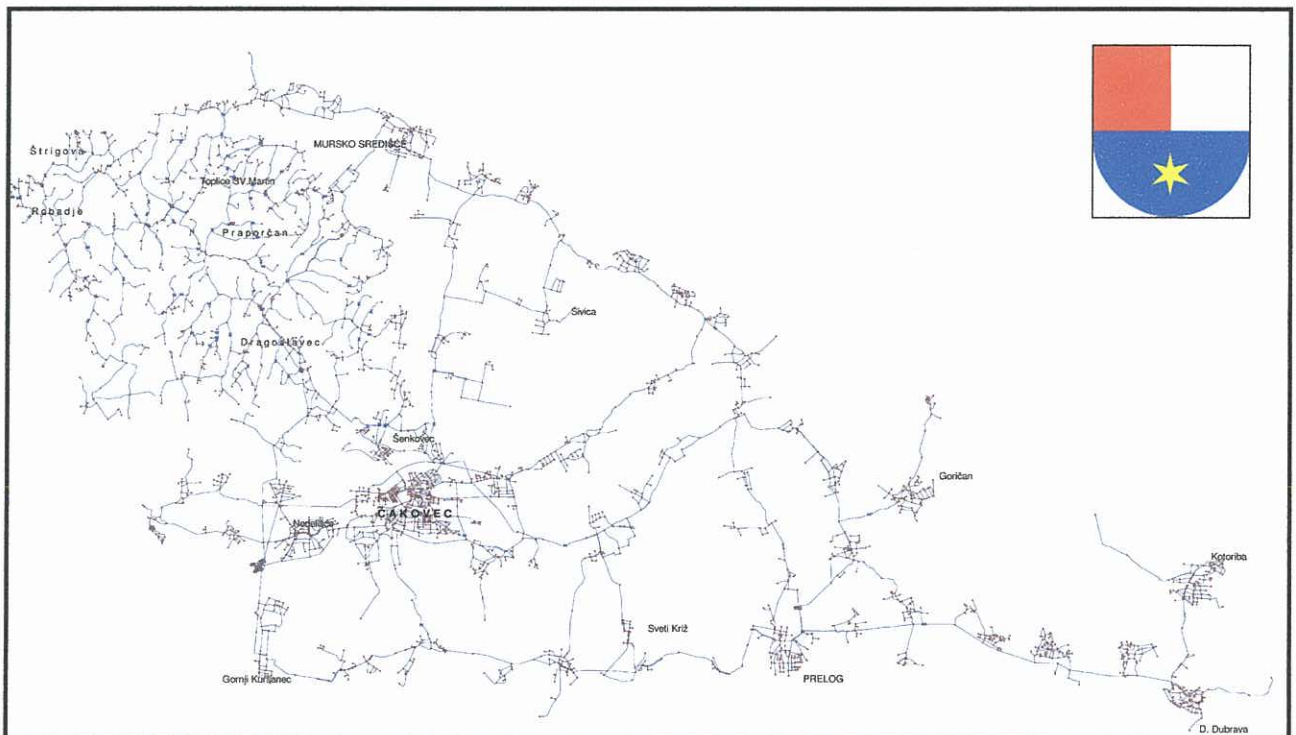


**Naručitelj:**  
Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

**Elaborat:**  
STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:  
**1/512**  
Nadnevak:  
**17.11.2009.**

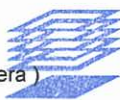
## STUDIJA RAZVITKA VODOOPSKRBNOG SUSTAVA MEĐIMURSKE ŽUPANIJE



Krunoslav Čingel  
dipl. ing. građ.

(M.P. Ovlaštenog inženjera)

VODOPROJEKT d.o.o.  
Sisak



G 758



Direktor:

Krunoslav Čingel, dipl.ing.građ.

|   |                   |         |   |   |   |   |   |
|---|-------------------|---------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>2/512        |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   | Nadnevak:<br>17.11. 2009. |

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|---|------------------|------------------|
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| ○ Sadržaj   | 1                | 2                |
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| Popis sudionika u izradi Elaborata  | 1                | 4                |
| Registracija tvrtke   | 2                | 5                |
| Rješenje o imenovanju projektanta   | 1                | 7                |
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|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>3/512        |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

**NARUČITELJ:** Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Redni broj:

**1.**

## **OPĆI DIJELOVI**

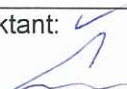
Popis sudionika u izradi Elaborata  
Registracija tvrtke  
Rješenje o imenovanju projektanta  
Rješenje HKAIG

Krunoslav Čingel  
dipl. ing. građ.

Ovlašteni inženjer građevinarstva  
( M.P. Ovlaštenog inženjera )  
VODOPROJEKT d.o.o.  
Sisak



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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>4/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

## Popis sudionika u izradi Elaborata

U izradi Elaborata

«STUDIJA RAZVITKA VODOOPSKRBNOG SUSTAVA MEĐIMURSKE ŽUPANIJE»

sudjelovali su:

Krunoslav Čingel, dipl.ing.građ., projektant

Damir Jurić, dipl.ing.građ., projektant suradnik

Marin Mijalić, dipl.ing.građ., suradnik


Alen Šajnić, absolvent.građ.fak., suradnik

Matija Piškur, građ.tehn., suradnik

Dario Čingel, stroj.tehn., suradnik

Direktor:




**VODOPROJEKT d.o.o.**  
 za projektiranje i inženjering  
 Sisak, S. i A. Radića 6/5  
 tel. fax. (05 353) (05 44 324 335)  
 fax. tel. (052 524 516) (05 3566119)

Krunoslav Čingel, dipl.ing.građ.

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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SUBJEKT UPISA

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MBS:

080195407

OIB:

66919989509

TVRTKA/NAZIV:

- 1 VODOPROJEKT društvo s ograničenom odgovornošću za projektiranje i inženjering

SKRAĆENA TVRTKA/NAZIV:

- 1 VODOPROJEKT d.o.o.

SJEDIŠTE:

- 3 Sisak, Stjepana i Antuna Radića 6/5

PREDMET POSLOVANJA - DJELATNOSTI:

- 1 \* - građenje, projektiranje i nadzor
- 1 \* - posredovanje u ugovaranju osiguranja
- 1 \* - zastupanje u osiguranju
- 1 \* - zastupanje stranih tvrtki
- 1 \* - usluge procjene vrijednosti nekretnina
- 1 51 - Trgovina na veliko i posredovanje u trgovini, osim trgovine motornim vozilima i motociklima
- 2 70 - POSLOVANJE NEKRETNINAMA
- 2 \* - Računovodstveni i knjigovodstveni poslovi
- 2 \* - Pružanje usluga u nautičkom, seljačkom, zdravstvenom, kongresnom, sportskom, lovnom i drugim oblicima turizam
- 2 \* - Pružanje ostalih turističkih usluga

ČLANOVI UPRAVE / LIKVIDATORI:

- 1 Vesna Čingel, rođen/a 25.08.1961  
Sisak, Stjepana i Antuna Radića 12
- 1 - direktor
- 1 - zastupa društvo pojedinačno i samostalno
  
- 3 KRUNOSLAV (ČINGEL) ČINGEL, rođen/a 28.07.1954, osobna iskaznica: 103033760, PU Sisačko-moslavačka, Hrvatska  
Sisak, Stjepana i Antuna Radića 12
- 3 - direktor
- 3 - zastupa Društvo pojedinačno i samostalno

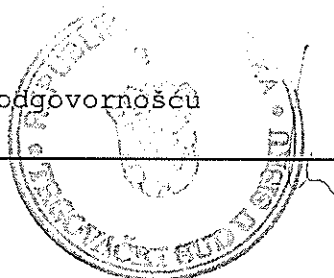
TEMELJNI KAPITAL:

- 3 20,000.00 kuna

PRAVNI ODNOSI:

Pravni oblik:

- 1 društvo s ograničenom odgovornošću



IZVADAK IZ SUDSKOG REGISTRA

SUBJEKT UPISA

PRAVNI ODNOSI:

Temeljni akt:

- 3 Odlukom članova Društva od 25. ožujka 2009. godine, zamijenjena je u cijelosti Izjava o usklađenju društva novim Društvenim ugovorom od 25. ožujka 2009. godine.

Promjene temeljnog kapitala:

- 3 Odlukom članova Društva od 25. ožujka 2009. godine, povećan je temeljni kapital uplatom u novcu, sa svote od 18.600,00 kn, za svotu od 1.400,00 kn, na svotu od 20.000,00 kn.

OSTALI PODACI:

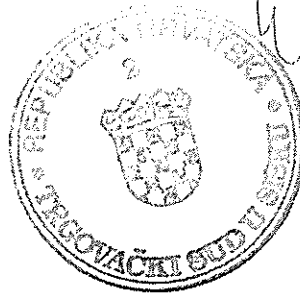
- 1 Subjekt je bio upisan kod Trgovačkog suda u Zagrebu na reg.ul.br. 1-66881

Upise u glavnu knjigu proveli su:

| RBU Tt             | Datum      | Naziv suda              |
|--------------------|------------|-------------------------|
| 0001 Tt-95/40328-2 | 22.01.1998 | Trgovački sud u Zagrebu |
| 0002 Tt-01/2869-5  | 20.12.2001 | Trgovački sud u Zagrebu |
| 0003 Tt-09/199-3   | 27.03.2009 | Trgovački sud u Sisku   |

U Sisku, 14. svibnja 2009.

Ovlaštena osoba:



Temeljem članka 179 Zakona o prostornom uređenju i gradnji, "Narodne novine" RH broj 76/07, te Zakona o Hrvatskoj komori arhitekata i inženjera u graditeljstvu, "Narodne novine" RH broj 40/99, izdajem:

## RJEŠENJE

broj: 166-Rj-15/09

kojim se imenuje **Krunoslav Čingel, dipl.ing.građ.**

za projektanta: Elaborat : "STUDIJA RAZVITKA VODOOPSKRIBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE "

Broj projekta: TD 02/09

Naručitelj: Hrvatske vode, Zagreb,  
Ulica grada Vukovara 220,  
10000 Zagreb

Ovo rješenje vrijedi do svršetka projektiranja ili do opoziva.

Sisak, 17.11.2009. godine.

Direktor:

  
Krunoslav Čingel, dipl.ing.građ.



## REPUBLIKA HRVATSKA

HRVATSKA KOMORA ARHITEKATA  
I INŽENJERA U GRADITELJSTVU

Klasa: UP/II-360-01/99-01/758  
Urbr.: 314-01-99-1  
Zagreb, 21. srpnja 1999.

Na temelju članaka 24. i 50. Zakona o Hrvatskoj komori arhitekata i inženjera u graditeljstvu ("Narodne novine", br. 47/98), Odbor za upise razreda inženjera građevinarstva, rješavajući po zahtjevu Krunoslava Čingel, dipl.ing.građ. iz Siska, S. i A. Radića 12, za upis u Imenik ovlaštenih inženjera građevinarstva, donio je sljedeće

### RJEŠENJE

1. U **Imenik ovlaštenih inženjera građevinarstva** upisuje se **Krunoslav Čingel**, (JMBG 2807954370036), dipl.ing.građ. iz Siska, pod rednim brojem **758** s danom upisa **21. srpnja 1999. godine**.
2. Upisom u **Imenik ovlaštenih inženjera građevinarstva**, Krunoslav Čingel, dipl.ing.građ. iz Siska, stječe pravo na uporabu strukovnog naziva "**ovlašteni inženjer građevinarstva**" i pravo na obavljanje poslova temeljem članka 25. Zakona o Hrvatskoj komori arhitekata i inženjera u graditeljstvu, a u svezi s člankom 4. stavkom 1. Statuta Hrvatske komore arhitekata i inženjera u graditeljstvu, te ostala prava i dužnosti sukladno posebnim propisima.
3. Ovlaštenom inženjeru izdaje se "**inženjerska iskaznica**" i stječe pravo na uporabu "**pečata**".

### O b r a z l o ž e n j e

Krunoslav Čingel, dipl.ing.građ. iz Siska, podnio je Zahtjev za upis u Imenik ovlaštenih inženjera građevinarstva.



Odbor za upise razreda inženjera građevinarstva proveo je postupak u povodu dostavljenog Zahtjeva, te je temeljem članka 24. stavka 2. Zakona o Hrvatskoj komori arhitekata i inženjera u graditeljstvu ("Narodne novine", br. 40/99), a u svezi s člankom 5. stavkom 4. i člankom 20. Statuta Hrvatske komore arhitekata i inženjera u graditeljstvu ("Narodne novine", br. 40/99), riješeno kao u izreci.

Upisom u Imenik ovlaštenih inženjera građevinarstva imenovani stječe pravo na izradu i uporabu pečata, sukladno članku 35. Statuta Hrvatske komore arhitekata i inženjera u graditeljstvu i na izdavanje "inženjerske iskaznice".

Na temelju članka 141. stavka 1. točke 1. Zakona o općem upravnom postupku ("Narodne novine", br. 53/91), predmet je riješen po skraćenom postupku.

Pouka o pravnom lijeku:

Protiv ovog Rješenja žalba nije dopuštena, ali se može pokrenuti upravni spor podnošenjem tužbe Upravnom sudu Republike Hrvatske, u roku 30 dana od primitka ovog Rješenja.



DOSTAVITI:

1. Krunoslav Čingel, Sisak, S. i A. Radića 12,  
uz povrat potvrde o izvršenoj dostavi
2. U zbirku isprava Komore
3. Pismohrana Komore

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>10/512       |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

**NARUČITELJ:** Hrvatske vode, Zagreb  
 Ulica grada Vukovara 220  
 10000 Z a g r e b

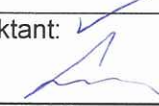
Redni broj:

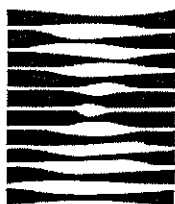
## 2. PROJEKTNI ZADATAK

( M.P. Ovlaštenog inženjera )  
 dipl. ing. građ.  
 Ovlašteni inženjer građevinarstva  
 VODOPROJEKT d.o.o.  
 Sisak



G 758

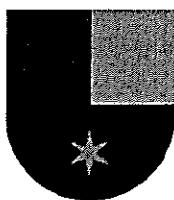
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|---|-------------------|----------|---|---|---|---|---|
| Projektant: <br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



## HRVATSKE VODE

pravna osoba za upravljanje vodama  
ZAGREB, Ulica grada Vukovara 220

## **PROJEKTNI ZADATAK**



## **STUDIJA RAZVITKA VODOOPSKRBNOG SUSTAVA MEĐIMURSKE ŽUPANIJE**

Klasa: 325-03/08-06/471  
Urbroj: 374-1-1-08-1  
Zagreb, 09-09-2008

*U Zagrebu, srpanj 2008. godine*

## OPĆI PODACI O ELABORATU

- 1.1. NARUČITELJ I INVESTITOR: Hrvatske vode, Zagreb
- 1.2. NASLOV ZADATKA: Studija razvitka vodoopskrbnog sustava  
Međimurske županije,
- 1.3. RAZINA OBRADE: Elaborat



## 1. UVOD

Praćenje pogona u vodoopskrbnom sustavu i njegova optimalizacija, može se učinkovito provoditi samo uz izrađen hidraulički matematički model. Provedbom simulacija pogona u sadašnjem i budućem stanju izgradnje mogu se primijetiti sva odstupanja od normalnog režima rada koja upućuju na pojavu prekomjernih gubitaka vode, povećanja tlakova, neracionalnih objekata i sl., te je pravovremeno i na optimalan način moguće usmjeriti razvoj vodoopskrbnog sustava.

Tehničkom i drugom dokumentacijom, u okviru koje se razmatra vodoopskrbna problematika šireg područja, analizira se cjeloviti vodoopskrbni sustav, odnosno, formira hidraulički matematički model, a na temelju provedenih simulacija se donose zaključci vezani za upravljanje, održavanje i daljnji razvoj. Hidraulički matematički model se nakon implementacije stavlja u svakodnevnu uporabu kao operativni program pomoću kojega se rukovodi eksploatacijom vodoopskrbnog sustava, pri čemu se kontinuirano vrši njegova vrši kalibracija. Po stavljanju u funkciju, a nakon izgradnje nadzorno-upravljačkog sustava, sa istim se objedinjava u jedinstvenu tehnološku cjelinu, te se na taj način stvaraju uvjeti kvalitetnog i tehničko-tehnološki svrsishodnog gospodarenja vodoopskrbnim sustavom, kako u pogledu eksploatacije, tako i u pogledu razvoja.

Iz tih razloga je, a u svrhu stvaranja uvjeta kvalitetnog praćenja i gospodarenja, te racionalnog i tehnički korektnog razvoja vodoopskrbe na području regionalnog vodoopskrbnog sustava Međimurske županije, izrađen i ovaj projektni zadatak.

### **Opis koncepcije vodoopskrbe Regionalnog vodoopskrbnog sustava Međimurske županije**

Dosadašnje rješavanje vodoopskrbne problematike na području Međimurske županije temeljeno je na nizu idejnih rješenja i projekata, hidrauličkih analiza, te glavnih i izvedbenih projekata, a prema kojima je vršena izgradnja postojećih vodoopskrbnih građevina. Ovi elaborati su se izrađivali u relativno duljem vremenskom periodu, a na bazi podloga i podataka i prostorno planske dokumentacije koja je u trenutku izrade bila dostupna. To je rezultiralo više-manje zasebnim rješavanjem pojedinih problema vodoopskrbe predmetnog prostora, bez cjelovitog sagledavanja problematike šireg područja

### **Stanje izgrađenosti sustava**

#### **Općenito**

Međimurska županija zauzima ukupnu površinu od 730 km<sup>2</sup>. Prema popisu iz 2001. godine broji oko 118.400 stanovnika. Na području županije nalaze se 3 grada i 22 općine. Javna vodoopskrba na cijelom području županije u nadležnosti je komunalnog društva Međimurske vode d.o.o. sa sjedištem u Čakovcu.

U sustavu opskrbe pitkom vodom javnim vodoopskrbnim sustavom obuhvaćena su sva naselja Međimurske županije osim naselja Hlapićina (127 naselja od ukupno 128) koje za sada ima riješenu vodoopskrbu iz vlastitog lokalnog vodovoda. Ukupno je na vodoopskrbni sustav priključeno 81 % domaćinstava, dok ukupna mogućnost priključenja iznosi 98,5 %. U vodoopskrbni sustav uključena su 3 vodozahvata (2 stalno i 1 povremeno), a ukupna mogućnost zahvaćanja jest oko 700 l/s vode. Prema podacima za 2007. god. godišnje se na izvorištima zahvaća oko 5,5 mil. m<sup>3</sup> vode. Potrošačima se isporuči oko 4,9 mil. m<sup>3</sup>, od čega oko 3,9 mil. m<sup>3</sup> vode domaćinstvima.

Cjelokupna vodoopskrba je bazirana na korištenju podzemnih voda dravskog aluvija putem vodocrpilišta „Nedelišće“ i vodocrpilišta „Prelog“ te vodocrpilišta „Sveta Marija“ koje je pričuvnog karaktera i koristi se samo u izvanrednim situacijama. Vodocrpilište „Nedelišće“ opskrbljuje veći dio Međimurja (cca. 80% potrošača) i kapaciteta je 600 l/s, dok se preostali



dio opskrbljuje iz vodocrpilišta „Prelog“ (cca. 20% potrošača - donji dio Međimurja) koje je kapaciteta 100 l/s. Vodocrpilište „Sveta Marija“ je kapaciteta 22 l/s. Vodoopskrbni sustav se sastoji od cca. 1.022 kilometara magistralnih cjevovoda, te primarne i sekundarne vodovodne mreže (magistralni cjevovodi cca. 232 kilometra, primarna i sekundarna mreža cca. 790 kilometara), 4 vodospremnika (ukupnog kapaciteta 2400 m<sup>3</sup>) – Čakovec, Lopatinec, Mohokos i Zebanec, vodotornja Prelog (kapaciteta 350 m<sup>3</sup>), te 4 hidrostanice za povišenje pogonskog pritiska u gornjem dijelu Međimurja – Mohokos, Banfi, Selnica i Robadje.

Za cjelokupno područje utjecaja na vodocrpilišta izrađena je nova dokumentacija za zaštitne zone vodocrpilišta kojom su zaštitne zone redefinirane u odnosu na dosadašnje, a ujedno su u potpunosti usklađene s danas važećom zakonskom regulativom. U vezi s navedenim postoje potencijalne mogućnosti i osnovni preduvjeti za daljnji razvoj sustava i formiranje (po potrebi) drugačijih distribucijskih odnosa od onih zacrtanih postojećom dokumentacijom. Sukladno navedenim (današnjim) kapacitetima vodocrpilišta i već danas prisutnim odgovarajućim „preklapanjem“ distribucijskih područja pojedinih vodocrpilišta, realna je potreba za detaljnijom analizom područja obuhvata pojedinih podsustava temeljenih na zasebnim vodocrpilištima, s utvrđivanjem granica kojima se razdvajaju ovi podsustavi te je potrebno što detaljnije i kompletnije sagledati cjelokupno izgrađeno stanje s utvrđivanjem potrebnih dopuna i/ili izmjena na samom sustavu.

## **2. PREDMET PROJEKTOG ZADATKA**

Prema postojećem stanju i razvojnoj dokumentaciji potrebno je formirati hidraulički matematički model regionalnog vodoopskrbnog sustava Međimurske županije u dvije faze, sa područjem obuhvata distributivnog područja, i to:

- postojeće stanje izgrađenosti do 2008 godine (faza I)
- i buduće stanje izgrađenosti sustava od 2008 – 2030 (faza II)

Simulacijom različitih pogonskih stanja na predmetnom matematičkom modelu potrebno je dimenzionirati neizgrađene objekte i predložiti eventualne rekonstrukcije već izgrađenih objekata, a sve u funkciji ostvarenja optimalnih pogonskih uvjeta funkcioniranja i razvoja predmetnog vodoopskrbnog sustava. Sve navedeno, potrebno je ostvariti uvažavajući smjernice navedene u ovom projektnom zadatku iz poglavlja 4.

## **3. PODACI I PODLOGE ZA IZRADU ELABORATA**

Izrađivač Elaborata se tijekom izrade istog prema ovom projektnom zadatku treba služiti slijedećom dokumentacijom:

- Važeći prostorni plan Međimurske županije;
- Elaborati vodoistražnih radova na distributivnom području;
- Od strane Upravnog vijeća Hrvatskih voda usvojeni plan razvoja vodoopskrbe Međimurske županije
- Idejni projekti vodoopskrbe Međimurske županije:
  - o Vodoopskrbni sustav Međimurja, zone I i IV – Idejno rješenje (PRINCON, Čakovec 12/94, broj evid. 100-30/94)
  - o Vodoopskrbni sustav Međimurja, zona IV – Idejno rješenje (PRINCON, Čakovec 03/98, broj evid. 215-08/98)
  - o Vodoopskrbni sustav Međimurja, zona III – Idejno rješenje (MEĐIMURJE INŽENJERING, Čakovec 11/91, broj evid. 205/91)
  - o Vodoopskrbni sustav Međimurja, zona II u vezi s zonama I, III i IV – Idejno rješenje (MEĐIMURJE INŽENJERING, Čakovec 05/91, broj evid. 67/91)



- Hidraulička analiza vodovoda Plešivica-G. Zebanec-Selnica-Zavešćak – Idejno rješenje (PRINCON, Čakovec 03/00, broj evid. 305-10/00)
- Hidraulička analiza C.S. NEDELIŠĆE i prijedlog rješenja spojnih cjevovoda – Idejno rješenje (PRINCON, Čakovec 03/06, broj evid. 701-4/06)
- Hidraulička studija vodovodne mreže Sveti Martin na Muri (PRINCON, Čakovec 04/94, broj evid. 80-10/94)
- Hidraulička studija vodovodne mreže Sveti Martin na Muri - dopuna (PRINCON, Čakovec 02/96, broj evid. 138-4/96)
- Hidraulička analiza – vodovod Žiškovec - Slemenice (PRINCON, Čakovec 07/94, broj evid. 88-18/94)
- Izvještaj – Analiza gubitaka vode i program aktivne kontrole gubitaka vode (IMGD d.o.o., Zagreb 02/06, broj 01/06)
- Elaborat – proširenje i modernizacija nadzorno upravljačkog sustava (Telecontrol d.o.o., Rijeka 06/04, broj 17103)

- Vodnogospodarski plan Hrvatskih voda za slivno područje

Sve ostale projekte i slične elaborate koji su u izradi ili su dovršeni, ili su u postupku ishoda građevinske dozvole potrebno je respektirati prilikom izrade Elaborata kako bi se uskladili svi podaci u mjestima spojeva već projektiranih cjevovoda i budućih objekata.

Projektant pri izradi Elaborata mora koristiti i slijedeće podloge i ulazne podatke:

- Topografske karte mjerila 1 : 25 000,
- ODK mjerila 1 : 5 000,
- Geodetske podatke i podloge (po potrebi osiguravaju Međimurske vode d.o.o.),
- Podatke o postojećim, odnosno projektiranim cjevovodima i objektima,
- Popis svih potrošača uključujući i posebne potrošače
- Podatke o potrošnji,
- Popis stanovništva iz 2001. godine,
- Podaci prikupljeni od investitora i na terenu,
- Ovaj projektni zadatak;
- Podaci o proizvodnji vode, prodanoj i neprodanoj vodi, promjeri cjevovoda, vrsta, starost i dispozicija vodoopskrbnih cijevi, tehničke karakteristike objekata, Q-H karakteristike pumpi, podaci sa mjernih uređaja i slično

Navedene podloge i ulazne podatke osiguravaju Međimurske vode d.o.o.

#### **4. SMJERNICE ZA IZRADU ELABORATA**

Izrada hidrauličkog matematičkog modela i prijedlog provedbe optimalizacije vodoopskrbnog sustava provest će se u tri (3) faze:

##### **I FAZA – detaljna razina izrade modela (postojeće stanje)**

1. Detektirati postojeće stanje izgrađenosti vodoopskrbnog sustava
2. Definirati visinski položaj čvornih točaka i objekata vodoopskrbnog sustava, na temelju postojećih podataka;
3. Definirati i prilagoditi bazu podataka o stvarnoj potrošnji vode (utvrditi prostorni razmještaj potrošnje i količine vode, utvrditi postojanje velikih i posebnih potrošača i druge aproksimacijske pretpostavke raspodjele potrošnje po



- prostoru), utvrditi bilancu vode po pojedinim zonama vodoopskrbnog sustava, procijeniti gubitke, te unijeti podatke u programski paket za hidraulički proračun
4. Formirati hidraulički model postojećeg stanja vodoopskrbnog sustava
  5. Kalibriranje matematičkog hidrauličkog modela - usporedba rezultata modela sa stvarnim stanjem tlakova i protoka u mreži
  6. Izvršiti analizu rezultata simulacija postojećeg stanja
  7. Izvršiti obuku stručnog osoblja Investitora u trajanju od 2 (dva) radna dana, a sa ciljem stavljanja modela postojećeg stanja u svakodnevnu uporabu

## II FAZA – detaljna razina izrade modela (buduće stanje)

1. Definirati visinski položaj čvornih točaka modela planiranih objekata vodoopskrbnog sustava
2. Modelirati planirane vodoopskrbne objekte (vodozahvatni objekti, precrpne stanice i vodospremnici, vodoopskrbni cjevovodi) i provesti potreban broj preliminarnih simulacija i korekcija planiranih ulaznih podataka
3. Provesti simulacije karakterističnih pogonskih stanja, sve uz razmatranje različitih konfiguracija vodoopskrbnog sustava i predvidivih pogonskih solucija
4. Analizirati rezultate provedenih simulacija i na temelju istih potvrditi ili predložiti eventualne korekcije aktualnih postavki koncepcije razvitka, te dimenzionirati ili po potrebi korigirati već definirane (projektirane i izvedene) dimenzije i položaje cjevovoda i pripadnih vodovodnih građevina u modelu
5. Prijedlog koncepcijskog rješenja vodoopskrbe naselja Hlapčina

Kod izrade hidrauličkog proračuna potrebno je priložiti (u prilogu Elaborata): hidrauličku shemu vodoopskrbnog sustava s označenim čvorovima i dionicama, ulaznu listu podataka po čvorovima i dionicama, izlaznu listu podataka po čvorovima i dionicama i interpretaciju svih rezultata hidrauličkog proračuna

## III FAZA – prijedlog sanacije i optimalizacije sadašnjeg i budućeg stanja vodoopskrbnog sustava

1. U ovoj fazi izrađivač elaborata treba dati preporuke i komentare nakon analize rezultata iz I i II faze, odnosno interpretirati rezultate hidrauličkog proračuna na kraju planskog razdoblja
2. Prikazati redefinirane karakteristike postojećih i/ili planiranih objekata (tabelarno) nakon interpretacije rezultata hidrauličkog proračuna
3. Definirati potrebne zahvate u sustavu prema prioritetima sanacije, izgradnje odnosno rekonstrukcije (tabelarni prikaz po objektima sustava sa osnovnim tehničkim podacima i oznakom prioriteta i faze – sadašnje stanje – buduće stanje)
4. Prijedlog koncepcije i ugradnje elemenata nadzorno-upravljačkog sustava
5. Obuka zaposlenika Investitora odnosno komunalnog operatera (predvidivo trajanje 3 radna dana)

## SADRŽAJ ELABORATA

1. REGISTRACIJA TVRTKE
2. IMENOVANJE PROJEKTANTA





3. PROJEKTNI ZADATAK (preslika sa vidljivom ovjerom svih strana)
4. POPIS PODLOGA, DOKUMENTACIJE I IZVORA PODATAKA KORIŠTENIH ZA IZRADU ELABORATA
5. TEHNIČKI OPIS POSTOJEĆEG STANJA I IZGRAĐENOSTI VODOOPSKRBNOG SUSTAVA
6. HIDRAULIČKI MATEMATIČKI MODEL POSTOJEĆEG STANJA
7. HIDRAULIČKI MATEMATIČKI MODEL BUDUĆEG STANJA NA KRAJU PLANSKOG RAZDOBLJA
5. SMJERNICE DALJNJEG RAZVOJA I PRIMJENE HIDRAULIČKOG MATEMATIČKOG MODELA – TEHNIČKI PRIJELDOG SANACIJE I OPTIMALIZACIJE SUSTAVA
8. SMJERNICE ZA USPOSTAVU SUSTAVA DALJINSKOG NADZORA I UPRAVLJANJA
9. SMJERNICE ZA UGRADNJU MJERNO-REGULACIONE OPREME I ODGOVARAJUĆEG SOFTVERA.
10. ZAKLJUČCI
11. PRILOZI:
  - a. HIDRAULIČKI MODEL I I II FAZE SA PODACIMA (sheme, ulazne liste, izlazne liste)
  - b. SITUACIJSKI PRIKAZ VODOOPSKRBNOG SUSTAVA PO FAZAMA (M 1:25.000)

## 6. POSEBNE NAPOMENE I ODREDBE

Predmetni Elaborat koji ima biti izrađen temeljem ovog Projektnog zadatka treba predstavljati kvalitetnu osnovu za optimalizaciju tehničkih karakteristika sustava definiranih postojećom dokumentacijom, te za buduću kontinuiranu primjenu, doradu i razvoj hidrauličkog matematičkog modela ovog vodoopskrbnog sustava, te uspostavu nadzorno upravljačkog sustava. Sukladno opsegu posla i veličini sustava koji se analizira, rok izrade Elaborata je 9 (devet) mjeseci. Smjernice daljnjeg razvoja i primjene hidrauličkog matematičkog modela, uključivo sustav mjerno-regulacijske opreme i daljinskog nadzora i upravljanja, definirat će izrađivač Elaborata u svemu prema ovom projektnom zadatku i u suradnji sa Međimurskim vodama d.o.o. i Hrvatskim vodama (Sektor razvitka i Vodnogospodarski odsjek Varaždin, pododsjek tehničkih i potpornih službi).

Svi eventualni daljnji dogovori Projektanta i Hrvatskih voda evidentirati će se putem zapisnika koji će biti sastavni dio ovog Projektnog zadatka. Temeljem potpisanog zapisnika, moguće su promjene u odnosu na ovaj Projektni zadatak. **Projektant je dužan jednom mjesečno podnijeti izvještaj voditelju Sektora razvitka te voditelju Podosjeka tehničkih i potpornih službi vodnogospodarskog odsjeka Varaždin o stupnju izrađenosti dokumentacije sa mogućnošću uvida u dokumentaciju u svrhu recenzije izrađenog dijela dokumentacije.**

Konačno definiran, hidraulički model treba biti izrađen u nekoj od opće priznatih i prihvaćenih komercijalnih ili besplatnih programskih paketa te eksportiran, konvertiran i priložen na CD-u (DVD-u) kao sastavni dio Elaborata, na način da bude moguće njegovo daljnje korištenje sa svim podacima i u aplikaciji EPANET. Vidi

<http://www.epa.gov/ORD/NRMRL/wswrd/epanet.html>



**Raspodjela primjeraka Elaborata utvrđuje se kako slijedi:**

- 3 (tri) uvezana primjerka Međimurskim vodama Čakovec, te 3 (tri) primjerka Međimurskim vodama Čakovec u potpunosti u digitalnom obliku na CD-u/DVD-U i sa matematičkim modelom
- 2 (dva) primjerka Hrvatskim vodama, Vodnogospodarskom odsjeku Varaždin, pododsjek tehničkih i potpornih službi – 1 (jedan) uvezani i 1 (jedan) u potpunosti u digitalnom obliku na CD-u/DVD-U i sa matematičkim modelom
- 2 (dva) primjerka Hrvatskim vodama, Sektor razvitka – jedan uvezani i jedan u potpunosti u digitalnom obliku na CD-u/DVD-U i sa matematičkim modelom

Mario Obrđali, dipl. ing. građ.

Leonard Sekovarić, dipl. ing. građ.

Suglasni:

Hrvatske vode, Sektor korištenja voda  
Voditelj Sektora

  
Ivan Kolovrat, dipl. ing. građ.

Hrvatske vode, Sektor razvitka  
Voditelj Sektora

  
mr. sc. Miroslav Steinbauer, dipl. ing. građ.

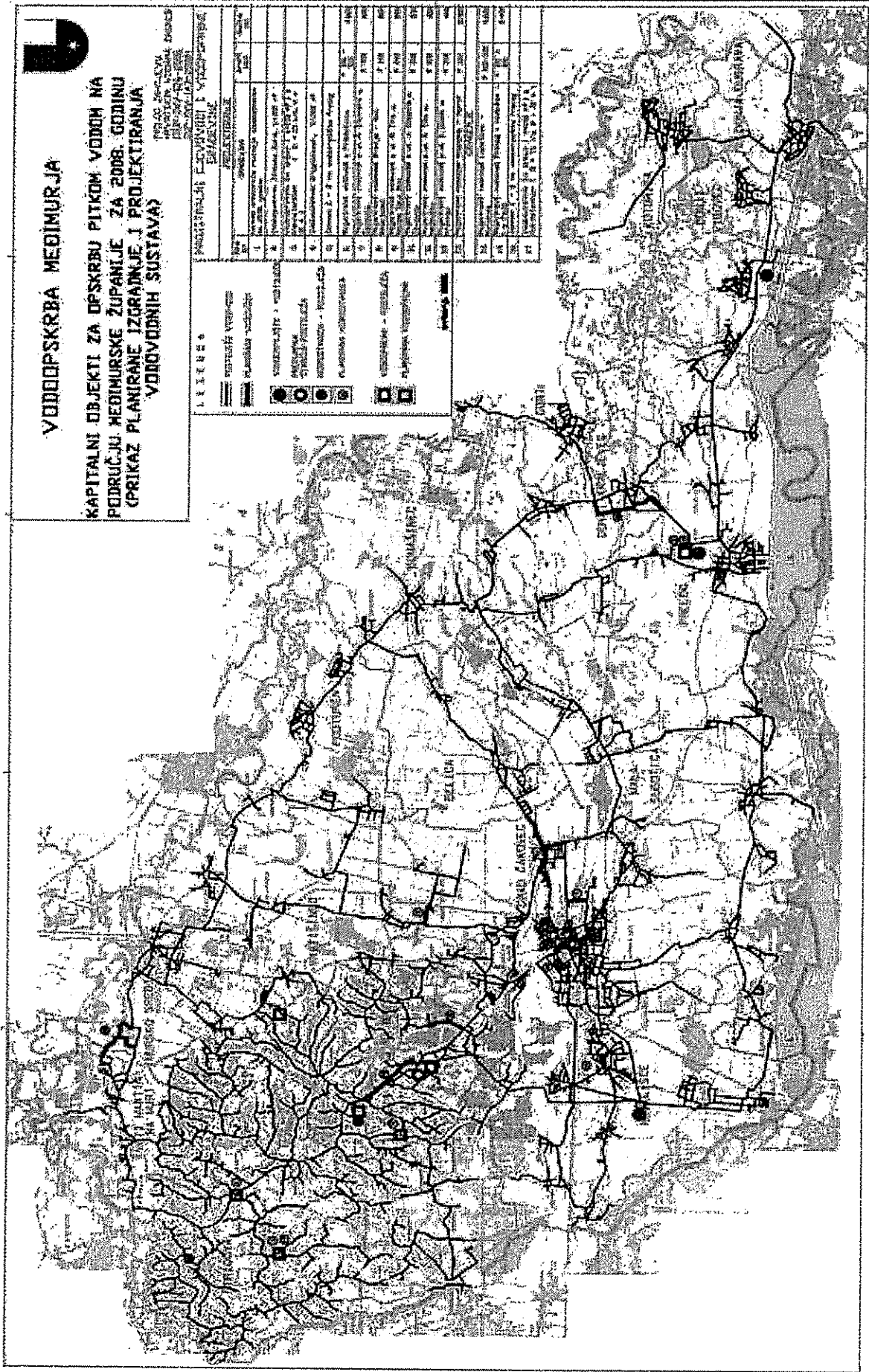
Ovjerava:

Hrvatske vode, VG odsjek Varaždin  
Voditelj odsjeka

  
Ivan Cerovec, dipl. ing. geot.



### HEMA REGIONALNOG VODOOPSKRBNOG SUSTAVA MEDIMURSKOG SUSTAVA MEDIMURSKE ŽUPANIJE



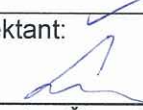
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>20/512       |
|  |   | Nadnevak:<br>17.11. 2009. |

**NARUČITELJ:** Hrvatske vode, Zagreb  
 Ulica grada Vukovara 220  
 10000 Z a g r e b

Redni broj:

### 3. POPIS PODLOGA, DOKUMENTACIJE I IZVORA PODATAKA KORIŠTENIH ZA IZRADU ELABORATA

(M.P. Ovlaštenog inženjera)  
 dipl. ing. građ.  
 Ovlašteni inženjer građevinarstva  
 VODOPROJEKT d.o.o.  
 Sisak  
  
 G 758

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>21/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

Za izradu ovog Elaborata korištene su slijedeće podloge, dokumentacija i izvori podataka:

1. Podloge 1:25000, 1:5000 (katastar- rast. +vekt.), Prostorni planovi Međimurske županije – 1 dio, vodovod Međimurja,
2. Prostorni planovi Međimurske županije – 2 dio,
3. Vodoopskrbni sustav Međimurja, zone I i IV – Idejno rješenje (Princon, Čakovec 12/94, broj evid. 100-30/94),
4. Vodoopskrbni sustav Međimurja, zona IV – Idejno rješenje (Princon, Čakovec 03/98, broj evid. 215-08/98),
5. Vodoopskrbni sustav Međimurja, zona III – Idejno rješenje (Međimurje Inženjering, Čakovec 11/91, broj evid. 205/91),
6. Vodoopskrbni sustav Međimurja, zona II u vezi sa zonama I, III i IV – Idejno rješenje (Međimurje Inženjering, Čakovec 05/91, broj evid. 67/91, knjiga 1 i 2),
7. Hidrauličke analize vodovoda Plešivica – G.Zebanec – Selnica – Zavešćak – Idejno rješenje (Princon, Čakovec 03/00, broj evid. 305-10/00),
8. Hidraulička analiza C.S. Nedelišće i prijedlog rješenja spojnih cjevovoda – Idejno rješenje (Princon, Čakovec 03/06, br. evid. 701-4/06),
9. Hidraulička studija vodovodne mreže Sveti Martin na Muri – Idejno rješenje (Princon, Čakovec 04/94, br. evid. 80-10/94),
10. Hidraulička studija vodovodne mreže Sveti Martin na Muri – dopuna (Princon, Čakovec 02/96, br. evid. 138-4/96),
11. Hidraulička analiza vodovoda Žiškovec – Slemenice (Princon, Čakovec 07/94, br. evid. 88-18/94),
12. Izvještaj – Analiza gubitaka vode i program aktivne kontrole gubitaka vode (IMGD d.o.o., Zagreb 02/06, broj 01/06),
13. Elaborat – proširenje i modernizacija nadzorno upravljačkog sustava (Telecontrol d.o.o., Rijeka 06/04, broj 17103),
14. Analiza stanja izgrađenosti vodoopskrbnog sustava Međimurja i kanalizacijskog sustava grada Čakovca i prigradskih naselja s pregledom potrošnje vode za 2007. godinu,
15. Pregled potrošnje vode za poduzeća u 2008. godini,
16. Pregled potrošnje vode za domaćinstva u 2008. godini,
17. Popis stanovništva iz 2001. godine,
18. Stručni rad vodoopskrbe prošlosti, sadašnjosti i budućnosti Međimurja,
19. Podaci o opskrbi pitkom vodom i otpadnim vodama,
20. Vodoistražni radovi na crpilištu Prelog,

|                                    |                   |          |   |   |   |   |   |
|------------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                        | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl. ing. građ. |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>22/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

21. Izvještaj o izvedbi piezometara P-27 i zdenca Z-7 na crpilištu Nedelišće,
22. Elaborat o zaštitnim zonama izvorišta Nedelišće, Prelog i Sveta Marija (knjiga 1 od 2007. godine, RUDARSKO-GEOLOŠKO-NAFTNI FAKULTET ZAGREB),
23. Godišnji izvještaj crpljenih i fakturiranih količina vode (prema očitavanju), za razdoblje 01.10.2007. – 30.09.2008. godine, Međimurske vode d.o.o.,
24. Podaci o potrošnji vode na području Međimurske županije za 2006., 2007. i 2008. godinu, Međimurske vode d.o.o.,
25. Podaci o postojećem stanju izgrađenosti vodoopskrbnog sustava, te tehničkim karakteristikama objekata, proizvodnji, prodaji i mjerenjima, Međimurske vode d.o.o.

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>23/512       |
|  |   | Nadnevak:<br>17.11. 2009. |

**NARUČITELJ:** Hrvatske vode, Zagreb  
 Ulica grada Vukovara 220  
 10000 Z a g r e b

Redni broj:

## 4. POSTOJEĆE STANJE


- 4.1. Stanje izgrađenosti vodoopskrbnog sustava
- 4.2. Podaci o proizvodnji i potrošnji
- 4.3. Baza ulaznih podataka za hidraulički matematički model postojećeg stanja
- 4.4. Rezultati simulacija – listinzi
- 4.5. Analiza rezultata simulacija postojećeg stanja

Krunoslav Čingel  
 dipl. ing. građ.

( M.P. Ovlaštenog inženjera )

VODOPROJEKT d.o.o.  
 Sisak

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>24/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

## 4.1. Stanje izgrađenosti vodoopskrbnog sustava

### Općenito

Međimurska županija je najsjevernija hrvatska županija, a smještena je između rijeka Mure i Drave. Po površini (729,54 km<sup>2</sup>) je najmanja hrvatska županija.

Županiju sa sjevera, sjeveroistoka i juga omeđuju tokovi rijeka Mure i Drave, dok se na zapadu kopnena granica pruža od sjevera ka jugu pobrđem Gornjeg Međimurja. Na zapadu i sjeveru graniči sa Republikom Slovenijom, na sjeveroistoku s Republikom Mađarskom, a na jugu s Varaždinskom i Koprivničko – križevačkom županijom.

Ukupan broj stanovnika prema popisu iz 2001. godine bio je 113.857. Procjenjuje se da na području ove županije trenutačno živi oko 120.000 stanovnika.

Međimurska županija podijeljena je na 25 teritorijalnih jedinica: 3 grada i 22 općine.

Prostor Međimurja predstavlja značajan podzemni rezervoar pitke vode, koji nadilazi regionalne okvire. To je prostor aluvijalnih nanosa u međuriječju Drave i Mure koji seže od Varaždinskih gorica do prekomurskih prostora u Mađarskoj. Voda je visoke kvalitete i izdašnosti, te predstavlja jednu od najvećih prirodnih vrijednosti ovog kraja.

Izgradnja javnog vodoopskrbnog sustava započeta je 1960. godine kada je pušten u pogon vodovod užeg dijela grada Čakovca i najstarije crpilište u Međimurju – Savska Ves. Prema prvobitnoj koncepciji razvoja crpilište je trebalo služiti vodoopskrbi Čakovca i naselja u nizinskom dijelu. Za vodoopskrbu naselja u Gornjem Međimurju, puštanjem u eksploataciju prvog zdenca Z-1, 1977. godine otvoreno je crpilište "Nedelišće". Zbog intenzivne urbanizacije, te pogoršanja kvalitete podzemne vode, crpilište u Savskoj Vesi zatvoreno je 1988. godine, te je istovremeno intenzivirana eksploatacija vodocrpilišta "Nedelišće".

Vodoopskrba Međimurja prema usvojenoj koncepciji tehničkog rješenja podijeljena je na četiri vodoopskrbne zone, od kojih se tri opskrbljuju iz 6 zdenaca vodocrpilišta "Nedelišće" (zone I, II i III), a četvrta iz jednog zdenca crpilišta "Prelog" (zona IV). Zonu I opskrbljuju zdenci Z-3, Z-4, Z-5 i Z-7, a zone II i III zdenci Z-1 i Z-2. Vodocrpilište "Nedelišće" može služiti i za opskrbu zone IV.

U IV vodoopskrbnoj zoni nalazi se i pričuvno crpilište "Sv. Marija".

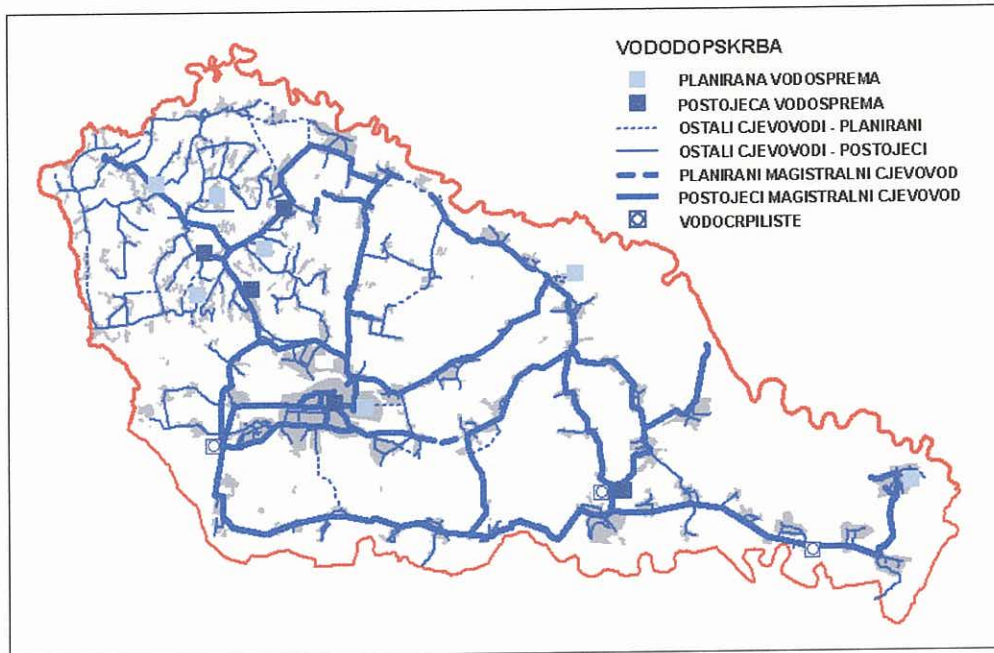
Vodoopskrbni sustav Međimurja potpuno ili djelomično opskrbljuje 127 od ukupno 128 naselja. Naselje Hlapičina ima svoju lokalnu vodovodnu mrežu.

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |



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|  |  | Nadnevak:<br>17.11. 2009. |

Shematski prikaz vodoopskrbnog sustava Međimurske županije:



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| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><b>STUDIJA RAZVITKA<br/>VODOOPSKRBNOG SUSTAVA<br/>MEĐIMURSKE ŽUPANIJE</b> | Stranica:<br>26/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

### Vodocrpilišta

Kako je to već naprijed navedeno, vodoopskrba Međimurske županije bazirana je na tri postojeća vodocrpilišta, ukupnog kapaciteta 722 l/s, i to kako slijedi:

- vodocrpilište "Nedelišće",
- vodocrpilište "Prelog",
- vodocrpilište "Sv. Marija".

Na vodocrpilištu "Nedelišće" je u funkciji šest zdenaca iz kojih je moguće crpiti 600 l/s vode.

Vodocrpilište "Prelog" stavljeno je u funkciju 1988. godine i ima mogućnost crpljenja 100 l/s vode putem jednog zdenca (prema informacijama dobivenim od Naručitelja ovaj zdenac bi mogao imati mogućnost crpljenja i do 130 l/s).

Vodocrpilište "Sv. Marija" je pričuvno vodocrpilište sa mogućnosti crpljenja 22 l/s.

Tehničke karakteristike vodocrpilišta su kako slijedi:

| <b>Vodocrpilište Nedelišće</b> |                  |        |         |       |
|--------------------------------|------------------|--------|---------|-------|
| Zdenac br.                     | Broj crpki (kom) | N (kW) | Q (l/s) | H (m) |
| 1                              | 2                | 2 x 75 | 2 x 70  | 90    |
| 2                              | 2                | 2 x 75 | 2 x 70  | 90    |
| 3                              | 2                | 2 x 60 | 2 x 60  | 60    |
| 4                              | 1                | 75     | 75      | 60    |
| 5                              | 2                | 2 x 60 | 2 x 60  | 60    |
| 7                              | 1                | 90     | 100     | 60    |

| <b>Vodocrpilište Prelog</b> |                  |             |             |       |
|-----------------------------|------------------|-------------|-------------|-------|
| Zdenac br.                  | Broj crpki (kom) | N (kW)      | Q (l/s)     | H (m) |
| 1                           | 2                | 1x60 + 1x90 | 1x60 + 1x90 | 60    |

| <b>Pričuvno vodocrpilište Sveta Marija</b> |                  |        |         |       |
|--|------------------|--------|---------|-------|
| Zdenac br.                                 | Broj crpki (kom) | N (kW) | Q (l/s) | H (m) |
| 1  | 2                | 2 x 15 | 2 x 15  | 50    |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>27/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   | Nadnevak:<br>17.11. 2009. |

### Vodospremnici

Ukupna zapremina vodospremnika u sklopu predmetnog vodoopskrbnog sustava je 2.750 m<sup>3</sup>, a ista je raspoređena na pet objekata prema tablici u nastavku:

| VODOSPREMNIK         | Zapremina (m <sup>3</sup> ) | Kota dna (m.n.m.) | Dubina (m) |
|----------------------|-----------------------------|-------------------|------------|
| Čakovec (vodotoranj) | 700                         | 210,00            | 4          |
| Lopatinec            | 750                         | 230,00            | 4          |
| Mohokos              | 750                         | 338,41            | 4          |
| Zebanec              | 200                         | 220,55            | 4          |
| Prelog (vodotoranj)  | 350                         | 188,70            | 4          |
| <b>UKUPNO:</b>       | <b>2.750</b>                |                   |            |

### Precrpnice i hidro stanice

U slijedećoj tablici su prezentirani popis i tehničke karakteristike precrpnica i hidro stanica:

| PRECRPNICA LOPATINEC    |         |       |        |               |
|-------------------------|---------|-------|--------|---------------|
| Crpke                   | Q (l/s) | H (m) | N (kW) | Kota (m.n.m.) |
| 1                       | 24      | 130   | 45     | 225,87        |
| 2                       | 24      | 130   | 45     |               |
| 3                       | 90      | 130   | 110    |               |
| HIDRO STANICA SELNIŠČAK |         |       |        |               |
| 1                       | 5       | 29    | 1,1    | 264,70        |
| 2                       | 5       | 29    | 1,1    |               |
| HIDRO STANICA BANFI     |         |       |        |               |
| 1                       | 6       | 70    | 1,7    | 232,68        |
| 2                       | 6       | 70    | 1,7    |               |
| 3                       | 6       | 70    | 1,7    |               |
| 4                       | 6       | 70    | 1,7    |               |
| HIDRO STANICA ROBADJE   |         |       |        |               |
| 1                       | 5       | 34,5  | 1,37   | 278,72        |
| 2                       | 5       | 43,5  | 1,37   |               |
| 3                       | 5       | 43,5  | 1,37   |               |
| HIDRO STANICA MOHOKOS   |         |       |        |               |
| 1                       | 6       | 70    | 1,7    | 331,60        |
| 2                       | 6       | 70    | 1,7    |               |
| 3                       | 6       | 70    | 1,7    |               |
| 4                       | 6       | 70    | 1,7    |               |
| 5                       | 6       | 70    | 1,7    |               |
| 6                       | 6       | 70    | 1,7    |               |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>28/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

### Vodoopskrbna mreža

Kako je to naprijed već navedeno, početkom organizirane vodoopskrbe u Međimurju može se smatrati 1961. godina, kada je osnovano poduzeće "Vodovod" za gradski vodovod i kanalizaciju Čakovca.

Pojačana investicijska aktivnost na širenju vodoopskrbnog sustava vrši se od 1991. godine, od kada se istovremeno sa širenjem vodoopskrbnog sustava intenzivno radi i na zamjeni dotrajalih vodovodnih cijevi, građenih prvenstveno od PVC cijevnih materijala, čime se povećava sigurnost i kvaliteta vodoopskrbe, te smanjuju gubici u sustavu.

Cijevni materijali koji se u posljednjih 10 godina koriste su polietilen (PEHD) za promjere do 200 mm, te nodularni lijev za promjere veće od 200 mm.

U slijedećim tablicama prezentirani su glavni objekti vodoopskrbne mreže:

| Cjevovodi         |                  |
|-------------------|------------------|
| Promjer cjevovoda | Sveukupna dužina |
| (mm)              | (m)              |
| do 80             | 102.792          |
| 100               | 511.313          |
| 125               | 6.158            |
| 150               | 172.185          |
| 200               | 113.611          |
| 250               | 52.164           |
| 300               | 33.029           |
| 350               | 1.094            |
| 400               | 32.383           |
| 500               | 4.208            |
| 600               | 1.761            |
| <b>Ukupno:</b>    | <b>1.030.698</b> |

| Zasunska okna | Hidranti | Reducir ventili | Glavni sekt. zas. |
|---------------|----------|-----------------|-------------------|
| (kom)         |          |                 |                   |
| 1.951         | 6.112    | 81              | 30                |

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|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>29/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

U pogledu priključenosti na vodoopskrbni sustav može se konstatirati da je ostvaren izuzetno visok postotak, obzirom na adekvatnu razvijenost sustava, te relativno visoku razinu organiziranosti javne vodoopskrbe. Podaci o priključenosti potrošača prezentirani su u donjoj tablici.

| <b>Priključenost na vodoopskrbnu mrežu</b>                      |        |       |
|---|--------|-------|
| <b>Domaćinstva</b>  |        |       |
| ukupan broj domaćinstava  | 39.650 |       |
| ukupno priključeno domaćinstava                                 | 32.993 | 83%   |
| ukupna mogućnost priključenja domaćinstava                      | 39.084 | 98%   |
| nemogućnost priključenja zbog neizgrađenosti vodoopskrbne mreže | 566    | 1,40% |
| ukupan broj priključaka   | 30.906 |       |
| <b>Industrija i ustanove</b>                                    |        |       |
| ukupan broj priključaka   | 1.759  |       |

### Kvaliteta vode

Voda iz vodocrpilišta vodoopskrbnog sustava Međimurske županije koja su trenutačno u eksploataciji je visoke kakvoće i distribuira se potrošačima bez posebne dorade. U skladu sa zakonskom regulativom voda se klorira u svrhu spriječavanja pojave naknadnog bakteriološkog zagađenja.

### Zone sanitarne zaštite

I na vodocrpilištu Nedelišće i na vodocrpilištu Prelog I. zone sanitarne zaštite su ograđene, a tvrtka Međimurske vode d.o.o. je vlasnik zemljišta.

U sklopu Odluke o zaštiti crpilišta definirana su uža vodozaštitna područja (II. zone sanitarne zaštite), te šira vodozaštitna područja (III. zone sanitarne zaštite).

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>30/512       |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

## 4.2. Podaci o proizvodnji i potrošnji

Podaci o proizvodnji i potrošnji dobiveni su od Naručitelja, a isti se odnose na 2006, 2007. i 2008. godinu.

Na početku analize ovih podataka definirani su slijedeći elementi vodne bilance:

ZAHVAĆENA VODA – količina koja je u promatranom vremenskom razdoblju zahvaćena na vodocrpilištima (često su u uporabi i termini "dignuta voda" ili "proizvodnja"),

FAKTURIRANA VODA – količina koja je u promatranom vremenskom razdoblju zahvaćena na vodocrpilištima, te dopremljena, isporučena i fakturirana potrošačima (očitanja vodomjera, paušal) – potrošnja.

NEFAKTURIRANA VODA – količina koja je u promatranom vremenskom razdoblju zahvaćena na vodocrpilištima i koja je ušla u sustav, ali nije fakturirana (nefakturirana mjerena i nemjerena količina, netočnost ili nepreciznost mjerenja vodomjera, pogreške u očitavanju i obračunu, krađa vode, tehnološka potreba sustava – potreba postrojenja za pripremu pitke vode, tlačne probe i ispiranje nakon dezinfekcije cjevovoda i objekata, stvarni gubici u sustavu – lomovi i procurivanja na cjevovodima, objektima i priključcima do vodomjera).

U analizi podataka o proizvodnji i potrošnji koja je izvršena u sklopu ovog Elaborata, pod pojmom proizvodnje se podrazumijevaju zahvaćene količine ili dignuta voda, potrošnja je u stvari fakturirana voda, a razlika između proizvodnje i potrošnje je nefakturirana ili neprodana voda.

Kako predmet ovog Elaborata nije detekcija i sanacija gubitaka vodoopskrbnog sustava, ovdje nije vršena detaljna analiza nefakturirane vode.

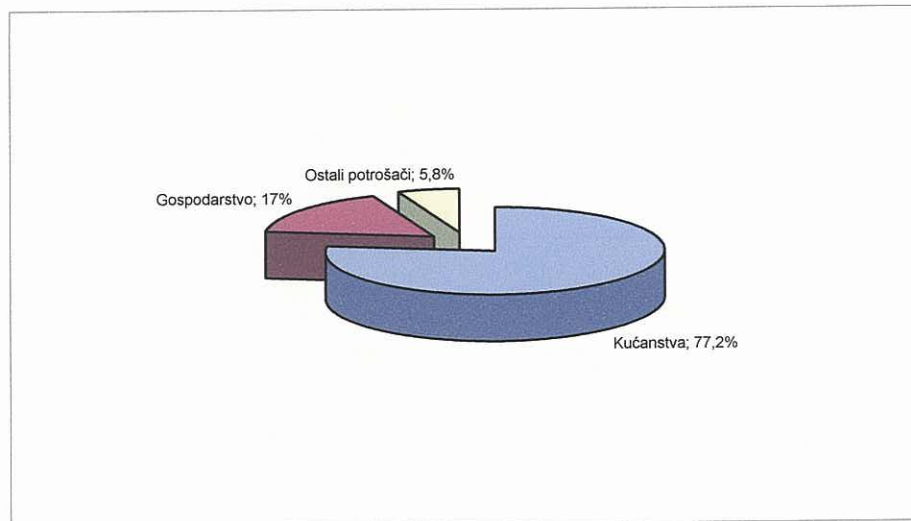
U tablici u nastavku daje se pregled podataka o zahvaćenim, fakturiranim i nefakturiranim količinama za razdoblje od 2000. do 2008. godine:

| Godina | ZAHVAĆENA VODA    | FAKTURIRANO       |       | NEFAKTURIRANO     |       |
|--------|-------------------|-------------------|-------|-------------------|-------|
|        | (m <sup>3</sup> ) | (m <sup>3</sup> ) | %     | (m <sup>3</sup> ) | %     |
| 2000   | 8.395.015         | 4.635.286         | 55,21 | 3.759.729         | 44,79 |
| 2001   | 8.578.077         | 4.909.753         | 57,24 | 3.668.324         | 42,76 |
| 2002   | 8.349.951         | 5.019.241         | 60,11 | 3.330.710         | 39,89 |
| 2003   | 8.962.589         | 5.455.297         | 60,87 | 3.507.292         | 39,13 |
| 2004   | 8.435.386         | 4.924.439         | 58,38 | 3.510.947         | 41,62 |
| 2005   | 7.951.219         | 4.797.331         | 60,33 | 3.153.888         | 39,67 |
| 2006   | 7.577.211         | 4.789.995         | 63,22 | 2.787.216         | 36,78 |
| 2007   | 7.397.627         | 4.925.263         | 66,58 | 2.472.364         | 33,42 |
| 2008   | 7.165.147         | 4.844.937         | 67,62 | 2.320.210         | 32,38 |

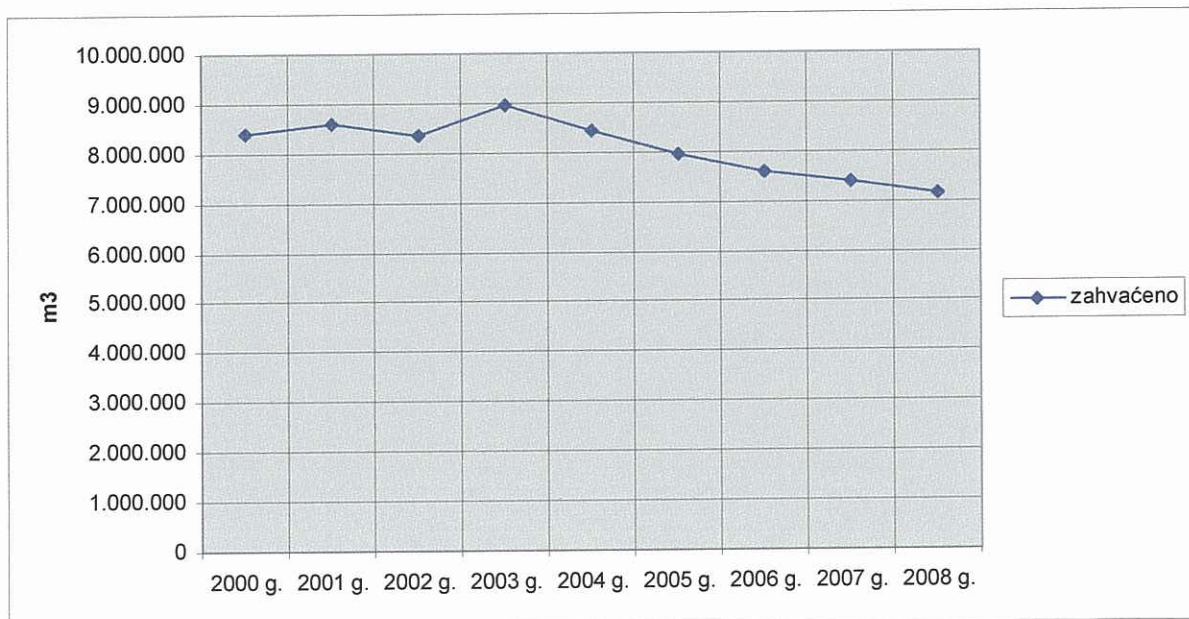
|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

Prema podacima za 2008. godinu učešće vodocrpilišta "Nedelišće" u ukupno zahvaćenim količinama bilo je cca 80%, a učešće vodocrpilišta "Prelog" cca 20%.

Struktura fakturiranih količina potrošačima je kako slijedi:



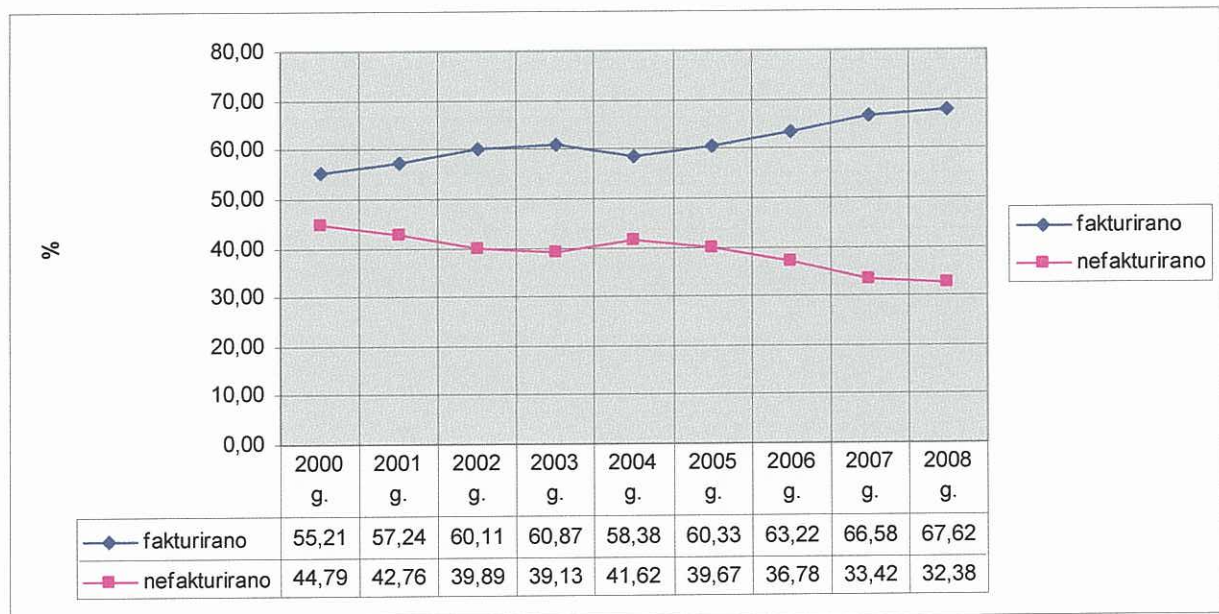
Trend zahvaćene vode (zahvaćene količine) je od 2004. godine do 2008. godine u konstantnome je padu:



|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:  | Stranica:<br>32/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

Trend fakturirane i nefakturirane vode u razdoblju od 2000. godine do 2008. godine je kako slijedi:



Iz gornjih tablica je vidljiv povoljan odnos trendova. Istovremeno sa padom zahvaćenih količina, trend fakturirane vode ukazuje na porast, a trend nefakturirane vode na pad. Ovakav odnos trendova je poželjan jer ukazuje na to da se ovom problemu u sklopu gospodarenja sustavom ipak posvećuje potrebna pozornost. Kako na ove trendove u pravilu najviše utječu aktivnosti na rekonstrukcijama sustava: zamjena starih i dotrajalih cjevovoda novim, zamjena zasuna i fazonskih komada, te detekcija i sanacija stvarnih gubitaka (lomovi i procurivanja na cjevovodima, objektima i priključcima do vodomjera), a koji u ukupnoj nefakturiranoj vodi u pravilu učestvuju sa preko 90%, može se konstatirati da stvarni gubici imaju trend opadanja.

Potrebno je naglasiti i to da je, pored smanjenja stvarnih gubitaka, uzrok konstantnome padu zahvaćenih količina i sve povoljnijem odnosu fakturiranih i nefakturiranih količina, racionalnija potrošnja (štednja vode) i efikasnija naplata.

U nastavku je izvršen izračun indikatora uspješnosti rješavanja stvarnih gubitaka vode ILI – (Infrastructure Leakage Indeks), a pri izračunu su korišteni parametri iz 2008. godine:

|                            |                          |
|----------------------------|--------------------------|
| gustoća priključaka        | 31,69 / km cjevovoda     |
| stvarni gubici u sustavu   | 2.180.997 m <sup>3</sup> |
| broj priključaka u sustavu | 32.665                   |
| duljina cjevovoda          | 1.030,69 km              |

Osnovni indikator gubitaka vode prema međunarodnim standardima – CARL (Current Annual Volume of Real Losses) – Postojeća godišnja količina stvarnih gubitaka je

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>33/512       |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

**CARL** = 182,93 l/priključku/dan = 5,79 m<sup>3</sup>/km cjev./dan

Neizbježni gubici u sustavu prema međunarodnim standardima – UARL (Unavoidable annual real losses) – Neizbježni godišnji stvarni gubici su

**UARL** =  $((18 \times L_m + 0,8 \times N_c + 25 \times L_p) \times P) / N_c =$   
 $= ((18 \times 1.030,69 + 0,8 \times 32.665 + 25 \times 327) \times 50) / 32.665 = 80,91$  l/priklj./dan

gdje je:  $L_m$ =duljina cjevovoda (km);  $N_c$ =broj priključaka;  $L_p$ =duljina cjevovoda od priključnog ventola do vodomjer (km);  $P$ =prosječni tlak (m).

**ILI** = CARL / UARL = 182,93 / 80,91 = 2,26

Naprijed izračunati indikator je vrlo zadovoljavajući, a što ukazuje na kvalitetno gospodarenje vodoopskrbnim sustavom.

Stvarni gubici u 2008. godini su bili oko 30% u odnosu na zahvaćenu vodu, što je značajno ispod razine prosječnih stvarnih gubitaka u vodoopskrbnim sustavima u Hrvatskoj (oko 43%).

U nastavku su prezentirani podaci o ostvarenoj specifičnoj potrošnji u 2008. godini:

- potrošnja stanovništva 3.729.824 m<sup>3</sup>/god.
- ukupan broj stanovnika 120.656

Specifična potrošnja  $q = 84,69$  l/stan./dan

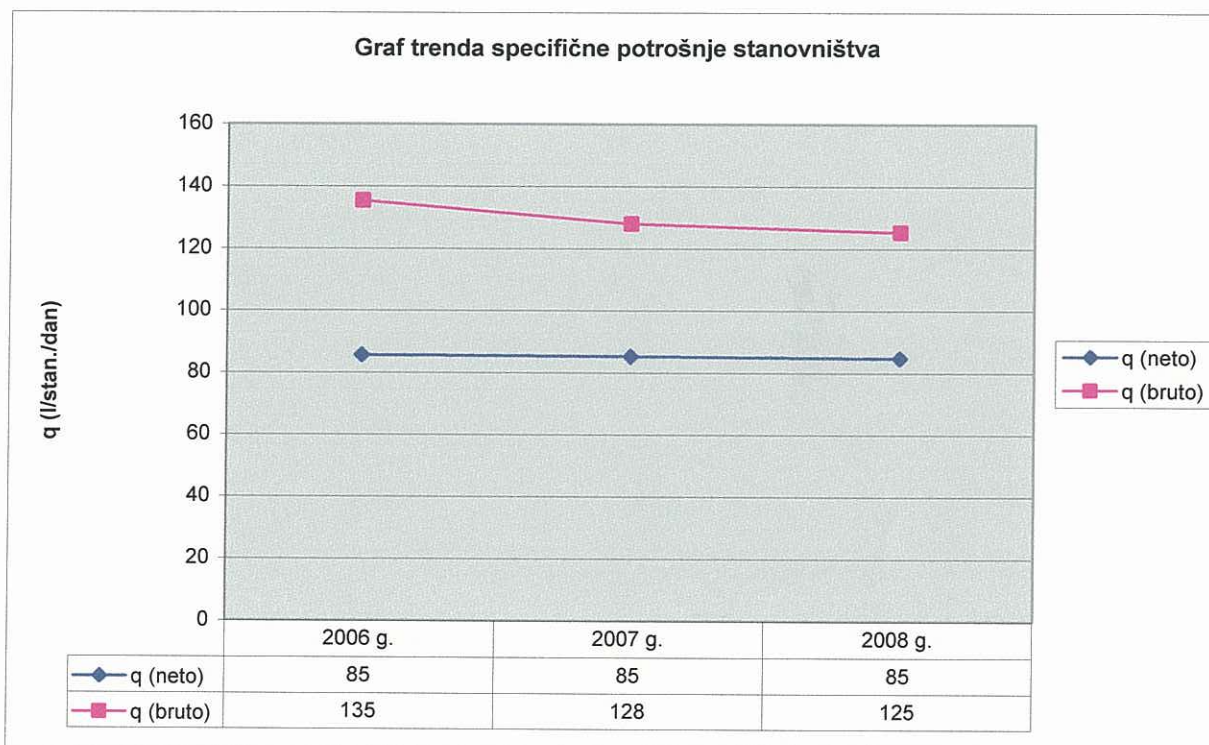
Naprijed izračunata specifična potrošnja predstavlja neto vrijednost i izračunata je na osnovu podatka o fakturiranoj vodi.

Kad u proračun uvrstimo adekvatan podatak o zahvaćenoj vodi (za potrebe stanovništva), dobije se specifična potrošnja od 125,35 l/stan./dan.

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>34/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

U nastavku se prilaže graf trenda specifične potrošnje stanovništva za razdoblje od prethodne tri godine:



Ako se za izračun specifične potrošnje koristi podatak o ukupno zahvaćenoj vodi (za potrebe stanovništva i gospodarstva), dobije se ukupna specifična potrošnja od 162,7 l/stan./dan.

Podaci o potrošnji većih potrošača koji su uzeti u obzir u sklopu gornjeg izračuna su kako slijedi:

| VEĆI POTROŠAČI VODE U GRADU ČAKOVCU U 2008 GODINI |                         |                        |                |        |
|---|-------------------------|------------------------|----------------|--------|
| R. b.   | Potrošač                | Adresa potrošača       | m <sup>3</sup> | godina |
| 1.  | Dom za starije osobe    | Čakovec M. Hrvatske 1  | 19 590         | 2008   |
| 2.  | MTČ                     | Čakovec M. Hrvatske 10 | 39 600         | -    - |
| 3.  | MTČ                     | Čakovec M. Hrvatske 10 | 47 532         | -    - |
| 4.  | MTČ Čaraparija          | Čakovec Neumannova 2   | 38 884         | -    - |
| 5.  | PIPO VS Inkubatori      | Čakovec R. Steinera 7  | 49 339         | -    - |
| 6.  | Želj. vozila d.o.o.     | Čakovec Kolodvorska 6  | 16 849         | -    - |
| 7.  | VAJDA Čakovec           | Čakovec Zagrebačka 4   | 76 400         | -    - |
| 8.  | VAJDA Čakovec           | Čakovec Zagrebačka 4   | 19 097         | -    - |
| 9.  | Poliklin.Stac. Paviljon | Čakovec I.G.Kovačića 1 | 76 340         | -    - |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>35/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

Na osnovu naprijed izloženog može se zaključiti da je neto specifična potrošnja relativno niska, te da je i bruto specifična potrošnja osjetno niža od uobičajenih normativa koji se primjenjuju pri projektiranju vodoopskrbnih sustava.

Podaci o prodaji vode u 2008. godini su kako slijedi:

| MEĐIMURSKA<br>ŽUPANIJA | PRODAJA          |               |                            |              |                  |               |
|------------------------|------------------|---------------|----------------------------|--------------|------------------|---------------|
|                        | 2008.            |               |                            |              |                  |               |
|                        | stanovništvo     |               | gospodarstvo i<br>ustanove |              | ukupno           |               |
|                        | m3/god.          | l/s           | m3/god.                    | l/s          | m3/god.          | l/s           |
| <b>Županija ukupno</b> | <b>3.729.894</b> | <b>118,25</b> | <b>1.115.043</b>           | <b>35,35</b> | <b>4.844.937</b> | <b>153,59</b> |
| <b>Gradovi ukupno</b>  | <b>1.443.891</b> | <b>45,76</b>  | <b>731.708</b>             | <b>23,20</b> | <b>2.175.599</b> | <b>68,96</b>  |
| <b>1. Čakovec</b>      | <b>1.081.298</b> | <b>34,29</b>  | <b>676.123</b>             | <b>21,44</b> | <b>1.757.421</b> | <b>55,73</b>  |
| Čakovec                | 711.282          | 22,55         | 658.405                    | 20,88        | 1.369.687        | 43,43         |
| Ivanovec               | 40.213           | 1,28          | 4.283                      | 0,14         | 44.496           | 1,41          |
| Krištanovec            | 22.289           | 0,71          | 248                        | 0,01         | 22.537           | 0,71          |
| Kuršanec               | 24.971           | 0,79          | 1.251                      | 0,04         | 26.222           | 0,83          |
| Mačkovec *             | 50.435           | 1,60          | 3.356                      | 0,11         | 53.791           | 1,71          |
| Mihovljan              | 55.528           | 1,76          | 644                        | 0,02         | 56.172           | 1,78          |
| N.Selo Rok             | 59.679           | 1,89          | 2.168                      | 0,07         | 61.847           | 1,96          |
| N.Selo na Dravi        | 14.750           | 0,47          | 186                        | 0,01         | 14.936           | 0,47          |
| Savska Ves             | 49.814           | 1,58          | 1.853                      | 0,06         | 51.667           | 1,64          |
| Slemenice *            | 7.787            | 0,25          | 1.224                      | 0,04         | 9.011            | 0,29          |
| Šandorovec             | 11.827           | 0,38          | 873                        | 0,03         | 12.700           | 0,40          |
| Totovec                | 17.767           | 0,56          | 1.362                      | 0,04         | 19.129           | 0,61          |
| Žiškovec               | 14.956           | 0,47          | 270                        | 0,01         | 15.226           | 0,48          |
| <b>2. M.Središće</b>   | <b>178.016</b>   | <b>5,62</b>   | <b>20.713</b>              | <b>0,66</b>  | <b>198.729</b>   | <b>6,27</b>   |
| Hlapičina              |                  |               |                            |              |                  |               |
| Križovec               | 825              |               | 23                         |              |                  |               |
| Mursko Središće        | 123.741          | 3,92          | 19.326                     | 0,61         | 143.067          | 4,54          |
| Peklenica              | 42.448           | 1,35          | 1.286                      | 0,04         | 43.734           | 1,39          |
| Štrukovec              | 11.002           | 0,35          | 78                         | 0,00         | 11.080           | 0,35          |
| <b>3. Prelog</b>       | <b>184.577</b>   | <b>5,85</b>   | <b>34.872</b>              | <b>1,11</b>  | <b>219.449</b>   | <b>6,96</b>   |
| Cirkovljan             | 5.607            | 0,18          | 320                        | 0,01         | 5.927            | 0,19          |
| Čehovec                | 13.878           | 0,44          | 528                        | 0,02         | 14.406           | 0,46          |
| Čukovec                | 10.590           | 0,34          | 131                        | 0,00         | 10.721           | 0,34          |
| Draškovec              | 22.222           | 0,70          | 1.105                      | 0,04         | 23.327           | 0,74          |
| Hemuševac              | 8.792            | 0,28          | 220                        | 0,01         | 9.012            | 0,29          |
| Oporovec               | 12.174           | 0,39          | 333                        | 0,01         | 12.507           | 0,40          |
| Otok                   | 8.046            | 0,26          | 594                        | 0,02         | 8.640            | 0,27          |
| Prelog                 | 103.268          | 3,27          | 31.641                     | 1,00         | 134.909          | 4,28          |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
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|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>36/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

| Općine ukupno               | 2.286.003      | 72,49       | 383.335       | 12,14       | 2.669.338      | 84,63       |
|-----------------------------|----------------|-------------|---------------|-------------|----------------|-------------|
| <b>1. Belica</b>            | <b>91.902</b>  | <b>2,91</b> | <b>7.136</b>  | <b>0,23</b> | <b>99.038</b>  | <b>3,14</b> |
| Belica                      | 72.351         | 2,29        | 6.418         | 0,20        | 78.769         | 2,50        |
| Gardinovec                  | 19.551         | 0,62        | 718           | 0,02        | 20.269         | 0,64        |
| <b>2. Dekanovec</b>         | <b>20.331</b>  | <b>0,64</b> | <b>1.004</b>  | <b>0,03</b> | <b>21.335</b>  | <b>0,68</b> |
| Dekanovec                   | 20.331         | 0,64        | 1.004         | 0,03        | 21.335         | 0,68        |
| <b>3. Domašinec</b>         | <b>71.162</b>  | <b>2,26</b> | <b>5.740</b>  | <b>0,18</b> | <b>76.902</b>  | <b>2,44</b> |
| Domašinec                   | 52.079         | 1,65        | 3.264         | 0,10        | 55.343         | 1,75        |
| Turčišće                    | 19.083         | 0,61        | 2.476         | 0,08        | 21.559         | 0,68        |
| <b>4. Donja Dubrava</b>     | <b>63.839</b>  | <b>2,02</b> | <b>76.913</b> | <b>2,44</b> | <b>140.752</b> | <b>4,46</b> |
| Donja Dubrava               | 63.839         | 2,02        | 76.913        | 2,44        | 140.752        | 4,46        |
| <b>5. Donji Kraljevec</b>   | <b>157.759</b> | <b>5,00</b> | <b>44.197</b> | <b>1,40</b> | <b>201.956</b> | <b>6,40</b> |
| Donji Hrašćan               | 17.118         | 0,54        | 170           | 0,01        | 17.288         | 0,55        |
| Donji Kraljevec             | 60.050         | 1,90        | 29.189        | 0,93        | 89.239         | 2,83        |
| Donji Pustakovec            | 7.399          | 0,23        | 103           | 0,00        | 7.502          | 0,24        |
| Hodošan                     | 44.835         | 1,42        | 14.076        | 0,45        | 58.911         | 1,87        |
| Palinovec                   | 19.652         | 0,62        | 382           | 0,01        | 20.034         | 0,64        |
| Sveti Juraj u Trnju         | 8.705          | 0,28        | 277           | 0,01        | 8.982          | 0,28        |
| <b>6. Donji Vidovec</b>     | <b>42.670</b>  | <b>1,35</b> | <b>4.112</b>  | <b>0,13</b> | <b>46.782</b>  | <b>1,48</b> |
| Donji Vidovec               | 42.670         | 1,35        | 4.112         | 0,13        | 46.782         | 1,48        |
| <b>7. Goričan</b>           | <b>90.780</b>  | <b>2,88</b> | <b>16.150</b> | <b>0,51</b> | <b>106.930</b> | <b>3,39</b> |
| Goričan                     | 89.331         | 2,83        | 16.150        | 0,51        | 105.481        | 3,34        |
| Granični prijelaz           | 1.449          | 0,05        |               |             | 1.449          | 0,05        |
| <b>8. Gornji Mihaljevec</b> | <b>61.849</b>  | <b>1,96</b> | <b>3.338</b>  | <b>0,10</b> | <b>65.187</b>  | <b>2,07</b> |
| Badličan                    | 5.025          | 0,16        | 310           | 0,01        | 5.335          | 0,17        |
| Bogdanovec                  | 2.620          | 0,08        |               |             | 2.620          | 0,08        |
| Dragoslavec Breg            | 2.053          | 0,07        |               |             | 2.053          | 0,07        |
| Dragoslavec Selo            | 9.050          | 0,29        | 40            |             | 9.090          | 0,29        |
| Gornja Dubrava              | 6.075          | 0,19        |               |             | 6.075          | 0,19        |
| Gornji Mihaljevec           | 4.862          | 0,15        | 2.966         | 0,09        | 7.828          | 0,25        |
| Martinuševec                | 9.685          | 0,31        | 5             | 0,00        | 9.690          | 0,31        |
| Preseka                     | 1.236          | 0,04        | 16            | 0,00        | 1.252          | 0,04        |
| Prhovec                     | 2.466          | 0,08        |               |             | 2.466          | 0,08        |
| Tupkovec                    | 3.475          | 0,11        |               |             | 3.475          | 0,11        |
| Vugrišinec                  | 6.076          | 0,19        |               |             | 6.076          | 0,19        |
| Vukanovec                   | 9.226          | 0,29        | 1             | 0,00        | 9.227          | 0,29        |
| <b>9. Kotoriba</b>          | <b>92.730</b>  | <b>2,94</b> | <b>16.053</b> | <b>0,51</b> | <b>108.783</b> | <b>3,45</b> |
| Kotoriba                    | 92.730         | 2,94        | 16.053        | 0,51        | 108.783        | 3,45        |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>37/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                          |                |              |               |             |                |              |
|--------------------------|----------------|--------------|---------------|-------------|----------------|--------------|
| <b>10. Mala Subotica</b> | <b>126.663</b> | <b>4,02</b>  | <b>6.760</b>  | <b>0,21</b> | <b>133.423</b> | <b>4,23</b>  |
| Držimurec                | 11.568         | 0,37         | 524           | 0,02        | 12.092         | 0,38         |
| Mala Subotica            | 59.143         | 1,88         | 5.020         | 0,16        | 64.163         | 2,03         |
| Palovec                  | 21.947         | 0,70         | 542           | 0,02        | 22.489         | 0,71         |
| Strelec                  | 8.211          | 0,26         | 38            |             | 8.249          | 0,26         |
| Sveti Križ               | 12.665         | 0,40         | 25            | 0,00        | 12.690         | 0,40         |
| Štefanec                 | 13.129         | 0,42         | 611           | 0,02        | 13.740         | 0,44         |
|                          |                |              |               |             |                |              |
| <b>11. Nedelišće</b>     | <b>366.375</b> | <b>11,62</b> | <b>22.062</b> | <b>0,70</b> | <b>388.437</b> | <b>12,32</b> |
| Črečan                   | 10.519         | 0,33         | 14            | 0,00        | 10.533         | 0,33         |
| Dunjkovec                | 28.398         | 0,90         | 349           | 0,01        | 28.747         | 0,91         |
| Gornji Hrašćan           | 17.789         | 0,56         | 1.047         | 0,03        | 18.836         | 0,60         |
| Gornji Kuršanec          | 28.031         | 0,89         | 1.262         | 0,04        | 29.293         | 0,93         |
| Macinec                  | 14.812         | 0,47         | 1.090         | 0,03        | 15.902         | 0,50         |
| Nedelišće                | 170.327        | 5,40         | 12.160        | 0,39        | 182.487        | 5,79         |
| Pretetinec               | 21.463         | 0,68         | 372           | 0,01        | 21.835         | 0,69         |
| Pušćine                  | 39.566         | 1,25         | 5.011         | 0,16        | 44.577         | 1,41         |
| Slakovec                 | 20.860         | 0,66         | 106           | 0,00        | 20.966         | 0,66         |
| Trnovec                  | 14.610         | 0,46         | 651           | 0,02        | 15.261         | 0,48         |
|                          |                |              |               |             |                |              |
| <b>12. Orehovica</b>     | <b>77.998</b>  | <b>2,47</b>  | <b>16.445</b> | <b>0,52</b> | <b>94.443</b>  | <b>2,99</b>  |
| Orehovica                | 35.592         | 1,13         | 16.228        | 0,51        | 51.820         | 1,64         |
| Podbrest                 | 26.133         | 0,83         | 193           | 0,01        | 26.326         | 0,83         |
| Vularija                 | 16.273         | 0,52         | 24            | 0,00        | 16.297         | 0,52         |
|                          |                |              |               |             |                |              |
| <b>13. Podturen</b>      | <b>84.803</b>  | <b>2,69</b>  | <b>4.636</b>  | <b>0,15</b> | <b>89.439</b>  | <b>2,84</b>  |
| Celine                   | 7.743          | 0,25         | 64            | 0,00        | 7.807          | 0,25         |
| Ferketinec               | 3.269          | 0,10         | 9             | 0,00        | 3.278          | 0,10         |
| Miklavec                 | 6.279          | 0,20         | 240           | 0,01        | 6.519          | 0,21         |
| Novakovec                | 16.687         | 0,53         | 545           | 0,02        | 17.232         | 0,55         |
| Podturen                 | 28.791         | 0,91         | 2.753         | 0,09        | 31.544         | 1,00         |
| Sivica                   | 22.034         | 0,70         | 1.025         | 0,03        | 23.059         | 0,73         |
|                          |                |              |               |             |                |              |
| <b>13a. Pribislavec</b>  | <b>86.056</b>  | <b>2,73</b>  | <b>10.989</b> | <b>0,35</b> | <b>97.045</b>  | <b>3,08</b>  |
| Pribislavec              | 86.056         | 2,73         | 10.989        | 0,35        | 97.045         | 3,08         |
|                          |                |              |               |             |                |              |
| <b>14. Selnica</b>       | <b>94.371</b>  | <b>2,99</b>  | <b>3.099</b>  | <b>0,09</b> | <b>97.470</b>  | <b>3,08</b>  |
| Bukovec                  | 5.796          | 0,18         | 26            | 0,00        | 5.822          | 0,18         |
| Donji Koncovčak          | 9.870          | 0,31         | 328           | 0,01        | 10.198         | 0,32         |
| Donji Zebanec            | 6.228          | 0,20         |               |             | 6.228          | 0,20         |
| Gornji Zebanec           | 6.991          | 0,22         |               |             | 6.991          | 0,22         |
| Merhatovec               | 4.953          | 0,16         |               |             | 4.953          | 0,16         |
| Plešivica                | 2.896          | 0,09         | 161           | 0,01        | 3.057          | 0,10         |
| Praporčan                | 5.365          | 0,17         |               |             | 5.365          | 0,17         |
| Selnica                  | 33.810         | 1,07         | 2.061         | 0,07        | 35.871         | 1,14         |
| Zaveščak                 | 5.291          | 0,17         |               |             | 5.291          | 0,17         |
| Zebanec                  | 1.092          | 0,03         | 260           |             | 1.352          | 0,03         |
| Zebanec Selo             | 12.079         | 0,38         | 263           | 0,01        | 12.342         | 0,39         |
|                          |                |              |               |             |                |              |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>38/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

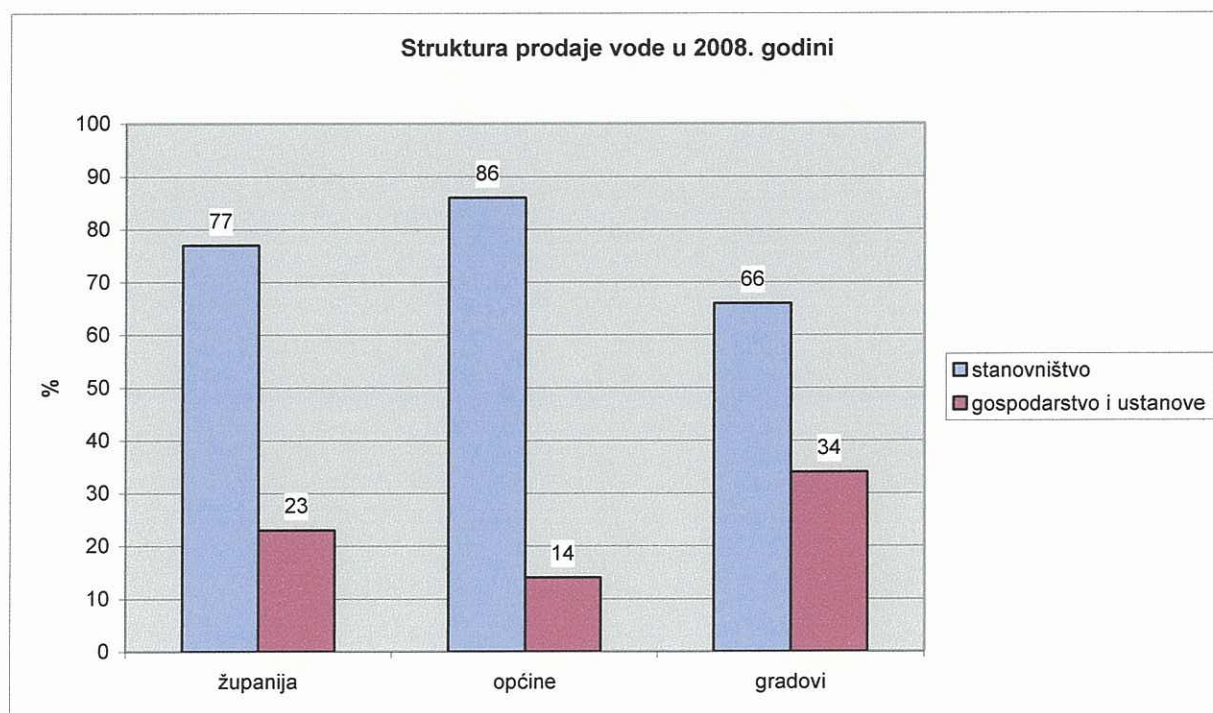
|                                 |                |             |               |             |                |             |
|---------------------------------|----------------|-------------|---------------|-------------|----------------|-------------|
| <b>15. Strahoninec</b>          | <b>96.365</b>  | <b>3,06</b> | <b>2.324</b>  | <b>0,07</b> | <b>98.689</b>  | <b>3,13</b> |
| Strahoninec                     | 96.365         | 3,06        | 2.324         | 0,07        | 98.689         | 3,13        |
| <b>16. Sveta Marija</b>         | <b>70.696</b>  | <b>2,24</b> | <b>6.228</b>  | <b>0,20</b> | <b>76.924</b>  | <b>2,44</b> |
| Donji Mihaljevec                | 22.719         | 0,72        | 1.111         | 0,04        | 23.830         | 0,76        |
| Sveta Marija                    | 47.977         | 1,52        | 5.117         | 0,16        | 53.094         | 1,68        |
| <b>17. Sveti Juraj na Bregu</b> | <b>213.848</b> | <b>6,78</b> | <b>6.667</b>  | <b>0,21</b> | <b>220.515</b> | <b>6,99</b> |
| Brezje                          | 32.822         | 1,04        | 442           | 0,01        | 33.264         | 1,05        |
| Dragoslavec                     | 16.831         | 0,53        | 87            | 0,00        | 16.918         | 0,54        |
| Frkanovec                       | 13.550         | 0,43        | 63            | 0,00        | 13.613         | 0,43        |
| Lopatinec                       | 40.962         | 1,30        | 2.888         | 0,09        | 43.850         | 1,39        |
| Mali Mihaljevec                 | 15.420         | 0,49        | 1.290         | 0,04        | 16.710         | 0,53        |
| Okrugli Vrh                     | 19.256         | 0,61        | 27            | 0,00        | 19.283         | 0,61        |
| Pleškovec                       | 17.894         | 0,57        | 1.567         | 0,05        | 19.461         | 0,62        |
| Vučetinec                       | 25.628         | 0,81        | 10            | 0,00        | 25.638         | 0,81        |
| Zasadbreg                       | 31.485         | 1,00        | 293           | 0,01        | 31.778         | 1,01        |
| <b>18. Sveti Martin na Muri</b> | <b>77.316</b>  | <b>2,45</b> | <b>82.205</b> | <b>2,61</b> | <b>159.521</b> | <b>5,06</b> |
| Brezovec                        | 5.854          | 0,19        | 221           | 0,01        | 6.075          | 0,19        |
| Bukovje                         | 569            | 0,02        | 90            | 0,00        | 659            | 0,02        |
| Čestijanec                      | 2.015          | 0,06        |               |             | 2.015          | 0,06        |
| Gornji Koncovčak                | 2.253          | 0,07        |               |             | 2.253          | 0,07        |
| Gradišćak                       | 6.385          | 0,20        | 7.130         | 0,23        | 13.515         | 0,43        |
| Grkavešćak                      | 2.965          | 0,09        | 32.303        | 1,02        | 35.268         | 1,12        |
| Jurovčak                        | 8.646          | 0,27        | 68            | 0,00        | 8.714          | 0,28        |
| Jurovec                         | 5.921          | 0,19        | 204           | 0,01        | 6.125          | 0,19        |
| Kapelšćak                       | 4.053          | 0,13        |               |             | 4.053          | 0,13        |
| Lapšina                         | 3.566          | 0,11        |               |             | 3.566          | 0,11        |
| Marof                           | 2.391          | 0,08        |               |             | 2.391          | 0,08        |
| Sveti Martin na Muri            | 13.622         | 0,43        | 3.399         | 0,11        | 17.021         | 0,54        |
| Vrhovljan                       | 8.210          | 0,26        | 968           | 0,03        | 9.178          | 0,29        |
| Vučkovec                        | 133            | 0,00        | 37.716        | 1,20        | 37.849         | 1,20        |
| Žabnik                          | 10.733         | 0,34        | 106           | 0,00        | 10.839         | 0,34        |
| <b>19. Šenkovec</b>             | <b>126.967</b> | <b>4,03</b> | <b>33.114</b> | <b>1,05</b> | <b>160.081</b> | <b>5,08</b> |
| Knezovec                        | 15.176         | 0,48        | 47            | 0,00        | 15.223         | 0,48        |
| Šenkovec                        | 111.791        | 3,54        | 33.067        | 1,05        | 144.858        | 4,59        |
| <b>20. Štrigova</b>             | <b>112.953</b> | <b>3,58</b> | <b>11.256</b> | <b>0,36</b> | <b>124.209</b> | <b>3,94</b> |
| Banfi                           | 9.236          | 0,29        | 231           | 0,01        | 9.467          | 0,30        |
| Grabrovník                      | 11.118         | 0,35        |               |             | 11.118         | 0,35        |
| Jalšovec                        | 5.421          | 0,17        |               |             | 5.421          | 0,17        |
| Leskovec                        | 2.560          | 0,08        |               |             | 2.560          | 0,08        |
| Prekopa                         | 8.566          | 0,27        | 49            | 0,00        | 8.615          | 0,27        |
| Robadje                         | 6.155          | 0,20        | 54            | 0,00        | 6.209          | 0,20        |
| Stanetinec                      | 11.235         | 0,36        | 349           | 0,01        | 11.584         | 0,37        |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>39/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|                       |               |             |              |             |               |             |
|-----------------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Sveti Urban           | 24.426        | 0,77        | 860          | 0,03        | 25.286        | 0,80        |
| Štrigova              | 14.758        | 0,47        | 8.214        | 0,26        | 22.972        | 0,73        |
| Železna Gora          | 19.478        | 0,62        | 1.499        | 0,05        | 20.977        | 0,67        |
| <b>21. Vratašinec</b> | <b>58.570</b> | <b>1,86</b> | <b>2.907</b> | <b>0,09</b> | <b>61.477</b> | <b>1,95</b> |
| Gornji Kraljevec      | 18.430        | 0,58        | 679          | 0,02        | 19.109        | 0,61        |
| Vratašinec            | 40.140        | 1,27        | 2.228        | 0,07        | 42.368        | 1,34        |

Rezultati analize podataka za 2008. godinu na nivou županije, općina i gradova, a u pogledu prodaje vode stanovništvu u odnosu na gospodarstvo i ustanove (struktura prodaje vode), prikazani su u slijedećem grafu:



Iz gornjeg prikaza vidljivo je da je u odnosu na ukupnu prodaju vode prodaja vode stanovništvu najveća na ruralnim područjima (86%), a najmanja u gradovima (66%), što je i bilo za očekivati, obzirom na činjenicu da su gospodarski subjekti i ustanove uglavnom locirani u urbanim zonama.

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| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>40/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

### 4.3. Baze ulaznih podataka za hidraulički matematički model postojećeg stanja

U ovom poglavlju su prezentirane baze ulaznih podataka za hidraulički matematički model postojećeg stanja.

Hidrauličkim matematičkim modelom postojećeg stanja obuhvaćeni su cjevovodi i objekti čiji pregled se daje u tablicama u nastavku.

| TABLICA DIONICA CJEVOVODA – POSTOJEĆE STANJE |                 |                        |             |              |              |
|--|-----------------|------------------------|-------------|--------------|--------------|
| OZNAKA DIONICE                               | VRSTA CJEVOVODA | UNUTARNJI PROMJER (mm) | DULJINA (m) | POČETNI ČVOR | ZAVRŠNI ČVOR |
| PL1  | PEHD DN 63      | 55,40                  | 119,11      | PC2          | PC1          |
| PL10   | PEHD DN 40      | 35,20                  | 25,74       | PC10         | PC11         |
| PL100  | PVC DN 110      | 101,60                 | 560,91      | PC98         | PC100A       |
| PL1000                                       | PEHD DN 63      | 55,40                  | 427,38      | PC999        | PC1000       |
| PL1001                                       | PVC DN 110      | 101,60                 | 663,76      | PC998        | PC1001       |
| PL1001A                                      | DUCTIL DN 300   | 300,00                 | 160,35      | PC1001B      | PC1001A      |
| PL1001B                                      | DUCTIL DN 300   | 300,00                 | 327,37      | PC1001A      | PC1014       |
| PL1002                                       | PVC DN 110      | 101,60                 | 279,01      | PC1001       | PC1002       |
| PL1003                                       | PEHD DN 90      | 79,20                  | 133,49      | PC1002       | PC1003       |
| PL1004                                       | PVC DN 110      | 101,60                 | 303,38      | PC1002       | PC1004       |
| PL1005                                       | PVC DN 315      | 290,80                 | 1.222,41    | PC1007       | PC988        |
| PL1006                                       | PEHD DN 90      | 79,20                  | 265,47      | PC1005       | PC1006       |
| PL1007                                       | PVC DN 280      | 258,60                 | 42,62       | PC1008       | PC1007       |
| PL1008A                                      | PVC DN 280      | 258,60                 | 26,21       | PC1009A      | PC1008       |
| PL1009                                       | DUCTIL DN 400   | 400,00                 | 29,41       | PC1010       | PC1011       |
| PL100A                                       | PVC DN 110      | 101,60                 | 141,50      | PC100B       | PC100        |
| PL101  | PEHD DN 90      | 79,20                  | 537,58      | PC100        | PC101        |
| PL1010                                       | DUCTIL DN 400   | 400,00                 | 19,75       | PC1012       | PC1010       |
| PL1011                                       | DUCTIL DN 300   | 300,00                 | 36,28       | PC1014       | PC1013       |
| PL1012                                       | PVC DN 110      | 101,60                 | 572,41      | PC1007A      | PC996        |
| PL1013                                       | PEHD DN 110     | 96,80                  | 164,68      | PC1015       | PC1016       |
| PL1013a                                      | PEHD DN 110     | 96,80                  | 120         | PC992        | PC1015       |
| PL1014                                       | PEHD DN 63      | 55,40                  | 368,62      | PC1016       | PC1017       |
| PL1015                                       | PEHD DN 25      | 21,40                  | 28,28       | PC1017       | PC1018       |
| PL1016                                       | PEHD DN 63      | 55,40                  | 135,75      | PC1017       | PC1019       |
| PL1017                                       | PEHD DN 110     | 96,80                  | 42,06       | PC1016       | PC1020       |
| PL1018                                       | PVC DN 110      | 101,60                 | 154,84      | PC1020       | PC1021       |
| PL1019                                       | PEHD DN 90      | 79,20                  | 262,32      | PC1021       | PC1005       |
| PL102  | PEHD DN 63      | 55,40                  | 362,98      | PC101        | PC102        |
| PL1020                                       | PEHD DN 110     | 96,80                  | 280,39      | PC1021       | PC1022       |
| PL1021                                       | PVC DN 110      | 101,60                 | 197,92      | PC1022       | PC1023       |
| PL1022                                       | PVC DN 110      | 101,60                 | 98,42       | PC1023       | PC1024       |
| PL1023                                       | PEHD DN 110     | 96,80                  | 531,16      | PC1023       | PC1025       |
| PL1024                                       | PVC DN 110      | 101,60                 | 404,70      | PC1022B      | PC1026       |
| PL1025                                       | PVC DN 110      | 101,60                 | 26,62       | PC1026       | PC1027       |

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| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>41/512       |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |          |         |         |
|--------|---------------|--------|----------|---------|---------|
| PL1026 | PEHD DN 110   | 96,80  | 221,05   | PC1028A | PC1026  |
| PL1027 | PVC DN 160    | 147,60 | 395,16   | PC1022B | PC1028  |
| PL1028 | PVC DN 160    | 147,60 | 243,04   | PC1029  | PC1028  |
| PL1029 | PVC DN 160    | 147,60 | 66,89    | PC1007B | PC1029  |
| PL103  | PVC DN 110    | 101,60 | 1.195,56 | PC100   | PC103   |
| PL1030 | PVC DN 110    | 101,60 | 245,82   | PC1029  | PC1030  |
| PL1031 | PEHD DN 90    | 79,20  | 96,92    | PC1030  | PC1031  |
| PL1032 | PEHD DN 90    | 79,20  | 24,78    | PC1031  | PC1032  |
| PL1033 | PEHD DN 90    | 79,20  | 119,86   | PC1031  | PC1033  |
| PL1034 | PEHD DN 110   | 96,80  | 302,89   | PC1030  | PC1034  |
| PL1035 | PEHD DN 90    | 79,20  | 274,84   | PC1035  | PC1034  |
| PL1036 | PVC DN 110    | 101,60 | 521,90   | PC1036  | PC1034  |
| PL1037 | DUCTIL DN 300 | 300,00 | 945,42   | PC1037  | PC1001B |
| PL1038 | PVC DN 110    | 101,60 | 713,26   | PC1004  | PC1038A |
| PL1039 | DUCTIL DN 400 | 400,00 | 137,12   | PC1037  | PC1038  |
| PL104  | PEHD DN 90    | 79,20  | 198,58   | PC103   | PC104   |
| PL1040 | PVC DN 110    | 101,60 | 173,11   | PC1038A | PC1039  |
| PL1041 | DUCTIL DN 300 | 300,00 | 266,99   | PC1040  | PC1037  |
| PL1042 | PEHD DN 160   | 141,00 | 30,97    | PC1042  | PC1041  |
| PL1043 | PEHD DN 110   | 96,80  | 14,29    | PC1041  | PC1043  |
| PL1044 | PEHD DN 90    | 79,20  | 311,36   | PC1043  | PC1044  |
| PL1045 | PEHD DN 160   | 141,00 | 304,33   | PC1041  | PC1045  |
| PL1046 | PEHD DN 32    | 21,40  | 169,18   | PC1045  | PC1046  |
| PL1047 | PEHD DN 160   | 141,00 | 158,00   | PC1045  | PC1047  |
| PL1048 | PEHD DN 110   | 96,80  | 7,83     | PC1047  | PC1048  |
| PL1049 | PVC DN 110    | 101,60 | 94,77    | PC1048  | PC1049  |
| PL105  | PEHD DN 90    | 79,20  | 476,73   | PC104   | PC105   |
| PL1050 | PEHD DN 160   | 141,00 | 236,42   | PC1047  | PC1050  |
| PL1051 | DUCTIL DN 400 | 400,00 | 788,43   | PC1038  | PC1051  |
| PL1052 | PEHD DN 110   | 96,80  | 411,86   | PC1050  | PC1057  |
| PL1053 | PEHD DN 160   | 141,00 | 460,31   | PC1050  | PC1052  |
| PL1054 | PEHD DN 160   | 141,00 | 230,33   | PC1052  | PC1053  |
| PL1055 | PVC DN 110    | 101,60 | 198,26   | PC1052  | PC1054  |
| PL1056 | PVC DN 110    | 101,60 | 17,52    | PC1054  | PC1055  |
| PL1057 | PVC DN 110    | 101,60 | 169,28   | PC1054  | PC1056  |
| PL1059 | PVC DN 110    | 101,60 | 151,23   | PC1004  | PC1058  |
| PL106  | PEHD DN 63    | 55,40  | 239,95   | PC105   | PC106   |
| PL1060 | PVC DN 110    | 101,60 | 204,79   | PC1058  | PC1059  |
| PL1061 | PEHD DN 110   | 96,80  | 755,97   | PC1058  | PC1060A |
| PL1062 | PVC DN 110    | 101,60 | 242,64   | PC1060  | PC1061  |
| PL1063 | DUCTIL DN 400 | 400,00 | 459,94   | PC1051  | PC1062  |
| PL1064 | PEHD DN 110   | 96,80  | 179,70   | PC1062  | PC1060  |
| PL1065 | DUCTIL DN 400 | 400,00 | 988,30   | PC1062  | PC1063  |
| PL1066 | PVC DN 280    | 258,60 | 558,76   | PC1065  | PC452   |
| PL1067 | PVC DN 110    | 101,60 | 1.036,51 | PC1065  | PC1066  |
| PL1068 | PVC DN 280    | 258,60 | 1.218,91 | PC1067  | PC1065  |
| PL1069 | PVC DN 280    | 258,60 | 658,93   | PC1068  | PC1067  |
| PL107  | PEHD DN 90    | 79,20  | 877,40   | PC105   | PC107   |
| PL1070 | PVC DN 160    | 147,60 | 173,14   | PC1067  | PC1069  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>42/512       |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1071 | PVC DN 110  | 101,60 | 228,70   | PC1069 | PC1070 |
| PL1072 | PVC DN 110  | 101,60 | 204,80   | PC1070 | PC1071 |
| PL1073 | PVC DN 160  | 147,60 | 142,19   | PC1069 | PC1072 |
| PL1074 | PVC DN 160  | 147,60 | 215,23   | PC1072 | PC1073 |
| PL1075 | PVC DN 110  | 101,60 | 144,27   | PC1073 | PC1070 |
| PL1076 | PVC DN 160  | 147,60 | 477,00   | PC1074 | PC1073 |
| PL1077 | PVC DN 110  | 101,60 | 305,10   | PC1074 | PC1075 |
| PL1078 | PVC DN 110  | 101,60 | 227,49   | PC1075 | PC1076 |
| PL1079 | PVC DN 110  | 101,60 | 238,49   | PC1075 | PC1077 |
| PL108  | PEHD DN 63  | 55,40  | 298,28   | PC108  | PC109A |
| PL1080 | PEHD DN 110 | 96,80  | 166,96   | PC1077 | PC1078 |
| PL1081 | PVC DN 160  | 147,60 | 281,74   | PC1079 | PC1074 |
| PL1082 | PVC DN 110  | 101,60 | 134,78   | PC1079 | PC1080 |
| PL1083 | PVC DN 110  | 101,60 | 140,36   | PC1080 | PC1081 |
| PL1084 | PVC DN 110  | 101,60 | 48,88    | PC1080 | PC1082 |
| PL1085 | PEHD DN 110 | 96,80  | 94,00    | PC1082 | PC1083 |
| PL1086 | PVC DN 110  | 101,60 | 207,62   | PC1082 | PC1084 |
| PL1087 | PVC DN 160  | 147,60 | 122,08   | PC1085 | PC1079 |
| PL1088 | PVC DN 110  | 101,60 | 209,82   | PC1085 | PC1086 |
| PL1089 | PVC DN 160  | 147,60 | 57,88    | PC1087 | PC1085 |
| PL108A | PVC DN 110  | 101,60 | 110,10   | PC109C | PC109  |
| PL108C | PVC DN 110  | 101,60 | 186,93   | PC108  | PC109B |
| PL109  | PEHD DN 63  | 55,40  | 125,08   | PC109A | PC110  |
| PL1090 | PVC DN 110  | 101,60 | 25,43    | PC1087 | PC1088 |
| PL1091 | PVC DN 160  | 147,60 | 50,87    | PC1089 | PC1087 |
| PL1092 | PVC DN 110  | 101,60 | 220,93   | PC1089 | PC1090 |
| PL1093 | PVC DN 110  | 101,60 | 32,18    | PC1090 | PC1091 |
| PL1094 | PVC DN 110  | 101,60 | 137,06   | PC1090 | PC1092 |
| PL1095 | PVC DN 110  | 101,60 | 213,47   | PC1092 | PC1093 |
| PL1096 | PVC DN 110  | 101,60 | 49,42    | PC1092 | PC1094 |
| PL1097 | PVC DN 110  | 101,60 | 53,07    | PC1094 | PC1095 |
| PL1098 | PVC DN 110  | 101,60 | 153,88   | PC1094 | PC1096 |
| PL1099 | PEHD DN 110 | 96,80  | 307,05   | PC1096 | PC1097 |
| PL11   | PEHD DN 40  | 35,20  | 194,19   | PC10   | PC12   |
| PL110  | PEHD DN 110 | 96,80  | 342,90   | PC109  | PC111  |
| PL1100 | PVC DN 160  | 147,60 | 157,97   | PC1098 | PC1089 |
| PL1101 | PVC DN 110  | 101,60 | 323,55   | PC1098 | PC1099 |
| PL1102 | PVC DN 160  | 147,60 | 266,96   | PC1100 | PC1098 |
| PL1103 | PVC DN 110  | 101,60 | 225,61   | PC1100 | PC1101 |
| PL1104 | PVC DN 160  | 147,60 | 123,01   | PC1102 | PC1100 |
| PL1105 | PVC DN 110  | 101,60 | 318,65   | PC1102 | PC1103 |
| PL1106 | PVC DN 160  | 147,60 | 315,69   | PC1068 | PC1102 |
| PL1107 | PVC DN 225  | 207,80 | 1.228,71 | PC1105 | PC1104 |
| PL1108 | PVC DN 225  | 207,80 | 127,47   | PC1105 | PC1106 |
| PL1109 | PVC DN 110  | 101,60 | 125,14   | PC1106 | PC1107 |
| PL111  | PVC DN 160  | 147,60 | 1.199,38 | PC112  | PC108  |
| PL1110 | PVC DN 225  | 207,80 | 1.234,51 | PC1106 | PC1108 |
| PL1111 | PVC DN 110  | 101,60 | 122,47   | PC1108 | PC1109 |
| PL1112 | PVC DN 110  | 101,60 | 187,71   | PC1109 | PC1110 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>43/512       |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1113 | PVC DN 110  | 101,60 | 142,69   | PC1109 | PC1111 |
| PL1114 | PVC DN 225  | 207,80 | 115,79   | PC1108 | PC1112 |
| PL1115 | PVC DN 110  | 101,60 | 108,55   | PC1112 | PC1113 |
| PL1116 | PVC DN 225  | 207,80 | 155,56   | PC1112 | PC1114 |
| PL1117 | PVC DN 225  | 207,80 | 6,37     | PC1115 | PC1105 |
| PL1118 | PVC DN 110  | 101,60 | 185,95   | PC1115 | PC1116 |
| PL1119 | PVC DN 110  | 101,60 | 98,92    | PC1116 | PC1117 |
| PL112  | PVC DN 110  | 101,60 | 451,25   | PC112  | PC115  |
| PL1120 | PEHD DN 110 | 96,80  | 389,74   | PC1116 | PC1118 |
| PL1121 | PVC DN 225  | 207,80 | 552,49   | PC1119 | PC1115 |
| PL1122 | PVC DN 225  | 207,80 | 158,20   | PC1120 | PC1119 |
| PL1123 | PVC DN 110  | 101,60 | 187,14   | PC1120 | PC1121 |
| PL1124 | PVC DN 110  | 101,60 | 432,31   | PC1122 | PC1119 |
| PL1125 | PVC DN 110  | 101,60 | 369,18   | PC1125 | PC1122 |
| PL1126 | PVC DN 225  | 207,80 | 310,94   | PC1123 | PC1120 |
| PL1127 | PVC DN 110  | 101,60 | 104,31   | PC1124 | PC1123 |
| PL1128 | PVC DN 225  | 207,80 | 52,99    | PC1125 | PC1123 |
| PL1129 | PVC DN 225  | 207,80 | 1.898,13 | PC1126 | PC1125 |
| PL113  | PEHD DN 63  | 55,40  | 153,33   | PC113  | PC114  |
| PL1130 | PVC DN 160  | 147,60 | 1.454,21 | PC1126 | PC1127 |
| PL1131 | PVC DN 160  | 147,60 | 461,94   | PC1127 | PC1128 |
| PL1132 | PVC DN 160  | 147,60 | 415,51   | PC1129 | PC1128 |
| PL1133 | PVC DN 110  | 101,60 | 70,68    | PC1129 | PC1130 |
| PL1134 | PVC DN 110  | 101,60 | 265,96   | PC1130 | PC1131 |
| PL1135 | PVC DN 110  | 101,60 | 675,12   | PC1132 | PC1130 |
| PL1136 | PEHD DN 50  | 44,00  | 69,62    | PC1132 | PC1133 |
| PL1137 | PVC DN 110  | 101,60 | 71,46    | PC1134 | PC1132 |
| PL1138 | PVC DN 110  | 101,60 | 243,18   | PC1135 | PC1129 |
| PL1139 | PVC DN 160  | 147,60 | 1.260,17 | PC1136 | PC1137 |
| PL114  | PVC DN 110  | 101,60 | 398,79   | PC115A | PC113  |
| PL1140 | PVC DN 110  | 101,60 | 201,48   | PC1137 | PC1138 |
| PL1141 | PVC DN 160  | 147,60 | 96,43    | PC1139 | PC1137 |
| PL1142 | PVC DN 110  | 101,60 | 186,32   | PC1139 | PC1140 |
| PL1143 | PVC DN 160  | 147,60 | 991,99   | PC1141 | PC1139 |
| PL1144 | PVC DN 110  | 101,60 | 355,45   | PC1141 | PC1142 |
| PL1145 | PVC DN 110  | 101,60 | 280,92   | PC1142 | PC1143 |
| PL1146 | PVC DN 110  | 101,60 | 96,85    | PC1142 | PC1144 |
| PL1147 | PVC DN 110  | 101,60 | 117,94   | PC1144 | PC1145 |
| PL1148 | PVC DN 110  | 101,60 | 320,33   | PC1145 | PC1146 |
| PL1149 | PVC DN 110  | 101,60 | 284,08   | PC1145 | PC1147 |
| PL115  | PVC DN 160  | 147,60 | 213,00   | PC112  | PC116  |
| PL1150 | PVC DN 110  | 101,60 | 357,53   | PC1147 | PC1148 |
| PL1151 | PVC DN 110  | 101,60 | 259,43   | PC1147 | PC1149 |
| PL1152 | PVC DN 110  | 101,60 | 231,92   | PC1150 | PC1144 |
| PL1153 | PVC DN 110  | 101,60 | 261,11   | PC1151 | PC1150 |
| PL1154 | PVC DN 110  | 101,60 | 130,87   | PC1141 | PC1151 |
| PL1155 | PVC DN 110  | 101,60 | 115,20   | PC1151 | PC1152 |
| PL1156 | PEHD DN 63  | 55,40  | 127,87   | PC1152 | PC1153 |
| PL1157 | PVC DN 110  | 101,60 | 193,70   | PC1152 | PC1154 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>44/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1158 | PVC DN 110  | 101,60 | 290,81   | PC1150 | PC1155 |
| PL1159 | PEHD DN 25  | 21,40  | 952,68   | PC1155 | PC1156 |
| PL116  | PVC DN 110  | 101,60 | 676,83   | PC116  | PC117  |
| PL1160 | PVC DN 160  | 147,60 | 994,56   | PC1157 | PC1141 |
| PL1161 | PVC DN 110  | 101,60 | 302,10   | PC1157 | PC1158 |
| PL1162 | PVC DN 110  | 101,60 | 220,60   | PC1158 | PC1159 |
| PL1163 | PVC DN 110  | 101,60 | 124,56   | PC1160 | PC1159 |
| PL1164 | PVC DN 110  | 101,60 | 407,08   | PC1160 | PC1161 |
| PL1165 | PEHD DN 63  | 55,40  | 49,97    | PC1161 | PC1162 |
| PL1166 | PVC DN 110  | 101,60 | 229,14   | PC1163 | PC1161 |
| PL1167 | PVC DN 110  | 101,60 | 401,96   | PC1159 | PC1163 |
| PL1168 | PVC DN 110  | 101,60 | 652,29   | PC1163 | PC1158 |
| PL1169 | PVC DN 160  | 147,60 | 865,15   | PC1164 | PC1157 |
| PL117  | PEHD DN 32  | 28,20  | 45,86    | PC117  | PC118  |
| PL1170 | PEHD DN 160 | 141,00 | 1.097,58 | PC1166 | PC1165 |
| PL1171 | PEHD DN 225 | 198,20 | 1.399,25 | PC1166 | PC3234 |
| PL1172 | PEHD DN 225 | 198,20 | 193,59   | PC1168 | PC1166 |
| PL1173 | PEHD DN 110 | 96,80  | 163,57   | PC1168 | PC1169 |
| PL1174 | PEHD DN 225 | 198,20 | 156,82   | PC1170 | PC1168 |
| PL1175 | PEHD DN 110 | 96,80  | 90,38    | PC1170 | PC1171 |
| PL1176 | PEHD DN 225 | 198,20 | 714,13   | PC1172 | PC1170 |
| PL1177 | PEHD DN 110 | 96,80  | 367,66   | PC1172 | PC1173 |
| PL1178 | PEHD DN 110 | 96,80  | 249,12   | PC1172 | PC1174 |
| PL1179 | PEHD DN 110 | 96,80  | 153,29   | PC1174 | PC1175 |
| PL118  | PVC DN 110  | 101,60 | 337,72   | PC117  | PC119  |
| PL1180 | PEHD DN 110 | 96,80  | 218,85   | PC1174 | PC1176 |
| PL1181 | PEHD DN 225 | 198,20 | 1.138,24 | PC1172 | PC1177 |
| PL1182 | PEHD DN 225 | 198,20 | 94,41    | PC1177 | PC1178 |
| PL1183 | PEHD DN 225 | 198,20 | 592,49   | PC1178 | PC1179 |
| PL1184 | PEHD DN 160 | 141,00 | 427,60   | PC1179 | PC1180 |
| PL1185 | PEHD DN 110 | 96,80  | 543,18   | PC1180 | PC1181 |
| PL1186 | PEHD DN 160 | 141,00 | 318,48   | PC1180 | PC1182 |
| PL1187 | PEHD DN 160 | 141,00 | 46,85    | PC1182 | PC1183 |
| PL1188 | PEHD DN 160 | 141,00 | 19,28    | PC1183 | PC1184 |
| PL1189 | PEHD DN 110 | 96,80  | 53,44    | PC1184 | PC1185 |
| PL119  | PVC DN 160  | 147,60 | 10,67    | PC120  | PC116  |
| PL1190 | PEHD DN 160 | 141,00 | 103,20   | PC1184 | PC1177 |
| PL1191 | PEHD DN 110 | 96,80  | 239,85   | PC1186 | PC1178 |
| PL1192 | PEHD DN 110 | 96,80  | 61,66    | PC1182 | PC1186 |
| PL1193 | PEHD DN 110 | 96,80  | 97,74    | PC1186 | PC1187 |
| PL1194 | PEHD DN 110 | 96,80  | 124,37   | PC1187 | PC1188 |
| PL1195 | PEHD DN 110 | 96,80  | 102,01   | PC1187 | PC1189 |
| PL1196 | PEHD DN 160 | 141,00 | 93,49    | PC1183 | PC1190 |
| PL1197 | PEHD DN 110 | 96,80  | 36,88    | PC1190 | PC1191 |
| PL1198 | PEHD DN 160 | 141,00 | 87,58    | PC1190 | PC1192 |
| PL1199 | PEHD DN 110 | 96,80  | 212,71   | PC1192 | PC1193 |
| PL12   | PEHD DN 75  | 66,00  | 345,21   | PC13   | PC7    |
| PL120  | PVC DN 110  | 101,60 | 354,48   | PC120  | PC121A |
| PL1200 | PEHD DN 110 | 96,80  | 59,10    | PC1193 | PC1194 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>45/512       |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL1201  | PEHD DN 110   | 96,80  | 172,79   | PC1193 | PC1195 |
| PL1202  | PEHD DN 110   | 96,80  | 113,49   | PC1195 | PC1196 |
| PL1203  | PEHD DN 110   | 96,80  | 92,28    | PC1195 | PC1197 |
| PL1204  | PEHD DN 110   | 96,80  | 219,03   | PC1198 | PC1195 |
| PL1205  | PEHD DN 160   | 141,00 | 314,77   | PC1192 | PC1198 |
| PL1206  | PEHD DN 110   | 96,80  | 139,09   | PC1198 | PC1199 |
| PL1207  | PVC DN 225    | 198,20 | 1.615,54 | PC1068 | PC1179 |
| PL1208  | PVC DN 225    | 207,80 | 1.712,79 | PC1200 | PC1126 |
| PL1209  | PVC DN 110    | 101,60 | 56,98    | PC1201 | PC1202 |
| PL121   | PVC DN 110    | 101,60 | 547,52   | PC121  | PC122A |
| PL1210  | PVC DN 110    | 101,60 | 296,12   | PC1203 | PC1201 |
| PL1211  | PVC DN 160    | 147,60 | 149,06   | PC1203 | PC1204 |
| PL1212  | PVC DN 110    | 101,60 | 47,59    | PC1204 | PC1205 |
| PL1213  | PVC DN 110    | 101,60 | 49,35    | PC1205 | PC1206 |
| PL1214  | PVC DN 110    | 101,60 | 68,04    | PC1205 | PC1207 |
| PL1215  | PVC DN 110    | 101,60 | 225,14   | PC1205 | PC1201 |
| PL1216  | PVC DN 110    | 101,60 | 231,53   | PC1204 | PC1208 |
| PL1217  | PVC DN 160    | 147,60 | 853,25   | PC1204 | PC1209 |
| PL1218  | PVC DN 110    | 101,60 | 22,83    | PC1209 | PC1210 |
| PL1219  | PVC DN 110    | 101,60 | 60,88    | PC1210 | PC1211 |
| PL122   | PEHD DN 110   | 96,80  | 301,89   | PC122  | PC123  |
| PL1220  | PVC DN 110    | 101,60 | 173,20   | PC1210 | PC1212 |
| PL1221  | PVC DN 110    | 101,60 | 268,66   | PC1209 | PC1213 |
| PL1222  | PVC DN 110    | 101,60 | 115,28   | PC1203 | PC1214 |
| PL1223  | PVC DN 160    | 147,60 | 508,98   | PC1215 | PC1203 |
| PL1224  | PVC DN 110    | 101,60 | 161,37   | PC1215 | PC1216 |
| PL1224A | PEHD DN 315   | 290,80 | 161,99   | PC1215 | PC1217 |
| PL1225  | PVC DN 110    | 101,60 | 123,49   | PC1217 | PC1218 |
| PL1226  | DUCTIL DN 300 | 300,00 | 542,01   | PC1217 | PC1200 |
| PL1226A | PVC DN 110    | 101,60 | 543,07   | PC1217 | PC1200 |
| PL1227  | PVC DN 110    | 101,60 | 220,70   | PC1219 | PC1215 |
| PL1228  | DUCTIL DN 300 | 300,00 | 369,19   | PC1219 | PC1217 |
| PL1229  | DUCTIL DN 300 | 300,00 | 469,46   | PC1219 | PC1220 |
| PL123   | PVC DN 160    | 147,60 | 158,50   | PC124  | PC120  |
| PL1230  | PVC DN 110    | 101,60 | 1,35     | PC1222 | PC1220 |
| PL1231  | PVC DN 110    | 101,60 | 1,65     | PC1222 | PC1223 |
| PL1232  | PEHD DN 110   | 96,80  | 5,89     | PC1222 | PC1224 |
| PL1233  | PEHD DN 110   | 96,80  | 2,77     | PC1225 | PC1224 |
| PL1233A | DUCTIL DN 300 | 300,00 | 5,54     | PC1221 | PC1220 |
| PL1234  | PEHD DN 110   | 96,80  | 32,39    | PC1225 | PC1226 |
| PL1235  | PVC DN 225    | 207,80 | 545,90   | PC1220 | PC1227 |
| PL1235A | PVC DN 110    | 101,60 | 659,58   | PC1220 | PC1229 |
| PL1236  | PVC DN 225    | 207,80 | 113,65   | PC1227 | PC1230 |
| PL1237  | PVC DN 110    | 101,60 | 287,73   | PC1227 | PC1228 |
| PL1238  | PVC DN 110    | 101,60 | 24,74    | PC1229 | PC1230 |
| PL1239  | PVC DN 110    | 101,60 | 171,47   | PC1229 | PC1231 |
| PL124   | PVC DN 110    | 101,60 | 500,95   | PC124  | PC125  |
| PL1240  | PVC DN 225    | 207,80 | 139,01   | PC1230 | PC1233 |
| PL1241  | PVC DN 225    | 207,80 | 468,11   | PC1233 | PC1234 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>46/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL1241A | PVC DN 110    | 101,60 | 466,71   | PC1233 | PC1234 |
| PL1242  | PVC DN 160    | 147,60 | 723,99   | PC1234 | PC1235 |
| PL1243  | PVC DN 160    | 147,60 | 658,19   | PC1235 | PC1236 |
| PL1244  | PVC DN 110    | 101,60 | 1.199,52 | PC1236 | PC1237 |
| PL1245  | PVC DN 160    | 147,60 | 698,72   | PC1238 | PC1236 |
| PL1246  | PVC DN 160    | 147,60 | 713,32   | PC1238 | PC1239 |
| PL1247  | PVC DN 110    | 101,60 | 243,64   | PC1239 | PC1240 |
| PL1248  | PVC DN 160    | 147,60 | 234,03   | PC1239 | PC1241 |
| PL1249  | PVC DN 110    | 101,60 | 175,15   | PC1241 | PC1242 |
| PL124A  | PVC DN 110    | 101,60 | 23,81    | PC125  | PC125A |
| PL124B  | PVC DN 110    | 101,60 | 234,67   | PC125A | PC125B |
| PL125   | PEHD DN 110   | 96,80  | 1.114,28 | PC125  | PC126  |
| PL1250  | PVC DN 160    | 147,60 | 629,85   | PC1243 | PC1238 |
| PL1251  | PEHD DN 63    | 55,40  | 15,36    | PC1243 | PC1244 |
| PL1252  | PVC DN 160    | 147,60 | 35,85    | PC1234 | PC1243 |
| PL1253  | DUCTIL DN 300 | 300,00 | 859,94   | PC1245 | PC1221 |
| PL1254  | DUCTIL DN 300 | 300,00 | 1.212,51 | PC1246 | PC1245 |
| PL1255  | PEHD DN 225   | 198,20 | 565,45   | PC1246 | PC1247 |
| PL1256  | PEHD DN 110   | 96,80  | 252,21   | PC1248 | PC1247 |
| PL1257  | PEHD DN 90    | 79,20  | 76,60    | PC1248 | PC1249 |
| PL1258  | PEHD DN 110   | 96,80  | 167,99   | PC1250 | PC1248 |
| PL1259  | PEHD DN 90    | 79,20  | 175,05   | PC1250 | PC1251 |
| PL125A  | PEHD DN 32    | 28,20  | 801,53   | PC125A | PC126A |
| PL126   | PEHD DN 110   | 96,80  | 136,01   | PC126  | PC127  |
| PL1260  | PEHD DN 110   | 96,80  | 208,16   | PC1252 | PC1250 |
| PL1261  | DUCTIL DN 400 | 400,00 | 370,12   | PC1252 | PC1246 |
| PL1262  | DUCTIL DN 400 | 400,00 | 701,11   | PC1253 | PC1252 |
| PL1263  | PVC DN 280    | 258,60 | 6,31     | PC1253 | PC1255 |
| PL1264  | PVC DN 280    | 258,60 | 638,71   | PC1255 | PC1254 |
| PL1265  | DUCTIL DN 400 | 400,00 | 266,08   | PC1257 | PC1253 |
| PL1266  | DUCTIL DN 400 | 400,00 | 753,94   | PC1258 | PC1257 |
| PL1267  | DUCTIL DN 400 | 400,00 | 15,81    | PC1259 | PC1258 |
| PL1268  | DUCTIL DN 400 | 400,00 | 212,11   | PC1260 | PC1259 |
| PL1268A | PEHD DN 110   | 96,80  | 214,11   | PC1259 | PC1261 |
| PL1269  | PVC DN 110    | 101,60 | 2,09     | PC1260 | PC1261 |
| PL127   | PEHD DN 110   | 96,80  | 245,41   | PC126  | PC128  |
| PL1270  | PVC DN 110    | 101,60 | 324,75   | PC1259 | PC1262 |
| PL1271  | PVC DN 110    | 101,60 | 164,44   | PC1260 | PC1263 |
| PL1272  | PVC DN 110    | 101,60 | 240,09   | PC1263 | PC1264 |
| PL1273  | PVC DN 110    | 101,60 | 107,92   | PC1264 | PC1265 |
| PL1274  | PVC DN 110    | 101,60 | 269,54   | PC1264 | PC1266 |
| PL1275  | PVC DN 110    | 101,60 | 594,74   | PC1263 | PC1267 |
| PL1276  | DUCTIL DN 400 | 400,00 | 467,68   | PC1269 | PC1260 |
| PL1276A | PEHD DN 110   | 96,80  | 285,08   | PC1270 | PC1268 |
| PL1277  | DUCTIL DN 200 | 200,00 | 6,57     | PC1269 | PC1270 |
| PL1278  | DUCTIL DN 400 | 400,00 | 587,82   | PC1063 | PC1269 |
| PL1279  | PVC DN 280    | 258,60 | 307,99   | PC1270 | PC1271 |
| PL1279A | PVC DN 110    | 101,60 | 286,27   | PC1270 | PC1273 |
| PL128   | PVC DN 160    | 147,60 | 402,49   | PC129  | PC124  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>47/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL1280 | PVC DN 280  | 258,60 | 143,53 | PC1271 | PC1272 |
| PL1281 | PEHD DN 110 | 96,80  | 262,47 | PC1273 | PC1274 |
| PL1282 | PEHD DN 110 | 96,80  | 94,46  | PC1274 | PC1275 |
| PL1283 | PEHD DN 110 | 96,80  | 30,04  | PC1275 | PC1276 |
| PL1284 | PEHD DN 110 | 96,80  | 183,96 | PC1275 | PC1277 |
| PL1285 | PEHD DN 110 | 96,80  | 89,70  | PC1277 | PC1274 |
| PL1286 | PEHD DN 110 | 96,80  | 59,37  | PC1277 | PC1278 |
| PL1287 | PEHD DN 110 | 96,80  | 12,04  | PC1278 | PC1279 |
| PL1288 | PEHD DN 110 | 96,80  | 150,79 | PC1278 | PC1270 |
| PL1289 | PVC DN 110  | 101,60 | 714,30 | PC1261 | PC1280 |
| PL129  | PVC DN 50   | 45,00  | 49,73  | PC129  | PC130  |
| PL1290 | PVC DN 110  | 101,60 | 303,09 | PC1280 | PC1281 |
| PL1291 | PEHD DN 110 | 96,80  | 7,43   | PC1281 | PC1282 |
| PL1292 | PEHD DN 160 | 141,00 | 748,71 | PC1284 | PC1283 |
| PL1293 | PVC DN 160  | 147,60 | 317,58 | PC1285 | PC1284 |
| PL1294 | PVC DN 160  | 147,60 | 99,44  | PC1286 | PC1285 |
| PL1295 | PVC DN 160  | 147,60 | 224,59 | PC1287 | PC1286 |
| PL1296 | PEHD DN 90  | 79,20  | 111,80 | PC1287 | PC1288 |
| PL1297 | PVC DN 160  | 147,60 | 573,14 | PC1258 | PC1287 |
| PL1298 | PVC DN 110  | 101,60 | 474,00 | PC1286 | PC1289 |
| PL1299 | PVC DN 160  | 147,60 | 559,37 | PC2491 | PC1289 |
| PL13   | PEHD DN 50  | 44,00  | 215,44 | PC13   | PC14   |
| PL1300 | PVC DN 110  | 101,60 | 62,27  | PC1289 | PC1291 |
| PL1301 | PVC DN 110  | 101,60 | 146,59 | PC1291 | PC1292 |
| PL1302 | PVC DN 110  | 101,60 | 64,65  | PC1291 | PC1293 |
| PL1303 | PVC DN 110  | 101,60 | 121,04 | PC1293 | PC1294 |
| PL1304 | PVC DN 110  | 101,60 | 38,56  | PC1293 | PC1295 |
| PL1305 | PVC DN 110  | 101,60 | 68,34  | PC1295 | PC1296 |
| PL1306 | PVC DN 110  | 101,60 | 71,50  | PC1296 | PC1297 |
| PL1307 | PVC DN 110  | 101,60 | 32,59  | PC1296 | PC1298 |
| PL1308 | PVC DN 110  | 101,60 | 118,18 | PC1298 | PC1299 |
| PL1309 | PVC DN 110  | 101,60 | 28,31  | PC1298 | PC1300 |
| PL131  | PVC DN 160  | 147,60 | 229,26 | PC131  | PC129  |
| PL1310 | PVC DN 110  | 101,60 | 52,91  | PC1300 | PC1301 |
| PL1311 | PVC DN 110  | 101,60 | 79,74  | PC1300 | PC1302 |
| PL1312 | PVC DN 110  | 101,60 | 27,72  | PC1302 | PC1303 |
| PL1313 | PVC DN 110  | 101,60 | 50,83  | PC1302 | PC1304 |
| PL1314 | PVC DN 110  | 101,60 | 30,83  | PC1295 | PC1305 |
| PL1315 | PVC DN 110  | 101,60 | 11,23  | PC1305 | PC1306 |
| PL1316 | PVC DN 110  | 101,60 | 47,20  | PC1306 | PC1307 |
| PL1317 | PVC DN 110  | 101,60 | 10,31  | PC1307 | PC1308 |
| PL1318 | PVC DN 110  | 101,60 | 48,87  | PC1308 | PC1309 |
| PL1319 | PVC DN 110  | 101,60 | 117,54 | PC1305 | PC1310 |
| PL132  | PVC DN 110  | 101,60 | 118,52 | PC131A | PC132  |
| PL1320 | PVC DN 110  | 101,60 | 118,94 | PC1306 | PC1311 |
| PL1321 | PVC DN 110  | 101,60 | 134,71 | PC1307 | PC1312 |
| PL1322 | PVC DN 110  | 101,60 | 134,81 | PC1308 | PC1313 |
| PL1323 | PVC DN 160  | 147,60 | 89,82  | PC1285 | PC1314 |
| PL1324 | PVC DN 160  | 147,60 | 143,85 | PC1314 | PC1315 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>48/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |             |        |          |         |         |
|--------|-------------|--------|----------|---------|---------|
| PL1325 | PVC DN 160  | 147,60 | 156,64   | PC1315  | PC1316  |
| PL1326 | PVC DN 160  | 147,60 | 114,07   | PC1317  | PC1316  |
| PL1327 | PVC DN 160  | 147,60 | 330,00   | PC1317  | PC1318  |
| PL1328 | PVC DN 110  | 101,60 | 79,95    | PC1317  | PC1319  |
| PL1329 | PVC DN 110  | 101,60 | 189,92   | PC1319  | PC1320  |
| PL133  | PVC DN 160  | 147,60 | 638,76   | PC136C  | PC131   |
| PL1330 | PVC DN 110  | 101,60 | 223,82   | PC1319  | PC1321  |
| PL1331 | PVC DN 110  | 101,60 | 1.628,89 | PC1321  | PC1322  |
| PL1332 | PVC DN 110  | 101,60 | 313,93   | PC1322  | PC1323  |
| PL1333 | PVC DN 110  | 101,60 | 172,78   | PC1314  | PC13242 |
| PL1334 | PEHD DN 90  | 79,20  | 256,87   | PC13242 | PC1325  |
| PL1335 | PVC DN 110  | 101,60 | 34,18    | PC13242 | PC1326  |
| PL1336 | PVC DN 110  | 101,60 | 409,19   | PC1326  | PC1327  |
| PL1337 | PVC DN 110  | 101,60 | 175,92   | PC1328  | PC1326  |
| PL1338 | PEHD DN 110 | 96,80  | 167,88   | PC1315  | PC1328  |
| PL1339 | PVC DN 110  | 101,60 | 25,72    | PC1328  | PC1329  |
| PL133A | PVC DN 110  | 101,60 | 261,81   | PC131A  | PC131B  |
| PL133B | PVC DN 110  | 101,60 | 376,84   | PC136B  | PC131B  |
| PL134  | PVC DN 110  | 101,60 | 435,22   | PC131B  | 4       |
| PL1340 | PVC DN 110  | 101,60 | 208,57   | PC1316  | PC1329  |
| PL1341 | PEHD DN 25  | 21,40  | 58,78    | PC1329  | PC1330  |
| PL1342 | PVC DN 160  | 147,60 | 7,47     | PC1258  | PC1334  |
| PL1343 | PEHD DN 160 | 141,00 | 680,71   | PC1334  | PC1331  |
| PL1344 | PEHD DN 110 | 96,80  | 120,10   | PC1332  | PC1331  |
| PL1345 | PEHD DN 160 | 141,00 | 557,64   | PC1333  | PC1332  |
| PL1346 | PEHD DN 160 | 141,00 | 315,74   | PC1331  | PC1335  |
| PL1347 | PEHD DN 110 | 96,80  | 139,02   | PC1335  | PC1336  |
| PL1348 | PEHD DN 160 | 141,00 | 229,60   | PC1335  | PC1337  |
| PL1349 | PEHD DN 110 | 96,80  | 92,51    | PC1337  | PC1338  |
| PL135  | PVC DN 110  | 101,60 | 67,06    | PC133   | PC134   |
| PL1350 | PEHD DN 110 | 96,80  | 11,90    | PC1338  | PC1339  |
| PL1351 | PEHD DN 110 | 96,80  | 78,30    | PC1339  | PC1340  |
| PL1352 | PEHD DN 110 | 96,80  | 258,08   | PC1339  | PC1341  |
| PL1353 | PEHD DN 110 | 96,80  | 56,53    | PC1341  | PC1342  |
| PL1354 | PEHD DN 110 | 96,80  | 150,56   | PC1341  | PC1343  |
| PL1355 | PEHD DN 110 | 96,80  | 215,14   | PC1338  | PC1344  |
| PL1356 | PEHD DN 110 | 96,80  | 109,71   | PC1344  | PC1345  |
| PL1357 | PEHD DN 110 | 96,80  | 253,67   | PC1344  | PC1346  |
| PL1358 | PEHD DN 160 | 141,00 | 581,13   | PC1337  | PC1347  |
| PL1359 | PEHD DN 110 | 96,80  | 259,34   | PC1347  | PC1348  |
| PL136  | PVC DN 110  | 101,60 | 292,45   | PC133   | PC135   |
| PL1360 | PEHD DN 160 | 141,00 | 197,10   | PC1347  | PC1349  |
| PL1361 | PVC DN 110  | 101,60 | 284,24   | PC1349  | PC1350  |
| PL1362 | PEHD DN 110 | 96,80  | 131,32   | PC1350  | PC1351  |
| PL1363 | PVC DN 110  | 101,60 | 310,03   | PC1350  | PC1352  |
| PL1364 | PVC DN 160  | 147,60 | 262,54   | PC1349  | PC1353  |
| PL1365 | PVC DN 160  | 147,60 | 233,85   | PC1353  | PC1354  |
| PL1366 | PVC DN 160  | 147,60 | 96,42    | PC1353  | PC1355  |
| PL1367 | PVC DN 110  | 101,60 | 287,89   | PC1355  | PC1356  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|--|--|---------------------|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               |  | Elaborat:  | Stranica:<br>49/512 |                           |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |                     | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |         |         |
|---------|---------------|--------|----------|---------|---------|
| PL1368  | PVC DN 160    | 147,60 | 225,30   | PC1355  | PC1357  |
| PL1369  | PVC DN 160    | 147,60 | 662,00   | PC1357  | PC1358  |
| PL137   | PEHD DN 90    | 79,20  | 418,88   | PC138   | PC137   |
| PL1370  | PVC DN 160    | 147,60 | 734,84   | PC1357  | PC1359  |
| PL1371  | PVC DN 160    | 147,60 | 402,15   | PC1360  | PC1361  |
| PL1372  | PVC DN 110    | 101,60 | 207,59   | PC1361  | PC1362  |
| PL1373  | PVC DN 110    | 101,60 | 30,84    | PC1362  | PC1363  |
| PL1374  | PVC DN 110    | 101,60 | 196,79   | PC1362  | PC1364  |
| PL1375  | PVC DN 160    | 147,60 | 197,32   | PC1365  | PC1361  |
| PL1376  | PVC DN 110    | 101,60 | 282,09   | PC1365  | PC1366  |
| PL1377  | PVC DN 160    | 147,60 | 405,67   | PC1367  | PC1365  |
| PL1378  | PVC DN 110    | 101,60 | 352,34   | PC1367  | PC1368  |
| PL1379  | PVC DN 160    | 147,60 | 123,85   | PC1369  | PC1367  |
| PL138   | PEHD DN 63    | 55,40  | 303,30   | PC138   | PC139   |
| PL1380  | PVC DN 110    | 101,60 | 150,37   | PC1369  | PC1370  |
| PL1381  | PVC DN 110    | 101,60 | 35,01    | PC1370  | PC1371  |
| PL1382  | PVC DN 110    | 101,60 | 625,73   | PC1370  | PC1372  |
| PL1383  | PVC DN 110    | 101,60 | 110,30   | PC1372  | PC1373  |
| PL1384  | PVC DN 110    | 101,60 | 203,30   | PC1372  | PC1374  |
| PL1385  | PVC DN 110    | 101,60 | 146,43   | PC1372  | PC1375  |
| PL1386  | PVC DN 110    | 101,60 | 260,80   | PC1376  | PC1375  |
| PL1387  | PVC DN 110    | 101,60 | 163,13   | PC1376  | PC1377  |
| PL1388  | PVC DN 110    | 101,60 | 135,26   | PC1376  | PC1378  |
| PL1389  | PVC DN 110    | 101,60 | 370,49   | PC1376  | PC1379  |
| PL139   | PEHD DN 110   | 96,80  | 430,02   | PC140   | PC138   |
| PL1390  | PVC DN 110    | 101,60 | 750,44   | PC1375  | PC1380  |
| PL1391  | PVC DN 110    | 101,60 | 445,30   | PC1380  | PC1381  |
| PL1392  | PVC DN 160    | 147,60 | 322,84   | PC1382  | PC1369  |
| PL1393  | PVC DN 160    | 147,60 | 441,35   | PC826   | PC1383  |
| PL1395  | DUCTIL DN 400 | 402,80 | 1.823,05 | PC1387A | PC1040  |
| PL1396  | PVC DN 110    | 101,60 | 1.455,06 | PC1387  | PC1388  |
| PL1397  | PVC DN 110    | 101,60 | 668,48   | PC1388  | PC1389  |
| PL1398  | PVC DN 110    | 101,60 | 448,79   | PC1388  | PC1390  |
| PL1399  | PEHD DN 110   | 96,80  | 168,56   | PC1392  | PC1393  |
| PL14    | PEHD DN 50    | 44,00  | 17,19    | PC14    | PC15    |
| PL140   | PEHD DN 110   | 96,80  | 270,38   | PC140   | PC141   |
| PL1400  | PVC DN 110    | 101,60 | 571,91   | PC1394  | PC1386  |
| PL1401  | PVC DN 110    | 101,60 | 116,99   | PC1394  | PC1395  |
| PL1402  | PVC DN 110    | 101,60 | 696,56   | PC1394  | PC1396  |
| PL1403  | PVC DN 110    | 101,60 | 297,26   | PC1397  | PC1394  |
| PL1404  | PVC DN 110    | 101,60 | 333,08   | PC1387  | PC1397  |
| PL1405  | PVC DN 110    | 101,60 | 920,00   | PC1397  | PC1398  |
| PL1406  | DUCTIL DN 400 | 402,80 | 1.283,45 | PC1399  | PC1387A |
| PL1407A | DUCTIL DN 400 | 402,80 | 1.382,11 | PC1400A | PC1399  |
| PL1408  | PVC DN 225    | 207,80 | 636,59   | PC1400  | PC1401  |
| PL1409  | PVC DN 110    | 101,60 | 67,88    | PC1401  | PC1402  |
| PL141   | PEHD DN 63    | 55,40  | 58,10    | PC141   | PC143   |
| PL1410  | PVC DN 110    | 101,60 | 125,59   | PC1402  | PC1403  |
| PL1411  | PVC DN 110    | 101,60 | 70,04    | PC1403  | PC1404  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>50/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1412 | PVC DN 110  | 101,60 | 351,49   | PC1404 | PC1405 |
| PL1413 | PVC DN 110  | 101,60 | 107,62   | PC1405 | PC1406 |
| PL1414 | PVC DN 110  | 101,60 | 99,34    | PC1407 | PC1406 |
| PL1415 | PVC DN 110  | 101,60 | 103,99   | PC1405 | PC1407 |
| PL1416 | PVC DN 110  | 101,60 | 23,52    | PC1404 | PC1408 |
| PL1417 | PVC DN 110  | 101,60 | 229,66   | PC1408 | PC1409 |
| PL1418 | PVC DN 110  | 101,60 | 123,16   | PC1409 | PC1410 |
| PL1419 | PVC DN 110  | 101,60 | 93,05    | PC1409 | PC1411 |
| PL142  | PEHD DN 110 | 96,80  | 25,49    | PC142  | PC141  |
| PL1420 | PVC DN 110  | 101,60 | 115,66   | PC1411 | PC1412 |
| PL1421 | PVC DN 110  | 101,60 | 91,73    | PC1412 | PC1413 |
| PL1422 | PVC DN 110  | 101,60 | 277,19   | PC1413 | PC1414 |
| PL1423 | PVC DN 110  | 101,60 | 237,39   | PC1412 | PC1414 |
| PL1424 | PVC DN 110  | 101,60 | 119,89   | PC1414 | PC1415 |
| PL1425 | PVC DN 110  | 101,60 | 118,79   | PC1415 | PC1416 |
| PL1426 | PVC DN 110  | 101,60 | 288,26   | PC1411 | PC1415 |
| PL1427 | PVC DN 110  | 101,60 | 82,95    | PC1416 | PC1417 |
| PL1428 | PVC DN 110  | 101,60 | 303,66   | PC1416 | PC1418 |
| PL1429 | PVC DN 110  | 101,60 | 157,32   | PC1418 | PC1420 |
| PL143  | PEHD DN 110 | 96,80  | 831,40   | PC144  | PC140  |
| PL1430 | PVC DN 110  | 101,60 | 195,35   | PC1418 | PC1419 |
| PL1431 | PVC DN 110  | 101,60 | 208,53   | PC1421 | PC1418 |
| PL1432 | PEHD DN 110 | 96,80  | 177,81   | PC1421 | PC1422 |
| PL1433 | PVC DN 110  | 101,60 | 180,21   | PC1421 | PC1423 |
| PL1434 | PEHD DN 110 | 96,80  | 152,65   | PC1423 | PC1424 |
| PL1435 | PVC DN 110  | 101,60 | 101,26   | PC1425 | PC1421 |
| PL1436 | PVC DN 110  | 101,60 | 171,83   | PC1425 | PC1426 |
| PL1437 | PEHD DN 110 | 96,80  | 89,63    | PC1426 | PC1427 |
| PL1438 | PVC DN 110  | 101,60 | 99,96    | PC1428 | PC1425 |
| PL1439 | PVC DN 110  | 101,60 | 240,00   | PC1428 | PC1429 |
| PL144  | PVC DN 110  | 101,60 | 1.299,47 | PC144  | PC145  |
| PL1440 | PVC DN 110  | 101,60 | 97,52    | PC1430 | PC1428 |
| PL1441 | PVC DN 110  | 101,60 | 438,29   | PC1430 | PC1431 |
| PL1442 | PVC DN 110  | 101,60 | 129,62   | PC1432 | PC1430 |
| PL1443 | PVC DN 110  | 101,60 | 422,89   | PC1433 | PC1432 |
| PL1444 | PVC DN 110  | 101,60 | 295,12   | PC1433 | PC1434 |
| PL1445 | PVC DN 110  | 101,60 | 460,75   | PC1435 | PC1433 |
| PL1446 | PVC DN 110  | 101,60 | 195,34   | PC1435 | PC1432 |
| PL1447 | PVC DN 110  | 101,60 | 147,63   | PC1402 | PC1435 |
| PL1448 | PVC DN 110  | 101,60 | 163,45   | PC1436 | PC1403 |
| PL1449 | PVC DN 225  | 207,80 | 1.005,18 | PC1437 | PC1400 |
| PL145  | PEHD DN 90  | 96,80  | 159,73   | PC145  | PC146  |
| PL1450 | PVC DN 225  | 207,80 | 874,26   | PC1438 | PC1437 |
| PL1451 | PVC DN 160  | 147,60 | 20,82    | PC1438 | PC1439 |
| PL1452 | PVC DN 160  | 147,60 | 94,97    | PC1440 | PC1439 |
| PL1453 | PVC DN 110  | 101,60 | 250,35   | PC1440 | PC1441 |
| PL1454 | PVC DN 160  | 147,60 | 144,33   | PC1442 | PC1440 |
| PL1455 | PVC DN 110  | 101,60 | 141,68   | PC1443 | PC1442 |
| PL1456 | PEHD DN 110 | 96,80  | 160,20   | PC1443 | PC1444 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>51/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1457 | PVC DN 160  | 147,60 | 176,76   | PC1442 | PC1445 |
| PL1458 | PVC DN 160  | 147,60 | 124,77   | PC1446 | PC1445 |
| PL1459 | PVC DN 110  | 101,60 | 42,22    | PC1449 | PC1447 |
| PL146  | PEHD DN 110 | 96,80  | 129,66   | PC146  | PC148  |
| PL1460 | PVC DN 110  | 101,60 | 157,36   | PC1446 | PC1448 |
| PL1461 | PVC DN 110  | 101,60 | 7,59     | PC1449 | PC1446 |
| PL1462 | PVC DN 110  | 101,60 | 241,13   | PC1450 | PC1449 |
| PL1463 | PVC DN 160  | 147,60 | 150,48   | PC1450 | PC1451 |
| PL1464 | PVC DN 160  | 147,60 | 196,07   | PC1452 | PC1450 |
| PL1465 | PVC DN 110  | 101,60 | 185,04   | PC1452 | PC1442 |
| PL1466 | PVC DN 160  | 147,60 | 333,59   | PC1439 | PC1452 |
| PL1467 | PVC DN 225  | 207,80 | 1.268,66 | PC1453 | PC1438 |
| PL1468 | PVC DN 110  | 101,60 | 89,53    | PC1454 | PC1453 |
| PL1469 | PVC DN 110  | 101,60 | 182,50   | PC1454 | PC1455 |
| PL147  | PEHD DN 63  | 55,40  | 364,47   | PC146  | PC147  |
| PL1470 | PVC DN 160  | 147,60 | 202,69   | PC1456 | PC1454 |
| PL1471 | PVC DN 160  | 147,60 | 246,73   | PC1456 | PC1457 |
| PL1472 | PVC DN 160  | 147,60 | 209,67   | PC1457 | PC1458 |
| PL1473 | PVC DN 110  | 101,60 | 271,19   | PC1458 | PC1459 |
| PL1474 | PVC DN 110  | 101,60 | 490,06   | PC1460 | PC1458 |
| PL1475 | PVC DN 160  | 147,60 | 134,55   | PC1457 | PC1461 |
| PL1476 | PVC DN 110  | 101,60 | 172,00   | PC1461 | PC1462 |
| PL1477 | PVC DN 160  | 147,60 | 50,82    | PC1461 | PC1463 |
| PL1478 | PVC DN 110  | 101,60 | 98,22    | PC1463 | PC1464 |
| PL1479 | PVC DN 110  | 101,60 | 1.146,38 | PC1463 | PC1465 |
| PL148  | PVC DN 110  | 101,60 | 1.401,87 | PC149  | PC150  |
| PL1480 | PVC DN 110  | 101,60 | 499,72   | PC1465 | PC1466 |
| PL1481 | PVC DN 160  | 147,60 | 275,95   | PC1467 | PC1456 |
| PL1482 | PVC DN 225  | 207,80 | 241,34   | PC1467 | PC1453 |
| PL1483 | PVC DN 110  | 101,60 | 167,71   | PC1467 | PC1468 |
| PL1484 | PVC DN 160  | 147,60 | 341,78   | PC1469 | PC1467 |
| PL1485 | PVC DN 110  | 101,60 | 232,46   | PC1469 | PC1470 |
| PL1486 | PVC DN 160  | 147,60 | 559,60   | PC1471 | PC1469 |
| PL1487 | PVC DN 160  | 147,60 | 373,27   | PC1472 | PC1471 |
| PL1488 | PVC DN 160  | 147,60 | 931,89   | PC1472 | PC1473 |
| PL1489 | PEHD DN 63  | 55,40  | 109,14   | PC1473 | PC1474 |
| PL149  | PEHD DN 110 | 96,80  | 651,95   | PC150  | PC151  |
| PL1490 | PVC DN 160  | 147,60 | 360,85   | PC1472 | PC1475 |
| PL1491 | PVC DN 110  | 101,60 | 534,14   | PC1475 | PC1476 |
| PL1492 | PEHD DN 63  | 55,40  | 80,96    | PC1476 | PC1477 |
| PL1493 | PVC DN 110  | 101,60 | 140,29   | PC1476 | PC1478 |
| PL1494 | PVC DN 110  | 101,60 | 107,74   | PC1478 | PC1479 |
| PL1495 | PVC DN 110  | 101,60 | 343,22   | PC1478 | PC1480 |
| PL1496 | PEHD DN 110 | 96,80  | 71,12    | PC1480 | PC1481 |
| PL1497 | PEHD DN 110 | 96,80  | 23,74    | PC1481 | PC1482 |
| PL1498 | PEHD DN 110 | 96,80  | 60,92    | PC1481 | PC1483 |
| PL1499 | PEHD DN 110 | 96,80  | 53,98    | PC1484 | PC1480 |
| PL150  | PVC DN 160  | 147,60 | 1.565,20 | PC152  | PC149  |
| PL1500 | PEHD DN 110 | 96,80  | 45,56    | PC1484 | PC1485 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |  |                          |
|---|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>52/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL1501 | PEHD DN 110 | 96,80  | 159,03   | PC1484 | PC1486 |
| PL1502 | PEHD DN 110 | 96,80  | 10,04    | PC1486 | PC1487 |
| PL1503 | PEHD DN 110 | 96,80  | 51,02    | PC1487 | PC1488 |
| PL1504 | PEHD DN 110 | 96,80  | 65,74    | PC1488 | PC1489 |
| PL1505 | PEHD DN 110 | 96,80  | 81,05    | PC1488 | PC1490 |
| PL1506 | PEHD DN 110 | 96,80  | 93,52    | PC1490 | PC1491 |
| PL1507 | PEHD DN 110 | 96,80  | 37,93    | PC1490 | PC1492 |
| PL1508 | PEHD DN 110 | 96,80  | 18,30    | PC1492 | PC1493 |
| PL1509 | PEHD DN 110 | 96,80  | 208,33   | PC1492 | PC1494 |
| PL151  | PVC DN 110  | 101,60 | 178,30   | PC149  | PC144  |
| PL1510 | PEHD DN 110 | 96,80  | 197,87   | PC1486 | PC1496 |
| PL1511 | PEHD DN 110 | 96,80  | 324,55   | PC1487 | PC1495 |
| PL1512 | PEHD DN 110 | 96,80  | 134,27   | PC1496 | PC1495 |
| PL1513 | PEHD DN 110 | 96,80  | 123,57   | PC1496 | PC1497 |
| PL1514 | PEHD DN 110 | 96,80  | 320,48   | PC1495 | PC1498 |
| PL1515 | PEHD DN 110 | 96,80  | 234,05   | PC1497 | PC1498 |
| PL1516 | PEHD DN 110 | 96,80  | 63,75    | PC1497 | PC1499 |
| PL1517 | PEHD DN 110 | 96,80  | 130,52   | PC1498 | PC1500 |
| PL1518 | PEHD DN 110 | 96,80  | 229,49   | PC1499 | PC1500 |
| PL1519 | PEHD DN 110 | 96,80  | 235,79   | PC1499 | PC1501 |
| PL152  | PEHD DN 110 | 96,80  | 1.477,08 | PC152  | PC151  |
| PL1520 | PEHD DN 110 | 96,80  | 31,58    | PC1501 | PC1500 |
| PL1521 | PEHD DN 110 | 96,80  | 115,00   | PC1501 | PC1502 |
| PL1522 | PEHD DN 110 | 96,80  | 101,70   | PC1502 | PC1503 |
| PL1523 | PVC DN 225  | 207,80 | 1.571,90 | PC1504 | PC1475 |
| PL1524 | PVC DN 225  | 207,80 | 24,03    | PC1504 | PC1505 |
| PL1526 | PVC DN 110  | 101,60 | 122,43   | PC1506 | PC1504 |
| PL1527 | PVC DN 110  | 101,60 | 83,72    | PC1506 | PC1507 |
| PL1528 | PVC DN 110  | 101,60 | 99,16    | PC1508 | PC1506 |
| PL1529 | PVC DN 225  | 207,80 | 738,42   | PC1509 | PC1504 |
| PL153  | PEHD DN 110 | 96,80  | 186,97   | PC151  | PC153  |
| PL1530 | PVC DN 160  | 147,60 | 87,60    | PC1509 | PC1510 |
| PL1531 | PVC DN 225  | 207,80 | 36,67    | PC1509 | PC1511 |
| PL1532 | PVC DN 160  | 147,60 | 130,39   | PC1511 | PC1512 |
| PL1533 | PVC DN 110  | 101,60 | 135,18   | PC1513 | PC1512 |
| PL1534 | PVC DN 110  | 101,60 | 274,96   | PC1513 | PC1514 |
| PL1535 | PVC DN 110  | 101,60 | 307,29   | PC1515 | PC1513 |
| PL1536 | PVC DN 160  | 147,60 | 154,46   | PC1512 | PC1515 |
| PL1537 | PVC DN 225  | 207,80 | 90,52    | PC1515 | PC1516 |
| PL1538 | PVC DN 110  | 101,60 | 115,34   | PC1516 | PC1517 |
| PL1539 | PVC DN 225  | 207,80 | 88,80    | PC1516 | PC1518 |
| PL154  | PEHD DN 110 | 96,80  | 394,22   | PC153  | PC154  |
| PL1540 | PVC DN 225  | 207,80 | 43,38    | PC1518 | PC1519 |
| PL1541 | PVC DN 110  | 101,60 | 205,40   | PC1518 | PC1520 |
| PL1542 | PVC DN 110  | 101,60 | 18,71    | PC1521 | PC1520 |
| PL1543 | PVC DN 110  | 101,60 | 133,41   | PC1519 | PC1521 |
| PL1544 | PVC DN 160  | 147,60 | 165,57   | PC1519 | PC1522 |
| PL1545 | PVC DN 160  | 147,60 | 249,84   | PC1511 | PC1523 |
| PL1546 | PVC DN 160  | 147,60 | 126,90   | PC1523 | PC1524 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>53/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |               |        |          |         |         |
|---------|---------------|--------|----------|---------|---------|
| PL1547  | PVC DN 160    | 147,60 | 191,91   | PC1525  | PC1523  |
| PL1548  | PVC DN 160    | 147,60 | 266,97   | PC1527  | PC1526  |
| PL1549  | PVC DN 160    | 147,60 | 13,35    | PC1522  | PC1527  |
| PL155   | PEHD DN 110   | 96,80  | 37,17    | PC154   | PC155   |
| PL156   | PEHD DN 110   | 96,80  | 153,62   | PC155   | PC156   |
| PL1560  | PVC DN 160    | 147,60 | 96,15    | PC1528  | PC1527  |
| PL1561  | PVC DN 110    | 101,60 | 157,91   | PC1528  | PC1529  |
| PL1562  | PVC DN 160    | 147,60 | 84,19    | PC1530  | PC1528  |
| PL1563  | PVC DN 110    | 101,60 | 207,88   | PC1530  | PC1531  |
| PL1564  | PVC DN 110    | 101,60 | 56,45    | PC1526  | PC1530  |
| PL1565  | PVC DN 110    | 101,60 | 402,78   | PC1526  | PC1532  |
| PL1566  | PVC DN 110    | 101,60 | 273,17   | PC1522  | PC1533  |
| PL1567  | PVC DN 225    | 207,80 | 965,34   | PC1534  | PC1522  |
| PL1568  | DUCTIL DN 400 | 402,80 | 1.399,76 | PC1534A | PC1400A |
| PL1569  | PVC DN 225    | 207,80 | 194,47   | PC1534  | PC1535  |
| PL157   | PEHD DN 110   | 96,80  | 33,59    | PC155   | PC157   |
| PL1570  | PVC DN 400    | 369,20 | 1.408,93 | PC1535  | PC1401  |
| PL1571  | PEHD DN 225   | 198,20 | 574,56   | PC1536  | PC1535  |
| PL1572  | PEHD DN 110   | 96,80  | 284,90   | PC1538  | PC1537  |
| PL1573  | PEHD DN 110   | 96,80  | 14,97    | PC1539  | PC1537  |
| PL1573A | PEHD DN 110   | 96,80  | 23,29    | PC1537  | PC1536  |
| PL1574  | PVC DN 110    | 101,60 | 408,15   | PC1539  | PC1540  |
| PL1575  | PEHD DN 225   | 198,20 | 242,15   | PC1541  | PC1536  |
| PL1576  | PEHD DN 110   | 96,80  | 80,05    | PC1542  | PC1539  |
| PL1577  | PEHD DN 110   | 96,80  | 149,39   | PC1542  | PC1543  |
| PL1578  | PVC DN 110    | 101,60 | 219,05   | PC1542  | PC1544  |
| PL1579  | PEHD DN 63    | 55,40  | 46,38    | PC1544  | PC1545  |
| PL158   | PEHD DN 63    | 55,40  | 104,40   | PC157   | PC158   |
| PL1580  | PVC DN 110    | 101,60 | 222,43   | PC1544  | PC1546  |
| PL1581  | PVC DN 160    | 147,60 | 21,52    | PC1543  | PC1541  |
| PL1582  | PVC DN 160    | 147,60 | 188,86   | PC1541  | PC1547  |
| PL1583  | PVC DN 160    | 147,60 | 317,09   | PC1547  | PC1548  |
| PL1584  | PEHD DN 160   | 141,00 | 14,70    | PC1548  | PC1549  |
| PL1585  | PEHD DN 63    | 141,00 | 113,50   | PC1549  | PC1550  |
| PL1586  | PVC DN 225    | 207,80 | 212,58   | PC1550  | PC1551  |
| PL1587  | PEHD DN 225   | 198,20 | 115,42   | PC1551  | PC1552  |
| PL1588  | PEHD DN 160   | 141,00 | 191,92   | PC1552  | PC1553  |
| PL1589  | PEHD DN 225   | 198,20 | 449,59   | PC1552  | PC1554  |
| PL159   | PEHD DN 110   | 96,80  | 1.147,98 | PC157   | PC159   |
| PL1590  | PEHD DN 225   | 198,20 | 7,20     | PC1554  | PC1555  |
| PL1591  | PVC DN 110    | 101,60 | 198,23   | PC1549  | PC1556  |
| PL1592  | PVC DN 110    | 101,60 | 150,95   | PC1556  | PC1557  |
| PL1593  | PVC DN 110    | 101,60 | 88,78    | PC1556  | PC1558  |
| PL1594  | PEHD DN 160   | 141,00 | 117,66   | PC1558  | PC1548  |
| PL1595  | PEHD DN 160   | 141,00 | 58,31    | PC1559  | PC1558  |
| PL1596  | PEHD DN 160   | 141,00 | 53,65    | PC1559  | PC1560  |
| PL1597  | PEHD DN 160   | 141,00 | 128,90   | PC1561  | PC1559  |
| PL1598  | PEHD DN 160   | 141,00 | 67,61    | PC1562  | PC1561  |
| PL1599  | PVC DN 160    | 147,60 | 101,55   | PC1564  | PC1562  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>54/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|          |               |        |        |         |         |
|----------|---------------|--------|--------|---------|---------|
| PL16     | PEHD DN 50    | 44,00  | 60,64  | PC14    | PC16    |
| PL160    | PEHD DN 110   | 96,80  | 281,16 | PC154   | PC160   |
| PL1600   | PEHD DN 63    | 55,40  | 66,24  | PC1565  | PC1563  |
| PL1601   | PEHD DN 63    | 55,40  | 2,00   | PC1564  | PC1565  |
| PL1602   | PEHD DN 63    | 55,40  | 25,52  | PC1566  | PC1565  |
| PL1603   | PVC DN 160    | 147,60 | 31,82  | PC1567  | PC1564  |
| PL1604   | PVC DN 160    | 147,60 | 147,87 | PC1547  | PC1567  |
| PL1605   | PVC DN 225    | 207,80 | 36,51  | PC1568  | PC1567  |
| PL1606   | PEHD DN 63    | 55,40  | 2,07   | PC1568  | PC1569  |
| PL1607   | PEHD DN 63    | 55,40  | 27,42  | PC1569  | PC1570  |
| PL1608   | PEHD DN 63    | 55,40  | 47,29  | PC1571  | PC1569  |
| PL1609   | PVC DN 225    | 207,80 | 53,68  | PC1572  | PC1568  |
| PL161    | PEHD DN 110   | 96,80  | 765,46 | PC153   | PC161   |
| PL1610   | PEHD DN 160   | 141,00 | 11,56  | PC1572  | PC1573  |
| PL1611   | PEHD DN 225   | 198,20 | 226,99 | PC1572  | PC1541  |
| PL1612   | PEHD DN 110   | 96,80  | 243,04 | PC1543  | PC1573  |
| PL1613   | PVC DN 110    | 101,60 | 791,37 | PC1573  | PC1574  |
| PL1614   | PVC DN 110    | 101,60 | 162,73 | PC1574  | PC1575  |
| PL1615   | PVC DN 160    | 147,60 | 96,26  | PC1575  | PC1576  |
| PL1616   | PVC DN 160    | 147,60 | 135,45 | PC1575  | PC1577  |
| PL1617   | AC DN 600     | 600,00 | 694,79 | PC1578  | PC1577  |
| PL1618   | PVC DN 400    | 369,20 | 129,06 | PC1579  | PC1578  |
| PL1619A  | DUCTIL DN 300 | 301,60 | 65,18  | PC1580A | PC1579A |
| PL162    | PEHD DN 90    | 79,20  | 569,50 | PC161   | PC162   |
| PL1620   | DUCTIL DN 300 | 301,60 | 36,37  | PC1582  | PC1580A |
| PL1621A  | DUCTIL DN 400 | 402,80 | 7,12   | PC1580B | PC1581  |
| PL1622   | DUCTIL DN 300 | 301,60 | 149,44 | PC1583  | PC1580  |
| PL1623A  | PVC DN 400    | 369,20 | 332,72 | PC1584  | PC1579  |
| PL1624   | DUCTIL DN 400 | 402,80 | 155,51 | PC1585  | PC1584  |
| PL1625   | DUCTIL DN 300 | 301,60 | 47,71  | PC1586  | PC1585  |
| PL1626   | PVC DN 400    | 369,20 | 150,13 | PC1587  | PC1584  |
| PL1627   | PVC DN 315    | 290,80 | 15,58  | PC1588  | PC1587  |
| PL1628   | PVC DN 315    | 290,80 | 60,76  | PC1587  | PC1589  |
| PL1629   | PVC DN 315    | 290,80 | 111,75 | PC1590  | PC1589  |
| PL163    | PEHD DN 63    | 55,40  | 283,08 | PC162   | PC163   |
| PL1630A  | PVC DN 315    | 290,80 | 155,35 | PC1589  | PC1591  |
| PL1631   | PVC DN 280    | 258,60 | 151,69 | PC1592  | PC1591  |
| PL1632   | PVC DN 280    | 258,60 | 14,00  | PC1591  | PC1593  |
| PL1633   | PVC DN 315    | 290,80 | 28,20  | PC1594  | PC1593  |
| PL1634A  | PVC DN 315    | 290,80 | 14,00  | PC1591  | PC1593  |
| PL1635   | DUCTIL DN 250 | 250,40 | 4,14   | PC1595  | PC1596  |
| PL1636   | PVC DN 400    | 369,20 | 249,06 | PC1593  | PC1578  |
| PL1637   | DUCTIL DN 400 | 402,80 | 120,10 | PC1581  | PC1597  |
| PL1637A  | DUCTIL DN 400 | 402,80 | 119,06 | PC1579  | PC1598  |
| PL1638   | PVC DN 400    | 369,20 | 637,23 | PC1598  | PC1599  |
| PL1638AB | DUCTIL DN 400 | 402,80 | 614,60 | PC1597  | PC1534A |
| PL1639   | PVC DN 400    | 369,20 | 16,26  | PC1599  | PC1535  |
| PL164    | PVC DN 110    | 101,60 | 898,84 | PC164   | PC152   |
| PL1640   | AC DN 600     | 600,00 | 21,03  | PC1577  | PC1600  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>55/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL1641  | PVC DN 160  | 147,60 | 293,16   | PC1601 | PC1600 |
| PL1642  | PVC DN 160  | 147,60 | 8,97     | PC1602 | PC1601 |
| PL1642A | PVC DN 160  | 147,60 | 12,28    | PC1574 | PC1602 |
| PL1643  | PVC DN 110  | 101,60 | 125,82   | PC1601 | PC1603 |
| PL1644  | PVC DN 110  | 101,60 | 53,02    | PC1603 | PC1604 |
| PL1645  | PVC DN 110  | 101,60 | 252,08   | PC1603 | PC1605 |
| PL1646  | PVC DN 160  | 147,60 | 401,82   | PC1606 | PC1602 |
| PL1647  | PVC DN 110  | 101,60 | 299,10   | PC1606 | PC1607 |
| PL1648  | PVC DN 160  | 147,60 | 73,28    | PC1608 | PC1606 |
| PL1649  | PVC DN 160  | 147,60 | 186,76   | PC1609 | PC1608 |
| PL165   | PVC DN 160  | 147,60 | 1.280,77 | PC165  | PC152  |
| PL1650  | PVC DN 110  | 101,60 | 6,80     | PC1610 | PC1609 |
| PL1651  | PEHD DN 110 | 96,80  | 49,87    | PC1609 | PC1611 |
| PL1652  | PEHD DN 110 | 96,80  | 8,37     | PC1611 | PC1612 |
| PL1653  | PEHD DN 110 | 96,80  | 30,78    | PC1611 | PC1613 |
| PL1654  | PEHD DN 63  | 55,40  | 119,40   | PC1614 | PC1613 |
| PL1655  | PEHD DN 110 | 96,80  | 494,52   | PC1613 | PC1615 |
| PL1656  | PVC DN 160  | 147,60 | 140,59   | PC1615 | PC1616 |
| PL1657  | PVC DN 160  | 147,60 | 40,34    | PC1616 | PC1617 |
| PL1658  | PVC DN 225  | 207,80 | 109,02   | PC1617 | PC1618 |
| PL1659  | PVC DN 110  | 101,60 | 411,69   | PC1618 | PC1619 |
| PL166   | PEHD DN 32  | 28,20  | 188,48   | PC167  | PC166  |
| PL1660  | PVC DN 225  | 207,80 | 18,91    | PC1618 | PC1620 |
| PL1661  | PVC DN 225  | 207,80 | 92,25    | PC1620 | PC1621 |
| PL1661A | PEHD DN 63  | 55,40  | 84,90    | PC1622 | PC1623 |
| PL1662  | PEHD DN 63  | 55,40  | 2,00     | PC1621 | PC1622 |
| PL1663  | PEHD DN 63  | 55,40  | 77,53    | PC1624 | PC1622 |
| PL1663A | PVC DN 225  | 207,80 | 84,20    | PC1621 | PC1626 |
| PL1664  | PVC DN 225  | 207,80 | 49,17    | PC1626 | PC1629 |
| PL1664A | PEHD DN 63  | 55,40  | 41,59    | PC1628 | PC1627 |
| PL1665  | PEHD DN 63  | 55,40  | 2,02     | PC1629 | PC1628 |
| PL1666  | PVC DN 225  | 207,80 | 166,91   | PC1629 | PC1562 |
| PL1666A | PEHD DN 63  | 55,40  | 101,71   | PC1630 | PC1628 |
| PL1667  | PVC DN 160  | 147,60 | 142,00   | PC1631 | PC1561 |
| PL1668  | PVC DN 110  | 101,60 | 71,49    | PC1631 | PC1632 |
| PL1669  | PVC DN 110  | 101,60 | 136,71   | PC1632 | PC1626 |
| PL1670  | PVC DN 110  | 101,60 | 229,44   | PC1632 | PC1633 |
| PL1671  | PVC DN 160  | 147,60 | 61,70    | PC1634 | PC1633 |
| PL1672  | PVC DN 160  | 147,60 | 88,19    | PC1620 | PC1634 |
| PL1673  | PEHD DN 63  | 55,40  | 27,61    | PC1634 | PC1638 |
| PL1674  | PEHD DN 63  | 55,40  | 45,13    | PC1638 | PC1636 |
| PL1675  | PEHD DN 63  | 55,40  | 39,42    | PC1635 | PC1636 |
| PL1676  | PEHD DN 63  | 55,40  | 42,37    | PC1636 | PC1637 |
| PL1677  | PEHD DN 63  | 55,40  | 74,50    | PC1639 | PC1638 |
| PL1678  | PVC DN 160  | 147,60 | 72,67    | PC1633 | PC1640 |
| PL1679  | PVC DN 110  | 101,60 | 12,73    | PC1640 | PC1641 |
| PL1680  | PVC DN 160  | 147,60 | 37,38    | PC1640 | PC1642 |
| PL1681  | PVC DN 110  | 101,60 | 239,21   | PC1642 | PC1643 |
| PL1682  | PVC DN 160  | 147,60 | 125,40   | PC1643 | PC1631 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>56/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL1683  | PVC DN 160  | 147,60 | 128,78 | PC1644 | PC1643 |
| PL1684  | PVC DN 110  | 101,60 | 76,64  | PC1644 | PC1645 |
| PL1685  | PVC DN 160  | 147,60 | 164,81 | PC1644 | PC1646 |
| PL1686  | PVC DN 110  | 101,60 | 110,38 | PC1647 | PC1646 |
| PL1687  | PVC DN 110  | 101,60 | 112,51 | PC1648 | PC1647 |
| PL1688  | PEHD DN 160 | 141,00 | 421,15 | PC1649 | PC1647 |
| PL1689  | PVC DN 110  | 101,60 | 371,72 | PC1650 | PC1649 |
| PL169   | PEHD DN 63  | 55,40  | 305,69 | PC168  | PC167  |
| PL1690  | PVC DN 110  | 101,60 | 459,09 | PC1650 | PC1642 |
| PL1691  | PVC DN 110  | 101,60 | 120,58 | PC1649 | PC1651 |
| PL1692  | PVC DN 110  | 101,60 | 312,12 | PC1652 | PC1651 |
| PL1693  | PVC DN 160  | 147,60 | 221,50 | PC1653 | PC1652 |
| PL1694  | PEHD DN 160 | 141,00 | 328,03 | PC1654 | PC1661 |
| PL1695  | PVC DN 110  | 101,60 | 62,29  | PC1654 | PC1650 |
| PL1696  | PVC DN 160  | 147,60 | 236,41 | PC1655 | PC1652 |
| PL1697  | PVC DN 160  | 147,60 | 198,45 | PC1656 | PC1655 |
| PL1698  | PVC DN 160  | 147,60 | 107,66 | PC1657 | PC1655 |
| PL1699  | PVC DN 110  | 101,60 | 67,91  | PC1657 | PC1658 |
| PL17    | PVC DN 63   | 57,00  | 122,33 | PC17   | PC13   |
| PL170   | PEHD DN 90  | 79,20  | 772,56 | PC169  | PC168  |
| PL1700  | PVC DN 110  | 101,60 | 249,79 | PC1657 | PC1659 |
| PL1701  | PVC DN 160  | 147,60 | 103,48 | PC1660 | PC1657 |
| PL1702  | PEHD DN 160 | 141,00 | 93,00  | PC1661 | PC1660 |
| PL1703  | PVC DN 110  | 101,60 | 324,58 | PC1662 | PC1660 |
| PL1704  | PVC DN 110  | 101,60 | 248,87 | PC1663 | PC1662 |
| PL1705  | PVC DN 110  | 101,60 | 228,51 | PC1664 | PC1663 |
| PL1706  | PVC DN 110  | 101,60 | 462,34 | PC1665 | PC1664 |
| PL1706A | PEHD DN 63  | 55,40  | 98,98  | PC1667 | PC1666 |
| PL1707  | PEHD DN 63  | 55,40  | 15,85  | PC1665 | PC1666 |
| PL1708  | PEHD DN 63  | 55,40  | 157,45 | PC1666 | PC1668 |
| PL1709  | PVC DN 110  | 101,60 | 217,78 | PC1669 | PC1665 |
| PL171   | PEHD DN 110 | 96,80  | 557,66 | PC170  | PC169  |
| PL1710  | PEHD DN 63  | 55,40  | 16,41  | PC1669 | PC1670 |
| PL1711  | PEHD DN 63  | 55,40  | 19,35  | PC1671 | PC1670 |
| PL1712  | PEHD DN 63  | 55,40  | 58,16  | PC1670 | PC1672 |
| PL1713  | PVC DN 110  | 101,60 | 50,94  | PC1617 | PC1669 |
| PL1714  | PVC DN 160  | 147,60 | 408,35 | PC1673 | PC1616 |
| PL1715  | PVC DN 110  | 101,60 | 217,41 | PC1673 | PC1674 |
| PL1716  | PEHD DN 63  | 55,40  | 57,49  | PC1674 | PC1675 |
| PL1717  | PVC DN 160  | 147,60 | 198,55 | PC1673 | PC1676 |
| PL1718  | PVC DN 110  | 101,60 | 78,37  | PC1676 | PC1677 |
| PL1719  | PVC DN 110  | 101,60 | 74,91  | PC1677 | PC1678 |
| PL172   | PEHD DN 32  | 28,20  | 58,96  | PC170  | PC171  |
| PL1720  | PVC DN 110  | 101,60 | 181,36 | PC1677 | PC1679 |
| PL1721  | PVC DN 110  | 101,60 | 510,60 | PC1616 | PC1679 |
| PL1722  | PVC DN 110  | 101,60 | 224,79 | PC1679 | PC1680 |
| PL1723  | PVC DN 160  | 147,60 | 268,67 | PC1680 | PC1681 |
| PL1724  | PVC DN 160  | 147,60 | 149,88 | PC1681 | PC1615 |
| PL1725  | PVC DN 160  | 147,60 | 226,03 | PC1682 | PC1681 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|---|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>57/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL1726 | PVC DN 110    | 101,60 | 318,42   | PC1682 | PC1683 |
| PL1727 | PVC DN 160    | 147,60 | 421,82   | PC1608 | PC1682 |
| PL1728 | AC DN 600     | 600,00 | 1.058,88 | PC1600 | PC1684 |
| PL1729 | PVC DN 160    | 147,60 | 257,73   | PC1684 | PC1680 |
| PL173  | PVC DN 90     | 81,40  | 410,38   | PC172  | PC170  |
| PL1730 | DUCTIL DN 600 | 600,00 | 2,84     | PC1684 | PC1685 |
| PL1731 | DUCTIL DN 600 | 600,00 | 602,09   | PC1685 | PC1686 |
| PL1732 | DUCTIL DN 500 | 500,00 | 620,39   | PC1686 | PC1687 |
| PL1733 | PEHD DN 160   | 141,00 | 224,44   | PC1688 | PC1687 |
| PL1734 | PVC DN 110    | 101,60 | 31,72    | PC1690 | PC1689 |
| PL1735 | PVC DN 110    | 101,60 | 45,69    | PC1691 | PC1690 |
| PL1736 | PEHD DN 160   | 141,00 | 160,44   | PC1691 | PC1692 |
| PL1737 | PEHD DN 160   | 141,00 | 199,90   | PC1691 | PC1693 |
| PL1738 | PVC DN 110    | 101,60 | 158,17   | PC1663 | PC1691 |
| PL1739 | PVC DN 160    | 147,60 | 397,18   | PC1694 | PC1664 |
| PL173A | PVC DN 90     | 81,40  | 520,14   | PC27   | PC172A |
| PL174  | PEHD DN 63    | 55,40  | 371,66   | PC167  | PC173A |
| PL1740 | DUCTIL DN 500 | 500,00 | 459,83   | PC1687 | PC1695 |
| PL1741 | DUCTIL DN 500 | 500,00 | 284,45   | PC1696 | PC1695 |
| PL1742 | PVC DN 160    | 147,60 | 141,18   | PC1642 | PC1646 |
| PL1743 | DUCTIL DN 250 | 250,40 | 1.254,74 | PC1596 | PC1697 |
| PL1744 | DUCTIL DN 250 | 250,40 | 183,84   | PC1697 | PC1698 |
| PL1745 | DUCTIL DN 250 | 250,40 | 230,19   | PC1698 | PC1699 |
| PL1746 | DUCTIL DN 250 | 250,40 | 147,46   | PC1699 | PC1700 |
| PL1747 | DUCTIL DN 250 | 250,40 | 630,89   | PC1700 | PC1701 |
| PL1748 | DUCTIL DN 250 | 250,40 | 1.029,67 | PC1701 | PC1729 |
| PL1749 | PVC DN 110    | 101,60 | 270,95   | PC1702 | PC1697 |
| PL174A | PEHD DN 63    | 55,40  | 50,00    | PC173B | PC173  |
| PL175  | PEHD DN 110   | 96,80  | 147,74   | PC174  | PC175  |
| PL1750 | PVC DN 110    | 101,60 | 281,46   | PC1703 | PC1702 |
| PL1751 | PVC DN 110    | 101,60 | 393,07   | PC1704 | PC1703 |
| PL1752 | PVC DN 110    | 101,60 | 195,86   | PC1705 | PC1704 |
| PL1753 | PVC DN 110    | 101,60 | 174,29   | PC1705 | PC1706 |
| PL1754 | PVC DN 110    | 101,60 | 216,53   | PC1706 | PC1707 |
| PL1755 | PVC DN 110    | 101,60 | 95,32    | PC1707 | PC1708 |
| PL1756 | PVC DN 110    | 101,60 | 205,25   | PC1707 | PC1709 |
| PL1757 | PVC DN 110    | 101,60 | 105,17   | PC1710 | PC1706 |
| PL1758 | PVC DN 110    | 101,60 | 80,61    | PC1710 | PC1711 |
| PL1759 | PVC DN 110    | 101,60 | 11,74    | PC1711 | PC1712 |
| PL176  | PEHD DN 110   | 96,80  | 34,73    | PC175  | PC176  |
| PL1760 | PVC DN 110    | 101,60 | 183,23   | PC1704 | PC1711 |
| PL1761 | PVC DN 110    | 101,60 | 95,47    | PC1711 | PC1713 |
| PL1762 | PVC DN 110    | 101,60 | 111,02   | PC1713 | PC1714 |
| PL1763 | PVC DN 110    | 101,60 | 59,33    | PC1715 | PC1713 |
| PL1764 | PVC DN 110    | 101,60 | 187,18   | PC1716 | PC1715 |
| PL1765 | PVC DN 110    | 101,60 | 336,94   | PC1702 | PC1715 |
| PL1766 | PVC DN 110    | 101,60 | 307,84   | PC1710 | PC1718 |
| PL1767 | PVC DN 110    | 101,60 | 670,91   | PC1717 | PC1718 |
| PL1768 | PVC DN 110    | 101,60 | 204,32   | PC1702 | PC1717 |

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                  |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing.grad. |                   |          |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>58/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL1769  | PVC DN 110    | 101,60 | 685,80   | PC1718 | PC1719 |
| PL177   | PEHD DN 40    | 35,20  | 78,31    | PC176  | PC177  |
| PL1770  | PVC DN 110    | 101,60 | 545,43   | PC1719 | PC1720 |
| PL1771  | PVC DN 110    | 101,60 | 308,47   | PC1720 | PC1721 |
| PL1772  | PVC DN 110    | 101,60 | 343,60   | PC1721 | PC1717 |
| PL1773  | PVC DN 110    | 101,60 | 245,67   | PC1721 | PC1722 |
| PL1774  | PVC DN 110    | 101,60 | 223,24   | PC1723 | PC1719 |
| PL1775  | PVC DN 110    | 101,60 | 233,45   | PC1723 | PC1724 |
| PL1776  | PEHD DN 63    | 55,40  | 231,57   | PC1725 | PC1724 |
| PL1777  | PVC DN 280    | 258,60 | 227,86   | PC1725 | PC1727 |
| PL1778  | PVC DN 280    | 258,60 | 20,11    | PC1726 | PC1725 |
| PL1779  | PVC DN 110    | 101,60 | 149,06   | PC1720 | PC1726 |
| PL178   | PEHD DN 110   | 96,80  | 200,52   | PC176  | PC178  |
| PL1780  | PVC DN 110    | 101,60 | 796,32   | PC1728 | PC1726 |
| PL1781  | PEHD DN 160   | 141,00 | 118,50   | PC1729 | PC1728 |
| PL1782  | PVC DN 280    | 258,60 | 924,33   | PC1727 | PC1730 |
| PL1783  | DUCTIL DN 250 | 250,40 | 251,07   | PC1729 | PC1730 |
| PL1784  | PEHD DN 225   | 198,20 | 491,41   | PC1730 | PC1731 |
| PL1785  | PEHD DN 225   | 198,20 | 181,00   | PC1731 | PC1732 |
| PL1786  | PEHD DN 225   | 198,20 | 206,04   | PC1732 | PC1733 |
| PL1787  | PEHD DN 225   | 198,20 | 11,36    | PC1731 | PC1733 |
| PL1788  | PEHD DN 225   | 198,20 | 78,25    | PC1733 | PC1734 |
| PL1789  | PVC DN 110    | 101,60 | 95,81    | PC1735 | PC1734 |
| PL179   | PEHD DN 110   | 96,80  | 267,43   | PC175  | PC179  |
| PL1790  | PVC DN 110    | 101,60 | 91,97    | PC1735 | PC1736 |
| PL1791  | PVC DN 125    | 115,40 | 265,09   | PC1737 | PC1735 |
| PL1791A | PVC DN 160    | 147,60 | 140,27   | PC1737 | PC1738 |
| PL1792  | PVC DN 160    | 147,60 | 232,83   | PC1738 | PC1739 |
| PL1793  | PVC DN 110    | 101,60 | 143,88   | PC1739 | PC1740 |
| PL1794  | PVC DN 110    | 101,60 | 21,02    | PC1740 | PC1741 |
| PL1795  | PVC DN 110    | 101,60 | 284,34   | PC1741 | PC1742 |
| PL1796  | PVC DN 160    | 147,60 | 20,61    | PC1738 | PC1743 |
| PL1797  | PVC DN 110    | 101,60 | 235,68   | PC1743 | PC1744 |
| PL1798  | PVC DN 110    | 101,60 | 88,96    | PC1744 | PC1745 |
| PL1799  | PVC DN 160    | 147,60 | 110,05   | PC1743 | PC1746 |
| PL18    | PEHD DN 63    | 57,00  | 434,48   | PC18   | PC17   |
| PL180   | PEHD DN 63    | 55,40  | 56,96    | PC179  | PC180  |
| PL1800  | PVC DN 110    | 101,60 | 96,53    | PC1746 | PC1747 |
| PL1800A | PVC DN 110    | 101,60 | 234,75   | PC1746 | PC1748 |
| PL1800B | PVC DN 110    | 101,60 | 54,41    | PC1748 | PC1749 |
| PL1801  | PVC DN 160    | 147,60 | 86,69    | PC1746 | PC1750 |
| PL1802  | PVC DN 110    | 101,60 | 79,47    | PC1750 | PC1751 |
| PL1803  | PVC DN 110    | 101,60 | 93,58    | PC1750 | PC1752 |
| PL1804  | PVC DN 110    | 101,60 | 220,34   | PC1753 | PC1752 |
| PL1805  | PVC DN 110    | 101,60 | 318,06   | PC1750 | PC1753 |
| PL1806  | PVC DN 160    | 147,60 | 275,31   | PC1754 | PC1737 |
| PL1807  | PVC DN 280    | 258,60 | 30,36    | PC1755 | PC1754 |
| PL1808  | DUCTIL DN 250 | 250,40 | 152,34   | PC1730 | PC1755 |
| PL1809  | DUCTIL DN 250 | 250,40 | 1.440,40 | PC1755 | PC1756 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>59/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL181   | PEHD DN 63    | 55,40  | 29,23    | PC180  | PC181  |
| PL1810  | DUCTIL DN 250 | 250,40 | 895,28   | PC1756 | PC1757 |
| PL1811  | DUCTIL DN 250 | 250,40 | 38,82    | PC1758 | PC1757 |
| PL1812  | DUCTIL DN 250 | 250,40 | 361,33   | PC1759 | PC1758 |
| PL1812A | PEHD DN 63    | 55,40  | 374,96   | PC1760 | PC1758 |
| PL1813  | PEHD DN 63    | 55,40  | 16,59    | PC1759 | PC1760 |
| PL1814  | DUCTIL DN 250 | 250,40 | 449,15   | PC1761 | PC1759 |
| PL1815  | PEHD DN 63    | 55,40  | 697,19   | PC1763 | PC1760 |
| PL1816  | PEHD DN 110   | 96,80  | 1.110,42 | PC1757 | PC1765 |
| PL1817  | PEHD DN 63    | 55,40  | 93,56    | PC1761 | PC1762 |
| PL1818  | DUCTIL DN 250 | 250,40 | 261,80   | PC1766 | PC1761 |
| PL1819  | PEHD DN 63    | 55,40  | 14,19    | PC1764 | PC1763 |
| PL182   | PEHD DN 40    | 35,20  | 73,80    | PC180  | PC182  |
| PL1820  | DUCTIL DN 250 | 250,40 | 0,65     | PC1765 | PC1766 |
| PL1821  | PVC DN 110    | 101,60 | 16,32    | PC1767 | PC1768 |
| PL1822  | DUCTIL DN 250 | 250,40 | 31,41    | PC1768 | PC1766 |
| PL1822A | DUCTIL DN 250 | 250,40 | 27,72    | PC1777 | PC1768 |
| PL1823  | PVC DN 110    | 101,60 | 342,52   | PC1769 | PC1767 |
| PL1824  | PVC DN 110    | 101,60 | 148,34   | PC1769 | PC1770 |
| PL1825  | PVC DN 110    | 101,60 | 417,35   | PC1770 | PC1771 |
| PL1826  | PVC DN 110    | 101,60 | 904,12   | PC1770 | PC1772 |
| PL1827  | PVC DN 63     | 57,00  | 183,40   | PC1772 | PC1773 |
| PL1828  | PVC DN 110    | 101,60 | 83,15    | PC1772 | PC1774 |
| PL1829  | PVC DN 63     | 57,00  | 115,05   | PC1776 | PC1774 |
| PL183   | PEHD DN 110   | 96,80  | 139,63   | PC183  | PC179  |
| PL1830  | PVC DN 63     | 57,00  | 102,87   | PC1774 | PC1775 |
| PL1831  | PVC DN 110    | 110,20 | 12,31    | PC1765 | PC1767 |
| PL1832  | PEHD DN 63    | 55,40  | 10,15    | PC1778 | PC1777 |
| PL1833  | DUCTIL DN 250 | 250,40 | 108,25   | PC1777 | PC1779 |
| PL1834  | PEHD DN 110   | 96,80  | 109,14   | PC1780 | PC1777 |
| PL1835  | PVC DN 110    | 101,60 | 223,18   | PC1779 | PC1781 |
| PL1836  | PEHD DN 63    | 55,40  | 106,86   | PC1781 | PC1782 |
| PL1837  | PVC DN 110    | 101,60 | 204,68   | PC1781 | PC1783 |
| PL1838  | PEHD DN 63    | 55,40  | 267,23   | PC1784 | PC1778 |
| PL1839  | PEHD DN 110   | 96,80  | 438,72   | PC1780 | PC1787 |
| PL184   | PEHD DN 110   | 96,80  | 506,95   | PC183  | PC184  |
| PL1840  | DUCTIL DN 250 | 250,40 | 314,94   | PC1779 | PC1785 |
| PL1841  | PEHD DN 63    | 55,40  | 141,55   | PC1786 | PC1784 |
| PL1841A | PEHD DN 63    | 55,40  | 11,00    | PC1786 | PC1785 |
| PL1842  | PEHD DN 63    | 55,40  | 128,62   | PC1788 | PC1786 |
| PL1843  | PEHD DN 63    | 55,40  | 190,50   | PC1789 | PC1788 |
| PL1844  | DUCTIL DN 250 | 250,40 | 123,63   | PC1785 | PC1787 |
| PL1845  | DUCTIL DN 250 | 250,40 | 467,88   | PC1787 | PC1790 |
| PL1846  | PVC DN 110    | 101,60 | 18,98    | PC1791 | PC1790 |
| PL1847  | PVC DN 110    | 101,60 | 218,13   | PC1791 | PC1792 |
| PL1848  | PVC DN 160    | 147,60 | 113,44   | PC1790 | PC1793 |
| PL1849  | PVC DN 110    | 101,60 | 232,66   | PC1793 | PC1794 |
| PL185   | PEHD DN 110   | 96,80  | 385,23   | PC185  | PC183  |
| PL1850  | PVC DN 110    | 101,60 | 467,02   | PC1793 | PC1795 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>60/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL1851 | PVC DN 110    | 101,60 | 275,73   | PC1794 | PC1795 |
| PL1852 | PVC DN 110    | 101,60 | 119,51   | PC1794 | PC1796 |
| PL1853 | PVC DN 110    | 101,60 | 316,00   | PC1795 | PC1796 |
| PL1854 | PVC DN 110    | 101,60 | 186,54   | PC1796 | PC1797 |
| PL1855 | DUCTIL DN 250 | 250,40 | 1,08     | PC1790 | PC1798 |
| PL1856 | PEHD DN 63    | 55,40  | 151,74   | PC1790 | PC1799 |
| PL1857 | PEHD DN 110   | 96,80  | 262,02   | PC1798 | PC1804 |
| PL1858 | DUCTIL DN 250 | 250,40 | 142,97   | PC1798 | PC1800 |
| PL1859 | PEHD DN 63    | 55,40  | 8,76     | PC1799 | PC1800 |
| PL186  | PEHD DN 110   | 96,80  | 326,13   | PC186  | PC185A |
| PL1860 | PEHD DN 63    | 55,40  | 4,06     | PC1800 | PC1801 |
| PL1861 | DUCTIL DN 250 | 250,40 | 31,79    | PC1800 | PC1802 |
| PL1862 | PEHD DN 63    | 55,40  | 113,60   | PC1799 | PC1803 |
| PL1863 | DUCTIL DN 250 | 250,40 | 121,90   | PC1802 | PC1806 |
| PL1864 | PEHD DN 63    | 55,40  | 6,87     | PC1803 | PC1804 |
| PL1865 | PEHD DN 63    | 55,40  | 2,22     | PC1804 | PC1805 |
| PL1866 | PEHD DN 110   | 96,80  | 37,82    | PC1804 | PC1806 |
| PL1867 | DUCTIL DN 250 | 250,40 | 919,12   | PC1806 | PC1807 |
| PL1868 | DUCTIL DN 250 | 250,40 | 416,50   | PC1807 | PC1808 |
| PL1869 | DUCTIL DN 250 | 250,40 | 317,91   | PC1808 | PC1809 |
| PL187  | PEHD DN 110   | 96,80  | 569,80   | PC186  | PC189  |
| PL1870 | PEHD DN 110   | 96,80  | 318,21   | PC1808 | PC1810 |
| PL1871 | PEHD DN 110   | 96,80  | 0,58     | PC1810 | PC1809 |
| PL1872 | PEHD DN 110   | 96,80  | 11,35    | PC1810 | PC1811 |
| PL1873 | PEHD DN 110   | 96,80  | 8,68     | PC1811 | PC1812 |
| PL1874 | PVC DN 110    | 101,60 | 87,07    | PC1812 | PC1813 |
| PL1875 | DUCTIL DN 250 | 250,40 | 35,31    | PC1809 | PC1814 |
| PL1876 | PEHD DN 160   | 141,00 | 4,21     | PC1815 | PC1814 |
| PL1877 | PVC DN 160    | 147,60 | 14,24    | PC1816 | PC1815 |
| PL1878 | PVC DN 160    | 147,60 | 502,88   | PC1816 | PC1817 |
| PL1879 | PVC DN 160    | 147,60 | 144,71   | PC1817 | PC1818 |
| PL188  | PEHD DN 75    | 66,00  | 103,35   | PC189  | PC190  |
| PL1880 | PVC DN 110    | 101,60 | 120,97   | PC1818 | PC1819 |
| PL1881 | PVC DN 160    | 147,60 | 406,33   | PC1818 | PC1820 |
| PL1882 | PVC DN 110    | 101,60 | 412,71   | PC1821 | PC1817 |
| PL1883 | PVC DN 110    | 101,60 | 202,26   | PC1820 | PC1821 |
| PL1884 | PVC DN 110    | 101,60 | 251,79   | PC1821 | PC1822 |
| PL1885 | PVC DN 110    | 101,60 | 127,99   | PC1820 | PC1823 |
| PL1886 | PEHD DN 63    | 55,40  | 25,01    | PC1823 | PC1824 |
| PL1887 | PEHD DN 63    | 55,40  | 79,17    | PC1824 | PC1825 |
| PL1888 | PEHD DN 63    | 55,40  | 33,44    | PC1824 | PC1826 |
| PL1889 | PVC DN 110    | 101,60 | 675,37   | PC1823 | PC1827 |
| PL189  | PEHD DN 32    | 28,20  | 148,32   | PC190  | PC191  |
| PL1890 | PVC DN 110    | 101,60 | 38,51    | PC1828 | PC1812 |
| PL1891 | DUCTIL DN 250 | 250,40 | 720,54   | PC1829 | PC1830 |
| PL1892 | PVC DN 280    | 258,60 | 593,84   | PC1831 | PC1832 |
| PL1893 | PVC DN 280    | 258,60 | 1.071,78 | PC1833 | PC2903 |
| PL1894 | PVC DN 110    | 101,60 | 244,62   | PC1834 | PC1828 |
| PL1895 | PVC DN 110    | 101,60 | 65,83    | PC1835 | PC1834 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>61/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |               |        |          |        |         |
|---------|---------------|--------|----------|--------|---------|
| PL1896  | PEHD DN 50    | 44,00  | 158,16   | PC1835 | PC1836  |
| PL1897  | PVC DN 110    | 101,60 | 92,40    | PC1837 | PC1835  |
| PL1898  | PVC DN 110    | 101,60 | 212,03   | PC1837 | PC1838  |
| PL1899  | PVC DN 110    | 101,60 | 269,88   | PC1839 | PC1837  |
| PL19    | PVC DN 90     | 81,40  | 239,13   | PC18   | PC18A   |
| PL190   | PEHD DN 32    | 28,20  | 300,35   | PC190  | PC192   |
| PL1900  | PVC DN 225    | 207,80 | 138,40   | PC1840 | PC1839  |
| PL1901  | PVC DN 160    | 147,60 | 427,71   | PC1834 | PC1840  |
| PL1902  | PEHD DN 225   | 198,20 | 234,20   | PC1830 | PC1840  |
| PL1903  | PVC DN 160    | 147,60 | 97,22    | PC1840 | PC1841  |
| PL1904  | PVC DN 110    | 101,60 | 102,43   | PC1841 | PC1842  |
| PL1905  | PVC DN 110    | 101,60 | 105,96   | PC1842 | PC1843  |
| PL1906  | PVC DN 110    | 101,60 | 83,00    | PC1842 | PC1844  |
| PL1907  | PVC DN 160    | 147,60 | 121,37   | PC1844 | PC1841  |
| PL1908  | PVC DN 160    | 147,60 | 144,17   | PC1844 | PC1845  |
| PL1909  | PVC DN 110    | 101,60 | 89,96    | PC1845 | PC1846  |
| PL191   | PEHD DN 110   | 96,80  | 956,55   | PC169  | PC188   |
| PL1910  | PVC DN 160    | 147,60 | 81,97    | PC1845 | PC1847  |
| PL1911  | PVC DN 110    | 101,60 | 108,08   | PC1847 | PC1848  |
| PL1912  | PVC DN 160    | 147,60 | 148,81   | PC1847 | PC1849  |
| PL1913  | PVC DN 110    | 101,60 | 61,06    | PC1849 | PC1850  |
| PL1914a | PEHD DN 160   | 147,60 | 58,02    | PC1849 | PC1833A |
| PL1915  | PVC DN 225    | 207,80 | 218,66   | PC1851 | PC1839  |
| PL1916  | PEHD DN 225   | 198,20 | 425,50   | PC1851 | PC1852  |
| PL1917  | PEHD DN 225   | 198,20 | 1.072,38 | PC1854 | PC1853  |
| PL1918  | PEHD DN 225   | 198,20 | 1.592,97 | PC1854 | PC1855  |
| PL1919  | PEHD DN 225   | 198,20 | 124,93   | PC1855 | PC1856  |
| PL192   | PEHD DN 110   | 96,80  | 63,45    | PC186  | PC187C  |
| PL1920  | PVC DN 110    | 101,60 | 208,88   | PC1857 | PC1856  |
| PL1921  | PVC DN 110    | 101,60 | 705,53   | PC1858 | PC1857  |
| PL1922  | PEHD DN 225   | 198,20 | 750,06   | PC1859 | PC1856  |
| PL1923  | PVC DN 110    | 101,60 | 226,34   | PC1859 | PC1858  |
| PL1924  | PEHD DN 110   | 96,80  | 571,21   | PC1860 | PC1858  |
| PL1925  | PEHD DN 160   | 141,00 | 89,96    | PC1860 | PC1861  |
| PL1926  | PEHD DN 160   | 141,00 | 137,93   | PC1862 | PC1860  |
| PL1927  | PVC DN 110    | 101,60 | 64,86    | PC1865 | PC1862  |
| PL1928  | PEHD DN 225   | 198,20 | 350,76   | PC1862 | PC1863  |
| PL1929  | PEHD DN 75    | 66,00  | 40,98    | PC1863 | PC1864  |
| PL193   | PVC DN 110    | 101,60 | 339,45   | PC193  | PC187A  |
| PL1930  | PVC DN 110    | 101,60 | 13,62    | PC1866 | PC1865  |
| PL1931  | DUCTIL DN 400 | 402,80 | 231,63   | PC1865 | PC1867  |
| PL1932  | PVC DN 110    | 101,60 | 62,01    | PC1868 | PC1867  |
| PL1933  | PEHD DN 75    | 66,00  | 89,08    | PC1868 | PC1869  |
| PL1934  | PVC DN 110    | 101,60 | 267,80   | PC1868 | PC1870  |
| PL1935  | PEHD DN 110   | 96,80  | 450,61   | PC1863 | PC1870  |
| PL1936  | PEHD DN 225   | 198,20 | 283,56   | PC1863 | PC1859  |
| PL1937  | PVC DN 160    | 147,60 | 329,87   | PC1870 | PC1871  |
| PL1938  | PVC DN 160    | 147,60 | 47,30    | PC1871 | PC1872  |
| PL1939  | PVC DN 110    | 101,60 | 158,95   | PC1873 | PC1872  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>62/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL194  | PEHD DN 90    | 79,20  | 425,11   | PC188  | PC187B |
| PL1940 | PVC DN 110    | 101,60 | 209,33   | PC1874 | PC1873 |
| PL1941 | PVC DN 110    | 101,60 | 184,87   | PC1874 | PC1875 |
| PL1942 | PVC DN 110    | 101,60 | 79,02    | PC1875 | PC1876 |
| PL1943 | PVC DN 110    | 101,60 | 170,59   | PC1875 | PC1877 |
| PL1944 | PVC DN 110    | 101,60 | 391,56   | PC1878 | PC1874 |
| PL1945 | PVC DN 110    | 101,60 | 185,47   | PC1879 | PC1878 |
| PL1946 | PVC DN 110    | 101,60 | 417,10   | PC1879 | PC1873 |
| PL1947 | PEHD DN 110   | 96,80  | 110,14   | PC1880 | PC1878 |
| PL1948 | PEHD DN 110   | 96,80  | 13,88    | PC1880 | PC1881 |
| PL1949 | PEHD DN 110   | 96,80  | 286,15   | PC1880 | PC1882 |
| PL195  | PVC DN 110    | 101,60 | 411,27   | PC194  | PC193  |
| PL195  | PVC DN 110    | 101,60 | 411,27   | PC194  | PC193  |
| PL1950 | PVC DN 110    | 101,60 | 329,18   | PC1882 | PC1883 |
| PL1951 | PVC DN 110    | 101,60 | 162,40   | PC1884 | PC1882 |
| PL1952 | PVC DN 110    | 101,60 | 148,28   | PC1884 | PC1885 |
| PL1953 | PVC DN 110    | 101,60 | 367,67   | PC1884 | PC1879 |
| PL1954 | PVC DN 160    | 147,60 | 708,52   | PC1884 | PC1886 |
| PL1955 | PVC DN 160    | 147,60 | 155,77   | PC1887 | PC1884 |
| PL1956 | PVC DN 110    | 101,60 | 365,84   | PC1888 | PC1887 |
| PL1957 | PVC DN 110    | 101,60 | 296,38   | PC1889 | PC1888 |
| PL1958 | PVC DN 160    | 147,60 | 201,81   | PC1872 | PC1889 |
| PL1959 | PVC DN 110    | 101,60 | 71,10    | PC1888 | PC1890 |
| PL196  | PVC DN 110    | 101,60 | 113,53   | PC194  | PC195  |
| PL1960 | PEHD DN 110   | 96,80  | 113,88   | PC1890 | PC1891 |
| PL1961 | PEHD DN 63    | 55,40  | 71,42    | PC1891 | PC1892 |
| PL1962 | PVC DN 110    | 101,60 | 348,57   | PC1890 | PC1893 |
| PL1963 | PVC DN 160    | 147,60 | 624,24   | PC1889 | PC1894 |
| PL1964 | PVC DN 160    | 147,60 | 674,75   | PC1894 | PC1887 |
| PL1965 | PVC DN 110    | 101,60 | 1.153,21 | PC1895 | PC1871 |
| PL1966 | PEHD DN 63    | 55,40  | 55,00    | PC1895 | PC1896 |
| PL1967 | PVC DN 110    | 101,60 | 117,70   | PC1897 | PC1895 |
| PL1968 | PVC DN 110    | 101,60 | 10,07    | PC1897 | PC1898 |
| PL1969 | PVC DN 110    | 101,60 | 168,21   | PC1894 | PC1897 |
| PL197  | PVC DN 110    | 101,60 | 345,86   | PC195  | PC196  |
| PL1970 | PVC DN 110    | 101,60 | 306,03   | PC1898 | PC1899 |
| PL1971 | PVC DN 110    | 101,60 | 8,08     | PC1898 | PC1900 |
| PL1972 | PEHD DN 63    | 55,40  | 87,67    | PC1900 | PC1901 |
| PL1973 | PVC DN 110    | 101,60 | 75,74    | PC1900 | PC1902 |
| PL1974 | PEHD DN 40    | 35,20  | 55,29    | PC1902 | PC1903 |
| PL1975 | PVC DN 110    | 101,60 | 202,72   | PC1902 | PC1904 |
| PL1976 | PVC DN 110    | 101,60 | 363,72   | PC1895 | PC1905 |
| PL1977 | PEHD DN 110   | 96,80  | 490,40   | PC1906 | PC1905 |
| PL1978 | PEHD DN 110   | 96,80  | 1.564,72 | PC1907 | PC1906 |
| PL1979 | DUCTIL DN 500 | 500,00 | 289,72   | PC1696 | PC1908 |
| PL198  | PVC DN 110    | 101,60 | 322,10   | PC195  | PC197  |
| PL1980 | DUCTIL DN 500 | 500,00 | 734,56   | PC1908 | PC1909 |
| PL1981 | DUCTIL DN 500 | 500,00 | 561,41   | PC1909 | PC1910 |
| PL1982 | PEHD DN 110   | 96,80  | 199,20   | PC1867 | PC1910 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>63/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL1983  | DUCTIL DN 400 | 402,80 | 359,41   | PC1911 | PC1865 |
| PL1984  | PEHD DN 32    | 28,20  | 39,60    | PC1912 | PC1911 |
| PL1985  | PEHD DN 32    | 28,20  | 92,53    | PC1912 | PC1913 |
| PL1986  | DUCTIL DN 400 | 402,80 | 116,71   | PC1914 | PC1911 |
| PL1987  | PVC DN 160    | 147,60 | 60,95    | PC1915 | PC1696 |
| PL1988  | DUCTIL DN 300 | 301,60 | 80,28    | PC1916 | PC1915 |
| PL1989  | PVC DN 160    | 147,60 | 617,05   | PC1916 | PC1917 |
| PL199   | PVC DN 110    | 101,60 | 238,06   | PC197  | PC198  |
| PL1990  | PVC DN 160    | 147,60 | 46,08    | PC1918 | PC1917 |
| PL1991  | PVC DN 225    | 207,80 | 64,96    | PC1918 | PC1919 |
| PL1992  | PVC DN 225    | 207,80 | 219,77   | PC1920 | PC1918 |
| PL1993  | PVC DN 160    | 147,60 | 120,63   | PC1920 | PC1921 |
| PL1994  | AC DN 150     | 150,00 | 48,36    | PC1922 | PC1921 |
| PL1995  | PVC DN 160    | 147,60 | 150,19   | PC1922 | PC1923 |
| PL1996  | AC DN 150     | 150,00 | 115,84   | PC1924 | PC1922 |
| PL1997  | LŽ DN 150     | 150,00 | 232,80   | PC1925 | PC1924 |
| PL1998  | LŽ DN 200     | 200,00 | 41,48    | PC1925 | PC1926 |
| PL1999  | LŽ DN 200     | 200,00 | 157,45   | PC1926 | PC1927 |
| PL19A   | PVC DN 90     | 81,40  | 387,34   | PC18B  | PC19   |
| PL743A  | PVC DN 110    | 101,60 | 18,34    | PC735A | PC734A |
| PL920A  | PEHD DN 110   | 96,80  | 265,23   | PC918A | PC919  |
| PL236A  | PVC DN 280    | 258,60 | 1.818,93 | PC136E | PC239  |
| PL2684  | PEHD DN 160   | 141,00 | 125,54   | PC1247 | PC2481 |
| PL2232B | PEHD DN 110   | 141,00 | 87,06    | PC2128 | PC2124 |
| PL52B   | PEHD DN 50    | 44,00  | 1.000,00 | 3      | PC52   |
| PL2     | LŽ DN 200     | 200,00 | 195,04   | PC1926 | PC1928 |
| PL20    | PVC DN 90     | 81,40  | 389,49   | PC20   | PC18   |
| PL200   | PVC DN 110    | 101,60 | 260,18   | PC197  | PC199  |
| PL2001  | PVC DN 110    | 101,60 | 50,43    | PC1928 | PC1929 |
| PL2002  | LŽ DN 200     | 200,00 | 178,39   | PC1928 | PC1930 |
| PL2003  | PVC DN 160    | 147,60 | 39,66    | PC1930 | PC1931 |
| PL2004  | LŽ DN 200     | 200,00 | 252,38   | PC1930 | PC1932 |
| PL2005  | PVC DN 160    | 147,60 | 151,64   | PC1932 | PC1933 |
| PL2006  | LŽ DN 200     | 200,00 | 169,70   | PC1932 | PC1934 |
| PL2007  | LŽ DN 200     | 200,00 | 75,01    | PC1935 | PC1925 |
| PL2008  | DUCTIL DN 400 | 402,80 | 887,93   | PC1935 | PC1936 |
| PL2009  | DUCTIL DN 400 | 402,80 | 2.036,70 | PC1937 | PC1936 |
| PL201   | PVC DN 110    | 101,60 | 15,10    | PC200  | PC199  |
| PL2010  | DUCTIL DN 400 | 402,80 | 90,50    | PC1555 | PC1937 |
| PL2010A | DUCTIL DN 400 | 402,80 | 58,46    | PC1401 | PC1555 |
| PL2011  | PEHD DN 160   | 141,00 | 127,63   | PC1935 | PC1938 |
| PL2012  | PEHD DN 160   | 141,00 | 57,69    | PC1938 | PC1939 |
| PL2013  | PEHD DN 160   | 141,00 | 180,72   | PC1938 | PC1940 |
| PL2014  | PEHD DN 160   | 141,00 | 223,28   | PC1941 | PC1940 |
| PL2015  | PEHD DN 160   | 141,00 | 99,06    | PC1940 | PC1942 |
| PL2016  | PEHD DN 160   | 141,00 | 150,86   | PC1942 | PC1943 |
| PL2017  | PEHD DN 160   | 141,00 | 161,51   | PC1942 | PC1944 |
| PL2018  | PEHD DN 160   | 141,00 | 150,86   | PC1945 | PC1944 |
| PL2019  | PEHD DN 160   | 141,00 | 184,42   | PC1946 | PC1944 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|--|---------------------|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          |  | Elaborat:  | Stranica:<br>64/512 |                           |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |                     | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL202   | PVC DN 110    | 101,60 | 533,29   | PC202  | PC194  |
| PL2020  | PEHD DN 160   | 141,00 | 111,86   | PC1947 | PC1946 |
| PL2021  | PEHD DN 160   | 141,00 | 20,64    | PC1948 | PC1946 |
| PL2022  | DUCTIL DN 300 | 301,60 | 117,74   | PC1948 | PC1949 |
| PL2023  | PEHD DN 160   | 141,00 | 121,95   | PC1949 | PC1950 |
| PL2024  | PEHD DN 160   | 141,00 | 62,37    | PC1950 | PC1951 |
| PL2025  | PEHD DN 160   | 141,00 | 141,29   | PC1950 | PC1952 |
| PL2026  | DUCTIL DN 300 | 301,60 | 109,93   | PC1949 | PC1953 |
| PL2027  | PVC DN 225    | 207,80 | 23,18    | PC1953 | PC1954 |
| PL2028  | DUCTIL DN 300 | 301,60 | 509,13   | PC1953 | PC1935 |
| PL2029  | DUCTIL DN 300 | 301,60 | 20,87    | PC1948 | PC1955 |
| PL202A  | PEHD DN 50    | 44,00  | 144,86   | PC199A | PC201  |
| PL203   | PVC DN 110    | 101,60 | 222,68   | PC204A | PC202  |
| PL2030  | DUCTIL DN 300 | 301,60 | 345,69   | PC1956 | PC1955 |
| PL2031  | PVC DN 160    | 147,60 | 17,23    | PC1956 | PC1957 |
| PL2032  | DUCTIL DN 300 | 301,60 | 1.056,20 | PC1956 | PC1958 |
| PL2033  | PEHD DN 225   | 198,20 | 523,41   | PC1958 | PC1959 |
| PL2034  | PEHD DN 225   | 198,20 | 133,48   | PC1960 | PC1959 |
| PL2035  | PVC DN 110    | 101,60 | 249,64   | PC1960 | PC1962 |
| PL2036  | PEHD DN 225   | 198,20 | 9,90     | PC1961 | PC1960 |
| PL2036A | PVC DN 110    | 101,60 | 12,60    | PC1961 | PC1960 |
| PL2037  | PVC DN 110    | 101,60 | 320,60   | PC1962 | PC1963 |
| PL2038  | PVC DN 110    | 101,60 | 276,37   | PC1965 | PC1961 |
| PL2039  | PVC DN 110    | 101,60 | 108,96   | PC1965 | PC1964 |
| PL204   | PVC DN 110    | 101,60 | 241,21   | 2      | PC206  |
| PL2040  | PVC DN 110    | 101,60 | 84,91    | PC1964 | PC1963 |
| PL2041  | PVC DN 110    | 101,60 | 63,14    | PC1971 | PC1963 |
| PL2042  | PEHD DN 110   | 96,80  | 63,83    | PC1972 | PC1964 |
| PL2043  | PVC DN 110    | 101,60 | 83,40    | PC1972 | PC1971 |
| PL2044  | PEHD DN 110   | 96,80  | 54,74    | PC1969 | PC1972 |
| PL2045  | PEHD DN 90    | 79,20  | 87,36    | PC1969 | PC1970 |
| PL2046  | PVC DN 110    | 101,60 | 52,92    | PC1970 | PC1971 |
| PL2047  | PVC DN 110    | 101,60 | 82,36    | PC1966 | PC1965 |
| PL2048  | PVC DN 90     | 81,40  | 41,15    | PC1966 | PC1967 |
| PL2049  | PVC DN 110    | 101,60 | 38,35    | PC1968 | PC1966 |
| PL205   | PVC DN 110    | 101,60 | 287,00   | PC207  | PC205  |
| PL2050  | PVC DN 110    | 101,60 | 107,73   | PC1968 | PC1969 |
| PL2051  | PVC DN 110    | 101,60 | 25,24    | PC1973 | PC1968 |
| PL2052  | PVC DN 110    | 101,60 | 97,84    | PC1973 | PC1974 |
| PL2053  | PVC DN 110    | 101,60 | 64,77    | PC1973 | PC1975 |
| PL2054  | PVC DN 225    | 207,80 | 187,63   | PC1975 | PC1976 |
| PL2055  | PEHD DN 225   | 198,20 | 194,87   | PC1977 | PC1976 |
| PL2056  | PEHD DN 225   | 198,20 | 98,85    | PC1977 | PC1961 |
| PL2057  | LŽ DN 150     | 150,00 | 248,37   | PC1978 | PC1976 |
| PL2058  | PVC DN 225    | 207,80 | 41,70    | PC1978 | PC1979 |
| PL2058A | PVC DN 225    | 207,80 | 26,11    | PC1979 | PC1991 |
| PL2059  | PVC DN 110    | 101,60 | 28,54    | PC1979 | PC1980 |
| PL206   | PVC DN 160    | 147,60 | 224,86   | PC207  | PC208  |
| PL2060  | PVC DN 225    | 207,80 | 133,22   | PC1991 | PC1975 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|--|---|--|--|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>65/512  |  |  |  |  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |  |  |  |  |
|  |   | Nadnevak:<br>17.11.2009.   |  |  |  |  |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2061 | PVC DN 110  | 101,60 | 5,14   | PC1991 | PC1992 |
| PL2062 | PVC DN 110  | 101,60 | 23,16  | PC1992 | PC1993 |
| PL2063 | PVC DN 110  | 101,60 | 27,08  | PC1994 | PC1992 |
| PL2064 | PVC DN 110  | 101,60 | 103,73 | PC1994 | PC1995 |
| PL2065 | PVC DN 110  | 101,60 | 46,93  | PC1995 | PC1996 |
| PL2066 | PVC DN 110  | 101,60 | 39,45  | PC1996 | PC1997 |
| PL2067 | PVC DN 110  | 101,60 | 63,89  | PC1997 | PC1998 |
| PL2068 | PEHD DN 90  | 79,20  | 85,48  | PC1999 | PC1998 |
| PL2069 | PEHD DN 90  | 79,20  | 62,61  | PC1995 | PC1999 |
| PL207  | PVC DN 160  | 147,60 | 227,84 | PC208  | PC209  |
| PL2070 | PEHD DN 90  | 79,20  | 64,40  | PC1999 | PC1969 |
| PL2071 | PVC DN 110  | 101,60 | 63,96  | PC1998 | PC1970 |
| PL2072 | LŽ DN 200   | 200,00 | 35,82  | PC2000 | PC1978 |
| PL2073 | LŽ DN 200   | 200,00 | 105,96 | PC2001 | PC2000 |
| PL2074 | PEHD DN 225 | 198,20 | 28,12  | PC2001 | PC2002 |
| PL2075 | PVC DN 160  | 147,60 | 42,00  | PC2002 | PC2003 |
| PL2076 | PVC DN 110  | 101,60 | 30,19  | PC2003 | PC2004 |
| PL2077 | PVC DN 160  | 147,60 | 92,71  | PC2003 | PC2005 |
| PL2078 | PEHD DN 90  | 79,20  | 24,24  | PC2005 | PC2006 |
| PL2079 | PEHD DN 225 | 198,20 | 75,42  | PC2007 | PC2001 |
| PL208  | PVC DN 160  | 147,60 | 73,98  | PC208  | PC210  |
| PL2080 | PEHD DN 90  | 79,20  | 45,31  | PC2008 | PC2007 |
| PL2081 | PEHD DN 225 | 198,20 | 41,01  | PC2009 | PC2007 |
| PL2082 | PVC DN 110  | 101,60 | 7,88   | PC2009 | PC2010 |
| PL2083 | PEHD DN 225 | 198,20 | 7,40   | PC2009 | PC2010 |
| PL2084 | PVC DN 75   | 67,80  | 103,39 | PC2010 | PC2011 |
| PL2085 | PVC DN 90   | 81,40  | 106,43 | PC2010 | PC2012 |
| PL2086 | PEHD DN 90  | 79,20  | 8,85   | PC2012 | PC2013 |
| PL2087 | PEHD DN 90  | 79,20  | 5,99   | PC2014 | PC2012 |
| PL2088 | PVC DN 110  | 101,60 | 14,91  | PC2014 | PC2015 |
| PL2089 | PEHD DN 90  | 79,20  | 36,84  | PC2016 | PC2014 |
| PL209  | PVC DN 110  | 101,60 | 58,71  | PC210  | PC211  |
| PL2090 | PVC DN 160  | 147,60 | 17,89  | PC2009 | PC2017 |
| PL2091 | PVC DN 110  | 101,60 | 106,13 | PC2017 | PC1994 |
| PL2092 | PVC DN 160  | 147,60 | 54,05  | PC2017 | PC2018 |
| PL2093 | PVC DN 110  | 101,60 | 200,28 | PC2018 | PC1996 |
| PL2094 | PVC DN 110  | 101,60 | 108,31 | PC2019 | PC1997 |
| PL2095 | PVC DN 160  | 147,60 | 137,41 | PC2018 | PC2019 |
| PL2096 | PVC DN 160  | 147,60 | 62,59  | PC2020 | PC2019 |
| PL2097 | PVC DN 160  | 147,60 | 89,15  | PC2020 | PC2021 |
| PL2098 | PVC DN 160  | 147,60 | 98,62  | PC2022 | PC2020 |
| PL2099 | PVC DN 225  | 207,80 | 172,50 | PC2022 | PC2023 |
| PL21   | PVC DN 90   | 81,40  | 235,97 | PC20   | PC21   |
| PL210  | PVC DN 160  | 147,60 | 74,64  | PC210  | PC212  |
| PL2100 | PVC DN 160  | 147,60 | 42,50  | PC2023 | PC2024 |
| PL2101 | PVC DN 160  | 147,60 | 96,13  | PC2025 | PC2024 |
| PL2102 | PVC DN 160  | 147,60 | 105,42 | PC2026 | PC2025 |
| PL2103 | PVC DN 160  | 147,60 | 121,11 | PC2026 | PC2024 |
| PL2104 | PVC DN 160  | 147,60 | 37,49  | PC2027 | PC2026 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>66/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL2105  | PVC DN 160  | 147,60 | 71,88  | PC2027 | PC2028 |
| PL2106  | PVC DN 225  | 207,80 | 54,30  | PC2028 | PC2023 |
| PL2107  | PVC DN 225  | 207,80 | 80,14  | PC2030 | PC2028 |
| PL2108  | PVC DN 160  | 147,60 | 116,16 | PC2030 | PC2029 |
| PL2109  | PVC DN 160  | 147,60 | 25,07  | PC2029 | PC2027 |
| PL211   | PVC DN 160  | 147,60 | 80,41  | PC212  | PC214  |
| PL2110  | PVC DN 160  | 147,60 | 146,96 | PC2031 | PC2029 |
| PL2111  | PVC DN 225  | 207,80 | 24,39  | PC2031 | PC2030 |
| PL2112  | PVC DN 225  | 207,80 | 69,48  | PC2046 | PC2031 |
| PL2113  | PVC DN 160  | 147,60 | 75,03  | PC2022 | PC2032 |
| PL2114  | PVC DN 110  | 101,60 | 56,88  | PC2032 | PC2033 |
| PL2115  | PVC DN 160  | 147,60 | 76,17  | PC2032 | PC2034 |
| PL2116  | PVC DN 160  | 147,60 | 80,13  | PC2034 | PC2035 |
| PL2117  | PVC DN 160  | 147,60 | 78,20  | PC2036 | PC2034 |
| PL2118  | PVC DN 160  | 147,60 | 21,50  | PC2037 | PC2036 |
| PL2119  | PVC DN 225  | 207,80 | 94,27  | PC2038 | PC2036 |
| PL212   | PVC DN 110  | 101,60 | 175,61 | PC214  | PC215  |
| PL2120  | PVC DN 110  | 101,60 | 32,54  | PC2038 | PC2039 |
| PL2121  | PVC DN 225  | 207,80 | 63,04  | PC2040 | PC2038 |
| PL2122  | PVC DN 225  | 207,80 | 19,88  | PC2046 | PC2040 |
| PL2123  | PVC DN 225  | 207,80 | 111,33 | PC2045 | PC2046 |
| PL2124  | LŽ DN 200   | 200,00 | 25,82  | PC1934 | PC2045 |
| PL2125  | PVC DN 160  | 147,60 | 62,28  | PC1934 | PC2047 |
| PL2126  | PVC DN 90   | 81,40  | 14,86  | PC2047 | PC2048 |
| PL2127  | PVC DN 160  | 147,60 | 67,87  | PC2047 | PC2041 |
| PL2128  | PEHD DN 110 | 96,80  | 24,95  | PC2040 | PC2041 |
| PL2129  | PEHD DN 110 | 96,80  | 106,75 | PC2041 | PC2042 |
| PL213   | PVC DN 110  | 101,60 | 614,68 | PC214  | PC216  |
| PL2130  | PVC DN 160  | 147,60 | 52,96  | PC2041 | PC2043 |
| PL2130A | PVC DN 110  | 101,60 | 15,92  | PC2043 | PC2044 |
| PL2131  | PVC DN 160  | 147,60 | 103,21 | PC2043 | PC2037 |
| PL2132  | PVC DN 160  | 147,60 | 27,42  | PC2037 | PC2049 |
| PL2133  | PVC DN 160  | 147,60 | 127,95 | PC2049 | PC2050 |
| PL2134  | PVC DN 160  | 147,60 | 9,16   | PC2050 | PC2051 |
| PL2135  | PVC DN 160  | 147,60 | 100,80 | PC2050 | PC2052 |
| PL2136  | PEHD DN 160 | 141,00 | 382,98 | PC1955 | PC2049 |
| PL2137  | LŽ DN 200   | 200,00 | 235,53 | PC2045 | PC2053 |
| PL2138  | PVC DN 110  | 101,60 | 128,07 | PC2053 | PC2054 |
| PL2139  | LŽ DN 200   | 200,00 | 269,78 | PC2053 | PC2055 |
| PL214   | PVC DN 110  | 101,60 | 695,59 | PC216  | PC217  |
| PL2140  | AC DN 100   | 100,00 | 63,78  | PC2055 | PC2056 |
| PL2141  | LŽ DN 150   | 150,00 | 50,91  | PC2055 | PC2057 |
| PL2142  | AC DN 80    | 80,00  | 77,82  | PC2057 | PC2058 |
| PL2143  | LŽ DN 150   | 150,00 | 35,60  | PC2057 | PC2059 |
| PL2144  | AC DN 80    | 80,00  | 17,92  | PC2059 | PC2060 |
| PL2145  | PC DN 90    | 90,00  | 4,77   | PC2060 | PC2061 |
| PL2146  | PC DN 90    | 90,00  | 4,77   | PC2060 | PC2062 |
| PL2147  | AC DN 80    | 80,00  | 89,51  | PC2059 | PC2063 |
| PL2148  | LŽ DN 200   | 200,00 | 101,49 | PC2055 | PC2001 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>67/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |               |        |        |        |        |
|--------|---------------|--------|--------|--------|--------|
| PL2149 | PVC DN 160    | 147,60 | 346,35 | PC2045 | PC2064 |
| PL215  | PVC DN 110    | 101,60 | 444,91 | PC217  | PC218  |
| PL2150 | AC DN 200     | 200,00 | 109,71 | PC2064 | PC2065 |
| PL2151 | AC DN 200     | 200,00 | 14,89  | PC2065 | PC2066 |
| PL2152 | PVC DN 110    | 101,60 | 96,11  | PC2065 | PC2067 |
| PL2153 | LŽ DN 200     | 200,00 | 353,68 | PC2068 | PC2000 |
| PL2154 | LŽ DN 100     | 100,00 | 261,55 | PC2069 | PC2068 |
| PL2155 | PEHD DN 225   | 198,20 | 76,79  | PC2070 | PC2069 |
| PL2156 | PEHD DN 225   | 198,20 | 441,23 | PC2064 | PC2070 |
| PL2157 | PEHD DN 225   | 198,20 | 86,69  | PC2071 | PC2070 |
| PL2158 | PEHD DN 225   | 198,20 | 34,21  | PC2071 | PC2072 |
| PL2159 | DUCTIL DN 300 | 301,60 | 384,76 | PC2071 | PC2073 |
| PL216  | PVC DN 110    | 101,60 | 744,35 | PC212  | PC219  |
| PL2160 | PVC DN 160    | 147,60 | 7,82   | PC2074 | PC2073 |
| PL2161 | PVC DN 110    | 101,60 | 257,10 | PC2074 | PC2075 |
| PL2162 | PVC DN 160    | 147,60 | 409,02 | PC2076 | PC2074 |
| PL2163 | PVC DN 160    | 147,60 | 39,60  | PC2076 | PC2077 |
| PL2164 | PVC DN 225    | 207,80 | 99,34  | PC2077 | PC2078 |
| PL2165 | PVC DN 160    | 147,60 | 57,20  | PC2078 | PC2079 |
| PL2166 | PVC DN 110    | 101,60 | 82,12  | PC2079 | PC2080 |
| PL2167 | PVC DN 160    | 147,60 | 81,39  | PC2079 | PC2080 |
| PL2168 | PVC DN 160    | 147,60 | 11,72  | PC2080 | PC2081 |
| PL2169 | PVC DN 160    | 147,60 | 389,72 | PC1917 | PC2083 |
| PL217  | PVC DN 110    | 101,60 | 873,40 | PC219  | PC220  |
| PL2170 | PVC DN 160    | 147,60 | 160,33 | PC2083 | PC2082 |
| PL2171 | PVC DN 160    | 147,60 | 15,73  | PC2082 | PC2076 |
| PL2172 | PVC DN 110    | 101,60 | 336,60 | PC2082 | PC2084 |
| PL2173 | PEHD DN 160   | 141,00 | 234,84 | PC2083 | PC2085 |
| PL2174 | PVC DN 110    | 101,60 | 56,92  | PC2084 | PC2085 |
| PL2175 | PVC DN 110    | 101,60 | 12,80  | PC2085 | PC2086 |
| PL2176 | PEHD DN 160   | 141,00 | 185,50 | PC2085 | PC2087 |
| PL2177 | PEHD DN 160   | 141,00 | 9,15   | PC1909 | PC2087 |
| PL2178 | DUCTIL DN 300 | 301,60 | 80,96  | PC2073 | PC2088 |
| PL2179 | PVC DN 110    | 101,60 | 397,63 | PC2088 | PC2089 |
| PL218  | PVC DN 110    | 101,60 | 196,00 | PC202  | PC221  |
| PL2180 | PVC DN 110    | 101,60 | 90,84  | PC2090 | PC2088 |
| PL2181 | PVC DN 315    | 290,80 | 107,56 | PC2093 | PC2088 |
| PL2182 | PVC DN 110    | 101,60 | 45,91  | PC2090 | PC2091 |
| PL2183 | PVC DN 110    | 101,60 | 16,94  | PC2092 | PC2090 |
| PL2184 | PVC DN 110    | 101,60 | 3,59   | PC2092 | PC2093 |
| PL2185 | PVC DN 110    | 101,60 | 77,75  | PC2093 | PC2094 |
| PL2186 | PEHD DN 110   | 96,80  | 166,75 | PC2095 | PC2094 |
| PL2187 | PVC DN 110    | 101,60 | 71,80  | PC2096 | PC2092 |
| PL2188 | PVC DN 110    | 101,60 | 171,45 | PC2097 | PC2096 |
| PL2189 | PVC DN 110    | 101,60 | 167,92 | PC2098 | PC2097 |
| PL219  | PVC DN 63     | 57,00  | 235,39 | PC221  | PC222  |
| PL2190 | PVC DN 110    | 101,60 | 66,33  | PC2098 | PC2099 |
| PL2191 | PVC DN 110    | 101,60 | 62,30  | PC2098 | PC2096 |
| PL2192 | PVC DN 110    | 101,60 | 190,14 | PC2096 | PC2100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>68/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL2193  | PVC DN 110    | 101,60 | 202,77 | PC2100 | PC2092 |
| PL2193A | PVC DN 315    | 290,80 | 202,37 | PC2100 | PC2093 |
| PL2194  | PVC DN 315    | 290,80 | 33,72  | PC2101 | PC2100 |
| PL2195  | DUCTIL DN 300 | 301,60 | 50,56  | PC1910 | PC2101 |
| PL2196  | PVC DN 160    | 147,60 | 107,92 | PC2073 | PC2102 |
| PL2197  | PVC DN 160    | 147,60 | 39,98  | PC2104 | PC2102 |
| PL2198  | PEHD DN 90    | 79,20  | 35,96  | PC2102 | PC2103 |
| PL2199  | PVC DN 90     | 81,40  | 26,89  | PC2103 | PC2104 |
| PL22    | PVC DN 90     | 81,40  | 196,28 | PC22B  | PC20   |
| PL220   | PVC DN 110    | 101,60 | 680,29 | PC221  | PC223  |
| PL2200  | PVC DN 160    | 147,60 | 26,53  | PC2105 | PC2104 |
| PL2201  | PVC DN 160    | 147,60 | 100,92 | PC2106 | PC2105 |
| PL2202  | PVC DN 160    | 147,60 | 59,36  | PC2106 | PC2107 |
| PL2203  | PEHD DN 90    | 79,20  | 141,00 | PC2103 | PC2107 |
| PL2204  | PVC DN 90     | 81,40  | 103,72 | PC2107 | PC2108 |
| PL2205  | PVC DN 160    | 147,60 | 97,62  | PC2107 | PC2109 |
| PL2206  | PVC DN 110    | 101,60 | 282,87 | PC2109 | PC2088 |
| PL2208  | PVC DN 110    | 101,60 | 182,77 | PC2110 | PC2098 |
| PL2209  | PVC DN 110    | 101,60 | 90,36  | PC2110 | PC2111 |
| PL221   | PVC DN 63     | 57,00  | 434,00 | PC223  | PC224  |
| PL2210  | PVC DN 110    | 101,60 | 25,52  | PC2111 | PC2113 |
| PL2211  | PVC DN 110    | 101,60 | 33,23  | PC2111 | PC2112 |
| PL2212  | PVC DN 110    | 101,60 | 60,24  | PC2114 | PC2110 |
| PL2213  | AC DN 80      | 80,00  | 106,66 | PC2115 | PC2114 |
| PL2214  | PVC DN 160    | 147,60 | 141,26 | PC2109 | PC2115 |
| PL2215  | AC DN 80      | 80,00  | 257,97 | PC2115 | PC2116 |
| PL2216  | PVC DN 110    | 101,60 | 21,13  | PC2117 | PC2116 |
| PL2217  | PVC DN 110    | 101,60 | 222,36 | PC2106 | PC2117 |
| PL2218  | PVC DN 110    | 101,60 | 110,74 | PC2117 | PC2118 |
| PL2219  | AC DN 80      | 80,00  | 134,53 | PC2119 | PC2116 |
| PL222   | PVC DN 110    | 101,60 | 157,43 | PC223  | PC225  |
| PL2220  | AC DN 100     | 100,00 | 325,11 | PC2119 | PC2120 |
| PL2221  | DUCTIL DN 300 | 301,60 | 122,94 | PC2119 | PC2121 |
| PL2222  | DUCTIL DN 400 | 402,80 | 64,78  | PC2121 | PC2122 |
| PL2223  | DUCTIL DN 300 | 301,60 | 454,17 | PC2122 | PC2071 |
| PL2224  | DUCTIL DN 400 | 402,80 | 140,16 | PC2122 | PC2123 |
| PL2225  | LŽ DN 200     | 200,00 | 212,63 | PC2123 | PC2068 |
| PL2226  | DUCTIL DN 400 | 402,80 | 514,30 | PC2132 | PC2121 |
| PL2227  | PEHD DN 160   | 141,00 | 91,00  | PC2124 | PC2125 |
| PL2228  | AC DN 80      | 80,00  | 362,25 | PC2126 | PC2124 |
| PL2229  | AC DN 80      | 80,00  | 120,84 | PC2115 | PC2126 |
| PL223   | PVC DN 63     | 57,00  | 223,46 | PC225  | PC226  |
| PL2230  | AC DN 80      | 80,00  | 86,95  | PC2126 | PC2127 |
| PL2231A | PEHD DN 160   | 141,00 | 200,00 | PC2130 | PC2128 |
| PL2232  | PEHD DN 160   | 141,00 | 252,52 | PC2129 | PC2128 |
| PL2233  | PEHD DN 110   | 96,80  | 258,40 | PC2130 | PC2131 |
| PL2234  | PEHD DN 63    | 55,40  | 105,75 | PC2133 | PC2130 |
| PL2235  | PVC DN 110    | 101,60 | 23,23  | PC2134 | PC2133 |
| PL2236  | DUCTIL DN 400 | 402,80 | 160,72 | PC2132 | PC1914 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>69/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2237 | PEHD DN 63  | 55,40  | 52,15  | PC2134 | PC2135 |
| PL2238 | PVC DN 110  | 101,60 | 51,24  | PC2136 | PC2134 |
| PL2239 | AC DN 80    | 80,00  | 315,60 | PC2136 | PC2114 |
| PL224  | PVC DN 110  | 101,60 | 488,67 | PC225  | PC227  |
| PL2240 | AC DN 200   | 200,00 | 380,83 | PC1914 | PC2137 |
| PL2241 | PVC DN 110  | 101,60 | 343,80 | PC2137 | PC2138 |
| PL2242 | PVC DN 110  | 101,60 | 244,04 | PC2138 | PC2139 |
| PL2243 | PVC DN 110  | 101,60 | 349,01 | PC2124 | PC2139 |
| PL2244 | PVC DN 110  | 101,60 | 118,62 | PC2139 | PC2140 |
| PL2245 | PVC DN 110  | 101,60 | 117,39 | PC2141 | PC2140 |
| PL2246 | PVC DN 110  | 101,60 | 38,27  | PC2141 | PC2142 |
| PL2247 | PVC DN 110  | 101,60 | 227,21 | PC2121 | PC2141 |
| PL2248 | PVC DN 110  | 101,60 | 150,35 | PC2143 | PC2140 |
| PL2249 | PVC DN 110  | 101,60 | 70,40  | PC2143 | PC2144 |
| PL225  | PVC DN 160  | 147,60 | 472,24 | PC228  | PC207  |
| PL2250 | PEHD DN 32  | 28,20  | 20,07  | PC2144 | PC2145 |
| PL2251 | PVC DN 110  | 101,60 | 42,51  | PC2146 | PC2143 |
| PL2252 | PVC DN 110  | 101,60 | 49,46  | PC2146 | PC2147 |
| PL2253 | PEHD DN 32  | 28,20  | 28,42  | PC2147 | PC2148 |
| PL2254 | PVC DN 110  | 101,60 | 42,98  | PC2149 | PC2146 |
| PL2255 | PVC DN 110  | 101,60 | 49,01  | PC2149 | PC2150 |
| PL2256 | PEHD DN 32  | 28,20  | 15,28  | PC2150 | PC2151 |
| PL2257 | PVC DN 110  | 101,60 | 43,34  | PC2152 | PC2149 |
| PL2258 | PVC DN 110  | 101,60 | 37,35  | PC2152 | PC2153 |
| PL2259 | PEHD DN 32  | 28,20  | 10,36  | PC2153 | PC2154 |
| PL226  | PVC DN 110  | 101,60 | 352,43 | PC228  | PC229  |
| PL2260 | PVC DN 110  | 101,60 | 133,07 | PC2155 | PC2152 |
| PL2261 | PVC DN 140  | 129,60 | 303,66 | PC2139 | PC2155 |
| PL2262 | PVC DN 110  | 101,60 | 86,32  | PC2155 | PC2156 |
| PL2263 | PVC DN 110  | 101,60 | 82,33  | PC2156 | PC2157 |
| PL2264 | PVC DN 110  | 101,60 | 164,66 | PC2157 | PC2158 |
| PL2265 | PVC DN 110  | 101,60 | 84,69  | PC2157 | PC2159 |
| PL2266 | PVC DN 225  | 207,80 | 205,64 | PC2160 | PC2159 |
| PL2267 | PVC DN 225  | 207,80 | 121,72 | PC2138 | PC2160 |
| PL2268 | PVC DN 110  | 101,60 | 334,02 | PC2160 | PC2156 |
| PL2269 | PVC DN 110  | 101,60 | 91,94  | PC2162 | PC2160 |
| PL227  | PVC DN 160  | 147,60 | 180,31 | PC230  | PC228  |
| PL2270 | PVC DN 110  | 101,60 | 90,99  | PC2159 | PC2161 |
| PL2271 | PVC DN 110  | 101,60 | 206,15 | PC2162 | PC2161 |
| PL2272 | PVC DN 110  | 101,60 | 95,11  | PC2161 | PC2165 |
| PL2273 | PVC DN 110  | 101,60 | 147,60 | PC2166 | PC2165 |
| PL2274 | PVC DN 110  | 101,60 | 99,59  | PC2163 | PC2162 |
| PL2275 | PVC DN 110  | 101,60 | 30,95  | PC2163 | PC2164 |
| PL2276 | PVC DN 110  | 101,60 | 543,22 | PC2167 | PC2163 |
| PL2277 | PEHD DN 110 | 96,80  | 105,49 | PC2167 | PC2168 |
| PL2278 | PVC DN 160  | 147,60 | 81,00  | PC2169 | PC2167 |
| PL2279 | PVC DN 110  | 101,60 | 277,36 | PC2165 | PC2169 |
| PL228  | PEHD DN 110 | 96,80  | 212,36 | PC230  | PC231  |
| PL2280 | PVC DN 160  | 147,60 | 96,31  | PC2170 | PC2169 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>70/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2281 | PVC DN 110  | 101,60 | 181,66 | PC2171 | PC2170 |
| PL2282 | PVC DN 110  | 101,60 | 97,27  | PC2172 | PC2171 |
| PL2283 | PVC DN 160  | 147,60 | 52,07  | PC2173 | PC2172 |
| PL2284 | PEHD DN 90  | 79,20  | 15,09  | PC2173 | PC2174 |
| PL2285 | PVC DN 160  | 147,60 | 29,99  | PC2159 | PC2173 |
| PL2286 | PVC DN 160  | 147,60 | 59,17  | PC2175 | PC2172 |
| PL2287 | PEHD DN 90  | 79,20  | 27,95  | PC2175 | PC2176 |
| PL2288 | PVC DN 160  | 147,60 | 48,00  | PC2177 | PC2175 |
| PL2289 | PVC DN 110  | 101,60 | 107,76 | PC2178 | PC2177 |
| PL229  | PVC DN 110  | 101,60 | 412,17 | PC231  | PC232  |
| PL2290 | PEHD DN 90  | 79,20  | 23,31  | PC2178 | PC2179 |
| PL2291 | PVC DN 160  | 147,60 | 97,56  | PC2172 | PC2180 |
| PL2292 | PVC DN 160  | 147,60 | 33,83  | PC2181 | PC2180 |
| PL2293 | PEHD DN 90  | 79,20  | 26,16  | PC2181 | PC2182 |
| PL2294 | PVC DN 63   | 57,00  | 2,67   | PC2182 | PC2183 |
| PL2295 | PVC DN 75   | 67,80  | 24,79  | PC2182 | PC2184 |
| PL2296 | PVC DN 160  | 147,60 | 71,51  | PC2185 | PC2181 |
| PL2297 | PVC DN 110  | 101,60 | 89,71  | PC2185 | PC2186 |
| PL2298 | PVC DN 110  | 101,60 | 67,79  | PC2186 | PC2187 |
| PL2299 | PVC DN 110  | 101,60 | 6,35   | PC2187 | PC2188 |
| PL23   | PVC DN 90   | 81,40  | 855,26 | PC22   | PC23   |
| PL230  | PEHD DN 110 | 96,80  | 244,78 | PC231  | PC233  |
| PL2300 | PVC DN 75   | 67,80  | 26,30  | PC2188 | PC2190 |
| PL2301 | PVC DN 63   | 57,00  | 29,66  | PC2188 | PC2189 |
| PL2302 | PVC DN 110  | 101,60 | 25,59  | PC2187 | PC2191 |
| PL2303 | PVC DN 160  | 147,60 | 107,76 | PC2191 | PC2170 |
| PL2304 | PVC DN 160  | 147,60 | 88,38  | PC2180 | PC2191 |
| PL2305 | PVC DN 160  | 147,60 | 68,56  | PC2192 | PC2186 |
| PL2306 | PVC DN 160  | 147,60 | 86,85  | PC2193 | PC2192 |
| PL2307 | PVC DN 160  | 147,60 | 70,16  | PC2193 | PC2185 |
| PL2308 | PVC DN 160  | 147,60 | 99,13  | PC2194 | PC2193 |
| PL2309 | PVC DN 160  | 147,60 | 63,85  | PC2194 | PC2177 |
| PL231  | PEHD DN 40  | 35,20  | 171,01 | PC233  | PC234  |
| PL2310 | PVC DN 160  | 147,60 | 25,00  | PC2195 | PC2194 |
| PL2311 | PEHD DN 90  | 79,20  | 35,04  | PC2195 | PC2196 |
| PL2312 | PVC DN 160  | 147,60 | 53,99  | PC2156 | PC2195 |
| PL2313 | PVC DN 160  | 147,60 | 38,13  | PC2197 | PC2192 |
| PL2314 | PEHD DN 90  | 79,20  | 9,59   | PC2197 | PC2198 |
| PL2315 | PEHD DN 90  | 79,20  | 20,46  | PC2198 | PC2199 |
| PL2316 | PEHD DN 90  | 79,20  | 19,03  | PC2198 | PC2200 |
| PL2317 | PVC DN 160  | 147,60 | 56,73  | PC2201 | PC2197 |
| PL2318 | PVC DN 315  | 290,80 | 3,95   | PC2201 | PC2202 |
| PL2319 | PVC DN 315  | 290,80 | 72,80  | PC2203 | PC2201 |
| PL232  | PEHD DN 110 | 96,80  | 189,48 | PC233  | PC235  |
| PL2320 | PVC DN 315  | 290,80 | 107,75 | PC2204 | PC2203 |
| PL2321 | PEHD DN 110 | 96,80  | 200,86 | PC2204 | PC2202 |
| PL2322 | PVC DN 160  | 147,60 | 14,86  | PC2203 | PC2205 |
| PL2323 | PEHD DN 90  | 79,20  | 31,33  | PC2205 | PC2206 |
| PL2324 | PVC DN 110  | 101,60 | 85,85  | PC2207 | PC2205 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.grad. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>71/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2325 | PEHD DN 90  | 79,20  | 41,09  | PC2208 | PC2207 |
| PL2326 | PVC DN 110  | 101,60 | 120,31 | PC2207 | PC2209 |
| PL2327 | PVC DN 160  | 147,60 | 29,88  | PC2205 | PC2209 |
| PL2328 | PVC DN 110  | 101,60 | 22,19  | PC2209 | PC2210 |
| PL2329 | PC DN 90    | 90,00  | 12,85  | PC2210 | PC2212 |
| PL233  | PVC DN 160  | 147,60 | 728,04 | PC236  | PC230  |
| PL2330 | PEHD DN 110 | 96,80  | 16,21  | PC2210 | PC2211 |
| PL2331 | PVC DN 160  | 147,60 | 40,13  | PC2209 | PC2193 |
| PL2332 | PVC DN 315  | 290,80 | 58,72  | PC2213 | PC2204 |
| PL2333 | PEHD DN 90  | 79,20  | 50,20  | PC2213 | PC2214 |
| PL2334 | PVC DN 315  | 290,80 | 795,53 | PC2122 | PC2213 |
| PL2335 | AC DN 200   | 200,00 | 186,47 | PC2137 | PC2215 |
| PL2336 | PEHD DN 110 | 96,80  | 136,27 | PC2215 | PC2216 |
| PL2337 | AC DN 200   | 200,00 | 737,76 | PC2215 | PC2217 |
| PL2338 | PVC DN 110  | 101,60 | 177,10 | PC2217 | PC2218 |
| PL2339 | AC DN 200   | 200,00 | 42,15  | PC2217 | PC2219 |
| PL234  | PVC DN 110  | 101,60 | 84,21  | PC236  | PC237  |
| PL2340 | PVC DN 225  | 207,80 | 59,56  | PC2219 | PC2220 |
| PL2341 | PVC DN 225  | 207,80 | 143,53 | PC2220 | PC2221 |
| PL2342 | PVC DN 225  | 207,80 | 105,14 | PC2221 | PC2222 |
| PL2343 | PVC DN 160  | 147,60 | 134,64 | PC2222 | PC2223 |
| PL2344 | PVC DN 160  | 147,60 | 144,58 | PC2223 | PC2224 |
| PL2345 | PVC DN 110  | 101,60 | 190,12 | PC2225 | PC2224 |
| PL2346 | PVC DN 110  | 101,60 | 273,46 | PC2219 | PC2225 |
| PL2347 | PVC DN 110  | 101,60 | 25,90  | PC2226 | PC2225 |
| PL2348 | PVC DN 110  | 101,60 | 141,89 | PC2226 | PC2223 |
| PL2349 | PVC DN 110  | 101,60 | 87,58  | PC2227 | PC2226 |
| PL235  | PVC DN 50   | 45,00  | 173,84 | PC237  | PC238  |
| PL2350 | PEHD DN 90  | 79,20  | 50,91  | PC2227 | PC2228 |
| PL2351 | PVC DN 110  | 101,60 | 81,25  | PC2221 | PC2227 |
| PL2352 | PVC DN 160  | 147,60 | 128,54 | PC2224 | PC2229 |
| PL2353 | PEHD DN 63  | 55,40  | 74,78  | PC2229 | PC2230 |
| PL2354 | PVC DN 160  | 147,60 | 180,47 | PC2229 | PC2231 |
| PL2355 | PVC DN 160  | 147,60 | 17,84  | PC2231 | PC2232 |
| PL2356 | PVC DN 110  | 101,60 | 15,14  | PC2231 | PC2233 |
| PL2357 | PVC DN 160  | 147,60 | 217,08 | PC2233 | PC2234 |
| PL2358 | PVC DN 225  | 207,80 | 471,41 | PC2236 | PC2235 |
| PL2359 | PVC DN 110  | 101,60 | 160,76 | PC2233 | PC2237 |
| PL236  | PVC DN 160  | 147,60 | 317,80 | PC239  | PC236  |
| PL2360 | PVC DN 110  | 101,60 | 98,07  | PC2237 | PC2238 |
| PL2361 | PVC DN 110  | 101,60 | 411,18 | PC2239 | PC2237 |
| PL2362 | PVC DN 160  | 147,60 | 124,23 | PC2239 | PC2240 |
| PL2363 | PVC DN 110  | 101,60 | 290,00 | PC2240 | PC2242 |
| PL2364 | PEHD DN 63  | 55,40  | 42,11  | PC2242 | PC2243 |
| PL2365 | PEHD DN 90  | 79,20  | 27,33  | PC2241 | PC2242 |
| PL2366 | PVC DN 110  | 101,60 | 141,33 | PC2241 | PC2240 |
| PL2367 | PVC DN 110  | 101,60 | 336,28 | PC2244 | PC2241 |
| PL2368 | PVC DN 160  | 147,60 | 379,45 | PC2244 | PC2239 |
| PL2369 | PVC DN 110  | 101,60 | 363,55 | PC2244 | PC2222 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>72/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL2370 | PVC DN 160    | 147,60 | 39,99    | PC2245 | PC2244 |
| PL2371 | PVC DN 160    | 147,60 | 77,73    | PC2246 | PC2245 |
| PL2372 | PVC DN 110    | 101,60 | 105,22   | PC2246 | PC2247 |
| PL2373 | PEHD DN 110   | 96,80  | 170,88   | PC2247 | PC2248 |
| PL2374 | PVC DN 110    | 101,60 | 217,56   | PC2248 | PC2220 |
| PL2375 | PVC DN 110    | 101,60 | 198,75   | PC2247 | PC2249 |
| PL2376 | PVC DN 90     | 81,40  | 27,46    | PC2249 | PC2250 |
| PL2377 | PVC DN 110    | 101,60 | 244,24   | PC2249 | PC2167 |
| PL2378 | PVC DN 160    | 147,60 | 79,79    | PC2251 | PC2246 |
| PL2379 | PVC DN 160    | 147,60 | 107,35   | PC2191 | PC2251 |
| PL237A | PVC DN 280    | 258,60 | 54,71    | PC136  | PC136D |
| PL238  | PVC DN 110    | 101,60 | 51,54    | PC136A | PC240  |
| PL2380 | PVC DN 110    | 101,60 | 282,86   | PC2252 | PC2251 |
| PL2381 | PVC DN 160    | 147,60 | 274,67   | PC2253 | PC2245 |
| PL2382 | PVC DN 315    | 290,80 | 77,03    | PC2202 | PC2252 |
| PL2383 | PVC DN 315    | 290,80 | 86,87    | PC2252 | PC2253 |
| PL2384 | DUCTIL DN 300 | 301,60 | 83,13    | PC2252 | PC2254 |
| PL2385 | PVC DN 160    | 147,60 | 30,93    | PC2254 | PC2253 |
| PL2386 | DUCTIL DN 300 | 301,60 | 949,43   | PC2254 | PC2255 |
| PL2387 | PVC DN 110    | 101,60 | 786,59   | PC2255 | PC2256 |
| PL2388 | PVC DN 110    | 101,60 | 91,19    | PC2256 | PC2257 |
| PL2389 | PVC DN 110    | 101,60 | 12,60    | PC2258 | PC2257 |
| PL239  | PVC DN 110    | 101,60 | 703,40   | PC240  | PC241  |
| PL2390 | PVC DN 110    | 101,60 | 182,14   | PC2257 | PC2259 |
| PL2391 | PVC DN 90     | 81,40  | 39,76    | PC2260 | PC2259 |
| PL2392 | PVC DN 110    | 101,60 | 56,73    | PC2259 | PC2261 |
| PL2393 | PVC DN 110    | 101,60 | 61,85    | PC2256 | PC2262 |
| PL2394 | PVC DN 90     | 81,40  | 12,87    | PC2263 | PC2262 |
| PL2395 | PVC DN 110    | 101,60 | 202,96   | PC2262 | PC2264 |
| PL2396 | PVC DN 315    | 290,80 | 383,54   | PC2265 | PC2255 |
| PL2397 | PVC DN 315    | 290,80 | 239,77   | PC2266 | PC2265 |
| PL2398 | PVC DN 315    | 290,80 | 65,69    | PC2266 | PC2267 |
| PL2399 | PEHD DN 225   | 198,20 | 207,88   | PC2269 | PC2266 |
| PL24   | PEHD DN 75    | 66,00  | 531,46   | PC23   | PC24   |
| PL240  | PVC DN 110    | 101,60 | 972,36   | PC240  | PC242  |
| PL2400 | PEHD DN 225   | 198,20 | 275,31   | PC2269 | PC2270 |
| PL2401 | PVC DN 280    | 258,60 | 198,60   | PC2268 | PC2267 |
| PL2402 | DUCTIL DN 300 | 301,60 | 1.242,08 | PC2267 | PC2557 |
| PL2403 | PEHD DN 225   | 198,20 | 56,32    | PC2268 | PC2269 |
| PL2404 | PVC DN 280    | 258,60 | 492,29   | PC2268 | PC2271 |
| PL2405 | PVC DN 280    | 258,60 | 150,73   | PC2271 | PC2272 |
| PL2406 | PEHD DN 160   | 141,00 | 23,65    | PC2272 | PC2273 |
| PL2407 | PEHD DN 160   | 141,00 | 32,11    | PC2273 | PC2274 |
| PL2408 | PEHD DN 110   | 96,80  | 39,01    | PC2273 | PC2275 |
| PL2409 | PVC DN 280    | 258,60 | 162,33   | PC2272 | PC2276 |
| PL241  | PEHD DN 75    | 66,00  | 119,70   | PC242  | PC243  |
| PL2410 | PVC DN 280    | 258,60 | 109,66   | PC2276 | PC2277 |
| PL2411 | PVC DN 110    | 101,60 | 15,81    | PC2277 | PC2278 |
| PL2412 | PVC DN 110    | 101,60 | 122,40   | PC2278 | PC2279 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>73/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL2413  | PEHD DN 63  | 55,40  | 17,66  | PC2280 | PC2279 |
| PL2414  | PVC DN 110  | 101,60 | 38,69  | PC2279 | PC2281 |
| PL2415  | PVC DN 110  | 101,60 | 71,32  | PC2281 | PC2282 |
| PL2416  | PVC DN 140  | 129,60 | 198,41 | PC2278 | PC2282 |
| PL2417  | PVC DN 140  | 129,60 | 45,47  | PC2283 | PC2282 |
| PL2418  | PEHD DN 160 | 141,00 | 69,36  | PC2283 | PC2284 |
| PL2419  | PEHD DN 110 | 96,80  | 43,26  | PC2284 | PC2285 |
| PL242   | PEHD DN 63  | 55,40  | 195,09 | PC243  | PC244  |
| PL2420  | PEHD DN 160 | 141,00 | 88,44  | PC2276 | PC2284 |
| PL2421  | PVC DN 110  | 101,60 | 119,16 | PC2281 | PC2286 |
| PL2422  | PVC DN 110  | 101,60 | 46,94  | PC2286 | PC2287 |
| PL2423  | PVC DN 140  | 129,60 | 75,48  | PC2287 | PC2288 |
| PL2423A | PVC DN 140  | 129,60 | 78,02  | PC2312 | PC2287 |
| PL2424  | PVC DN 140  | 129,60 | 86,44  | PC2288 | PC2283 |
| PL2425  | PVC DN 110  | 101,60 | 113,81 | PC2288 | PC2289 |
| PL2426  | PVC DN 110  | 101,60 | 187,38 | PC2289 | PC2291 |
| PL2427  | PVC DN 110  | 101,60 | 51,50  | PC2291 | PC2292 |
| PL2428  | PVC DN 110  | 101,60 | 94,84  | PC2291 | PC2293 |
| PL2429  | PVC DN 110  | 101,60 | 28,75  | PC2293 | PC2294 |
| PL243   | PVC DN 110  | 101,60 | 41,78  | PC242  | PC245  |
| PL2430  | PVC DN 110  | 101,60 | 188,51 | PC2290 | PC2293 |
| PL2431  | PVC DN 110  | 101,60 | 95,13  | PC2290 | PC2289 |
| PL2432  | PVC DN 280  | 258,60 | 43,39  | PC2277 | PC2300 |
| PL2433  | PEHD DN 280 | 246,80 | 43,35  | PC2300 | PC2277 |
| PL2434  | PVC DN 110  | 101,60 | 95,11  | PC2300 | PC2301 |
| PL2435  | PVC DN 110  | 101,60 | 33,06  | PC2301 | PC2302 |
| PL2436  | PVC DN 110  | 101,60 | 127,77 | PC2301 | PC2303 |
| PL2437  | PEHD DN 225 | 198,20 | 231,80 | PC2295 | PC2300 |
| PL2438  | PEHD DN 110 | 96,80  | 49,17  | PC2296 | PC2295 |
| PL2439  | PEHD DN 63  | 55,40  | 24,42  | PC2296 | PC2297 |
| PL244   | PEHD DN 75  | 66,00  | 560,84 | PC246A | PC247  |
| PL2440  | PEHD DN 110 | 96,80  | 39,78  | PC2298 | PC2296 |
| PL2441  | PEHD DN 110 | 96,80  | 98,14  | PC2298 | PC2299 |
| PL2442  | PEHD DN 110 | 96,80  | 284,93 | PC2298 | PC2286 |
| PL2443  | PEHD DN 225 | 198,20 | 18,08  | PC2295 | PC2309 |
| PL2444  | PEHD DN 225 | 198,20 | 64,04  | PC2309 | PC2304 |
| PL2445  | PVC DN 110  | 101,60 | 29,55  | PC2304 | PC2305 |
| PL2446  | PEHD DN 90  | 79,20  | 16,50  | PC2305 | PC2306 |
| PL2447  | PVC DN 110  | 101,60 | 3,22   | PC2305 | PC2307 |
| PL2448  | PEHD DN 90  | 79,20  | 21,57  | PC2307 | PC2308 |
| PL2449  | LŽ DN 200   | 200,00 | 17,34  | PC2310 | PC2304 |
| PL245   | PEHD DN 110 | 96,80  | 110,33 | PC245  | PC246  |
| PL2450  | LŽ DN 100   | 100,00 | 245,89 | PC2310 | PC2311 |
| PL2451  | LŽ DN 100   | 100,00 | 239,08 | PC2311 | PC2312 |
| PL2452  | LŽ DN 100   | 100,00 | 38,16  | PC2312 | PC2313 |
| PL2453  | LŽ DN 100   | 100,00 | 34,57  | PC2313 | PC2314 |
| PL2453A | PVC DN 110  | 101,60 | 182,37 | PC2314 | PC2290 |
| PL2454  | LŽ DN 100   | 100,00 | 177,17 | PC2314 | PC2315 |
| PL2455  | PVC DN 110  | 101,60 | 39,11  | PC2315 | PC2316 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|---|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>74/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL2456  | PVC DN 160    | 147,60 | 167,01   | PC2316 | PC2254 |
| PL2457  | LŽ DN 200     | 200,00 | 29,79    | PC2317 | PC2310 |
| PL2458  | LŽ DN 200     | 200,00 | 50,95    | PC2318 | PC2317 |
| PL2459  | LŽ DN 200     | 200,00 | 26,04    | PC2319 | PC2318 |
| PL2459A | LŽ DN 150     | 150,00 | 38,85    | PC2319 | PC2346 |
| PL2459B | PEHD DN 110   | 96,80  | 38,55    | PC2346 | PC2318 |
| PL246   | PEHD DN 75    | 66,00  | 635,15   | PC246  | PC248  |
| PL2460  | LŽ DN 200     | 200,00 | 171,84   | PC2320 | PC2319 |
| PL2461  | LŽ DN 350     | 350,00 | 22,48    | PC2321 | PC2320 |
| PL2462  | LŽ DN 100     | 100,00 | 355,05   | PC2068 | PC2321 |
| PL2463  | LŽ DN 350     | 350,00 | 56,34    | PC2322 | PC2321 |
| PL2464  | LŽ DN 350     | 350,00 | 24,07    | PC2322 | PC2323 |
| PL2465  | LŽ DN 350     | 350,00 | 127,98   | PC2324 | PC2322 |
| PL2466  | PEHD DN 110   | 96,80  | 73,14    | PC2324 | PC2325 |
| PL2467  | PEHD DN 90    | 79,20  | 123,30   | PC2325 | PC2326 |
| PL2468  | PEHD DN 110   | 96,80  | 103,56   | PC2325 | PC2327 |
| PL2469  | PEHD DN 90    | 79,20  | 124,08   | PC2327 | PC2328 |
| PL247   | PEHD DN 75    | 66,00  | 1.030,93 | PC248  | PC249A |
| PL2470  | LŽ DN 350     | 350,00 | 138,37   | PC2123 | PC2324 |
| PL2471  | AC DN 100     | 100,00 | 246,17   | PC2327 | PC2329 |
| PL2472  | AC DN 100     | 100,00 | 189,51   | PC2329 | PC2330 |
| PL2473  | AC DN 80      | 80,00  | 129,38   | PC2330 | PC2331 |
| PL2474  | AC DN 100     | 100,00 | 129,51   | PC2332 | PC2330 |
| PL2475  | AC DN 80      | 80,00  | 61,54    | PC2332 | PC2333 |
| PL2476  | AC DN 80      | 80,00  | 57,86    | PC2332 | PC2334 |
| PL2477  | AC DN 80      | 80,00  | 33,32    | PC2334 | PC2335 |
| PL2478  | AC DN 80      | 80,00  | 148,45   | PC2334 | PC2336 |
| PL2479  | PEHD DN 90    | 79,20  | 155,36   | PC2337 | PC2336 |
| PL248   | PEHD DN 63    | 55,40  | 77,82    | PC249  | PC250  |
| PL2480  | AC DN 100     | 100,00 | 60,63    | PC2332 | PC2337 |
| PL2481  | AC DN 100     | 100,00 | 67,04    | PC2337 | PC2311 |
| PL2482  | PEHD DN 110   | 96,80  | 532,46   | PC2327 | PC2338 |
| PL2483  | PEHD DN 110   | 96,80  | 140,65   | PC2338 | PC2313 |
| PL2484  | LŽ DN 300     | 300,00 | 115,34   | PC2320 | PC2339 |
| PL2485  | LŽ DN 300     | 300,00 | 16,40    | PC2339 | PC2340 |
| PL2486  | LŽ DN 300     | 300,00 | 49,91    | PC2340 | PC2341 |
| PL2487  | PEHD DN 110   | 96,80  | 31,05    | PC2341 | PC2342 |
| PL2488  | PEHD DN 110   | 96,80  | 40,45    | PC2343 | PC2342 |
| PL2489  | AC DN 100     | 100,00 | 39,99    | PC2344 | PC2343 |
| PL249   | PEHD DN 40    | 35,20  | 297,89   | PC250  | PC251  |
| PL2490  | AC DN 100     | 100,00 | 64,85    | PC2345 | PC2344 |
| PL2491  | PEHD DN 110   | 96,80  | 47,01    | PC2342 | PC2345 |
| PL2492  | PEHD DN 110   | 96,80  | 147,20   | PC2345 | PC2346 |
| PL2493  | LŽ DN 150     | 150,00 | 57,65    | PC2346 | PC2347 |
| PL2494  | LŽ DN 150     | 150,00 | 140,66   | PC2347 | PC2348 |
| PL2495  | PEHD DN 110   | 96,80  | 82,16    | PC2347 | PC2348 |
| PL2496  | DUCTIL DN 300 | 301,60 | 0,90     | PC2341 | PC2349 |
| PL2497  | PEHD DN 110   | 96,80  | 50,67    | PC2349 | PC2350 |
| PL2498  | PEHD DN 110   | 96,80  | 45,98    | PC2451 | PC2341 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>75/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKOŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL2499  | PEHD DN 110   | 96,80  | 54,90  | PC2451 | PC2452 |
| PL25    | PVC DN 90     | 81,40  | 369,11 | PC23   | PC25   |
| PL250   | PEHD DN 63    | 55,40  | 275,77 | PC250  | PC252  |
| PL2500  | DUCTIL DN 300 | 301,60 | 122,25 | PC2349 | PC2453 |
| PL2501  | PEHD DN 110   | 96,80  | 76,38  | PC2453 | PC2451 |
| PL2502  | DUCTIL DN 250 | 250,40 | 216,48 | PC2453 | PC2454 |
| PL2502A | PEHD DN 110   | 96,80  | 216,31 | PC2453 | PC2455 |
| PL2503  | PEHD DN 160   | 141,00 | 103,16 | PC2455 | PC2456 |
| PL2504  | PEHD DN 110   | 96,80  | 55,89  | PC2456 | PC2457 |
| PL2505  | PEHD DN 160   | 141,00 | 81,97  | PC2317 | PC2456 |
| PL2506  | DUCTIL DN 250 | 250,40 | 138,58 | PC2454 | PC2458 |
| PL2506A | PEHD DN 110   | 96,80  | 138,62 | PC2455 | PC2459 |
| PL2507  | PEHD DN 110   | 96,80  | 189,29 | PC2309 | PC2459 |
| PL2507A | PEHD DN 160   | 141,00 | 191,45 | PC2460 | PC2295 |
| PL2508  | DUCTIL DN 250 | 250,40 | 37,45  | PC2458 | PC2460 |
| PL2509  | DUCTIL DN 250 | 250,40 | 268,72 | PC2460 | PC2461 |
| PL2509A | PEHD DN 110   | 96,80  | 268,72 | PC2461 | PC2460 |
| PL251   | PEHD DN 63    | 55,40  | 341,01 | PC252  | PC253  |
| PL2510  | PEHD DN 160   | 141,00 | 41,70  | PC2461 | PC2462 |
| PL2511  | PEHD DN 160   | 141,00 | 97,22  | PC2462 | PC2463 |
| PL2512  | LŽ DN 150     | 150,00 | 187,84 | PC2464 | PC2463 |
| PL2513  | DUCTIL DN 250 | 250,40 | 174,52 | PC2461 | PC2464 |
| PL2513A | PEHD DN 110   | 96,80  | 174,85 | PC2464 | PC2461 |
| PL2514  | PEHD DN 110   | 96,80  | 63,65  | PC2464 | PC2465 |
| PL2515  | PEHD DN 280   | 246,80 | 134,72 | PC2464 | PC2277 |
| PL2516  | PEHD DN 110   | 96,80  | 71,03  | PC2465 | PC2277 |
| PL2517  | PEHD DN 32    | 28,20  | 14,33  | PC2466 | PC2465 |
| PL2518  | PEHD DN 25    | 21,40  | 5,58   | PC2466 | PC2467 |
| PL2519  | PEHD DN 25    | 21,40  | 16,80  | PC2466 | PC2468 |
| PL252   | PEHD DN 63    | 55,40  | 441,58 | PC249  | PC254  |
| PL2520  | PEHD DN 32    | 28,20  | 16,06  | PC2466 | PC2469 |
| PL2521  | PEHD DN 25    | 21,40  | 11,26  | PC2469 | PC2470 |
| PL2522  | PEHD DN 25    | 21,40  | 23,92  | PC2469 | PC2471 |
| PL2523  | PEHD DN 25    | 21,40  | 18,19  | PC2471 | PC2473 |
| PL2524  | PEHD DN 25    | 21,40  | 14,82  | PC2471 | PC2472 |
| PL2525  | LŽ DN 150     | 150,00 | 113,99 | PC2458 | PC2351 |
| PL2526  | PVC DN 110    | 101,60 | 37,19  | PC2351 | PC2352 |
| PL2527  | PVC DN 110    | 101,60 | 35,87  | PC2352 | PC2353 |
| PL2528  | PVC DN 110    | 101,60 | 9,77   | PC2352 | PC2354 |
| PL2529  | PVC DN 110    | 101,60 | 86,98  | PC2355 | PC2354 |
| PL253   | PEHD DN 32    | 28,20  | 92,85  | PC254  | PC255  |
| PL2530  | PVC DN 110    | 101,60 | 131,14 | PC2354 | PC2355 |
| PL2531  | LŽ DN 150     | 150,00 | 22,44  | PC2351 | PC2356 |
| PL2532  | LŽ DN 150     | 150,00 | 80,42  | PC2357 | PC2356 |
| PL2533  | LŽ DN 150     | 150,00 | 181,90 | PC2357 | PC2358 |
| PL2534  | PVC DN 110    | 101,60 | 89,73  | PC2358 | PC2359 |
| PL2535  | LŽ DN 150     | 150,00 | 17,95  | PC2358 | PC2360 |
| PL2536  | PEHD DN 225   | 198,20 | 58,84  | PC2360 | PC2361 |
| PL2537  | DUCTIL DN 200 | 199,40 | 79,48  | PC2361 | PC2362 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>76/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |        |        |        |
|--------|---------------|--------|--------|--------|--------|
| PL2538 | PEHD DN 110   | 96,80  | 10,29  | PC2362 | PC2363 |
| PL2539 | DUCTIL DN 200 | 199,40 | 34,85  | PC2362 | PC2453 |
| PL254  | PEHD DN 40    | 35,20  | 398,59 | PC254  | PC256  |
| PL2540 | DUCTIL DN 250 | 250,40 | 51,61  | PC2364 | PC2453 |
| PL2541 | DUCTIL DN 250 | 250,40 | 43,17  | PC2365 | PC2364 |
| PL2542 | PVC DN 225    | 207,80 | 108,43 | PC2365 | PC2366 |
| PL2543 | DUCTIL DN 250 | 250,40 | 329,30 | PC1976 | PC2365 |
| PL2544 | PVC DN 225    | 207,80 | 88,96  | PC2367 | PC2364 |
| PL2545 | PVC DN 110    | 101,60 | 43,07  | PC2367 | PC2368 |
| PL2546 | AC DN 100     | 100,00 | 66,59  | PC2369 | PC2367 |
| PL2547 | PEHD DN 225   | 198,20 | 84,52  | PC2369 | PC1977 |
| PL2548 | PEHD DN 225   | 198,20 | 76,91  | PC2370 | PC2369 |
| PL2549 | AC DN 100     | 100,00 | 87,59  | PC2370 | PC2371 |
| PL255  | PVC DN 110    | 101,60 | 174,47 | PC245  | PC257  |
| PL2550 | AC DN 100     | 100,00 | 142,65 | PC2371 | PC2369 |
| PL2551 | PEHD DN 225   | 198,20 | 45,37  | PC2361 | PC2370 |
| PL2552 | LŽ DN 200     | 200,00 | 124,26 | PC2360 | PC2372 |
| PL2553 | PEHD DN 225   | 198,20 | 62,60  | PC2373 | PC2372 |
| PL2554 | PEHD DN 225   | 198,20 | 149,11 | PC2373 | PC2374 |
| PL2555 | PEHD DN 160   | 141,00 | 79,83  | PC2374 | PC2375 |
| PL2556 | PVC DN 140    | 123,40 | 274,32 | PC2374 | PC2376 |
| PL2557 | PEHD DN 160   | 141,00 | 82,72  | PC2374 | PC2377 |
| PL2558 | PEHD DN 110   | 96,80  | 59,28  | PC2377 | PC2378 |
| PL2559 | PEHD DN 160   | 141,00 | 63,11  | PC2377 | PC2379 |
| PL256  | PEHD DN 40    | 35,20  | 69,18  | PC257  | PC258  |
| PL2560 | PEHD DN 110   | 96,80  | 234,25 | PC2379 | PC2380 |
| PL2561 | PEHD DN 110   | 96,80  | 116,50 | PC2381 | PC2379 |
| PL2562 | PEHD DN 110   | 96,80  | 90,36  | PC2382 | PC2381 |
| PL2563 | PEHD DN 160   | 141,00 | 214,44 | PC2373 | PC2381 |
| PL2564 | PEHD DN 110   | 96,80  | 9,19   | PC2382 | PC2383 |
| PL2565 | PEHD DN 110   | 96,80  | 65,98  | PC2384 | PC2383 |
| PL2566 | PEHD DN 90    | 79,20  | 88,09  | PC2385 | PC2384 |
| PL2567 | LŽ DN 150     | 150,00 | 113,90 | PC2356 | PC2385 |
| PL2568 | PEHD DN 110   | 96,80  | 87,71  | PC2384 | PC2386 |
| PL257  | PVC DN 110    | 101,60 | 509,26 | PC257  | PC259  |
| PL258  | PEHD DN 75    | 66,00  | 212,85 | PC259  | PC260  |
| PL2589 | PEHD DN 110   | 96,80  | 130,65 | PC2386 | PC2357 |
| PL259  | PVC DN 110    | 101,60 | 638,66 | PC259  | PC261  |
| PL2590 | PEHD DN 110   | 96,80  | 131,07 | PC2388 | PC2386 |
| PL2591 | PEHD DN 90    | 79,20  | 61,93  | PC2387 | PC2386 |
| PL2592 | PEHD DN 110   | 96,80  | 162,21 | PC2372 | PC2387 |
| PL2593 | PEHD DN 110   | 96,80  | 92,28  | PC2387 | PC2382 |
| PL2594 | AC DN 150     | 150,00 | 111,65 | PC2385 | PC2389 |
| PL2595 | LŽ DN 150     | 150,00 | 96,44  | PC2389 | PC2390 |
| PL2596 | AC DN 150     | 150,00 | 98,74  | PC2390 | PC2391 |
| PL2597 | PEHD DN 110   | 96,80  | 114,57 | PC2391 | PC2392 |
| PL2598 | PEHD DN 160   | 141,00 | 161,50 | PC2392 | PC2393 |
| PL2599 | PEHD DN 110   | 96,80  | 106,48 | PC2383 | PC2390 |
| PL26   | PVC DN 63     | 57,00  | 60,44  | PC25   | PC26   |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>77/512       |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL260  | PEHD DN 63  | 55,40  | 533,87 | PC261  | PC262  |
| PL2600 | PVC DN 160  | 147,60 | 113,52 | PC2381 | PC2391 |
| PL2601 | PEHD DN 160 | 141,00 | 113,66 | PC2379 | PC2392 |
| PL2602 | PEHD DN 110 | 96,80  | 185,32 | PC2392 | PC2394 |
| PL2603 | PEHD DN 110 | 96,80  | 58,16  | PC2394 | PC2395 |
| PL2604 | PEHD DN 110 | 96,80  | 114,23 | PC2394 | PC2396 |
| PL2605 | AC DN 150   | 150,00 | 190,65 | PC2391 | PC2396 |
| PL2606 | PEHD DN 110 | 96,80  | 124,08 | PC2398 | PC2397 |
| PL2607 | PEHD DN 110 | 96,80  | 140,49 | PC2390 | PC2398 |
| PL2608 | PEHD DN 90  | 79,20  | 108,55 | PC2396 | PC2397 |
| PL2609 | PEHD DN 110 | 96,80  | 92,94  | PC2398 | PC2399 |
| PL261  | PVC DN 110  | 101,60 | 216,67 | PC261  | PC263  |
| PL2610 | PEHD DN 110 | 96,80  | 44,53  | PC2400 | PC2399 |
| PL2611 | PEHD DN 160 | 141,00 | 105,15 | PC2401 | PC2400 |
| PL2612 | AC DN 150   | 150,00 | 196,31 | PC2401 | PC2389 |
| PL2613 | PEHD DN 160 | 141,00 | 175,44 | PC2461 | PC2401 |
| PL2614 | PEHD DN 110 | 96,80  | 142,97 | PC2396 | PC2402 |
| PL2615 | PVC DN 140  | 129,60 | 83,88  | PC2402 | PC2403 |
| PL2616 | PEHD DN 110 | 96,80  | 131,90 | PC2397 | PC2403 |
| PL2617 | PVC DN 140  | 129,60 | 82,66  | PC2403 | PC2404 |
| PL2618 | PEHD DN 110 | 96,80  | 197,87 | PC2399 | PC2404 |
| PL2619 | PVC DN 140  | 129,60 | 91,40  | PC2404 | PC2405 |
| PL262  | PEHD DN 75  | 66,00  | 254,32 | PC263  | PC264  |
| PL2620 | PEHD DN 160 | 141,00 | 13,49  | PC2406 | PC2405 |
| PL2621 | PEHD DN 160 | 141,00 | 151,03 | PC2400 | PC2406 |
| PL2622 | PEHD DN 160 | 141,00 | 194,66 | PC2405 | PC2407 |
| PL2623 | PEHD DN 160 | 141,00 | 141,99 | PC2407 | PC2408 |
| PL2624 | PEHD DN 160 | 141,00 | 13,62  | PC2408 | PC2409 |
| PL2625 | PEHD DN 160 | 141,00 | 9,63   | PC2408 | PC2410 |
| PL2626 | PEHD DN 90  | 79,20  | 152,30 | PC2411 | PC2410 |
| PL2627 | PEHD DN 110 | 96,80  | 126,37 | PC2412 | PC2411 |
| PL2628 | PEHD DN 110 | 96,80  | 313,01 | PC2402 | PC2411 |
| PL2629 | PEHD DN 110 | 96,80  | 218,06 | PC2403 | PC2412 |
| PL263  | PVC DN 110  | 101,60 | 283,58 | PC263  | PC265  |
| PL2630 | PEHD DN 110 | 96,80  | 191,55 | PC2404 | PC2412 |
| PL2631 | AC DN 100   | 100,00 | 97,76  | PC2413 | PC2406 |
| PL2632 | PEHD DN 110 | 96,80  | 162,95 | PC2414 | PC2413 |
| PL2633 | PEHD DN 110 | 96,80  | 69,70  | PC2415 | PC2414 |
| PL2634 | PEHD DN 90  | 79,20  | 124,08 | PC2415 | PC2416 |
| PL2635 | PEHD DN 110 | 96,80  | 106,97 | PC2417 | PC2415 |
| PL2636 | PEHD DN 110 | 96,80  | 32,43  | PC2418 | PC2417 |
| PL2637 | PEHD DN 160 | 141,00 | 17,43  | PC2418 | PC2462 |
| PL2638 | PEHD DN 110 | 96,80  | 1,50   | PC2419 | PC2417 |
| PL2639 | PEHD DN 90  | 79,20  | 103,71 | PC2419 | PC2420 |
| PL264  | PEHD DN 63  | 55,40  | 618,57 | PC265  | PC266  |
| PL2640 | PEHD DN 110 | 96,80  | 176,91 | PC2421 | PC2419 |
| PL2641 | PEHD DN 160 | 141,00 | 96,91  | PC2463 | PC2423 |
| PL2642 | PEHD DN 160 | 141,00 | 23,52  | PC2424 | PC2423 |
| PL2643 | PEHD DN 160 | 141,00 | 25,18  | PC2423 | PC2422 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |  |                          |  |
|---|--|--|--------------------------|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          |  | Elaborat:  | Stranica:<br>78/512      |  |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |  |

|        |             |        |        |         |         |
|--------|-------------|--------|--------|---------|---------|
| PL2644 | AC DN 100   | 100,00 | 60,57  | PC2422  | PC2421  |
| PL2645 | AC DN 150   | 150,00 | 81,93  | PC2421  | PC2425  |
| PL2646 | AC DN 100   | 100,00 | 99,80  | PC2425  | PC2413  |
| PL2647 | AC DN 100   | 100,00 | 59,09  | PC2426  | PC2407  |
| PL2648 | AC DN 100   | 100,00 | 100,34 | PC2426  | PC2427  |
| PL2649 | AC DN 100   | 100,00 | 586,62 | PC2427  | PC2428  |
| PL265  | PEHD DN 40  | 35,20  | 420,72 | PC266   | PC267   |
| PL2650 | AC DN 100   | 100,00 | 99,09  | PC2425  | PC2428  |
| PL2651 | AC DN 100   | 100,00 | 73,61  | PC2428  | PC2429  |
| PL2652 | AC DN 100   | 100,00 | 304,18 | PC2427  | PC2429  |
| PL2653 | AC DN 100   | 100,00 | 209,30 | PC2429  | PC2426  |
| PL2654 | AC DN 100   | 100,00 | 273,96 | PC2413  | PC2426  |
| PL2655 | PEHD DN 160 | 141,00 | 350,42 | PC2422  | PC2430  |
| PL2656 | PVC DN 160  | 147,60 | 341,51 | PC2430  | PC2431  |
| PL2657 | PVC DN 110  | 101,60 | 131,46 | PC2431  | PC2432  |
| PL2658 | PVC DN 160  | 147,60 | 47,28  | PC2431  | PC2433  |
| PL2659 | PVC DN 110  | 101,60 | 78,76  | PC2433  | PC2434  |
| PL266  | PEHD DN 225 | 198,20 | 313,41 | PC268   | PC136   |
| PL2660 | PVC DN 110  | 101,60 | 96,93  | PC2434  | PC2435  |
| PL2661 | PVC DN 110  | 101,60 | 150,94 | PC2434  | PC2436  |
| PL2662 | PVC DN 160  | 147,60 | 359,97 | PC2433  | PC2437  |
| PL2663 | PVC DN 90   | 81,40  | 65,81  | PC2437  | PC2438  |
| PL2664 | PVC DN 160  | 147,60 | 362,75 | PC2437  | PC2439  |
| PL2665 | PVC DN 110  | 101,60 | 160,03 | PC2439  | PC2440  |
| PL2666 | PEHD DN 160 | 141,00 | 400,33 | PC2441  | PC2410  |
| PL2667 | PEHD DN 225 | 198,20 | 68,91  | PL2442A | PC2443  |
| PL2668 | PEHD DN 110 | 96,80  | 397,62 | PC2444  | PC243A  |
| PL2669 | PEHD DN 110 | 96,80  | 139,22 | PC2445  | PC2444  |
| PL267  | PVC DN 280  | 258,60 | 322,58 | PC269   | PC268   |
| PL2670 | PEHD DN 110 | 96,80  | 31,95  | PC24446 | PC2445  |
| PL2671 | PEHD DN 90  | 79,20  | 145,75 | PC24446 | PC2447  |
| PL2672 | PEHD DN 110 | 96,80  | 132,57 | PC2448  | PC24446 |
| PL2673 | PEHD DN 110 | 96,80  | 155,92 | PC2448  | PC2449  |
| PL2674 | PEHD DN 110 | 96,80  | 10,49  | PC2450  | PC2448  |
| PL2675 | PEHD DN 225 | 198,20 | 281,50 | PC2442  | PC2450  |
| PL2676 | PVC DN 110  | 101,60 | 127,25 | PC2445  | PC2474  |
| PL2677 | PVC DN 110  | 101,60 | 115,59 | PC2474  | PC2475  |
| PL2678 | PEHD DN 110 | 96,80  | 29,07  | PC2475  | PC2476  |
| PL2679 | PEHD DN 110 | 96,80  | 381,11 | PC2444  | PC2477  |
| PL268  | PVC DN 280  | 258,60 | 550,95 | PC555   | PC269   |
| PL2680 | PVC DN 110  | 101,60 | 311,10 | PC2478  | PC2474  |
| PL2681 | PEHD DN 110 | 96,80  | 180,51 | PC2479  | PC2478  |
| PL2682 | PEHD DN 225 | 198,20 | 536,84 | PC2479  | PC2450  |
| PL2683 | PEHD DN 225 | 198,20 | 327,92 | PC2479  | PC1247  |
| PL2685 | PEHD DN 110 | 96,80  | 63,29  | PC2481  | PC2482  |
| PL2686 | PEHD DN 160 | 141,00 | 491,82 | PC2481  | PC2483  |
| PL2687 | PVC DN 110  | 101,60 | 63,39  | PC2483  | PC2484  |
| PL2688 | PVC DN 110  | 101,60 | 179,45 | PC2484  | PC2485  |
| PL2689 | PVC DN 110  | 101,60 | 140,73 | PC2485  | PC2486  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>79/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL269   | PVC DN 160  | 147,60 | 846,12 | PC269A | PC270  |
| PL2690  | PEHD DN 110 | 96,80  | 116,23 | PC2485 | PC2487 |
| PL2691  | PEHD DN 110 | 96,80  | 107,94 | PC2487 | PC2488 |
| PL2692  | PEHD DN 110 | 96,80  | 86,81  | PC2487 | PC2490 |
| PL2693  | PEHD DN 110 | 96,80  | 168,34 | PC2487 | PC2489 |
| PL2694  | PVC DN 110  | 101,60 | 770,84 | PC2484 | PC2491 |
| PL2695  | PEHD DN 110 | 96,80  | 422,47 | PC2483 | PC2492 |
| PL2696  | PEHD DN 110 | 96,80  | 108,47 | PC2492 | PC2493 |
| PL2697  | PEHD DN 110 | 96,80  | 72,57  | PC2492 | PC2494 |
| PL2699  | PVC DN 160  | 147,60 | 564,12 | PC2495 | PC2496 |
| PL27    | PVC DN 90   | 81,40  | 74,82  | PC25   | PC27   |
| PL270   | PEHD DN 63  | 55,40  | 166,68 | PC270  | PC271  |
| PL2701  | PVC DN 160  | 147,60 | 152,44 | PC2497 | PC2498 |
| PL2702  | PVC DN 160  | 147,60 | 51,90  | PC2498 | PC2499 |
| PL2703  | PVC DN 110  | 101,60 | 95,47  | PC2499 | PC2500 |
| PL2704  | PVC DN 110  | 101,60 | 125,15 | PC2500 | PC2501 |
| PL2704A | PVC DN 110  | 101,60 | 129,56 | PC2499 | PC2504 |
| PL2705  | PVC DN 110  | 101,60 | 134,48 | PC2501 | PC2502 |
| PL2706  | PVC DN 110  | 101,60 | 106,71 | PC2502 | PC2503 |
| PL2707  | PVC DN 110  | 101,60 | 135,62 | PC2504 | PC2503 |
| PL2708  | PVC DN 110  | 101,60 | 71,34  | PC2504 | PC2505 |
| PL2709  | PVC DN 110  | 101,60 | 108,53 | PC2501 | PC2504 |
| PL271   | PVC DN 160  | 147,60 | 366,15 | PC270  | PC272  |
| PL2710  | PVC DN 110  | 101,60 | 97,23  | PC2503 | PC2506 |
| PL2711  | PVC DN 110  | 101,60 | 87,30  | PC2506 | PC2507 |
| PL2712  | PVC DN 110  | 101,60 | 51,58  | PC2506 | PC2508 |
| PL2713  | PVC DN 160  | 147,60 | 112,35 | PC2509 | PC2498 |
| PL2714  | PVC DN 110  | 101,60 | 184,59 | PC2510 | PC2509 |
| PL2715  | PEHD DN 110 | 96,80  | 104,00 | PC2510 | PC2511 |
| PL2716  | PVC DN 280  | 258,60 | 66,73  | PC2511 | PC2512 |
| PL2717  | PEHD DN 90  | 79,20  | 38,76  | PC2512 | PC2513 |
| PL2718  | PEHD DN 90  | 79,20  | 104,20 | PC2513 | PC2514 |
| PL2719  | PVC DN 280  | 258,60 | 66,02  | PC2512 | PC2515 |
| PL272   | PEHD DN 63  | 55,40  | 212,98 | PC272  | PC273  |
| PL2720  | PEHD DN 63  | 55,40  | 89,46  | PC2515 | PC2516 |
| PL2721  | PVC DN 280  | 258,60 | 47,52  | PC2515 | PC2497 |
| PL2722  | PVC DN 280  | 258,60 | 278,03 | PC2517 | PC2511 |
| PL2723  | PVC DN 160  | 147,60 | 297,38 | PC2517 | PC2518 |
| PL2724  | PVC DN 110  | 101,60 | 119,82 | PC2518 | PC2519 |
| PL2725  | PVC DN 110  | 101,60 | 87,96  | PC2518 | PC2520 |
| PL2726  | PVC DN 280  | 258,60 | 62,70  | PC2521 | PC2517 |
| PL2727  | PVC DN 160  | 147,60 | 8,99   | PC2522 | PC2521 |
| PL2728  | PVC DN 110  | 101,60 | 134,79 | PC2522 | PC2523 |
| PL2729  | PVC DN 110  | 101,60 | 98,74  | PC2523 | PC2510 |
| PL273   | PVC DN 160  | 147,60 | 238,91 | PC272  | PC274  |
| PL2730  | PVC DN 160  | 147,60 | 350,26 | PC2524 | PC2522 |
| PL2731  | PVC DN 110  | 101,60 | 37,05  | PC2525 | PC2524 |
| PL2732  | PVC DN 110  | 101,60 | 90,44  | PC2525 | PC2526 |
| PL2733  | PVC DN 110  | 101,60 | 117,10 | PC2526 | PC2527 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>80/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL2734  | PVC DN 110    | 101,60 | 111,42 | PC2527 | PC2528 |
| PL2735  | PVC DN 110    | 101,60 | 99,63  | PC2526 | PC2529 |
| PL2736  | PEHD DN 90    | 79,20  | 89,04  | PC2529 | PC2530 |
| PL2737  | PVC DN 110    | 101,60 | 238,59 | PC2529 | PC2523 |
| PL2738  | PEHD DN 110   | 96,80  | 157,12 | PC2531 | PC2525 |
| PL2739  | PEHD DN 110   | 96,80  | 76,48  | PC2531 | PC2532 |
| PL274   | PVC DN 110    | 101,60 | 87,46  | PC274  | PC275  |
| PL2740  | PEHD DN 110   | 96,80  | 174,56 | PC2532 | PC2526 |
| PL2741  | PEHD DN 110   | 96,80  | 97,52  | PC2532 | PC2533 |
| PL2742  | PEHD DN 110   | 96,80  | 388,44 | PC2533 | PC2527 |
| PL2743  | PVC DN 280    | 258,60 | 86,55  | PC2521 | PC2534 |
| PL2744  | PEHD DN 90    | 79,20  | 155,77 | PC2534 | PC2535 |
| PL2745  | PEHD DN 90    | 79,20  | 59,41  | PC2535 | PC2536 |
| PL2746  | PEHD DN 90    | 79,20  | 124,39 | PC2535 | PC2537 |
| PL2747  | PEHD DN 90    | 79,20  | 96,65  | PC2540 | PC2537 |
| PL2748  | PVC DN 280    | 258,60 | 269,40 | PC2540 | PC2534 |
| PL2749  | PEHD DN 90    | 79,20  | 259,82 | PC2537 | PC2538 |
| PL275   | PVC DN 160    | 147,60 | 230,10 | PC274  | PC276  |
| PL2750  | PEHD DN 110   | 96,80  | 99,96  | PC2538 | PC2539 |
| PL2751  | PVC DN 280    | 258,60 | 82,50  | PC2540 | PC2541 |
| PL2752  | PVC DN 225    | 207,80 | 76,69  | PC2541 | PC2542 |
| PL2753  | PVC DN 110    | 101,60 | 208,14 | PC2542 | PC2543 |
| PL2754  | PVC DN 225    | 207,80 | 379,41 | PC2544 | PC2542 |
| PL2755  | PVC DN 110    | 101,60 | 210,74 | PC2544 | PC2545 |
| PL2755A | PVC DN 110    | 101,60 | 233,85 | PC2549 | PC2550 |
| PL2756  | PVC DN 110    | 101,60 | 146,06 | PC2545 | PC2548 |
| PL2757  | PVC DN 110    | 101,60 | 305,26 | PC2548 | PC2540 |
| PL2758  | PVC DN 110    | 101,60 | 303,47 | PC2548 | PC2547 |
| PL2759  | PVC DN 160    | 147,60 | 26,11  | PC2547 | PC2524 |
| PL276   | PVC DN 160    | 147,60 | 9,17   | PC276  | PC277  |
| PL2760  | PEHD DN 160   | 141,00 | 124,46 | PC2547 | PC2546 |
| PL2761  | PVC DN 110    | 101,60 | 302,03 | PC2546 | PC2545 |
| PL2762  | PEHD DN 160   | 141,00 | 114,66 | PC2551 | PC2546 |
| PL2763  | PEHD DN 110   | 96,80  | 108,32 | PC2550 | PC2545 |
| PL2764  | PVC DN 225    | 207,80 | 100,34 | PC2549 | PC2544 |
| PL2766  | PEHD DN 110   | 96,80  | 313,54 | PC2551 | PC2550 |
| PL2767  | PVC DN 225    | 207,80 | 139,14 | PC2552 | PC2549 |
| PL2768  | PEHD DN 160   | 141,00 | 84,38  | PC2554 | PC2551 |
| PL2769  | PVC DN 225    | 207,80 | 17,27  | PC2553 | PC2552 |
| PL277   | PEHD DN 160   | 141,00 | 61,13  | PC276  | PC279  |
| PL2770  | PEHD DN 160   | 141,00 | 570,70 | PC2554 | PC2552 |
| PL2771  | DUCTIL DN 300 | 301,60 | 567,77 | PC2555 | PC2553 |
| PL2772  | PEHD DN 160   | 141,00 | 20,19  | PC2555 | PC2554 |
| PL2773  | DUCTIL DN 300 | 301,60 | 292,61 | PC2556 | PC2555 |
| PL2774  | PEHD DN 160   | 141,00 | 295,15 | PC2556 | PC2555 |
| PL2775  | DUCTIL DN 300 | 301,60 | 39,83  | PC2557 | PC2556 |
| PL2776  | PVC DN 315    | 290,80 | 197,62 | PC2541 | PC2558 |
| PL2777  | PVC DN 110    | 101,60 | 197,89 | PC2541 | PC2558 |
| PL2778  | PEHD DN 90    | 79,20  | 1,09   | PC2559 | PC2560 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>81/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2779 | PVC DN 315  | 290,80 | 401,99 | PC2558 | PC2559 |
| PL278  | PEHD DN 63  | 55,40  | 56,98  | PC277  | PC278  |
| PL2780 | PVC DN 110  | 101,60 | 401,74 | PC2558 | PC2560 |
| PL2781 | PEHD DN 90  | 79,20  | 115,44 | PC2560 | PC2561 |
| PL2782 | PEHD DN 90  | 79,20  | 50,36  | PC2561 | PC2562 |
| PL2783 | PEHD DN 90  | 79,20  | 73,63  | PC2561 | PC2563 |
| PL2784 | PVC DN 315  | 290,80 | 244,76 | PC2559 | PC2564 |
| PL2785 | PVC DN 110  | 101,60 | 245,28 | PC2560 | PC2564 |
| PL2786 | PVC DN 110  | 101,60 | 516,35 | PC2564 | PC2565 |
| PL2787 | PVC DN 315  | 290,80 | 557,30 | PC2564 | PC2566 |
| PL2788 | PVC DN 160  | 147,60 | 232,99 | PC2566 | PC2567 |
| PL2789 | PVC DN 160  | 147,60 | 46,52  | PC2567 | PC2568 |
| PL279  | PEHD DN 160 | 141,00 | 197,55 | PC279  | PC280  |
| PL2790 | PEHD DN 110 | 96,80  | 84,86  | PC2568 | PC2569 |
| PL2791 | PVC DN 160  | 147,60 | 129,47 | PC2568 | PC2570 |
| PL2792 | PVC DN 110  | 101,60 | 246,22 | PC2570 | PC2571 |
| PL2793 | PVC DN 225  | 207,80 | 176,17 | PC2566 | PC2571 |
| PL2794 | PVC DN 225  | 207,80 | 149,73 | PC2571 | PC2573 |
| PL2795 | PVC DN 110  | 101,60 | 254,04 | PC2572 | PC2573 |
| PL2796 | PVC DN 160  | 147,60 | 146,17 | PC2570 | PC2572 |
| PL2797 | PVC DN 160  | 147,60 | 153,37 | PC2572 | PC2574 |
| PL2798 | PVC DN 160  | 147,60 | 17,23  | PC2574 | PC2575 |
| PL2799 | PVC DN 110  | 101,60 | 249,33 | PC2574 | PC2576 |
| PL28   | PEHD DN 75  | 66,00  | 22,15  | PC27   | PC28   |
| PL280  | PEHD DN 63  | 55,40  | 263,55 | PC278  | PC281  |
| PL2800 | PVC DN 225  | 207,80 | 149,70 | PC2573 | PC2576 |
| PL2801 | PVC DN 225  | 207,80 | 202,24 | PC2576 | PC2578 |
| PL2802 | PVC DN 110  | 101,60 | 420,82 | PC2578 | PC2579 |
| PL2803 | PVC DN 110  | 101,60 | 431,56 | PC2579 | PC2580 |
| PL2804 | PVC DN 160  | 147,60 | 129,73 | PC2579 | PC2581 |
| PL2805 | PVC DN 110  | 101,60 | 234,19 | PC2581 | PC2582 |
| PL2806 | PVC DN 110  | 101,60 | 262,50 | PC2581 | PC2583 |
| PL2807 | PVC DN 160  | 147,60 | 161,73 | PC2581 | PC2584 |
| PL2808 | PVC DN 110  | 101,60 | 209,23 | PC2584 | PC2585 |
| PL2809 | PVC DN 110  | 101,60 | 119,70 | PC2585 | PC2586 |
| PL281  | PVC DN 160  | 147,60 | 71,63  | PC277  | PC282  |
| PL2810 | PVC DN 110  | 101,60 | 168,02 | PC2585 | PC2587 |
| PL2811 | PVC DN 110  | 101,60 | 187,28 | PC2587 | PC2588 |
| PL2812 | PVC DN 110  | 101,60 | 233,94 | PC2587 | PC2589 |
| PL2813 | PVC DN 160  | 147,60 | 617,13 | PC2590 | PC2584 |
| PL2814 | PVC DN 110  | 101,60 | 77,29  | PC2590 | PC2591 |
| PL2815 | PVC DN 160  | 147,60 | 37,19  | PC2592 | PC2590 |
| PL2816 | PVC DN 160  | 147,60 | 563,71 | PC2593 | PC2592 |
| PL2817 | PVC DN 110  | 101,60 | 66,49  | PC2594 | PC2593 |
| PL2818 | PVC DN 110  | 101,60 | 338,98 | PC2595 | PC2594 |
| PL2819 | PVC DN 225  | 207,80 | 649,39 | PC2596 | PC2595 |
| PL282  | PEHD DN 110 | 96,80  | 655,35 | PC282  | PC283  |
| PL2820 | PVC DN 125  | 115,40 | 541,72 | PC2596 | PC2594 |
| PL2821 | PVC DN 225  | 207,80 | 84,26  | PC2597 | PC2596 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                          |
|---|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>82/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL2822 | PVC DN 110  | 101,60 | 57,03    | PC2597 | PC2598 |
| PL2823 | PVC DN 110  | 101,60 | 81,95    | PC2598 | PC2599 |
| PL2824 | PVC DN 110  | 101,60 | 183,06   | PC2598 | PC2600 |
| PL2825 | PVC DN 225  | 207,80 | 594,23   | PC2578 | PC2597 |
| PL2826 | PEHD DN 63  | 55,40  | 679,70   | PC2592 | PC2601 |
| PL2827 | PVC DN 160  | 147,60 | 266,70   | PC2602 | PC2593 |
| PL2828 | PVC DN 110  | 101,60 | 104,00   | PC2602 | PC2603 |
| PL2829 | PVC DN 160  | 147,60 | 389,52   | PC2604 | PC2602 |
| PL283  | PVC DN 160  | 147,60 | 362,11   | PC282  | PC284  |
| PL2830 | PVC DN 110  | 101,60 | 672,50   | PC2604 | PC2605 |
| PL2831 | PVC DN 160  | 147,60 | 150,88   | PC2606 | PC2604 |
| PL2832 | PVC DN 225  | 207,80 | 730,48   | PC2595 | PC2606 |
| PL2833 | PEHD DN 280 | 246,80 | 1.062,45 | PC2606 | PC2607 |
| PL2834 | PEHD DN 280 | 246,80 | 739,09   | PC2607 | PC2608 |
| PL2835 | PEHD DN 280 | 246,80 | 788,99   | PC2608 | PC2609 |
| PL2836 | PEHD DN 160 | 141,00 | 58,47    | PC2609 | PC2610 |
| PL2837 | PEHD DN 110 | 96,80  | 169,37   | PC2610 | PC2611 |
| PL2838 | PEHD DN 110 | 96,80  | 140,18   | PC2611 | PC2612 |
| PL2839 | PEHD DN 110 | 96,80  | 180,65   | PC2612 | PC2613 |
| PL284  | PEHD DN 63  | 55,40  | 410,77   | PC284  | PC285  |
| PL2840 | PEHD DN 160 | 141,00 | 5,83     | PC2613 | PC2614 |
| PL2841 | PEHD DN 50  | 44,00  | 56,21    | PC2614 | PC2615 |
| PL2842 | PEHD DN 160 | 141,00 | 182,75   | PC2610 | PC2613 |
| PL2843 | PEHD DN 160 | 141,00 | 57,91    | PC2614 | PC2616 |
| PL2844 | PEHD DN 110 | 96,80  | 75,56    | PC2616 | PC2617 |
| PL2845 | PEHD DN 160 | 141,00 | 199,92   | PC2616 | PC2618 |
| PL2846 | PEHD DN 160 | 141,00 | 118,21   | PC2619 | PC2618 |
| PL2847 | PEHD DN 160 | 141,00 | 23,54    | PC2619 | PC2620 |
| PL2848 | PEHD DN 160 | 141,00 | 184,00   | PC2609 | PC2619 |
| PL2849 | PEHD DN 110 | 96,80  | 172,78   | PC2620 | PC2621 |
| PL285  | PVC DN 160  | 147,60 | 416,49   | PC284  | PC286  |
| PL2850 | PEHD DN 160 | 141,00 | 87,53    | PC2620 | PC2622 |
| PL2851 | PEHD DN 160 | 141,00 | 81,13    | PC2622 | PC2623 |
| PL2852 | PEHD DN 110 | 96,80  | 84,65    | PC2623 | PC2624 |
| PL2853 | PEHD DN 160 | 141,00 | 70,56    | PC2623 | PC2618 |
| PL2854 | PEHD DN 225 | 198,20 | 180,77   | PC2618 | PC2625 |
| PL2855 | PEHD DN 110 | 96,80  | 179,17   | PC2626 | PC2625 |
| PL2856 | PEHD DN 225 | 198,20 | 390,78   | PC2625 | PC2627 |
| PL2857 | PEHD DN 63  | 55,40  | 230,46   | PC2627 | PC2628 |
| PL2858 | PEHD DN 32  | 28,20  | 88,51    | PC2628 | PC2629 |
| PL2859 | PEHD DN 225 | 198,20 | 369,73   | PC2627 | PC2630 |
| PL286  | PVC DN 63   | 55,40  | 76,89    | PC286  | PC287  |
| PL2860 | PEHD DN 50  | 44,00  | 48,94    | PC2630 | PC2631 |
| PL2861 | PEHD DN 225 | 198,20 | 651,36   | PC2630 | PC2632 |
| PL2862 | PEHD DN 110 | 96,80  | 83,53    | PC2632 | PC2633 |
| PL2863 | PEHD DN 225 | 198,20 | 1.074,67 | PC2632 | PC2634 |
| PL2864 | PEHD DN 225 | 198,20 | 301,06   | PC2634 | PC2635 |
| PL2865 | PVC DN 225  | 207,80 | 322,00   | PC2553 | PC2636 |
| PL2866 | PVC DN 110  | 101,60 | 99,11    | PC2636 | PC2637 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.grad. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>83/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL2867  | PEHD DN 110 | 96,80  | 118,46   | PC2637 | PC2638 |
| PL2868  | PVC DN 110  | 101,60 | 196,74   | PC2637 | PC2639 |
| PL2869  | PVC DN 225  | 207,80 | 1.117,77 | PC2636 | PC2640 |
| PL287   | PVC DN 160  | 147,60 | 246,91   | PC286  | PC288  |
| PL2870  | PVC DN 225  | 207,80 | 233,36   | PC2640 | PC2641 |
| PL2871  | PVC DN 225  | 207,80 | 29,58    | PC2640 | PC2642 |
| PL2872  | PVC DN 225  | 207,80 | 180,31   | PC2642 | PC2643 |
| PL2873  | PVC DN 225  | 207,80 | 516,55   | PC2644 | PC2643 |
| PL2874  | PVC DN 110  | 101,60 | 175,02   | PC2644 | PC2645 |
| PL2875  | PVC DN 110  | 101,60 | 64,60    | PC2645 | PC2646 |
| PL2876  | PVC DN 110  | 101,60 | 201,24   | PC2645 | PC2647 |
| PL2877  | PVC DN 110  | 101,60 | 309,07   | PC2647 | PC2648 |
| PL2878  | PVC DN 225  | 207,80 | 250,60   | PC2648 | PC2644 |
| PL2879  | PVC DN 225  | 207,80 | 29,80    | PC2649 | PC2648 |
| PL288   | PVC DN 160  | 147,60 | 1.140,22 | PC288  | PC289  |
| PL2880  | PVC DN 160  | 147,60 | 69,65    | PC2649 | PC2650 |
| PL2881  | PVC DN 110  | 101,60 | 581,66   | PC2650 | PC2651 |
| PL2882  | PVC DN 110  | 101,60 | 238,57   | PC2651 | PC2652 |
| PL2883  | PVC DN 110  | 101,60 | 266,26   | PC2652 | PC2653 |
| PL2884  | PVC DN 110  | 101,60 | 305,16   | PC2654 | PC2652 |
| PL2885  | PVC DN 160  | 147,60 | 33,23    | PC2654 | PC2655 |
| PL2886  | PVC DN 110  | 101,60 | 76,82    | PC2656 | PC2655 |
| PL2887  | PVC DN 160  | 147,60 | 126,22   | PC2655 | PC2657 |
| PL2888  | PVC DN 160  | 147,60 | 364,21   | PC2657 | PC2650 |
| PL2889  | PVC DN 110  | 101,60 | 7,39     | PC2658 | PC2657 |
| PL289   | PVC DN 110  | 101,60 | 2,20     | PC289  | PC290  |
| PL2890  | PVC DN 110  | 101,60 | 46,64    | PC2659 | PC2658 |
| PL2891  | PVC DN 110  | 101,60 | 362,83   | PC2659 | PC2660 |
| PL2892  | PVC DN 110  | 101,60 | 224,72   | PC2661 | PC2659 |
| PL2893  | PVC DN 110  | 101,60 | 143,14   | PC2661 | PC2662 |
| PL2894  | PVC DN 110  | 101,60 | 261,54   | PC2663 | PC2661 |
| PL2895  | PEHD DN 63  | 55,40  | 61,28    | PC2663 | PC2664 |
| PL2896  | PVC DN 110  | 101,60 | 40,66    | PC2647 | PC2663 |
| PL2897  | PVC DN 225  | 207,80 | 1.005,15 | PC2665 | PC2649 |
| PL2898  | PVC DN 225  | 207,80 | 261,79   | PC2236 | PC2665 |
| PL2899  | PVC DN 110  | 101,60 | 360,58   | PC2665 | PC2666 |
| PL29    | PEHD DN 75  | 66,00  | 294,16   | PC28A  | PC29   |
| PL290   | PEHD DN 40  | 35,20  | 119,38   | PC290  | PC291  |
| PL2900  | PVC DN 160  | 147,60 | 177,09   | PC2236 | PC2667 |
| PL2901  | PVC DN 110  | 101,60 | 142,64   | PC2667 | PC2668 |
| PL2902  | PVC DN 160  | 147,60 | 341,10   | PC2667 | PC2669 |
| PL2903  | PVC DN 110  | 101,60 | 423,64   | PC2669 | PC2670 |
| PL2904  | PVC DN 160  | 147,60 | 496,59   | PC2669 | PC2671 |
| PL2905  | PVC DN 110  | 101,60 | 152,53   | PC2672 | PC2671 |
| PL2906  | PVC DN 160  | 147,60 | 419,18   | PC2671 | PC2654 |
| PL2907  | PVC DN 110  | 101,60 | 459,16   | PC2658 | PC2672 |
| PL2907A | PVC DN 110  | 101,60 | 271,16   | PC2672 | PC2682 |
| PL2908  | PVC DN 110  | 101,60 | 120,20   | PC2673 | PC2671 |
| PL2909  | PVC DN 110  | 101,60 | 104,28   | PC2674 | PC2673 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>84/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL291   | PVC DN 160  | 147,60 | 822,53   | PC289  | PC292  |
| PL2910  | PVC DN 110  | 101,60 | 190,73   | PC2675 | PC2673 |
| PL2911  | PVC DN 110  | 101,60 | 51,37    | PC2675 | PC2676 |
| PL2912  | PVC DN 110  | 101,60 | 200,11   | PC2677 | PC2675 |
| PL2913  | PEHD DN 110 | 96,80  | 101,00   | PC2678 | PC2677 |
| PL2914  | PVC DN 110  | 101,60 | 115,15   | PC2679 | PC2677 |
| PL2915  | PVC DN 110  | 101,60 | 49,50    | PC2680 | PC2679 |
| PL2916  | PVC DN 110  | 101,60 | 293,93   | PC2679 | PC2681 |
| PL2917  | PVC DN 110  | 101,60 | 65,04    | PC2682 | PC2681 |
| PL2918  | PVC DN 110  | 101,60 | 197,41   | PC2682 | PC2683 |
| PL2919  | PVC DN 110  | 101,60 | 130,47   | PC2681 | PC2684 |
| PL292   | PVC DN 160  | 147,60 | 1.693,42 | PC239  | PC293  |
| PL2920  | PVC DN 110  | 101,60 | 140,67   | PC2684 | PC2685 |
| PL2921  | PVC DN 110  | 101,60 | 74,43    | PC2685 | PC2686 |
| PL2922  | PVC DN 110  | 101,60 | 136,22   | PC2684 | PC2686 |
| PL2923  | PVC DN 110  | 101,60 | 763,82   | PC2686 | PC2687 |
| PL2924  | PVC DN 110  | 101,60 | 857,22   | PC2687 | PC2688 |
| PL2925  | PVC DN 225  | 207,80 | 487,70   | PC2642 | PC2689 |
| PL2926  | PVC DN 110  | 101,60 | 64,66    | PC2690 | PC2689 |
| PL2927  | PVC DN 110  | 101,60 | 515,97   | PC2643 | PC2690 |
| PL2928  | PVC DN 110  | 101,60 | 788,33   | PC2690 | PC2691 |
| PL2929  | PVC DN 110  | 101,60 | 150,02   | PC2692 | PC2691 |
| PL293   | PVC DN 110  | 101,60 | 311,20   | PC293  | PC294  |
| PL2930  | PVC DN 110  | 101,60 | 79,84    | PC2692 | PC2693 |
| PL2931  | PVC DN 110  | 101,60 | 236,68   | PC2694 | PC2692 |
| PL2932  | PVC DN 110  | 101,60 | 185,12   | PC2691 | PC2695 |
| PL2933  | PVC DN 110  | 101,60 | 120,39   | PC2695 | PC2696 |
| PL2934  | PVC DN 110  | 101,60 | 39,86    | PC2695 | PC2697 |
| PL2935  | PEHD DN 90  | 79,20  | 8,42     | PC2697 | PC2698 |
| PL2936  | PVC DN 110  | 101,60 | 138,52   | PC2697 | PC2699 |
| PL2937  | PVC DN 225  | 207,80 | 268,07   | PC2700 | PC2701 |
| PL2938  | PEHD DN 225 | 198,20 | 877,55   | PC2701 | PC2702 |
| PL2939  | PEHD DN 225 | 198,20 | 850,94   | PC2703 | PC2704 |
| PL294   | PVC DN 160  | 147,60 | 35,24    | PC293  | PC295  |
| PL2940  | PVC DN 110  | 101,60 | 438,30   | PC2704 | PC2706 |
| PL2940A | PEHD DN 225 | 198,20 | 342,44   | PC2705 | PC2704 |
| PL2940B | PVC DN 315  | 290,80 | 96,30    | PC2706 | PC2705 |
| PL2941  | PVC DN 160  | 147,60 | 287,62   | PC2706 | PC2707 |
| PL2942  | PVC DN 110  | 101,60 | 213,74   | PC2707 | PC2708 |
| PL2943  | PVC DN 160  | 147,60 | 264,17   | PC2709 | PC2707 |
| PL2944  | PVC DN 160  | 101,60 | 632,88   | PC2709 | PC2710 |
| PL2945  | PVC DN 160  | 147,60 | 143,53   | PC2711 | PC2709 |
| PL2946  | PVC DN 110  | 101,60 | 228,53   | PC2711 | PC2712 |
| PL2947  | PVC DN 160  | 147,60 | 137,89   | PC2713 | PC2711 |
| PL2948  | PVC DN 110  | 101,60 | 208,20   | PC2713 | PC2714 |
| PL2949  | PVC DN 160  | 147,60 | 163,08   | PC2715 | PC2713 |
| PL295   | PVC DN 110  | 101,60 | 69,80    | PC295  | PC296  |
| PL2950  | PVC DN 110  | 101,60 | 172,30   | PC2715 | PC2716 |
| PL2951  | PVC DN 160  | 147,60 | 192,92   | PC2717 | PC2715 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>85/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL2952  | PVC DN 110  | 101,60 | 217,19   | PC2717 | PC2718 |
| PL2953  | PVC DN 160  | 147,60 | 422,64   | PC2719 | PC2717 |
| PL2954  | PVC DN 160  | 147,60 | 626,29   | PC2720 | PC2719 |
| PL2955  | PVC DN 160  | 147,60 | 667,12   | PC2721 | PC2720 |
| PL2956  | PVC DN 225  | 207,80 | 448,71   | PC2722 | PC2721 |
| PL2956A | PVC DN 110  | 101,60 | 448,71   | PC2722 | PC2721 |
| PL2957  | PVC DN 110  | 101,60 | 267,25   | PC2723 | PC2721 |
| PL2958  | PVC DN 110  | 101,60 | 324,34   | PC2723 | PC2724 |
| PL2959  | PVC DN 160  | 147,60 | 238,92   | PC2725 | PC2723 |
| PL296   | PVC DN 160  | 147,60 | 746,98   | PC297A | PC295  |
| PL2960  | PVC DN 110  | 101,60 | 389,64   | PC2722 | PC2725 |
| PL2961  | PVC DN 160  | 147,60 | 14,88    | PC2725 | PC2726 |
| PL2962  | PVC DN 160  | 147,60 | 141,02   | PC2726 | PC2727 |
| PL2963  | PVC DN 110  | 101,60 | 226,58   | PC2727 | PC2728 |
| PL2964  | PVC DN 110  | 101,60 | 106,45   | PC2728 | PC2729 |
| PL2965  | PVC DN 110  | 101,60 | 119,59   | PC2728 | PC2730 |
| PL2966  | PVC DN 110  | 101,60 | 276,62   | PC2726 | PC2730 |
| PL2967  | PVC DN 110  | 101,60 | 144,10   | PC2730 | PC2731 |
| PL2968  | PVC DN 110  | 101,60 | 512,01   | PC2731 | PC2732 |
| PL2969  | PVC DN 160  | 147,60 | 440,00   | PC2727 | PC2733 |
| PL297   | PVC DN 110  | 101,60 | 114,07   | PC297  | PC298  |
| PL2970  | PVC DN 160  | 147,60 | 168,29   | PC2733 | PC2734 |
| PL2971  | PVC DN 110  | 101,60 | 361,48   | PC2733 | PC2735 |
| PL2972  | PVC DN 225  | 207,80 | 1.902,72 | PC2736 | PC2722 |
| PL2973  | PVC DN 160  | 147,60 | 268,71   | PC2737 | PC2736 |
| PL2974  | PVC DN 160  | 147,60 | 8,36     | PC2737 | PC2738 |
| PL2975  | PVC DN 110  | 101,60 | 139,03   | PC2738 | PC2739 |
| PL2976  | PVC DN 110  | 101,60 | 79,73    | PC2739 | PC2740 |
| PL2977  | PVC DN 110  | 101,60 | 302,37   | PC2741 | PC2739 |
| PL2978  | PVC DN 160  | 147,60 | 267,36   | PC2741 | PC2742 |
| PL2979  | PVC DN 160  | 147,60 | 161,19   | PC2741 | PC2738 |
| PL298   | PVC DN 160  | 147,60 | 567,89   | PC299  | PC297  |
| PL2980  | PVC DN 110  | 101,60 | 821,89   | PC2743 | PC2737 |
| PL2981  | PVC DN 110  | 101,60 | 129,71   | PC2743 | PC2744 |
| PL2982  | PVC DN 110  | 101,60 | 824,79   | PC2745 | PC2743 |
| PL2983  | PVC DN 225  | 207,80 | 815,31   | PC2745 | PC2746 |
| PL2984  | PVC DN 225  | 207,80 | 259,42   | PC2746 | PC2747 |
| PL2985  | PVC DN 225  | 207,80 | 409,13   | PC2747 | PC2748 |
| PL2986  | PVC DN 225  | 207,80 | 250,76   | PC2748 | PC2736 |
| PL2987  | PVC DN 225  | 207,80 | 883,40   | PC2749 | PC2745 |
| PL2988  | PVC DN 110  | 101,60 | 324,78   | PC2750 | PC2706 |
| PL2989  | PVC DN 110  | 101,60 | 386,15   | PC2751 | PC2750 |
| PL299   | PVC DN 110  | 101,60 | 240,15   | PC299  | PC300  |
| PL2990  | PVC DN 110  | 101,60 | 662,50   | PC2752 | PC2751 |
| PL2991  | PVC DN 110  | 101,60 | 121,63   | PC2752 | PC2754 |
| PL2992  | PEHD DN 110 | 96,80  | 188,09   | PC2756 | PC2755 |
| PL2993  | PVC DN 110  | 101,60 | 210,14   | PC2757 | PC2756 |
| PL2994  | PEHD DN 110 | 96,80  | 10,36    | PC2758 | PC2757 |
| PL2995  | PVC DN 110  | 101,60 | 77,38    | PC2758 | PC2759 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>86/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL2996  | PVC DN 110  | 101,60 | 348,32   | PC2720 | PC2758 |
| PL2997  | PVC DN 225  | 207,80 | 358,16   | PC2720 | PC2757 |
| PL2998  | PEHD DN 225 | 198,20 | 344,18   | PC2752 | PC2780 |
| PL2998A | PEHD DN 225 | 198,20 | 58,98    | PC2757 | PC2752 |
| PL2999  | PEHD DN 225 | 198,20 | 540,96   | PC2780 | PC2781 |
| PL2A    | PEHD DN 50  | 44,00  | 123,00   | PC2    | PC3    |
| PL3     | PEHD DN 225 | 198,20 | 377,89   | PC2781 | PC2782 |
| PL30    | PEHD DN 40  | 35,20  | 130,51   | PC29   | PC30   |
| PL300   | PVC DN 160  | 147,60 | 661,31   | PC301  | PC299  |
| PL3001  | PVC DN 110  | 101,60 | 936,08   | PC2782 | PC2750 |
| PL3002  | PEHD DN 225 | 198,20 | 208,80   | PC2782 | PC2783 |
| PL3003  | PEHD DN 225 | 198,20 | 293,01   | PC2783 | PC2784 |
| PL3004  | PEHD DN 225 | 198,20 | 432,47   | PC2784 | PC2785 |
| PL3005  | PVC DN 110  | 101,60 | 565,72   | PC2706 | PC2790 |
| PL3005A | PVC DN 225  | 207,80 | 565,62   | PC2706 | PC2790 |
| PL3006  | PEHD DN 225 | 198,20 | 317,41   | PC2790 | PC2791 |
| PL3007  | PEHD DN 160 | 141,00 | 175,70   | PC2791 | PC2792 |
| PL3008  | PEHD DN 225 | 198,20 | 205,18   | PC2791 | PC2793 |
| PL3009  | PEHD DN 160 | 141,00 | 133,73   | PC2793 | PC2794 |
| PL301   | PVC DN 110  | 101,60 | 142,84   | PC301  | PC302A |
| PL3010  | PEHD DN 225 | 198,20 | 231,10   | PC2793 | PC2795 |
| PL3011  | PEHD DN 160 | 141,00 | 145,04   | PC2796 | PC2793 |
| PL3012  | PEHD DN 160 | 141,00 | 161,03   | PC2797 | PC2796 |
| PL3013  | PEHD DN 160 | 141,00 | 201,98   | PC2791 | PC2797 |
| PL3014  | PVC DN 110  | 101,60 | 131,75   | PC2790 | PC2788 |
| PL3014A | PVC DN 225  | 207,80 | 131,17   | PC2790 | PC2799 |
| PL3015  | PVC DN 225  | 207,80 | 88,69    | PC2799 | PC2800 |
| PL3015A | PVC DN 110  | 101,60 | 88,62    | PC2788 | PC2786 |
| PL3016  | PVC DN 110  | 101,60 | 0,17     | PC2799 | PC2788 |
| PL3017  | PVC DN 110  | 101,60 | 51,14    | PC2788 | PC2789 |
| PL3018  | PVC DN 110  | 101,60 | 0,19     | PC2800 | PC2786 |
| PL3019  | PVC DN 110  | 101,60 | 95,45    | PC2787 | PC2786 |
| PL302   | PVC DN 110  | 101,60 | 82,48    | PC302A | PC303  |
| PL3020  | PVC DN 225  | 207,80 | 125,02   | PC2785 | PC2800 |
| PL3021  | PVC DN 110  | 101,60 | 125,00   | PC2785 | PC2786 |
| PL3022  | PVC DN 225  | 207,80 | 1.291,37 | PC2785 | PC2801 |
| PL3023  | PVC DN 225  | 207,80 | 1.376,50 | PC2801 | PC2802 |
| PL3024  | PVC DN 110  | 101,60 | 6,21     | PC2802 | PC2804 |
| PL3025  | PVC DN 225  | 207,80 | 3,89     | PC2802 | PC2803 |
| PL3026  | PVC DN 110  | 101,60 | 279,39   | PC2804 | PC2805 |
| PL3027  | PVC DN 110  | 101,60 | 107,07   | PC2805 | PC2809 |
| PL3028  | PVC DN 110  | 101,60 | 248,25   | PC2808 | PC2809 |
| PL3029  | PEHD DN 63  | 55,40  | 5,81     | PC2808 | PC2806 |
| PL303   | PVC DN 110  | 101,60 | 50,41    | PC302A | PC304  |
| PL3030  | PEHD DN 63  | 55,40  | 0,54     | PC2806 | PC2807 |
| PL3031  | PEHD DN 63  | 55,40  | 116,63   | PC2808 | PC2804 |
| PL3032  | PEHD DN 63  | 55,40  | 113,80   | PC2807 | PC2803 |
| PL3033  | PVC DN 225  | 207,80 | 114,02   | PC2803 | PC2806 |
| PL3034  | PVC DN 225  | 207,80 | 224,47   | PC2806 | PC2810 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>87/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

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|---------|------------|--------|----------|--------|--------|
| PL3035  | PEHD DN 63 | 55,40  | 225,15   | PC2810 | PC2807 |
| PL3036  | PEHD DN 63 | 55,40  | 223,93   | PC2811 | PC2808 |
| PL3037  | PVC DN 110 | 101,60 | 130,70   | PC2809 | PC2812 |
| PL3038  | PVC DN 110 | 101,60 | 116,71   | PC2812 | PC2813 |
| PL3039  | PVC DN 110 | 101,60 | 146,17   | PC2812 | PC2817 |
| PL304   | PVC DN 160 | 147,60 | 508,26   | PC305  | PC301  |
| PL3040  | PVC DN 225 | 207,80 | 63,03    | PC2810 | PC2814 |
| PL3041  | PVC DN 225 | 207,80 | 20,84    | PC2815 | PC2814 |
| PL3042  | PVC DN 225 | 207,80 | 133,61   | PC2816 | PC2815 |
| PL3043  | PEHD DN 63 | 55,40  | 134,25   | PC2815 | PC2816 |
| PL3044  | PVC DN 225 | 207,80 | 24,32    | PC2817 | PC2816 |
| PL3045  | PEHD DN 63 | 55,40  | 47,15    | PC2817 | PC2818 |
| PL3046  | PVC DN 225 | 207,80 | 131,02   | PC2819 | PC2817 |
| PL3046A | PEHD DN 63 | 55,40  | 113,23   | PC2821 | PC2820 |
| PL3046B | PEHD DN 63 | 55,40  | 96,17    | PC2822 | PC2823 |
| PL3047  | PEHD DN 63 | 55,40  | 0,30     | PC2819 | PC2820 |
| PL3047A | PEHD DN 63 | 55,40  | 7,55     | PC2822 | PC2819 |
| PL3048  | PVC DN 225 | 207,80 | 202,55   | PC2824 | PC2819 |
| PL3048A | PEHD DN 63 | 55,40  | 202,62   | PC2820 | PC2825 |
| PL3048B | PEHD DN 63 | 55,40  | 202,40   | PC2826 | PC2822 |
| PL3049  | PVC DN 225 | 207,80 | 113,32   | PC2824 | PC2829 |
| PL3049A | PEHD DN 63 | 55,40  | 89,12    | PC2828 | PC2825 |
| PL3049B | PEHD DN 63 | 55,40  | 85,67    | PC2827 | PC2826 |
| PL305   | PVC DN 110 | 101,60 | 77,46    | PC305  | PC306  |
| PL3050  | PVC DN 225 | 207,80 | 10,74    | PC2830 | PC2829 |
| PL3050A | PEHD DN 63 | 55,40  | 6,79     | PC2826 | PC2824 |
| PL3050B | PEHD DN 63 | 55,40  | 0,30     | PC2824 | PC2825 |
| PL3051  | PVC DN 110 | 101,60 | 10,76    | PC2830 | PC2831 |
| PL3052  | PVC DN 110 | 101,60 | 150,46   | PC2831 | PC2832 |
| PL3053  | PVC DN 110 | 101,60 | 211,84   | PC2830 | PC2833 |
| PL3054  | PVC DN 225 | 207,80 | 1.299,00 | PC2834 | PC2830 |
| PL3055  | PVC DN 225 | 207,80 | 1.280,63 | PC2835 | PC2834 |
| PL3056  | PVC DN 160 | 147,60 | 264,68   | PC2835 | PC2836 |
| PL3057  | PVC DN 110 | 101,60 | 371,83   | PC2836 | PC2837 |
| PL3058  | PVC DN 225 | 207,80 | 92,58    | PC2838 | PC2835 |
| PL3059  | PEHD DN 63 | 55,40  | 127,12   | PC2835 | PC2840 |
| PL306   | PVC DN 160 | 147,60 | 115,46   | PC307  | PC305  |
| PL3060  | PVC DN 225 | 207,80 | 35,08    | PC2839 | PC2838 |
| PL3061  | PEHD DN 63 | 55,40  | 22,83    | PC2841 | PC2842 |
| PL3062  | PVC DN 225 | 207,80 | 115,26   | PC2844 | PC2839 |
| PL3062A | PEHD DN 63 | 55,40  | 115,31   | PC2840 | PC2845 |
| PL3062B | PEHD DN 63 | 55,40  | 104,26   | PC2842 | PC2843 |
| PL3063  | PVC DN 160 | 147,60 | 126,09   | PC2844 | PC2867 |
| PL3064  | PVC DN 225 | 207,80 | 147,77   | PC2847 | PC2844 |
| PL3064A | PEHD DN 63 | 55,40  | 147,91   | PC2845 | PC2849 |
| PL3064B | PEHD DN 63 | 55,40  | 127,14   | PC2846 | PC2848 |
| PL3065  | PVC DN 225 | 207,80 | 137,74   | PC2850 | PC2847 |
| PL3065A | PEHD DN 63 | 55,40  | 90,15    | PC2849 | PC2852 |
| PL3065B | PEHD DN 63 | 55,40  | 130,70   | PC2851 | PC2848 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|--------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>88/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL3066  | PVC DN 160  | 147,60 | 41,39    | PC2853 | PC2850 |
| PL3067  | PVC DN 110  | 101,60 | 432,41   | PC2853 | PC2854 |
| PL3068  | PVC DN 110  | 101,60 | 65,29    | PC2854 | PC2855 |
| PL3069  | PEHD DN 110 | 96,80  | 261,33   | PC2854 | PC2856 |
| PL307   | PVC DN 110  | 101,60 | 82,23    | PC307  | PC308  |
| PL3070  | PVC DN 160  | 147,60 | 155,45   | PC2853 | PC2857 |
| PL3071  | PVC DN 110  | 101,60 | 260,31   | PC2857 | PC2858 |
| PL3072  | PEHD DN 110 | 96,80  | 52,58    | PC2859 | PC2858 |
| PL3073  | PEHD DN 110 | 96,80  | 39,37    | PC2859 | PC2860 |
| PL3074  | PEHD DN 110 | 96,80  | 117,59   | PC2861 | PC2859 |
| PL3075  | PVC DN 160  | 147,60 | 1.173,83 | PC2857 | PC2862 |
| PL3076  | PEHD DN 110 | 96,80  | 178,85   | PC2863 | PC2862 |
| PL3077  | PVC DN 160  | 147,60 | 1.004,32 | PC2862 | PC2864 |
| PL3078  | PEHD DN 63  | 55,40  | 1,17     | PC2839 | PC2840 |
| PL3078A | PEHD DN 63  | 55,40  | 6,15     | PC2842 | PC2839 |
| PL3079  | PEHD DN 63  | 55,40  | 0,69     | PC2847 | PC2849 |
| PL3079A | PEHD DN 63  | 55,40  | 7,72     | PC2848 | PC2847 |
| PL308   | PVC DN 160  | 147,60 | 157,09   | PC309  | PC307  |
| PL3080  | PVC DN 160  | 147,60 | 25,90    | PC2865 | PC2838 |
| PL3081  | PVC DN 110  | 101,60 | 105,06   | PC2865 | PC2866 |
| PL3082  | PVC DN 160  | 147,60 | 166,16   | PC2867 | PC2865 |
| PL3083  | PVC DN 160  | 147,60 | 109,30   | PC2867 | PC2868 |
| PL3084  | PVC DN 110  | 101,60 | 116,69   | PC2868 | PC2869 |
| PL3085  | PVC DN 160  | 147,60 | 68,13    | PC2868 | PC2870 |
| PL3086  | PVC DN 110  | 101,60 | 233,85   | PC2870 | PC2871 |
| PL3087  | PVC DN 160  | 147,60 | 203,60   | PC2870 | PC2872 |
| PL3088  | PVC DN 110  | 101,60 | 228,80   | PC2872 | PC2873 |
| PL3089  | PVC DN 160  | 147,60 | 127,67   | PC2872 | PC2874 |
| PL309   | PVC DN 110  | 101,60 | 205,15   | PC309  | PC310  |
| PL3090  | PVC DN 110  | 101,60 | 270,63   | PC2874 | PC2875 |
| PL3091  | PVC DN 160  | 147,60 | 548,27   | PC2876 | PC2874 |
| PL3092  | PVC DN 110  | 101,60 | 225,07   | PC2877 | PC2876 |
| PL3093  | PVC DN 110  | 101,60 | 158,73   | PC2876 | PC2878 |
| PL3094  | PVC DN 110  | 101,60 | 328,37   | PC2878 | PC2879 |
| PL3095  | PVC DN 160  | 147,60 | 463,23   | PC2878 | PC2880 |
| PL3096  | PVC DN 160  | 147,60 | 140,67   | PC2881 | PC2880 |
| PL3097  | PVC DN 160  | 147,60 | 184,03   | PC2870 | PC2881 |
| PL3098  | PVC DN 160  | 147,60 | 109,71   | PC2882 | PC2881 |
| PL3099  | PVC DN 110  | 101,60 | 78,94    | PC2883 | PC2882 |
| PL31    | PEHD DN 75  | 66,00  | 468,78   | PC29   | PC31   |
| PL310   | PVC DN 110  | 101,60 | 85,13    | PC310  | PC312  |
| PL3100  | PVC DN 160  | 147,60 | 65,52    | PC2882 | PC2850 |
| PL3101  | PVC DN 225  | 207,80 | 173,07   | PC2884 | PC2850 |
| PL3102  | PEHD DN 63  | 55,40  | 1,25     | PC2884 | PC2885 |
| PL3103  | PEHD DN 63  | 55,40  | 97,88    | PC2885 | PC2886 |
| PL3104  | PVC DN 160  | 147,60 | 126,04   | PC2880 | PC2884 |
| PL3105  | PVC DN 225  | 207,80 | 134,44   | PC2887 | PC2884 |
| PL3106  | PVC DN 160  | 147,60 | 250,80   | PC2888 | PC2887 |
| PL3107  | PVC DN 160  | 147,60 | 178,80   | PC2878 | PC2888 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>89/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL3108  | PVC DN 160  | 147,60 | 199,47   | PC2888 | PC2889 |
| PL3109  | PVC DN 225  | 207,80 | 222,54   | PC2889 | PC2887 |
| PL311   | PVC DN 110  | 101,60 | 213,57   | PC310  | PC311  |
| PL3110  | PVC DN 225  | 207,80 | 1.490,08 | PC2890 | PC2889 |
| PL3111  | PVC DN 110  | 101,60 | 93,26    | PC2891 | PC2890 |
| PL3112  | PVC DN 110  | 101,60 | 96,17    | PC2891 | PC2892 |
| PL3113  | PEHD DN 63  | 55,40  | 45,56    | PC2892 | PC2893 |
| PL3114  | PVC DN 110  | 101,60 | 405,41   | PC2892 | PC2894 |
| PL3114A | PVC DN 110  | 101,60 | 498,50   | PC2895 | PC2891 |
| PL3115  | PVC DN 110  | 101,60 | 202,68   | PC2894 | PC2895 |
| PL3116  | PVC DN 110  | 101,60 | 110,76   | PC2895 | PC2896 |
| PL3117  | PVC DN 50   | 45,00  | 204,09   | PC2895 | PC2897 |
| PL3118  | PVC DN 110  | 101,60 | 162,12   | PC2897 | PC2898 |
| PL3119  | PVC DN 110  | 101,60 | 8,28     | PC2894 | PC2898 |
| PL312   | PVC DN 160  | 147,60 | 179,64   | PC313  | PC309  |
| PL3120  | PVC DN 110  | 101,60 | 140,71   | PC2898 | PC2899 |
| PL3121  | PEHD DN 63  | 55,40  | 86,13    | PC2899 | PC2900 |
| PL3122  | PVC DN 50   | 45,00  | 448,57   | PC2899 | PC2901 |
| PL3123  | PVC DN 110  | 101,60 | 244,53   | PC2901 | PC2897 |
| PL3124  | PVC DN 110  | 101,60 | 666,00   | PC2901 | PC2902 |
| PL3125  | PVC DN 280  | 258,60 | 1.487,02 | PC2903 | PC2890 |
| PL3126  | PVC DN 110  | 101,60 | 205,30   | PC2904 | PC2834 |
| PL3127  | PVC DN 110  | 101,60 | 124,34   | PC2904 | PC2905 |
| PL3128  | PVC DN 110  | 101,60 | 1.131,09 | PC2906 | PC2904 |
| PL3129  | PVC DN 110  | 101,60 | 347,44   | PC2907 | PC2906 |
| PL313   | PVC DN 110  | 101,60 | 248,34   | PC313  | PC314  |
| PL3130  | PVC DN 225  | 207,80 | 1.057,55 | PC2834 | PC2907 |
| PL3131  | PVC DN 110  | 101,60 | 195,61   | PC2908 | PC2907 |
| PL3132  | PVC DN 110  | 101,60 | 682,13   | PC2908 | PC2910 |
| PL3133  | PVC DN 110  | 101,60 | 810,92   | PC2908 | PC2909 |
| PL3134  | PVC DN 225  | 207,80 | 411,27   | PC2907 | PC2911 |
| PL3135  | PVC DN 110  | 101,60 | 203,94   | PC2911 | PC2912 |
| PL3136  | PVC DN 110  | 101,60 | 115,11   | PC2913 | PC2911 |
| PL3137  | PVC DN 110  | 101,60 | 242,99   | PC2914 | PC2913 |
| PL3138  | PVC DN 110  | 101,60 | 136,22   | PC2913 | PC2914 |
| PL3139  | PVC DN 225  | 207,80 | 210,62   | PC2911 | PC2915 |
| PL3139A | PEHD DN 63  | 55,40  | 148,73   | PC2916 | PC2918 |
| PL3139B | PEHD DN 63  | 55,40  | 168,83   | PC2919 | PC2917 |
| PL314   | PVC DN 160  | 147,60 | 67,74    | PC315  | PC313  |
| PL3140  | PEHD DN 63  | 55,40  | 12,58    | PC2915 | PC2916 |
| PL3140A | PEHD DN 63  | 55,40  | 1,51     | PC2917 | PC2915 |
| PL3141  | PVC DN 110  | 101,60 | 119,46   | PC2920 | PC2917 |
| PL3142  | PVC DN 110  | 101,60 | 20,33    | PC2920 | PC2921 |
| PL3143  | PEHD DN 110 | 96,80  | 152,62   | PC2920 | PC2922 |
| PL3144  | PVC DN 225  | 207,80 | 628,71   | PC2915 | PC2925 |
| PL3144A | PEHD DN 63  | 55,40  | 533,16   | PC2917 | PC2923 |
| PL3144B | PEHD DN 63  | 55,40  | 601,02   | PC2924 | PC2916 |
| PL3145  | PVC DN 225  | 207,80 | 763,39   | PC2925 | PC2926 |
| PL3146  | PVC DN 225  | 207,80 | 1.493,81 | PC2927 | PC2926 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>90/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL3147  | PEHD DN 63    | 55,40  | 267,70 | PC2929 | PC2928 |
| PL3148  | PEHD DN 63    | 55,40  | 135,08 | PC2930 | PC2927 |
| PL3149  | PEHD DN 63    | 55,40  | 10,03  | PC2927 | PC2928 |
| PL315   | PVC DN 160    | 147,60 | 233,87 | PC316  | PC315  |
| PL3150  | PEHD DN 110   | 96,80  | 106,18 | PC2927 | PC2931 |
| PL3151  | PVC DN 225    | 207,80 | 134,28 | PC2927 | PC2932 |
| PL3151A | PEHD DN 63    | 55,40  | 115,19 | PC2928 | PC2934 |
| PL3151B | PEHD DN 63    | 55,40  | 128,41 | PC2927 | PC2933 |
| PL3152  | PVC DN 110    | 101,60 | 462,01 | PC2935 | PC2932 |
| PL3153  | PVC DN 225    | 207,80 | 120,50 | PC2932 | PC2936 |
| PL3154  | PEHD DN 63    | 55,40  | 5,20   | PC2936 | PC2937 |
| PL3154A | PEHD DN 63    | 55,40  | 8,32   | PC2937 | PC2939 |
| PL3155  | PEHD DN 63    | 55,40  | 77,63  | PC2937 | PC2938 |
| PL3156  | PEHD DN 63    | 55,40  | 109,41 | PC2940 | PC2939 |
| PL3157  | PVC DN 225    | 207,80 | 378,79 | PC2936 | PC2941 |
| PL3157A | PEHD DN 63    | 55,40  | 246,58 | PC2942 | PC2937 |
| PL3157B | PEHD DN 63    | 55,40  | 262,40 | PC2939 | PC2943 |
| PL3158  | DUCTIL DN 250 | 250,40 | 574,59 | PC2941 | PC2944 |
| PL3159  | DUCTIL DN 250 | 250,40 | 820,65 | PC2944 | PC2945 |
| PL316   | PVC DN 110    | 101,60 | 107,92 | PC316  | PC317  |
| PL3160  | DUCTIL DN 250 | 250,40 | 623,33 | PC2945 | PC2946 |
| PL3161  | PVC DN 110    | 101,60 | 68,47  | PC2946 | PC2947 |
| PL3162  | DUCTIL DN 250 | 250,40 | 21,94  | PC2946 | PC2948 |
| PL3163  | DUCTIL DN 250 | 250,40 | 128,03 | PC2948 | PC2949 |
| PL3164  | PEHD DN 225   | 198,20 | 443,75 | PC2946 | PC2950 |
| PL3165  | PEHD DN 110   | 96,80  | 872,26 | PC2948 | PC2952 |
| PL3166  | PVC DN 110    | 101,60 | 188,94 | PC2950 | PC2951 |
| PL3167  | PEHD DN 225   | 198,20 | 421,58 | PC2950 | PC2953 |
| PL3168  | PVC DN 110    | 101,60 | 15,64  | PC2952 | PC2953 |
| PL3169  | PVC DN 225    | 207,80 | 68,43  | PC2953 | PC2954 |
| PL3169A | PVC DN 110    | 101,60 | 68,85  | PC2953 | PC2954 |
| PL317   | PVC DN 110    | 101,60 | 100,09 | PC317  | PC318  |
| PL3170  | PVC DN 225    | 207,80 | 228,07 | PC2954 | PC2955 |
| PL3170A | PVC DN 110    | 101,60 | 229,03 | PC2954 | PC2955 |
| PL3171  | PVC DN 160    | 147,60 | 168,50 | PC2956 | PC2955 |
| PL3172  | PVC DN 160    | 147,60 | 140,92 | PC2957 | PC2956 |
| PL3173  | PVC DN 160    | 147,60 | 91,86  | PC2958 | PC2957 |
| PL3174  | PVC DN 160    | 147,60 | 207,95 | PC2959 | PC2958 |
| PL3175  | PVC DN 110    | 101,60 | 188,28 | PC2960 | PC2959 |
| PL3175A | PVC DN 160    | 147,60 | 269,97 | PC2969 | PC2959 |
| PL3176  | PVC DN 110    | 101,60 | 49,31  | PC2961 | PC2960 |
| PL3177  | PVC DN 110    | 101,60 | 118,39 | PC2962 | PC2961 |
| PL3178  | PVC DN 160    | 147,60 | 110,85 | PC2963 | PC2962 |
| PL3179  | PVC DN 160    | 147,60 | 540,02 | PC2954 | PC2963 |
| PL318   | PVC DN 110    | 101,60 | 116,14 | PC317  | PC319  |
| PL3180  | PVC DN 110    | 101,60 | 416,83 | PC2962 | PC2956 |
| PL3181  | PVC DN 110    | 101,60 | 250,53 | PC2964 | PC2961 |
| PL3182  | PVC DN 110    | 101,60 | 14,22  | PC2958 | PC2964 |
| PL3183  | PVC DN 110    | 101,60 | 193,47 | PC2964 | PC2960 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>91/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |        |        |        |
|--------|---------------|--------|--------|--------|--------|
| PL3184 | PVC DN 110    | 101,60 | 187,88 | PC2962 | PC2965 |
| PL3185 | PVC DN 160    | 147,60 | 381,43 | PC2963 | PC2966 |
| PL3186 | PVC DN 160    | 147,60 | 110,61 | PC2966 | PC2967 |
| PL3187 | PVC DN 110    | 101,60 | 336,08 | PC2961 | PC2967 |
| PL3188 | PVC DN 160    | 147,60 | 199,17 | PC2968 | PC2967 |
| PL3189 | PVC DN 160    | 147,60 | 132,63 | PC2968 | PC2969 |
| PL319  | PVC DN 160    | 147,60 | 257,33 | PC320  | PC316  |
| PL3190 | PVC DN 110    | 101,60 | 124,88 | PC2970 | PC2968 |
| PL3191 | PVC DN 110    | 101,60 | 99,13  | PC2970 | PC2971 |
| PL3192 | PVC DN 110    | 101,60 | 77,46  | PC2970 | PC2972 |
| PL3193 | PVC DN 110    | 101,60 | 114,34 | PC2972 | PC2973 |
| PL3194 | PVC DN 110    | 101,60 | 216,24 | PC2966 | PC2974 |
| PL3195 | PVC DN 160    | 147,60 | 172,09 | PC2969 | PC2975 |
| PL3196 | PVC DN 160    | 147,60 | 160,73 | PC2975 | PC2976 |
| PL3197 | PVC DN 110    | 101,60 | 129,45 | PC2976 | PC2977 |
| PL3198 | PVC DN 110    | 101,60 | 160,96 | PC2977 | PC2978 |
| PL3199 | PVC DN 110    | 101,60 | 81,79  | PC2978 | PC2979 |
| PL32   | PEHD DN 40    | 35,20  | 64,36  | PC31   | PC32   |
| PL320  | PVC DN 110    | 101,60 | 409,08 | PC320  | PC321  |
| PL3200 | PVC DN 110    | 101,60 | 130,47 | PC2975 | PC2978 |
| PL3201 | PVC DN 110    | 101,60 | 449,57 | PC2967 | PC2980 |
| PL3202 | PVC DN 110    | 101,60 | 802,15 | PC2949 | PC2981 |
| PL3203 | PEHD DN 110   | 96,80  | 109,40 | PC2981 | PC2982 |
| PL3204 | PEHD DN 225   | 198,20 | 37,02  | PC2983 | PC2984 |
| PL3205 | PEHD DN 110   | 96,80  | 185,50 | PC2983 | PC2985 |
| PL3206 | PEHD DN 225   | 198,20 | 291,19 | PC2983 | PC2986 |
| PL3207 | DUCTIL DN 250 | 250,40 | 103,31 | PC2986 | PC2987 |
| PL3208 | DUCTIL DN 250 | 250,40 | 70,54  | PC2986 | PC2988 |
| PL3209 | PEHD DN 225   | 198,20 | 367,27 | PC2988 | PC2989 |
| PL321  | PVC DN 110    | 101,60 | 195,51 | PC321  | PC322  |
| PL3210 | PEHD DN 160   | 141,00 | 162,25 | PC2989 | PC2990 |
| PL3211 | PEHD DN 225   | 198,20 | 280,53 | PC2989 | PC2991 |
| PL3212 | PVC DN 110    | 101,60 | 2,92   | PC2992 | PC2981 |
| PL3213 | PVC DN 110    | 101,60 | 348,55 | PC2992 | PC2952 |
| PL3214 | PVC DN 110    | 101,60 | 234,40 | PC2992 | PC2993 |
| PL3215 | PVC DN 110    | 101,60 | 170,09 | PC2993 | PC2994 |
| PL3216 | PVC DN 110    | 101,60 | 220,44 | PC2993 | PC2995 |
| PL3217 | PVC DN 110    | 101,60 | 171,87 | PC2995 | PC2996 |
| PL3218 | PVC DN 110    | 101,60 | 115,22 | PC2997 | PC2995 |
| PL3219 | PVC DN 110    | 101,60 | 156,18 | PC2998 | PC2997 |
| PL322  | PVC DN 110    | 101,60 | 117,01 | PC321  | PC324  |
| PL3220 | PVC DN 110    | 101,60 | 63,85  | PC2999 | PC2998 |
| PL3221 | PVC DN 110    | 101,60 | 118,44 | PC2999 | PC2993 |
| PL3222 | PVC DN 110    | 101,60 | 215,36 | PC2999 | PC3000 |
| PL3223 | PVC DN 110    | 101,60 | 68,85  | PC2998 | PC3001 |
| PL3224 | PVC DN 110    | 101,60 | 83,24  | PC3001 | PC3003 |
| PL3225 | PVC DN 110    | 101,60 | 29,12  | PC3001 | PC3002 |
| PL3226 | PVC DN 110    | 101,60 | 123,32 | PC3001 | PC3004 |
| PL3227 | PC DN 90      | 90,00  | 77,70  | PC3004 | PC3005 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>92/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL3228  | PVC DN 110  | 101,60 | 230,33 | PC2997 | PC3006 |
| PL3229  | PVC DN 225  | 207,80 | 151,24 | PC2955 | PC3007 |
| PL3229A | PVC DN 110  | 101,60 | 152,12 | PC2955 | PC3007 |
| PL323   | PVC DN 160  | 147,60 | 77,23  | PC292  | PC320  |
| PL3230  | PVC DN 110  | 101,60 | 227,10 | PC3007 | PC2997 |
| PL3231  | PVC DN 225  | 207,80 | 255,59 | PC3007 | PC3008 |
| PL3231A | PVC DN 110  | 101,60 | 256,61 | PC3007 | PC3008 |
| PL3232  | PVC DN 225  | 207,80 | 171,77 | PC3009 | PC3008 |
| PL3232A | PVC DN 110  | 101,60 | 172,29 | PC3008 | PC3009 |
| PL3233  | PVC DN 225  | 207,80 | 540,79 | PC3009 | PC3011 |
| PL3233A | PVC DN 110  | 101,60 | 540,84 | PC3009 | PC3010 |
| PL3234  | PVC DN 160  | 147,60 | 590,21 | PC3009 | PC3012 |
| PL3235  | PVC DN 110  | 101,60 | 26,68  | PC3013 | PC3012 |
| PL3236  | PVC DN 110  | 101,60 | 56,23  | PC3013 | PC3014 |
| PL3236A | PVC DN 110  | 101,60 | 196,31 | PC3013 | PC3442 |
| PL3237  | PVC DN 110  | 101,60 | 72,35  | PC3015 | PC3013 |
| PL3238  | PVC DN 110  | 101,60 | 110,39 | PC3016 | PC3015 |
| PL3239  | PVC DN 110  | 101,60 | 384,02 | PC3018 | PC3017 |
| PL324   | PVC DN 160  | 147,60 | 540,20 | PC292A | PC325  |
| PL3240  | PVC DN 110  | 101,60 | 69,50  | PC3019 | PC3018 |
| PL3241  | PEHD DN 110 | 96,80  | 169,74 | PC3018 | PC3020 |
| PL3242  | PVC DN 110  | 101,60 | 176,61 | PC3022 | PC3019 |
| PL3243  | PEHD DN 110 | 96,80  | 63,47  | PC3020 | PC3021 |
| PL3244  | PVC DN 110  | 101,60 | 192,82 | PC3023 | PC3022 |
| PL3245  | PVC DN 110  | 101,60 | 198,60 | PC3022 | PC2957 |
| PL3246  | PVC DN 110  | 101,60 | 378,12 | PC3008 | PC3019 |
| PL3247  | PVC DN 110  | 101,60 | 292,18 | PC3012 | PC3024 |
| PL3248  | PVC DN 160  | 147,60 | 254,09 | PC3015 | PC3025 |
| PL3249  | PVC DN 110  | 101,60 | 79,55  | PC3025 | PC3026 |
| PL325   | PVC DN 110  | 101,60 | 122,54 | PC325  | PC326  |
| PL3250  | PVC DN 160  | 147,60 | 88,80  | PC3025 | PC3027 |
| PL3251  | PVC DN 110  | 101,60 | 190,51 | PC3028 | PC3025 |
| PL3252  | PVC DN 110  | 101,60 | 172,86 | PC3029 | PC3028 |
| PL3253  | PVC DN 110  | 101,60 | 12,69  | PC3029 | PC3030 |
| PL3254  | PVC DN 110  | 101,60 | 125,92 | PC3031 | PC3030 |
| PL3255  | PVC DN 110  | 101,60 | 65,21  | PC3030 | PC3032 |
| PL3256  | PVC DN 110  | 101,60 | 116,04 | PC3033 | PC3029 |
| PL3257  | PVC DN 110  | 101,60 | 83,88  | PC3034 | PC3033 |
| PL3258  | PVC DN 110  | 101,60 | 199,11 | PC3033 | PC3035 |
| PL3259  | PVC DN 160  | 147,60 | 121,58 | PC3035 | PC3036 |
| PL326   | PVC DN 160  | 147,60 | 40,23  | PC327  | PC325  |
| PL3260  | PEHD DN 110 | 96,80  | 131,77 | PC3037 | PC3035 |
| PL3261  | PVC DN 110  | 101,60 | 239,60 | PC3037 | PC3038 |
| PL3262  | PEHD DN 110 | 96,80  | 97,46  | PC3038 | PC3039 |
| PL3263  | PEHD DN 160 | 141,00 | 184,15 | PC2969 | PC3037 |
| PL3264  | PEHD DN 110 | 96,80  | 246,24 | PC3038 | PC3020 |
| PL3265  | PVC DN 110  | 101,60 | 152,26 | PC3035 | PC3040 |
| PL3266  | PEHD DN 110 | 96,80  | 133,42 | PC3041 | PC3040 |
| PL3267  | PEHD DN 110 | 96,80  | 12,95  | PC3041 | PC3042 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>93/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL3268 | PEHD DN 110   | 96,80  | 98,70    | PC3041 | PC3043 |
| PL3269 | PEHD DN 110   | 96,80  | 55,87    | PC3043 | PC3044 |
| PL327  | PVC DN 110    | 101,60 | 194,19   | PC327  | PC328  |
| PL3270 | PEHD DN 110   | 96,80  | 79,33    | PC3043 | PC3045 |
| PL3271 | PEHD DN 110   | 96,80  | 115,76   | PC3048 | PC3041 |
| PL3272 | PEHD DN 110   | 96,80  | 83,65    | PC3048 | PC3049 |
| PL3273 | PEHD DN 110   | 96,80  | 132,25   | PC3047 | PC3048 |
| PL3274 | PEHD DN 110   | 96,80  | 127,24   | PC3047 | PC3040 |
| PL3275 | PEHD DN 110   | 96,80  | 122,24   | PC3046 | PC3047 |
| PL3276 | PEHD DN 110   | 96,80  | 279,72   | PC3037 | PC3046 |
| PL3277 | PEHD DN 110   | 96,80  | 211,10   | PC3050 | PC3046 |
| PL3278 | DUCTIL DN 250 | 250,40 | 1.200,48 | PC2988 | PC3051 |
| PL3279 | DUCTIL DN 250 | 250,40 | 142,32   | PC3051 | PC3052 |
| PL328  | PVC DN 160    | 147,60 | 105,71   | PC329  | PC327  |
| PL3280 | PVC DN 225    | 207,80 | 316,51   | PC3053 | PC3052 |
| PL3281 | PVC DN 110    | 101,60 | 309,49   | PC3054 | PC3053 |
| PL3282 | PVC DN 225    | 207,80 | 11,70    | PC3055 | PC3053 |
| PL3283 | PVC DN 110    | 101,60 | 408,37   | PC3055 | PC3056 |
| PL3284 | PVC DN 110    | 101,60 | 207,07   | PC3053 | PC3057 |
| PL3285 | PVC DN 110    | 101,60 | 145,41   | PC3057 | PC3058 |
| PL3286 | PVC DN 110    | 101,60 | 117,38   | PC3057 | PC3059 |
| PL3287 | PVC DN 110    | 101,60 | 213,16   | PC3059 | PC3060 |
| PL3288 | PVC DN 110    | 101,60 | 160,79   | PC3059 | PC3061 |
| PL3289 | PVC DN 225    | 207,80 | 428,12   | PC3061 | PC3055 |
| PL329  | PVC DN 160    | 101,60 | 154,50   | PC329  | PC330  |
| PL3290 | PVC DN 225    | 207,80 | 378,16   | PC3061 | PC3062 |
| PL3291 | PVC DN 110    | 101,60 | 222,72   | PC3063 | PC3062 |
| PL3292 | PVC DN 225    | 207,80 | 446,44   | PC3064 | PC3062 |
| PL3293 | PVC DN 110    | 101,60 | 191,72   | PC3064 | PC3065 |
| PL3294 | PVC DN 225    | 207,80 | 1.105,85 | PC3066 | PC3064 |
| PL3295 | PVC DN 90     | 81,40  | 178,76   | PC3066 | PC3067 |
| PL3296 | PVC DN 225    | 207,80 | 117,10   | PC3068 | PC3066 |
| PL3297 | PVC DN 160    | 147,60 | 197,19   | PC3068 | PC3069 |
| PL3298 | PVC DN 110    | 101,60 | 213,95   | PC3069 | PC3070 |
| PL3299 | PVC DN 110    | 101,60 | 201,76   | PC3070 | PC3071 |
| PL33   | PEHD DN 75    | 66,00  | 262,90   | PC31   | PC33   |
| PL330  | PVC DN 160    | 147,60 | 294,71   | PC331  | PC329  |
| PL3300 | PVC DN 110    | 101,60 | 262,76   | PC3071 | PC3072 |
| PL3301 | PVC DN 160    | 147,60 | 203,55   | PC3069 | PC3072 |
| PL3302 | PVC DN 160    | 147,60 | 813,54   | PC3072 | PC3073 |
| PL3303 | PVC DN 110    | 101,60 | 276,54   | PC3073 | PC3074 |
| PL3304 | PVC DN 160    | 147,60 | 145,20   | PC3073 | PC3075 |
| PL3305 | PVC DN 110    | 101,60 | 198,18   | PC3075 | PC3076 |
| PL3306 | PVC DN 160    | 147,60 | 38,57    | PC3075 | PC3077 |
| PL3307 | PVC DN 110    | 101,60 | 158,46   | PC3077 | PC3078 |
| PL3308 | PVC DN 160    | 147,60 | 373,56   | PC3077 | PC3079 |
| PL3309 | PVC DN 225    | 207,80 | 1.646,47 | PC3080 | PC3068 |
| PL331  | PEHD DN 63    | 55,40  | 59,81    | PC331  | PC332  |
| PL3310 | PVC DN 110    | 101,60 | 121,95   | PC3080 | PC3081 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>94/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |            |        |          |        |        |
|--------|------------|--------|----------|--------|--------|
| PL3311 | PVC DN 110 | 101,60 | 667,08   | PC3081 | PC3082 |
| PL3312 | PVC DN 110 | 101,60 | 124,59   | PC3082 | PC3093 |
| PL3313 | PVC DN 225 | 207,80 | 158,35   | PC3087 | PC3093 |
| PL3314 | PVC DN 225 | 207,80 | 328,24   | PC3084 | PC3087 |
| PL3315 | PVC DN 225 | 207,80 | 153,33   | PC3080 | PC3084 |
| PL3316 | PVC DN 110 | 101,60 | 55,45    | PC3084 | PC3086 |
| PL3317 | PVC DN 110 | 101,60 | 334,01   | PC3086 | PC3088 |
| PL3318 | PVC DN 110 | 101,60 | 77,89    | PC3088 | PC3087 |
| PL3319 | PVC DN 110 | 101,60 | 226,64   | PC3088 | PC3089 |
| PL332  | PVC DN 160 | 147,60 | 235,19   | PC333  | PC331  |
| PL3320 | PVC DN 225 | 207,80 | 127,89   | PC3090 | PC3093 |
| PL3321 | PVC DN 110 | 101,60 | 397,18   | PC3090 | PC3091 |
| PL3322 | PVC DN 225 | 207,80 | 289,73   | PC3090 | PC3092 |
| PL3323 | PVC DN 110 | 101,60 | 633,99   | PC3092 | PC3094 |
| PL3324 | PVC DN 225 | 207,80 | 2.092,82 | PC3092 | PC3095 |
| PL3325 | PVC DN 225 | 207,80 | 656,50   | PC3095 | PC2749 |
| PL3326 | PVC DN 225 | 207,80 | 148,55   | PC3095 | PC3097 |
| PL3327 | PVC DN 110 | 101,60 | 86,29    | PC3097 | PC3096 |
| PL3328 | PVC DN 225 | 207,80 | 70,68    | PC3097 | PC3098 |
| PL3329 | PVC DN 110 | 101,60 | 142,28   | PC3098 | PC3099 |
| PL333  | PEHD DN 50 | 44,00  | 98,26    | PC333  | PC334  |
| PL3330 | PVC DN 225 | 207,80 | 247,84   | PC3098 | PC3100 |
| PL3331 | PVC DN 110 | 101,60 | 80,28    | PC3100 | PC3101 |
| PL3332 | PVC DN 110 | 101,60 | 136,56   | PC3101 | PC3102 |
| PL3333 | PVC DN 225 | 207,80 | 127,55   | PC3100 | PC3103 |
| PL3334 | PVC DN 110 | 101,60 | 163,59   | PC3103 | PC3104 |
| PL3335 | PVC DN 110 | 101,60 | 102,16   | PC3104 | PC3105 |
| PL3336 | PVC DN 110 | 101,60 | 35,37    | PC3105 | PC3106 |
| PL3337 | PVC DN 110 | 101,60 | 41,98    | PC3105 | PC3107 |
| PL3338 | PVC DN 225 | 207,80 | 199,97   | PC3103 | PC3108 |
| PL3339 | PVC DN 110 | 101,60 | 1.123,27 | PC3108 | PC3109 |
| PL334  | PVC DN 160 | 147,60 | 172,55   | PC335  | PC333  |
| PL3340 | PVC DN 225 | 207,80 | 90,45    | PC3108 | PC3110 |
| PL3341 | PVC DN 110 | 101,60 | 80,35    | PC3110 | PC3111 |
| PL3342 | PVC DN 225 | 207,80 | 606,11   | PC3110 | PC3112 |
| PL3343 | PVC DN 110 | 101,60 | 118,31   | PC3112 | PC3113 |
| PL3344 | PVC DN 110 | 101,60 | 180,76   | PC3114 | PC3113 |
| PL3345 | PVC DN 110 | 101,60 | 279,95   | PC3113 | PC3115 |
| PL3346 | PVC DN 110 | 101,60 | 125,68   | PC3116 | PC3115 |
| PL3347 | PVC DN 225 | 207,80 | 278,66   | PC3112 | PC3116 |
| PL3348 | PVC DN 225 | 207,80 | 38,70    | PC3116 | PC3117 |
| PL3349 | PVC DN 110 | 101,60 | 121,34   | PC3118 | PC3117 |
| PL335  | PVC DN 110 | 101,60 | 581,66   | PC335  | PC336  |
| PL3350 | PVC DN 225 | 207,80 | 355,66   | PC3117 | PC3119 |
| PL3351 | PVC DN 225 | 207,80 | 134,16   | PC3120 | PC3119 |
| PL3352 | PVC DN 225 | 207,80 | 86,17    | PC3120 | PC3121 |
| PL3353 | PVC DN 110 | 101,60 | 195,31   | PC3122 | PC3121 |
| PL3354 | PVC DN 225 | 207,80 | 104,58   | PC3121 | PC3123 |
| PL3355 | PVC DN 225 | 207,80 | 82,14    | PC3123 | PC3124 |

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|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. grad. |                   |          |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>95/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL3356  | PVC DN 110  | 101,60 | 824,52   | PC3124 | PC3125 |
| PL3357  | PVC DN 225  | 207,80 | 348,43   | PC3124 | PC3126 |
| PL3358  | PVC DN 110  | 101,60 | 242,68   | PC3126 | PC3127 |
| PL3359  | PVC DN 225  | 207,80 | 299,48   | PC3126 | PC3128 |
| PL336   | PVC DN 110  | 101,60 | 163,43   | PC336  | PC337  |
| PL3360  | PVC DN 160  | 147,60 | 443,40   | PC3129 | PC3128 |
| PL3361  | PVC DN 110  | 101,60 | 436,20   | PC3129 | PC3126 |
| PL3362  | PVC DN 160  | 147,60 | 121,05   | PC3129 | PC3130 |
| PL3363  | PVC DN 110  | 101,60 | 445,54   | PC3130 | PC3123 |
| PL3364  | PVC DN 160  | 147,60 | 103,55   | PC3131 | PC3130 |
| PL3365  | PVC DN 160  | 147,60 | 141,08   | PC3132 | PC3131 |
| PL3366  | PVC DN 160  | 147,60 | 133,85   | PC3133 | PC3132 |
| PL3367  | PVC DN 160  | 147,60 | 331,08   | PC3133 | PC3120 |
| PL3368  | PVC DN 110  | 101,60 | 171,18   | PC3134 | PC3133 |
| PL3369  | PVC DN 110  | 101,60 | 403,85   | PC3119 | PC3134 |
| PL337   | PEHD DN 63  | 55,40  | 51,56    | PC336  | PC338  |
| PL3370  | PVC DN 160  | 147,60 | 452,86   | PC3132 | PC3135 |
| PL3371  | PVC DN 110  | 101,60 | 216,92   | PC3136 | PC3132 |
| PL3372  | PVC DN 110  | 101,60 | 181,59   | PC3136 | PC3131 |
| PL3373  | PVC DN 110  | 101,60 | 158,07   | PC3137 | PC3136 |
| PL3374  | PVC DN 110  | 101,60 | 117,74   | PC3137 | PC3138 |
| PL3375  | PVC DN 110  | 101,60 | 997,65   | PC3139 | PC3137 |
| PL3376  | PVC DN 225  | 207,80 | 1.050,90 | PC3128 | PC3140 |
| PL3377  | PVC DN 110  | 101,60 | 230,75   | PC3141 | PC3140 |
| PL3378  | PVC DN 110  | 101,60 | 384,24   | PC3141 | PC3142 |
| PL3379  | PVC DN 110  | 101,60 | 115,77   | PC3142 | PC3144 |
| PL338   | PEHD DN 110 | 96,80  | 1.530,68 | PC336  | PC339A |
| PL3380  | PVC DN 110  | 101,60 | 115,03   | PC3142 | PC3143 |
| PL3381  | PVC DN 110  | 101,60 | 220,58   | PC3141 | PC3145 |
| PL3382  | PVC DN 110  | 101,60 | 124,57   | PC3145 | PC3146 |
| PL3383  | PVC DN 110  | 101,60 | 425,37   | PC3146 | PC3147 |
| PL3384  | PEHD DN 110 | 96,80  | 276,65   | PC3148 | PC3147 |
| PL3385  | PVC DN 110  | 101,60 | 187,36   | PC3149 | PC3148 |
| PL3386  | PVC DN 110  | 101,60 | 138,14   | PC3146 | PC3149 |
| PL3387  | PVC DN 110  | 101,60 | 207,17   | PC3149 | PC3150 |
| PL3388  | PVC DN 110  | 101,60 | 387,69   | PC3151 | PC3145 |
| PL3389  | PVC DN 110  | 101,60 | 10,20    | PC3152 | PC3151 |
| PL339   | PVC DN 160  | 147,60 | 182,73   | PC339  | PC335  |
| PL3390  | PVC DN 225  | 207,80 | 423,96   | PC3156 | PC2635 |
| PL3391  | PVC DN 225  | 207,80 | 459,10   | PC3153 | PC3152 |
| PL3392  | PVC DN 225  | 207,80 | 359,18   | PC3153 | PC3154 |
| PL3393  | PVC DN 110  | 101,60 | 143,51   | PC3154 | PC3155 |
| PL3394  | PVC DN 225  | 207,80 | 449,24   | PC3140 | PC3152 |
| PL3395  | PVC DN 110  | 101,60 | 129,95   | PC3154 | PC3157 |
| PL3396  | PVC DN 225  | 207,80 | 54,33    | PC3157 | PC3158 |
| PL3397  | PVC DN 110  | 101,60 | 194,94   | PC3158 | PC3159 |
| PL3397A | PVC DN 110  | 101,60 | 336,15   | PC3157 | PC3190 |
| PL3398  | PVC DN 225  | 207,80 | 357,80   | PC3158 | PC3160 |
| PL3399  | PVC DN 110  | 101,60 | 226,16   | PC3160 | PC3161 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>96/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |            |        |        |        |        |
|--------|------------|--------|--------|--------|--------|
| PL34   | PEHD DN 40 | 35,20  | 102,03 | PC33   | PC34   |
| PL340  | PVC DN 110 | 101,60 | 183,62 | PC339  | PC340  |
| PL3400 | PVC DN 225 | 207,80 | 20,50  | PC3160 | PC3162 |
| PL3401 | PVC DN 225 | 207,80 | 237,91 | PC3162 | PC3163 |
| PL3402 | PVC DN 110 | 101,60 | 152,14 | PC3163 | PC3164 |
| PL3403 | PVC DN 110 | 101,60 | 309,72 | PC3164 | PC3165 |
| PL3404 | PVC DN 110 | 101,60 | 102,86 | PC3165 | PC3166 |
| PL3405 | PVC DN 110 | 101,60 | 82,43  | PC3167 | PC3165 |
| PL3406 | PVC DN 110 | 101,60 | 136,97 | PC3168 | PC3167 |
| PL3407 | PVC DN 110 | 101,60 | 100,28 | PC3169 | PC3168 |
| PL3408 | PVC DN 110 | 101,60 | 84,25  | PC3170 | PC3169 |
| PL3409 | PVC DN 110 | 101,60 | 134,55 | PC3164 | PC3170 |
| PL341  | PVC DN 110 | 101,60 | 19,86  | PC340  | PC341  |
| PL3410 | PVC DN 110 | 101,60 | 73,36  | PC3170 | PC3171 |
| PL3411 | PVC DN 110 | 101,60 | 191,32 | PC3179 | PC3167 |
| PL3412 | PVC DN 110 | 101,60 | 138,90 | PC3173 | PC3179 |
| PL3413 | PVC DN 110 | 101,60 | 61,91  | PC3172 | PC3173 |
| PL3414 | PVC DN 110 | 101,60 | 16,46  | PC3171 | PC3172 |
| PL3415 | PVC DN 110 | 101,60 | 319,22 | PC3162 | PC3171 |
| PL3416 | PVC DN 110 | 101,60 | 96,52  | PC3173 | PC3174 |
| PL3417 | PVC DN 110 | 101,60 | 47,55  | PC3174 | PC3177 |
| PL3418 | PVC DN 110 | 101,60 | 15,92  | PC3175 | PC3174 |
| PL3419 | PVC DN 110 | 101,60 | 60,57  | PC3175 | PC3178 |
| PL342  | PEHD DN 40 | 35,20  | 72,55  | PC340  | PC342  |
| PL3420 | PVC DN 110 | 101,60 | 33,51  | PC3176 | PC3175 |
| PL3421 | PVC DN 110 | 101,60 | 59,98  | PC3172 | PC3176 |
| PL3422 | PVC DN 110 | 101,60 | 112,13 | PC3176 | PC3182 |
| PL3423 | PVC DN 110 | 101,60 | 137,01 | PC3182 | PC3181 |
| PL3424 | PVC DN 110 | 101,60 | 102,46 | PC3181 | PC3180 |
| PL3425 | PVC DN 110 | 101,60 | 252,36 | PC3180 | PC3179 |
| PL3426 | PVC DN 110 | 101,60 | 95,45  | PC3180 | PC3185 |
| PL3427 | PVC DN 110 | 101,60 | 45,15  | PC3185 | PC3186 |
| PL3428 | PVC DN 110 | 101,60 | 40,91  | PC3187 | PC3185 |
| PL3429 | PVC DN 110 | 101,60 | 67,93  | PC3187 | PC3188 |
| PL343  | PVC DN 160 | 147,60 | 149,95 | PC343  | PC339  |
| PL3430 | PVC DN 110 | 101,60 | 98,74  | PC3188 | PC3181 |
| PL3431 | PVC DN 110 | 101,60 | 85,22  | PC3189 | PC3188 |
| PL3432 | PVC DN 110 | 101,60 | 150,23 | PC3189 | PC3183 |
| PL3433 | PVC DN 110 | 101,60 | 10,65  | PC3182 | PC3183 |
| PL3434 | PVC DN 110 | 101,60 | 44,77  | PC3183 | PC3184 |
| PL3435 | PVC DN 110 | 101,60 | 173,02 | PC3191 | PC3187 |
| PL3436 | PVC DN 110 | 101,60 | 82,57  | PC3189 | PC3190 |
| PL3437 | PVC DN 110 | 101,60 | 57,14  | PC3190 | PC3191 |
| PL3438 | PVC DN 110 | 101,60 | 183,64 | PC3191 | PC3192 |
| PL3439 | PVC DN 110 | 101,60 | 218,68 | PC3192 | PC3193 |
| PL344  | PVC DN 160 | 147,60 | 33,43  | PC344  | PC343  |
| PL3440 | PVC DN 225 | 207,80 | 661,65 | PC3163 | PC3194 |
| PL3441 | PVC DN 225 | 207,80 | 861,98 | PC3194 | PC3195 |
| PL3442 | PVC DN 110 | 101,60 | 180,17 | PC3195 | PC3196 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>97/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |            |        |        |        |        |
|--------|------------|--------|--------|--------|--------|
| PL3443 | PVC DN 110 | 101,60 | 117,77 | PC3197 | PC3196 |
| PL3444 | PVC DN 110 | 101,60 | 310,06 | PC3197 | PC3198 |
| PL3445 | PVC DN 110 | 101,60 | 425,65 | PC3197 | PC3199 |
| PL3446 | PVC DN 110 | 101,60 | 274,09 | PC3199 | PC3200 |
| PL3447 | PVC DN 110 | 101,60 | 430,83 | PC3196 | PC3200 |
| PL3448 | PVC DN 110 | 101,60 | 94,14  | PC3200 | PC3201 |
| PL3449 | PVC DN 110 | 101,60 | 230,80 | PC3201 | PC3202 |
| PL345  | PVC DN 160 | 147,60 | 70,06  | PC345  | PC344  |
| PL3450 | PVC DN 110 | 101,60 | 151,52 | PC3202 | PC3207 |
| PL3451 | PVC DN 110 | 101,60 | 49,45  | PC3207 | PC3208 |
| PL3452 | PVC DN 110 | 101,60 | 147,85 | PC3203 | PC3207 |
| PL3453 | PVC DN 110 | 101,60 | 237,97 | PC3201 | PC3203 |
| PL3454 | PVC DN 110 | 101,60 | 63,54  | PC3204 | PC3203 |
| PL3455 | PVC DN 110 | 101,60 | 19,76  | PC3205 | PC3204 |
| PL3456 | PVC DN 110 | 101,60 | 66,85  | PC3205 | PC3206 |
| PL3457 | PVC DN 110 | 101,60 | 167,30 | PC3204 | PC3208 |
| PL3458 | PVC DN 110 | 101,60 | 33,92  | PC3208 | PC3209 |
| PL3459 | PVC DN 110 | 101,60 | 38,17  | PC3209 | PC3210 |
| PL345A | PVC DN 110 | 101,60 | 213,82 | PC344  | PC344A |
| PL346  | PVC DN 160 | 147,60 | 177,84 | PC346  | PC345  |
| PL3460 | PVC DN 110 | 101,60 | 158,16 | PC3210 | PC3211 |
| PL3461 | PVC DN 110 | 101,60 | 88,79  | PC3211 | PC3212 |
| PL3462 | PVC DN 110 | 101,60 | 110,57 | PC3211 | PC3213 |
| PL3463 | PVC DN 110 | 101,60 | 87,57  | PC3213 | PC3214 |
| PL3464 | PVC DN 110 | 101,60 | 118,71 | PC3213 | PC3215 |
| PL3465 | PVC DN 110 | 101,60 | 197,81 | PC3210 | PC3215 |
| PL3466 | PVC DN 110 | 101,60 | 153,81 | PC3215 | PC3216 |
| PL3467 | PVC DN 110 | 101,60 | 440,29 | PC3216 | PC3217 |
| PL3468 | PVC DN 110 | 101,60 | 178,30 | PC3219 | PC3205 |
| PL3469 | PVC DN 110 | 101,60 | 295,52 | PC3219 | PC3220 |
| PL347  | PVC DN 110 | 101,60 | 287,83 | PC343  | PC347  |
| PL3470 | PVC DN 110 | 101,60 | 79,53  | PC3220 | PC3221 |
| PL3471 | PVC DN 110 | 101,60 | 210,62 | PC3221 | PC3209 |
| PL3472 | PVC DN 110 | 101,60 | 148,86 | PC3221 | PC3222 |
| PL3473 | PVC DN 110 | 101,60 | 242,66 | PC3222 | PC3223 |
| PL3474 | PVC DN 110 | 101,60 | 181,86 | PC3223 | PC3224 |
| PL3475 | PVC DN 110 | 101,60 | 168,08 | PC3223 | PC3225 |
| PL3476 | PVC DN 110 | 101,60 | 185,36 | PC3218 | PC3219 |
| PL3477 | PVC DN 225 | 207,80 | 211,08 | PC3195 | PC3218 |
| PL3478 | PVC DN 225 | 207,80 | 282,34 | PC3218 | PC3227 |
| PL3479 | PVC DN 110 | 101,60 | 118,97 | PC3227 | PC3226 |
| PL348  | PVC DN 110 | 101,60 | 119,17 | PC347  | PC348  |
| PL3480 | PVC DN 110 | 101,60 | 185,63 | PC3226 | PC3220 |
| PL3481 | PVC DN 110 | 101,60 | 256,47 | PC3226 | PC3228 |
| PL3482 | PVC DN 110 | 101,60 | 199,81 | PC3228 | PC3222 |
| PL3483 | PVC DN 110 | 101,60 | 182,73 | PC3229 | PC3228 |
| PL3484 | PVC DN 225 | 207,80 | 393,07 | PC3227 | PC3229 |
| PL3485 | PVC DN 225 | 207,80 | 984,05 | PC3229 | PC3230 |
| PL3486 | PVC DN 110 | 101,60 | 238,29 | PC3230 | PC3231 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>98/512       |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |            |        |          |        |        |
|---------|------------|--------|----------|--------|--------|
| PL3487  | PVC DN 225 | 207,80 | 218,80   | PC3230 | PC3232 |
| PL3488  | PVC DN 110 | 101,60 | 184,15   | PC3232 | PC3233 |
| PL3489  | PVC DN 225 | 207,80 | 112,02   | PC3232 | PC3236 |
| PL349   | PVC DN 110 | 101,60 | 95,06    | PC349  | PC347  |
| PL3490  | PVC DN 110 | 101,60 | 114,48   | PC3234 | PC3235 |
| PL3491  | PVC DN 225 | 207,80 | 1.613,05 | PC3238 | PC3237 |
| PL3491A | PVC DN 225 | 207,80 | 237,80   | PC3237 | PC3097 |
| PL3492  | PVC DN 110 | 101,60 | 510,79   | PC3239 | PC3238 |
| PL3493  | PVC DN 110 | 101,60 | 202,56   | PC3240 | PC3239 |
| PL3494  | PVC DN 110 | 101,60 | 372,19   | PC3240 | PC3241 |
| PL3495  | PVC DN 110 | 101,60 | 288,50   | PC3241 | PC3242 |
| PL3496  | PVC DN 110 | 101,60 | 175,97   | PC3244 | PC3240 |
| PL3497  | PVC DN 225 | 207,80 | 155,05   | PC3244 | PC3242 |
| PL3498  | PVC DN 110 | 101,60 | 88,55    | PC3242 | PC3243 |
| PL3499  | PVC DN 225 | 207,80 | 452,46   | PC3242 | PC3238 |
| PL35    | PEHD DN 75 | 66,00  | 177,81   | PC33   | PC35   |
| PL350   | PVC DN 110 | 101,60 | 360,30   | PC345  | PC349  |
| PL3500  | PVC DN 225 | 207,80 | 133,91   | PC3245 | PC3244 |
| PL3501  | PVC DN 110 | 101,60 | 17,13    | PC3246 | PC3245 |
| PL3502  | PVC DN 110 | 101,60 | 187,81   | PC3246 | PC3247 |
| PL3503  | PEHD DN 63 | 55,40  | 101,57   | PC3247 | PC3248 |
| PL3504  | PVC DN 110 | 101,60 | 278,49   | PC3247 | PC3249 |
| PL3505  | PVC DN 225 | 207,80 | 47,00    | PC3250 | PC3245 |
| PL3506  | PVC DN 225 | 207,80 | 52,24    | PC3251 | PC3250 |
| PL3507  | PVC DN 110 | 101,60 | 52,13    | PC3255 | PC3246 |
| PL3508  | PVC DN 110 | 101,60 | 52,53    | PC3251 | PC3255 |
| PL3509  | PVC DN 110 | 101,60 | 35,83    | PC3251 | PC3252 |
| PL351   | PVC DN 110 | 101,60 | 296,14   | PC349  | PC350  |
| PL3510  | PVC DN 110 | 101,60 | 75,50    | PC3252 | PC3254 |
| PL3511  | PEHD DN 63 | 55,40  | 117,85   | PC3252 | PC3253 |
| PL3512  | PVC DN 225 | 207,80 | 335,77   | PC3256 | PC3251 |
| PL3512A | PVC DN 110 | 101,60 | 335,86   | PC3256 | PC3251 |
| PL3513  | PVC DN 225 | 207,80 | 755,70   | PC3256 | PC3258 |
| PL3514  | PVC DN 110 | 101,60 | 1,00     | PC3259 | PC3258 |
| PL3515  | PVC DN 110 | 101,60 | 267,65   | PC3257 | PC3259 |
| PL3516  | PVC DN 110 | 101,60 | 621,27   | PC3258 | PC3260 |
| PL3517  | PVC DN 225 | 207,80 | 328,04   | PC3261 | PC3258 |
| PL3517A | PVC DN 110 | 101,60 | 327,86   | PC3261 | PC3259 |
| PL3518  | PVC DN 225 | 207,80 | 148,04   | PC3262 | PC3261 |
| PL3518A | PVC DN 110 | 101,60 | 147,23   | PC3262 | PC3261 |
| PL3519  | PVC DN 110 | 101,60 | 523,82   | PC3263 | PC3262 |
| PL3519A | PVC DN 225 | 207,80 | 523,12   | PC3263 | PC3262 |
| PL352   | PVC DN 160 | 147,60 | 468,71   | PC351  | PC346  |
| PL3520  | PVC DN 110 | 101,60 | 508,81   | PC3264 | PC3261 |
| PL3521  | PVC DN 110 | 101,60 | 214,61   | PC3263 | PC3264 |
| PL3522  | PVC DN 110 | 101,60 | 80,35    | PC3264 | PC3265 |
| PL3523  | PVC DN 110 | 101,60 | 125,27   | PC3265 | PC3266 |
| PL353   | PVC DN 160 | 147,60 | 110,34   | PC351  | PC352  |
| PL3534  | PVC DN 315 | 290,80 | 234,20   | PC3277 | PC3263 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>99/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|         |             |        |          |        |        |
|---------|-------------|--------|----------|--------|--------|
| PL3534A | PVC DN 110  | 101,60 | 234,40   | PC3278 | PC3263 |
| PL3535  | PVC DN 110  | 101,60 | 1,27     | PC3278 | PC3277 |
| PL3535A | PVC DN 110  | 101,60 | 17,99    | PC3279 | PC3278 |
| PL3536  | PVC DN 110  | 101,60 | 355,51   | PC3276 | PC3264 |
| PL3537  | PVC DN 110  | 101,60 | 99,99    | PC3265 | PC3267 |
| PL3538  | PVC DN 110  | 101,60 | 78,67    | PC3267 | PC3268 |
| PL3539  | PVC DN 110  | 101,60 | 72,61    | PC3273 | PC3268 |
| PL354   | PVC DN 160  | 147,60 | 84,07    | PC352  | PC353  |
| PL3540  | PVC DN 110  | 101,60 | 109,97   | PC3273 | PC3267 |
| PL3541  | PVC DN 110  | 101,60 | 221,27   | PC3268 | PC3269 |
| PL3542  | PVC DN 110  | 101,60 | 193,51   | PC3269 | PC3270 |
| PL3543  | PVC DN 110  | 101,60 | 217,53   | PC3271 | PC3270 |
| PL3544  | PVC DN 110  | 101,60 | 102,87   | PC3269 | PC3271 |
| PL3545  | PVC DN 110  | 101,60 | 232,88   | PC3272 | PC3271 |
| PL3546  | PVC DN 110  | 101,60 | 174,39   | PC3272 | PC3273 |
| PL3547  | PVC DN 110  | 101,60 | 271,34   | PC3274 | PC3272 |
| PL3548  | PVC DN 110  | 101,60 | 182,35   | PC3275 | PC3274 |
| PL3549  | PVC DN 110  | 101,60 | 15,90    | PC3276 | PC3275 |
| PL355   | PVC DN 110  | 101,60 | 197,42   | PC353  | PC354  |
| PL3550  | PVC DN 110  | 101,60 | 168,36   | PC3277 | PC3276 |
| PL3551  | PVC DN 315  | 290,80 | 19,99    | PC3279 | PC3277 |
| PL3552  | PVC DN 110  | 101,60 | 237,05   | PC3279 | PC3280 |
| PL3553  | PVC DN 110  | 101,60 | 132,01   | PC3274 | PC3281 |
| PL3554  | PVC DN 110  | 101,60 | 136,43   | PC3281 | PC3282 |
| PL3555  | PVC DN 110  | 101,60 | 130,05   | PC3281 | PC3283 |
| PL3556  | PEHD DN 63  | 55,40  | 16,32    | PC3283 | PC3286 |
| PL3557  | PEHD DN 63  | 55,40  | 40,40    | PC3286 | PC3284 |
| PL3558  | PEHD DN 63  | 55,40  | 29,88    | PC3286 | PC3285 |
| PL3559  | PVC DN 110  | 101,60 | 238,00   | PC3275 | PC3283 |
| PL356   | PVC DN 110  | 101,60 | 380,46   | PC354  | PC356  |
| PL3560  | PVC DN 315  | 290,80 | 339,10   | PC3287 | PC3279 |
| PL3561  | PVC DN 110  | 101,60 | 89,60    | PC3288 | PC3287 |
| PL3562  | PVC DN 110  | 101,60 | 180,35   | PC3289 | PC3288 |
| PL3563  | PVC DN 110  | 101,60 | 279,14   | PC3291 | PC3289 |
| PL3564  | PVC DN 110  | 101,60 | 336,70   | PC3290 | PC3288 |
| PL3565  | PVC DN 315  | 290,80 | 312,79   | PC3290 | PC3287 |
| PL3566  | PVC DN 315  | 290,80 | 41,45    | PC3291 | PC3290 |
| PL3567  | PVC DN 110  | 101,60 | 88,51    | PC3291 | PC3292 |
| PL3568  | PVC DN 110  | 101,60 | 386,01   | PC3290 | PC3293 |
| PL3569  | PVC DN 315  | 290,80 | 1.094,74 | PC4098 | PC3291 |
| PL3569A | PVC DN 315  | 290,80 | 511,91   | PC3294 | PC4098 |
| PL357   | PVC DN 110  | 101,60 | 244,84   | PC354  | PC355  |
| PL3570  | PVC DN 225  | 207,80 | 277,33   | PC3294 | PC3296 |
| PL3571  | PEHD DN 225 | 198,20 | 474,93   | PC3297 | PC3296 |
| PL3572  | PVC DN 315  | 290,80 | 387,58   | PC3298 | PC3294 |
| PL3572A | PVC DN 110  | 101,60 | 382,46   | PC3295 | PC3298 |
| PL3573  | PVC DN 110  | 101,60 | 381,71   | PC3298 | PC3299 |
| PL3574  | PVC DN 110  | 101,60 | 206,56   | PC3299 | PC3300 |
| PL3575  | PVC DN 110  | 101,60 | 310,97   | PC3300 | PC3301 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
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|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>100/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |        |        |
|---------|-------------|--------|--------|--------|--------|
| PL3576  | PVC DN 315  | 290,80 | 25,01  | PC3302 | PC3298 |
| PL3577  | PVC DN 315  | 290,80 | 12,09  | PC3303 | PC3302 |
| PL3578  | PVC DN 315  | 290,80 | 261,31 | PC3304 | PC3303 |
| PL3578A | PVC DN 110  | 101,60 | 261,77 | PC3304 | PC3303 |
| PL3579  | PVC DN 110  | 101,60 | 64,80  | PC3304 | PC3305 |
| PL358   | PVC DN 160  | 147,60 | 406,22 | PC353  | PC357  |
| PL3580  | PEHD DN 50  | 44,00  | 13,04  | PC3305 | PC3306 |
| PL3581  | PVC DN 110  | 101,60 | 43,98  | PC3305 | PC3307 |
| PL3582  | PVC DN 110  | 101,60 | 104,87 | PC3307 | PC3311 |
| PL3583  | PEHD DN 63  | 55,40  | 8,86   | PC3307 | PC3308 |
| PL3584  | PEHD DN 50  | 44,00  | 29,06  | PC3308 | PC3309 |
| PL3585  | PEHD DN 63  | 55,40  | 83,85  | PC3308 | PC3310 |
| PL3586  | PVC DN 225  | 207,80 | 603,95 | PC3304 | PC3312 |
| PL3587  | PVC DN 315  | 290,80 | 27,19  | PC3313 | PC3304 |
| PL3588  | PVC DN 110  | 101,60 | 180,01 | PC3314 | PC3313 |
| PL3589  | PVC DN 110  | 101,60 | 222,14 | PC3315 | PC3314 |
| PL359   | PVC DN 110  | 101,60 | 429,28 | PC357  | PC358  |
| PL3590  | PVC DN 110  | 101,60 | 271,59 | PC3302 | PC3315 |
| PL3591  | PVC DN 110  | 101,60 | 56,60  | PC3315 | PC3316 |
| PL3592  | PVC DN 110  | 101,60 | 335,00 | PC3314 | PC3317 |
| PL3593  | PEHD DN 110 | 96,80  | 168,66 | PC3317 | PC3318 |
| PL3594  | PVC DN 315  | 290,80 | 170,36 | PC3319 | PC3313 |
| PL3595  | PVC DN 110  | 101,60 | 196,07 | PC3319 | PC3320 |
| PL3596  | PVC DN 315  | 290,80 | 176,62 | PC3321 | PC3319 |
| PL3597  | PVC DN 315  | 290,80 | 408,63 | PC3322 | PC3321 |
| PL3598  | PVC DN 315  | 290,80 | 48,37  | PC3323 | PC3322 |
| PL3599  | PVC DN 110  | 101,60 | 107,82 | PC3323 | PC3324 |
| PL36    | PEHD DN 50  | 44,00  | 184,47 | PC35   | PC36   |
| PL360   | PVC DN 160  | 147,60 | 158,37 | PC357  | PC359  |
| PL3600  | PVC DN 315  | 290,80 | 155,76 | PC3325 | PC3323 |
| PL3600A | PVC DN 110  | 101,60 | 154,95 | PC3323 | PC3325 |
| PL3601  | PVC DN 110  | 101,60 | 39,37  | PC3325 | PC3326 |
| PL3602  | PVC DN 110  | 101,60 | 3,37   | PC3327 | PC3319 |
| PL3604  | PVC DN 110  | 101,60 | 82,87  | PC3328 | PC3327 |
| PL3605  | PVC DN 110  | 101,60 | 179,74 | PC3327 | PC3329 |
| PL3606  | PVC DN 110  | 101,60 | 49,44  | PC3331 | PC3323 |
| PL3607  | PVC DN 110  | 101,60 | 236,38 | PC3329 | PC3330 |
| PL3608  | PVC DN 110  | 101,60 | 458,36 | PC3330 | PC3331 |
| PL3609  | PVC DN 110  | 101,60 | 70,64  | PC3332 | PC3330 |
| PL361   | PVC DN 110  | 101,60 | 389,39 | PC359  | PC360  |
| PL3610  | PVC DN 110  | 101,60 | 247,56 | PC3333 | PC3332 |
| PL3611  | PVC DN 110  | 101,60 | 73,89  | PC3334 | PC3333 |
| PL3612  | PVC DN 110  | 101,60 | 160,94 | PC3333 | PC3335 |
| PL3613  | PVC DN 110  | 101,60 | 208,48 | PC3335 | PC3336 |
| PL3614  | PVC DN 110  | 101,60 | 135,20 | PC3335 | PC3337 |
| PL3615  | PVC DN 110  | 101,60 | 214,86 | PC3338 | PC3332 |
| PL3616  | PVC DN 110  | 101,60 | 23,42  | PC3337 | PC3338 |
| PL3617  | PVC DN 110  | 101,60 | 868,86 | PC3338 | PC3339 |
| PL3618  | PEHD DN 110 | 96,80  | 247,12 | PC3345 | PC3339 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>101/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |        |        |
|---------|---------------|--------|----------|--------|--------|
| PL3619  | PVC DN 110    | 101,60 | 117,24   | PC3339 | PC3341 |
| PL362   | PVC DN 160    | 147,60 | 126,88   | PC359  | PC360  |
| PL3620  | PEHD DN 110   | 96,80  | 263,74   | PC3341 | PC3342 |
| PL3621  | PVC DN 110    | 101,60 | 189,56   | PC3337 | PC3343 |
| PL3622  | PVC DN 110    | 101,60 | 381,75   | PC3343 | PC3344 |
| PL3623  | DUCTIL DN 300 | 300,00 | 917,97   | PC3345 | PC3325 |
| PL3624  | PVC DN 400    | 369,20 | 1.602,59 | PC3346 | PC3345 |
| PL3625  | PVC DN 280    | 258,60 | 650,71   | PC3346 | PC3347 |
| PL3626  | PVC DN 280    | 258,60 | 343,83   | PC3052 | PC3347 |
| PL3627  | PVC DN 280    | 258,60 | 70,73    | PC3346 | PC3349 |
| PL3628  | PVC DN 500    | 460,00 | 3,13     | PC3348 | PC3346 |
| PL3629  | PVC DN 500    | 460,00 | 65,61    | PC350C | PC3348 |
| PL363   | PVC DN 160    | 147,60 | 122,96   | PC360  | PC361  |
| PL3630  | PVC DN 500    | 460,00 | 425,65   | PC3348 | PC3351 |
| PL3631  | PVC DN 500    | 460,00 | 497,44   | PC3352 | PC3351 |
| PL3631A | PVC DN 110    | 101,60 | 497,88   | PC3351 | PC3352 |
| PL3632  | PVC DN 315    | 290,80 | 431,80   | PC3353 | PC3352 |
| PL3632A | PVC DN 110    | 101,60 | 431,89   | PC3353 | PC3352 |
| PL3633  | PVC DN 110    | 101,60 | 139,14   | PC3353 | PC3354 |
| PL3634  | PVC DN 315    | 290,80 | 120,08   | PC3008 | PC3353 |
| PL3634A | PVC DN 110    | 101,60 | 120,61   | PC3008 | PC3353 |
| PL3635  | PVC DN 500    | 460,00 | 12,92    | PC3355 | PC3352 |
| PL3636  | PVC DN 110    | 101,60 | 238,85   | PC3355 | PC3356 |
| PL3637  | PVC DN 110    | 101,60 | 11,12    | PC3356 | PC3357 |
| PL3638  | PVC DN 110    | 101,60 | 156,29   | PC3356 | PC3358 |
| PL3639  | PVC DN 160    | 147,60 | 26,58    | PC3358 | PC3359 |
| PL364   | PVC DN 160    | 147,60 | 406,07   | PC362  | PC346  |
| PL3640  | PVC DN 110    | 101,60 | 20,00    | PC3359 | PC3360 |
| PL3641  | PVC DN 160    | 147,60 | 167,57   | PC3359 | PC3361 |
| PL3642  | PVC DN 160    | 147,60 | 209,58   | PC3361 | PC3362 |
| PL3643  | PVC DN 160    | 147,60 | 198,03   | PC3361 | PC3363 |
| PL3644  | DUCTIL DN 400 | 402,80 | 3,77     | PC3364 | PC3365 |
| PL3646  | DUCTIL DN 400 | 402,80 | 1.249,02 | PC3365 | PC3366 |
| PL3647  | DUCTIL DN 400 | 402,80 | 430,48   | PC3366 | PC3367 |
| PL3647A | PVC DN 110    | 101,60 | 732,77   | PC3366 | PC3369 |
| PL3648  | PVC DN 110    | 101,60 | 437,54   | PC3368 | PC3367 |
| PL3649  | DUCTIL DN 400 | 402,80 | 302,24   | PC3367 | PC3369 |
| PL365   | PEHD DN 110   | 96,80  | 75,86    | PC363  | PC362  |
| PL3650  | PVC DN 160    | 147,60 | 176,40   | PC3369 | PC3370 |
| PL3651  | PVC DN 110    | 101,60 | 71,50    | PC3370 | PC3371 |
| PL3652  | PVC DN 110    | 101,60 | 381,50   | PC3372 | PC3373 |
| PL3653  | PVC DN 160    | 147,60 | 260,36   | PC3372 | PC3374 |
| PL3654  | PVC DN 110    | 101,60 | 60,74    | PC3375 | PC3374 |
| PL3655  | PVC DN 110    | 101,60 | 27,31    | PC3375 | PC3376 |
| PL3656  | PVC DN 110    | 101,60 | 44,20    | PC3377 | PC3375 |
| PL3657  | PVC DN 160    | 147,60 | 53,75    | PC3374 | PC3378 |
| PL3658  | PVC DN 160    | 147,60 | 606,07   | PC3378 | PC3379 |
| PL3659  | PVC DN 110    | 101,60 | 62,07    | PC3379 | PC3380 |
| PL366   | PEHD DN 110   | 96,80  | 9,44     | PC364  | PC363  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:<br><b>STUDIJA RAZVITKA<br/>         VODOOPSKRBNOG SUSTAVA<br/>         MEĐIMURSKE ŽUPANIJE</b> | Stranica:<br>102/512      |
|   |  | Nadnevak:<br>17.11. 2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL3660 | PVC DN 160    | 147,60 | 201,47   | PC3379 | PC3366 |
| PL3661 | PVC DN 110    | 101,60 | 285,45   | PC3378 | PC3381 |
| PL3662 | PVC DN 110    | 101,60 | 172,24   | PC3381 | PC3382 |
| PL3663 | PVC DN 110    | 101,60 | 204,16   | PC3381 | PC3383 |
| PL3664 | PVC DN 110    | 101,60 | 161,22   | PC3383 | PC3385 |
| PL3665 | PVC DN 110    | 101,60 | 109,51   | PC3383 | PC3384 |
| PL3666 | PVC DN 160    | 147,60 | 88,37    | PC3370 | PC3372 |
| PL3667 | PVC DN 110    | 101,60 | 108,07   | PC3386 | PC3387 |
| PL3668 | PVC DN 110    | 101,60 | 48,94    | PC3386 | PC3369 |
| PL3669 | PVC DN 110    | 101,60 | 170,84   | PC3387 | PC3389 |
| PL367  | PEHD DN 110   | 96,80  | 9,20     | PC364  | PC363  |
| PL3670 | PVC DN 110    | 101,60 | 101,31   | PC3387 | PC3388 |
| PL3671 | DUCTIL DN 400 | 402,80 | 2.215,13 | PC3369 | PC3390 |
| PL3672 | DUCTIL DN 400 | 402,80 | 323,26   | PC3390 | PC3391 |
| PL3673 | PVC DN 160    | 147,60 | 445,52   | PC3391 | PC3392 |
| PL3674 | PVC DN 110    | 101,60 | 239,08   | PC3392 | PC3393 |
| PL3675 | PVC DN 160    | 147,60 | 229,96   | PC3394 | PC3392 |
| PL3676 | PVC DN 160    | 147,60 | 184,37   | PC3395 | PC3394 |
| PL3677 | PVC DN 160    | 147,60 | 8,28     | PC3395 | PC3396 |
| PL3678 | PVC DN 160    | 147,60 | 87,61    | PC3396 | PC3397 |
| PL3679 | PVC DN 160    | 147,60 | 177,78   | PC3398 | PC3397 |
| PL368  | PEHD DN 110   | 96,80  | 16,30    | PC363  | PC365  |
| PL3680 | PVC DN 160    | 147,60 | 308,10   | PC3399 | PC3398 |
| PL3681 | PVC DN 160    | 147,60 | 312,43   | PC3390 | PC3402 |
| PL3682 | PVC DN 110    | 101,60 | 267,13   | PC3402 | PC3403 |
| PL3683 | PVC DN 160    | 147,60 | 136,57   | PC3402 | PC3400 |
| PL3684 | PVC DN 110    | 101,60 | 53,51    | PC3400 | PC3401 |
| PL3685 | PVC DN 160    | 147,60 | 76,61    | PC3400 | PC3396 |
| PL3686 | PVC DN 110    | 101,60 | 368,62   | PC3394 | PC3404 |
| PL3687 | PVC DN 110    | 101,60 | 93,55    | PC3394 | PC3405 |
| PL3688 | PVC DN 110    | 101,60 | 320,48   | PC3405 | PC3407 |
| PL3689 | PVC DN 110    | 101,60 | 130,56   | PC3407 | PC3408 |
| PL369  | PEHD DN 110   | 96,80  | 438,72   | PC363  | PC351  |
| PL3690 | PVC DN 110    | 101,60 | 94,23    | PC3409 | PC3407 |
| PL3691 | PEHD DN 63    | 55,40  | 54,90    | PC3409 | PC3410 |
| PL3692 | PVC DN 110    | 101,60 | 395,80   | PC3406 | PC3409 |
| PL3693 | PVC DN 110    | 101,60 | 131,97   | PC3405 | PC3406 |
| PL3694 | PVC DN 110    | 101,60 | 100,51   | PC3395 | PC3406 |
| PL3695 | PVC DN 160    | 147,60 | 161,25   | PC3397 | PC3411 |
| PL3696 | PVC DN 160    | 147,60 | 301,14   | PC3412 | PC3413 |
| PL3697 | PVC DN 110    | 101,60 | 76,02    | PC3413 | PC3414 |
| PL3698 | PVC DN 160    | 147,60 | 10,53    | PC3413 | PC3415 |
| PL3699 | PEHD DN 110   | 96,80  | 452,52   | PC3416 | PC3415 |
| PL37   | PEHD DN 75    | 66,00  | 313,91   | PC35   | PC37   |
| PL370  | PEHD DN 110   | 96,80  | 65,68    | PC364  | PC366  |
| PL3700 | PVC DN 160    | 147,60 | 124,45   | PC3415 | PC3417 |
| PL3701 | PVC DN 160    | 147,60 | 154,21   | PC3417 | PC3418 |
| PL3702 | PVC DN 110    | 101,60 | 169,39   | PC3418 | PC3419 |
| PL3703 | PVC DN 160    | 147,60 | 103,96   | PC3418 | PC3420 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>103/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL3704 | PVC DN 110  | 101,60 | 98,01    | PC3420 | PC3421 |
| PL3705 | PVC DN 110  | 101,60 | 36,22    | PC3421 | PC3422 |
| PL3706 | PVC DN 110  | 101,60 | 30,06    | PC3422 | PC3423 |
| PL3707 | PEHD DN 63  | 55,40  | 40,53    | PC3422 | PC3424 |
| PL3708 | PVC DN 110  | 101,60 | 144,63   | PC3425 | PC3421 |
| PL3709 | PVC DN 110  | 101,60 | 267,53   | PC3417 | PC3425 |
| PL371  | PEHD DN 110 | 96,80  | 4,29     | PC367  | PC366  |
| PL3710 | PVC DN 110  | 101,60 | 347,21   | PC3425 | PC3426 |
| PL3711 | PVC DN 160  | 147,60 | 1.032,31 | PC3427 | PC3420 |
| PL3712 | PVC DN 160  | 147,60 | 928,42   | PC3428 | PC3427 |
| PL3713 | PVC DN 110  | 101,60 | 209,84   | PC3343 | PC3428 |
| PL3714 | PVC DN 160  | 147,60 | 1.131,44 | PC3429 | PC3390 |
| PL3715 | PVC DN 110  | 101,60 | 284,96   | PC3430 | PC3429 |
| PL3716 | PVC DN 160  | 147,60 | 190,24   | PC3431 | PC3429 |
| PL3717 | PVC DN 110  | 101,60 | 358,31   | PC3431 | PC3432 |
| PL3718 | PVC DN 110  | 101,60 | 56,62    | PC3432 | PC3433 |
| PL3719 | PVC DN 110  | 101,60 | 175,83   | PC3434 | PC3433 |
| PL372  | PEHD DN 110 | 96,80  | 336,87   | PC366  | PC368  |
| PL3720 | PVC DN 110  | 101,60 | 83,61    | PC3435 | PC3434 |
| PL3721 | PVC DN 110  | 101,60 | 52,75    | PC3436 | PC3435 |
| PL3722 | PVC DN 110  | 101,60 | 44,03    | PC3437 | PC3435 |
| PL3723 | PVC DN 110  | 101,60 | 141,66   | PC3438 | PC3437 |
| PL3724 | PVC DN 110  | 101,60 | 310,66   | PC3433 | PC3438 |
| PL3725 | PVC DN 110  | 101,60 | 63,56    | PC3438 | PC3439 |
| PL3726 | PVC DN 110  | 101,60 | 397,24   | PC3440 | PC3437 |
| PL3727 | PVC DN 160  | 147,60 | 446,63   | PC3440 | PC3431 |
| PL3728 | PVC DN 160  | 147,60 | 286,07   | PC3441 | PC3440 |
| PL373  | PVC DN 160  | 147,60 | 28,53    | PC373  | PC364  |
| PL374  | PEHD DN 160 | 141,00 | 298,90   | PC374  | PC373  |
| PL375  | PEHD DN 110 | 96,80  | 20,80    | PC374  | PC375  |
| PL376  | PVC DN 110  | 101,60 | 557,08   | PC375  | PC352  |
| PL377  | PEHD DN 160 | 141,00 | 3.657,26 | PC376  | PC374  |
| PL378  | PVC DN 110  | 101,60 | 127,46   | PC376  | PC377  |
| PL379  | PEHD DN 160 | 141,00 | 162,00   | PC378  | PC376  |
| PL38   | PVC DN 90   | 81,40  | 136,74   | PC38   | PC22A  |
| PL380  | PVC DN 110  | 101,60 | 378,47   | PC378  | PC379  |
| PL381  | PEHD DN 160 | 141,00 | 205,99   | PC380  | PC378  |
| PL382  | PVC DN 110  | 101,60 | 92,62    | PC380  | PC381  |
| PL384  | PVC DN 110  | 101,60 | 140,63   | PC382  | PC380  |
| PL385  | PVC DN 110  | 101,60 | 132,64   | PC382A | PC383  |
| PL387  | PVC DN 160  | 147,60 | 336,48   | PC382B | PC391  |
| PL388  | PVC DN 160  | 147,60 | 228,11   | PC388  | PC382  |
| PL389  | PVC DN 110  | 101,60 | 391,93   | PC388A | PC389  |
| PL39   | PEHD DN 32  | 28,20  | 286,87   | PC38   | PC39   |
| PL390  | PVC DN 110  | 101,60 | 74,90    | PC389  | PC390  |
| PL391  | PVC DN 110  | 101,60 | 151,59   | PC391  | PC389  |
| PL392  | PVC DN 160  | 147,60 | 222,17   | PC392  | PC391  |
| PL393  | PVC DN 110  | 101,60 | 81,61    | PC392  | PC393  |
| PL394  | PVC DN 160  | 147,60 | 119,11   | PC394  | PC392  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>104/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL395  | PVC DN 110  | 101,60 | 127,28   | PC394  | PC395  |
| PL396  | PVC DN 160  | 147,60 | 188,86   | PC396  | PC394  |
| PL397  | PVC DN 110  | 101,60 | 161,77   | PC396  | PC397  |
| PL398  | PVC DN 110  | 101,60 | 78,12    | PC397  | PC398  |
| PL399  | PVC DN 110  | 101,60 | 18,18    | PC397  | PC399  |
| PL3A   | PEHD DN 75  | 66,00  | 256,85   | PC4    | PC2    |
| PL4    | PEHD DN 50  | 44,00  | 143,50   | PC5    | PC4    |
| PL40   | PVC DN 90   | 81,40  | 449,69   | PC40   | PC38   |
| PL400  | PVC DN 160  | 147,60 | 69,58    | PC400  | PC396  |
| PL4000 | PEHD DN 25  | 21,40  | 51,98    | PC4001 | PC4000 |
| PL4001 | PEHD DN 25  | 21,40  | 40,23    | PC4002 | PC4001 |
| PL4002 | PEHD DN 63  | 55,40  | 78,69    | PC4003 | PC4001 |
| PL4003 | PEHD DN 25  | 21,40  | 43,05    | PC4003 | PC4004 |
| PL4004 | PEHD DN 25  | 21,40  | 46,04    | PC4003 | PC4005 |
| PL4005 | PEHD DN 63  | 55,40  | 23,15    | PC4006 | PC4003 |
| PL4006 | PVC DN 110  | 101,60 | 73,45    | PC4006 | PC4007 |
| PL4007 | PEHD DN 25  | 21,40  | 149,48   | PC4007 | PC4008 |
| PL4008 | PEHD DN 25  | 21,40  | 98,00    | PC4008 | PC4006 |
| PL4009 | PVC DN 110  | 101,60 | 77,80    | PC4006 | PC4009 |
| PL401  | PVC DN 110  | 101,60 | 68,01    | PC400  | PC401  |
| PL4010 | PVC DN 160  | 147,60 | 224,83   | PC4009 | PC4010 |
| PL4011 | PVC DN 160  | 147,60 | 141,84   | PC4011 | PC4009 |
| PL4012 | PVC DN 110  | 101,60 | 165,74   | PC4012 | PC4009 |
| PL4013 | PVC DN 160  | 147,60 | 76,80    | PC4012 | PC4011 |
| PL4014 | PVC DN 160  | 147,60 | 184,43   | PC4013 | PC4012 |
| PL4015 | PEHD DN 90  | 79,20  | 293,62   | PC4013 | PC4014 |
| PL4016 | PVC DN 160  | 147,60 | 204,77   | PC4015 | PC4013 |
| PL4017 | PEHD DN 32  | 28,20  | 409,19   | PC4015 | PC4016 |
| PL4018 | PVC DN 160  | 147,60 | 744,42   | PC4017 | PC4015 |
| PL4019 | PVC DN 160  | 147,60 | 1.049,20 | PC4018 | PC4017 |
| PL402  | PVC DN 110  | 101,60 | 814,18   | PC401  | PC386  |
| PL4020 | PVC DN 160  | 147,60 | 1.126,90 | PC4019 | PC4018 |
| PL4021 | PVC DN 110  | 101,60 | 254,19   | PC4019 | PC4020 |
| PL4023 | PVC DN 110  | 101,60 | 101,46   | PC4019 | PC4021 |
| PL4024 | PVC DN 110  | 101,60 | 191,63   | PC4021 | PC4022 |
| PL4025 | PVC DN 110  | 101,60 | 306,93   | PC4022 | PC4023 |
| PL4026 | PVC DN 110  | 101,60 | 166,84   | PC4022 | PC4024 |
| PL4027 | PVC DN 110  | 101,60 | 90,06    | PC4024 | PC4026 |
| PL4028 | PVC DN 110  | 101,60 | 103,97   | PC4024 | PC4025 |
| PL4029 | PVC DN 110  | 101,60 | 103,00   | PC4025 | PC4026 |
| PL403  | PVC DN 110  | 101,60 | 168,40   | PC386  | PC387  |
| PL4030 | PVC DN 110  | 101,60 | 124,77   | PC4026 | PC4027 |
| PL4031 | PEHD DN 110 | 96,80  | 65,04    | PC4028 | PC4027 |
| PL4032 | PVC DN 110  | 101,60 | 157,02   | PC4021 | PC4035 |
| PL4033 | PVC DN 160  | 147,60 | 181,43   | PC4029 | PC4019 |
| PL4034 | PEHD DN 63  | 55,40  | 57,62    | PC4029 | PC4030 |
| PL4035 | PVC DN 110  | 101,60 | 138,29   | PC4031 | PC4029 |
| PL4036 | PVC DN 110  | 101,60 | 50,65    | PC4032 | PC4031 |
| PL4037 | PVC DN 110  | 101,60 | 208,43   | PC4032 | PC4033 |

|  |                   |          |   |   |   |   |   |
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| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>105/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |        |         |         |
|---------|-------------|--------|--------|---------|---------|
| PL4038  | PVC DN 110  | 101,60 | 137,60 | PC4031  | PC4034  |
| PL4039  | PVC DN 110  | 101,60 | 255,11 | PC4034  | PC4036  |
| PL404   | PVC DN 110  | 101,60 | 198,30 | PC386   | PC383   |
| PL4040  | PVC DN 110  | 101,60 | 72,47  | PC4037  | PC4036  |
| PL4041  | PEHD DN 63  | 55,40  | 66,60  | PC4037  | PC4038  |
| PL4042  | PVC DN 110  | 101,60 | 93,11  | PC4035  | PC4037  |
| PL4043  | PVC DN 110  | 101,60 | 123,87 | PC4035  | PC4034  |
| PL4044  | PVC DN 110  | 101,60 | 431,68 | PC4040  | PC4032  |
| PL4045  | PVC DN 160  | 147,60 | 314,42 | PC4043A | PC4031  |
| PL4046  | PVC DN 110  | 101,60 | 115,57 | PC4041  | PC4040  |
| PL4047  | PVC DN 110  | 101,60 | 148,89 | PC4042  | PC4041  |
| PL4048  | PVC DN 225  | 207,80 | 77,72  | PC4043  | PC4042  |
| PL4048A | PVC DN 110  | 101,60 | 77,69  | PC4042  | PC4043A |
| PL4049  | PEHD DN 110 | 101,60 | 36,15  | PC4044  | PC4036  |
| PL405   | PVC DN 110  | 101,60 | 62,77  | PC383   | PC384   |
| PL4050  | PVC DN 110  | 101,60 | 91,48  | PC4048  | PC4044  |
| PL4051  | PVC DN 63   | 57,00  | 27,97  | PC4048  | PC4049  |
| PL4052  | PVC DN 110  | 101,60 | 43,59  | PC4047  | PC4048  |
| PL4053  | PVC DN 110  | 101,60 | 90,99  | PC4046  | PC4047  |
| PL4054  | PVC DN 110  | 101,60 | 125,70 | PC4045  | PC4046  |
| PL4055  | PVC DN 110  | 101,60 | 80,52  | PC4045  | PC4044  |
| PL4056  | PVC DN 110  | 101,60 | 220,40 | PC4050  | PC4045  |
| PL4057  | PVC DN 110  | 101,60 | 304,28 | PC4054  | PC4050  |
| PL4058  | PVC DN 110  | 101,60 | 236,87 | PC4053  | PC4046  |
| PL4059  | PVC DN 110  | 101,60 | 139,54 | PC4050  | PC4051  |
| PL406   | PEHD DN 63  | 55,40  | 42,37  | PC384   | PC385   |
| PL4060  | PVC DN 110  | 101,60 | 322,17 | PC4051  | PC4055  |
| PL4061  | PVC DN 225  | 207,80 | 85,69  | PC4054  | PC4055  |
| PL4062  | PVC DN 110  | 101,60 | 86,18  | PC4054  | PC4055  |
| PL4063  | PVC DN 225  | 207,80 | 94,22  | PC4055  | PC4056  |
| PL4063A | PVC DN 110  | 101,60 | 95,20  | PC4055  | PC4056  |
| PL4064  | PVC DN 225  | 207,80 | 86,21  | PC4056  | PC4057  |
| PL4064A | PVC DN 110  | 101,60 | 86,78  | PC4056  | PC4057  |
| PL4065  | PVC DN 225  | 207,80 | 156,93 | PC4057  | PC4060  |
| PL4065A | PVC DN 110  | 101,60 | 158,04 | PC4057  | PC4060  |
| PL4066  | PVC DN 225  | 207,80 | 35,55  | PC4060  | PC4061  |
| PL4066A | PVC DN 110  | 101,60 | 36,19  | PC4060  | PC4061  |
| PL4067  | PVC DN 110  | 101,60 | 320,65 | PC4058  | PC4057  |
| PL4068  | PVC DN 110  | 101,60 | 76,47  | PC4052  | PC4058  |
| PL4069  | PVC DN 110  | 101,60 | 185,97 | PC4051  | PC4052  |
| PL407   | PVC DN 110  | 101,60 | 99,85  | PC401   | PC402   |
| PL4070  | PVC DN 110  | 101,60 | 151,47 | PC4058  | PC4059  |
| PL4071  | PVC DN 110  | 101,60 | 354,76 | PC4059  | PC4060  |
| PL4072  | PVC DN 160  | 147,60 | 155,66 | PC4062  | PC4061  |
| PL4073  | PVC DN 110  | 101,60 | 231,40 | PC4063  | PC4062  |
| PL4074  | PVC DN 110  | 101,60 | 65,97  | PC4064  | PC4063  |
| PL4075  | PEHD DN 160 | 141,00 | 467,09 | PC4062  | PC4065  |
| PL4076  | PVC DN 110  | 101,60 | 128,48 | PC4066A | PC4053  |
| PL4077  | PVC DN 225  | 207,80 | 133,12 | PC4054  | PC4066  |

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|--|-------------------|----------|---|---|---|---|---|
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|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
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|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |            |        |          |         |         |
|---------|------------|--------|----------|---------|---------|
| PL4077A | PVC DN 110 | 101,60 | 132,67   | PC4066A | PC4054  |
| PL4078  | PVC DN 110 | 101,60 | 1,13     | PC4066  | PC4066A |
| PL4079  | PVC DN 225 | 207,80 | 13,23    | PC4066  | PC4067  |
| PL4079A | PVC DN 110 | 101,60 | 14,03    | PC4067  | PC4066A |
| PL408   | PVC DN 110 | 101,60 | 34,72    | PC402   | PC403   |
| PL4080  | PVC DN 110 | 101,60 | 12,82    | PC4068  | PC4067  |
| PL4081  | PVC DN 110 | 101,60 | 104,92   | PC4068  | PC4069  |
| PL4082  | PVC DN 225 | 207,80 | 360,10   | PC4067  | PC4070  |
| PL4082A | PVC DN 110 | 101,60 | 359,77   | PC4070  | PC4067  |
| PL4083  | PVC DN 110 | 101,60 | 144,61   | PC4070  | PC4047  |
| PL4084  | PVC DN 225 | 207,80 | 265,71   | PC4070  | PC4077  |
| PL4084A | PVC DN 110 | 101,60 | 266,19   | PC4077  | PC4070  |
| PL4085  | PVC DN 110 | 101,60 | 275,97   | PC4077  | PC4078  |
| PL4085A | PVC DN 110 | 101,60 | 204,89   | PC4071  | PC4070  |
| PL4086  | PVC DN 110 | 101,60 | 127,84   | PC4079  | PC4078  |
| PL4086A | PVC DN 110 | 101,60 | 97,31    | PC4071  | PC4072  |
| PL4087  | PVC DN 110 | 101,60 | 53,59    | PC4078  | PC4080  |
| PL4087A | PVC DN 110 | 101,60 | 96,27    | PC4072  | PC4073  |
| PL4088  | PVC DN 110 | 101,60 | 112,62   | PC4081  | PC4080  |
| PL4088A | PVC DN 110 | 101,60 | 149,53   | PC4073  | PC4074  |
| PL4089  | PVC DN 110 | 101,60 | 157,62   | PC4081  | PC4082  |
| PL4089A | PVC DN 110 | 101,60 | 222,49   | PC4074  | PC4076  |
| PL409   | PVC DN 110 | 101,60 | 57,06    | PC402   | PC404   |
| PL4090  | PVC DN 110 | 101,60 | 366,70   | PC4080  | PC4071  |
| PL4090A | PVC DN 110 | 101,60 | 154,21   | PC4075  | PC4074  |
| PL4091  | PVC DN 110 | 101,60 | 400,37   | PC4081  | PC4072  |
| PL4091A | PVC DN 110 | 101,60 | 118,96   | PC4073  | PC4075  |
| PL4092A | PVC DN 110 | 101,60 | 378,18   | PC4075  | PC4068  |
| PL4093  | PVC DN 110 | 101,60 | 1,04     | PC4083A | PC4083  |
| PL4094A | PVC DN 110 | 101,60 | 36,73    | PC4083A | PC4077  |
| PL4094B | PVC DN 225 | 207,80 | 35,82    | PC4077  | PC4083  |
| PL4095  | PVC DN 225 | 207,80 | 121,63   | PC4083  | PC4043  |
| PL4095A | PVC DN 110 | 101,60 | 121,74   | PC4043  | PC4083A |
| PL4096  | PVC DN 110 | 101,60 | 69,12    | PC4084  | PC4083A |
| PL4097  | PVC DN 110 | 101,60 | 76,42    | PC4084  | PC4086  |
| PL4098  | PVC DN 110 | 101,60 | 110,75   | PC4084  | PC4085  |
| PL4099  | PVC DN 110 | 101,60 | 52,68    | PC4089  | PC4041  |
| PL41    | PVC DN 90  | 81,40  | 1.461,25 | PC40    | PC41    |
| PL410   | PVC DN 110 | 101,60 | 133,09   | PC404   | PC405   |
| PL4100  | PVC DN 110 | 55,40  | 52,99    | PC4089  | PC4090  |
| PL4101  | PVC DN 110 | 101,60 | 90,94    | PC4091  | PC4092  |
| PL4102  | PVC DN 110 | 101,60 | 168,62   | PC4093  | PC4091  |
| PL4103  | PVC DN 280 | 258,60 | 91,61    | PC4093  | PC4094A |
| PL4103A | PVC DN 110 | 101,60 | 91,16    | PC4093  | PC4094  |
| PL4104  | PVC DN 280 | 258,60 | 103,11   | PC4094A | PC4042  |
| PL4104A | PVC DN 110 | 101,60 | 103,14   | PC4094  | PC4042  |
| PL4105  | PEHD DN 63 | 55,40  | 15,94    | PC4094A | PC4095  |
| PL4105A | PEHD DN 63 | 55,40  | 0,51     | PC4094  | PC4094A |
| PL4106  | PVC DN 280 | 258,60 | 1.053,40 | PC4096  | PC4093  |

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|--|-------------------|----------|---|---|---|---|---|
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|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
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|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |         |        |
|---------|---------------|--------|----------|---------|--------|
| PL4106A | PVC DN 110    | 101,60 | 1.053,48 | PC4096  | PC4093 |
| PL4107  | PVC DN 280    | 258,60 | 122,09   | PC4097  | PC4096 |
| PL4107A | PVC DN 110    | 101,60 | 121,79   | PC4097A | PC4096 |
| PL4108  | PVC DN 280    | 258,60 | 1.146,48 | PC4098  | PC4097 |
| PL4109  | PVC DN 110    | 101,60 | 178,49   | PC4100  | PC4040 |
| PL411   | PVC DN 110    | 101,60 | 30,95    | PC406   | PC404  |
| PL4110  | PVC DN 110    | 101,60 | 476,04   | PC4102  | PC4100 |
| PL4111  | PVC DN 110    | 101,60 | 255,34   | PC4100  | PC4101 |
| PL4112  | PVC DN 110    | 101,60 | 186,04   | PC4100  | PC4099 |
| PL4113  | DUCTIL DN 400 | 402,80 | 1.226,12 | PC4104  | PC3391 |
| PL4114  | DUCTIL DN 400 | 402,80 | 1.252,03 | PC4104  | PC4105 |
| PL4115  | DUCTIL DN 400 | 402,80 | 629,61   | PC4105  | PC4157 |
| PL4116  | PVC DN 160    | 147,60 | 661,96   | PC4104  | PC4107 |
| PL4117  | PVC DN 110    | 101,60 | 42,00    | PC4107  | PC4108 |
| PL4118  | PVC DN 160    | 147,60 | 147,99   | PC4107  | PC4109 |
| PL4119  | PVC DN 110    | 101,60 | 174,17   | PC4109  | PC4110 |
| PL412   | PVC DN 160    | 147,60 | 203,07   | PC406   | PC407  |
| PL4120  | PVC DN 110    | 101,60 | 76,22    | PC4110  | PC4111 |
| PL4121  | PVC DN 160    | 147,60 | 300,60   | PC4112  | PC4109 |
| PL4122  | PVC DN 110    | 101,60 | 457,08   | PC4110  | PC4115 |
| PL4123  | PVC DN 160    | 147,60 | 61,88    | PC4112  | PC4113 |
| PL4124  | PVC DN 160    | 147,60 | 80,94    | PC4114  | PC4112 |
| PL4125  | PVC DN 110    | 101,60 | 59,34    | PC4115  | PC4114 |
| PL4126  | PVC DN 110    | 101,60 | 441,31   | PC4115  | PC4116 |
| PL4127  | PVC DN 160    | 147,60 | 1.004,85 | PC4114  | PC4117 |
| PL4128  | PVC DN 110    | 101,60 | 141,89   | PC4117  | PC4118 |
| PL4129  | PVC DN 110    | 101,60 | 97,83    | PC4118  | PC4119 |
| PL413   | PVC DN 110    | 101,60 | 107,41   | PC407   | PC408  |
| PL4130  | PVC DN 110    | 101,60 | 137,25   | PC4118  | PC4121 |
| PL4131  | PVC DN 110    | 101,60 | 57,50    | PC4121  | PC4120 |
| PL4132  | PVC DN 110    | 101,60 | 178,97   | PC4121  | PC4122 |
| PL4133  | PVC DN 160    | 147,60 | 113,54   | PC4122  | PC4105 |
| PL4134  | PVC DN 110    | 101,60 | 413,42   | PC4122  | PC4153 |
| PL4135  | PVC DN 160    | 147,60 | 79,74    | PC4122  | PC4123 |
| PL4136  | PVC DN 160    | 147,60 | 110,41   | PC4123  | PC4124 |
| PL4137  | PVC DN 160    | 147,60 | 69,31    | PC4124  | PC4117 |
| PL4138  | PVC DN 160    | 147,60 | 119,67   | PC4124  | PC4125 |
| PL4139  | PVC DN 110    | 101,60 | 166,98   | PC4128  | PC4123 |
| PL414   | PEHD DN 63    | 55,40  | 84,41    | PC408   | PC409  |
| PL4140  | PVC DN 110    | 101,60 | 80,21    | PC4125  | PC4126 |
| PL4141  | PVC DN 110    | 101,60 | 54,06    | PC4126  | PC4128 |
| PL4142  | PVC DN 110    | 101,60 | 48,39    | PC4126  | PC4127 |
| PL4143  | PVC DN 110    | 101,60 | 14,73    | PC4129  | PC4128 |
| PL4144  | PVC DN 63     | 57,00  | 25,56    | PC4129  | PC4130 |
| PL4145  | PVC DN 110    | 101,60 | 96,57    | PC4131  | PC4129 |
| PL4146  | PVC DN 110    | 101,60 | 99,89    | PC4131  | PC4132 |
| PL4147  | PEHD DN 63    | 55,40  | 16,83    | PC4132  | PC4133 |
| PL4148  | PVC DN 110    | 101,60 | 119,14   | PC4132  | PC4134 |
| PL4149  | PVC DN 160    | 147,60 | 45,62    | PC4134  | PC4135 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>108/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|--------|---------------|--------|----------|--------|--------|
| PL415  | PVC DN 110    | 101,60 | 99,56    | PC408  | PC410  |
| PL4150 | PVC DN 110    | 101,60 | 334,14   | PC4135 | PC4136 |
| PL4151 | PVC DN 110    | 101,60 | 87,15    | PC4134 | PC4137 |
| PL4152 | PVC DN 110    | 101,60 | 203,90   | PC4138 | PC4131 |
| PL4153 | PVC DN 160    | 147,60 | 145,67   | PC4153 | PC4138 |
| PL4154 | PVC DN 160    | 147,60 | 186,46   | PC4139 | PC4138 |
| PL4155 | PEHD DN 63    | 55,40  | 36,96    | PC4139 | PC4140 |
| PL4156 | PVC DN 160    | 147,60 | 57,06    | PC4141 | PC4139 |
| PL4157 | PVC DN 160    | 147,60 | 68,71    | PC4142 | PC4141 |
| PL4158 | PEHD DN 63    | 55,40  | 54,04    | PC4142 | PC4143 |
| PL4159 | PVC DN 160    | 147,60 | 116,50   | PC4144 | PC4142 |
| PL416  | PVC DN 160    | 147,60 | 85,99    | PC407  | PC411  |
| PL4160 | PEHD DN 63    | 55,40  | 43,32    | PC4144 | PC4145 |
| PL4161 | PVC DN 160    | 147,60 | 91,23    | PC4134 | PC4144 |
| PL4162 | PVC DN 110    | 101,60 | 44,77    | PC4141 | PC4146 |
| PL4163 | PVC DN 110    | 101,60 | 92,32    | PC4146 | PC4147 |
| PL4164 | PVC DN 110    | 101,60 | 96,24    | PC4146 | PC4148 |
| PL4165 | PVC DN 110    | 101,60 | 88,41    | PC4148 | PC4149 |
| PL4166 | PVC DN 110    | 101,60 | 167,51   | PC4148 | PC4150 |
| PL4167 | PVC DN 110    | 101,60 | 51,45    | PC4150 | PC4151 |
| PL4168 | PVC DN 110    | 101,60 | 153,03   | PC4150 | PC4152 |
| PL4169 | PVC DN 160    | 147,60 | 221,59   | PC4153 | PC4154 |
| PL417  | DUCTIL DN 400 | 402,80 | 1.501,72 | PC4157 | PC4158 |
| PL4170 | PVC DN 110    | 101,60 | 170,14   | PC4154 | PC4155 |
| PL4171 | PVC DN 160    | 147,60 | 124,80   | PC4156 | PC4155 |
| PL4172 | PVC DN 160    | 147,60 | 11,73    | PC4154 | PC4156 |
| PL4173 | PVC DN 160    | 147,60 | 99,76    | PC4156 | PC4157 |
| PL4175 | DUCTIL DN 400 | 402,80 | 855,58   | PC4158 | PC4159 |
| PL4176 | PVC DN 225    | 207,80 | 92,81    | PC4160 | PC4161 |
| PL4177 | PVC DN 225    | 207,80 | 337,98   | PC4159 | PC4160 |
| PL4178 | DUCTIL DN 400 | 402,80 | 521,94   | PC4159 | PC4162 |
| PL4179 | PEHD DN 225   | 198,20 | 337,27   | PC4162 | PC4163 |
| PL417B | PVC DN 160    | 147,60 | 113,89   | PC412  | PC406  |
| PL418  | PEHD DN 160   | 141,00 | 52,11    | PC412  | PC413  |
| PL4180 | PEHD DN 160   | 141,00 | 556,36   | PC4164 | PC4163 |
| PL4181 | PEHD DN 225   | 207,80 | 267,28   | PC4165 | PC4158 |
| PL4182 | PVC DN 110    | 101,60 | 243,48   | PC4165 | PC4175 |
| PL4183 | PVC DN 160    | 147,60 | 117,26   | PC4166 | PC4165 |
| PL4184 | PVC DN 110    | 101,60 | 162,62   | PC4166 | PC4167 |
| PL4185 | PVC DN 160    | 147,60 | 114,32   | PC4168 | PC4166 |
| PL4186 | PVC DN 110    | 101,60 | 176,73   | PC4168 | PC4169 |
| PL4187 | PVC DN 110    | 101,60 | 140,36   | PC4169 | PC4170 |
| PL4188 | PVC DN 110    | 101,60 | 62,94    | PC4169 | PC4171 |
| PL4189 | PVC DN 110    | 101,60 | 135,43   | PC4171 | PC4172 |
| PL419  | PEHD DN 160   | 141,00 | 22,90    | PC413  | PC414  |
| PL4190 | PVC DN 110    | 101,60 | 211,65   | PC4173 | PC4172 |
| PL4191 | PVC DN 110    | 101,60 | 12,84    | PC4173 | PC4174 |
| PL4192 | PVC DN 160    | 147,60 | 416,74   | PC4174 | PC4168 |
| PL4193 | PVC DN 110    | 101,60 | 34,94    | PC4172 | PC4176 |

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|--|-------------------|----------|---|---|---|---|---|
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|  |                   | Nadnevak |   |   |   |   |   |

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|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL4194 | PVC DN 110  | 101,60 | 42,67  | PC4176 | PC4177 |
| PL4195 | PVC DN 110  | 101,60 | 114,97 | PC4176 | PC4178 |
| PL4196 | PEHD DN 63  | 55,40  | 74,26  | PC4178 | PC4179 |
| PL4197 | PVC DN 110  | 101,60 | 120,98 | PC4178 | PC4181 |
| PL4198 | PVC DN 110  | 101,60 | 39,96  | PC4180 | PC4173 |
| PL4199 | PVC DN 110  | 101,60 | 173,67 | PC4181 | PC4180 |
| PL42   | PVC DN 90   | 81,40  | 469,71 | PC42   | PC40   |
| PL420  | PEHD DN 110 | 96,80  | 52,90  | PC415  | PC414  |
| PL4200 | PVC DN 110  | 101,60 | 61,94  | PC4181 | PC4182 |
| PL4201 | PVC DN 110  | 101,60 | 232,22 | PC4200 | PC4182 |
| PL4202 | PVC DN 110  | 101,60 | 161,64 | PC4180 | PC4200 |
| PL4203 | PVC DN 110  | 101,60 | 147,72 | PC4182 | PC4184 |
| PL4204 | PVC DN 110  | 101,60 | 88,45  | PC4184 | PC4185 |
| PL4205 | PVC DN 110  | 101,60 | 317,40 | PC4185 | PC4171 |
| PL4206 | PVC DN 110  | 101,60 | 121,09 | PC4184 | PC4191 |
| PL4207 | PVC DN 110  | 101,60 | 139,18 | PC4187 | PC4191 |
| PL4208 | PVC DN 110  | 101,60 | 41,27  | PC4187 | PC4188 |
| PL4209 | PVC DN 110  | 101,60 | 323,74 | PC4189 | PC4187 |
| PL421  | PVC DN 110  | 101,60 | 56,49  | PC415  | PC416  |
| PL4210 | PVC DN 110  | 101,60 | 246,52 | PC4190 | PC4189 |
| PL4211 | PVC DN 110  | 101,60 | 69,84  | PC4191 | PC4190 |
| PL4212 | PVC DN 110  | 101,60 | 154,28 | PC4190 | PC4192 |
| PL4213 | PVC DN 110  | 101,60 | 64,49  | PC4192 | PC4193 |
| PL4214 | PVC DN 110  | 101,60 | 48,83  | PC4194 | PC4193 |
| PL4215 | PVC DN 110  | 101,60 | 326,32 | PC4193 | PC4198 |
| PL4216 | PVC DN 110  | 101,60 | 62,01  | PC4198 | PC4197 |
| PL4217 | PVC DN 110  | 101,60 | 218,93 | PC4197 | PC4195 |
| PL4218 | PVC DN 110  | 101,60 | 89,01  | PC4195 | PC4196 |
| PL4219 | PVC DN 110  | 101,60 | 99,12  | PC4195 | PC4192 |
| PL422  | PEHD DN 160 | 141,00 | 72,61  | PC414  | PC400  |
| PL4220 | PVC DN 110  | 101,60 | 115,34 | PC4199 | PC4198 |
| PL4221 | PVC DN 110  | 101,60 | 85,33  | PC4197 | PC4199 |
| PL4222 | PVC DN 110  | 101,60 | 47,82  | PC4199 | PC4200 |
| PL4223 | PVC DN 110  | 101,60 | 81,65  | PC4201 | PC4200 |
| PL4224 | PVC DN 110  | 101,60 | 134,01 | PC4201 | PC4202 |
| PL4225 | PVC DN 110  | 101,60 | 96,57  | PC4203 | PC4201 |
| PL4226 | PVC DN 110  | 101,60 | 61,72  | PC4203 | PC4222 |
| PL4227 | PEHD DN 110 | 101,60 | 206,91 | PC4204 | PC4203 |
| PL4228 | PVC DN 110  | 101,60 | 21,25  | PC4204 | PC4205 |
| PL4229 | PVC DN 110  | 101,60 | 48,15  | PC4205 | PC4206 |
| PL423  | PVC DN 110  | 101,60 | 93,73  | PC417  | PC412  |
| PL4230 | PVC DN 110  | 101,60 | 418,06 | PC4205 | PC4210 |
| PL4231 | PVC DN 110  | 101,60 | 108,72 | PC4207 | PC4204 |
| PL4232 | PVC DN 160  | 147,60 | 43,10  | PC4208 | PC4207 |
| PL4233 | PVC DN 160  | 147,60 | 134,43 | PC4207 | PC4209 |
| PL4234 | PVC DN 110  | 101,60 | 145,94 | PC4209 | PC4215 |
| PL4235 | PVC DN 110  | 101,60 | 33,19  | PC4215 | PC4216 |
| PL4236 | PVC DN 110  | 101,60 | 77,05  | PC4216 | PC4217 |
| PL4237 | PVC DN 110  | 101,60 | 78,77  | PC4216 | PC4218 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>110/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL4238 | PVC DN 110    | 101,60 | 101,26   | PC4218 | PC4221 |
| PL4239 | PVC DN 110    | 101,60 | 169,74   | PC4215 | PC4220 |
| PL424  | PVC DN 110    | 101,60 | 336,98   | PC418  | PC417  |
| PL4240 | PVC DN 160    | 147,60 | 184,16   | PC4211 | PC4209 |
| PL4241 | PVC DN 160    | 147,60 | 644,57   | PC4211 | PC4162 |
| PL4242 | PVC DN 110    | 101,60 | 258,63   | PC4212 | PC4211 |
| PL4243 | PVC DN 110    | 101,60 | 229,27   | PC4208 | PC4212 |
| PL4244 | PVC DN 110    | 101,60 | 200,24   | PC4213 | PC4212 |
| PL4245 | PVC DN 110    | 101,60 | 237,45   | PC4213 | PC4214 |
| PL4246 | PVC DN 110    | 101,60 | 116,86   | PC4224 | PC4213 |
| PL4247 | PVC DN 160    | 147,60 | 279,46   | PC4214 | PC4208 |
| PL4248 | PVC DN 110    | 101,60 | 283,11   | PC4223 | PC4224 |
| PL4249 | PVC DN 160    | 147,60 | 115,67   | PC4233 | PC4223 |
| PL424A | PVC DN 110    | 101,60 | 325,72   | PC418  | PC417  |
| PL425  | PVC DN 110    | 101,60 | 252,73   | PC419  | PC418  |
| PL4250 | PVC DN 110    | 101,60 | 156,20   | PC4225 | PC4224 |
| PL4251 | PVC DN 110    | 101,60 | 171,02   | PC4225 | PC4226 |
| PL4252 | PVC DN 110    | 101,60 | 24,12    | PC4226 | PC4227 |
| PL4253 | PEHD DN 63    | 55,40  | 66,38    | PC4226 | PC4228 |
| PL4254 | PVC DN 110    | 101,60 | 66,12    | PC4229 | PC4225 |
| PL4255 | PVC DN 110    | 101,60 | 72,25    | PC4229 | PC4230 |
| PL4256 | PVC DN 110    | 101,60 | 73,54    | PC4231 | PC4229 |
| PL4257 | PVC DN 110    | 101,60 | 157,28   | PC4233 | PC4231 |
| PL4258 | PVC DN 110    | 101,60 | 51,87    | PC4231 | PC4232 |
| PL4259 | PVC DN 160    | 147,60 | 55,06    | PC4174 | PC4233 |
| PL426  | PVC DN 110    | 101,60 | 74,06    | PC419  | PC420  |
| PL4260 | PVC DN 110    | 101,60 | 130,55   | PC4185 | PC4187 |
| PL4261 | DUCTIL DN 300 | 301,60 | 2.074,75 | PC4162 | PC4234 |
| PL4262 | DUCTIL DN 300 | 301,60 | 160,61   | PC4234 | PC4235 |
| PL4263 | PEHD DN 110   | 96,80  | 160,00   | PC4236 | PC4235 |
| PL4264 | DUCTIL DN 300 | 301,60 | 356,50   | PC4235 | PC4237 |
| PL4265 | PVC DN 160    | 147,60 | 561,38   | PC4237 | PC4238 |
| PL4266 | PVC DN 110    | 101,60 | 72,58    | PC4238 | PC4239 |
| PL4267 | PVC DN 160    | 147,60 | 136,75   | PC4238 | PC4279 |
| PL4268 | PVC DN 160    | 147,60 | 87,52    | PC4245 | PC4234 |
| PL4269 | PVC DN 110    | 101,60 | 130,26   | PC4245 | PC4246 |
| PL426A | PVC DN 160    | 147,60 | 393,80   | PC422  | PC412  |
| PL427  | PVC DN 110    | 101,60 | 84,76    | PC421  | PC419  |
| PL4270 | PVC DN 160    | 147,60 | 190,71   | PC4240 | PC4245 |
| PL4271 | PVC DN 160    | 147,60 | 206,68   | PC4242 | PC4240 |
| PL4272 | PVC DN 110    | 101,60 | 141,54   | PC4241 | PC4242 |
| PL4273 | PVC DN 110    | 101,60 | 176,01   | PC4241 | PC4240 |
| PL4274 | PVC DN 110    | 101,60 | 106,87   | PC4244 | PC4241 |
| PL4275 | PVC DN 110    | 101,60 | 104,82   | PC4244 | PC4243 |
| PL4276 | PVC DN 160    | 147,60 | 35,01    | PC4243 | PC4242 |
| PL4277 | PVC DN 160    | 147,60 | 158,17   | PC4280 | PC4243 |
| PL4278 | PVC DN 110    | 101,60 | 128,39   | PC4247 | PC4244 |
| PL4279 | PVC DN 110    | 101,60 | 99,02    | PC4249 | PC4247 |
| PL428  | PVC DN 160    | 147,60 | 52,66    | PC421  | PC422  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |            |        |        |        |        |
|--------|------------|--------|--------|--------|--------|
| PL4280 | PVC DN 110 | 101,60 | 102,77 | PC4247 | PC4248 |
| PL4281 | PVC DN 110 | 101,60 | 133,09 | PC4249 | PC4250 |
| PL4282 | PVC DN 110 | 101,60 | 40,52  | PC4251 | PC4249 |
| PL4283 | PVC DN 110 | 101,60 | 216,50 | PC4251 | PC4261 |
| PL4284 | PVC DN 110 | 101,60 | 305,01 | PC4252 | PC4251 |
| PL4285 | PVC DN 110 | 101,60 | 55,44  | PC4252 | PC4253 |
| PL4286 | PVC DN 110 | 101,60 | 111,00 | PC4254 | PC4252 |
| PL4287 | PVC DN 110 | 101,60 | 8,36   | PC4255 | PC4254 |
| PL4288 | PVC DN 110 | 101,60 | 329,48 | PC4260 | PC4255 |
| PL4289 | PVC DN 110 | 101,60 | 90,56  | PC4254 | PC4256 |
| PL429  | PEHD DN 63 | 55,40  | 196,61 | PC422  | PC424  |
| PL4290 | PVC DN 110 | 101,60 | 224,32 | PC4255 | PC4257 |
| PL4291 | PVC DN 110 | 101,60 | 9,86   | PC4258 | PC4257 |
| PL4292 | PVC DN 110 | 101,60 | 140,38 | PC4260 | PC4258 |
| PL4293 | PVC DN 110 | 101,60 | 149,11 | PC4257 | PC4259 |
| PL4294 | PVC DN 110 | 101,60 | 47,22  | PC4263 | PC4260 |
| PL4295 | PVC DN 110 | 101,60 | 100,60 | PC4263 | PC4261 |
| PL4296 | PVC DN 110 | 101,60 | 43,24  | PC4261 | PC4262 |
| PL4297 | PVC DN 110 | 101,60 | 131,61 | PC4258 | PC4264 |
| PL4298 | PVC DN 110 | 101,60 | 32,99  | PC4264 | PC4266 |
| PL4299 | PVC DN 110 | 101,60 | 61,00  | PC4264 | PC4265 |
| PL43   | PEHD DN 40 | 35,20  | 159,44 | PC42   | PC43   |
| PL430  | PVC DN 160 | 147,60 | 330,47 | PC442  | PC421  |
| PL4300 | PVC DN 110 | 101,60 | 121,09 | PC4266 | PC4267 |
| PL4301 | PVC DN 110 | 101,60 | 111,25 | PC4266 | PC4268 |
| PL4302 | PVC DN 110 | 101,60 | 382,28 | PC4268 | PC4263 |
| PL4303 | PVC DN 110 | 101,60 | 135,97 | PC4269 | PC4268 |
| PL4304 | PVC DN 110 | 101,60 | 150,51 | PC4270 | PC4269 |
| PL4305 | PVC DN 110 | 101,60 | 246,56 | PC4275 | PC4270 |
| PL4306 | PVC DN 110 | 101,60 | 150,02 | PC4271 | PC4270 |
| PL4307 | PVC DN 110 | 101,60 | 517,80 | PC4269 | PC4281 |
| PL4308 | PVC DN 110 | 101,60 | 448,82 | PC4285 | PC4272 |
| PL4309 | PVC DN 110 | 101,60 | 424,50 | PC4271 | PC4284 |
| PL431  | PVC DN 110 | 101,60 | 297,73 | PC418  | PC445  |
| PL4310 | PVC DN 110 | 101,60 | 34,18  | PC4273 | PC4272 |
| PL4311 | PVC DN 110 | 101,60 | 272,06 | PC4273 | PC4274 |
| PL4312 | PVC DN 110 | 101,60 | 286,51 | PC4275 | PC4273 |
| PL4313 | PVC DN 160 | 147,60 | 163,32 | PC4275 | PC4279 |
| PL4314 | PVC DN 110 | 101,60 | 234,72 | PC4279 | PC4280 |
| PL4315 | PVC DN 160 | 147,60 | 148,46 | PC4277 | PC4280 |
| PL4316 | PVC DN 110 | 101,60 | 62,23  | PC4278 | PC4277 |
| PL4317 | PVC DN 160 | 147,60 | 260,20 | PC4277 | PC4275 |
| PL4318 | PVC DN 110 | 101,60 | 194,53 | PC4272 | PC4271 |
| PL4319 | PVC DN 110 | 101,60 | 160,82 | PC4281 | PC4282 |
| PL432  | PVC DN 110 | 101,60 | 192,48 | PC411  | PC425  |
| PL4320 | PVC DN 110 | 101,60 | 86,45  | PC4282 | PC4283 |
| PL4321 | PVC DN 110 | 101,60 | 11,90  | PC4284 | PC4282 |
| PL4322 | PVC DN 110 | 101,60 | 48,55  | PC4285 | PC4284 |
| PL4323 | PVC DN 110 | 101,60 | 341,45 | PC4286 | PC4285 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>112/512   |
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|         |               |        |          |         |        |
|---------|---------------|--------|----------|---------|--------|
| PL4324  | DUCTIL DN 300 | 301,60 | 1.356,16 | PC4237  | PC4287 |
| PL4324A | DUCTIL DN 300 | 301,60 | 2,03     | PC4287  | PC4288 |
| PL4325  | PVC DN 110    | 101,60 | 2,60     | PC4287  | PC4288 |
| PL4326  | PVC DN 160    | 147,60 | 71,96    | PC4289  | PC4288 |
| PL4327  | PVC DN 110    | 101,60 | 291,48   | PC4288  | PC4312 |
| PL4328  | DUCTIL DN 250 | 250,40 | 255,97   | PC4392  | PC4288 |
| PL4328A | PVC DN 110    | 101,60 | 255,50   | PC4392A | PC4287 |
| PL4329  | PEHD DN 63    | 55,40  | 20,20    | PC4289  | PC4290 |
| PL433   | PVC DN 110    | 101,60 | 33,74    | PC425   | PC426  |
| PL4330  | PVC DN 160    | 147,60 | 25,17    | PC4291  | PC4289 |
| PL4331  | PVC DN 160    | 147,60 | 192,44   | PC4312  | PC4291 |
| PL4332  | PVC DN 160    | 147,60 | 102,93   | PC4293  | PC4291 |
| PL4333  | PEHD DN 63    | 55,40  | 63,71    | PC4293  | PC4294 |
| PL4334  | PVC DN 160    | 147,60 | 193,95   | PC4295  | PC4293 |
| PL4335  | PVC DN 160    | 147,60 | 230,67   | PC4298  | PC4295 |
| PL4336  | PVC DN 160    | 147,60 | 20,37    | PC4295  | PC4296 |
| PL4337  | PVC DN 160    | 147,60 | 26,80    | PC4296  | PC4297 |
| PL4338  | PVC DN 160    | 147,60 | 291,24   | PC4297  | PC4313 |
| PL4339  | PEHD DN 63    | 55,40  | 67,11    | PC4313  | PC4314 |
| PL434   | PVC DN 110    | 101,60 | 142,09   | PC426   | PC427  |
| PL4340  | PVC DN 160    | 147,60 | 92,12    | PC4313  | PC4317 |
| PL4341  | PVC DN 110    | 101,60 | 237,88   | PC4297  | PC4299 |
| PL4342  | PVC DN 110    | 101,60 | 513,09   | PC4299  | PC4318 |
| PL4343  | PVC DN 110    | 101,60 | 376,95   | PC4300  | PC4296 |
| PL4344  | PVC DN 110    | 101,60 | 184,40   | PC4300  | PC4301 |
| PL4345  | PVC DN 110    | 101,60 | 126,00   | PC4302  | PC4300 |
| PL4346  | PVC DN 160    | 147,60 | 130,99   | PC4307  | PC4302 |
| PL4347  | PVC DN 160    | 147,60 | 108,29   | PC4303  | PC4302 |
| PL4348  | PVC DN 160    | 147,60 | 58,93    | PC4304  | PC4303 |
| PL4349  | PVC DN 160    | 101,60 | 95,75    | PC4305  | PC4303 |
| PL435   | PVC DN 110    | 101,60 | 167,56   | PC427   | PC428  |
| PL4350  | PEHD DN 63    | 55,40  | 90,82    | PC4305  | PC4306 |
| PL4351  | PVC DN 110    | 101,60 | 124,15   | PC4307  | PC4305 |
| PL4352  | PVC DN 160    | 147,60 | 69,66    | PC4308  | PC4307 |
| PL4353  | PEHD DN 63    | 55,40  | 52,14    | PC4308  | PC4309 |
| PL4354  | PVC DN 160    | 147,60 | 42,80    | PC4310  | PC4308 |
| PL4355  | PVC DN 110    | 101,60 | 201,87   | PC4310  | PC4311 |
| PL4356  | PVC DN 160    | 147,60 | 66,95    | PC4312  | PC4310 |
| PL4357  | PVC DN 160    | 147,60 | 97,21    | PC4384  | PC4304 |
| PL4358  | PVC DN 110    | 101,60 | 294,14   | PC4316  | PC4304 |
| PL4359  | PVC DN 110    | 101,60 | 149,99   | PC4315  | PC4328 |
| PL436   | PVC DN 110    | 101,60 | 184,13   | PC427   | PC429  |
| PL4360  | PVC DN 110    | 101,60 | 183,86   | PC4315  | PC4316 |
| PL4361  | PVC DN 110    | 101,60 | 342,27   | PC4317  | PC4316 |
| PL4362  | PVC DN 110    | 101,60 | 107,55   | PC4317  | PC4318 |
| PL4363  | PVC DN 110    | 101,60 | 154,47   | PC4318  | PC4319 |
| PL4364  | PVC DN 160    | 147,60 | 100,02   | PC4319  | PC4317 |
| PL4365  | PVC DN 160    | 147,60 | 80,22    | PC4319  | PC4320 |
| PL4366  | PVC DN 110    | 101,60 | 62,05    | PC4320  | PC4321 |

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|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                  |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing.građ. |                   |          |   |   |   |   |   |



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|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL4367 | PVC DN 160  | 147,60 | 20,23  | PC4320 | PC4322 |
| PL4368 | PVC DN 160  | 147,60 | 76,93  | PC4322 | PC4323 |
| PL4369 | PVC DN 160  | 147,60 | 90,57  | PC4324 | PC4323 |
| PL437  | PVC DN 110  | 101,60 | 622,51 | PC426  | PC430  |
| PL4370 | PVC DN 110  | 101,60 | 134,67 | PC4323 | PC4324 |
| PL4371 | PVC DN 160  | 147,60 | 127,51 | PC4324 | PC4325 |
| PL4372 | PVC DN 110  | 101,60 | 195,88 | PC4326 | PC4325 |
| PL4373 | PVC DN 110  | 101,60 | 130,27 | PC4327 | PC4326 |
| PL4374 | PVC DN 160  | 147,60 | 16,85  | PC4328 | PC4327 |
| PL4375 | PVC DN 110  | 101,60 | 189,53 | PC4325 | PC4328 |
| PL4376 | PVC DN 110  | 101,60 | 99,03  | PC4329 | PC4315 |
| PL4377 | PVC DN 110  | 101,60 | 159,58 | PC4331 | PC4329 |
| PL4378 | PVC DN 110  | 101,60 | 49,20  | PC4329 | PC4330 |
| PL4379 | PVC DN 110  | 101,60 | 30,33  | PC4331 | PC4332 |
| PL438  | PEHD DN 160 | 141,00 | 448,91 | PC411  | PC432  |
| PL4380 | PEHD DN 63  | 55,40  | 50,78  | PC4332 | PC4333 |
| PL4381 | PVC DN 110  | 101,60 | 185,01 | PC4322 | PC4331 |
| PL4382 | PVC DN 160  | 147,60 | 111,97 | PC4334 | PC4327 |
| PL4383 | PVC DN 110  | 101,60 | 125,80 | PC4335 | PC4315 |
| PL4384 | PVC DN 110  | 101,60 | 59,82  | PC4335 | PC4336 |
| PL4385 | PVC DN 110  | 101,60 | 19,36  | PC4337 | PC4335 |
| PL4386 | PVC DN 110  | 101,60 | 195,99 | PC4326 | PC4338 |
| PL4387 | PVC DN 110  | 101,60 | 196,62 | PC4338 | PC4345 |
| PL4388 | PVC DN 110  | 101,60 | 176,48 | PC4339 | PC4338 |
| PL4389 | PVC DN 110  | 101,60 | 100,12 | PC4339 | PC4340 |
| PL439  | PVC DN 110  | 101,60 | 262,73 | PC425  | PC431  |
| PL4390 | PVC DN 110  | 101,60 | 167,84 | PC4341 | PC4339 |
| PL4391 | PVC DN 160  | 147,60 | 131,11 | PC4345 | PC4341 |
| PL4392 | PVC DN 160  | 147,60 | 119,65 | PC4345 | PC4334 |
| PL4393 | PEHD DN 63  | 55,40  | 65,05  | PC4334 | PC4346 |
| PL4394 | PEHD DN 63  | 55,40  | 171,40 | PC4347 | PC4348 |
| PL4395 | PVC DN 110  | 101,60 | 79,87  | PC4349 | PC4348 |
| PL4396 | PVC DN 110  | 101,60 | 68,51  | PC4349 | PC4337 |
| PL4397 | PVC DN 110  | 101,60 | 131,61 | PC4348 | PC4350 |
| PL4398 | PEHD DN 32  | 28,20  | 11,60  | PC4350 | PC4351 |
| PL4399 | PEHD DN 110 | 101,60 | 39,45  | PC4350 | PC4352 |
| PL44   | PVC DN 90   | 81,40  | 32,53  | PC44   | PC42   |
| PL440  | PEHD DN 110 | 96,80  | 47,22  | PC432  | PC431  |
| PL4400 | PVC DN 110  | 101,60 | 32,98  | PC4352 | PC4353 |
| PL4401 | PEHD DN 32  | 28,20  | 8,45   | PC4353 | PC4354 |
| PL4402 | PVC DN 110  | 101,60 | 57,19  | PC4353 | PC4355 |
| PL4403 | PVC DN 160  | 147,60 | 164,26 | PC4343 | PC4355 |
| PL4404 | PVC DN 160  | 147,60 | 103,89 | PC4341 | PC4343 |
| PL4405 | PVC DN 110  | 101,60 | 79,10  | PC4343 | PC4344 |
| PL4406 | PVC DN 160  | 147,60 | 172,49 | PC4360 | PC4355 |
| PL4407 | PVC DN 110  | 101,60 | 93,55  | PC4352 | PC4356 |
| PL4408 | PEHD DN 32  | 28,20  | 7,69   | PC4357 | PC4356 |
| PL4409 | PVC DN 110  | 101,60 | 28,84  | PC4356 | PC4358 |
| PL441  | PVC DN 110  | 101,60 | 239,09 | PC431  | PC433  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>114/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKOŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|---------|---------------|--------|----------|---------|---------|
| PL4410  | PEHD DN 32    | 28,20  | 7,76     | PC4358  | PC4359  |
| PL4411  | PVC DN 110    | 101,60 | 109,05   | PC4358  | PC4360  |
| PL4412  | PVC DN 160    | 147,60 | 34,07    | PC4360  | PC4361  |
| PL4413  | PVC DN 160    | 147,60 | 38,88    | PC4361  | PC4362  |
| PL4414  | PEHD DN 63    | 55,40  | 14,30    | PC4363  | PC4362  |
| PL4415  | PEHD DN 63    | 55,40  | 40,16    | PC4363  | PC4364  |
| PL4416  | PEHD DN 63    | 55,40  | 29,49    | PC4361  | PC4364  |
| PL4417  | PEHD DN 63    | 55,40  | 35,16    | PC4364  | PC4365  |
| PL4418  | PVC DN 225    | 207,80 | 299,67   | PC4341  | PC4342  |
| PL4419  | DUCTIL DN 200 | 199,40 | 211,56   | PC4342  | PC4366  |
| PL442   | PEHD DN 225   | 198,20 | 780,60   | PC434   | PC388   |
| PL4420  | PVC DN 225    | 207,80 | 658,18   | PC4366  | PC4367  |
| PL4421  | PEHD DN 63    | 55,40  | 23,77    | PC4363  | PC4368  |
| PL4422  | PVC DN 160    | 147,60 | 105,93   | PC4362  | PC4504  |
| PL4423  | PVC DN 110    | 101,60 | 39,61    | PC4504  | PC4370  |
| PL4424  | PVC DN 110    | 101,60 | 70,43    | PC4370  | PC4372  |
| PL4425  | PVC DN 110    | 101,60 | 45,80    | PC4370  | PC4371  |
| PL4426  | PVC DN 160    | 147,60 | 86,50    | PC4504  | PC4373  |
| PL4427  | PVC DN 110    | 101,60 | 100,73   | PC4373  | PC4374  |
| PL4428  | PVC DN 110    | 101,60 | 237,94   | PC4374  | PC4376  |
| PL4429  | PVC DN 110    | 101,60 | 123,46   | PC4376  | PC4377  |
| PL443   | DUCTIL DN 300 | 300,00 | 286,59   | PC434   | PC435A  |
| PL4430  | PVC DN 110    | 101,60 | 72,46    | PC4376  | PC4378  |
| PL4431  | PVC DN 160    | 147,60 | 159,35   | PC4376  | PC4375  |
| PL4432  | PVC DN 160    | 147,60 | 203,76   | PC4373  | PC4375  |
| PL4433  | PVC DN 110    | 101,60 | 93,89    | PC4375  | PC4379  |
| PL4434  | PVC DN 110    | 101,60 | 180,20   | PC4385  | PC4379  |
| PL4435  | PVC DN 110    | 101,60 | 27,00    | PC4379  | PC4380  |
| PL4436  | PVC DN 110    | 101,60 | 34,70    | PC4380  | PC4381  |
| PL4437  | PVC DN 110    | 101,60 | 169,99   | PC4380  | PC4349  |
| PL4438  | PVC DN 110    | 101,60 | 138,69   | PC4337  | PC4382  |
| PL4439  | PVC DN 110    | 101,60 | 65,93    | PC4382  | PC4383  |
| PL444   | DUCTIL DN 300 | 300,00 | 317,84   | PC436   | PC435   |
| PL4440  | PVC DN 110    | 101,60 | 47,99    | PC4382  | PC4384  |
| PL4441  | PVC DN 160    | 147,60 | 97,83    | PC4384  | PC4385  |
| PL4442  | PVC DN 110    | 101,60 | 69,55    | PC4385  | PC4386  |
| PL4443  | PVC DN 160    | 147,60 | 161,51   | PC4385  | PC4387  |
| PL4444  | PVC DN 110    | 101,60 | 134,41   | PC4387  | PC4388  |
| PL4445  | PVC DN 160    | 147,60 | 124,67   | PC4387  | PC4375  |
| PL4446  | PVC DN 110    | 101,60 | 241,95   | PC4389  | PC4374  |
| PL4447  | PEHD DN 90    | 79,20  | 2.049,93 | PC4390  | PC4389  |
| PL4448  | PEHD DN 90    | 79,20  | 1.704,99 | PC4391  | PC4390  |
| PL4449  | PEHD DN 63    | 55,40  | 124,29   | PC4392  | PC4393  |
| PL4449A | PEHD DN 63    | 55,40  | 3,99     | PC4392A | PC4392  |
| PL445   | PVC DN 110    | 101,60 | 112,69   | PC436   | PC437   |
| PL4450  | DUCTIL DN 250 | 250,40 | 447,14   | PC4394  | PC4392  |
| PL4450A | PVC DN 110    | 101,60 | 448,20   | PC4394A | PC4392A |
| PL4451  | DUCTIL DN 250 | 250,40 | 77,23    | PC4395  | PC4394  |
| PL4452  | PVC DN 250    | 250,40 | 59,39    | PC4395A | PC4395  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>115/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |          |         |         |
|---------|---------------|--------|----------|---------|---------|
| PL4453  | PEHD DN 160   | 141,00 | 254,47   | PC4395A | PC4396  |
| PL4454  | DUCTIL DN 250 | 250,40 | 336,62   | PC4397  | PC4395A |
| PL4455  | PVC DN 110    | 101,60 | 261,16   | PC4397  | PC4398  |
| PL4456  | DUCTIL DN 250 | 250,40 | 99,93    | PC4399  | PC4397  |
| PL4457  | DUCTIL DN 250 | 250,40 | 1.052,56 | PC4400  | PC4399  |
| PL4458  | DUCTIL DN 250 | 250,40 | 580,94   | PC4401  | PC4400  |
| PL4459  | DUCTIL DN 250 | 250,40 | 562,84   | PC4402  | PC4401  |
| PL446   | DUCTIL DN 300 | 300,00 | 126,72   | PC438   | PC436A  |
| PL4460  | PEHD DN 225   | 198,20 | 40,47    | PC4403  | PC4402  |
| PL4461  | PEHD DN 225   | 198,20 | 39,51    | PC4403  | PC4404  |
| PL4462  | PVC DN 225    | 198,20 | 302,90   | PC4405  | PC4403  |
| PL4463  | DUCTIL DN 250 | 250,40 | 384,98   | PC4425  | PC4402  |
| PL4464  | DUCTIL DN 250 | 250,40 | 44,10    | PC4402  | PC4406  |
| PL4465  | PEHD DN 110   | 96,80  | 30,86    | PC4407  | PC4410  |
| PL4466  | PVC DN 110    | 101,60 | 297,62   | PC4420  | PC4410  |
| PL4467  | DUCTIL DN 250 | 250,40 | 59,32    | PC4406  | PC4408  |
| PL4467A | PEHD DN 110   | 96,80  | 44,38    | PC4408  | PC4407  |
| PL4468  | PVC DN 110    | 101,60 | 15,92    | PC4408  | PC4409  |
| PL4469  | PVC DN 110    | 101,60 | 175,87   | PC4411  | PC4409  |
| PL447   | PVC DN 110    | 101,60 | 115,23   | PC438   | PC439   |
| PL4470  | PVC DN 110    | 101,60 | 150,78   | PC4429  | PC4411  |
| PL4471  | PVC DN 110    | 101,60 | 81,88    | PC4412  | PC4411  |
| PL4472  | PVC DN 110    | 101,60 | 438,67   | PC4409  | PC4426  |
| PL4473  | PVC DN 110    | 101,60 | 100,86   | PC4413  | PC4408  |
| PL4474  | PVC DN 110    | 101,60 | 182,09   | PC4409  | PC4414  |
| PL4475  | PVC DN 110    | 101,60 | 207,72   | PC4413  | PC4415  |
| PL4476  | PVC DN 110    | 101,60 | 158,46   | PC4414  | PC4416  |
| PL4478  | PVC DN 110    | 101,60 | 114,54   | PC4415  | PC4417  |
| PL4479  | PVC DN 110    | 101,60 | 104,26   | PC4418  | PC4416  |
| PL448   | PEHD DN 63    | 55,40  | 105,82   | PC439   | PC440   |
| PL4480  | PVC DN 110    | 101,60 | 320,80   | PC4430  | PC4414  |
| PL4481  | PVC DN 110    | 101,60 | 278,76   | PC4416  | PC4431A |
| PL4482  | PVC DN 110    | 101,60 | 281,44   | PC4415  | PC4419  |
| PL4483  | PVC DN 110    | 101,60 | 244,63   | PC4419  | PC4413  |
| PL4484  | PVC DN 110    | 101,60 | 89,50    | PC4419  | PC4420  |
| PL4485  | PVC DN 110    | 101,60 | 135,74   | PC4420  | PC4421  |
| PL4486  | PVC DN 110    | 101,60 | 106,83   | PC4421  | PC4422  |
| PL4487  | PEHD DN 63    | 55,40  | 64,29    | PC4422  | PC4424  |
| PL4488  | PEHD DN 63    | 55,40  | 64,26    | PC4422  | PC4423  |
| PL4489  | DUCTIL DN 250 | 250,40 | 39,42    | PC4426  | PC4425  |
| PL449   | PVC DN 110    | 101,60 | 40,29    | PC439   | PC441   |
| PL4490  | DUCTIL DN 250 | 250,40 | 88,04    | PC4427  | PC4426  |
| PL4490A | PEHD DN 110   | 96,80  | 88,23    | PC4426  | PC4427  |
| PL4491  | PVC DN 110    | 101,60 | 149,27   | PC4445  | PC4427  |
| PL4492  | DUCTIL DN 250 | 250,40 | 152,38   | PC4428  | PC4427  |
| PL4492A | PEHD DN 110   | 96,80  | 152,40   | PC4427  | PC4428A |
| PL4493  | PVC DN 160    | 147,60 | 152,49   | PC4444  | PC4428  |
| PL4493A | PVC DN 160    | 147,60 | 0,28     | PC4428  | PC4428A |
| PL4494  | PVC DN 160    | 147,60 | 136,97   | PC4443  | PC4444  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>116/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |        |         |         |
|---------|---------------|--------|--------|---------|---------|
| PL4495  | PVC DN 110    | 101,60 | 154,51 | PC4444  | PC4445  |
| PL4496  | PVC DN 110    | 101,60 | 101,76 | PC4446  | PC4445  |
| PL4497  | DUCTIL DN 250 | 250,40 | 128,92 | PC4428  | PC4430  |
| PL4497A | PEHD DN 110   | 96,80  | 30,61  | PC4428A | PC4429  |
| PL4497B | PEHD DN 110   | 96,80  | 97,93  | PC4429  | PC4430  |
| PL4498  | PVC DN 110    | 101,60 | 288,92 | PC4430  | PC4442  |
| PL4499  | DUCTIL DN 250 | 250,40 | 155,57 | PC4431  | PC4430  |
| PL4499A | PEHD DN 110   | 96,80  | 155,48 | PC4430  | PC4431A |
| PL45    | PEHD DN 32    | 28,20  | 208,93 | PC44    | PC45    |
| PL450   | DUCTIL DN 300 | 300,00 | 201,85 | PC442   | PC438   |
| PL4500  | PVC DN 110    | 101,60 | 240,47 | PC4440  | PC4431  |
| PL4500A | PVC DN 110    | 101,60 | 0,49   | PC4431  | PC4431A |
| PL4501  | DUCTIL DN 250 | 250,40 | 184,26 | PC4432  | PC4431  |
| PL4501A | PEHD DN 110   | 96,80  | 179,79 | PC4431A | PC4433  |
| PL4502  | DUCTIL DN 250 | 250,40 | 19,04  | PC4434  | PC4432  |
| PL4503  | PEHD DN 225   | 207,80 | 58,65  | PC4434  | PC4458  |
| PL4504  | PVC DN 160    | 147,60 | 63,98  | PC4435  | PC4432  |
| PL4505  | PVC DN 110    | 101,60 | 104,27 | PC4435  | PC4436  |
| PL4506  | PVC DN 160    | 147,60 | 98,54  | PC4435  | PC4437  |
| PL4507  | PEHD DN 160   | 141,00 | 89,38  | PC4454  | PC4437  |
| PL4508  | PVC DN 160    | 147,60 | 77,83  | PC4437  | PC4438  |
| PL4509  | PVC DN 160    | 147,60 | 397,57 | PC4438  | PC4439  |
| PL451   | PEHD DN 280   | 246,80 | 431,84 | PC445   | PC442   |
| PL4510  | PVC DN 110    | 101,60 | 163,57 | PC4438  | PC4440  |
| PL4511  | PVC DN 110    | 101,60 | 219,57 | PC4440  | PC4441  |
| PL4512  | PVC DN 110    | 101,60 | 163,45 | PC4442  | PC4440  |
| PL4513  | PVC DN 160    | 147,60 | 154,68 | PC4443  | PC4442  |
| PL4514  | PEHD DN 110   | 96,80  | 358,31 | PC4443  | PC4447  |
| PL4515  | PVC DN 160    | 147,60 | 284,74 | PC4442  | PC4448  |
| PL4516  | PVC DN 110    | 101,60 | 979,68 | PC4448  | PC4449  |
| PL4517  | PVC DN 160    | 147,60 | 115,14 | PC4451  | PC4450  |
| PL4518  | PVC DN 160    | 147,60 | 385,95 | PC4451  | PC4470  |
| PL4519  | PVC DN 160    | 147,60 | 548,87 | PC4470  | PC4471  |
| PL451A  | PEHD DN 110   | 96,80  | 290,64 | PC443   | PC442   |
| PL451B  | PEHD DN 110   | 96,80  | 140,99 | PC445   | PC443   |
| PL4520  | PVC DN 160    | 147,60 | 219,23 | PC4471  | PC4462  |
| PL4521  | PVC DN 110    | 101,60 | 212,13 | PC4464  | PC4463  |
| PL4522  | PVC DN 110    | 101,60 | 392,43 | PC4468  | PC4464  |
| PL4523  | PVC DN 160    | 147,60 | 183,47 | PC4452  | PC4451  |
| PL4524  | PVC DN 110    | 101,60 | 159,88 | PC4452  | PC4453  |
| PL4525  | PVC DN 160    | 147,60 | 300,16 | PC4454  | PC4452  |
| PL4526  | PVC DN 160    | 147,60 | 130,32 | PC4457  | PC4454  |
| PL4527  | PVC DN 110    | 101,60 | 197,65 | PC4457  | PC4456  |
| PL4528  | PVC DN 160    | 147,60 | 48,73  | PC4458  | PC4457  |
| PL4529  | PVC DN 225    | 207,80 | 196,91 | PC4459  | PC4458  |
| PL4529A | PVC DN 110    | 101,60 | 210,34 | PC4459  | PC4458  |
| PL453   | PEHD DN 280   | 246,80 | 187,96 | PC446A  | PC445   |
| PL4530  | PVC DN 110    | 101,60 | 254,00 | PC4469  | PC4459  |
| PL4531  | PVC DN 225    | 207,80 | 20,66  | PC4459  | PC4459A |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>117/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |          |         |         |
|---------|-------------|--------|----------|---------|---------|
| PL4532  | PVC DN 225  | 207,80 | 156,71   | PC4460  | PC4459A |
| PL4532A | PVC DN 110  | 101,60 | 157,03   | PC4459A | PC4460  |
| PL4533  | PVC DN 225  | 207,80 | 201,33   | PC4468  | PC4460  |
| PL4533A | PVC DN 110  | 101,60 | 201,38   | PC4460  | PC4468  |
| PL4534  | PVC DN 225  | 207,80 | 110,76   | PC4467  | PC4468  |
| PL4534A | PVC DN 110  | 101,60 | 111,25   | PC4467  | PC4468  |
| PL4535  | PVC DN 110  | 101,60 | 326,39   | PC4467  | PC4465  |
| PL4536  | PVC DN 110  | 101,60 | 223,86   | PC4465  | PC4464  |
| PL4537  | PVC DN 110  | 101,60 | 314,87   | PC4465  | PC4466  |
| PL4538  | PVC DN 225  | 207,80 | 673,38   | PC4475  | PC4467  |
| PL4538A | PVC DN 110  | 101,60 | 673,93   | PC4475  | PC4467  |
| PL4539  | PVC DN 110  | 101,60 | 396,06   | PC4460  | PC4473  |
| PL453A  | PEHD DN 110 | 96,80  | 187,96   | PC446   | PC445   |
| PL454   | PEHD DN 110 | 96,80  | 11,94    | PC446   | PC447   |
| PL4540  | PVC DN 110  | 101,60 | 279,80   | PC4473  | PC4475  |
| PL4541  | PVC DN 110  | 101,60 | 118,28   | PC4473  | PC4472  |
| PL4542  | PVC DN 110  | 101,60 | 348,34   | PC4472  | PC4459A |
| PL4543  | PVC DN 110  | 101,60 | 225,00   | PC4474  | PC4472  |
| PL4544  | PVC DN 110  | 101,60 | 169,76   | PC4476  | PC4475  |
| PL4545  | PEHD DN 90  | 79,20  | 1.951,33 | PC4476  | PC4477  |
| PL4546  | PEHD DN 90  | 79,20  | 2.176,29 | PC4477  | PC4478  |
| PL4547  | PVC DN 160  | 147,60 | 360,02   | PC4479  | PC4450  |
| PL4548  | PVC DN 160  | 147,60 | 214,35   | PC44820 | PC4479  |
| PL4549  | PVC DN 110  | 101,60 | 101,77   | PC44820 | PC4481  |
| PL455   | PEHD DN 280 | 246,80 | 199,51   | PC448   | PC446A  |
| PL4550  | PVC DN 160  | 147,60 | 383,35   | PC4492  | PC44820 |
| PL4551  | PVC DN 110  | 101,60 | 339,79   | PC4481  | PC4482  |
| PL4552  | PVC DN 110  | 101,60 | 227,87   | PC4482  | PC4492  |
| PL4553  | PVC DN 160  | 147,60 | 96,21    | PC4491  | PC4492  |
| PL4554  | PVC DN 110  | 101,60 | 154,93   | PC4483  | PC4482  |
| PL4555  | PVC DN 110  | 101,60 | 82,73    | PC4484  | PC4483  |
| PL4556  | PVC DN 110  | 101,60 | 36,96    | PC4485  | PC4483  |
| PL4557  | PVC DN 110  | 101,60 | 97,05    | PC4486  | PC4485  |
| PL4558  | PVC DN 110  | 101,60 | 109,65   | PC4487  | PC4485  |
| PL4559  | PVC DN 110  | 101,60 | 226,60   | PC4491  | PC4487  |
| PL455A  | PEHD DN 110 | 96,80  | 199,51   | PC448A  | PC446   |
| PL456   | PEHD DN 110 | 96,80  | 10,91    | PC448A  | PC449   |
| PL4560  | PVC DN 110  | 101,60 | 65,95    | PC4488  | PC4487  |
| PL4561  | PVC DN 110  | 101,60 | 220,88   | PC4488  | PC4489  |
| PL4562  | PVC DN 110  | 101,60 | 94,92    | PC4489  | PC4490  |
| PL4563  | PVC DN 160  | 147,60 | 26,57    | PC4490  | PC4491  |
| PL4564  | PVC DN 160  | 147,60 | 48,53    | PC4493  | PC4490  |
| PL4565  | PVC DN 110  | 101,60 | 150,24   | PC4493  | PC4494  |
| PL4566  | PVC DN 110  | 101,60 | 28,28    | PC4494  | PC4496  |
| PL4567  | PVC DN 110  | 101,60 | 50,28    | PC4494  | PC4495  |
| PL4568  | PVC DN 160  | 147,60 | 87,78    | PC4497  | PC4493  |
| PL4569  | PVC DN 110  | 101,60 | 97,70    | PC4498  | PC4497  |
| PL457   | PEHD DN 280 | 246,80 | 158,39   | PC450   | PC448   |
| PL4570  | PVC DN 110  | 101,60 | 115,98   | PC4498  | PC4499  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>118/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |         |
|--------|-------------|--------|----------|--------|---------|
| PL4571 | PVC DN 110  | 101,60 | 169,90   | PC4500 | PC4498  |
| PL4572 | PVC DN 110  | 101,60 | 126,64   | PC4500 | PC4501  |
| PL4573 | PVC DN 110  | 101,60 | 145,99   | PC4450 | PC4500  |
| PL4574 | PVC DN 110  | 101,60 | 62,60    | PC4489 | PC4503  |
| PL4575 | PVC DN 110  | 101,60 | 361,20   | PC4463 | PC4503  |
| PL4576 | PVC DN 110  | 101,60 | 108,15   | PC4503 | PC4502  |
| PL4577 | PVC DN 110  | 101,60 | 93,45    | PC4502 | PC4462  |
| PL4578 | PVC DN 110  | 101,60 | 122,27   | PC4502 | PC4502A |
| PL4579 | PVC DN 160  | 147,60 | 142,22   | PC4135 | PC4125  |
| PL457A | PEHD DN 110 | 96,80  | 158,39   | PC450  | PC448A  |
| PL458  | PEHD DN 160 | 141,00 | 528,38   | PC432  | PC451   |
| PL4580 | PVC DN 110  | 101,60 | 45,48    | PC4091 | PC4089  |
| PL4581 | PVC DN 225  | 207,80 | 20,66    | PC4459 | PC4459A |
| PL4582 | PEHD DN 110 | 101,60 | 156,92   | PC4218 | PC4219  |
| PL4583 | PVC DN 160  | 147,60 | 86,25    | PC4223 | PC4214  |
| PL4584 | PVC DN 160  | 147,60 | 61,51    | PC4462 | PC4497  |
| PL4585 | PVC DN 110  | 101,60 | 60,73    | PC4182 | PC4183  |
| PL459  | PEHD DN 280 | 246,80 | 310,21   | PC452  | PC450   |
| PL46   | PVC DN 90   | 81,40  | 246,66   | PC46   | PC44    |
| PL460  | PEHD DN 110 | 96,80  | 563,19   | PC436  | PC453   |
| PL461  | PVC DN 110  | 101,60 | 93,60    | PC453  | PC454   |
| PL462  | PVC DN 110  | 101,60 | 118,81   | PC455  | PC453   |
| PL463  | PVC DN 160  | 147,60 | 108,65   | PC442  | PC455A  |
| PL464  | PVC DN 160  | 147,60 | 99,27    | PC455  | PC456   |
| PL465  | PVC DN 110  | 101,60 | 293,89   | PC456  | PC457   |
| PL466  | PVC DN 160  | 147,60 | 132,62   | PC456  | PC458   |
| PL467  | PVC DN 110  | 101,60 | 521,18   | PC458  | PC459   |
| PL468  | PVC DN 110  | 101,60 | 266,52   | PC458  | PC460   |
| PL469  | PEHD DN 32  | 28,20  | 61,78    | PC458  | PC461   |
| PL47   | PEHD DN 32  | 28,20  | 204,09   | PC46   | PC47    |
| PL470  | PVC DN 110  | 101,60 | 50,73    | PC458  | PC462   |
| PL471  | PVC DN 110  | 101,60 | 1.411,25 | PC462  | PC463   |
| PL472  | PVC DN 110  | 101,60 | 74,27    | PC463  | PC464   |
| PL473  | PEHD DN 63  | 55,40  | 16,55    | PC463  | PC465   |
| PL474  | PEHD DN 63  | 55,40  | 160,16   | PC465  | PC466   |
| PL475  | PEHD DN 63  | 55,40  | 42,66    | PC465  | PC467   |
| PL476  | PEHD DN 63  | 55,40  | 67,56    | PC467  | PC468   |
| PL477  | PEHD DN 63  | 55,40  | 112,34   | PC467  | PC469   |
| PL478  | PVC DN 110  | 101,60 | 294,33   | PC470  | PC445   |
| PL479  | PEHD DN 110 | 96,80  | 225,39   | PC471  | PC470   |
| PL48   | PVC DN 90   | 81,40  | 651,97   | PC48   | PC46    |
| PL480  | PEHD DN 110 | 96,80  | 11,76    | PC471  | PC472   |
| PL481  | PEHD DN 110 | 96,80  | 64,79    | PC473  | PC471   |
| PL482  | PEHD DN 110 | 96,80  | 15,72    | PC473  | PC474   |
| PL483  | PEHD DN 110 | 96,80  | 171,65   | PC450  | PC473   |
| PL484  | PVC DN 110  | 101,60 | 22,17    | PC443  | PC443A  |
| PL485  | PEHD DN 110 | 96,80  | 84,58    | PC443A | PC444   |
| PL486  | PVC DN 63   | 57,00  | 362,63   | PC477  | PC475   |
| PL487  | PVC DN 63   | 57,00  | 393,73   | PC477  | PC476   |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>119/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|--------|---------------|--------|----------|--------|--------|
| PL488  | PVC DN 110    | 101,60 | 865,30   | PC478  | PC477  |
| PL489  | PVC DN 110    | 101,60 | 1.057,98 | PC482  | PC479  |
| PL49   | PVC DN 160    | 147,60 | 273,80   | PC48   | PC49   |
| PL490  | PVC DN 63     | 57,00  | 183,00   | PC479  | PC480  |
| PL491  | PVC DN 110    | 101,60 | 261,08   | PC479  | PC481  |
| PL492  | PVC DN 110    | 101,60 | 84,21    | PC478  | PC482A |
| PL493  | PVC DN 110    | 101,60 | 244,48   | PC483  | PC478  |
| PL494  | PVC DN 63     | 57,00  | 151,57   | PC483  | PC484  |
| PL495  | PVC DN 63     | 57,00  | 179,20   | PC484  | PC485  |
| PL496  | PVC DN 63     | 57,00  | 129,92   | PC484  | PC486  |
| PL497  | PVC DN 63     | 57,00  | 60,83    | PC486  | PC487  |
| PL498  | PVC DN 63     | 57,00  | 152,37   | PC486  | PC488  |
| PL499  | PVC DN 110    | 101,60 | 167,89   | PC489  | PC483  |
| PL5    | PEHD DN 50    | 44,00  | 280,98   | PC5A   | PC6    |
| PL50   | PEHD DN 63    | 55,40  | 868,95   | PC49   | PC50   |
| PL500  | PVC DN 110    | 101,60 | 382,65   | PC489  | PC490A |
| PL500A | PVC DN 110    | 101,60 | 309,74   | PC490B | PC490  |
| PL501  | PVC DN 110    | 101,60 | 620,09   | PC490  | PC491  |
| PL502  | PVC DN 110    | 101,60 | 184,28   | PC492  | PC492A |
| PL502A | PVC DN 110    | 101,60 | 626,38   | PC492B | PC489  |
| PL503  | PVC DN 110    | 101,60 | 154,76   | PC492  | PC493  |
| PL504  | PVC DN 110    | 101,60 | 490,80   | PC493  | PC494  |
| PL505  | PVC DN 63     | 57,00  | 238,07   | PC493  | PC495  |
| PL506  | PVC DN 63     | 57,00  | 136,04   | PC495  | PC496  |
| PL507  | PVC DN 63     | 57,00  | 86,09    | PC495  | PC497  |
| PL508  | PVC DN 110    | 101,60 | 794,43   | PC498  | PC492  |
| PL509  | PEHD DN 32    | 28,20  | 129,95   | PC498  | PC499  |
| PL51   | PVC DN 160    | 147,60 | 453,45   | PC49   | PC51   |
| PL510  | PVC DN 110    | 101,60 | 837,23   | PC500  | PC498  |
| PL511  | PEHD DN 75    | 66,00  | 575,14   | PC500  | PC501  |
| PL512  | PEHD DN 63    | 55,40  | 279,24   | PC501  | PC503  |
| PL513  | PEHD DN 63    | 55,40  | 127,56   | PC501  | PC502  |
| PL514  | PVC DN 110    | 101,60 | 485,77   | PC504  | PC500  |
| PL515  | PVC DN 110    | 101,60 | 191,00   | PC504  | PC505  |
| PL516  | PVC DN 110    | 101,60 | 143,00   | PC506  | PC504  |
| PL517  | PVC DN 110    | 101,60 | 290,23   | PC506A | PC507  |
| PL518  | PEHD DN 160   | 141,00 | 538,25   | PC507  | PC508  |
| PL519  | PVC DN 110    | 101,60 | 521,16   | PC507  | PC509  |
| PL520  | PEHD DN 160   | 141,00 | 19,69    | PC506  | PC510  |
| PL521  | PEHD DN 160   | 141,00 | 6,28     | PC510  | PC511  |
| PL522  | PEHD DN 160   | 141,00 | 8,13     | PC510  | PC512  |
| PL523  | DUCTIL DN 250 | 250,00 | 282,22   | PC513  | PC512  |
| PL524  | DUCTIL DN 250 | 250,00 | 97,81    | PC515  | PC513  |
| PL524A | PVC DN 110    | 101,60 | 105,34   | PC515  | PC514  |
| PL525  | DUCTIL DN 250 | 250,00 | 156,45   | PC516  | PC515  |
| PL526  | DUCTIL DN 250 | 250,00 | 481,21   | PC528  | PC516  |
| PL527  | PVC DN 110    | 101,60 | 398,77   | PC526  | PC527  |
| PL528  | PVC DN 110    | 101,60 | 4,85     | PC528  | PC527  |
| PL529  | DUCTIL DN 250 | 250,00 | 302,28   | PC529  | PC528  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>120/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL52A  | PEHD DN 50    | 44,00  | 387,05   | PC51   | 1      |
| PL53   | PVC DN 160    | 147,60 | 414,42   | PC51   | PC53   |
| PL530  | DUCTIL DN 250 | 250,00 | 589,03   | PC531  | PC529  |
| PL531  | PVC DN 110    | 101,60 | 207,28   | PC531  | PC530  |
| PL532  | PVC DN 50     | 45,00  | 491,06   | PC531  | PC532  |
| PL533  | PEHD DN 90    | 79,20  | 530,41   | PC532  | PC533  |
| PL534  | PVC DN 110    | 101,60 | 171,96   | PC532  | PC534  |
| PL535  | PEHD DN 90    | 79,20  | 391,26   | PC534  | PC535  |
| PL536  | PEHD DN 90    | 79,20  | 138,17   | PC534  | PC536  |
| PL537  | PVC DN 110    | 101,60 | 221,79   | PC536A | PC537  |
| PL538  | PVC DN 110    | 101,60 | 768,52   | PC537A | PC538  |
| PL539  | PEHD DN 160   | 141,00 | 164,02   | PC531  | PC517  |
| PL539A | DUCTIL DN 250 | 250,00 | 159,41   | PC519  | PC531  |
| PL54   | PVC DN 160    | 147,60 | 310,82   | PC53   | PC54   |
| PL540  | DUCTIL DN 250 | 250,00 | 461,13   | PC518  | PC519  |
| PL541  | DUCTIL DN 250 | 250,00 | 504,52   | PC520  | PC518  |
| PL542  | DUCTIL DN 250 | 250,00 | 299,25   | PC521  | PC520  |
| PL543  | PVC DN 110    | 101,60 | 3,57     | PC522  | PC523  |
| PL544  | DUCTIL DN 250 | 250,00 | 4,75     | PC521  | PC523  |
| PL546  | PVC DN 110    | 101,60 | 50,00    | PC523  | PC524  |
| PL547  | PVC DN 110    | 101,60 | 200,39   | PC522  | PC525  |
| PL548  | DUCTIL DN 250 | 250,00 | 461,70   | PC539  | PC522  |
| PL549  | DUCTIL DN 300 | 300,00 | 470,59   | PC541  | PC539  |
| PL55   | PVC DN 160    | 147,60 | 55,27    | PC54   | PC55   |
| PL550  | PEHD DN 90    | 79,20  | 4,33     | PC542  | PC541  |
| PL551  | PVC DN 110    | 101,60 | 331,04   | PC542  | PC543  |
| PL552  | PEHD DN 63    | 55,40  | 108,43   | PC542  | PC544  |
| PL553  | DUCTIL DN 300 | 300,00 | 183,99   | PC545  | PC541  |
| PL554  | PEHD DN 63    | 55,40  | 87,85    | PC545  | PC547  |
| PL555  | PEHD DN 90    | 79,20  | 5,12     | PC545  | PC546  |
| PL556  | PEHD DN 63    | 55,40  | 67,79    | PC545  | PC548  |
| PL557  | DUCTIL DN 300 | 300,00 | 344,59   | PC549  | PC545  |
| PL558  | PEHD DN 90    | 96,80  | 910,84   | PC549  | PC550  |
| PL559  | DUCTIL DN 300 | 300,00 | 389,86   | PC551  | PC549  |
| PL56   | PEHD DN 110   | 96,80  | 144,10   | PC54   | PC56   |
| PL560  | PEHD DN 315   | 277,60 | 58,97    | PC856  | PC551  |
| PL561  | DUCTIL DN 250 | 250,00 | 239,08   | PC512  | PC552A |
| PL562  | DUCTIL DN 250 | 250,00 | 549,37   | PC552A | PC554  |
| PL563  | PEHD DN 110   | 96,80  | 466,39   | PC552  | PC553  |
| PL563A | PEHD DN 90    | 96,80  | 72,19    | PC554A | PC553  |
| PL564  | PVC DN 280    | 258,60 | 40,77    | PC555  | PC554  |
| PL565  | PVC DN 280    | 258,60 | 44,00    | PC555  | PC556A |
| PL566A | PVC DN 110    | 101,60 | 45,00    | PC556  | PC554A |
| PL566B | PVC DN 110    | 101,60 | 46,11    | PC556  | PC557  |
| PL567  | PVC DN 110    | 101,60 | 187,36   | PC557  | PC558  |
| PL568  | PVC DN 110    | 101,60 | 668,82   | PC553  | PC559  |
| PL569  | PVC DN 160    | 147,60 | 898,43   | PC514  | PC560  |
| PL57   | PEHD DN 110   | 96,80  | 82,69    | PC56   | PC57   |
| PL570  | PEHD DN 110   | 96,80  | 1.661,98 | PC561  | PC675  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>121/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |             |        |          |        |       |
|--------|-------------|--------|----------|--------|-------|
| PL571  | PEHD DN 110 | 96,80  | 753,75   | PC560  | PC562 |
| PL572  | PVC DN 110  | 101,60 | 808,44   | PC562  | PC563 |
| PL573  | PEHD DN 110 | 96,80  | 615,07   | PC563  | PC564 |
| PL574  | PVC DN 110  | 101,60 | 299,26   | PC563  | PC565 |
| PL575  | PVC DN 110  | 101,60 | 333,74   | PC565  | PC566 |
| PL575A | PVC DN 110  | 101,60 | 754,80   | PC565  | PC631 |
| PL576  | PEHD DN 63  | 55,40  | 207,89   | PC566  | PC567 |
| PL577  | PVC DN 110  | 101,60 | 380,53   | PC566  | PC568 |
| PL578  | PEHD DN 40  | 35,20  | 138,10   | PC568  | PC569 |
| PL579  | PVC DN 110  | 101,60 | 40,88    | PC568  | PC570 |
| PL58   | PEHD DN 110 | 96,80  | 303,99   | PC56   | PC58  |
| PL580  | PEHD DN 40  | 35,20  | 168,19   | PC570  | PC571 |
| PL581  | PEHD DN 40  | 35,20  | 25,29    | PC571  | PC573 |
| PL582  | PEHD DN 40  | 35,20  | 37,22    | PC571  | PC572 |
| PL583  | PVC DN 110  | 101,60 | 250,58   | PC570A | PC574 |
| PL584  | PEHD DN 75  | 66,00  | 466,52   | PC574  | PC575 |
| PL585  | PVC DN 110  | 101,60 | 296,44   | PC574  | PC576 |
| PL586  | PEHD DN 63  | 55,40  | 319,33   | PC576  | PC577 |
| PL587  | PVC DN 110  | 101,60 | 268,67   | PC576  | PC578 |
| PL588  | PEHD DN 63  | 55,40  | 135,81   | PC578  | PC579 |
| PL589  | PVC DN 110  | 101,60 | 328,14   | PC578  | PC580 |
| PL59   | PEHD DN 110 | 96,80  | 483,45   | PC58   | PC59  |
| PL590  | PVC DN 110  | 101,60 | 297,66   | PC580  | PC581 |
| PL591  | PEHD DN 40  | 35,20  | 80,34    | PC581  | PC582 |
| PL592  | PVC DN 110  | 101,60 | 312,26   | PC581  | PC583 |
| PL593  | PEHD DN 63  | 55,40  | 36,11    | PC583  | PC584 |
| PL594  | PVC DN 110  | 101,60 | 163,86   | PC580  | PC585 |
| PL595  | PEHD DN 63  | 55,40  | 354,16   | PC585A | PC586 |
| PL596  | PVC DN 110  | 101,60 | 789,82   | PC587A | PC585 |
| PL597  | PVC DN 110  | 101,60 | 521,98   | PC587  | PC588 |
| PL598  | PVC DN 110  | 101,60 | 138,56   | PC588A | PC589 |
| PL599  | PVC DN 110  | 101,60 | 61,12    | PC590  | PC589 |
| PL6    | PEHD DN 75  | 66,00  | 376,82   | PC4    | PC7   |
| PL60   | PEHD DN 110 | 96,80  | 180,29   | PC58   | PC60  |
| PL600  | PVC DN 110  | 101,60 | 185,57   | PC589  | PC601 |
| PL601  | PEHD DN 63  | 55,40  | 96,88    | PC590  | PC591 |
| PL602  | PVC DN 110  | 101,60 | 67,85    | PC592  | PC590 |
| PL603  | PEHD DN 90  | 79,20  | 87,35    | PC593  | PC592 |
| PL604  | PVC DN 110  | 101,60 | 4,52     | PC594  | PC592 |
| PL605  | PEHD DN 63  | 55,40  | 146,14   | PC594  | PC595 |
| PL606  | PVC DN 110  | 101,60 | 1.026,16 | PC596  | PC594 |
| PL607  | PEHD DN 90  | 79,20  | 119,34   | PC597  | PC596 |
| PL608  | PEHD DN 90  | 79,20  | 171,61   | PC597  | PC598 |
| PL609  | PVC DN 110  | 101,60 | 445,87   | PC599  | PC597 |
| PL61   | PEHD DN 110 | 96,80  | 15,86    | PC61   | PC60  |
| PL610  | PEHD DN 90  | 96,80  | 331,60   | PC599  | PC600 |
| PL611  | PVC DN 110  | 101,60 | 180,33   | PC290  | PC599 |
| PL612  | PVC DN 110  | 101,60 | 661,54   | PC601  | PC602 |
| PL613  | PEHD DN 50  | 45,00  | 156,44   | PC602  | PC603 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>122/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL614  | PVC DN 110  | 101,60 | 191,02 | PC602  | PC604  |
| PL615  | PEHD DN 63  | 57,00  | 250,71 | PC604  | PC605  |
| PL616  | PVC DN 110  | 101,60 | 749,59 | PC604  | PC606  |
| PL617  | PVC DN 110  | 101,60 | 561,83 | PC601  | PC607  |
| PL618  | PVC DN 110  | 101,60 | 766,94 | PC607  | PC608  |
| PL619  | PVC DN 110  | 101,60 | 600,05 | PC608  | PC609  |
| PL62   | PEHD DN 110 | 96,80  | 161,20 | PC62   | PC60   |
| PL620  | PVC DN 110  | 101,60 | 293,71 | PC607  | PC607A |
| PL620A | PVC DN 110  | 101,60 | 384,71 | PC608A | PC610  |
| PL621  | PEHD DN 50  | 44,00  | 285,82 | PC610  | PC611  |
| PL622  | PVC DN 110  | 101,60 | 187,74 | PC610  | PC612  |
| PL623  | PVC DN 110  | 101,60 | 172,19 | PC612  | PC613  |
| PL624  | PVC DN 110  | 101,60 | 125,05 | PC613  | PC614  |
| PL625  | PVC DN 110  | 101,60 | 385,58 | PC613  | PC615  |
| PL626  | PVC DN 110  | 101,60 | 647,67 | PC612  | PC616  |
| PL627  | PEHD DN 90  | 79,20  | 42,06  | PC616  | PC617  |
| PL628  | PEHD DN 50  | 44,00  | 114,21 | PC617  | PC618  |
| PL629  | PEHD DN 50  | 44,00  | 141,75 | PC617  | PC619  |
| PL63   | PEHD DN 110 | 96,80  | 161,38 | PC63   | PC62A  |
| PL630  | PVC DN 110  | 101,60 | 303,61 | PC620  | PC616  |
| PL630A | PVC DN 110  | 101,60 | 31,87  | PC621  | PC620A |
| PL631  | PVC DN 110  | 101,60 | 952,14 | PC622  | PC621  |
| PL632  | PVC DN 110  | 101,60 | 63,53  | PC623  | PC622  |
| PL633  | PVC DN 110  | 101,60 | 70,17  | PC624  | PC623A |
| PL634  | PVC DN 110  | 101,60 | 511,25 | PC625  | PC624  |
| PL635  | PVC DN 110  | 101,60 | 258,83 | PC625  | PC626  |
| PL636  | PEHD DN 75  | 66,00  | 443,41 | PC626A | PC627  |
| PL637  | PVC DN 110  | 101,60 | 773,20 | PC626  | PC628  |
| PL638  | PVC DN 110  | 101,60 | 192,64 | PC628  | PC629  |
| PL639  | PVC DN 110  | 101,60 | 227,12 | PC628  | PC630  |
| PL64   | PEHD DN 110 | 96,80  | 158,78 | PC53   | PC64   |
| PL640  | PVC DN 110  | 101,60 | 73,96  | PC631  | PC625  |
| PL641  | PEHD DN 110 | 96,80  | 251,42 | PC631  | PC632  |
| PL642  | PEHD DN 110 | 96,80  | 549,65 | PC633A | PC634  |
| PL642A | PEHD DN 110 | 96,80  | 71,28  | PC633  | PC632  |
| PL643  | PVC DN 110  | 101,60 | 122,28 | PC624  | PC635  |
| PL645  | PVC DN 110  | 101,60 | 121,62 | PC635A | PC636  |
| PL646  | PVC DN 110  | 101,60 | 323,24 | PC636  | PC637  |
| PL647  | PVC DN 110  | 101,60 | 248,49 | PC637  | PC638  |
| PL648  | PEHD DN 110 | 96,80  | 56,00  | PC638A | PC639  |
| PL649  | PEHD DN 90  | 79,20  | 140,27 | PC639  | PC640  |
| PL65   | PEHD DN 110 | 96,80  | 175,61 | PC65   | PC64   |
| PL650  | PEHD DN 63  | 55,40  | 635,20 | PC638  | PC641  |
| PL651  | PVC DN 110  | 101,60 | 46,94  | PC637  | PC642  |
| PL652  | PVC DN 110  | 101,60 | 143,08 | PC642  | PC643  |
| PL653  | PEHD DN 90  | 79,20  | 377,26 | PC642  | PC644  |
| PL654A | PEHD DN 90  | 79,20  | 44,54  | PC644B | PC645  |
| PL655  | PEHD DN 90  | 79,20  | 790,88 | PC645  | PC646  |
| PL656  | PEHD DN 90  | 79,20  | 663,68 | PC645  | PC647  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>123/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|       |             |        |        |        |        |
|-------|-------------|--------|--------|--------|--------|
| PL657 | PEHD DN 90  | 79,20  | 898,60 | PC647  | PC648  |
| PL658 | PEHD DN 90  | 79,20  | 484,80 | PC644  | PC649A |
| PL659 | PEHD DN 40  | 35,20  | 96,99  | PC649A | PC650  |
| PL66  | PEHD DN 110 | 96,80  | 525,83 | PC64   | PC66   |
| PL660 | PEHD DN 90  | 79,20  | 115,71 | PC649  | PC651  |
| PL661 | PVC DN 110  | 101,60 | 128,67 | PC653  | PC652  |
| PL662 | PEHD DN 110 | 96,80  | 271,44 | PC653  | PC654  |
| PL663 | PVC DN 110  | 101,60 | 167,20 | PC655  | PC653  |
| PL664 | PVC DN 110  | 101,60 | 48,44  | PC655  | PC656  |
| PL665 | PEHD DN 50  | 44,00  | 69,13  | PC656  | PC657  |
| PL666 | PVC DN 110  | 101,60 | 72,38  | PC656  | PC658  |
| PL667 | PVC DN 110  | 101,60 | 134,80 | PC659  | PC655  |
| PL668 | PVC DN 110  | 101,60 | 784,62 | PC659  | PC660  |
| PL669 | PVC DN 110  | 101,60 | 661,57 | PC660  | PC661  |
| PL67  | PEHD DN 110 | 96,80  | 125,18 | PC67   | PC66   |
| PL670 | PVC DN 110  | 101,60 | 420,77 | PC661  | PC662  |
| PL671 | PVC DN 110  | 101,60 | 268,99 | PC661  | PC663  |
| PL672 | PEHD DN 63  | 55,40  | 288,19 | PC663  | PC664  |
| PL673 | PVC DN 110  | 101,60 | 233,33 | PC663  | PC665  |
| PL674 | PEHD DN 110 | 96,80  | 631,63 | PC665  | PC666  |
| PL675 | PVC DN 110  | 101,60 | 98,90  | PC665  | PC667  |
| PL676 | PEHD DN 63  | 55,40  | 139,69 | PC667  | PC668  |
| PL677 | PVC DN 110  | 101,60 | 549,72 | PC667  | PC669  |
| PL678 | PEHD DN 110 | 96,80  | 135,74 | PC669  | PC670  |
| PL679 | PEHD DN 110 | 96,80  | 498,28 | PC670A | PC671  |
| PL68  | PEHD DN 110 | 96,80  | 205,95 | PC68   | PC66A  |
| PL680 | PEHD DN 63  | 55,40  | 113,27 | PC671  | PC672  |
| PL681 | PEHD DN 110 | 96,80  | 421,12 | PC673A | PC671  |
| PL682 | PEHD DN 63  | 55,40  | 167,63 | PC673  | PC674  |
| PL683 | PEHD DN 110 | 96,80  | 155,39 | PC675  | PC673  |
| PL684 | PEHD DN 63  | 55,40  | 183,57 | PC675  | PC676  |
| PL685 | PEHD DN 110 | 96,80  | 964,85 | PC562  | PC677  |
| PL686 | PEHD DN 63  | 55,40  | 364,20 | PC677  | PC678  |
| PL687 | PEHD DN 63  | 55,40  | 349,52 | PC677A | PC679  |
| PL688 | PVC DN 160  | 147,60 | 37,22  | PC680  | PC659  |
| PL689 | PVC DN 160  | 147,60 | 204,09 | PC680  | PC681  |
| PL69  | PEHD DN 110 | 96,80  | 210,30 | PC69   | PC68   |
| PL690 | PVC DN 160  | 147,60 | 236,30 | PC681  | PC682  |
| PL691 | PVC DN 160  | 147,60 | 322,31 | PC682  | PC683  |
| PL692 | PEHD DN 110 | 96,80  | 458,60 | PC682  | PC684  |
| PL693 | PEHD DN 110 | 96,80  | 198,64 | PC681  | PC684  |
| PL694 | PEHD DN 110 | 96,80  | 652,88 | PC684  | PC685  |
| PL695 | PVC DN 110  | 101,60 | 221,68 | PC686  | PC680  |
| PL696 | PVC DN 110  | 101,60 | 38,81  | PC686  | PC687  |
| PL697 | PEHD DN 50  | 44,00  | 89,20  | PC687  | PC688  |
| PL698 | PVC DN 110  | 101,60 | 101,62 | PC689  | PC686  |
| PL699 | PVC DN 110  | 101,60 | 165,72 | PC689  | PC690  |
| PL7   | PEHD DN 50  | 44,00  | 61,99  | PC7    | PC7B   |
| PL70  | PEHD DN 110 | 96,80  | 322,39 | PC69   | PC70   |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>124/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL700  | PVC DN 110    | 101,60 | 395,54   | PC691  | PC689A |
| PL701  | PVC DN 110    | 101,60 | 102,24   | PC691  | PC692  |
| PL702  | PVC DN 110    | 101,60 | 296,87   | PC692A | PC694  |
| PL703  | PVC DN 110    | 101,60 | 18,87    | PC693  | PC691  |
| PL704  | PVC DN 110    | 101,60 | 80,01    | PC694  | PC695  |
| PL705  | PVC DN 110    | 101,60 | 86,21    | PC695  | PC696  |
| PL706  | PVC DN 110    | 101,60 | 115,24   | PC695  | PC697  |
| PL707  | PVC DN 110    | 101,60 | 297,14   | PC697  | PC698  |
| PL708  | PVC DN 110    | 101,60 | 295,55   | PC697  | PC699  |
| PL709  | PVC DN 110    | 101,60 | 67,41    | PC694  | PC700  |
| PL71   | PEHD DN 63    | 55,40  | 100,90   | PC71   | PC69   |
| PL710  | PVC DN 110    | 101,60 | 32,71    | PC700  | PC701  |
| PL711  | PVC DN 110    | 101,60 | 154,71   | PC700  | PC702  |
| PL712  | PVC DN 110    | 101,60 | 383,27   | PC703  | PC721  |
| PL713  | PVC DN 110    | 101,60 | 8,86     | PC702  | PC704  |
| PL714  | PVC DN 110    | 101,60 | 121,81   | PC704  | PC705  |
| PL715  | PVC DN 110    | 101,60 | 267,85   | PC706  | PC707  |
| PL716  | PVC DN 110    | 101,60 | 325,53   | PC708  | PC707  |
| PL717  | PVC DN 110    | 101,60 | 241,19   | PC709  | PC707  |
| PL718  | PVC DN 110    | 101,60 | 420,74   | PC709  | PC710  |
| PL719  | PVC DN 110    | 101,60 | 574,61   | PC711  | PC709  |
| PL72   | PEHD DN 32    | 28,20  | 201,75   | PC71   | PC72   |
| PL720  | PVC DN 110    | 101,60 | 299,16   | PC711  | PC712  |
| PL721  | PVC DN 110    | 101,60 | 75,32    | PC713  | PC711  |
| PL722  | PVC DN 110    | 101,60 | 126,88   | PC713  | PC714  |
| PL723  | PEHD DN 110   | 96,80  | 297,70   | PC715  | PC713  |
| PL724  | DUCTIL DN 300 | 300,00 | 1.347,20 | PC434  | PC715  |
| PL725  | DUCTIL DN 300 | 300,00 | 575,32   | PC715  | PC716  |
| PL726  | DUCTIL DN 300 | 300,00 | 713,73   | PC716  | PC717  |
| PL727  | PEHD DN 160   | 141,00 | 0,58     | PC718  | PC717  |
| PL728  | PEHD DN 160   | 141,00 | 42,07    | PC718  | PC719  |
| PL729  | PEHD DN 110   | 96,80  | 39,66    | PC718  | PC720  |
| PL73   | PEHD DN 110   | 96,80  | 202,18   | PC68   | PC73   |
| PL730  | PVC DN 110    | 101,60 | 523,78   | PC723  | PC722  |
| PL731  | PVC DN 50     | 45,00  | 74,88    | PC723  | PC724  |
| PL732  | PVC DN 110    | 101,60 | 273,46   | PC725  | PC723  |
| PL733  | PVC DN 110    | 101,60 | 176,35   | PC725  | PC726  |
| PL734  | PVC DN 50     | 45,00  | 49,51    | PC726  | PC727  |
| PL735  | PVC DN 110    | 101,60 | 283,78   | PC726  | PC728  |
| PL736  | PVC DN 110    | 101,60 | 454,02   | PC729  | PC725  |
| PL737  | PEHD DN 110   | 96,80  | 832,22   | PC730  | PC729  |
| PL738  | PEHD DN 63    | 55,40  | 558,36   | PC730  | PC731  |
| PL739  | PEHD DN 110   | 96,80  | 489,38   | PC732  | PC730  |
| PL739A | PEHD DN 110   | 96,80  | 64,71    | PC733  | PC732A |
| PL74   | PEHD DN 110   | 96,80  | 77,49    | PC73   | PC74   |
| PL740  | PEHD DN 110   | 96,80  | 1.283,81 | PC734  | PC733  |
| PL741  | PVC DN 110    | 101,60 | 818,26   | PC734A | PC745  |
| PL742  | PEHD DN 225   | 198,20 | 468,44   | PC539  | PC735  |
| PL743  | PVC DN 225    | 207,80 | 18,34    | PC735  | PC734  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>125/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |               |        |          |        |        |
|--------|---------------|--------|----------|--------|--------|
| PL744  | PVC DN 160    | 147,60 | 784,18   | PC736A | PC737  |
| PL744A | PVC DN 110    | 101,60 | 784,18   | PC736  | PC737  |
| PL746  | PVC DN 110    | 101,60 | 1.640,45 | PC735  | PC739  |
| PL747  | PVC DN 110    | 101,60 | 971,23   | PC738  | PC740  |
| PL748  | PVC DN 160    | 147,60 | 1.096,32 | PC738  | PC741  |
| PL749  | PVC DN 110    | 101,60 | 351,52   | PC741  | PC742  |
| PL75   | PEHD DN 110   | 96,80  | 61,60    | PC74   | PC75   |
| PL750  | PVC DN 160    | 147,60 | 974,69   | PC741  | PC743  |
| PL751  | PVC DN 110    | 101,60 | 1.123,31 | PC743  | PC744  |
| PL752A | PVC DN 225    | 207,80 | 347,41   | PC745  | PC746  |
| PL753  | PVC DN 110    | 101,60 | 151,27   | PC746  | PC747  |
| PL754  | PVC DN 110    | 101,60 | 1.204,01 | PC747  | PC748  |
| PL755  | PEHD DN 75    | 66,00  | 460,58   | PC748  | PC749  |
| PL756  | PVC DN 110    | 101,60 | 1.196,06 | PC750  | PC752  |
| PL757  | PEHD DN 63    | 55,40  | 89,28    | PC752  | PC753  |
| PL758  | PVC DN 110    | 101,60 | 144,35   | PC754  | PC752  |
| PL759  | PVC DN 110    | 101,60 | 425,53   | PC747  | PC755  |
| PL76   | PEHD DN 32    | 28,20  | 63,36    | PC76   | PC75   |
| PL760  | PVC DN 110    | 101,60 | 1.001,48 | PC755  | PC756  |
| PL761  | PVC DN 225    | 207,88 | 2.904,91 | PC735  | PC757A |
| PL762  | DUCTIL DN 300 | 300,00 | 610,59   | PC757  | PC758  |
| PL763  | PVC DN 225    | 207,80 | 236,74   | PC766  | PC758  |
| PL764  | DUCTIL DN 300 | 300,00 | 142,05   | PC758  | PC759  |
| PL765  | PVC DN 110    | 101,60 | 253,76   | PC759  | PC760  |
| PL766  | PVC DN 110    | 101,60 | 88,81    | PC760  | PC761  |
| PL767  | PVC DN 110    | 101,60 | 73,50    | PC762  | PC760  |
| PL768  | PVC DN 110    | 101,60 | 176,70   | PC762  | PC763  |
| PL769  | PVC DN 110    | 101,60 | 453,11   | PC764  | PC762  |
| PL77   | PEHD DN 110   | 96,80  | 206,20   | PC75   | PC77   |
| PL770  | DUCTIL DN 300 | 300,00 | 417,27   | PC759  | PC765  |
| PL771  | DUCTIL DN 300 | 300,00 | 834,93   | PC718  | PC765  |
| PL772  | PVC DN 225    | 207,80 | 198,60   | PC766  | PC767  |
| PL773  | PVC DN 225    | 207,80 | 367,07   | PC767  | PC768  |
| PL774  | PVC DN 110    | 101,60 | 94,51    | PC768  | PC769  |
| PL775  | PVC DN 110    | 101,60 | 456,89   | PC769  | PC767  |
| PL776  | PVC DN 110    | 101,60 | 278,12   | PC769  | PC770  |
| PL777  | PEHD DN 110   | 96,80  | 480,69   | PC766  | PC770  |
| PL778  | PVC DN 160    | 147,60 | 366,41   | PC771  | PC768  |
| PL779  | PVC DN 160    | 147,60 | 623,82   | PC771A | PC772  |
| PL78   | PEHD DN 110   | 96,80  | 225,44   | PC74   | PC78   |
| PL780  | PVC DN 160    | 147,60 | 8,94     | PC773  | PC772  |
| PL781  | PVC DN 110    | 101,60 | 668,32   | PC773  | PC774  |
| PL782  | PVC DN 110    | 101,60 | 147,65   | PC772  | PC775  |
| PL783  | PVC DN 110    | 101,60 | 262,06   | PC776  | PC775  |
| PL784  | PVC DN 110    | 101,60 | 432,22   | PC775  | PC777  |
| PL785  | PVC DN 160    | 147,60 | 111,14   | PC778  | PC773  |
| PL786  | PVC DN 110    | 101,60 | 225,71   | PC779  | PC778  |
| PL787  | PVC DN 160    | 147,60 | 186,30   | PC780  | PC778  |
| PL788  | PVC DN 110    | 101,60 | 220,30   | PC781  | PC780  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>126/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL789  | PVC DN 110  | 101,60 | 173,32   | PC782  | PC780  |
| PL79   | PEHD DN 110 | 96,80  | 70,12    | PC79   | PC78   |
| PL790  | PVC DN 160  | 147,60 | 753,63   | PC780  | PC783  |
| PL791  | PVC DN 160  | 147,60 | 186,27   | PC783  | PC784  |
| PL792  | PVC DN 160  | 147,60 | 502,16   | PC785  | PC784  |
| PL793  | PEHD DN 40  | 35,20  | 75,84    | PC785  | PC786  |
| PL794  | PVC DN 160  | 147,60 | 13,23    | PC787  | PC785  |
| PL795  | PEHD DN 40  | 35,20  | 95,01    | PC787  | PC788  |
| PL796  | PVC DN 110  | 101,60 | 356,28   | PC789  | PC787  |
| PL797  | PVC DN 110  | 101,60 | 182,66   | PC789  | PC790  |
| PL798  | PEHD DN 25  | 21,40  | 83,70    | PC790  | PC791  |
| PL799  | PVC DN 110  | 101,60 | 203,13   | PC790  | PC792  |
| PL7A   | PEHD DN 50  | 44,00  | 223,67   | PC7A   | PC8    |
| PL8    | PEHD DN 50  | 44,00  | 38,00    | PC8A   | PC9    |
| PL80   | PEHD DN 110 | 96,80  | 264,76   | PC78   | PC80   |
| PL800  | PVC DN 110  | 101,60 | 431,22   | PC789  | PC793  |
| PL801  | PVC DN 110  | 101,60 | 81,64    | PC793  | PC794  |
| PL802  | PVC DN 110  | 101,60 | 493,92   | PC793  | PC795  |
| PL803  | PVC DN 110  | 101,60 | 608,98   | PC796  | PC789  |
| PL804  | PVC DN 110  | 101,60 | 533,28   | PC797  | PC796A |
| PL805  | PVC DN 110  | 101,60 | 1.406,01 | PC745  | PC797  |
| PL806  | PVC DN 110  | 101,60 | 344,95   | PC743  | PC798  |
| PL807  | PVC DN 110  | 101,60 | 372,62   | PC798  | PC799  |
| PL808  | PEHD DN 63  | 55,40  | 17,91    | PC800  | PC801  |
| PL809  | PEHD DN 63  | 55,40  | 488,04   | PC802  | PC801  |
| PL81   | PEHD DN 110 | 96,80  | 421,44   | PC73   | PC81   |
| PL810  | PVC DN 315  | 290,80 | 504,23   | PC800  | PC803  |
| PL811  | PVC DN 110  | 101,60 | 243,72   | PC803  | PC804  |
| PL812  | PVC DN 110  | 101,60 | 224,19   | PC803  | PC805  |
| PL813  | PEHD DN 63  | 55,40  | 4,41     | PC798  | PC806  |
| PL813A | PVC DN 315  | 290,80 | 34,52    | PC798  | PC800  |
| PL814  | PVC DN 315  | 290,80 | 322,51   | PC798  | PC808  |
| PL814A | PEHD DN 63  | 55,40  | 292,87   | PC806  | PC807  |
| PL815  | PVC DN 315  | 290,80 | 9,84     | PC808  | PC809  |
| PL816  | PVC DN 315  | 290,80 | 298,06   | PC809  | PC812  |
| PL816A | PEHD DN 63  | 55,40  | 25,06    | PC809  | PC810  |
| PL816B | PEHD DN 63  | 55,40  | 272,06   | PC810  | PC811  |
| PL817  | PVC DN 110  | 101,60 | 683,41   | PC808  | PC813  |
| PL818  | PVC DN 110  | 101,60 | 643,73   | PC813A | PC814  |
| PL819  | PVC DN 110  | 101,60 | 970,59   | PC812  | PC815  |
| PL82   | PEHD DN 110 | 96,80  | 132,95   | PC81   | PC81B  |
| PL820  | PVC DN 315  | 290,80 | 166,41   | PC812  | PC817  |
| PL820A | PEHD DN 63  | 55,40  | 166,10   | PC817  | PC816  |
| PL821  | PVC DN 110  | 101,60 | 190,42   | PC817  | PC818  |
| PL822  | PVC DN 110  | 101,60 | 310,59   | PC818  | PC819  |
| PL823  | PEHD DN 63  | 55,40  | 114,84   | PC819  | PC820  |
| PL824  | PEHD DN 63  | 55,40  | 68,88    | PC820  | PC821  |
| PL825  | PEHD DN 63  | 55,40  | 9,35     | PC820  | PC822  |
| PL826  | PVC DN 110  | 101,60 | 84,80    | PC819  | PC823  |

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                  |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing.građ. |                   |          |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>127/512     |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|       |             |        |        |        |        |
|-------|-------------|--------|--------|--------|--------|
| PL827 | PVC DN 110  | 101,60 | 646,50 | PC818  | PC824A |
| PL828 | PVC DN 110  | 101,60 | 602,39 | PC824  | PC825  |
| PL829 | PVC DN 160  | 147,60 | 41,74  | PC826  | PC817  |
| PL82A | PEHD DN 110 | 96,80  | 448,78 | PC81A  | PC82   |
| PL83  | PEHD DN 110 | 96,80  | 560,61 | PC81   | PC83   |
| PL830 | PVC DN 160  | 147,60 | 303,87 | PC827  | PC826  |
| PL831 | PVC DN 160  | 147,60 | 228,24 | PC827A | PC828  |
| PL832 | PVC DN 160  | 147,60 | 923,53 | PC828  | PC829  |
| PL833 | PVC DN 110  | 101,60 | 141,61 | PC829  | PC830  |
| PL834 | PVC DN 110  | 101,60 | 240,45 | PC830  | PC831  |
| PL835 | PVC DN 110  | 101,60 | 182,89 | PC830  | PC832  |
| PL836 | PVC DN 110  | 101,60 | 182,89 | PC832  | PC833  |
| PL837 | PVC DN 110  | 101,60 | 594,95 | PC834  | PC833  |
| PL838 | PVC DN 110  | 101,60 | 227,78 | PC834  | PC835  |
| PL839 | PVC DN 110  | 101,60 | 180,20 | PC834  | PC836  |
| PL84  | PEHD DN 110 | 96,80  | 223,66 | PC84   | PC83   |
| PL840 | PVC DN 110  | 101,60 | 201,88 | PC834  | PC837  |
| PL841 | PVC DN 110  | 101,60 | 151,50 | PC837  | PC838  |
| PL842 | PVC DN 110  | 101,60 | 72,78  | PC837  | PC839  |
| PL843 | PVC DN 110  | 101,60 | 60,74  | PC829  | PC840  |
| PL844 | PVC DN 110  | 101,60 | 331,28 | PC840  | PC841  |
| PL845 | PVC DN 110  | 101,60 | 264,86 | PC840  | PC842  |
| PL846 | PEHD DN 50  | 44,00  | 52,43  | PC842  | PC843  |
| PL847 | PVC DN 110  | 101,60 | 24,61  | PC842  | PC844  |
| PL848 | PVC DN 110  | 101,60 | 37,80  | PC844  | PC845  |
| PL849 | PEHD DN 50  | 44,00  | 30,94  | PC845  | PC846  |
| PL85  | PEHD DN 110 | 96,80  | 456,28 | PC83   | PC83B  |
| PL850 | PVC DN 110  | 101,60 | 123,40 | PC845  | PC847  |
| PL851 | PVC DN 110  | 101,60 | 211,89 | PC848  | PC844  |
| PL852 | PVC DN 110  | 101,60 | 324,27 | PC848  | PC849  |
| PL853 | PVC DN 110  | 101,60 | 67,44  | PC848  | PC850  |
| PL854 | PEHD DN 50  | 44,00  | 97,08  | PC850  | PC851  |
| PL858 | PVC DN 110  | 101,60 | 138,19 | PC850  | PC852  |
| PL859 | PEHD DN 32  | 28,20  | 87,29  | PC852  | PC853  |
| PL85A | PEHD DN 110 | 96,80  | 535,91 | PC83A  | PC85   |
| PL86  | PEHD DN 110 | 96,80  | 150,33 | PC85   | PC86   |
| PL860 | PEHD DN 50  | 44,00  | 161,50 | PC852  | PC854  |
| PL861 | PEHD DN 110 | 96,80  | 319,72 | PC854  | PC855  |
| PL862 | PVC DN 110  | 101,60 | 101,33 | PC833  | PC855  |
| PL863 | PVC DN 110  | 101,60 | 333,81 | PC832  | PC848  |
| PL864 | PEHD DN 315 | 277,60 | 285,81 | PC857  | PC856  |
| PL865 | PEHD DN 110 | 96,80  | 492,58 | PC858A | PC859  |
| PL866 | PEHD DN 315 | 277,60 | 221,93 | PC860  | PC856  |
| PL867 | PEHD DN 315 | 277,60 | 139,62 | PC861  | PC857  |
| PL869 | PVC DN 110  | 101,60 | 140,33 | PC858A | PC862  |
| PL87  | PEHD DN 110 | 96,80  | 285,92 | PC85   | PC87   |
| PL870 | PVC DN 110  | 101,60 | 601,68 | PC862  | PC863  |
| PL871 | PVC DN 160  | 147,60 | 412,46 | PC862  | PC864  |
| PL872 | PEHD DN 110 | 96,80  | 584,59 | PC864  | PC865  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>128/512     |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11.2009. |

|        |             |        |        |        |       |
|--------|-------------|--------|--------|--------|-------|
| PL873  | PEHD DN 110 | 96,80  | 233,38 | PC865  | PC866 |
| PL874  | PEHD DN 110 | 96,80  | 169,12 | PC865  | PC867 |
| PL875  | PVC DN 110  | 101,60 | 152,32 | PC864  | PC868 |
| PL876  | PVC DN 110  | 101,60 | 334,34 | PC868  | PC869 |
| PL877  | PVC DN 110  | 101,60 | 297,54 | PC868  | PC870 |
| PL878  | PVC DN 110  | 101,60 | 47,14  | PC871  | PC872 |
| PL879  | PEHD DN 63  | 55,40  | 452,85 | PC872  | PC873 |
| PL88   | PVC DN 160  | 147,60 | 966,78 | PC88   | PC48  |
| PL880  | PVC DN 160  | 147,60 | 467,35 | PC864  | PC874 |
| PL881  | PVC DN 110  | 101,60 | 863,49 | PC874  | PC875 |
| PL882  | PVC DN 160  | 147,60 | 338,65 | PC874  | PC876 |
| PL883  | PVC DN 160  | 147,60 | 489,95 | PC876  | PC877 |
| PL884  | PVC DN 160  | 147,60 | 125,96 | PC877  | PC878 |
| PL885  | PEHD DN 110 | 96,80  | 800,76 | PC878  | PC879 |
| PL886  | PEHD DN 110 | 96,80  | 473,73 | PC879  | PC880 |
| PL887  | PEHD DN 110 | 96,80  | 338,08 | PC879  | PC881 |
| PL888  | PEHD DN 63  | 55,40  | 126,94 | PC882  | PC883 |
| PL888A | PEHD DN 90  | 79,20  | 565,94 | PC877  | PC882 |
| PL889  | PEHD DN 63  | 55,40  | 2,57   | PC883  | PC884 |
| PL89   | PVC DN 110  | 101,20 | 714,65 | PC88   | PC88A |
| PL890  | PEHD DN 63  | 55,40  | 397,02 | PC884  | PC885 |
| PL891  | PEHD DN 90  | 79,20  | 497,85 | PC882A | PC886 |
| PL892  | PEHD DN 90  | 79,20  | 731,13 | PC886  | PC887 |
| PL893  | PEHD DN 63  | 55,40  | 391,69 | PC888  | PC889 |
| PL894  | PEHD DN 63  | 55,40  | 71,16  | PC888  | PC890 |
| PL895  | PEHD DN 63  | 55,40  | 27,78  | PC890  | PC891 |
| PL896  | PEHD DN 40  | 35,20  | 23,95  | PC891  | PC892 |
| PL897  | PEHD DN 50  | 44,00  | 52,57  | PC891  | PC893 |
| PL898  | PEHD DN 63  | 55,40  | 302,81 | PC887  | PC888 |
| PL899  | PEHD DN 90  | 79,20  | 249,19 | PC887  | PC894 |
| PL89A  | PVC DN 110  | 101,20 | 515,15 | PC88B  | PC89  |
| PL9    | PEHD DN 40  | 35,20  | 17,49  | PC8    | PC10  |
| PL90   | PVC DN 160  | 147,60 | 228,18 | PC90   | PC88  |
| PL900  | PEHD DN 90  | 79,20  | 106,96 | PC896  | PC898 |
| PL901  | PEHD DN 90  | 79,20  | 500,61 | PC895  | PC897 |
| PL902  | PEHD DN 50  | 44,00  | 344,51 | PC898  | PC899 |
| PL903  | PEHD DN 50  | 44,00  | 32,84  | PC899  | PC900 |
| PL904  | PEHD DN 50  | 44,00  | 268,17 | PC899  | PC901 |
| PL905  | PEHD DN 50  | 44,00  | 46,82  | PC901  | PC903 |
| PL906  | PEHD DN 50  | 44,00  | 89,64  | PC901  | PC902 |
| PL907  | PEHD DN 40  | 35,20  | 475,87 | PC898  | PC904 |
| PL908  | PEHD DN 90  | 79,20  | 536,58 | PC897  | PC905 |
| PL909  | PVC DN 110  | 101,60 | 931,87 | PC876  | PC906 |
| PL91   | PEHD DN 110 | 96,80  | 182,23 | PC90   | PC91  |
| PL910  | PVC DN 110  | 101,60 | 493,87 | PC906  | PC907 |
| PL911  | PVC DN 110  | 101,60 | 516,54 | PC908  | PC909 |
| PL912  | PEHD DN 75  | 66,00  | 32,04  | PC910  | PC911 |
| PL913  | PEHD DN 63  | 55,40  | 169,31 | PC912  | PC913 |
| PL914  | PEHD DN 63  | 55,40  | 243,55 | PC911  | PC914 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>129/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |             |        |          |        |        |
|--------|-------------|--------|----------|--------|--------|
| PL915  | PEHD DN 110 | 96,80  | 188,75   | PC910  | PC915  |
| PL916  | PEHD DN 110 | 96,80  | 595,63   | PC906  | PC910  |
| PL916A | PEHD DN 63  | 55,40  | 234,32   | PC916  | PC917  |
| PL917  | PEHD DN 110 | 96,80  | 83,71    | PC915  | PC918  |
| PL919  | PEHD DN 110 | 96,80  | 267,39   | PC920  | PC919  |
| PL92   | PEHD DN 110 | 96,80  | 282,65   | PC91A  | PC92   |
| PL920  | PEHD DN 110 | 96,80  | 178,16   | PC919  | PC921  |
| PL921  | PEHD DN 63  | 55,40  | 162,38   | PC921  | PC922  |
| PL922  | PEHD DN 110 | 96,80  | 362,23   | PC923  | PC921  |
| PL923  | PEHD DN 110 | 96,80  | 385,21   | PC918  | PC924A |
| PL924  | PEHD DN 110 | 96,80  | 487,29   | PC924B | PC924  |
| PL925  | PVC DN 110  | 101,60 | 595,16   | PC925  | PC926  |
| PL926  | PVC DN 110  | 101,60 | 198,23   | PC926  | PC927  |
| PL927  | PVC DN 160  | 147,60 | 21,07    | PC984  | PC926A |
| PL928  | PVC DN 160  | 147,60 | 299,64   | PC926A | PC928  |
| PL929  | PVC DN 160  | 147,60 | 500,13   | PC928  | PC929  |
| PL93   | PVC DN 160  | 147,60 | 1.240,70 | PC93   | PC90   |
| PL930  | PVC DN 160  | 147,60 | 459,93   | PC929  | PC930  |
| PL931  | PEHD DN 63  | 55,40  | 53,08    | PC930  | PC931  |
| PL932  | PVC DN 160  | 147,60 | 359,73   | PC930  | PC932  |
| PL933  | PVC DN 110  | 55,40  | 101,32   | PC932  | PC933  |
| PL934  | PVC DN 160  | 147,60 | 45,01    | PC932  | PC934  |
| PL935  | PVC DN 160  | 147,60 | 341,98   | PC934  | PC935  |
| PL936  | PVC DN 110  | 101,60 | 396,16   | PC935  | PC936  |
| PL937  | PVC DN 110  | 101,60 | 327,18   | PC935  | PC937A |
| PL938  | PVC DN 110  | 101,60 | 83,71    | PC937B | PC937  |
| PL939  | PVC DN 110  | 101,60 | 310,40   | PC937  | PC938  |
| PL93A  | PVC DN 160  | 147,60 | 142,47   | PC108  | PC93   |
| PL93B  | PVC DN 110  | 101,60 | 405,41   | PC93   | PC94   |
| PL940  | PVC DN 110  | 101,60 | 86,17    | PC938  | PC939  |
| PL941  | PVC DN 110  | 101,60 | 254,68   | PC938  | PC940  |
| PL942  | PVC DN 110  | 101,60 | 536,64   | PC940  | PC941  |
| PL943  | PVC DN 110  | 101,60 | 75,60    | PC940  | PC942  |
| PL944  | PVC DN 110  | 101,60 | 266,91   | PC942  | PC943  |
| PL945  | PVC DN 110  | 101,60 | 434,62   | PC942  | PC944  |
| PL946  | PVC DN 110  | 101,60 | 624,21   | PC937  | PC945  |
| PL947  | PVC DN 110  | 101,60 | 71,94    | PC945  | PC946  |
| PL948  | PVC DN 110  | 101,60 | 292,15   | PC945  | PC947  |
| PL949  | PVC DN 110  | 101,60 | 969,99   | PC948  | PC947A |
| PL95   | PVC DN 90   | 81,40  | 680,90   | PC94   | PC94A  |
| PL950  | PVC DN 110  | 101,60 | 743,14   | PC949A | PC948A |
| PL951  | PVC DN 110  | 101,60 | 535,14   | PC929  | PC949  |
| PL952  | PVC DN 110  | 101,60 | 288,82   | PC947  | PC950  |
| PL953  | PVC DN 110  | 101,60 | 100,67   | PC950  | PC951  |
| PL954  | PVC DN 110  | 101,60 | 553,55   | PC950  | PC952  |
| PL955  | PEHD DN 160 | 141,00 | 224,54   | PC934  | PC953  |
| PL956  | PEHD DN 160 | 141,00 | 347,79   | PC953  | PC954  |
| PL957  | PVC DN 225  | 207,80 | 1.101,99 | PC955  | PC956  |
| PL958  | PEHD DN 160 | 141,00 | 501,42   | PC956  | PC957  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>130/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                          |             |        |                     |        |        |
|--------------------------|-------------|--------|---------------------|--------|--------|
| PL959                    | PEHD DN 110 | 96,80  | 110,03              | PC957  | PC958  |
| PL95A                    | PVC DN 90   | 81,40  | 690,75              | PC94B  | PC95   |
| PL96                     | PEHD DN 90  | 79,20  | 614,62              | PC95   | PC96   |
| PL960                    | PEHD DN 110 | 96,80  | 247,92              | PC958  | PC959  |
| PL961                    | PEHD DN 110 | 96,80  | 181,87              | PC958  | PC960  |
| PL962                    | PEHD DN 110 | 96,80  | 846,72              | PC957  | PC961  |
| PL963                    | PVC DN 225  | 207,80 | 941,10              | PC956  | PC962  |
| PL964                    | PVC DN 160  | 147,60 | 397,17              | PC962  | PC963  |
| PL965                    | PVC DN 110  | 101,60 | 38,62               | PC963  | PC964  |
| PL966                    | PEHD DN 50  | 44,00  | 99,02               | PC964  | PC965  |
| PL967                    | PVC DN 110  | 101,60 | 124,23              | PC964  | PC966  |
| PL968                    | PEHD DN 63  | 55,40  | 85,11               | PC966  | PC967  |
| PL969                    | PVC DN 110  | 101,60 | 567,77              | PC963  | PC966  |
| PL97                     | PVC DN 110  | 101,60 | 220,58              | PC94   | PC97   |
| PL970                    | PVC DN 110  | 101,60 | 84,03               | PC962  | PC968  |
| PL971                    | PVC DN 110  | 101,60 | 120,40              | PC968  | PC970  |
| PL972                    | PEHD DN 63  | 55,40  | 96,98               | PC968  | PC969  |
| PL973                    | PVC DN 225  | 207,80 | 539,55              | PC962  | PC971  |
| PL974                    | PEHD DN 50  | 44,00  | 128,88              | PC971  | PC972  |
| PL975                    | PVC DN 225  | 207,80 | 150,59              | PC971  | PC973  |
| PL976                    | PEHD DN 63  | 55,40  | 129,47              | PC973  | PC974  |
| PL977                    | PVC DN 225  | 207,80 | 29,36               | PC973  | PC975  |
| PL978                    | PVC DN 110  | 101,60 | 933,11              | PC975  | PC976  |
| PL978A                   | PVC DN 110  | 101,60 | 216,38              | PC859  | PC984B |
| PL979                    | PEHD DN 63  | 55,40  | 195,46              | PC976  | PC977  |
| PL98                     | PVC DN 110  | 101,60 | 808,99              | PC97   | PC98   |
| PL980                    | PVC DN 110  | 101,60 | 716,61              | PC976  | PC978  |
| PL981                    | PVC DN 225  | 207,80 | 152,87              | PC975  | PC979  |
| PL982                    | PVC DN 160  | 147,60 | 857,51              | PC979  | PC980  |
| PL983                    | PEHD DN 90  | 79,20  | 202,39              | PC980  | PC981  |
| PL984                    | PVC DN 110  | 101,60 | 236,71              | PC980  | PC982  |
| PL985                    | PVC DN 160  | 147,60 | 1.002,65            | PC979  | PC165  |
| PL986                    | PVC DN 110  | 101,60 | 319,90              | PC165  | PC983  |
| PL987                    | PVC DN 315  | 290,80 | 216,22              | PC984  | PC860  |
| PL988                    | PVC DN 110  | 101,60 | 202,06              | PC984A | PC985  |
| PL989                    | PVC DN 110  | 101,60 | 175,82              | PC985  | PC986  |
| PL99                     | PEHD DN 63  | 55,40  | 1.008,37            | PC98A  | PC99   |
| PL990                    | PVC DN 110  | 101,60 | 447,87              | PC985  | PC987  |
| PL991                    | PVC DN 315  | 290,80 | 875,35              | PC988  | PC984  |
| PL992                    | PVC DN 110  | 101,60 | 336,35              | PC987  | PC989  |
| PL993                    | PVC DN 110  | 101,60 | 119,89              | PC987  | PC990  |
| PL994                    | PEHD DN 110 | 96,80  | 126,89              | PC990  | PC991  |
| PL995                    | PEHD DN 110 | 96,80  | 773,31              | PC992  | PC993  |
| PL996                    | PEHD DN 110 | 96,80  | 735,53              | PC995  | PC994  |
| PL997                    | PEHD DN 110 | 96,80  | 764,67              | PC997  | PC995  |
| PL998                    | PVC DN 110  | 101,60 | 54,47               | PC996A | PC998  |
| PL999                    | PEHD DN 110 | 96,80  | 568,05              | PC998  | PC999  |
| <b>UKUPNO CJEVOVODA:</b> |             |        | <b>1.047.934,93</b> |        |        |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>131/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

**TABLICA CJEVOVODA PO VRSTI I PROMJERU**

| VRSTA CJEVOVODA | NAZIVNI PROMJER DN (mm) | UNUTARNJI PROMJER (mm) | DULJINA (m)         |
|-----------------|-------------------------|------------------------|---------------------|
| a.c.            | 80                      | 80,00                  | 2.000,57            |
| a.c.            | 100                     | 100,00                 | 3.447,73            |
| a.c.            | 150                     | 150,00                 | 843,49              |
| a.c.            | 200                     | 200,00                 | 1.471,82            |
| a.c.            | 600                     | 600,00                 | 1.774,70            |
| ductil          | 200                     | 200,00                 | 332,46              |
| ductil          | 250                     | 250,40                 | 25.316,13           |
| ductil          | 300                     | 301,60                 | 23.956,13           |
| ductil          | 400                     | 402,80                 | 27.874,58           |
| ductil          | 500                     | 500,00                 | 2.950,36            |
| ductil          | 600                     | 600,00                 | 604,93              |
| l.ž.            | 100                     | 100,00                 | 1.351,47            |
| l.ž.            | 150                     | 150,00                 | 1.619,73            |
| l.ž.            | 200                     | 200,00                 | 2.830,38            |
| l.ž.            | 300                     | 300,00                 | 181,65              |
| l.ž.            | 350                     | 350,00                 | 369,23              |
| p.c.            | 90                      | 90,00                  | 100,09              |
| pehd            | 25                      | 21,40                  | 1.642,79            |
| pehd            | 32                      | 28,20                  | 3.819,39            |
| pehd            | 40                      | 35,20                  | 3.667,28            |
| pehd            | 50                      | 44,00                  | 5.615,03            |
| pehd            | 63                      | 55,40                  | 34.534,20           |
| pehd            | 75                      | 66,00                  | 8.074,94            |
| pehd            | 90                      | 79,20                  | 28.424,61           |
| pehd            | 110                     | 98,60                  | 94.955,19           |
| pehd            | 160                     | 141,00                 | 29.108,43           |
| pehd            | 225                     | 207,80                 | 29.241,20           |
| pehd            | 280                     | 246,80                 | 4.056,51            |
| pehd            | 315                     | 290,80                 | 868,32              |
| pvc             | 50                      | 45,00                  | 1.491,68            |
| pvc             | 63                      | 57,00                  | 3.713,14            |
| pvc             | 75                      | 67,80                  | 154,48              |
| pvc             | 90                      | 81,40                  | 9.115,83            |
| pvc             | 110                     | 101,60                 | 418.176,76          |
| pvc             | 125                     | 115,40                 | 806,81              |
| pvc             | 140                     | 129,60                 | 1.319,74            |
| pvc             | 160                     | 147,60                 | 149.500,01          |
| pvc             | 225                     | 207,88                 | 87.832,28           |
| pvc             | 250                     | 230,80                 | 59,39               |
| pvc             | 280                     | 258,60                 | 16.653,29           |
| pvc             | 315                     | 290,80                 | 12.547,46           |
| pvc             | 400                     | 369,20                 | 4.525,98            |
| pvc             | 500                     | 460,00                 | 1.004,75            |
| <b>UKUPNO</b>   |                         |                        | <b>1.047.934,93</b> |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>132/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

U nastavku se prilaže tablica sa podacima o čvornim opterećenjima.

| <b>TABLICA ČVOROVA – POSTOJEĆE STANJE</b> |   |   |
|---|---|---|
| <b>NAZIV ČVORA -<br/>NODE ID</b>          | <b>KOTA<br/>NIVELETE -<br/>ELEVATION<br/>(m n.m.)</b> | <b>ČVORNO<br/>OPTEREĆENJE<br/>- BASE<br/>DEMAND<br/>(l/s)</b> |
| PC1                                       | 249,70  | 0,050   |
| PC10                                      | 200,70  | 0,000   |
| PC100                                     | 261,70  | 0,050   |
| PC1000                                    | 229,70  | 0,100   |
| PC1001                                    | 201,70  | 0,100   |
| PC1001A                                   | 207,70  | 0,000   |
| PC1001B                                   | 201,70  | 0,000   |
| PC1002                                    | 214,70  | 0,100   |
| PC1003                                    | 211,70  | 0,100   |
| PC1004                                    | 212,70  | 0,000   |
| PC1005                                    | 269,70  | 0,000   |
| PC1006                                    | 248,70  | 0,100   |
| PC1007                                    | 230,70  | 0,000   |
| PC1007A                                   | 230,70  | 0,150   |
| PC1007B                                   | 230,70  | 0,000   |
| PC1008                                    | 229,70  | 0,000   |
| PC1009                                    | 225,87  | 0,000   |
| PC1009A                                   | 225,87  | 0,000   |
| PC100A                                    | 266,70  | 0,000   |
| PC100B                                    | 266,70  | 0,000   |
| PC101                                     | 238,50  | 0,000   |
| PC1010                                    | 229,70  | 0,000   |
| PC1011                                    | 225,87  | 0,000   |
| PC1012                                    | 230,70  | 0,000   |
| PC1013                                    | 230,70  | 0,000   |
| PC1014                                    | 228,83  | 0,000   |
| PC1015                                    | 292,70  | 0,000   |
| PC1016                                    | 292,70  | 0,160   |
| PC1017                                    | 273,70  | 0,000   |
| PC1018                                    | 268,70  | 0,100   |
| PC1019                                    | 264,70  | 0,100   |
| PC102                                     | 223,31  | 0,050   |
| PC1020                                    | 290,70  | 0,000   |
| PC1021                                    | 290,70  | 0,100   |
| PC1022                                    | 265,70  | 0,100   |
| PC1022A                                   | 265,70  | 0,000   |
| PC1022B                                   | 265,70  | 0,000   |
| PC1023                                    | 264,70  | 0,000   |
| PC1024                                    | 264,70  | 0,100   |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
133/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC1025  | 245,70 | 0,100 |
| PC1026  | 246,70 | 0,000 |
| PC1027  | 246,70 | 0,100 |
| PC1028  | 256,70 | 0,000 |
| PC1028A | 256,70 | 0,000 |
| PC1029  | 230,70 | 0,000 |
| PC103   | 213,57 | 0,000 |
| PC1030  | 223,70 | 0,000 |
| PC1031  | 229,70 | 0,000 |
| PC1032  | 231,70 | 0,000 |
| PC1033  | 227,70 | 0,100 |
| PC1034  | 216,70 | 0,000 |
| PC1035  | 208,70 | 0,100 |
| PC1036  | 212,70 | 0,100 |
| PC1037  | 197,70 | 0,000 |
| PC1038  | 194,70 | 0,500 |
| PC1038A | 194,70 | 0,000 |
| PC1039  | 193,70 | 0,100 |
| PC104   | 210,53 | 0,000 |
| PC1040  | 191,70 | 0,000 |
| PC1041  | 191,70 | 2,000 |
| PC1042  | 191,70 | 0,000 |
| PC1043  | 191,70 | 0,000 |
| PC1044  | 190,70 | 0,200 |
| PC1045  | 184,70 | 0,000 |
| PC1046  | 190,70 | 0,200 |
| PC1047  | 189,70 | 0,000 |
| PC1048  | 189,70 | 0,000 |
| PC1049  | 191,70 | 0,200 |
| PC105   | 242,90 | 0,000 |
| PC1050  | 191,70 | 0,160 |
| PC1051  | 192,70 | 0,000 |
| PC1052  | 190,70 | 0,200 |
| PC1053  | 189,70 | 0,200 |
| PC1054  | 190,70 | 0,000 |
| PC1055  | 190,70 | 0,200 |
| PC1056  | 190,70 | 0,200 |
| PC1057  | 194,70 | 0,050 |
| PC1058  | 211,70 | 0,000 |
| PC1059  | 204,70 | 0,100 |
| PC106   | 249,95 | 0,050 |
| PC1060  | 195,70 | 0,000 |
| PC1060A | 195,70 | 0,000 |
| PC1061  | 196,70 | 0,050 |
| PC1062  | 194,70 | 0,000 |
| PC1063  | 193,70 | 0,000 |
| PC1065  | 174,42 | 0,100 |
| PC1066  | 174,70 | 0,100 |
| PC1067  | 174,32 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>134/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1068 | 179,70 | 0,000 |
| PC1069 | 171,70 | 0,000 |
| PC107  | 227,97 | 0,050 |
| PC1070 | 169,70 | 0,000 |
| PC1071 | 169,70 | 0,100 |
| PC1072 | 170,70 | 0,000 |
| PC1073 | 170,70 | 0,100 |
| PC1074 | 167,70 | 0,100 |
| PC1075 | 169,70 | 0,000 |
| PC1076 | 169,70 | 0,100 |
| PC1077 | 167,70 | 0,000 |
| PC1078 | 167,70 | 0,100 |
| PC1079 | 164,70 | 0,000 |
| PC108  | 296,70 | 0,000 |
| PC1080 | 169,70 | 0,000 |
| PC1081 | 169,70 | 0,100 |
| PC1082 | 169,70 | 0,000 |
| PC1083 | 170,70 | 0,100 |
| PC1084 | 170,70 | 0,100 |
| PC1085 | 162,70 | 0,000 |
| PC1086 | 166,70 | 0,100 |
| PC1087 | 162,70 | 0,000 |
| PC1088 | 162,70 | 0,150 |
| PC1089 | 162,70 | 0,000 |
| PC109  | 280,70 | 0,000 |
| PC1090 | 169,70 | 0,000 |
| PC1091 | 169,70 | 0,100 |
| PC1092 | 173,70 | 0,100 |
| PC1093 | 172,70 | 0,100 |
| PC1094 | 171,70 | 0,000 |
| PC1095 | 168,70 | 0,100 |
| PC1096 | 171,70 | 0,000 |
| PC1097 | 173,70 | 0,100 |
| PC1098 | 170,70 | 0,100 |
| PC1099 | 173,70 | 0,100 |
| PC109A | 278,70 | 0,000 |
| PC109B | 291,70 | 0,000 |
| PC109C | 291,70 | 0,000 |
| PC11   | 205,70 | 0,000 |
| PC110  | 275,70 | 0,050 |
| PC1100 | 184,70 | 0,100 |
| PC1101 | 176,70 | 0,100 |
| PC1102 | 181,70 | 0,000 |
| PC1103 | 190,70 | 0,100 |
| PC1104 | 179,70 | 0,000 |
| PC1105 | 182,70 | 0,200 |
| PC1106 | 176,70 | 0,000 |
| PC1107 | 173,70 | 0,200 |
| PC1108 | 178,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>135/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1109 | 178,70 | 0,000 |
| PC111  | 247,70 | 0,050 |
| PC1110 | 177,70 | 0,200 |
| PC1111 | 177,70 | 0,200 |
| PC1112 | 179,70 | 0,000 |
| PC1113 | 178,70 | 0,200 |
| PC1114 | 179,70 | 0,200 |
| PC1115 | 182,70 | 0,000 |
| PC1116 | 180,70 | 0,000 |
| PC1117 | 180,70 | 0,190 |
| PC1118 | 176,70 | 0,200 |
| PC1119 | 176,70 | 0,000 |
| PC112  | 283,70 | 0,050 |
| PC1120 | 176,70 | 0,000 |
| PC1121 | 174,70 | 0,200 |
| PC1122 | 172,70 | 0,000 |
| PC1123 | 172,70 | 0,000 |
| PC1124 | 174,70 | 0,200 |
| PC1125 | 172,70 | 0,000 |
| PC1126 | 182,70 | 0,000 |
| PC1127 | 172,70 | 0,000 |
| PC1128 | 172,70 | 0,000 |
| PC1129 | 169,70 | 0,000 |
| PC113  | 246,70 | 0,000 |
| PC1130 | 169,70 | 0,100 |
| PC1131 | 168,70 | 0,200 |
| PC1132 | 168,70 | 0,000 |
| PC1133 | 169,70 | 0,000 |
| PC1134 | 167,70 | 0,200 |
| PC1135 | 170,70 | 0,000 |
| PC1136 | 172,70 | 0,000 |
| PC1137 | 167,70 | 0,000 |
| PC1138 | 165,70 | 0,050 |
| PC1139 | 167,70 | 0,000 |
| PC114  | 235,70 | 0,050 |
| PC1140 | 165,70 | 0,050 |
| PC1141 | 164,70 | 0,000 |
| PC1142 | 161,70 | 0,000 |
| PC1143 | 166,70 | 0,100 |
| PC1144 | 161,70 | 0,180 |
| PC1145 | 163,70 | 0,000 |
| PC1146 | 168,70 | 0,100 |
| PC1147 | 166,70 | 0,100 |
| PC1148 | 169,70 | 0,100 |
| PC1149 | 164,70 | 0,100 |
| PC115  | 262,70 | 0,000 |
| PC1150 | 164,70 | 0,000 |
| PC1151 | 163,70 | 0,100 |
| PC1152 | 163,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |   |
|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>136/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC1153 | 162,70 | 0,100 |
| PC1154 | 162,70 | 0,100 |
| PC1155 | 163,70 | 0,000 |
| PC1156 | 160,55 | 0,100 |
| PC1157 | 161,70 | 0,100 |
| PC1158 | 160,70 | 0,000 |
| PC1159 | 161,70 | 0,100 |
| PC115A | 262,70 | 0,000 |
| PC116  | 306,70 | 0,000 |
| PC1160 | 161,70 | 0,000 |
| PC1161 | 159,70 | 0,000 |
| PC1162 | 159,70 | 0,100 |
| PC1163 | 159,70 | 0,070 |
| PC1164 | 159,70 | 0,000 |
| PC1165 | 159,70 | 0,000 |
| PC1166 | 160,70 | 0,000 |
| PC1168 | 159,70 | 0,050 |
| PC1169 | 158,70 | 0,050 |
| PC117  | 296,70 | 0,000 |
| PC1170 | 159,70 | 0,000 |
| PC1171 | 160,70 | 0,050 |
| PC1172 | 161,70 | 0,000 |
| PC1173 | 160,70 | 0,110 |
| PC1174 | 160,70 | 0,000 |
| PC1175 | 160,70 | 0,100 |
| PC1176 | 159,70 | 0,100 |
| PC1177 | 161,70 | 0,000 |
| PC1178 | 164,70 | 0,000 |
| PC1179 | 163,70 | 0,000 |
| PC118  | 295,70 | 0,050 |
| PC1180 | 166,70 | 0,000 |
| PC1181 | 161,70 | 0,050 |
| PC1182 | 161,70 | 0,000 |
| PC1183 | 161,70 | 0,000 |
| PC1184 | 161,70 | 0,000 |
| PC1185 | 161,70 | 0,050 |
| PC1186 | 161,70 | 0,000 |
| PC1187 | 161,70 | 0,000 |
| PC1188 | 164,70 | 0,050 |
| PC1189 | 162,70 | 0,050 |
| PC119  | 261,70 | 0,050 |
| PC1190 | 162,70 | 0,000 |
| PC1191 | 162,70 | 0,050 |
| PC1192 | 162,70 | 0,000 |
| PC1193 | 156,70 | 0,000 |
| PC1194 | 156,70 | 0,050 |
| PC1195 | 156,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>137/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1196 | 154,70 | 0,050 |
| PC1197 | 154,70 | 0,050 |
| PC1198 | 154,70 | 0,000 |
| PC1199 | 154,70 | 0,050 |
| PC12   | 203,70 | 0,050 |
| PC120  | 305,70 | 0,050 |
| PC1200 | 199,70 | 0,100 |
| PC1201 | 199,70 | 0,000 |
| PC1202 | 199,70 | 0,100 |
| PC1203 | 192,70 | 0,000 |
| PC1204 | 193,70 | 0,000 |
| PC1205 | 193,70 | 0,000 |
| PC1206 | 193,70 | 0,060 |
| PC1207 | 193,70 | 0,100 |
| PC1208 | 191,70 | 0,100 |
| PC1209 | 183,70 | 0,000 |
| PC121  | 273,70 | 0,000 |
| PC1210 | 183,70 | 0,000 |
| PC1211 | 185,70 | 0,100 |
| PC1212 | 188,70 | 0,100 |
| PC1213 | 188,70 | 0,100 |
| PC1214 | 189,70 | 0,100 |
| PC1215 | 195,70 | 0,000 |
| PC1216 | 196,70 | 0,000 |
| PC1217 | 196,70 | 0,000 |
| PC1218 | 198,70 | 0,100 |
| 1      | 260,00 | 0,000 |
| PC1219 | 194,70 | 0,100 |
| PC121A | 273,70 | 0,000 |
| PC122  | 223,70 | 0,000 |
| PC1220 | 191,70 | 0,000 |
| PC1221 | 191,70 | 0,000 |
| PC1222 | 191,70 | 0,000 |
| PC1223 | 191,70 | 0,000 |
| PC1224 | 191,70 | 0,000 |
| PC1225 | 191,70 | 0,000 |
| PC1226 | 190,70 | 0,000 |
| PC1227 | 191,70 | 0,000 |
| PC1228 | 191,70 | 0,050 |
| PC1229 | 191,70 | 0,000 |
| PC122A | 223,70 | 0,000 |
| PC123  | 193,70 | 0,050 |
| PC1230 | 191,70 | 0,000 |
| PC1231 | 190,70 | 0,050 |
| PC1233 | 190,70 | 0,000 |
| PC1234 | 193,70 | 0,500 |
| PC1235 | 190,70 | 0,500 |
| PC1236 | 186,70 | 0,500 |
| PC1237 | 181,70 | 0,500 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
138/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1238 | 195,70 | 0,500 |
| PC1239 | 186,70 | 0,000 |
| PC124  | 306,70 | 0,000 |
| PC1240 | 187,70 | 0,200 |
| PC1241 | 189,70 | 0,000 |
| PC1242 | 190,70 | 0,200 |
| PC1243 | 193,70 | 0,000 |
| PC1244 | 193,70 | 0,000 |
| PC1245 | 197,70 | 0,000 |
| PC1246 | 183,70 | 0,000 |
| PC1247 | 179,70 | 0,230 |
| PC1248 | 181,81 | 0,000 |
| PC1249 | 181,81 | 0,200 |
| PC125  | 266,70 | 0,000 |
| PC1250 | 183,70 | 0,000 |
| PC1251 | 181,81 | 0,000 |
| PC1252 | 183,70 | 0,000 |
| PC1253 | 187,70 | 0,000 |
| PC1254 | 187,39 | 1,000 |
| PC1255 | 187,39 | 0,000 |
| PC1257 | 187,70 | 0,000 |
| PC1258 | 189,70 | 0,200 |
| PC1259 | 189,70 | 0,000 |
| PC125A | 269,70 | 0,000 |
| PC125B | 271,70 | 0,050 |
| PC126  | 260,70 | 0,000 |
| PC1260 | 193,70 | 0,000 |
| PC1261 | 193,70 | 0,200 |
| PC1262 | 192,17 | 0,200 |
| PC1263 | 192,70 | 0,000 |
| PC1264 | 191,70 | 0,000 |
| PC1265 | 190,70 | 0,200 |
| PC1266 | 190,70 | 0,200 |
| PC1267 | 194,70 | 0,200 |
| PC1268 | 192,70 | 0,000 |
| PC1269 | 191,70 | 0,000 |
| PC126A | 266,70 | 0,050 |
| PC127  | 265,70 | 0,050 |
| PC1270 | 191,70 | 0,200 |
| PC1271 | 190,59 | 0,000 |
| PC1272 | 194,03 | 0,200 |
| PC1273 | 191,70 | 0,400 |
| PC1274 | 191,70 | 0,000 |
| PC1275 | 191,70 | 0,000 |
| PC1276 | 191,70 | 0,200 |
| PC1277 | 189,70 | 0,000 |
| PC1278 | 188,70 | 0,000 |
| PC1279 | 188,70 | 0,200 |
| PC128  | 246,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. grad. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
139/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1280 | 171,70 | 0,000 |
| PC1281 | 172,70 | 0,000 |
| PC1282 | 172,70 | 0,200 |
| PC1283 | 194,70 | 0,200 |
| PC1284 | 175,70 | 0,000 |
| PC1285 | 170,70 | 0,000 |
| PC1286 | 170,70 | 0,200 |
| PC1287 | 177,70 | 0,000 |
| PC1288 | 171,70 | 0,190 |
| PC1289 | 172,70 | 0,000 |
| PC129  | 271,70 | 0,000 |
| PC1291 | 169,70 | 0,000 |
| PC1292 | 169,70 | 0,200 |
| PC1293 | 169,70 | 0,000 |
| PC1294 | 169,70 | 0,200 |
| PC1295 | 169,70 | 0,000 |
| PC1296 | 169,70 | 0,000 |
| PC1297 | 169,70 | 0,200 |
| PC1298 | 169,70 | 0,000 |
| PC1299 | 169,70 | 0,200 |
| PC13   | 299,70 | 0,000 |
| PC130  | 269,70 | 0,050 |
| PC1300 | 169,70 | 0,000 |
| PC1301 | 169,70 | 0,200 |
| PC1302 | 169,70 | 0,000 |
| PC1303 | 169,70 | 0,200 |
| PC1304 | 169,70 | 0,200 |
| PC1305 | 169,70 | 0,000 |
| PC1306 | 169,70 | 0,000 |
| PC1307 | 170,70 | 0,000 |
| PC1308 | 170,70 | 0,000 |
| PC1309 | 170,70 | 0,200 |
| PC131  | 258,70 | 0,000 |
| PC1310 | 169,70 | 0,200 |
| PC1311 | 169,70 | 0,200 |
| PC1312 | 169,70 | 0,200 |
| PC1313 | 169,70 | 0,200 |
| PC1314 | 170,70 | 0,000 |
| PC1315 | 170,70 | 0,000 |
| PC1316 | 169,70 | 0,000 |
| PC1317 | 168,70 | 0,000 |
| PC1318 | 166,23 | 0,200 |
| PC1319 | 168,70 | 0,000 |
| PC131A | 258,70 | 0,000 |
| PC131B | 258,70 | 0,000 |
| PC132  | 270,70 | 0,050 |
| PC1320 | 166,70 | 0,200 |
| PC1321 | 166,59 | 0,000 |
| PC1322 | 168,09 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>140/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC1323  | 186,96 | 0,200 |
| PC13242 | 166,70 | 0,000 |
| PC1325  | 165,70 | 0,200 |
| PC1326  | 166,70 | 0,000 |
| PC1327  | 166,70 | 0,200 |
| PC1328  | 169,70 | 0,000 |
| PC1329  | 169,70 | 0,000 |
| PC133   | 221,20 | 0,000 |
| PC1330  | 168,70 | 0,200 |
| PC1331  | 190,70 | 0,200 |
| PC1332  | 190,70 | 0,000 |
| PC1333  | 187,70 | 0,000 |
| PC1334  | 189,70 | 0,000 |
| PC1335  | 192,70 | 0,200 |
| PC1336  | 190,70 | 0,200 |
| PC1337  | 191,70 | 0,200 |
| PC1338  | 191,70 | 0,200 |
| PC1339  | 191,70 | 0,000 |
| PC134   | 218,74 | 0,050 |
| PC1340  | 192,70 | 0,120 |
| PC1341  | 188,70 | 0,200 |
| PC1342  | 187,70 | 0,200 |
| PC1343  | 185,70 | 0,200 |
| PC1344  | 194,70 | 0,200 |
| PC1345  | 198,70 | 0,200 |
| PC1346  | 194,70 | 0,200 |
| PC1347  | 198,70 | 0,200 |
| PC1348  | 199,70 | 0,300 |
| PC1349  | 204,70 | 0,000 |
| PC135   | 229,20 | 0,500 |
| PC1350  | 201,70 | 0,000 |
| PC1351  | 198,70 | 0,300 |
| PC1352  | 198,70 | 0,300 |
| PC1353  | 204,70 | 0,000 |
| PC1354  | 210,70 | 0,300 |
| PC1355  | 202,70 | 0,000 |
| PC1356  | 199,70 | 0,300 |
| PC1357  | 198,70 | 0,000 |
| PC1358  | 210,70 | 0,300 |
| PC1359  | 208,70 | 0,000 |
| PC136   | 270,00 | 0,050 |
| PC1360  | 208,70 | 0,000 |
| PC1361  | 218,70 | 0,100 |
| PC1362  | 216,70 | 0,000 |
| PC1363  | 215,70 | 0,100 |
| PC1364  | 221,70 | 0,100 |
| PC1365  | 228,70 | 0,110 |
| PC1366  | 216,70 | 0,100 |
| PC1367  | 244,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>141/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC1368  | 230,70 | 0,100 |
| PC1369  | 244,70 | 0,100 |
| PC136A  | 270,00 | 0,000 |
| PC136B  | 270,00 | 0,000 |
| PC136C  | 270,00 | 0,000 |
| PC136D  | 256,00 | 0,000 |
| PC136E  | 256,00 | 0,000 |
| PC137   | 224,70 | 0,050 |
| PC1370  | 227,70 | 0,000 |
| PC1371  | 227,70 | 0,000 |
| PC1372  | 231,70 | 0,000 |
| PC1373  | 224,70 | 0,100 |
| PC1374  | 235,70 | 0,100 |
| PC1375  | 232,70 | 0,080 |
| PC1376  | 236,70 | 0,100 |
| PC1377  | 232,70 | 0,100 |
| PC1378  | 227,70 | 0,100 |
| PC1379  | 239,70 | 0,100 |
| PC138   | 214,70 | 0,000 |
| PC1380  | 210,70 | 0,000 |
| PC1381  | 198,70 | 0,100 |
| PC1382  | 249,70 | 0,000 |
| PC1383  | 249,70 | 0,000 |
| PC1386  | 187,70 | 0,080 |
| PC1387  | 187,70 | 0,180 |
| PC1387A | 187,70 | 0,000 |
| PC1388  | 200,70 | 0,500 |
| PC1389  | 203,70 | 0,050 |
| PC139   | 220,70 | 0,050 |
| PC1390  | 200,70 | 0,050 |
| PC1392  | 200,70 | 0,000 |
| PC1393  | 199,70 | 0,000 |
| PC1394  | 181,70 | 0,000 |
| PC1395  | 185,70 | 0,200 |
| PC1396  | 186,70 | 0,200 |
| PC1397  | 184,70 | 0,500 |
| PC1398  | 172,70 | 0,200 |
| PC1399  | 167,11 | 0,000 |
| PC14    | 258,70 | 0,000 |
| PC140   | 216,70 | 0,050 |
| PC1400  | 167,50 | 0,000 |
| PC1400A | 167,50 | 0,000 |
| PC1401  | 166,70 | 0,000 |
| PC1402  | 166,70 | 0,000 |
| PC1403  | 166,70 | 0,000 |
| PC1404  | 167,70 | 0,000 |
| PC1405  | 169,70 | 0,000 |
| PC1406  | 170,70 | 0,200 |
| PC1407  | 169,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
142/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1408 | 167,70 | 0,000 |
| PC1409 | 167,70 | 0,000 |
| PC141  | 212,70 | 0,000 |
| PC1410 | 168,70 | 0,200 |
| PC1411 | 167,70 | 0,000 |
| PC1412 | 167,70 | 0,000 |
| PC1413 | 167,70 | 0,050 |
| PC1414 | 167,70 | 0,000 |
| PC1415 | 167,70 | 0,000 |
| PC1416 | 167,70 | 0,000 |
| PC1417 | 167,70 | 0,200 |
| PC1418 | 167,70 | 0,000 |
| PC1419 | 166,70 | 0,200 |
| PC142  | 211,70 | 0,000 |
| PC1420 | 166,70 | 0,200 |
| PC1421 | 166,70 | 0,000 |
| PC1422 | 165,70 | 0,100 |
| PC1423 | 166,70 | 0,000 |
| PC1424 | 166,70 | 0,200 |
| PC1425 | 166,70 | 0,000 |
| PC1426 | 166,70 | 0,000 |
| PC1427 | 166,70 | 0,100 |
| PC1428 | 166,70 | 0,000 |
| PC1429 | 166,70 | 0,100 |
| PC143  | 210,70 | 0,050 |
| PC1430 | 167,70 | 0,000 |
| PC1431 | 166,70 | 0,200 |
| PC1432 | 166,70 | 0,000 |
| PC1433 | 166,70 | 0,000 |
| PC1434 | 166,70 | 0,200 |
| PC1435 | 166,70 | 0,000 |
| PC1436 | 166,70 | 0,220 |
| PC1437 | 171,70 | 0,000 |
| PC1438 | 174,70 | 0,000 |
| PC1439 | 174,70 | 0,000 |
| PC144  | 218,70 | 0,050 |
| PC1440 | 175,70 | 0,050 |
| PC1441 | 173,70 | 0,050 |
| PC1442 | 173,70 | 0,040 |
| PC1443 | 173,70 | 0,000 |
| PC1444 | 174,70 | 0,050 |
| PC1445 | 173,70 | 0,050 |
| PC1446 | 177,70 | 0,000 |
| PC1447 | 180,70 | 0,050 |
| PC1448 | 175,70 | 0,050 |
| PC1449 | 177,70 | 0,000 |
| PC145  | 240,70 | 0,000 |
| PC1450 | 175,70 | 0,050 |
| PC1451 | 177,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>143/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1452 | 174,70 | 0,050 |
| PC1453 | 173,70 | 0,000 |
| PC1454 | 173,70 | 0,050 |
| PC1455 | 173,70 | 0,050 |
| PC1456 | 174,70 | 0,050 |
| PC1457 | 175,70 | 0,050 |
| PC1458 | 174,70 | 0,050 |
| PC1459 | 173,70 | 0,050 |
| PC146  | 242,70 | 0,000 |
| PC1460 | 175,70 | 0,050 |
| PC1461 | 177,70 | 0,050 |
| PC1462 | 177,70 | 0,050 |
| PC1463 | 178,70 | 0,000 |
| PC1464 | 181,70 | 0,050 |
| PC1465 | 193,70 | 0,000 |
| PC1466 | 194,70 | 0,050 |
| PC1467 | 173,70 | 0,050 |
| PC1468 | 173,70 | 0,050 |
| PC1469 | 174,70 | 0,050 |
| PC147  | 231,70 | 0,050 |
| PC1470 | 173,70 | 0,050 |
| PC1471 | 173,91 | 0,000 |
| PC1472 | 173,58 | 0,050 |
| PC1473 | 176,48 | 0,000 |
| PC1474 | 177,62 | 0,050 |
| PC1475 | 174,47 | 0,000 |
| PC1476 | 174,63 | 0,000 |
| PC1477 | 174,03 | 0,020 |
| PC1478 | 174,99 | 0,000 |
| PC1479 | 174,94 | 0,050 |
| PC148  | 239,70 | 0,050 |
| PC1480 | 175,70 | 0,000 |
| PC1481 | 175,70 | 0,000 |
| PC1482 | 175,70 | 0,050 |
| PC1483 | 175,70 | 0,050 |
| PC1484 | 177,70 | 0,000 |
| PC1485 | 175,70 | 0,050 |
| PC1486 | 177,70 | 0,000 |
| PC1487 | 177,70 | 0,000 |
| PC1488 | 176,70 | 0,000 |
| PC1489 | 175,70 | 0,050 |
| PC149  | 224,70 | 0,050 |
| PC1490 | 175,70 | 0,000 |
| PC1491 | 175,70 | 0,050 |
| PC1492 | 174,70 | 0,000 |
| PC1493 | 174,70 | 0,050 |
| PC1494 | 174,70 | 0,000 |
| PC1495 | 174,70 | 0,000 |
| PC1496 | 173,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
144/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC1497  | 173,70 | 0,000 |
| PC1498  | 173,70 | 0,050 |
| PC1499  | 173,70 | 0,000 |
| PC15    | 253,70 | 0,000 |
| PC150   | 224,70 | 0,000 |
| PC1500  | 173,70 | 0,000 |
| PC1501  | 172,70 | 0,050 |
| PC1502  | 173,70 | 0,000 |
| PC1503  | 173,70 | 0,050 |
| PC1504  | 171,70 | 0,000 |
| PC1505  | 171,70 | 0,000 |
| PC1506  | 172,76 | 0,000 |
| PC1507  | 172,90 | 0,050 |
| PC1508  | 171,13 | 0,050 |
| PC1509  | 170,94 | 0,050 |
| PC151   | 213,70 | 0,050 |
| PC1510  | 171,44 | 0,050 |
| PC1511  | 170,31 | 0,000 |
| PC1512  | 170,14 | 0,000 |
| PC1513  | 170,31 | 0,080 |
| PC1514  | 170,87 | 0,050 |
| PC1515  | 169,55 | 0,050 |
| PC1516  | 169,06 | 0,000 |
| PC1517  | 168,46 | 0,050 |
| PC1518  | 169,88 | 0,000 |
| PC1519  | 170,66 | 0,050 |
| PC152   | 220,70 | 0,050 |
| PC1520  | 169,00 | 0,000 |
| PC1521  | 169,91 | 0,000 |
| PC1522  | 170,24 | 0,000 |
| PC1523  | 170,95 | 0,000 |
| PC1524  | 169,60 | 0,050 |
| PC1525  | 170,64 | 0,050 |
| PC1526  | 170,43 | 0,050 |
| PC1527  | 170,65 | 0,050 |
| PC1528  | 169,92 | 0,000 |
| PC1529  | 170,18 | 0,050 |
| PC153   | 208,70 | 0,050 |
| PC1530  | 169,02 | 0,000 |
| PC1531  | 170,32 | 0,050 |
| PC1532  | 170,05 | 0,050 |
| PC1533  | 170,13 | 0,050 |
| PC1534  | 168,48 | 0,000 |
| PC1534A | 168,48 | 0,000 |
| PC1535  | 168,70 | 0,000 |
| PC1536  | 167,70 | 0,000 |
| PC1537  | 167,70 | 0,000 |
| PC1538  | 167,70 | 0,030 |
| PC1539  | 167,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>145/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|         |        |       |
|---------|--------|-------|
| PC154   | 198,70 | 0,000 |
| PC1540  | 167,40 | 0,030 |
| PC1541  | 167,70 | 0,000 |
| PC1542  | 167,70 | 0,000 |
| PC1543  | 167,70 | 0,000 |
| PC1544  | 167,40 | 0,000 |
| PC1545  | 167,40 | 0,030 |
| PC1546  | 167,40 | 0,030 |
| PC1547  | 167,45 | 0,000 |
| PC1548  | 167,70 | 0,000 |
| PC1549  | 167,70 | 0,000 |
| PC155   | 196,70 | 0,000 |
| PC1550  | 167,70 | 0,000 |
| PC1551  | 167,70 | 0,000 |
| PC1552  | 167,70 | 0,000 |
| PC1553  | 167,70 | 0,030 |
| PC1554  | 168,70 | 0,200 |
| PC1555  | 168,70 | 0,200 |
| PC1556  | 167,12 | 0,000 |
| PC1557  | 167,21 | 0,030 |
| PC1558  | 167,70 | 0,000 |
| PC1559  | 167,70 | 0,000 |
| PC156   | 192,70 | 0,050 |
| PC1560  | 167,70 | 0,030 |
| PC1561  | 167,70 | 0,000 |
| PC1562  | 167,70 | 0,000 |
| PC1563  | 167,70 | 0,000 |
| PC1564  | 167,45 | 0,000 |
| PC1565  | 167,70 | 0,000 |
| PC1566  | 167,70 | 0,000 |
| PC1567  | 167,45 | 0,000 |
| PC1568  | 167,70 | 0,000 |
| PC1569  | 167,70 | 0,000 |
| PC157   | 196,70 | 0,000 |
| PC1570  | 167,70 | 0,000 |
| PC1571  | 167,70 | 0,000 |
| PC1572  | 167,70 | 0,000 |
| PC1573  | 167,70 | 0,000 |
| PC1574  | 167,05 | 0,000 |
| PC1575  | 168,70 | 0,000 |
| PC1576  | 169,70 | 0,030 |
| PC1577  | 167,90 | 0,000 |
| PC1578  | 169,70 | 0,000 |
| PC1579  | 168,70 | 0,000 |
| PC1579A | 168,70 | 0,000 |
| PC158   | 202,70 | 0,050 |
| PC1580  | 168,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>146/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |        |       |
|---------|--------|-------|
| PC1580A | 168,70 | 0,000 |
| PC1580B | 168,70 | 0,000 |
| PC1581  | 168,70 | 0,000 |
| PC1582  | 168,70 | 0,000 |
| PC1583  | 169,70 | 0,000 |
| PC1584  | 169,70 | 0,000 |
| PC1585  | 169,70 | 0,000 |
| PC1586  | 169,70 | 0,000 |
| PC1587  | 169,70 | 0,000 |
| PC1588  | 169,70 | 0,000 |
| PC1589  | 169,70 | 0,000 |
| PC159   | 204,70 | 0,050 |
| PC1590  | 169,70 | 0,000 |
| PC1591  | 169,70 | 0,000 |
| PC1592  | 169,70 | 0,000 |
| PC1593  | 169,70 | 0,000 |
| PC1594  | 169,70 | 0,000 |
| PC1595  | 169,70 | 0,000 |
| PC1596  | 169,70 | 0,000 |
| PC1597  | 167,70 | 0,000 |
| PC1598  | 167,70 | 0,000 |
| PC1599  | 168,70 | 0,000 |
| PC16    | 248,70 | 0,050 |
| PC160   | 195,70 | 0,050 |
| PC1600  | 167,67 | 0,000 |
| PC1601  | 159,05 | 0,000 |
| PC1602  | 159,05 | 0,000 |
| PC1603  | 168,70 | 0,000 |
| PC1604  | 168,70 | 0,030 |
| PC1605  | 168,70 | 0,030 |
| PC1606  | 167,70 | 0,000 |
| PC1607  | 168,70 | 0,030 |
| PC1608  | 167,05 | 0,000 |
| PC1609  | 167,70 | 0,000 |
| PC161   | 207,70 | 0,000 |
| PC1610  | 167,05 | 0,000 |
| PC1611  | 167,70 | 0,000 |
| PC1612  | 167,70 | 0,000 |
| PC1613  | 167,70 | 0,000 |
| PC1614  | 167,70 | 0,030 |
| PC1615  | 165,60 | 0,190 |
| PC1616  | 166,70 | 0,000 |
| PC1617  | 165,36 | 0,000 |
| PC1618  | 166,23 | 0,000 |
| PC1619  | 166,92 | 0,030 |
| PC162   | 209,70 | 0,000 |
| PC1620  | 166,23 | 0,000 |
| PC1621  | 166,23 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>147/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC1622 | 166,23 | 0,000 |
| PC1623 | 166,23 | 0,000 |
| PC1624 | 166,23 | 0,000 |
| PC1626 | 166,23 | 0,000 |
| PC1627 | 166,23 | 0,000 |
| PC1628 | 166,23 | 0,000 |
| PC1629 | 166,23 | 0,000 |
| PC163  | 196,70 | 0,050 |
| PC1630 | 166,23 | 0,000 |
| PC1631 | 166,22 | 0,030 |
| PC1632 | 167,33 | 0,000 |
| PC1633 | 166,23 | 0,000 |
| PC1634 | 166,23 | 0,000 |
| PC1635 | 166,23 | 0,000 |
| PC1636 | 166,70 | 0,000 |
| PC1637 | 166,70 | 0,000 |
| PC1638 | 166,70 | 0,000 |
| PC1639 | 166,70 | 0,000 |
| PC164  | 196,70 | 0,000 |
| PC1640 | 166,23 | 0,000 |
| PC1641 | 166,23 | 0,000 |
| PC1642 | 166,70 | 0,000 |
| PC1643 | 166,22 | 0,000 |
| PC1644 | 166,95 | 0,000 |
| PC1645 | 166,22 | 0,030 |
| PC1646 | 166,22 | 0,000 |
| PC1647 | 166,42 | 0,000 |
| PC1648 | 166,22 | 0,030 |
| PC1649 | 166,70 | 0,000 |
| PC165  | 215,70 | 0,050 |
| PC1650 | 166,23 | 0,030 |
| PC1651 | 166,23 | 0,000 |
| PC1652 | 165,63 | 0,000 |
| PC1653 | 166,70 | 0,000 |
| PC1654 | 166,70 | 0,000 |
| PC1655 | 166,70 | 0,000 |
| PC1656 | 165,91 | 0,030 |
| PC1657 | 166,70 | 0,000 |
| PC1658 | 166,70 | 0,030 |
| PC1659 | 166,70 | 0,030 |
| PC166  | 246,70 | 0,050 |
| PC1660 | 166,59 | 0,000 |
| PC1661 | 166,70 | 0,000 |
| PC1662 | 165,41 | 0,000 |
| PC1663 | 166,70 | 0,000 |
| PC1664 | 166,70 | 0,000 |
| PC1665 | 165,70 | 0,000 |
| PC1666 | 166,23 | 0,000 |
| PC1667 | 166,23 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

148/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1668 | 166,23 | 0,000 |
| PC1669 | 165,70 | 0,000 |
| PC167  | 265,70 | 0,000 |
| PC1670 | 165,70 | 0,000 |
| PC1671 | 165,70 | 0,000 |
| PC1672 | 165,70 | 0,000 |
| PC1673 | 165,60 | 0,000 |
| PC1674 | 165,70 | 0,000 |
| PC1675 | 165,70 | 0,030 |
| PC1676 | 165,60 | 0,000 |
| PC1677 | 165,60 | 0,000 |
| PC1678 | 165,60 | 0,030 |
| PC1679 | 166,06 | 0,000 |
| PC168  | 258,70 | 0,000 |
| PC1680 | 165,60 | 0,000 |
| PC1681 | 167,70 | 0,030 |
| PC1682 | 167,05 | 0,000 |
| PC1683 | 167,05 | 0,030 |
| PC1684 | 166,70 | 0,000 |
| PC1685 | 166,70 | 0,000 |
| PC1686 | 165,70 | 0,000 |
| PC1687 | 165,70 | 0,000 |
| PC1688 | 165,70 | 0,000 |
| PC1689 | 166,51 | 0,000 |
| PC169  | 271,70 | 0,050 |
| PC1690 | 166,51 | 0,000 |
| PC1691 | 166,51 | 0,000 |
| PC1692 | 166,51 | 0,030 |
| PC1693 | 166,51 | 0,030 |
| PC1694 | 165,70 | 0,030 |
| PC1695 | 165,70 | 0,000 |
| PC1696 | 165,70 | 0,050 |
| PC1697 | 169,70 | 0,000 |
| PC1698 | 169,70 | 0,000 |
| PC1699 | 169,70 | 0,000 |
| PC17   | 278,70 | 0,000 |
| PC170  | 285,70 | 0,000 |
| PC1700 | 169,70 | 0,000 |
| PC1701 | 169,70 | 0,000 |
| PC1702 | 169,70 | 0,200 |
| PC1703 | 168,70 | 0,000 |
| PC1704 | 167,70 | 0,000 |
| PC1705 | 167,70 | 0,000 |
| PC1706 | 167,70 | 0,000 |
| PC1707 | 168,70 | 0,000 |
| PC1708 | 168,70 | 0,200 |
| PC1709 | 168,70 | 0,200 |
| PC171  | 287,70 | 0,050 |
| PC1710 | 167,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

149/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1711 | 167,70 | 0,000 |
| PC1712 | 167,70 | 0,000 |
| PC1713 | 168,70 | 0,000 |
| PC1714 | 168,70 | 0,200 |
| PC1715 | 168,70 | 0,000 |
| PC1716 | 168,70 | 0,200 |
| PC1717 | 169,70 | 0,100 |
| PC1718 | 168,70 | 0,000 |
| PC1719 | 168,70 | 0,290 |
| PC172  | 278,70 | 0,000 |
| PC1720 | 169,70 | 0,000 |
| PC1721 | 169,70 | 0,000 |
| PC1722 | 169,70 | 0,200 |
| PC1723 | 169,70 | 0,000 |
| PC1724 | 169,70 | 0,000 |
| PC1725 | 169,70 | 0,000 |
| PC1726 | 169,70 | 0,200 |
| PC1727 | 169,70 | 0,000 |
| PC1728 | 169,70 | 0,000 |
| PC1729 | 169,70 | 0,000 |
| PC172A | 278,70 | 0,000 |
| PC173  | 196,70 | 0,020 |
| PC1730 | 168,70 | 0,000 |
| PC1731 | 168,70 | 0,100 |
| PC1732 | 168,70 | 0,100 |
| PC1733 | 168,70 | 0,000 |
| PC1734 | 168,70 | 0,000 |
| PC1735 | 168,70 | 0,000 |
| PC1736 | 168,70 | 0,100 |
| PC1737 | 168,70 | 0,100 |
| PC1738 | 168,70 | 0,000 |
| PC1739 | 168,70 | 0,000 |
| PC173A | 196,70 | 0,000 |
| PC173B | 196,70 | 0,000 |
| PC174  | 196,70 | 0,020 |
| PC1740 | 168,70 | 0,000 |
| PC1741 | 168,70 | 0,000 |
| PC1742 | 167,70 | 0,100 |
| PC1743 | 168,70 | 0,100 |
| PC1744 | 168,70 | 0,000 |
| PC1745 | 169,70 | 0,100 |
| PC1746 | 169,70 | 0,000 |
| PC1747 | 168,70 | 0,100 |
| PC1748 | 169,70 | 0,000 |
| PC1749 | 169,70 | 0,100 |
| PC175  | 195,70 | 0,000 |
| PC1750 | 169,70 | 0,100 |
| PC1751 | 169,70 | 0,100 |
| PC1752 | 168,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:   | Stranica:<br>150/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC1753 | 168,70 | 0,100 |
| PC1754 | 168,70 | 0,000 |
| PC1755 | 168,70 | 0,000 |
| PC1756 | 167,70 | 0,000 |
| PC1757 | 166,70 | 0,000 |
| PC1758 | 166,70 | 0,000 |
| PC1759 | 165,70 | 0,000 |
| PC176  | 193,70 | 0,000 |
| PC1760 | 166,32 | 0,100 |
| PC1761 | 166,70 | 0,000 |
| PC1762 | 166,70 | 0,100 |
| PC1763 | 166,32 | 0,030 |
| PC1764 | 165,70 | 0,000 |
| PC1765 | 165,70 | 0,000 |
| PC1766 | 165,70 | 0,000 |
| PC1767 | 165,70 | 0,000 |
| PC1768 | 165,70 | 0,000 |
| PC1769 | 165,70 | 0,000 |
| PC177  | 193,70 | 0,030 |
| PC1770 | 165,70 | 0,000 |
| PC1771 | 165,70 | 0,500 |
| PC1772 | 166,70 | 0,000 |
| PC1773 | 166,70 | 0,050 |
| PC1774 | 166,70 | 0,000 |
| PC1775 | 165,70 | 0,050 |
| PC1776 | 165,70 | 0,050 |
| PC1777 | 165,70 | 0,000 |
| PC1778 | 166,32 | 0,100 |
| PC1779 | 165,70 | 0,000 |
| PC178  | 193,70 | 0,030 |
| PC1780 | 165,70 | 0,000 |
| PC1781 | 164,70 | 0,000 |
| PC1782 | 164,70 | 0,100 |
| PC1783 | 164,70 | 0,100 |
| PC1784 | 166,32 | 0,000 |
| PC1785 | 165,70 | 0,000 |
| PC1786 | 166,32 | 0,100 |
| PC1787 | 165,70 | 0,000 |
| PC1788 | 166,32 | 0,000 |
| PC1789 | 163,70 | 0,100 |
| PC179  | 188,70 | 0,000 |
| PC1790 | 163,70 | 0,000 |
| PC1791 | 163,70 | 0,100 |
| PC1792 | 163,70 | 0,100 |
| PC1793 | 163,70 | 0,000 |
| PC1794 | 163,70 | 0,100 |
| PC1795 | 162,70 | 0,100 |
| PC1796 | 163,70 | 0,000 |
| PC1797 | 163,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Stranica:<br>151/512      |
|  |  | Nadnevak:<br>17.11. 2009. |

|         |        |       |
|---------|--------|-------|
| PC1798  | 163,70 | 0,000 |
| PC1799  | 163,70 | 0,000 |
| PC18    | 273,70 | 0,050 |
| PC180   | 183,70 | 0,000 |
| PC1800  | 163,70 | 0,000 |
| PC1801  | 163,70 | 0,100 |
| PC1802  | 163,70 | 0,000 |
| PC1803  | 163,70 | 0,000 |
| PC1804  | 163,70 | 0,000 |
| PC1805  | 163,70 | 0,100 |
| PC1806  | 163,70 | 0,000 |
| PC1807  | 162,70 | 0,000 |
| PC1808  | 162,70 | 0,000 |
| PC1809  | 162,70 | 0,000 |
| PC181   | 188,70 | 0,050 |
| PC1810  | 162,70 | 0,000 |
| PC1811  | 160,70 | 0,000 |
| PC1812  | 159,93 | 0,000 |
| PC1813  | 160,02 | 0,100 |
| PC1814  | 160,70 | 0,000 |
| PC1815  | 160,70 | 0,000 |
| PC1816  | 159,54 | 0,000 |
| PC1817  | 159,99 | 0,000 |
| PC1818  | 160,49 | 0,100 |
| PC1819  | 159,31 | 0,100 |
| PC182   | 188,70 | 0,050 |
| PC1820  | 160,93 | 0,000 |
| PC1821  | 161,15 | 0,000 |
| PC1822  | 161,13 | 0,100 |
| PC1823  | 161,03 | 0,100 |
| PC1824  | 159,92 | 0,000 |
| PC1825  | 160,31 | 0,100 |
| PC1826  | 159,88 | 0,100 |
| PC1827  | 161,17 | 0,100 |
| PC1828  | 160,05 | 0,000 |
| PC1829  | 160,70 | 0,000 |
| PC183   | 188,70 | 0,000 |
| PC1830  | 161,70 | 0,000 |
| PC1831  | 161,70 | 0,000 |
| PC1832  | 159,70 | 0,000 |
| PC1833  | 159,70 | 0,000 |
| PC1833A | 159,70 | 0,000 |
| PC1834  | 160,03 | 0,000 |
| PC1835  | 159,87 | 0,000 |
| PC1836  | 161,25 | 0,100 |
| PC1837  | 160,56 | 0,000 |
| PC1838  | 160,14 | 0,100 |
| PC1839  | 161,20 | 0,100 |
| PC184   | 208,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
152/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1840 | 159,70 | 0,100 |
| PC1841 | 160,62 | 0,000 |
| PC1842 | 158,89 | 0,000 |
| PC1843 | 159,06 | 0,100 |
| PC1844 | 160,03 | 0,000 |
| PC1845 | 160,15 | 0,000 |
| PC1846 | 159,97 | 0,100 |
| PC1847 | 159,40 | 0,000 |
| PC1848 | 160,08 | 0,100 |
| PC1849 | 159,71 | 0,000 |
| PC185  | 223,70 | 0,000 |
| PC1850 | 159,13 | 0,100 |
| PC1851 | 161,70 | 0,000 |
| PC1852 | 161,70 | 0,000 |
| PC1853 | 161,70 | 0,000 |
| PC1854 | 162,70 | 0,000 |
| PC1855 | 162,70 | 0,000 |
| PC1856 | 162,70 | 0,400 |
| PC1857 | 162,70 | 0,200 |
| PC1858 | 162,70 | 0,200 |
| PC1859 | 162,70 | 0,420 |
| PC185A | 223,70 | 0,000 |
| PC186  | 280,70 | 0,000 |
| PC1860 | 162,70 | 0,200 |
| PC1861 | 162,70 | 0,200 |
| PC1862 | 162,70 | 0,200 |
| PC1863 | 163,70 | 0,200 |
| PC1864 | 163,70 | 0,200 |
| PC1865 | 162,70 | 0,000 |
| PC1866 | 162,70 | 0,200 |
| PC1867 | 163,70 | 0,000 |
| PC1868 | 163,70 | 0,000 |
| PC1869 | 163,70 | 0,200 |
| PC187  | 280,70 | 0,000 |
| PC1870 | 163,70 | 0,000 |
| PC1871 | 163,70 | 0,000 |
| PC1872 | 163,70 | 0,200 |
| PC1873 | 163,70 | 0,200 |
| PC1874 | 163,70 | 0,200 |
| PC1875 | 163,70 | 0,000 |
| PC1876 | 163,70 | 0,200 |
| PC1877 | 163,70 | 0,200 |
| PC1878 | 164,70 | 0,000 |
| PC1879 | 163,70 | 0,200 |
| PC187A | 280,70 | 0,000 |
| PC187B | 280,70 | 0,000 |
| PC187C | 280,70 | 0,000 |
| PC188  | 251,70 | 0,000 |
| PC1880 | 164,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA

VODOOPSKRBNOG SUSTAVA

MEĐIMURSKE ŽUPANIJE

Stranica:

153/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1881 | 163,70 | 0,200 |
| PC1882 | 164,70 | 0,000 |
| PC1883 | 165,70 | 0,200 |
| PC1884 | 163,70 | 0,000 |
| PC1885 | 165,70 | 0,200 |
| PC1886 | 165,70 | 0,200 |
| PC1887 | 163,70 | 1,000 |
| PC1888 | 164,70 | 0,230 |
| PC1889 | 163,70 | 0,200 |
| PC189  | 253,70 | 0,000 |
| PC1890 | 164,70 | 0,200 |
| PC1891 | 164,70 | 0,000 |
| PC1892 | 164,70 | 0,200 |
| PC1893 | 163,70 | 0,200 |
| PC1894 | 163,70 | 0,200 |
| PC1895 | 164,70 | 0,000 |
| PC1896 | 164,70 | 0,200 |
| PC1897 | 163,70 | 0,200 |
| PC1898 | 163,70 | 0,000 |
| PC1899 | 163,70 | 0,200 |
| PC18A  | 268,70 | 0,000 |
| PC18B  | 268,70 | 0,000 |
| PC19   | 265,70 | 0,050 |
| PC190  | 253,70 | 0,000 |
| PC1900 | 163,70 | 0,000 |
| PC1901 | 163,70 | 0,200 |
| PC1902 | 163,70 | 0,000 |
| PC1903 | 163,70 | 0,200 |
| PC1904 | 164,70 | 0,200 |
| PC1905 | 163,70 | 0,000 |
| PC1906 | 163,70 | 0,000 |
| PC1907 | 163,70 | 0,100 |
| PC1908 | 165,70 | 0,000 |
| PC1909 | 163,70 | 0,000 |
| PC191  | 243,70 | 0,050 |
| PC1910 | 163,70 | 0,000 |
| PC1911 | 162,70 | 0,000 |
| PC1912 | 162,70 | 0,000 |
| PC1913 | 162,70 | 0,000 |
| PC1914 | 162,70 | 0,100 |
| PC1915 | 160,70 | 0,000 |
| PC1916 | 160,70 | 0,000 |
| PC1917 | 163,70 | 0,050 |
| PC1918 | 163,70 | 0,000 |
| PC1919 | 163,70 | 0,000 |
| PC192  | 233,70 | 0,050 |
| PC1920 | 163,70 | 0,000 |
| PC1921 | 163,70 | 0,000 |
| PC1922 | 163,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA

VODOOPSKRBNOG SUSTAVA

MEĐIMURSKE ŽUPANIJE

Stranica:

154/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1923 | 163,70 | 0,050 |
| PC1924 | 162,70 | 0,000 |
| PC1925 | 163,70 | 0,000 |
| PC1926 | 163,70 | 0,100 |
| PC1927 | 163,70 | 0,050 |
| PC1928 | 163,70 | 0,000 |
| PC1929 | 163,70 | 0,050 |
| PC193  | 265,21 | 0,000 |
| PC1930 | 163,70 | 0,000 |
| PC1931 | 163,70 | 0,050 |
| PC1932 | 163,70 | 1,000 |
| PC1933 | 163,70 | 0,050 |
| PC1934 | 163,70 | 0,000 |
| PC1935 | 163,70 | 0,100 |
| PC1936 | 165,70 | 0,000 |
| PC1937 | 168,70 | 0,000 |
| PC1938 | 163,70 | 0,000 |
| PC1939 | 163,70 | 1,870 |
| PC194  | 277,36 | 0,000 |
| PC1940 | 163,70 | 0,000 |
| PC1941 | 163,70 | 0,050 |
| PC1942 | 163,70 | 0,000 |
| PC1943 | 163,70 | 0,050 |
| PC1944 | 163,70 | 0,000 |
| PC1945 | 163,70 | 0,050 |
| PC1946 | 163,70 | 0,000 |
| PC1947 | 163,70 | 0,050 |
| PC1948 | 163,70 | 0,000 |
| PC1949 | 163,70 | 0,000 |
| PC195  | 276,91 | 0,000 |
| PC1950 | 163,70 | 0,000 |
| PC1951 | 163,70 | 0,000 |
| PC1952 | 163,70 | 0,050 |
| PC1953 | 163,70 | 0,000 |
| PC1954 | 163,70 | 0,000 |
| PC1955 | 163,70 | 0,000 |
| PC1956 | 163,70 | 0,000 |
| PC1957 | 163,70 | 0,000 |
| PC1958 | 164,70 | 0,030 |
| PC1959 | 163,70 | 3,580 |
| PC196  | 236,88 | 0,050 |
| PC1960 | 163,70 | 0,000 |
| PC1961 | 163,70 | 0,150 |
| PC1962 | 163,70 | 0,000 |
| PC1963 | 163,70 | 1,150 |
| PC1964 | 163,70 | 0,070 |
| PC1965 | 163,70 | 0,180 |
| PC1966 | 163,70 | 0,000 |
| PC1967 | 163,70 | 0,040 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>155/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC1968 | 163,70 | 0,000 |
| PC1969 | 163,70 | 0,000 |
| PC197  | 267,64 | 0,000 |
| PC1970 | 163,70 | 0,000 |
| PC1971 | 163,70 | 0,500 |
| PC1972 | 163,70 | 0,070 |
| PC1973 | 163,70 | 0,050 |
| PC1974 | 163,70 | 0,050 |
| PC1975 | 163,70 | 0,070 |
| PC1976 | 163,70 | 0,200 |
| PC1977 | 163,70 | 0,000 |
| PC1978 | 163,70 | 0,100 |
| PC1979 | 163,70 | 0,000 |
| PC198  | 228,46 | 0,050 |
| PC1980 | 163,70 | 0,050 |
| PC199  | 238,70 | 0,000 |
| PC1991 | 163,70 | 0,050 |
| PC1992 | 163,70 | 0,000 |
| PC1993 | 163,70 | 0,050 |
| PC1994 | 163,70 | 0,000 |
| PC1995 | 163,70 | 0,100 |
| PC1996 | 163,70 | 0,100 |
| PC1997 | 163,70 | 0,050 |
| PC1998 | 163,70 | 0,000 |
| PC1999 | 163,70 | 0,070 |
| PC199A | 238,70 | 0,000 |
| PC2    | 259,70 | 0,000 |
| PC20   | 288,70 | 0,000 |
| PC200  | 238,35 | 0,000 |
| PC2000 | 163,70 | 1,000 |
| PC2001 | 163,70 | 1,160 |
| PC2002 | 163,70 | 0,000 |
| PC2003 | 163,70 | 0,000 |
| PC2004 | 163,70 | 0,050 |
| PC2005 | 163,70 | 0,000 |
| PC2006 | 163,70 | 0,070 |
| PC2007 | 163,70 | 0,000 |
| PC2008 | 163,70 | 0,050 |
| PC2009 | 163,70 | 0,000 |
| PC201  | 213,70 | 0,050 |
| PC2010 | 163,70 | 0,000 |
| PC2011 | 163,70 | 0,050 |
| PC2012 | 163,70 | 0,000 |
| PC2013 | 163,70 | 0,020 |
| PC2014 | 163,70 | 0,000 |
| PC2015 | 163,70 | 0,020 |
| PC2016 | 163,70 | 0,020 |
| PC2017 | 163,70 | 0,000 |
| PC2018 | 163,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>156/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC2019 | 163,70 | 0,030 |
| PC202  | 258,63 | 0,000 |
| PC2020 | 163,70 | 0,000 |
| PC2021 | 163,70 | 0,050 |
| PC2022 | 163,70 | 0,300 |
| PC2023 | 163,70 | 0,050 |
| PC2024 | 163,70 | 0,000 |
| PC2025 | 163,70 | 0,050 |
| PC2026 | 163,70 | 0,050 |
| PC2027 | 163,70 | 0,000 |
| PC2028 | 163,70 | 0,040 |
| PC2029 | 163,70 | 0,040 |
| PC2030 | 163,70 | 0,000 |
| PC2031 | 163,70 | 0,030 |
| PC2032 | 163,70 | 0,000 |
| PC2033 | 163,70 | 0,050 |
| PC2034 | 163,70 | 0,000 |
| PC2035 | 163,70 | 0,050 |
| PC2036 | 163,70 | 0,000 |
| PC2037 | 163,70 | 0,300 |
| PC2038 | 163,70 | 0,000 |
| PC2039 | 163,70 | 0,030 |
| PC204  | 232,68 | 0,000 |
| PC2040 | 163,70 | 0,000 |
| PC2041 | 163,70 | 0,000 |
| PC2042 | 163,70 | 0,050 |
| PC2043 | 163,70 | 0,000 |
| PC2044 | 163,70 | 0,030 |
| PC2045 | 163,70 | 0,100 |
| PC2046 | 163,70 | 0,000 |
| PC2047 | 163,70 | 0,000 |
| PC2048 | 163,70 | 0,030 |
| PC2049 | 163,70 | 0,000 |
| PC204A | 232,68 | 0,000 |
| PC205  | 202,70 | 0,000 |
| PC2050 | 163,70 | 0,000 |
| PC2051 | 163,70 | 0,030 |
| PC2052 | 163,70 | 0,050 |
| PC2053 | 163,70 | 0,000 |
| PC2054 | 163,70 | 0,050 |
| PC2055 | 163,70 | 0,000 |
| PC2056 | 163,70 | 0,050 |
| PC2057 | 163,70 | 0,000 |
| PC2058 | 163,70 | 0,050 |
| PC2059 | 163,70 | 0,000 |
| PC206  | 198,68 | 0,000 |
| PC2060 | 163,70 | 0,000 |
| PC2061 | 163,70 | 0,000 |
| PC2062 | 163,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

157/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2063 | 163,70 | 0,050 |
| PC2064 | 163,10 | 0,100 |
| PC2065 | 159,70 | 0,000 |
| PC2066 | 159,70 | 0,000 |
| PC2067 | 159,70 | 0,100 |
| PC2068 | 161,70 | 0,380 |
| PC2069 | 163,10 | 0,000 |
| PC207  | 195,70 | 0,000 |
| PC2070 | 163,10 | 0,100 |
| PC2071 | 159,70 | 0,000 |
| PC2072 | 159,70 | 0,900 |
| PC2073 | 161,70 | 0,200 |
| PC2074 | 161,70 | 0,000 |
| PC2075 | 161,70 | 0,050 |
| PC2076 | 161,70 | 0,000 |
| PC2077 | 161,70 | 0,790 |
| PC2078 | 161,70 | 0,000 |
| PC2079 | 161,70 | 0,000 |
| PC208  | 195,70 | 0,000 |
| PC2080 | 161,70 | 0,000 |
| PC2081 | 161,70 | 0,050 |
| PC2082 | 161,70 | 0,290 |
| PC2083 | 162,70 | 0,120 |
| PC2084 | 162,70 | 0,100 |
| PC2085 | 162,70 | 0,000 |
| PC2086 | 162,70 | 0,000 |
| PC2087 | 163,70 | 0,000 |
| PC2088 | 162,36 | 0,260 |
| PC2089 | 161,70 | 0,260 |
| PC209  | 222,70 | 0,050 |
| PC2090 | 161,70 | 0,000 |
| PC2091 | 161,70 | 0,000 |
| PC2092 | 161,70 | 0,000 |
| PC2093 | 161,70 | 0,000 |
| PC2094 | 161,70 | 0,000 |
| PC2095 | 161,70 | 0,050 |
| PC2096 | 161,70 | 0,000 |
| PC2097 | 162,20 | 0,000 |
| PC2098 | 162,20 | 0,040 |
| PC2099 | 161,70 | 0,000 |
| PC21   | 286,70 | 0,050 |
| PC210  | 195,70 | 0,000 |
| PC2100 | 162,70 | 0,000 |
| PC2101 | 162,70 | 0,000 |
| PC2102 | 161,70 | 0,000 |
| PC2103 | 160,70 | 0,000 |
| PC2104 | 160,70 | 0,000 |
| PC2105 | 160,70 | 3,580 |
| PC2106 | 160,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
158/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2107 | 161,70 | 0,000 |
| PC2108 | 161,70 | 0,050 |
| PC2109 | 161,70 | 1,000 |
| PC211  | 201,70 | 0,050 |
| PC2110 | 162,70 | 0,050 |
| PC2111 | 162,70 | 0,000 |
| PC2112 | 162,70 | 0,000 |
| PC2113 | 162,70 | 0,050 |
| PC2114 | 162,70 | 0,150 |
| PC2115 | 162,70 | 0,130 |
| PC2116 | 160,70 | 0,050 |
| PC2117 | 160,70 | 0,000 |
| PC2118 | 160,70 | 0,050 |
| PC2119 | 159,70 | 0,050 |
| PC212  | 194,70 | 0,050 |
| PC2120 | 160,70 | 0,050 |
| PC2121 | 160,70 | 0,260 |
| PC2122 | 160,70 | 0,000 |
| PC2123 | 161,70 | 0,070 |
| PC2124 | 161,70 | 0,230 |
| PC2125 | 160,70 | 0,000 |
| PC2126 | 162,70 | 0,100 |
| PC2127 | 162,70 | 0,060 |
| PC2128 | 161,70 | 0,050 |
| PC2129 | 161,70 | 0,050 |
| PC2130 | 162,70 | 1,000 |
| PC2131 | 162,70 | 0,160 |
| PC2132 | 162,70 | 0,000 |
| PC2133 | 162,70 | 0,000 |
| PC2134 | 162,70 | 0,100 |
| PC2135 | 162,70 | 0,020 |
| PC2136 | 162,70 | 0,000 |
| PC2137 | 161,70 | 0,200 |
| PC2138 | 160,70 | 1,250 |
| PC2139 | 160,70 | 0,360 |
| PC214  | 194,70 | 0,000 |
| PC2140 | 160,70 | 0,170 |
| PC2141 | 160,70 | 0,000 |
| PC2142 | 160,70 | 0,050 |
| PC2143 | 160,70 | 0,110 |
| PC2144 | 160,70 | 0,000 |
| PC2145 | 160,70 | 0,050 |
| PC2146 | 160,70 | 0,000 |
| PC2147 | 160,70 | 0,000 |
| PC2148 | 160,70 | 0,050 |
| PC2149 | 160,70 | 0,000 |
| PC215  | 202,70 | 0,050 |
| PC2150 | 160,70 | 0,000 |
| PC2151 | 160,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>159/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|        |        |       |
|--------|--------|-------|
| PC2152 | 160,70 | 0,100 |
| PC2153 | 160,70 | 0,000 |
| PC2154 | 160,70 | 0,050 |
| PC2155 | 160,70 | 0,100 |
| PC2156 | 160,70 | 0,100 |
| PC2157 | 160,70 | 0,000 |
| PC2158 | 160,70 | 0,000 |
| PC2159 | 160,70 | 0,110 |
| PC216  | 202,70 | 0,000 |
| PC2160 | 160,70 | 0,110 |
| PC2161 | 160,70 | 0,060 |
| PC2162 | 160,70 | 0,050 |
| PC2163 | 160,70 | 0,000 |
| PC2164 | 160,70 | 0,050 |
| PC2165 | 160,70 | 0,260 |
| PC2166 | 160,70 | 0,050 |
| PC2167 | 159,70 | 0,150 |
| PC2168 | 159,70 | 0,200 |
| PC2169 | 160,70 | 0,200 |
| PC217  | 208,70 | 0,050 |
| PC2170 | 160,70 | 0,030 |
| PC2171 | 160,70 | 0,260 |
| PC2172 | 160,70 | 0,050 |
| PC2173 | 160,70 | 0,000 |
| PC2174 | 160,70 | 0,050 |
| PC2175 | 160,70 | 0,000 |
| PC2176 | 160,70 | 0,050 |
| PC2177 | 160,70 | 0,000 |
| PC2178 | 160,70 | 0,000 |
| PC2179 | 160,70 | 0,050 |
| PC218  | 219,70 | 0,050 |
| PC2180 | 160,70 | 0,000 |
| PC2181 | 160,70 | 0,000 |
| PC2182 | 160,70 | 0,000 |
| PC2183 | 160,70 | 0,000 |
| PC2184 | 160,70 | 0,000 |
| PC2185 | 160,70 | 0,000 |
| PC2186 | 160,70 | 0,000 |
| PC2187 | 160,70 | 0,000 |
| PC2188 | 160,70 | 0,000 |
| PC2189 | 160,70 | 0,000 |
| PC219  | 194,70 | 0,050 |
| PC2190 | 160,70 | 0,050 |
| PC2191 | 160,70 | 0,090 |
| PC2192 | 160,70 | 0,050 |
| PC2193 | 160,70 | 0,000 |
| PC2194 | 160,70 | 0,000 |
| PC2195 | 160,70 | 0,000 |
| PC2196 | 160,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>160/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC2197 | 160,70 | 0,000 |
| PC2198 | 160,70 | 0,000 |
| PC2199 | 160,70 | 0,050 |
| PC22   | 278,72 | 0,000 |
| PC220  | 225,70 | 0,050 |
| PC2200 | 160,70 | 0,050 |
| PC2201 | 160,70 | 0,000 |
| PC2202 | 160,70 | 0,000 |
| PC2203 | 160,70 | 0,000 |
| PC2204 | 160,70 | 0,000 |
| PC2205 | 160,70 | 0,000 |
| PC2206 | 160,70 | 0,050 |
| PC2207 | 160,70 | 0,000 |
| PC2208 | 160,70 | 0,050 |
| PC2209 | 160,70 | 0,000 |
| PC221  | 272,03 | 0,050 |
| PC2210 | 160,70 | 0,000 |
| PC2211 | 160,70 | 0,050 |
| PC2212 | 160,70 | 0,050 |
| PC2213 | 160,70 | 0,100 |
| PC2214 | 160,70 | 0,050 |
| PC2215 | 160,70 | 0,230 |
| PC2216 | 160,70 | 0,100 |
| PC2217 | 160,70 | 0,000 |
| PC2218 | 160,70 | 0,100 |
| PC2219 | 160,70 | 0,180 |
| PC222  | 255,70 | 0,050 |
| PC2220 | 159,70 | 0,200 |
| PC2221 | 160,70 | 0,100 |
| PC2222 | 160,70 | 0,200 |
| PC2223 | 160,70 | 0,220 |
| PC2224 | 160,70 | 0,100 |
| PC2225 | 160,70 | 0,100 |
| PC2226 | 160,70 | 0,020 |
| PC2227 | 160,70 | 0,090 |
| PC2228 | 160,70 | 0,000 |
| PC2229 | 160,70 | 0,000 |
| 2      | 232,68 | 0,000 |
| PC223  | 274,62 | 0,000 |
| PC2230 | 160,70 | 0,050 |
| PC2231 | 158,70 | 0,000 |
| PC2232 | 158,70 | 0,000 |
| PC2233 | 158,70 | 0,000 |
| PC2234 | 158,70 | 0,000 |
| PC2235 | 158,70 | 0,000 |
| PC2236 | 157,70 | 0,000 |
| PC2237 | 157,70 | 0,000 |
| PC2238 | 157,70 | 0,050 |
| PC2239 | 159,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>161/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC224  | 244,70 | 0,050 |
| PC2240 | 158,70 | 0,140 |
| PC2241 | 158,70 | 0,100 |
| PC2242 | 158,70 | 0,000 |
| PC2243 | 158,70 | 0,100 |
| PC2244 | 159,70 | 0,000 |
| PC2245 | 159,70 | 0,290 |
| PC2246 | 159,70 | 0,050 |
| PC2247 | 160,20 | 0,160 |
| PC2248 | 159,70 | 0,000 |
| PC2249 | 159,70 | 0,000 |
| PC225  | 278,13 | 0,050 |
| PC2250 | 159,70 | 0,090 |
| PC2251 | 159,70 | 0,120 |
| PC2252 | 159,70 | 0,270 |
| PC2253 | 159,70 | 0,000 |
| PC2254 | 159,70 | 0,200 |
| PC2255 | 156,70 | 0,000 |
| PC2256 | 158,70 | 0,000 |
| PC2257 | 157,70 | 0,000 |
| PC2258 | 157,70 | 0,050 |
| PC2259 | 158,20 | 0,000 |
| PC226  | 254,70 | 0,050 |
| PC2260 | 158,70 | 0,050 |
| PC2261 | 157,70 | 0,050 |
| PC2262 | 158,70 | 0,000 |
| PC2263 | 158,70 | 0,050 |
| PC2264 | 158,70 | 0,050 |
| PC2265 | 159,04 | 2,310 |
| PC2266 | 158,70 | 0,000 |
| PC2267 | 159,20 | 1,000 |
| PC2268 | 159,00 | 0,000 |
| PC2269 | 159,70 | 0,000 |
| PC227  | 245,03 | 0,050 |
| PC2270 | 159,70 | 1,000 |
| PC2271 | 159,85 | 0,000 |
| PC2272 | 159,70 | 0,060 |
| PC2273 | 159,70 | 0,000 |
| PC2274 | 159,70 | 0,030 |
| PC2275 | 159,70 | 0,030 |
| PC2276 | 160,70 | 0,000 |
| PC2277 | 160,70 | 0,050 |
| PC2278 | 160,70 | 0,110 |
| PC2279 | 160,70 | 0,000 |
| PC228  | 191,70 | 0,050 |
| PC2280 | 160,70 | 0,050 |
| PC2281 | 160,70 | 0,120 |
| PC2282 | 160,70 | 0,000 |
| PC2283 | 160,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>162/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC2284 | 160,70 | 0,080 |
| PC2285 | 160,70 | 0,100 |
| PC2286 | 161,70 | 0,200 |
| PC2287 | 161,70 | 0,100 |
| PC2288 | 162,70 | 0,100 |
| PC2289 | 160,70 | 0,100 |
| PC229  | 219,70 | 0,050 |
| PC2290 | 160,70 | 0,000 |
| PC2291 | 160,70 | 0,060 |
| PC2292 | 159,70 | 0,060 |
| PC2293 | 160,70 | 0,060 |
| PC2294 | 160,70 | 0,060 |
| PC2295 | 163,70 | 0,080 |
| PC2296 | 163,70 | 0,000 |
| PC2297 | 163,70 | 0,050 |
| PC2298 | 164,70 | 0,050 |
| PC2299 | 163,70 | 0,100 |
| PC22A  | 278,72 | 0,000 |
| PC22B  | 278,72 | 0,000 |
| PC22C  | 278,72 | 0,000 |
| PC22D  | 278,72 | 0,000 |
| PC23   | 316,70 | 0,050 |
| PC230  | 188,70 | 0,050 |
| PC2300 | 160,70 | 0,030 |
| PC2301 | 161,70 | 0,000 |
| PC2302 | 161,70 | 0,100 |
| PC2303 | 161,70 | 0,110 |
| PC2304 | 163,70 | 0,180 |
| PC2305 | 163,70 | 0,000 |
| PC2306 | 162,70 | 0,040 |
| PC2307 | 163,70 | 0,050 |
| PC2308 | 162,70 | 0,040 |
| PC2309 | 163,70 | 0,100 |
| PC231  | 188,70 | 0,050 |
| PC2310 | 162,70 | 0,100 |
| PC2311 | 161,70 | 0,110 |
| PC2312 | 160,70 | 0,100 |
| PC2313 | 160,70 | 0,120 |
| PC2314 | 160,70 | 0,060 |
| PC2315 | 159,70 | 0,000 |
| PC2316 | 159,70 | 0,020 |
| PC2317 | 162,70 | 0,100 |
| PC2318 | 162,70 | 0,050 |
| PC2319 | 162,70 | 0,100 |
| PC232  | 188,70 | 0,050 |
| PC2320 | 162,70 | 0,040 |
| PC2321 | 162,70 | 0,030 |
| PC2322 | 162,70 | 0,000 |
| PC2323 | 162,70 | 0,030 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |   |
|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>163/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC2324 | 161,70 | 0,070 |
| PC2325 | 161,70 | 0,020 |
| PC2326 | 160,70 | 0,070 |
| PC2327 | 161,70 | 0,160 |
| PC2328 | 160,70 | 0,050 |
| PC2329 | 162,70 | 0,200 |
| PC233  | 188,70 | 0,000 |
| PC2330 | 161,70 | 0,100 |
| PC2331 | 160,70 | 0,050 |
| PC2332 | 161,70 | 0,150 |
| PC2333 | 160,70 | 0,050 |
| PC2334 | 161,70 | 0,100 |
| PC2335 | 160,70 | 0,040 |
| PC2336 | 160,70 | 0,000 |
| PC2337 | 161,70 | 0,050 |
| PC2338 | 160,70 | 0,000 |
| PC2339 | 162,70 | 1,860 |
| PC234  | 199,70 | 0,050 |
| PC2340 | 162,70 | 2,230 |
| PC2341 | 162,70 | 0,000 |
| PC2342 | 162,70 | 0,100 |
| PC2343 | 162,70 | 0,000 |
| PC2344 | 162,70 | 0,050 |
| PC2345 | 162,70 | 0,000 |
| PC2346 | 162,70 | 0,110 |
| PC2347 | 163,70 | 0,000 |
| PC2348 | 163,70 | 0,180 |
| PC2349 | 162,70 | 0,000 |
| PC235  | 194,70 | 0,050 |
| PC2350 | 162,70 | 0,050 |
| PC2351 | 163,70 | 0,030 |
| PC2352 | 162,70 | 0,000 |
| PC2353 | 162,70 | 0,050 |
| PC2354 | 162,70 | 0,000 |
| PC2355 | 161,70 | 0,050 |
| PC2356 | 163,70 | 0,050 |
| PC2357 | 163,70 | 0,200 |
| PC2358 | 162,70 | 0,100 |
| PC2359 | 163,70 | 0,050 |
| PC236  | 183,70 | 0,050 |
| PC2360 | 162,70 | 0,100 |
| PC2361 | 162,70 | 0,040 |
| PC2362 | 162,70 | 0,000 |
| PC2363 | 162,70 | 0,040 |
| PC2364 | 162,70 | 0,000 |
| PC2365 | 162,70 | 0,000 |
| PC2366 | 162,70 | 0,050 |
| PC2367 | 162,70 | 0,000 |
| PC2368 | 162,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>164/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC2369 | 162,70 | 0,000 |
| PC237  | 185,70 | 0,000 |
| PC2370 | 162,70 | 0,000 |
| PC2371 | 162,70 | 0,000 |
| PC2372 | 163,70 | 0,100 |
| PC2373 | 163,70 | 0,070 |
| PC2374 | 163,70 | 0,100 |
| PC2375 | 163,70 | 0,050 |
| PC2376 | 163,70 | 0,100 |
| PC2377 | 163,70 | 0,000 |
| PC2378 | 163,70 | 0,050 |
| PC2379 | 162,70 | 1,000 |
| PC238  | 195,70 | 0,050 |
| PC2380 | 163,70 | 0,050 |
| PC2381 | 162,70 | 0,100 |
| PC2382 | 162,70 | 0,070 |
| PC2383 | 162,70 | 0,080 |
| PC2384 | 162,70 | 0,050 |
| PC2385 | 162,70 | 0,100 |
| PC2386 | 162,70 | 0,110 |
| PC2387 | 162,70 | 0,100 |
| PC2388 | 162,70 | 0,230 |
| PC2389 | 161,70 | 0,320 |
| PC239  | 190,70 | 0,050 |
| PC2390 | 161,70 | 0,100 |
| PC2391 | 162,70 | 0,100 |
| PC2392 | 163,70 | 0,090 |
| PC2393 | 163,70 | 0,050 |
| PC2394 | 162,70 | 0,000 |
| PC2395 | 162,70 | 0,100 |
| PC2396 | 162,70 | 0,330 |
| PC2397 | 161,70 | 0,100 |
| PC2398 | 161,70 | 0,170 |
| PC2399 | 161,70 | 0,100 |
| PC24   | 308,70 | 0,050 |
| PC240  | 238,70 | 0,000 |
| PC2400 | 161,70 | 0,290 |
| PC2401 | 161,70 | 0,000 |
| PC2402 | 162,70 | 0,330 |
| PC2403 | 161,70 | 0,150 |
| PC2404 | 161,70 | 0,100 |
| PC2405 | 161,70 | 0,000 |
| PC2406 | 161,70 | 0,000 |
| PC2407 | 161,70 | 0,000 |
| PC2408 | 161,70 | 0,000 |
| PC2409 | 161,70 | 0,050 |
| PC241  | 240,70 | 0,050 |
| PC2410 | 161,70 | 0,150 |
| PC2411 | 161,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>165/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |        |       |
|---------|--------|-------|
| PC2412  | 161,70 | 0,220 |
| PC2413  | 161,70 | 0,330 |
| PC2414  | 161,70 | 0,000 |
| PC2415  | 161,70 | 0,110 |
| PC2416  | 161,70 | 0,330 |
| PC2417  | 161,70 | 0,040 |
| PC2418  | 161,70 | 0,000 |
| PC2419  | 161,70 | 0,000 |
| PC242   | 249,70 | 0,000 |
| PC2420  | 160,70 | 0,000 |
| PC2421  | 160,70 | 0,200 |
| PC2422  | 160,70 | 0,070 |
| PC2423  | 160,70 | 0,000 |
| PC2424  | 160,70 | 0,040 |
| PC2425  | 161,70 | 0,200 |
| PC2426  | 161,70 | 0,100 |
| PC2427  | 161,70 | 0,090 |
| PC2428  | 161,70 | 0,100 |
| PC2429  | 161,70 | 0,090 |
| PC243   | 248,70 | 0,000 |
| PC2430  | 160,70 | 0,200 |
| PC2431  | 158,70 | 0,000 |
| PC2432  | 158,70 | 0,200 |
| PC2433  | 158,70 | 0,000 |
| PC2434  | 158,70 | 0,000 |
| PC2435  | 158,70 | 0,030 |
| PC2436  | 158,70 | 0,030 |
| PC2437  | 157,70 | 0,000 |
| PC2438  | 157,70 | 0,000 |
| PC2439  | 157,70 | 0,000 |
| PC243A  | 162,70 | 0,100 |
| PC244   | 233,70 | 0,050 |
| PC2440  | 158,70 | 1,000 |
| PC2441  | 164,70 | 0,000 |
| PC2442  | 164,70 | 0,000 |
| PC2443  | 162,70 | 0,000 |
| PC2444  | 178,70 | 0,000 |
| PC24446 | 179,70 | 0,000 |
| PC2445  | 179,70 | 0,000 |
| PC2447  | 177,82 | 0,200 |
| PC2448  | 178,70 | 0,000 |
| PC2449  | 178,70 | 0,100 |
| PC245   | 246,70 | 0,050 |
| PC2450  | 178,70 | 0,000 |
| PC2451  | 162,70 | 0,000 |
| PC2452  | 162,70 | 0,970 |
| PC2453  | 162,70 | 0,200 |
| PC2454  | 163,70 | 0,000 |
| PC2455  | 163,70 | 0,300 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>166/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC2456 | 163,70 | 0,430 |
| PC2457 | 163,70 | 0,100 |
| PC2458 | 161,70 | 0,000 |
| PC2459 | 161,70 | 0,200 |
| PC246  | 238,70 | 0,000 |
| PC2460 | 161,70 | 0,150 |
| PC2461 | 162,70 | 0,290 |
| PC2462 | 164,70 | 0,000 |
| PC2463 | 160,70 | 0,310 |
| PC2464 | 159,70 | 0,160 |
| PC2465 | 158,70 | 0,000 |
| PC2466 | 160,71 | 0,000 |
| PC2467 | 156,85 | 0,000 |
| PC2468 | 160,61 | 0,030 |
| PC2469 | 160,70 | 0,000 |
| PC246A | 238,70 | 0,000 |
| PC247  | 198,70 | 0,050 |
| PC2470 | 160,70 | 0,030 |
| PC2471 | 160,70 | 0,000 |
| PC2472 | 160,70 | 0,000 |
| PC2473 | 160,70 | 0,030 |
| PC2474 | 179,70 | 0,000 |
| PC2475 | 179,70 | 0,000 |
| PC2476 | 179,70 | 0,200 |
| PC2477 | 179,70 | 0,200 |
| PC2478 | 180,70 | 0,000 |
| PC2479 | 180,70 | 0,200 |
| PC248  | 283,70 | 0,000 |
| PC2481 | 178,70 | 0,000 |
| PC2482 | 178,70 | 0,000 |
| PC2483 | 168,70 | 0,000 |
| PC2484 | 166,70 | 0,000 |
| PC2485 | 178,70 | 0,000 |
| PC2486 | 183,70 | 0,200 |
| PC2487 | 178,70 | 0,000 |
| PC2488 | 182,70 | 0,200 |
| PC2489 | 178,70 | 0,150 |
| PC249  | 258,70 | 0,050 |
| PC2490 | 181,70 | 0,050 |
| PC2491 | 184,70 | 0,000 |
| PC2492 | 162,70 | 0,000 |
| PC2493 | 167,70 | 0,200 |
| PC2494 | 161,70 | 0,200 |
| PC2495 | 162,70 | 0,000 |
| PC2496 | 176,70 | 0,200 |
| PC2497 | 158,49 | 0,000 |
| PC2498 | 158,70 | 0,000 |
| PC2499 | 158,70 | 0,000 |
| PC249A | 258,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>167/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC25   | 266,70 | 0,000 |
| PC250  | 264,70 | 0,050 |
| PC2500 | 157,70 | 0,200 |
| PC2501 | 157,70 | 0,000 |
| PC2502 | 157,70 | 0,000 |
| PC2503 | 158,70 | 0,000 |
| PC2504 | 158,70 | 0,000 |
| PC2505 | 158,70 | 0,200 |
| PC2506 | 158,70 | 0,000 |
| PC2507 | 158,70 | 0,200 |
| PC2508 | 158,70 | 0,200 |
| PC2509 | 156,70 | 0,000 |
| PC251  | 203,70 | 0,050 |
| PC2510 | 157,70 | 0,000 |
| PC2511 | 159,08 | 0,000 |
| PC2512 | 159,62 | 0,000 |
| PC2513 | 159,62 | 0,000 |
| PC2514 | 159,62 | 0,200 |
| PC2515 | 159,13 | 0,000 |
| PC2516 | 158,70 | 0,200 |
| PC2517 | 158,08 | 0,000 |
| PC2518 | 158,08 | 0,000 |
| PC2519 | 158,08 | 0,200 |
| PC252  | 208,70 | 0,000 |
| PC2520 | 158,08 | 0,200 |
| PC2521 | 157,92 | 0,100 |
| PC2522 | 157,70 | 0,100 |
| PC2523 | 157,70 | 0,200 |
| PC2524 | 154,70 | 0,000 |
| PC2525 | 155,70 | 0,000 |
| PC2526 | 156,70 | 0,000 |
| PC2527 | 156,40 | 0,000 |
| PC2528 | 156,70 | 0,200 |
| PC2529 | 156,20 | 0,000 |
| PC253  | 193,70 | 0,050 |
| PC2530 | 156,41 | 0,200 |
| PC2531 | 156,70 | 0,000 |
| PC2532 | 156,70 | 0,000 |
| PC2533 | 156,70 | 0,000 |
| PC2534 | 157,53 | 0,000 |
| PC2535 | 157,70 | 0,000 |
| PC2536 | 157,70 | 0,150 |
| PC2537 | 157,70 | 0,000 |
| PC2538 | 157,53 | 0,000 |
| PC2539 | 157,53 | 0,200 |
| PC254  | 271,70 | 0,000 |
| PC2540 | 157,53 | 0,200 |
| PC2541 | 157,00 | 0,000 |
| PC2542 | 157,00 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>168/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2543 | 157,00 | 0,200 |
| PC2544 | 156,70 | 0,000 |
| PC2545 | 155,13 | 0,200 |
| PC2546 | 154,43 | 0,000 |
| PC2547 | 155,55 | 0,200 |
| PC2548 | 155,62 | 0,000 |
| PC2549 | 156,70 | 0,000 |
| PC255  | 270,70 | 0,050 |
| PC2550 | 156,70 | 0,000 |
| PC2551 | 156,70 | 0,000 |
| PC2552 | 156,70 | 0,000 |
| PC2553 | 156,70 | 0,000 |
| PC2554 | 156,70 | 0,000 |
| PC2555 | 156,70 | 0,000 |
| PC2556 | 156,70 | 0,000 |
| PC2557 | 156,70 | 0,000 |
| PC2558 | 157,00 | 0,000 |
| PC2559 | 156,16 | 0,000 |
| PC256  | 191,70 | 0,050 |
| PC2560 | 157,00 | 0,000 |
| PC2561 | 156,67 | 0,050 |
| PC2562 | 156,58 | 0,150 |
| PC2563 | 159,24 | 0,200 |
| PC2564 | 154,70 | 0,000 |
| PC2565 | 154,51 | 0,200 |
| PC2566 | 154,67 | 0,000 |
| PC2567 | 152,75 | 0,000 |
| PC2568 | 152,79 | 0,000 |
| PC2569 | 152,79 | 0,200 |
| PC257  | 252,70 | 0,000 |
| PC2570 | 151,97 | 0,000 |
| PC2571 | 153,43 | 0,000 |
| PC2572 | 152,63 | 0,000 |
| PC2573 | 152,99 | 0,000 |
| PC2574 | 152,31 | 0,000 |
| PC2575 | 152,23 | 0,200 |
| PC2576 | 152,93 | 0,000 |
| PC2578 | 152,43 | 0,200 |
| PC2579 | 152,47 | 0,090 |
| PC258  | 254,70 | 0,050 |
| PC2580 | 152,67 | 0,200 |
| PC2581 | 153,19 | 0,000 |
| PC2582 | 152,68 | 0,200 |
| PC2583 | 153,59 | 0,200 |
| PC2584 | 153,93 | 0,200 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
169/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2585 | 152,39 | 0,000 |
| PC2586 | 153,43 | 0,200 |
| PC2587 | 152,03 | 0,000 |
| PC2588 | 152,99 | 0,200 |
| PC2589 | 151,53 | 0,200 |
| PC259  | 252,70 | 0,050 |
| PC2590 | 152,20 | 0,000 |
| PC2591 | 152,47 | 0,200 |
| PC2592 | 152,36 | 0,000 |
| PC2593 | 153,90 | 0,200 |
| PC2594 | 153,11 | 0,000 |
| PC2595 | 161,01 | 0,000 |
| PC2596 | 154,36 | 0,200 |
| PC2597 | 153,91 | 0,000 |
| PC2598 | 155,42 | 0,000 |
| PC2599 | 156,36 | 0,200 |
| PC26   | 271,70 | 0,050 |
| PC260  | 260,70 | 0,050 |
| PC2600 | 162,08 | 0,200 |
| PC2601 | 151,79 | 0,200 |
| PC2602 | 158,84 | 0,000 |
| PC2603 | 161,75 | 0,200 |
| PC2604 | 157,49 | 0,000 |
| PC2605 | 157,39 | 0,200 |
| PC2606 | 157,70 | 0,000 |
| PC2607 | 162,70 | 0,000 |
| PC2608 | 158,70 | 0,000 |
| PC2609 | 154,70 | 0,000 |
| PC261  | 269,70 | 0,050 |
| PC2610 | 155,70 | 0,100 |
| PC2611 | 155,70 | 0,000 |
| PC2612 | 155,70 | 0,000 |
| PC2613 | 153,70 | 0,000 |
| PC2614 | 153,70 | 0,000 |
| PC2615 | 152,70 | 0,100 |
| PC2616 | 153,70 | 0,000 |
| PC2617 | 152,70 | 0,100 |
| PC2618 | 153,70 | 0,000 |
| PC2619 | 153,70 | 0,100 |
| PC262  | 230,70 | 0,050 |
| PC2620 | 153,70 | 0,000 |
| PC2621 | 154,70 | 0,100 |
| PC2622 | 153,70 | 0,000 |
| PC2623 | 153,70 | 0,000 |
| PC2624 | 152,70 | 0,100 |
| PC2625 | 154,70 | 0,000 |
| PC2626 | 151,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>170/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC2627 | 151,70 | 0,000 |
| PC2628 | 147,70 | 0,000 |
| PC2629 | 146,70 | 0,050 |
| PC263  | 280,70 | 0,050 |
| PC2630 | 150,70 | 0,000 |
| PC2631 | 149,70 | 0,100 |
| PC2632 | 150,70 | 0,000 |
| PC2633 | 150,70 | 0,100 |
| PC2634 | 150,70 | 0,100 |
| PC2635 | 151,70 | 0,000 |
| PC2636 | 156,70 | 0,000 |
| PC2637 | 156,05 | 0,000 |
| PC2638 | 155,80 | 0,200 |
| PC2639 | 156,70 | 0,200 |
| PC264  | 269,70 | 0,050 |
| PC2640 | 156,70 | 0,140 |
| PC2641 | 157,70 | 0,100 |
| PC2642 | 156,70 | 0,140 |
| PC2643 | 155,70 | 0,050 |
| PC2644 | 155,70 | 0,100 |
| PC2645 | 154,70 | 0,000 |
| PC2646 | 153,70 | 0,100 |
| PC2647 | 156,70 | 0,100 |
| PC2648 | 152,70 | 0,000 |
| PC2649 | 152,70 | 0,000 |
| PC265  | 262,70 | 0,000 |
| PC2650 | 152,70 | 0,100 |
| PC2651 | 155,70 | 0,000 |
| PC2652 | 157,70 | 0,000 |
| PC2653 | 154,70 | 0,050 |
| PC2654 | 157,70 | 0,050 |
| PC2655 | 157,70 | 0,050 |
| PC2656 | 157,70 | 0,100 |
| PC2657 | 156,70 | 0,000 |
| PC2658 | 156,70 | 0,050 |
| PC2659 | 156,70 | 0,050 |
| PC266  | 198,70 | 0,000 |
| PC2660 | 157,70 | 0,100 |
| PC2661 | 156,70 | 0,100 |
| PC2662 | 157,70 | 0,100 |
| PC2663 | 156,70 | 0,000 |
| PC2664 | 156,70 | 0,090 |
| PC2665 | 154,70 | 0,000 |
| PC2666 | 156,70 | 0,050 |
| PC2667 | 158,70 | 0,000 |
| PC2668 | 158,70 | 0,050 |
| PC2669 | 157,70 | 0,050 |
| PC267  | 184,70 | 0,050 |
| PC2670 | 158,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
171/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2671 | 156,70 | 0,100 |
| PC2672 | 156,70 | 0,100 |
| PC2673 | 156,70 | 0,000 |
| PC2674 | 156,70 | 0,100 |
| PC2675 | 156,70 | 0,000 |
| PC2676 | 156,70 | 0,100 |
| PC2677 | 158,70 | 0,000 |
| PC2678 | 158,70 | 0,100 |
| PC2679 | 157,70 | 0,000 |
| PC268  | 230,70 | 0,000 |
| PC2680 | 158,70 | 0,100 |
| PC2681 | 157,70 | 0,000 |
| PC2682 | 157,70 | 0,100 |
| PC2683 | 158,70 | 0,100 |
| PC2684 | 157,70 | 0,100 |
| PC2685 | 157,70 | 0,000 |
| PC2686 | 157,70 | 0,100 |
| PC2687 | 158,70 | 0,000 |
| PC2688 | 159,70 | 0,050 |
| PC2689 | 155,70 | 0,000 |
| PC269  | 206,70 | 0,050 |
| PC2690 | 155,70 | 0,050 |
| PC2691 | 156,70 | 0,000 |
| PC2692 | 156,70 | 0,000 |
| PC2693 | 155,70 | 0,000 |
| PC2694 | 155,70 | 0,000 |
| PC2695 | 155,70 | 0,000 |
| PC2696 | 155,70 | 0,000 |
| PC2697 | 155,70 | 0,000 |
| PC2698 | 155,70 | 0,000 |
| PC2699 | 155,70 | 0,000 |
| PC269A | 206,70 | 0,000 |
| PC27   | 270,70 | 0,000 |
| PC270  | 194,70 | 0,050 |
| PC2700 | 155,70 | 0,000 |
| PC2701 | 154,70 | 0,000 |
| PC2702 | 155,70 | 0,000 |
| PC2703 | 155,70 | 0,000 |
| PC2704 | 153,70 | 0,000 |
| PC2705 | 152,70 | 0,000 |
| PC2706 | 152,70 | 0,210 |
| PC2707 | 152,70 | 0,000 |
| PC2708 | 151,70 | 0,200 |
| PC2709 | 152,70 | 0,000 |
| PC271  | 210,70 | 0,050 |
| PC2710 | 152,70 | 0,200 |
| PC2711 | 152,70 | 0,000 |
| PC2712 | 151,70 | 0,200 |
| PC2713 | 152,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>172/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2714 | 151,70 | 0,200 |
| PC2715 | 152,70 | 0,000 |
| PC2716 | 151,70 | 0,200 |
| PC2717 | 151,70 | 0,000 |
| PC2718 | 151,70 | 0,200 |
| PC2719 | 152,70 | 0,000 |
| PC272  | 189,70 | 0,000 |
| PC2720 | 152,70 | 0,000 |
| PC2721 | 150,70 | 0,100 |
| PC2722 | 150,70 | 0,000 |
| PC2723 | 151,70 | 0,100 |
| PC2724 | 150,70 | 0,100 |
| PC2725 | 151,70 | 0,100 |
| PC2726 | 151,70 | 0,050 |
| PC2727 | 149,70 | 0,100 |
| PC2728 | 150,70 | 0,000 |
| PC2729 | 150,70 | 0,100 |
| PC273  | 194,70 | 0,050 |
| PC2730 | 151,70 | 0,100 |
| PC2731 | 147,70 | 0,000 |
| PC2732 | 150,70 | 0,100 |
| PC2733 | 149,70 | 0,000 |
| PC2734 | 150,70 | 0,100 |
| PC2735 | 149,70 | 0,100 |
| PC2736 | 149,70 | 0,000 |
| PC2737 | 149,70 | 0,190 |
| PC2738 | 149,70 | 0,000 |
| PC2739 | 148,70 | 0,000 |
| PC274  | 189,70 | 0,000 |
| PC2740 | 148,70 | 0,100 |
| PC2741 | 149,70 | 0,100 |
| PC2742 | 149,70 | 0,100 |
| PC2743 | 148,70 | 0,270 |
| PC2744 | 147,70 | 0,100 |
| PC2745 | 147,70 | 0,100 |
| PC2746 | 148,70 | 0,000 |
| PC2747 | 148,70 | 0,000 |
| PC2748 | 149,70 | 0,000 |
| PC2749 | 147,70 | 0,000 |
| PC275  | 181,70 | 0,050 |
| PC2750 | 151,70 | 0,000 |
| PC2751 | 152,70 | 0,000 |
| PC2752 | 151,70 | 0,000 |
| PC2754 | 151,70 | 0,200 |
| PC2755 | 153,70 | 0,200 |
| PC2756 | 152,70 | 0,000 |
| PC2757 | 151,70 | 0,000 |
| PC2758 | 151,70 | 0,000 |
| PC2759 | 151,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>173/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|        |        |       |
|--------|--------|-------|
| PC276  | 184,70 | 0,000 |
| PC277  | 184,70 | 0,000 |
| PC278  | 187,70 | 0,000 |
| PC2780 | 151,70 | 0,000 |
| PC2781 | 151,70 | 0,000 |
| PC2782 | 151,70 | 0,000 |
| PC2783 | 151,70 | 0,000 |
| PC2784 | 151,70 | 0,000 |
| PC2785 | 151,70 | 0,000 |
| PC2786 | 152,70 | 0,000 |
| PC2787 | 152,70 | 0,200 |
| PC2788 | 152,70 | 0,000 |
| PC2789 | 152,70 | 0,200 |
| PC279  | 187,70 | 0,000 |
| PC2790 | 152,70 | 0,000 |
| PC2791 | 150,70 | 0,000 |
| PC2792 | 151,70 | 0,200 |
| PC2793 | 152,70 | 0,000 |
| PC2794 | 152,70 | 0,200 |
| PC2795 | 152,70 | 0,200 |
| PC2796 | 152,70 | 0,000 |
| PC2797 | 151,70 | 0,000 |
| PC2799 | 152,70 | 0,000 |
| PC28   | 270,70 | 0,000 |
| PC280  | 189,70 | 0,050 |
| PC2800 | 152,70 | 0,000 |
| PC2801 | 151,70 | 0,000 |
| PC2802 | 153,91 | 0,000 |
| PC2803 | 153,10 | 0,000 |
| PC2804 | 153,10 | 0,000 |
| PC2805 | 153,37 | 0,000 |
| PC2806 | 153,10 | 0,000 |
| PC2807 | 153,10 | 0,000 |
| PC2808 | 153,16 | 0,000 |
| PC2809 | 153,12 | 0,100 |
| PC281  | 199,70 | 0,050 |
| PC2810 | 153,10 | 0,000 |
| PC2811 | 153,14 | 0,100 |
| PC2812 | 153,63 | 0,000 |
| PC2813 | 153,24 | 0,100 |
| PC2814 | 153,00 | 0,000 |
| PC2815 | 152,95 | 0,000 |
| PC2816 | 153,47 | 0,000 |
| PC2817 | 153,79 | 0,000 |
| PC2818 | 153,43 | 0,100 |
| PC2819 | 153,69 | 0,000 |
| PC282  | 179,70 | 0,050 |
| PC2820 | 153,69 | 0,000 |
| PC2821 | 153,72 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
174/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2822 | 153,58 | 0,000 |
| PC2823 | 153,69 | 0,100 |
| PC2824 | 153,64 | 0,000 |
| PC2825 | 153,34 | 0,000 |
| PC2826 | 153,63 | 0,000 |
| PC2827 | 153,50 | 0,100 |
| PC2828 | 153,62 | 0,000 |
| PC2829 | 153,70 | 0,000 |
| PC283  | 209,70 | 0,050 |
| PC2830 | 153,47 | 0,000 |
| PC2831 | 153,70 | 0,000 |
| PC2832 | 154,20 | 0,100 |
| PC2833 | 152,48 | 0,100 |
| PC2834 | 154,70 | 0,000 |
| PC2835 | 154,70 | 0,000 |
| PC2836 | 155,20 | 0,000 |
| PC2837 | 154,30 | 0,100 |
| PC2838 | 154,70 | 0,000 |
| PC2839 | 154,70 | 0,000 |
| PC284  | 184,70 | 0,050 |
| PC2840 | 154,70 | 0,000 |
| PC2841 | 154,88 | 0,000 |
| PC2842 | 154,88 | 0,000 |
| PC2843 | 154,88 | 0,030 |
| PC2844 | 154,70 | 0,040 |
| PC2845 | 154,70 | 0,000 |
| PC2846 | 155,06 | 0,030 |
| PC2847 | 154,70 | 0,000 |
| PC2848 | 155,13 | 0,000 |
| PC2849 | 154,70 | 0,000 |
| PC285  | 191,70 | 0,050 |
| PC2850 | 155,70 | 0,040 |
| PC2851 | 155,48 | 0,030 |
| PC2852 | 155,70 | 0,030 |
| PC2853 | 155,61 | 0,000 |
| PC2854 | 155,70 | 0,000 |
| PC2855 | 154,75 | 0,100 |
| PC2856 | 155,70 | 0,100 |
| PC2857 | 155,59 | 0,100 |
| PC2858 | 154,70 | 0,000 |
| PC2859 | 154,70 | 0,000 |
| PC286  | 182,70 | 0,050 |
| PC2860 | 154,70 | 0,100 |
| PC2861 | 155,70 | 0,100 |
| PC2862 | 155,70 | 0,100 |
| PC2863 | 155,70 | 0,100 |
| PC2864 | 156,51 | 0,100 |
| PC2865 | 154,97 | 0,000 |
| PC2866 | 154,97 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>175/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC2867 | 154,92 | 0,000 |
| PC2868 | 155,19 | 0,000 |
| PC2869 | 156,45 | 0,100 |
| PC287  | 191,70 | 0,050 |
| PC2870 | 155,29 | 0,000 |
| PC2871 | 154,95 | 0,100 |
| PC2872 | 155,34 | 0,000 |
| PC2873 | 155,78 | 0,100 |
| PC2874 | 155,62 | 0,100 |
| PC2875 | 155,77 | 0,100 |
| PC2876 | 155,20 | 0,000 |
| PC2877 | 156,41 | 0,100 |
| PC2878 | 157,01 | 0,000 |
| PC2879 | 156,62 | 0,100 |
| PC288  | 183,09 | 0,000 |
| PC2880 | 156,29 | 0,130 |
| PC2881 | 155,99 | 0,100 |
| PC2882 | 155,75 | 0,000 |
| PC2883 | 155,74 | 0,000 |
| PC2884 | 155,70 | 0,100 |
| PC2885 | 156,12 | 0,000 |
| PC2886 | 155,73 | 0,000 |
| PC2887 | 155,70 | 0,100 |
| PC2888 | 156,72 | 0,100 |
| PC2889 | 155,70 | 0,000 |
| PC289  | 179,28 | 0,000 |
| PC2890 | 156,70 | 0,000 |
| PC2891 | 157,70 | 0,000 |
| PC2892 | 157,70 | 0,000 |
| PC2893 | 157,70 | 0,100 |
| PC2894 | 157,70 | 0,000 |
| PC2895 | 157,70 | 0,100 |
| PC2896 | 156,70 | 0,100 |
| PC2897 | 157,70 | 0,100 |
| PC2898 | 157,70 | 0,100 |
| PC2899 | 157,70 | 0,000 |
| PC28A  | 270,70 | 0,000 |
| PC29   | 242,70 | 0,000 |
| PC290  | 179,04 | 0,000 |
| PC2900 | 157,70 | 0,060 |
| PC2901 | 158,70 | 0,100 |
| PC2902 | 159,70 | 0,100 |
| PC2903 | 158,70 | 0,000 |
| PC2904 | 155,15 | 0,000 |
| PC2905 | 155,76 | 0,100 |
| PC2906 | 152,93 | 0,000 |
| PC2907 | 152,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>176/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2908 | 153,50 | 0,000 |
| PC2909 | 152,53 | 0,100 |
| PC291  | 191,09 | 0,100 |
| PC2910 | 152,08 | 0,100 |
| PC2911 | 151,70 | 0,000 |
| PC2912 | 151,36 | 0,100 |
| PC2913 | 153,00 | 0,000 |
| PC2914 | 152,00 | 0,100 |
| PC2915 | 152,70 | 0,000 |
| PC2916 | 152,79 | 0,000 |
| PC2917 | 152,70 | 0,100 |
| PC2918 | 152,57 | 0,030 |
| PC2919 | 152,70 | 0,000 |
| PC292  | 175,16 | 0,040 |
| PC2920 | 150,73 | 0,000 |
| PC2921 | 150,26 | 0,100 |
| PC2922 | 151,09 | 0,100 |
| PC2923 | 151,60 | 0,030 |
| PC2924 | 150,61 | 0,030 |
| PC2925 | 150,70 | 0,040 |
| PC2926 | 150,70 | 0,000 |
| PC2927 | 148,70 | 0,060 |
| PC2928 | 148,70 | 0,030 |
| PC2929 | 149,70 | 0,000 |
| PC292A | 175,16 | 0,000 |
| PC293  | 179,70 | 0,000 |
| PC2930 | 148,70 | 0,000 |
| PC2931 | 148,70 | 0,100 |
| PC2932 | 148,70 | 0,030 |
| PC2933 | 148,70 | 0,050 |
| PC2934 | 148,70 | 0,030 |
| PC2935 | 148,70 | 0,100 |
| PC2936 | 148,70 | 0,000 |
| PC2937 | 148,70 | 0,000 |
| PC2938 | 148,70 | 0,030 |
| PC2939 | 148,70 | 0,000 |
| PC294  | 182,70 | 0,050 |
| PC2940 | 148,70 | 0,030 |
| PC2941 | 148,70 | 0,000 |
| PC2942 | 148,70 | 0,000 |
| PC2943 | 148,70 | 0,000 |
| PC2944 | 148,70 | 0,000 |
| PC2945 | 148,70 | 0,000 |
| PC2946 | 148,70 | 0,100 |
| PC2947 | 148,70 | 0,000 |
| PC2948 | 148,70 | 0,220 |
| PC2949 | 148,70 | 0,000 |
| PC295  | 177,70 | 0,000 |
| PC2950 | 148,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

177/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2951 | 148,70 | 0,100 |
| PC2952 | 148,70 | 0,050 |
| PC2953 | 148,70 | 0,190 |
| PC2954 | 146,70 | 0,110 |
| PC2955 | 146,70 | 0,180 |
| PC2956 | 146,70 | 0,000 |
| PC2957 | 145,70 | 0,080 |
| PC2958 | 145,70 | 0,030 |
| PC2959 | 145,70 | 0,030 |
| PC296  | 177,70 | 0,050 |
| PC2960 | 145,70 | 0,030 |
| PC2961 | 145,70 | 0,040 |
| PC2962 | 145,70 | 0,060 |
| PC2963 | 146,70 | 0,100 |
| PC2964 | 145,70 | 0,000 |
| PC2965 | 147,70 | 0,040 |
| PC2966 | 146,70 | 0,000 |
| PC2967 | 146,70 | 0,040 |
| PC2968 | 145,70 | 0,000 |
| PC2969 | 145,70 | 0,040 |
| PC297  | 184,00 | 0,000 |
| PC2970 | 145,70 | 0,000 |
| PC2971 | 145,70 | 0,100 |
| PC2972 | 145,70 | 0,000 |
| PC2973 | 145,70 | 0,100 |
| PC2974 | 147,70 | 0,100 |
| PC2975 | 145,70 | 0,050 |
| PC2976 | 146,70 | 0,040 |
| PC2977 | 146,70 | 0,060 |
| PC2978 | 145,70 | 0,060 |
| PC2979 | 145,70 | 0,060 |
| PC297A | 184,00 | 0,000 |
| PC298  | 184,75 | 0,050 |
| PC2980 | 146,70 | 0,080 |
| PC2981 | 148,70 | 0,030 |
| PC2982 | 147,70 | 0,000 |
| PC2983 | 147,70 | 0,000 |
| PC2984 | 148,70 | 0,000 |
| PC2985 | 147,70 | 0,100 |
| PC2986 | 146,70 | 0,000 |
| PC2987 | 146,70 | 0,030 |
| PC2988 | 145,70 | 0,000 |
| PC2989 | 145,70 | 0,000 |
| PC299  | 182,03 | 0,050 |
| PC2990 | 145,70 | 0,100 |
| PC2991 | 145,70 | 0,100 |
| PC2992 | 148,70 | 0,200 |
| PC2993 | 148,70 | 0,150 |
| PC2994 | 147,70 | 0,030 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>178/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2995 | 147,70 | 0,040 |
| PC2996 | 147,70 | 0,040 |
| PC2997 | 147,70 | 0,060 |
| PC2998 | 147,70 | 0,040 |
| PC2999 | 147,70 | 0,040 |
| PC3    | 242,70 | 0,050 |
| PC30   | 249,70 | 0,050 |
| PC300  | 184,52 | 0,050 |
| PC3000 | 148,70 | 0,040 |
| PC3001 | 146,70 | 0,040 |
| PC3002 | 146,70 | 0,050 |
| PC3003 | 146,70 | 0,050 |
| PC3004 | 146,70 | 0,000 |
| PC3005 | 146,70 | 0,050 |
| PC3006 | 147,70 | 0,100 |
| PC3007 | 148,70 | 0,150 |
| PC3008 | 147,70 | 0,170 |
| PC3009 | 147,70 | 0,050 |
| PC301  | 183,10 | 0,000 |
| PC3010 | 146,70 | 0,040 |
| PC3011 | 146,70 | 0,000 |
| PC3012 | 145,70 | 0,000 |
| PC3013 | 145,70 | 0,000 |
| PC3014 | 145,70 | 0,050 |
| PC3015 | 145,70 | 0,050 |
| PC3016 | 145,70 | 0,030 |
| PC3017 | 145,70 | 0,000 |
| PC3018 | 145,70 | 0,030 |
| PC3019 | 145,70 | 0,060 |
| PC3020 | 145,70 | 0,050 |
| PC3021 | 145,70 | 0,030 |
| PC3022 | 145,70 | 0,000 |
| PC3023 | 145,70 | 0,060 |
| PC3024 | 145,70 | 0,050 |
| PC3025 | 145,70 | 0,030 |
| PC3026 | 145,70 | 0,030 |
| PC3027 | 145,70 | 0,000 |
| PC3028 | 145,70 | 0,030 |
| PC3029 | 144,70 | 0,040 |
| PC302A | 181,96 | 0,000 |
| PC303  | 181,76 | 0,030 |
| PC3030 | 144,70 | 0,000 |
| PC3031 | 144,70 | 0,040 |
| PC3032 | 145,70 | 0,040 |
| PC3033 | 145,70 | 0,040 |
| PC3034 | 145,70 | 0,040 |
| PC3035 | 145,70 | 0,030 |
| PC3036 | 145,70 | 0,040 |
| PC3037 | 145,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

179/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC3038 | 145,70 | 0,100 |
| PC3039 | 145,70 | 0,100 |
| PC304  | 180,71 | 0,030 |
| PC3040 | 146,70 | 0,040 |
| PC3041 | 146,70 | 0,000 |
| PC3042 | 146,70 | 0,030 |
| PC3043 | 146,70 | 0,000 |
| PC3044 | 146,70 | 0,100 |
| PC3045 | 146,70 | 0,020 |
| PC3046 | 146,70 | 0,000 |
| PC3047 | 146,70 | 0,040 |
| PC3048 | 146,70 | 0,000 |
| PC3049 | 146,70 | 0,040 |
| PC305  | 184,34 | 0,000 |
| PC3050 | 146,70 | 0,030 |
| PC3051 | 144,70 | 0,050 |
| PC3052 | 145,70 | 0,100 |
| PC3053 | 145,70 | 0,100 |
| PC3054 | 144,70 | 0,050 |
| PC3055 | 145,70 | 0,100 |
| PC3056 | 145,70 | 0,100 |
| PC3057 | 145,70 | 0,180 |
| PC3058 | 144,70 | 0,100 |
| PC3059 | 145,70 | 0,000 |
| PC306  | 185,96 | 0,000 |
| PC3060 | 144,70 | 0,100 |
| PC3061 | 146,70 | 0,100 |
| PC3062 | 146,70 | 0,100 |
| PC3063 | 146,70 | 0,100 |
| PC3064 | 145,70 | 0,000 |
| PC3065 | 145,70 | 0,000 |
| PC3066 | 145,70 | 0,000 |
| PC3067 | 146,14 | 0,100 |
| PC3068 | 144,86 | 0,100 |
| PC3069 | 146,47 | 0,100 |
| PC307  | 182,09 | 0,000 |
| PC3070 | 146,96 | 0,020 |
| PC3071 | 146,88 | 0,000 |
| PC3072 | 146,65 | 0,100 |
| PC3073 | 146,68 | 0,000 |
| PC3074 | 146,94 | 0,100 |
| PC3075 | 146,24 | 0,000 |
| PC3076 | 146,97 | 0,100 |
| PC3077 | 146,74 | 0,000 |
| PC3078 | 147,26 | 0,050 |
| PC3079 | 147,52 | 0,100 |
| PC308  | 183,02 | 0,040 |
| PC3080 | 145,33 | 0,200 |
| PC3081 | 144,97 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb

Ulica grada Vukovara 220

10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJE

Stranica:

180/512

Nadnevak:

17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC3082 | 145,15 | 0,000 |
| PC3084 | 145,32 | 0,000 |
| PC3086 | 144,99 | 0,000 |
| PC3087 | 145,35 | 0,000 |
| PC3088 | 145,57 | 0,000 |
| PC3089 | 145,59 | 0,200 |
| PC309  | 181,02 | 0,000 |
| PC3090 | 145,68 | 0,000 |
| PC3091 | 144,78 | 0,140 |
| PC3092 | 145,79 | 0,200 |
| PC3093 | 145,23 | 0,000 |
| PC3094 | 146,98 | 0,200 |
| PC3095 | 145,18 | 0,000 |
| PC3096 | 145,20 | 0,000 |
| PC3097 | 146,70 | 0,000 |
| PC3098 | 146,70 | 0,100 |
| PC3099 | 146,70 | 0,100 |
| PC31   | 193,70 | 0,000 |
| PC310  | 174,87 | 0,000 |
| PC3100 | 145,70 | 0,100 |
| PC3101 | 145,70 | 0,000 |
| PC3102 | 146,70 | 0,100 |
| PC3103 | 144,70 | 0,110 |
| PC3104 | 145,70 | 0,000 |
| PC3105 | 145,70 | 0,000 |
| PC3106 | 144,70 | 0,100 |
| PC3107 | 145,70 | 0,100 |
| PC3108 | 144,70 | 0,100 |
| PC3109 | 144,70 | 0,100 |
| PC311  | 182,53 | 0,040 |
| PC3110 | 145,70 | 0,000 |
| 3      | 260,00 | 0,000 |
| PC3111 | 144,70 | 0,100 |
| PC3112 | 144,70 | 0,000 |
| PC3113 | 144,70 | 0,000 |
| PC3114 | 144,70 | 0,000 |
| PC3115 | 144,70 | 0,000 |
| PC3116 | 144,70 | 0,000 |
| PC3117 | 144,70 | 0,000 |
| PC3118 | 144,70 | 0,000 |
| PC3119 | 144,70 | 0,200 |
| PC312  | 172,15 | 0,040 |
| PC3120 | 144,70 | 0,200 |
| PC3121 | 144,70 | 0,000 |
| PC3122 | 142,70 | 0,200 |
| PC3123 | 146,70 | 0,200 |
| PC3124 | 146,70 | 0,000 |
| PC3125 | 145,70 | 0,200 |
| PC3126 | 148,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |  |  |
|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>181/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC3127 | 148,70 | 0,200 |
| PC3128 | 150,70 | 0,000 |
| PC3129 | 149,70 | 0,200 |
| PC313  | 182,40 | 0,000 |
| PC3130 | 148,70 | 0,000 |
| PC3131 | 148,70 | 0,200 |
| PC3132 | 144,70 | 0,200 |
| PC3133 | 144,70 | 0,200 |
| PC3134 | 144,70 | 0,000 |
| PC3135 | 143,70 | 0,200 |
| PC3136 | 145,70 | 0,000 |
| PC3137 | 144,70 | 0,000 |
| PC3138 | 144,70 | 0,200 |
| PC3139 | 144,70 | 0,200 |
| PC314  | 180,37 | 0,040 |
| PC3140 | 152,70 | 0,100 |
| PC3141 | 150,70 | 0,100 |
| PC3142 | 147,70 | 0,000 |
| PC3143 | 147,70 | 0,100 |
| PC3144 | 147,70 | 0,100 |
| PC3145 | 151,70 | 0,100 |
| PC3146 | 148,70 | 0,060 |
| PC3147 | 147,70 | 0,040 |
| PC3148 | 147,70 | 0,040 |
| PC3149 | 147,70 | 0,000 |
| PC315  | 183,16 | 0,000 |
| PC3150 | 147,70 | 0,060 |
| PC3151 | 152,70 | 0,000 |
| PC3152 | 152,70 | 0,100 |
| PC3153 | 151,70 | 0,000 |
| PC3154 | 150,70 | 0,000 |
| PC3155 | 150,70 | 0,100 |
| PC3156 | 152,70 | 0,000 |
| PC3157 | 151,70 | 0,000 |
| PC3158 | 151,70 | 0,000 |
| PC3159 | 151,70 | 0,100 |
| PC316  | 179,65 | 0,000 |
| PC3160 | 151,70 | 0,000 |
| PC3161 | 153,70 | 0,100 |
| PC3162 | 151,70 | 0,000 |
| PC3163 | 152,70 | 0,000 |
| PC3164 | 150,70 | 0,000 |
| PC3165 | 150,70 | 0,000 |
| PC3166 | 150,70 | 0,100 |
| PC3167 | 149,70 | 0,000 |
| PC3168 | 149,70 | 0,000 |
| PC3169 | 148,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>182/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|        |        |       |
|--------|--------|-------|
| PC317  | 178,06 | 0,000 |
| PC3170 | 149,70 | 0,000 |
| PC3171 | 149,70 | 0,000 |
| PC3172 | 149,70 | 0,000 |
| PC3173 | 148,70 | 0,000 |
| PC3174 | 149,70 | 0,000 |
| PC3175 | 149,70 | 0,000 |
| PC3176 | 149,70 | 0,000 |
| PC3177 | 149,70 | 0,060 |
| PC3178 | 149,70 | 0,050 |
| PC3179 | 150,70 | 0,000 |
| PC318  | 181,09 | 0,100 |
| PC3180 | 147,70 | 0,000 |
| PC3181 | 148,70 | 0,000 |
| PC3182 | 151,70 | 0,000 |
| PC3183 | 151,70 | 0,000 |
| PC3184 | 152,70 | 0,100 |
| PC3185 | 146,70 | 0,000 |
| PC3186 | 146,70 | 0,100 |
| PC3187 | 147,70 | 0,000 |
| PC3188 | 149,70 | 0,000 |
| PC3189 | 150,70 | 0,000 |
| PC319  | 180,10 | 0,100 |
| PC3190 | 150,70 | 0,000 |
| PC3191 | 149,70 | 0,000 |
| PC3192 | 148,70 | 0,000 |
| PC3193 | 147,70 | 0,100 |
| PC3194 | 154,70 | 0,000 |
| PC3195 | 151,70 | 0,000 |
| PC3196 | 152,70 | 0,100 |
| PC3197 | 150,70 | 0,000 |
| PC3198 | 150,70 | 0,100 |
| PC3199 | 149,70 | 0,000 |
| PC32   | 193,70 | 0,050 |
| PC320  | 181,30 | 0,000 |
| PC3200 | 150,70 | 0,000 |
| PC3201 | 150,70 | 0,000 |
| PC3202 | 151,70 | 0,000 |
| PC3203 | 154,70 | 0,000 |
| PC3204 | 155,70 | 0,000 |
| PC3205 | 155,70 | 0,000 |
| PC3206 | 155,70 | 0,100 |
| PC3207 | 152,70 | 0,000 |
| PC3208 | 152,70 | 0,000 |
| PC3209 | 152,70 | 0,100 |
| PC321  | 181,87 | 0,000 |
| PC3210 | 152,70 | 0,000 |
| PC3211 | 151,70 | 0,000 |
| PC3212 | 151,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |  |  |
|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>183/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC3213 | 150,70 | 0,000 |
| PC3214 | 149,70 | 0,100 |
| PC3215 | 155,70 | 0,100 |
| PC3216 | 152,70 | 0,000 |
| PC3217 | 152,70 | 0,100 |
| PC3218 | 151,70 | 0,000 |
| PC3219 | 154,70 | 0,000 |
| PC322  | 168,72 | 0,040 |
| PC3220 | 152,70 | 0,180 |
| PC3221 | 153,70 | 0,000 |
| PC3222 | 153,70 | 0,100 |
| PC3223 | 156,70 | 0,000 |
| PC3224 | 156,70 | 0,100 |
| PC3225 | 156,70 | 0,100 |
| PC3226 | 154,70 | 0,000 |
| PC3227 | 154,70 | 0,100 |
| PC3228 | 153,70 | 0,000 |
| PC3229 | 154,70 | 0,100 |
| PC3230 | 155,70 | 0,000 |
| PC3231 | 154,70 | 0,050 |
| PC3232 | 155,70 | 0,000 |
| PC3233 | 156,70 | 0,050 |
| PC3234 | 156,70 | 0,000 |
| PC3235 | 156,70 | 0,000 |
| PC3236 | 156,70 | 0,000 |
| PC3237 | 146,70 | 0,000 |
| PC3238 | 144,70 | 0,100 |
| PC3239 | 143,70 | 0,000 |
| PC324  | 182,40 | 0,040 |
| PC3240 | 143,70 | 0,100 |
| PC3241 | 144,70 | 0,000 |
| PC3242 | 143,70 | 0,100 |
| PC3243 | 143,70 | 0,000 |
| PC3244 | 143,70 | 0,110 |
| PC3245 | 144,70 | 0,000 |
| PC3246 | 144,70 | 0,000 |
| PC3247 | 143,70 | 0,000 |
| PC3248 | 143,70 | 0,100 |
| PC3249 | 143,70 | 0,100 |
| PC325  | 180,34 | 0,000 |
| PC3250 | 144,70 | 0,000 |
| PC3251 | 144,70 | 0,000 |
| PC3252 | 144,70 | 0,000 |
| PC3253 | 144,70 | 0,100 |
| PC3254 | 144,70 | 0,100 |
| PC3255 | 144,70 | 0,000 |
| PC3256 | 144,70 | 0,000 |
| PC3257 | 144,70 | 0,000 |
| PC3258 | 143,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
184/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC3259 | 143,70 | 0,200 |
| PC326  | 181,56 | 0,040 |
| PC3260 | 143,70 | 0,200 |
| PC3261 | 143,70 | 0,000 |
| PC3262 | 143,70 | 0,000 |
| PC3263 | 143,70 | 0,200 |
| PC3264 | 143,70 | 0,200 |
| PC3265 | 143,70 | 0,000 |
| PC3266 | 142,70 | 0,200 |
| PC3267 | 143,70 | 0,000 |
| PC3268 | 143,70 | 0,000 |
| PC3269 | 142,70 | 0,000 |
| PC327  | 180,44 | 0,000 |
| PC3270 | 142,70 | 0,200 |
| PC3271 | 142,70 | 0,000 |
| PC3272 | 143,70 | 0,000 |
| PC3273 | 143,70 | 0,000 |
| PC3274 | 143,70 | 0,000 |
| PC3275 | 144,70 | 0,100 |
| PC3276 | 144,70 | 0,100 |
| PC3277 | 143,70 | 0,000 |
| PC3278 | 143,70 | 0,000 |
| PC3279 | 143,70 | 0,000 |
| PC328  | 167,97 | 0,040 |
| PC3280 | 143,70 | 0,200 |
| PC3281 | 143,70 | 0,000 |
| PC3282 | 143,70 | 0,200 |
| PC3283 | 144,70 | 0,000 |
| PC3284 | 144,70 | 0,160 |
| PC3285 | 144,70 | 0,100 |
| PC3286 | 144,70 | 0,000 |
| PC3287 | 143,70 | 0,200 |
| PC3288 | 144,70 | 0,000 |
| PC3289 | 144,70 | 0,100 |
| PC329  | 180,82 | 0,050 |
| PC3290 | 142,70 | 0,000 |
| PC3291 | 142,70 | 0,000 |
| PC3292 | 142,70 | 0,200 |
| PC3293 | 143,70 | 0,200 |
| PC3294 | 143,70 | 0,000 |
| PC3295 | 143,70 | 0,000 |
| PC3296 | 143,70 | 0,000 |
| PC3297 | 144,70 | 0,250 |
| PC3298 | 143,70 | 0,190 |
| PC3299 | 142,70 | 0,000 |
| PC33   | 193,70 | 0,000 |
| PC330  | 182,95 | 0,050 |
| PC3300 | 142,70 | 0,000 |
| PC3301 | 143,70 | 0,250 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
185/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC3302 | 143,70 | 0,000 |
| PC3303 | 143,70 | 0,000 |
| PC3304 | 143,70 | 0,000 |
| PC3305 | 143,70 | 0,000 |
| PC3306 | 143,70 | 0,000 |
| PC3307 | 143,70 | 0,000 |
| PC3308 | 143,70 | 0,000 |
| PC3309 | 143,70 | 0,000 |
| PC331  | 181,16 | 0,000 |
| PC3310 | 143,70 | 0,250 |
| PC3311 | 143,70 | 0,000 |
| PC3312 | 144,70 | 0,250 |
| PC3313 | 143,70 | 0,000 |
| PC3314 | 142,70 | 0,250 |
| PC3315 | 142,70 | 0,000 |
| PC3316 | 142,70 | 0,250 |
| PC3317 | 142,70 | 0,000 |
| PC3318 | 142,70 | 0,250 |
| PC3319 | 143,70 | 0,000 |
| PC332  | 182,32 | 0,050 |
| PC3320 | 143,70 | 0,250 |
| PC3321 | 143,70 | 0,000 |
| PC3322 | 144,70 | 0,000 |
| PC3323 | 144,70 | 0,000 |
| PC3324 | 144,70 | 0,250 |
| PC3325 | 145,70 | 0,000 |
| PC3326 | 144,70 | 0,250 |
| PC3327 | 143,70 | 0,000 |
| PC3328 | 143,70 | 0,100 |
| PC3329 | 143,70 | 0,000 |
| PC333  | 171,24 | 0,000 |
| PC3330 | 144,70 | 0,000 |
| PC3331 | 144,70 | 0,000 |
| PC3332 | 144,70 | 0,250 |
| PC3333 | 143,70 | 0,000 |
| PC3334 | 143,70 | 0,150 |
| PC3335 | 143,70 | 0,000 |
| PC3336 | 142,70 | 0,250 |
| PC3337 | 145,70 | 0,000 |
| PC3338 | 145,70 | 0,000 |
| PC3339 | 142,70 | 0,000 |
| PC334  | 175,63 | 0,050 |
| PC3341 | 143,70 | 0,000 |
| PC3342 | 142,70 | 0,250 |
| PC3343 | 142,70 | 0,000 |
| PC3344 | 142,70 | 0,250 |
| PC3345 | 143,70 | 0,250 |
| PC3346 | 144,70 | 0,000 |
| PC3347 | 145,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
186/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC3348  | 144,70 | 0,000 |
| PC3349  | 144,70 | 0,000 |
| PC3349A | 144,70 | 0,000 |
| PC335   | 169,12 | 0,000 |
| PC3350  | 144,70 | 0,000 |
| PC3351  | 145,70 | 0,000 |
| PC3352  | 146,70 | 0,040 |
| PC3353  | 147,70 | 0,050 |
| PC3354  | 147,70 | 0,050 |
| PC3355  | 146,70 | 0,000 |
| PC3356  | 147,70 | 0,000 |
| PC3357  | 147,70 | 0,000 |
| PC3358  | 147,70 | 0,000 |
| PC3359  | 147,70 | 0,000 |
| PC336   | 163,20 | 0,050 |
| PC3360  | 147,70 | 0,000 |
| PC3361  | 147,70 | 0,000 |
| PC3362  | 146,70 | 0,100 |
| PC3363  | 146,70 | 0,100 |
| PC3364  | 146,70 | 0,000 |
| PC3365  | 146,70 | 0,000 |
| PC3366  | 144,70 | 0,000 |
| PC3367  | 145,70 | 0,000 |
| PC3368  | 145,70 | 0,040 |
| PC3369  | 144,70 | 0,030 |
| PC337   | 163,23 | 0,050 |
| PC3370  | 144,70 | 0,020 |
| PC3371  | 144,70 | 0,030 |
| PC3372  | 144,70 | 0,030 |
| PC3373  | 143,70 | 0,040 |
| PC3374  | 145,70 | 0,000 |
| PC3375  | 145,70 | 0,000 |
| PC3376  | 145,70 | 0,030 |
| PC3377  | 145,70 | 0,030 |
| PC3378  | 145,70 | 0,000 |
| PC3379  | 145,70 | 0,000 |
| PC338   | 162,51 | 0,000 |
| PC3380  | 145,70 | 0,040 |
| PC3381  | 143,70 | 0,000 |
| PC3382  | 144,70 | 0,040 |
| PC3383  | 142,70 | 0,000 |
| PC3384  | 141,70 | 0,040 |
| PC3385  | 143,70 | 0,000 |
| PC3386  | 144,70 | 0,000 |
| PC3387  | 144,70 | 0,000 |
| PC3388  | 144,70 | 0,030 |
| PC3389  | 144,70 | 0,030 |
| PC339   | 176,06 | 0,050 |
| PC3390  | 141,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>187/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC3391 | 141,70 | 0,000 |
| PC3392 | 140,70 | 0,000 |
| PC3393 | 141,70 | 0,100 |
| PC3394 | 141,70 | 0,000 |
| PC3395 | 142,70 | 0,000 |
| PC3396 | 142,70 | 0,090 |
| PC3397 | 142,70 | 0,000 |
| PC3398 | 142,70 | 0,000 |
| PC3399 | 141,70 | 0,100 |
| PC339A | 163,70 | 0,050 |
| PC34   | 205,70 | 0,050 |
| PC340  | 179,30 | 0,000 |
| PC3400 | 141,70 | 0,000 |
| PC3401 | 141,70 | 0,100 |
| PC3402 | 141,70 | 0,000 |
| PC3403 | 141,70 | 0,100 |
| PC3404 | 141,70 | 0,100 |
| PC3405 | 142,70 | 0,000 |
| PC3406 | 142,70 | 0,100 |
| PC3407 | 141,70 | 0,000 |
| PC3408 | 141,70 | 0,100 |
| PC3409 | 141,70 | 0,000 |
| PC341  | 179,25 | 0,000 |
| PC3410 | 142,70 | 0,100 |
| PC3411 | 142,70 | 0,000 |
| PC3412 | 142,70 | 0,000 |
| PC3413 | 141,70 | 0,000 |
| PC3414 | 141,70 | 0,100 |
| PC3415 | 141,70 | 0,000 |
| PC3416 | 141,70 | 0,100 |
| PC3417 | 141,70 | 0,040 |
| PC3418 | 141,70 | 0,050 |
| PC3419 | 141,70 | 0,050 |
| PC342  | 179,02 | 0,000 |
| PC3420 | 140,70 | 0,050 |
| PC3421 | 140,70 | 0,000 |
| PC3422 | 140,70 | 0,000 |
| PC3423 | 140,70 | 0,050 |
| PC3424 | 140,70 | 0,050 |
| PC3425 | 141,70 | 0,070 |
| PC3426 | 142,70 | 0,050 |
| PC3427 | 141,32 | 0,000 |
| PC3428 | 143,70 | 0,000 |
| PC3429 | 142,70 | 0,000 |
| PC343  | 180,07 | 0,000 |
| PC3430 | 142,70 | 0,100 |
| PC3431 | 142,70 | 0,000 |
| PC3432 | 140,70 | 0,000 |
| PC3433 | 140,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>188/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|        |        |       |
|--------|--------|-------|
| PC3434 | 141,70 | 0,000 |
| PC3435 | 141,70 | 0,000 |
| PC3436 | 141,70 | 0,100 |
| PC3437 | 141,70 | 0,100 |
| PC3438 | 142,70 | 0,000 |
| PC3439 | 142,70 | 0,100 |
| PC344  | 180,07 | 0,000 |
| PC3440 | 141,70 | 0,090 |
| PC3441 | 141,70 | 0,100 |
| PC3442 | 144,70 | 0,030 |
| PC344A | 179,01 | 0,050 |
| PC345  | 180,65 | 0,000 |
| PC346  | 178,39 | 0,050 |
| PC347  | 178,21 | 0,000 |
| PC348  | 178,58 | 0,050 |
| PC349  | 177,24 | 0,000 |
| PC35   | 204,70 | 0,000 |
| PC350  | 162,79 | 0,050 |
| PC350A | 144,70 | 0,000 |
| PC350B | 144,70 | 0,000 |
| PC350C | 144,70 | 0,000 |
| PC351  | 170,70 | 0,000 |
| PC352  | 176,08 | 0,050 |
| PC353  | 174,53 | 0,000 |
| PC354  | 163,62 | 0,000 |
| PC355  | 164,30 | 0,050 |
| PC356  | 163,39 | 0,050 |
| PC357  | 171,30 | 0,000 |
| PC358  | 169,56 | 0,050 |
| PC359  | 170,12 | 0,050 |
| PC36   | 228,70 | 0,050 |
| PC360  | 166,39 | 0,000 |
| PC361  | 165,54 | 0,050 |
| PC362  | 177,70 | 0,000 |
| PC363  | 178,70 | 0,050 |
| PC364  | 180,70 | 0,000 |
| PC365  | 180,70 | 0,000 |
| PC366  | 181,70 | 0,000 |
| PC367  | 181,70 | 0,000 |
| PC368  | 179,70 | 0,050 |
| PC37   | 218,70 | 0,050 |
| PC373  | 178,70 | 0,000 |
| PC374  | 177,70 | 0,050 |
| PC375  | 177,70 | 0,000 |
| PC376  | 164,70 | 0,100 |
| PC377  | 161,70 | 0,000 |
| PC378  | 164,70 | 0,050 |
| PC379  | 160,70 | 0,000 |
| PC38   | 290,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRIBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
189/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC380  | 160,70 | 0,000 |
| PC381  | 160,70 | 0,000 |
| PC382  | 164,70 | 0,000 |
| PC382A | 164,70 | 0,000 |
| PC382B | 164,70 | 0,000 |
| PC383  | 164,70 | 0,000 |
| PC384  | 163,20 | 0,000 |
| PC385  | 161,70 | 0,000 |
| PC386  | 162,70 | 0,000 |
| PC387  | 157,70 | 0,000 |
| PC388  | 169,70 | 0,120 |
| PC388A | 169,70 | 0,000 |
| PC389  | 167,70 | 0,150 |
| PC39   | 278,70 | 0,050 |
| PC390  | 168,70 | 0,020 |
| PC391  | 165,70 | 0,100 |
| PC392  | 165,70 | 0,100 |
| PC393  | 165,70 | 0,000 |
| PC394  | 165,70 | 0,100 |
| PC395  | 165,70 | 0,000 |
| PC396  | 165,70 | 0,100 |
| PC397  | 166,70 | 0,000 |
| PC398  | 165,70 | 0,000 |
| PC399  | 166,70 | 0,030 |
| PC4    | 259,70 | 0,000 |
| PC40   | 256,70 | 0,050 |
| PC400  | 160,70 | 0,080 |
| PC4000 | 141,70 | 0,020 |
| PC4001 | 141,70 | 0,000 |
| PC4002 | 141,70 | 0,000 |
| PC4003 | 141,70 | 0,000 |
| PC4004 | 141,70 | 0,000 |
| PC4005 | 141,70 | 0,000 |
| PC4006 | 141,70 | 0,000 |
| PC4007 | 141,70 | 0,030 |
| PC4008 | 141,70 | 0,000 |
| PC4009 | 141,70 | 0,000 |
| PC401  | 160,70 | 0,100 |
| PC4010 | 140,70 | 0,020 |
| PC4011 | 141,70 | 0,000 |
| PC4012 | 141,70 | 0,000 |
| PC4013 | 141,70 | 0,000 |
| PC4014 | 139,70 | 0,000 |
| PC4015 | 141,70 | 0,000 |
| PC4016 | 139,70 | 0,000 |
| PC4017 | 140,70 | 0,000 |
| PC4018 | 139,70 | 0,000 |
| PC4019 | 139,70 | 0,000 |
| PC402  | 160,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
190/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC4020  | 139,70 | 0,200 |
| PC4021  | 139,70 | 0,000 |
| PC4022  | 139,70 | 0,000 |
| PC4023  | 139,70 | 0,200 |
| PC4024  | 139,70 | 0,000 |
| PC4025  | 140,70 | 0,000 |
| PC4026  | 139,70 | 0,000 |
| PC4027  | 139,70 | 0,000 |
| PC4028  | 139,70 | 0,200 |
| PC4029  | 140,70 | 0,000 |
| PC403   | 160,70 | 0,100 |
| PC4030  | 140,70 | 0,200 |
| PC4031  | 140,70 | 0,000 |
| PC4032  | 140,70 | 0,000 |
| PC4033  | 139,70 | 0,200 |
| PC4034  | 140,70 | 0,000 |
| PC4035  | 140,70 | 0,000 |
| PC4036  | 142,70 | 0,000 |
| PC4037  | 142,70 | 0,000 |
| PC4038  | 142,70 | 0,200 |
| PC404   | 162,70 | 0,050 |
| PC4040  | 141,70 | 0,000 |
| PC4041  | 141,70 | 0,000 |
| PC4042  | 141,70 | 0,000 |
| PC4043  | 141,70 | 0,000 |
| PC4043A | 141,70 | 0,000 |
| PC4044  | 142,70 | 0,000 |
| PC4045  | 140,70 | 0,000 |
| PC4046  | 140,70 | 0,000 |
| PC4047  | 141,70 | 0,000 |
| PC4048  | 141,70 | 0,000 |
| PC4049  | 141,70 | 0,150 |
| PC405   | 159,70 | 0,200 |
| PC4050  | 141,70 | 0,000 |
| PC4051  | 139,70 | 0,200 |
| PC4052  | 139,70 | 0,000 |
| PC4053  | 139,70 | 0,000 |
| PC4054  | 139,70 | 0,000 |
| PC4055  | 139,70 | 0,000 |
| PC4056  | 139,70 | 0,000 |
| PC4057  | 139,70 | 0,000 |
| PC4058  | 139,70 | 0,200 |
| PC4059  | 138,70 | 0,000 |
| PC406   | 164,70 | 0,610 |
| PC4060  | 138,70 | 0,000 |
| PC4061  | 138,70 | 0,000 |
| PC4062  | 140,31 | 0,000 |
| PC4063  | 138,70 | 0,000 |
| PC4064  | 138,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>191/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|         |        |       |
|---------|--------|-------|
| PC4065  | 140,31 | 0,200 |
| PC4066  | 139,70 | 0,000 |
| PC4066A | 139,70 | 0,000 |
| PC4067  | 139,70 | 0,000 |
| PC4068  | 139,70 | 0,000 |
| PC4069  | 139,70 | 0,200 |
| PC407   | 164,70 | 0,060 |
| PC4070  | 142,70 | 0,200 |
| PC4071  | 142,70 | 0,200 |
| PC4072  | 141,70 | 0,000 |
| PC4073  | 140,70 | 0,000 |
| PC4074  | 139,70 | 0,200 |
| PC4075  | 139,70 | 0,000 |
| PC4076  | 138,70 | 0,200 |
| PC4077  | 141,70 | 0,000 |
| PC4078  | 142,70 | 0,000 |
| PC4079  | 144,70 | 0,200 |
| PC408   | 164,70 | 0,000 |
| PC4080  | 142,70 | 0,000 |
| PC4081  | 140,70 | 0,000 |
| PC4082  | 140,70 | 0,200 |
| PC4083  | 141,70 | 0,000 |
| PC4083A | 141,70 | 0,000 |
| PC4084  | 141,70 | 0,000 |
| PC4085  | 141,70 | 0,000 |
| PC4086  | 140,70 | 0,200 |
| PC4089  | 141,70 | 0,000 |
| PC409   | 165,70 | 0,060 |
| PC4090  | 141,70 | 0,200 |
| PC4091  | 144,70 | 0,000 |
| PC4092  | 141,70 | 0,200 |
| PC4093  | 141,70 | 0,000 |
| PC4094  | 141,70 | 0,000 |
| PC4094A | 141,70 | 0,000 |
| PC4095  | 141,70 | 0,200 |
| PC4096  | 142,70 | 0,000 |
| PC4097  | 142,70 | 0,000 |
| PC4097A | 142,70 | 0,000 |
| PC4098  | 143,70 | 0,000 |
| PC4099  | 140,70 | 0,200 |
| PC41    | 264,70 | 0,050 |
| PC410   | 164,70 | 0,060 |
| PC4100  | 140,70 | 0,000 |
| PC4101  | 141,70 | 0,200 |
| PC4102  | 140,70 | 0,200 |
| PC4104  | 140,70 | 0,000 |
| PC4105  | 139,70 | 0,000 |
| PC4107  | 140,70 | 0,000 |
| PC4108  | 140,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
192/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC4109 | 140,70 | 0,000 |
| PC411  | 165,70 | 0,160 |
| PC4110 | 140,70 | 0,000 |
| PC4111 | 140,70 | 0,100 |
| PC4112 | 139,70 | 0,000 |
| PC4113 | 139,70 | 0,100 |
| PC4114 | 138,70 | 0,000 |
| PC4115 | 138,70 | 0,100 |
| PC4116 | 138,70 | 0,100 |
| PC4117 | 138,70 | 0,000 |
| PC4118 | 138,70 | 0,000 |
| PC4119 | 138,70 | 0,100 |
| PC412  | 162,70 | 0,050 |
| PC4120 | 138,70 | 0,100 |
| PC4121 | 138,70 | 0,000 |
| PC4122 | 138,70 | 0,000 |
| PC4123 | 138,70 | 0,000 |
| PC4124 | 138,70 | 0,000 |
| PC4125 | 139,70 | 0,000 |
| PC4126 | 139,70 | 0,000 |
| PC4127 | 138,70 | 0,100 |
| PC4128 | 138,70 | 0,000 |
| PC4129 | 138,70 | 0,000 |
| PC413  | 162,70 | 0,000 |
| PC4130 | 138,70 | 0,000 |
| PC4131 | 138,70 | 0,000 |
| PC4132 | 138,70 | 0,000 |
| PC4133 | 138,70 | 0,000 |
| PC4134 | 139,70 | 0,000 |
| PC4135 | 139,70 | 0,000 |
| PC4136 | 138,70 | 0,100 |
| PC4137 | 139,70 | 0,100 |
| PC4138 | 138,70 | 0,000 |
| PC4139 | 138,70 | 0,000 |
| PC414  | 162,70 | 0,020 |
| PC4140 | 138,70 | 0,000 |
| PC4141 | 138,70 | 0,120 |
| PC4142 | 138,70 | 0,000 |
| PC4143 | 138,70 | 0,000 |
| PC4144 | 138,70 | 0,000 |
| PC4145 | 139,70 | 0,000 |
| PC4146 | 138,70 | 0,000 |
| PC4147 | 138,70 | 0,100 |
| PC4148 | 138,70 | 0,000 |
| PC4149 | 138,70 | 0,100 |
| PC415  | 162,70 | 0,000 |
| PC4150 | 136,70 | 0,000 |
| PC4151 | 136,70 | 0,100 |
| PC4152 | 136,70 | 0,100 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. |                   | Nadnevak |   |   |   |   |   |



|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>193/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC4156 | 137,70 | 0,000 |
| PC4157 | 137,70 | 0,000 |
| 4      | 221,20 | 0,000 |
| PC4158 | 137,70 | 0,000 |
| PC4159 | 136,70 | 0,000 |
| PC416  | 162,70 | 0,000 |
| PC4160 | 136,70 | 0,000 |
| PC4161 | 136,70 | 0,000 |
| PC4162 | 135,70 | 0,000 |
| PC4163 | 136,70 | 0,000 |
| PC4164 | 136,70 | 0,100 |
| PC4165 | 136,70 | 0,000 |
| PC4166 | 137,70 | 0,000 |
| PC4167 | 137,70 | 0,100 |
| PC4168 | 137,70 | 0,000 |
| PC4169 | 137,70 | 0,000 |
| PC417  | 164,70 | 0,030 |
| PC4170 | 136,70 | 0,100 |
| PC4171 | 137,70 | 0,000 |
| PC4172 | 137,70 | 0,000 |
| PC4173 | 136,70 | 0,000 |
| PC4174 | 136,70 | 0,000 |
| PC4175 | 137,70 | 0,100 |
| PC4176 | 136,70 | 0,000 |
| PC4177 | 136,70 | 0,100 |
| PC4178 | 136,70 | 0,000 |
| PC4179 | 136,70 | 0,100 |
| PC418  | 170,70 | 0,150 |
| PC4180 | 136,70 | 0,100 |
| PC4181 | 136,70 | 0,000 |
| PC4182 | 136,70 | 0,000 |
| PC4183 | 136,70 | 0,100 |
| PC4184 | 136,70 | 0,100 |
| PC4185 | 136,70 | 0,000 |
| PC4187 | 136,70 | 0,000 |
| PC4188 | 136,70 | 0,100 |
| PC4189 | 136,70 | 0,000 |
| PC419  | 163,70 | 0,070 |
| PC4190 | 136,70 | 0,100 |
| PC4191 | 136,70 | 0,000 |
| PC4192 | 136,70 | 0,000 |
| PC4193 | 136,70 | 0,000 |
| PC4194 | 136,70 | 0,100 |
| PC4195 | 136,70 | 0,000 |
| PC4196 | 136,70 | 0,100 |
| PC4197 | 135,70 | 0,000 |
| PC4198 | 135,70 | 0,000 |
| PC4199 | 135,70 | 0,000 |
| PC42   | 268,70 | 0,000 |

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>194/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC420  | 163,70 | 0,050 |
| PC4200 | 135,70 | 0,000 |
| PC4201 | 135,70 | 0,000 |
| PC4202 | 136,70 | 0,100 |
| PC4203 | 136,70 | 0,100 |
| PC4204 | 136,70 | 0,000 |
| PC4205 | 136,70 | 0,000 |
| PC4206 | 136,70 | 0,100 |
| PC4207 | 136,70 | 0,000 |
| PC4208 | 136,70 | 0,000 |
| PC4209 | 135,70 | 0,000 |
| PC421  | 163,70 | 0,050 |
| PC4210 | 135,70 | 0,100 |
| PC4211 | 135,70 | 0,000 |
| PC4212 | 137,70 | 0,000 |
| PC4213 | 137,70 | 0,000 |
| PC4214 | 135,70 | 0,000 |
| PC4215 | 135,70 | 0,000 |
| PC4216 | 135,70 | 0,000 |
| PC4217 | 136,70 | 0,100 |
| PC4218 | 136,70 | 0,000 |
| PC4219 | 136,70 | 0,100 |
| PC422  | 163,70 | 0,000 |
| PC4220 | 135,70 | 0,100 |
| PC4221 | 135,70 | 0,100 |
| PC4222 | 136,70 | 0,090 |
| PC4223 | 136,70 | 0,000 |
| PC4224 | 137,70 | 0,000 |
| PC4225 | 137,70 | 0,000 |
| PC4226 | 137,70 | 0,000 |
| PC4227 | 137,70 | 0,000 |
| PC4228 | 137,70 | 0,100 |
| PC4229 | 137,70 | 0,000 |
| PC4230 | 137,70 | 0,100 |
| PC4231 | 137,70 | 0,000 |
| PC4232 | 137,70 | 0,100 |
| PC4233 | 136,70 | 0,000 |
| PC4234 | 134,70 | 0,000 |
| PC4235 | 137,70 | 0,000 |
| PC4236 | 134,70 | 0,100 |
| PC4237 | 137,70 | 0,100 |
| PC4238 | 134,70 | 0,000 |
| PC4239 | 137,70 | 0,100 |
| PC424  | 165,70 | 0,000 |
| PC4240 | 136,70 | 0,100 |
| PC4241 | 136,70 | 0,000 |
| PC4242 | 134,70 | 0,000 |
| PC4243 | 134,70 | 0,000 |
| PC4244 | 134,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
195/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC4245 | 136,70 | 0,000 |
| PC4246 | 134,70 | 0,100 |
| PC4247 | 133,70 | 0,000 |
| PC4248 | 133,70 | 0,100 |
| PC4249 | 134,70 | 0,000 |
| PC425  | 163,70 | 0,030 |
| PC4250 | 133,70 | 0,100 |
| PC4251 | 134,70 | 0,000 |
| PC4252 | 134,70 | 0,000 |
| PC4253 | 134,70 | 0,100 |
| PC4254 | 134,70 | 0,000 |
| PC4255 | 134,70 | 0,000 |
| PC4256 | 133,70 | 0,100 |
| PC4257 | 133,70 | 0,000 |
| PC4258 | 133,70 | 0,000 |
| PC4259 | 133,70 | 0,100 |
| PC426  | 165,70 | 0,060 |
| PC4260 | 137,70 | 0,100 |
| PC4261 | 136,70 | 0,000 |
| PC4262 | 135,70 | 0,100 |
| PC4263 | 137,70 | 0,100 |
| PC4264 | 136,70 | 0,000 |
| PC4265 | 133,70 | 0,100 |
| PC4266 | 136,70 | 0,000 |
| PC4267 | 137,70 | 0,100 |
| PC4268 | 133,70 | 0,000 |
| PC4269 | 133,70 | 0,100 |
| PC427  | 163,70 | 0,030 |
| PC4270 | 134,70 | 0,000 |
| PC4271 | 133,70 | 0,100 |
| PC4272 | 133,70 | 0,000 |
| PC4273 | 133,70 | 0,100 |
| PC4274 | 132,70 | 0,090 |
| PC4275 | 134,70 | 0,000 |
| PC4277 | 134,70 | 0,000 |
| PC4278 | 135,70 | 0,100 |
| PC4279 | 135,70 | 0,000 |
| PC428  | 165,70 | 0,030 |
| PC4280 | 135,70 | 0,100 |
| PC4281 | 133,70 | 0,000 |
| PC4282 | 133,70 | 0,000 |
| PC4283 | 132,70 | 0,100 |
| PC4284 | 133,70 | 0,000 |
| PC4285 | 133,70 | 0,000 |
| PC4286 | 132,70 | 0,100 |
| PC4287 | 133,70 | 0,000 |
| PC4288 | 133,70 | 0,000 |
| PC4289 | 133,70 | 0,000 |
| PC429  | 158,70 | 0,060 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>196/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC4290 | 133,70 | 0,200 |
| PC4291 | 133,70 | 0,000 |
| PC4293 | 133,70 | 0,000 |
| PC4294 | 133,70 | 0,200 |
| PC4295 | 135,70 | 0,000 |
| PC4296 | 135,70 | 0,000 |
| PC4297 | 135,70 | 0,000 |
| PC4298 | 135,70 | 0,200 |
| PC4299 | 135,70 | 0,000 |
| PC43   | 256,70 | 0,050 |
| PC430  | 166,70 | 0,040 |
| PC4300 | 131,70 | 0,000 |
| PC4301 | 133,70 | 0,200 |
| PC4302 | 133,70 | 0,000 |
| PC4303 | 133,70 | 0,000 |
| PC4304 | 134,70 | 0,000 |
| PC4305 | 133,70 | 0,000 |
| PC4306 | 133,70 | 0,050 |
| PC4307 | 133,70 | 0,000 |
| PC4308 | 133,70 | 0,000 |
| PC4309 | 133,70 | 0,200 |
| PC431  | 167,70 | 0,040 |
| PC4310 | 133,70 | 0,000 |
| PC4311 | 133,70 | 0,200 |
| PC4312 | 133,70 | 0,000 |
| PC4313 | 134,70 | 0,000 |
| PC4314 | 134,70 | 0,200 |
| PC4315 | 133,70 | 0,000 |
| PC4316 | 133,70 | 0,000 |
| PC4317 | 133,70 | 0,000 |
| PC4318 | 133,70 | 0,000 |
| PC4319 | 132,70 | 0,000 |
| PC432  | 167,70 | 0,240 |
| PC4320 | 132,70 | 0,000 |
| PC4321 | 132,70 | 0,200 |
| PC4322 | 132,70 | 0,000 |
| PC4323 | 132,70 | 0,000 |
| PC4324 | 132,70 | 0,000 |
| PC4325 | 132,70 | 0,000 |
| PC4326 | 131,70 | 0,000 |
| PC4327 | 132,70 | 0,000 |
| PC4328 | 132,70 | 0,000 |
| PC4329 | 133,70 | 0,000 |
| PC433  | 169,70 | 0,100 |
| PC4330 | 133,70 | 0,200 |
| PC4331 | 133,70 | 0,000 |
| PC4332 | 133,70 | 0,000 |
| PC4333 | 132,70 | 0,200 |
| PC4334 | 132,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>197/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC4335 | 133,70 | 0,000 |
| PC4336 | 133,70 | 0,200 |
| PC4337 | 134,70 | 0,000 |
| PC4338 | 131,70 | 0,000 |
| PC4339 | 131,70 | 0,000 |
| PC434  | 173,70 | 0,000 |
| PC4340 | 131,70 | 0,200 |
| PC4341 | 132,70 | 0,000 |
| PC4342 | 132,70 | 0,000 |
| PC4343 | 132,70 | 0,000 |
| PC4344 | 132,70 | 0,200 |
| PC4345 | 132,70 | 0,000 |
| PC4346 | 132,70 | 0,200 |
| PC4347 | 132,70 | 0,200 |
| PC4348 | 133,70 | 0,000 |
| PC4349 | 134,70 | 0,000 |
| PC435  | 176,70 | 0,000 |
| PC4350 | 133,70 | 0,000 |
| PC4351 | 133,70 | 0,200 |
| PC4352 | 133,70 | 0,000 |
| PC4353 | 133,70 | 0,000 |
| PC4354 | 133,70 | 0,200 |
| PC4355 | 132,70 | 0,000 |
| PC4356 | 133,70 | 0,000 |
| PC4357 | 133,70 | 0,200 |
| PC4358 | 133,70 | 0,000 |
| PC4359 | 133,70 | 0,200 |
| PC435A | 176,70 | 0,000 |
| PC436  | 168,70 | 0,080 |
| PC4360 | 133,70 | 0,000 |
| PC4361 | 133,70 | 0,000 |
| PC4362 | 133,70 | 0,000 |
| PC4363 | 133,70 | 0,000 |
| PC4364 | 133,70 | 0,000 |
| PC4365 | 133,70 | 0,000 |
| PC4366 | 132,70 | 0,000 |
| PC4367 | 131,70 | 0,200 |
| PC4368 | 133,70 | 0,200 |
| PC436A | 168,70 | 0,000 |
| PC437  | 168,70 | 0,030 |
| PC4370 | 132,70 | 0,000 |
| PC4371 | 133,70 | 0,200 |
| PC4372 | 132,70 | 0,200 |
| PC4373 | 132,70 | 0,000 |
| PC4374 | 132,70 | 0,000 |
| PC4375 | 132,70 | 0,000 |
| PC4376 | 132,70 | 0,000 |
| PC4377 | 133,70 | 0,200 |
| PC4378 | 132,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
198/512Nadnevak:  
17.11.2009.

|         |        |       |
|---------|--------|-------|
| PC4379  | 132,70 | 0,000 |
| PC438   | 171,00 | 0,050 |
| PC4380  | 132,70 | 0,000 |
| PC4381  | 132,70 | 0,200 |
| PC4382  | 134,70 | 0,000 |
| PC4383  | 134,70 | 0,200 |
| PC4384  | 134,70 | 0,000 |
| PC4385  | 133,70 | 0,000 |
| PC4386  | 132,70 | 0,200 |
| PC4387  | 132,70 | 0,000 |
| PC4388  | 133,70 | 0,200 |
| PC4389  | 132,70 | 0,000 |
| PC439   | 167,70 | 0,000 |
| PC4390  | 130,70 | 0,000 |
| PC4391  | 129,70 | 0,150 |
| PC4392  | 132,70 | 0,000 |
| PC4392A | 132,70 | 0,000 |
| PC4393  | 133,70 | 0,200 |
| PC4394  | 131,70 | 0,000 |
| PC4394A | 131,70 | 0,000 |
| PC4395  | 131,70 | 0,000 |
| PC4395A | 131,70 | 0,000 |
| PC4396  | 130,70 | 0,200 |
| PC4397  | 131,70 | 0,000 |
| PC4398  | 131,70 | 0,200 |
| PC4399  | 131,70 | 0,000 |
| PC44    | 268,70 | 0,050 |
| PC440   | 164,70 | 0,000 |
| PC4400  | 131,70 | 0,000 |
| PC4401  | 134,70 | 0,000 |
| PC4402  | 131,70 | 0,000 |
| PC4403  | 131,70 | 0,000 |
| PC4404  | 131,70 | 0,200 |
| PC4405  | 132,70 | 0,200 |
| PC4406  | 132,70 | 0,000 |
| PC4407  | 132,70 | 0,000 |
| PC4408  | 132,70 | 0,000 |
| PC4409  | 132,70 | 0,000 |
| PC441   | 167,70 | 0,000 |
| PC4410  | 132,70 | 0,000 |
| PC4411  | 132,70 | 0,000 |
| PC4412  | 132,70 | 0,200 |
| PC4413  | 133,70 | 0,000 |
| PC4414  | 132,70 | 0,000 |
| PC4415  | 133,70 | 0,000 |
| PC4416  | 133,70 | 0,000 |
| PC4417  | 133,70 | 0,200 |
| PC4418  | 133,70 | 0,200 |
| PC4419  | 132,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>199/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|         |        |       |
|---------|--------|-------|
| PC442   | 167,70 | 0,610 |
| PC4420  | 132,70 | 0,000 |
| PC4421  | 132,70 | 0,000 |
| PC4422  | 132,70 | 0,000 |
| PC4423  | 133,70 | 0,200 |
| PC4424  | 132,70 | 0,200 |
| PC4425  | 132,70 | 0,000 |
| PC4426  | 132,70 | 0,000 |
| PC4427  | 132,70 | 0,000 |
| PC4428  | 131,70 | 0,000 |
| PC4428A | 131,70 | 0,000 |
| PC4429  | 131,70 | 0,000 |
| PC443   | 166,70 | 0,100 |
| PC4430  | 132,70 | 0,000 |
| PC4431  | 132,70 | 0,000 |
| PC4431A | 132,70 | 0,000 |
| PC4432  | 132,70 | 0,000 |
| PC4433  | 132,70 | 0,000 |
| PC4434  | 132,70 | 0,000 |
| PC4435  | 132,70 | 0,000 |
| PC4436  | 132,70 | 0,200 |
| PC4437  | 132,70 | 0,000 |
| PC4438  | 132,70 | 0,000 |
| PC4439  | 132,70 | 0,200 |
| PC443A  | 166,70 | 0,000 |
| PC444   | 166,70 | 0,100 |
| PC4440  | 132,70 | 0,000 |
| PC4441  | 131,70 | 0,200 |
| PC4442  | 132,70 | 0,000 |
| PC4443  | 132,70 | 0,000 |
| PC4444  | 131,70 | 0,000 |
| PC4445  | 132,70 | 0,000 |
| PC4446  | 131,70 | 0,200 |
| PC4447  | 131,70 | 0,200 |
| PC4448  | 131,70 | 0,000 |
| PC4449  | 131,70 | 0,200 |
| PC445   | 166,70 | 0,100 |
| PC4450  | 133,70 | 0,000 |
| PC4451  | 134,70 | 0,000 |
| PC4452  | 132,70 | 0,000 |
| PC4453  | 132,70 | 0,200 |
| PC4454  | 131,70 | 0,000 |
| PC4456  | 132,70 | 0,200 |
| PC4457  | 131,70 | 0,000 |
| PC4458  | 132,70 | 0,000 |
| PC4459  | 134,70 | 0,000 |
| PC4459A | 134,70 | 0,000 |
| PC446   | 171,70 | 0,000 |
| PC4460  | 134,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
200/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC4462  | 133,70 | 0,000 |
| PC4463  | 133,70 | 0,000 |
| PC4464  | 132,70 | 0,000 |
| PC4465  | 133,70 | 0,000 |
| PC4466  | 133,70 | 0,200 |
| PC4467  | 133,70 | 0,000 |
| PC4468  | 133,70 | 0,000 |
| PC4469  | 134,70 | 0,200 |
| PC446A  | 171,70 | 0,000 |
| PC447   | 171,70 | 0,020 |
| PC4470  | 134,70 | 0,000 |
| PC4471  | 133,70 | 0,000 |
| PC4472  | 134,70 | 0,000 |
| PC4473  | 133,70 | 0,000 |
| PC4474  | 133,70 | 0,200 |
| PC4475  | 133,70 | 0,000 |
| PC4476  | 132,70 | 0,000 |
| PC4477  | 134,70 | 0,000 |
| PC4478  | 134,70 | 0,100 |
| PC4479  | 134,70 | 0,000 |
| PC448   | 167,70 | 0,000 |
| PC4481  | 133,70 | 0,000 |
| PC4482  | 132,70 | 0,000 |
| PC44820 | 133,70 | 0,000 |
| PC4483  | 132,70 | 0,000 |
| PC4484  | 133,70 | 0,200 |
| PC4485  | 132,70 | 0,000 |
| PC4486  | 132,70 | 0,200 |
| PC4487  | 133,70 | 0,000 |
| PC4488  | 133,70 | 0,000 |
| PC4489  | 132,70 | 0,000 |
| PC448A  | 167,70 | 0,000 |
| PC449   | 167,70 | 0,000 |
| PC4490  | 133,70 | 0,000 |
| PC4491  | 133,70 | 0,000 |
| PC4492  | 133,70 | 0,000 |
| PC4493  | 133,70 | 0,000 |
| PC4494  | 134,70 | 0,000 |
| PC4495  | 134,70 | 0,200 |
| PC4496  | 134,70 | 0,200 |
| PC4497  | 133,70 | 0,000 |
| PC4498  | 134,70 | 0,000 |
| PC4499  | 134,70 | 0,200 |
| PC45    | 243,70 | 0,050 |
| PC450   | 168,70 | 0,100 |
| PC4500  | 133,70 | 0,000 |
| PC4501  | 133,70 | 0,200 |
| PC4502  | 134,70 | 0,000 |
| PC4502A | 133,70 | 0,200 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>201/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC4503 | 132,70 | 0,000 |
| PC4504 | 132,70 | 0,000 |
| PC451  | 168,70 | 0,100 |
| PC452  | 171,70 | 0,000 |
| PC453  | 167,70 | 0,050 |
| PC454  | 167,70 | 0,200 |
| PC455  | 169,70 | 0,050 |
| PC455A | 169,70 | 0,000 |
| PC456  | 170,70 | 0,050 |
| PC457  | 172,70 | 0,190 |
| PC458  | 175,29 | 0,140 |
| PC459  | 168,70 | 0,200 |
| PC46   | 258,70 | 0,000 |
| PC460  | 173,70 | 0,100 |
| PC461  | 175,29 | 0,030 |
| PC462  | 175,29 | 0,000 |
| PC463  | 175,70 | 0,000 |
| PC464  | 176,70 | 0,050 |
| PC465  | 176,70 | 0,000 |
| PC466  | 176,70 | 0,050 |
| PC467  | 177,70 | 0,000 |
| PC468  | 178,70 | 0,050 |
| PC469  | 179,70 | 0,050 |
| PC47   | 263,70 | 0,050 |
| PC470  | 166,70 | 0,000 |
| PC471  | 167,70 | 0,000 |
| PC472  | 167,70 | 0,010 |
| PC473  | 167,70 | 0,000 |
| PC474  | 167,70 | 0,000 |
| PC475  | 242,60 | 0,050 |
| PC476  | 242,60 | 0,050 |
| PC477  | 253,60 | 0,000 |
| PC478  | 264,60 | 0,050 |
| PC479  | 249,60 | 0,000 |
| PC48   | 298,70 | 0,050 |
| PC480  | 255,60 | 0,050 |
| PC481  | 247,60 | 0,050 |
| PC482  | 261,70 | 0,000 |
| PC482A | 261,70 | 0,000 |
| PC483  | 274,60 | 0,000 |
| PC484  | 268,60 | 0,000 |
| PC485  | 254,60 | 0,050 |
| PC486  | 257,60 | 0,000 |
| PC487  | 264,60 | 0,050 |
| PC488  | 247,60 | 0,050 |
| PC489  | 278,60 | 0,050 |
| PC49   | 310,70 | 0,000 |
| PC490  | 248,60 | 0,000 |
| PC490A | 267,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>202/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC490B | 267,70 | 0,000 |
| PC491  | 241,60 | 0,050 |
| PC492  | 290,60 | 0,050 |
| PC492A | 284,60 | 0,000 |
| PC492B | 284,60 | 0,000 |
| PC493  | 282,60 | 0,050 |
| PC494  | 261,60 | 0,050 |
| PC495  | 266,60 | 0,000 |
| PC496  | 253,60 | 0,050 |
| PC497  | 261,60 | 0,050 |
| PC498  | 294,60 | 0,050 |
| PC499  | 280,60 | 0,050 |
| PC5    | 232,70 | 0,000 |
| PC50   | 249,29 | 0,050 |
| PC500  | 297,60 | 0,050 |
| PC501  | 270,60 | 0,000 |
| PC502  | 268,60 | 0,050 |
| PC503  | 270,60 | 0,050 |
| PC504  | 283,60 | 0,050 |
| PC505  | 294,60 | 0,050 |
| PC506  | 270,60 | 0,000 |
| PC506A | 270,60 | 0,000 |
| PC507  | 248,60 | 0,000 |
| PC508  | 261,60 | 0,050 |
| PC509  | 259,60 | 0,050 |
| PC51   | 291,70 | 0,050 |
| PC510  | 270,60 | 0,000 |
| PC511  | 270,60 | 0,050 |
| PC512  | 270,60 | 0,000 |
| PC513  | 300,11 | 0,050 |
| PC514  | 298,60 | 0,000 |
| PC515  | 297,60 | 0,000 |
| PC516  | 295,70 | 0,000 |
| PC517  | 271,60 | 0,000 |
| PC518  | 232,70 | 0,000 |
| PC519  | 271,60 | 0,000 |
| PC52   | 218,70 | 0,050 |
| PC520  | 223,60 | 0,000 |
| PC521  | 286,60 | 0,000 |
| PC522  | 286,60 | 0,000 |
| PC523  | 286,60 | 0,000 |
| PC524  | 284,60 | 0,050 |
| PC525  | 283,60 | 0,050 |
| PC526  | 294,60 | 0,000 |
| PC527  | 299,71 | 0,000 |
| PC528  | 299,71 | 0,000 |
| PC529  | 297,88 | 0,000 |
| PC53   | 291,70 | 0,000 |
| PC530  | 298,35 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>203/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC531  | 282,60 | 0,050 |
| PC532  | 288,60 | 0,050 |
| PC533  | 266,60 | 0,050 |
| PC534  | 288,60 | 0,050 |
| PC535  | 270,60 | 0,050 |
| PC536  | 270,60 | 0,000 |
| PC536A | 270,60 | 0,000 |
| PC537  | 248,60 | 0,000 |
| PC537A | 248,60 | 0,000 |
| PC538  | 213,60 | 0,050 |
| PC539  | 263,60 | 0,000 |
| PC54   | 318,70 | 0,000 |
| PC541  | 300,60 | 0,000 |
| PC542  | 300,60 | 0,000 |
| PC543  | 280,60 | 0,050 |
| PC544  | 302,60 | 0,000 |
| PC545  | 296,60 | 0,000 |
| PC546  | 296,60 | 0,000 |
| PC547  | 291,60 | 0,000 |
| PC548  | 294,60 | 0,000 |
| PC549  | 306,60 | 0,000 |
| PC55   | 318,70 | 0,050 |
| PC550  | 262,60 | 0,050 |
| PC551  | 314,60 | 1,000 |
| PC552  | 248,70 | 0,000 |
| PC552A | 248,70 | 0,000 |
| PC553  | 243,60 | 0,000 |
| PC554  | 244,60 | 0,000 |
| PC554A | 244,60 | 0,000 |
| PC555  | 245,70 | 0,000 |
| PC556  | 248,60 | 0,000 |
| PC556A | 248,60 | 0,000 |
| PC557  | 248,60 | 0,000 |
| PC558  | 243,60 | 0,000 |
| PC559  | 229,60 | 0,050 |
| PC56   | 313,70 | 0,000 |
| PC560  | 250,60 | 0,050 |
| PC561  | 250,60 | 0,000 |
| PC562  | 289,60 | 0,050 |
| PC563  | 294,60 | 0,100 |
| PC564  | 281,60 | 0,100 |
| PC565  | 291,60 | 0,100 |
| PC566  | 290,60 | 0,100 |
| PC567  | 252,60 | 0,100 |
| PC568  | 259,60 | 0,150 |
| PC569  | 260,60 | 0,100 |
| PC57   | 313,70 | 0,050 |
| PC570  | 262,60 | 0,100 |
| PC570A | 262,60 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. grad. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>204/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC571  | 236,60 | 0,000 |
| PC572  | 236,60 | 0,100 |
| PC573  | 236,60 | 0,100 |
| PC574  | 281,60 | 0,100 |
| PC575  | 252,60 | 0,100 |
| PC576  | 260,60 | 0,100 |
| PC577  | 239,60 | 0,100 |
| PC578  | 267,60 | 0,100 |
| PC579  | 254,60 | 0,100 |
| PC58   | 308,70 | 0,000 |
| PC580  | 289,60 | 0,000 |
| PC581  | 268,60 | 0,000 |
| PC582  | 262,60 | 0,100 |
| PC583  | 247,60 | 0,000 |
| PC584  | 247,60 | 0,100 |
| PC585  | 271,60 | 0,000 |
| PC585A | 271,60 | 0,000 |
| PC586  | 230,60 | 0,100 |
| PC587  | 248,60 | 0,000 |
| PC587A | 248,60 | 0,000 |
| PC588  | 215,60 | 0,000 |
| PC588A | 215,60 | 0,000 |
| PC589  | 197,60 | 0,000 |
| PC59   | 266,70 | 0,050 |
| PC590  | 197,60 | 0,000 |
| PC591  | 192,60 | 0,000 |
| PC592  | 191,60 | 0,000 |
| PC593  | 200,60 | 0,000 |
| PC594  | 191,60 | 0,000 |
| PC595  | 192,60 | 0,000 |
| PC596  | 203,60 | 0,000 |
| PC597  | 203,50 | 0,000 |
| PC598  | 222,00 | 0,030 |
| PC599  | 193,60 | 0,000 |
| PC5A   | 232,70 | 0,000 |
| PC6    | 193,70 | 0,050 |
| PC60   | 285,70 | 0,000 |
| PC600  | 198,60 | 0,100 |
| PC601  | 191,60 | 0,000 |
| PC602  | 198,60 | 0,000 |
| PC603  | 198,60 | 0,050 |
| PC604  | 200,60 | 0,000 |
| PC605  | 221,60 | 0,050 |
| PC606  | 223,60 | 0,100 |
| PC607  | 189,60 | 0,050 |
| PC607A | 196,70 | 0,000 |
| PC608  | 205,60 | 0,050 |
| PC608A | 196,70 | 0,000 |
| PC609  | 209,60 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>205/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC61   | 285,70 | 0,000 |
| PC610  | 195,60 | 0,050 |
| PC611  | 184,60 | 0,050 |
| PC612  | 192,60 | 0,050 |
| PC613  | 190,60 | 0,000 |
| PC614  | 191,60 | 0,050 |
| PC615  | 210,60 | 0,050 |
| PC616  | 206,60 | 0,000 |
| PC617  | 200,60 | 0,000 |
| PC618  | 196,60 | 0,050 |
| PC619  | 202,60 | 0,050 |
| PC62   | 280,30 | 0,000 |
| PC620  | 221,70 | 0,000 |
| PC620A | 221,70 | 0,000 |
| PC621  | 224,60 | 0,050 |
| PC622  | 258,60 | 0,050 |
| PC623  | 265,60 | 0,000 |
| PC623A | 265,60 | 0,000 |
| PC624  | 270,60 | 0,050 |
| PC625  | 280,60 | 0,000 |
| PC626  | 279,60 | 0,000 |
| PC626A | 279,60 | 0,000 |
| PC627  | 218,60 | 0,050 |
| PC628  | 279,60 | 0,000 |
| PC629  | 264,60 | 0,050 |
| PC62A  | 280,30 | 0,000 |
| PC63   | 266,70 | 0,050 |
| PC630  | 255,60 | 0,050 |
| PC631  | 286,60 | 0,000 |
| PC632  | 265,60 | 0,050 |
| PC633  | 261,60 | 0,000 |
| PC633A | 261,60 | 0,000 |
| PC634  | 233,60 | 0,050 |
| PC635  | 264,60 | 0,000 |
| PC635A | 264,60 | 0,000 |
| PC636  | 263,60 | 0,050 |
| PC637  | 254,60 | 0,050 |
| PC638  | 240,60 | 0,050 |
| PC638A | 240,60 | 0,000 |
| PC639  | 240,60 | 0,000 |
| PC64   | 298,70 | 0,000 |
| PC640  | 225,60 | 0,050 |
| PC641  | 220,60 | 0,050 |
| PC642  | 252,60 | 0,000 |
| PC643  | 246,60 | 0,050 |
| PC644  | 264,70 | 0,000 |
| PC644A | 264,70 | 0,000 |
| PC644B | 264,70 | 0,000 |
| PC645  | 259,60 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>206/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC646  | 238,60 | 0,050 |
| PC647  | 273,60 | 0,000 |
| PC648  | 263,60 | 0,050 |
| PC649  | 243,60 | 0,000 |
| PC649A | 243,60 | 0,000 |
| PC65   | 278,70 | 0,050 |
| PC650  | 238,60 | 0,050 |
| PC651  | 225,60 | 0,000 |
| PC652  | 226,01 | 0,000 |
| PC653  | 212,38 | 0,000 |
| PC654  | 198,60 | 0,050 |
| PC655  | 198,50 | 0,000 |
| PC656  | 203,86 | 0,000 |
| PC657  | 209,82 | 0,000 |
| PC658  | 213,27 | 0,050 |
| PC659  | 185,86 | 0,000 |
| PC66   | 278,70 | 0,000 |
| PC660  | 190,58 | 0,000 |
| PC661  | 198,60 | 0,000 |
| PC662  | 226,60 | 0,050 |
| PC663  | 198,60 | 0,000 |
| PC664  | 213,60 | 0,050 |
| PC665  | 196,60 | 0,000 |
| PC666  | 196,60 | 0,050 |
| PC667  | 196,60 | 0,000 |
| PC668  | 202,60 | 0,050 |
| PC669  | 199,60 | 0,000 |
| PC66A  | 278,70 | 0,000 |
| PC67   | 298,70 | 0,050 |
| PC670  | 203,60 | 0,000 |
| PC670A | 203,60 | 0,000 |
| PC671  | 205,60 | 0,050 |
| PC672  | 216,60 | 0,050 |
| PC673  | 218,60 | 0,000 |
| PC673A | 218,60 | 0,000 |
| PC674  | 228,60 | 0,050 |
| PC675  | 218,60 | 0,050 |
| PC676  | 238,60 | 0,050 |
| PC677  | 288,60 | 0,000 |
| PC677A | 288,60 | 0,000 |
| PC678  | 263,60 | 0,050 |
| PC679  | 251,60 | 0,050 |
| PC68   | 268,70 | 0,000 |
| PC680  | 185,07 | 0,050 |
| PC681  | 184,60 | 0,050 |
| PC682  | 183,60 | 0,000 |
| PC683  | 183,50 | 0,050 |
| PC684  | 198,60 | 0,050 |
| PC685  | 225,60 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>207/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC686  | 197,36 | 0,000 |
| PC687  | 196,32 | 0,000 |
| PC688  | 193,49 | 0,050 |
| PC689  | 198,50 | 0,000 |
| PC689A | 198,50 | 0,000 |
| PC69   | 248,70 | 0,000 |
| PC690  | 200,36 | 0,050 |
| PC691  | 240,60 | 0,050 |
| PC692  | 235,70 | 0,000 |
| PC692A | 235,70 | 0,000 |
| PC693  | 237,18 | 0,000 |
| PC694  | 196,60 | 0,000 |
| PC695  | 199,60 | 0,000 |
| PC696  | 205,60 | 0,050 |
| PC697  | 202,60 | 0,050 |
| PC698  | 220,60 | 0,050 |
| PC699  | 220,60 | 0,000 |
| PC7    | 270,70 | 0,000 |
| PC70   | 275,70 | 0,050 |
| PC700  | 196,60 | 0,000 |
| PC701  | 197,60 | 0,050 |
| PC702  | 196,60 | 0,000 |
| PC703  | 196,60 | 0,000 |
| PC704  | 196,60 | 0,000 |
| PC705  | 208,60 | 0,050 |
| PC706  | 196,60 | 0,000 |
| PC707  | 192,60 | 0,050 |
| PC708  | 189,60 | 0,000 |
| PC709  | 190,60 | 0,050 |
| PC71   | 249,70 | 0,000 |
| PC710  | 196,60 | 0,050 |
| PC711  | 188,60 | 0,000 |
| PC712  | 188,60 | 0,050 |
| PC713  | 187,60 | 0,000 |
| PC714  | 187,60 | 0,050 |
| PC715  | 187,60 | 0,050 |
| PC716  | 184,60 | 0,000 |
| PC717  | 189,60 | 0,050 |
| PC718  | 189,60 | 0,000 |
| PC719  | 189,60 | 0,000 |
| PC72   | 228,70 | 0,050 |
| PC720  | 189,60 | 0,000 |
| PC721  | 189,60 | 0,000 |
| PC722  | 237,18 | 0,000 |
| PC723  | 248,60 | 0,000 |
| PC724  | 246,60 | 0,050 |
| PC725  | 249,60 | 0,000 |
| PC726  | 235,60 | 0,000 |
| PC727  | 233,60 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
208/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC728  | 210,60 | 0,050 |
| PC729  | 235,60 | 0,000 |
| PC73   | 256,70 | 0,050 |
| PC730  | 217,60 | 0,050 |
| PC731  | 206,60 | 0,050 |
| PC732  | 248,60 | 0,000 |
| PC732A | 248,60 | 0,000 |
| PC733  | 248,60 | 0,050 |
| PC734  | 281,60 | 0,000 |
| PC734A | 281,60 | 0,000 |
| PC735  | 281,60 | 0,050 |
| PC735A | 281,60 | 0,000 |
| PC736  | 281,60 | 0,000 |
| PC736A | 281,60 | 0,000 |
| PC736B | 281,60 | 0,000 |
| PC737  | 273,60 | 0,000 |
| PC738  | 278,60 | 0,050 |
| PC739  | 249,60 | 0,050 |
| PC74   | 248,70 | 0,000 |
| PC740  | 246,60 | 0,050 |
| PC741  | 256,60 | 0,000 |
| PC742  | 253,60 | 0,050 |
| PC743  | 251,60 | 0,100 |
| PC744  | 228,60 | 0,100 |
| PC745  | 270,60 | 0,050 |
| PC746  | 265,60 | 0,000 |
| PC747  | 273,60 | 0,000 |
| PC748  | 243,60 | 0,000 |
| PC749  | 225,60 | 0,050 |
| PC75   | 246,70 | 0,000 |
| PC750  | 243,60 | 0,000 |
| PC752  | 201,60 | 0,000 |
| PC753  | 204,60 | 0,050 |
| PC754  | 197,60 | 0,050 |
| PC755  | 258,60 | 0,000 |
| PC756  | 233,60 | 0,050 |
| PC757  | 221,60 | 0,000 |
| PC757A | 221,60 | 0,000 |
| PC757B | 218,00 | 0,000 |
| PC757C | 218,00 | 0,000 |
| PC758  | 191,15 | 0,000 |
| PC759  | 195,60 | 0,050 |
| PC76   | 249,70 | 0,050 |
| PC760  | 198,42 | 0,050 |
| PC761  | 205,96 | 0,050 |
| PC762  | 195,37 | 0,000 |
| PC763  | 192,38 | 0,050 |
| PC764  | 198,56 | 0,050 |
| PC765  | 200,60 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>209/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|        |        |       |
|--------|--------|-------|
| PC766  | 192,60 | 0,050 |
| PC767  | 195,21 | 0,000 |
| PC768  | 192,26 | 0,050 |
| PC769  | 191,45 | 0,050 |
| PC77   | 249,70 | 0,050 |
| PC770  | 197,60 | 0,050 |
| PC771  | 194,60 | 0,000 |
| PC771A | 194,60 | 0,000 |
| PC772  | 189,36 | 0,050 |
| PC773  | 188,97 | 0,000 |
| PC774  | 186,10 | 0,050 |
| PC775  | 186,21 | 0,050 |
| PC776  | 190,59 | 0,050 |
| PC777  | 186,24 | 0,050 |
| PC778  | 185,20 | 0,070 |
| PC779  | 184,20 | 0,050 |
| PC78   | 258,70 | 0,000 |
| PC780  | 189,01 | 0,050 |
| PC781  | 197,48 | 0,050 |
| PC782  | 190,68 | 0,050 |
| PC783  | 200,91 | 0,000 |
| PC784  | 205,11 | 0,000 |
| PC785  | 203,60 | 0,000 |
| PC786  | 206,60 | 0,000 |
| PC787  | 203,60 | 0,000 |
| PC788  | 200,60 | 0,050 |
| PC789  | 196,60 | 0,000 |
| PC79   | 268,70 | 0,050 |
| PC790  | 196,60 | 0,000 |
| PC791  | 201,63 | 0,050 |
| PC792  | 201,14 | 0,050 |
| PC793  | 202,60 | 0,000 |
| PC794  | 210,60 | 0,050 |
| PC795  | 202,60 | 0,050 |
| PC796  | 228,60 | 0,000 |
| PC796A | 228,60 | 0,000 |
| PC797  | 263,13 | 0,000 |
| PC798  | 257,60 | 0,100 |
| PC799  | 249,60 | 0,100 |
| PC7A   | 255,70 | 0,000 |
| PC7B   | 255,70 | 0,000 |
| PC8    | 198,70 | 0,000 |
| PC80   | 268,70 | 0,050 |
| PC800  | 257,60 | 0,000 |
| PC801  | 257,60 | 0,000 |
| PC802  | 257,60 | 0,000 |
| PC803  | 257,60 | 0,100 |
| PC804  | 231,60 | 0,100 |
| PC805  | 234,60 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>210/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC806  | 257,60 | 0,000 |
| PC807  | 257,60 | 0,000 |
| PC808  | 257,60 | 0,100 |
| PC809  | 257,60 | 0,000 |
| PC81   | 264,70 | 0,050 |
| PC810  | 257,60 | 0,000 |
| PC811  | 255,60 | 0,000 |
| PC812  | 255,60 | 0,000 |
| PC813  | 241,60 | 0,000 |
| PC813A | 241,60 | 0,000 |
| PC814  | 222,60 | 0,100 |
| PC815  | 219,60 | 0,100 |
| PC816  | 255,60 | 0,000 |
| PC817  | 257,60 | 0,100 |
| PC818  | 258,60 | 0,100 |
| PC819  | 232,60 | 0,000 |
| PC81A  | 258,70 | 0,000 |
| PC81B  | 258,70 | 0,000 |
| PC82   | 221,70 | 0,050 |
| PC820  | 232,60 | 0,000 |
| PC821  | 237,60 | 0,100 |
| PC822  | 232,60 | 0,000 |
| PC823  | 231,60 | 0,100 |
| PC824  | 223,60 | 0,000 |
| PC824A | 223,60 | 0,000 |
| PC825  | 205,60 | 0,100 |
| PC826  | 257,70 | 0,100 |
| PC827  | 238,60 | 0,000 |
| PC827A | 238,60 | 0,000 |
| PC828  | 223,60 | 0,000 |
| PC829  | 207,60 | 0,000 |
| PC83   | 260,70 | 0,000 |
| PC830  | 209,60 | 0,000 |
| PC831  | 208,60 | 0,100 |
| PC832  | 209,60 | 0,000 |
| PC833  | 204,60 | 0,100 |
| PC834  | 206,53 | 0,000 |
| PC835  | 206,53 | 0,100 |
| PC836  | 204,69 | 0,120 |
| PC837  | 202,62 | 0,000 |
| PC838  | 203,06 | 0,100 |
| PC839  | 201,76 | 0,100 |
| PC83A  | 250,70 | 0,000 |
| PC83B  | 250,70 | 0,000 |
| PC84   | 256,70 | 0,050 |
| PC840  | 207,60 | 0,000 |
| PC841  | 208,60 | 0,100 |
| PC842  | 208,60 | 0,000 |
| PC843  | 208,60 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
211/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC844  | 208,60 | 0,000 |
| PC845  | 209,60 | 0,000 |
| PC846  | 211,60 | 0,000 |
| PC847  | 218,60 | 0,100 |
| PC848  | 209,60 | 0,000 |
| PC849  | 198,60 | 0,110 |
| PC85   | 240,70 | 0,000 |
| PC850  | 209,60 | 0,000 |
| PC851  | 207,60 | 0,100 |
| PC852  | 208,60 | 0,000 |
| PC853  | 209,60 | 0,100 |
| PC854  | 205,60 | 0,000 |
| PC855  | 206,60 | 0,000 |
| PC856  | 321,70 | 0,000 |
| PC857  | 331,60 | 0,000 |
| PC858  | 331,60 | 0,000 |
| PC858A | 331,60 | 0,000 |
| PC859  | 313,70 | 0,000 |
| PC86   | 235,70 | 0,000 |
| PC860  | 313,70 | 0,000 |
| PC861  | 335,00 | 0,000 |
| PC862  | 340,70 | 0,000 |
| PC863  | 314,70 | 0,100 |
| PC864  | 332,70 | 0,100 |
| PC865  | 309,70 | 0,000 |
| PC866  | 294,70 | 0,100 |
| PC867  | 298,70 | 0,100 |
| PC868  | 324,70 | 0,100 |
| PC869  | 307,70 | 0,100 |
| PC87   | 233,70 | 0,050 |
| PC870  | 305,70 | 0,000 |
| PC871  | 305,70 | 0,000 |
| PC872  | 303,70 | 0,000 |
| PC873  | 272,70 | 0,100 |
| PC874  | 331,70 | 0,100 |
| PC875  | 285,70 | 0,100 |
| PC876  | 339,70 | 0,100 |
| PC877  | 329,70 | 0,000 |
| PC878  | 329,70 | 0,000 |
| PC879  | 310,70 | 0,000 |
| PC88   | 288,70 | 0,000 |
| PC880  | 302,67 | 0,050 |
| PC881  | 314,70 | 0,050 |
| PC882  | 316,70 | 0,050 |
| PC882A | 316,70 | 0,000 |
| PC883  | 314,70 | 0,000 |
| PC884  | 314,70 | 0,000 |
| PC885  | 278,70 | 0,050 |
| PC886  | 288,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>212/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC887  | 300,70 | 0,050 |
| PC888  | 289,70 | 0,000 |
| PC889  | 243,70 | 0,050 |
| PC88A  | 261,70 | 0,000 |
| PC88B  | 261,70 | 0,000 |
| PC89   | 252,06 | 0,050 |
| PC890  | 258,70 | 0,000 |
| PC891  | 283,70 | 0,000 |
| PC892  | 283,70 | 0,000 |
| PC893  | 279,70 | 0,050 |
| PC894  | 289,70 | 0,000 |
| PC895  | 289,70 | 0,000 |
| PC896  | 289,70 | 0,000 |
| PC897  | 248,70 | 0,000 |
| PC898  | 287,70 | 0,000 |
| PC899  | 262,70 | 0,000 |
| PC8A   | 198,70 | 0,000 |
| PC9    | 200,70 | 0,050 |
| PC90   | 283,70 | 0,050 |
| PC900  | 260,70 | 0,050 |
| PC901  | 236,70 | 0,000 |
| PC902  | 237,70 | 0,050 |
| PC903  | 237,70 | 0,050 |
| PC904  | 245,70 | 0,050 |
| PC905  | 230,70 | 0,050 |
| PC906  | 315,70 | 0,000 |
| PC907  | 298,70 | 0,000 |
| PC908  | 298,70 | 0,000 |
| PC909  | 272,70 | 0,100 |
| PC91   | 277,70 | 0,000 |
| PC910  | 299,70 | 0,000 |
| PC911  | 301,70 | 0,000 |
| PC912  | 301,70 | 0,000 |
| PC913  | 298,70 | 0,100 |
| PC914  | 269,70 | 0,100 |
| PC915  | 294,70 | 0,000 |
| PC916  | 294,70 | 0,000 |
| PC917  | 266,70 | 0,100 |
| PC918  | 296,70 | 0,000 |
| PC918A | 296,70 | 0,000 |
| PC919  | 279,70 | 0,000 |
| PC91A  | 277,70 | 0,000 |
| PC92   | 243,70 | 0,050 |
| PC920  | 269,70 | 0,000 |
| PC921  | 278,70 | 0,000 |
| PC922  | 261,70 | 0,100 |
| PC923  | 244,70 | 0,100 |
| PC924  | 240,70 | 0,100 |
| PC924A | 268,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>213/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC924B | 268,70 | 0,000 |
| PC925  | 322,70 | 0,100 |
| PC926  | 310,70 | 0,100 |
| PC926A | 310,70 | 1,000 |
| PC927  | 313,70 | 0,100 |
| PC928  | 325,70 | 0,000 |
| PC929  | 305,70 | 0,100 |
| PC93   | 304,70 | 0,050 |
| PC930  | 279,70 | 0,000 |
| PC931  | 273,70 | 0,100 |
| PC932  | 271,70 | 0,000 |
| PC933  | 268,70 | 0,100 |
| PC934  | 270,70 | 0,000 |
| PC935  | 279,70 | 0,000 |
| PC936  | 260,70 | 0,050 |
| PC937  | 254,70 | 0,000 |
| PC937A | 253,70 | 0,000 |
| PC937B | 253,70 | 0,000 |
| PC938  | 236,70 | 0,000 |
| PC939  | 244,70 | 0,100 |
| PC94   | 307,70 | 0,050 |
| PC940  | 225,70 | 0,000 |
| PC941  | 260,70 | 0,050 |
| PC942  | 223,70 | 0,100 |
| PC943  | 216,70 | 0,100 |
| PC944  | 215,70 | 0,100 |
| PC945  | 222,70 | 0,000 |
| PC946  | 215,70 | 0,050 |
| PC947  | 202,70 | 0,000 |
| PC947A | 202,70 | 0,000 |
| PC948  | 248,70 | 0,000 |
| PC948A | 248,70 | 0,030 |
| PC949  | 278,70 | 0,020 |
| PC949A | 278,70 | 0,000 |
| PC94A  | 278,70 | 0,000 |
| PC94B  | 278,80 | 0,000 |
| PC95   | 263,70 | 0,000 |
| PC950  | 214,70 | 0,000 |
| PC951  | 213,70 | 0,100 |
| PC952  | 208,70 | 0,100 |
| PC953  | 228,70 | 0,000 |
| PC954  | 264,70 | 0,000 |
| PC955  | 264,70 | 0,000 |
| PC956  | 231,70 | 0,050 |
| PC957  | 223,70 | 0,000 |
| PC958  | 223,70 | 0,000 |
| PC959  | 219,70 | 0,050 |
| PC96   | 269,70 | 0,000 |
| PC960  | 218,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br>_____<br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>214/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |        |       |
|---------|--------|-------|
| PC961   | 200,70 | 0,050 |
| PC962   | 228,70 | 0,000 |
| PC963   | 234,70 | 0,000 |
| PC964   | 233,70 | 0,000 |
| PC965   | 227,70 | 0,050 |
| PC966   | 237,70 | 0,000 |
| PC967   | 235,70 | 0,050 |
| PC968   | 225,70 | 0,000 |
| PC969   | 223,70 | 0,050 |
| PC97    | 318,70 | 0,000 |
| PC970   | 224,70 | 0,050 |
| PC971   | 224,70 | 0,000 |
| PC972   | 222,70 | 0,050 |
| PC973   | 226,70 | 0,000 |
| PC974   | 222,70 | 0,050 |
| PC975   | 226,70 | 0,000 |
| PC976   | 208,70 | 0,050 |
| PC977   | 211,70 | 0,050 |
| PC978   | 205,70 | 0,050 |
| PC979   | 224,70 | 0,000 |
| PC98    | 281,70 | 0,050 |
| PC980   | 230,70 | 0,000 |
| PC981   | 237,70 | 0,050 |
| PC982   | 240,70 | 0,050 |
| PC983   | 209,70 | 0,050 |
| PC984   | 310,70 | 0,000 |
| PC984A  | 310,70 | 0,050 |
| PC984B  | 310,70 | 0,000 |
| PC985   | 310,70 | 0,000 |
| PC986   | 288,70 | 0,050 |
| PC987   | 301,70 | 0,100 |
| PC988   | 292,70 | 0,100 |
| PC989   | 292,70 | 0,100 |
| PC98A   | 281,70 | 0,000 |
| PC99    | 266,70 | 0,050 |
| PC990   | 295,70 | 0,000 |
| PC991   | 292,70 | 0,100 |
| PC992   | 292,70 | 0,500 |
| PC993   | 260,70 | 0,000 |
| PC994   | 229,70 | 0,100 |
| PC995   | 260,70 | 0,000 |
| PC996   | 229,70 | 0,100 |
| PC996A  | 229,70 | 0,000 |
| PC997   | 229,70 | 0,000 |
| PC998   | 229,70 | 0,000 |
| PC999   | 218,70 | 0,000 |
| PL2442A | 164,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>215/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKÉ ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

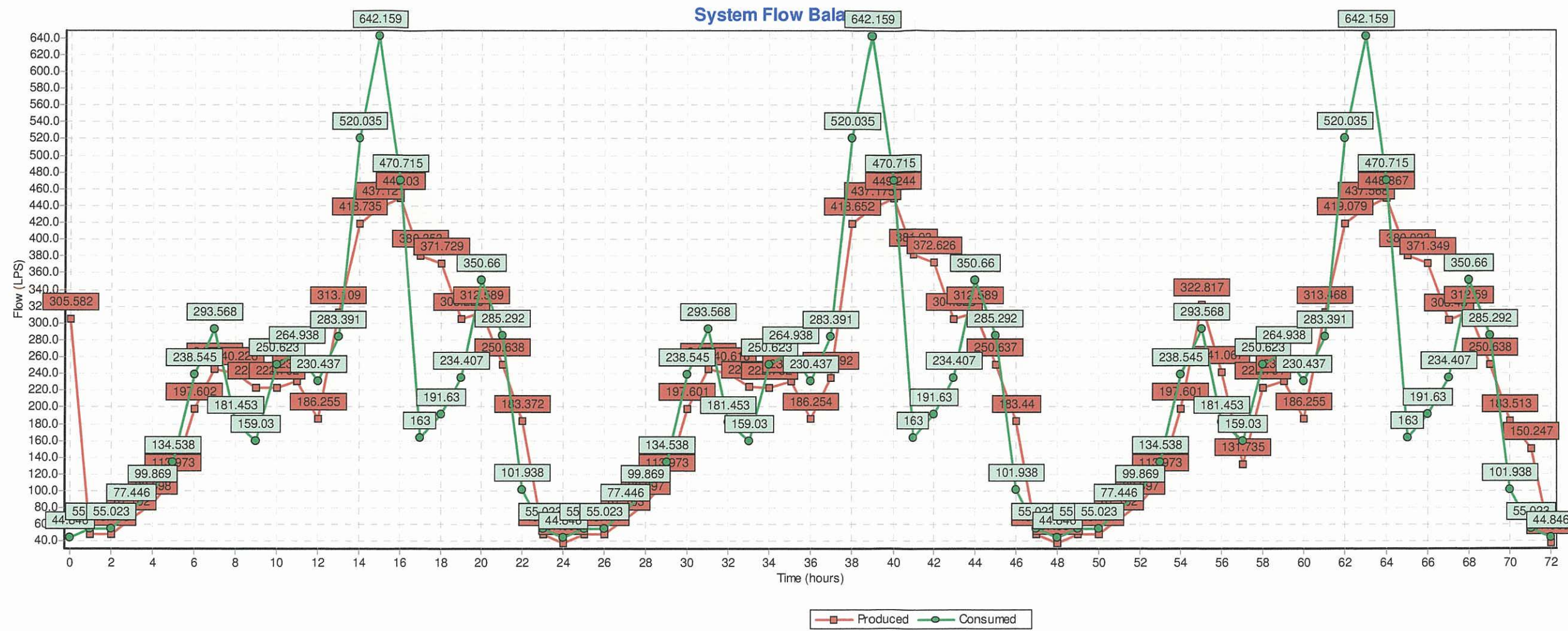
NAPOMENA: Svi čvorovi i dionice detektiraju se pomoću tražilice u sklopu hidrauličkog matematičkog modela (DVD).

#### **4.4. Rezultati simulacija – listinzi**

U nastavku su priloženi karakteristični podaci i rezultati simulacija hidrauličkog matematičkog modela postojećeg stanja:

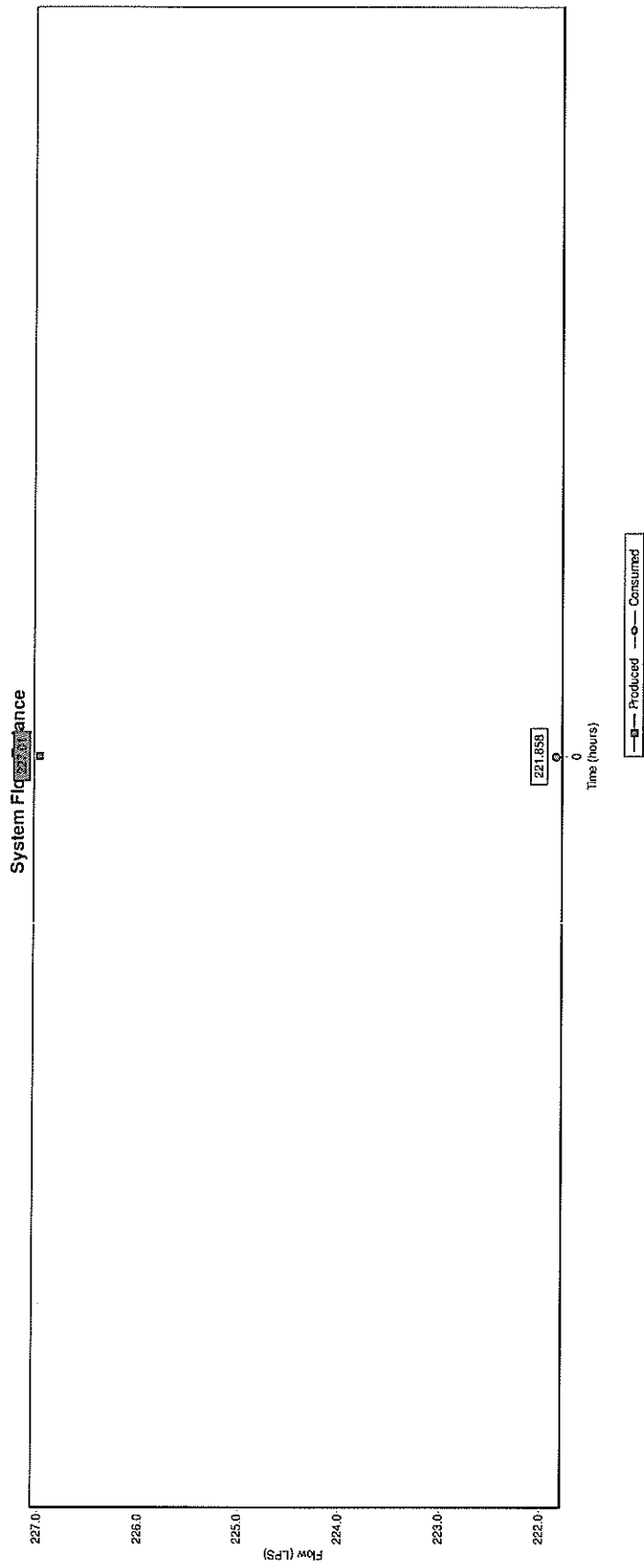
|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br><hr/> Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

# Dijagram proizvodnje i potrošnje

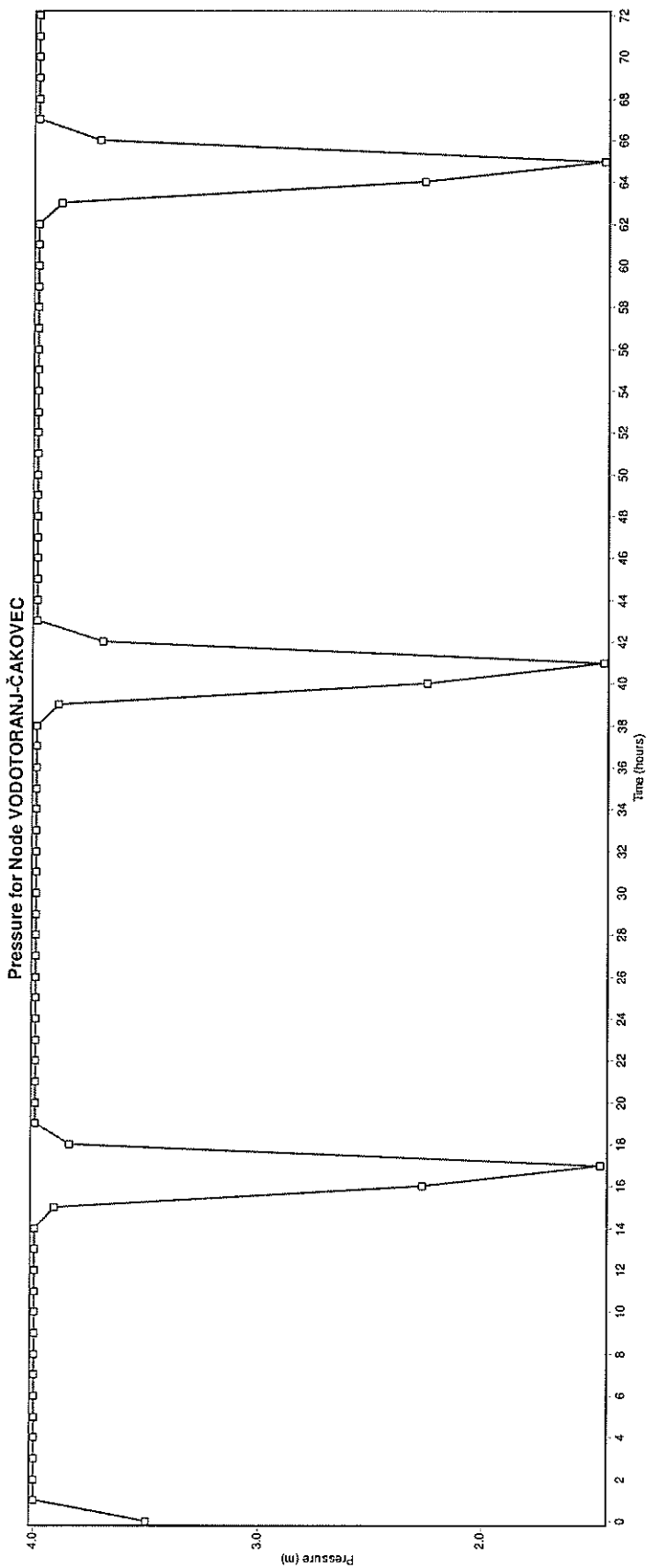




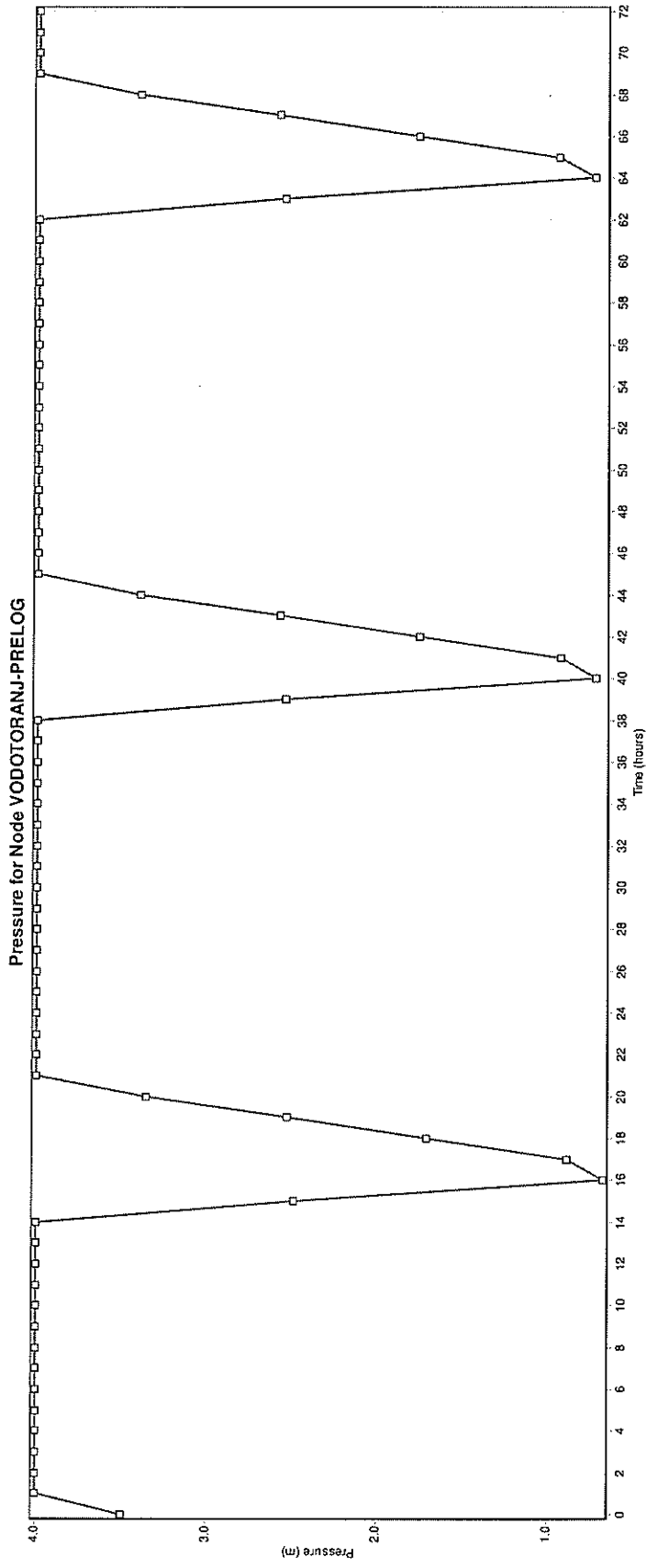
# Srednja dnevna proizvodnja i potrošnja



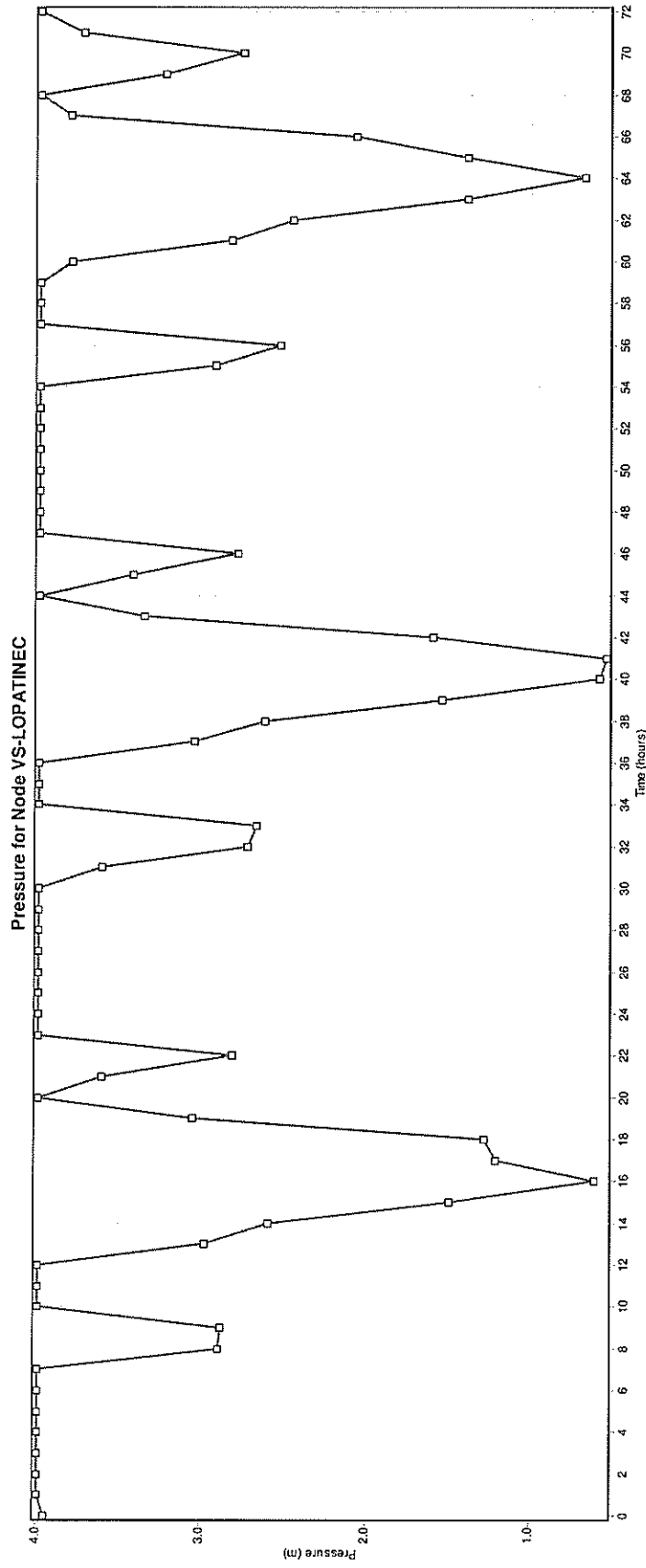
# Dijagram punjenja i pražnjenja vodotornja Čakovec



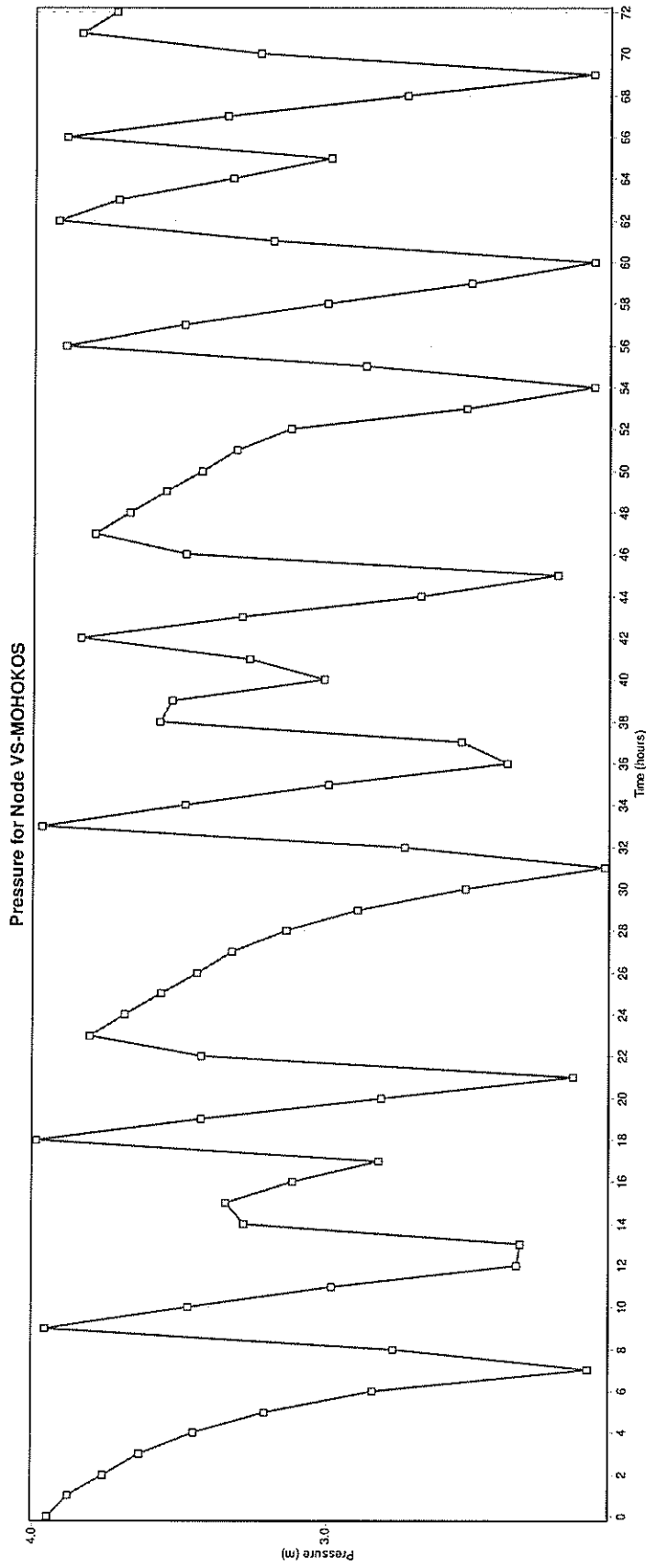
# Dijagram punjenja i pražnjenja vodotornja Prelog



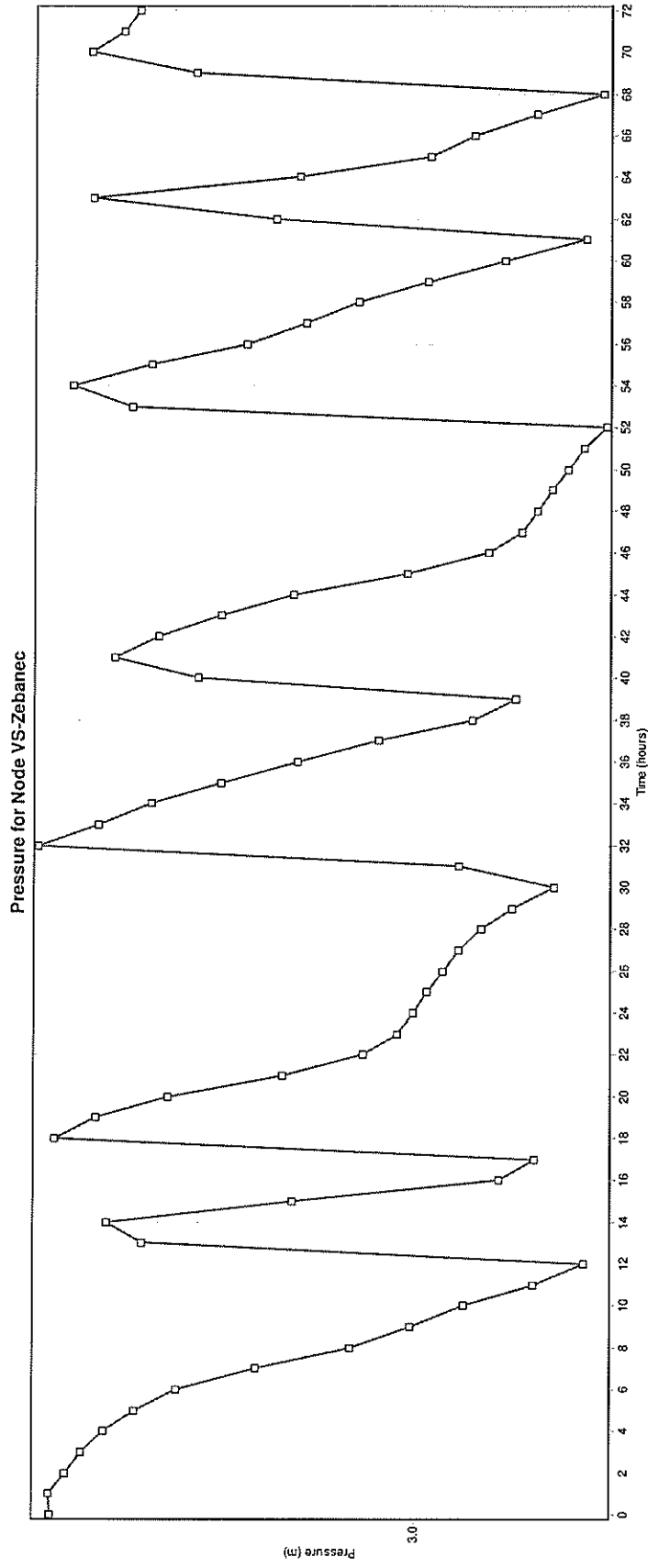
# Dijagram punjenja i pražnjenja vodospremnika Lopatinec



# Dijagram punjenja i pražnjenja vodospremnika Mohokos

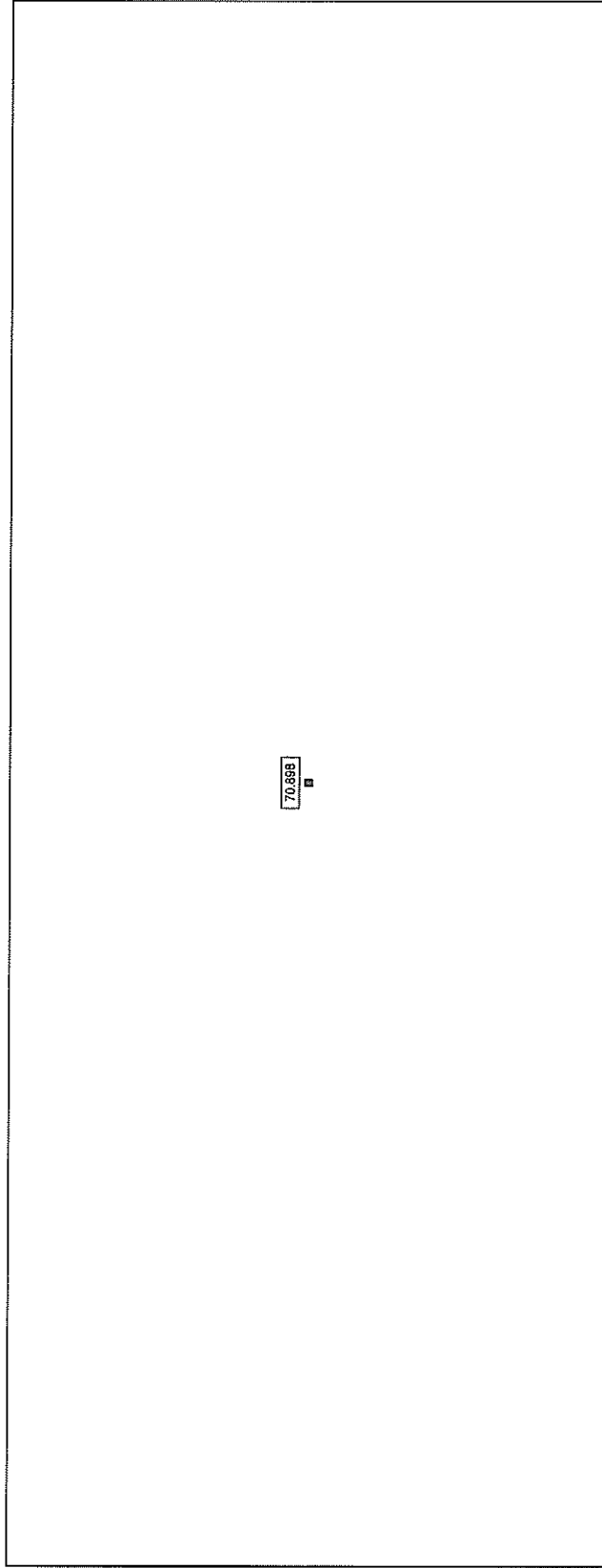


# Dijagram punjenja i pražnjenja vodospremnika Zebanec



# Srednji dnevni proticaj u smjeru VS Lopatinec

Flow for Link PL1638AB

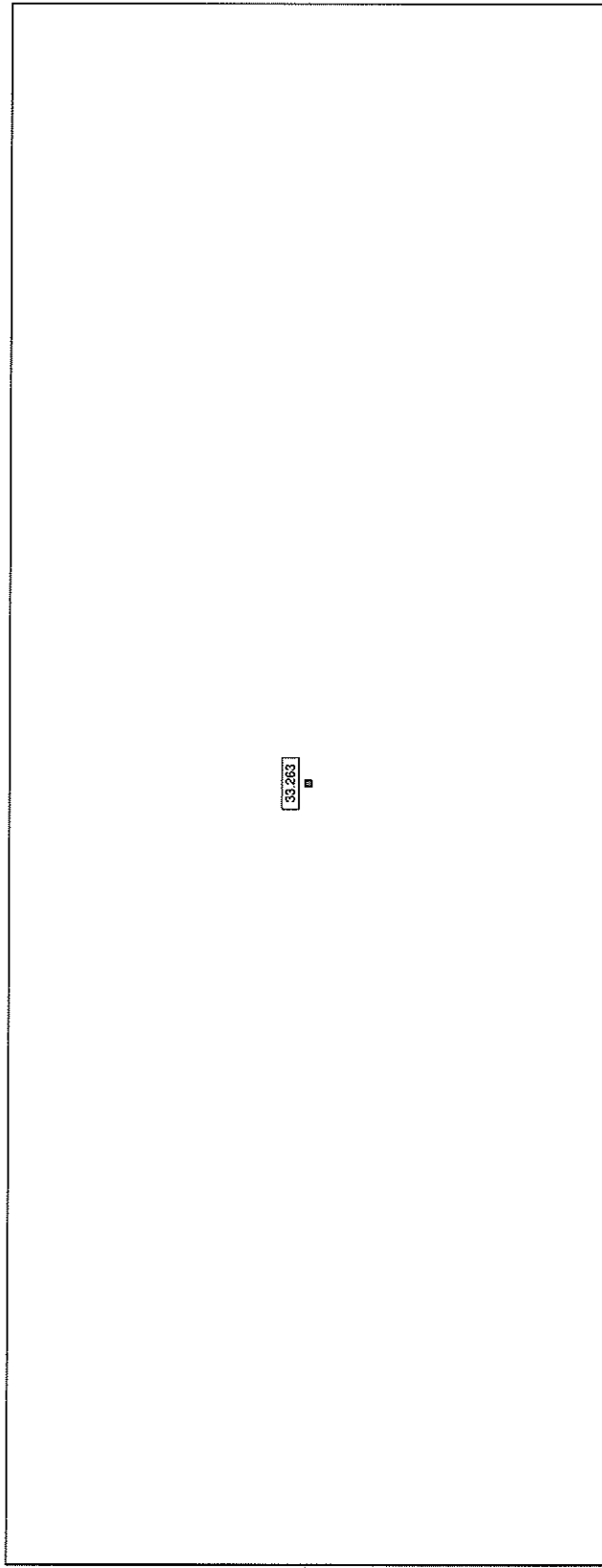


Flow (LPS)

Time (hours)

# Srednji dnevni proticaj vodocrpilište Nedelišče-Čakovec (pvc DN 400)

Flow for Link PL1638



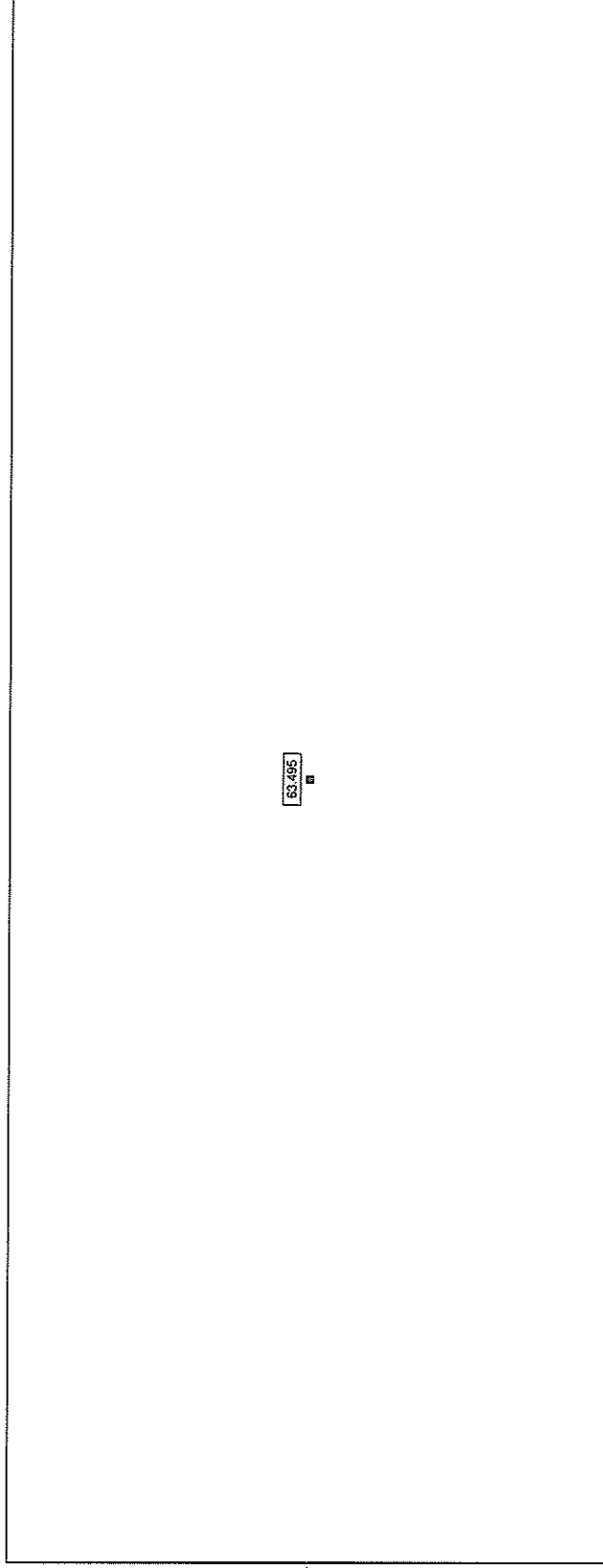
Flow (l/s)

0  
Time (hours)



# Srednji dnevni proticaj vodocrpilište Nedelišće-Čakovec (acc DN 600)

Flow for Link PL1617

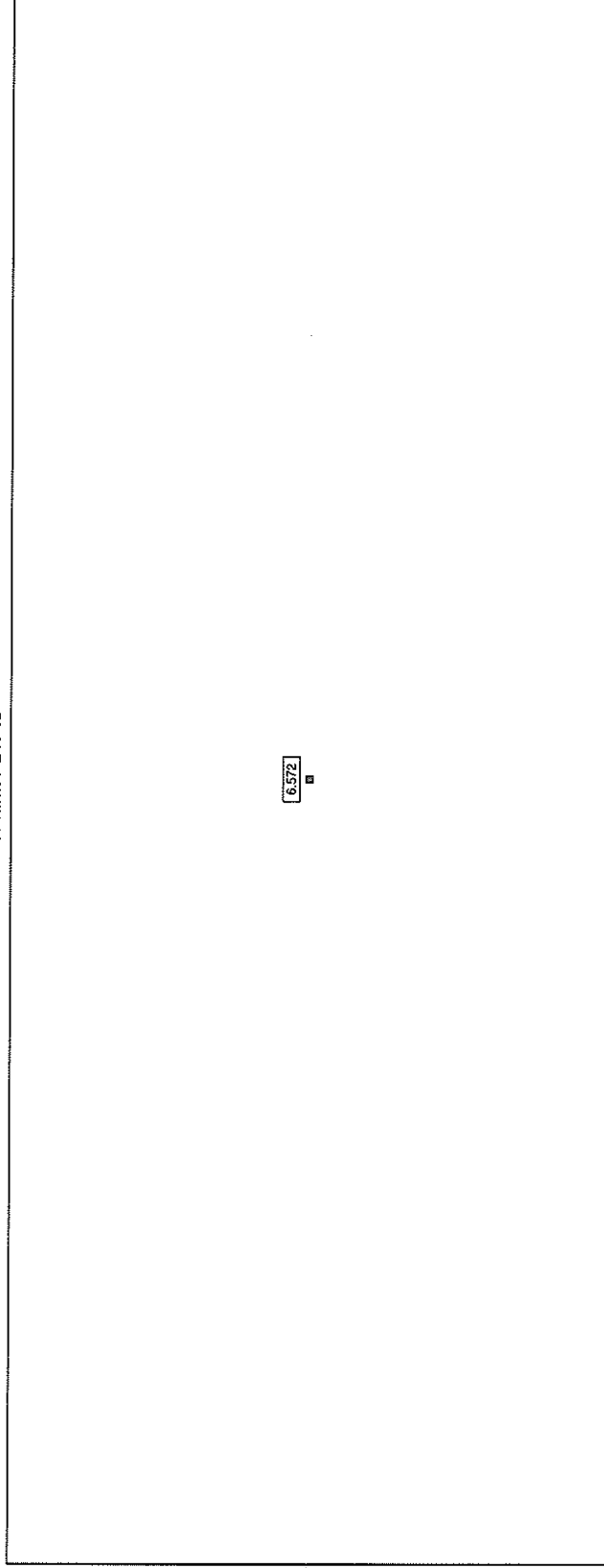


Flow (lps)

Time (hours)

# Srednji dnevni proticaj vodocrpilište Nedelišće-smijer jug

Flow for Link PL1743



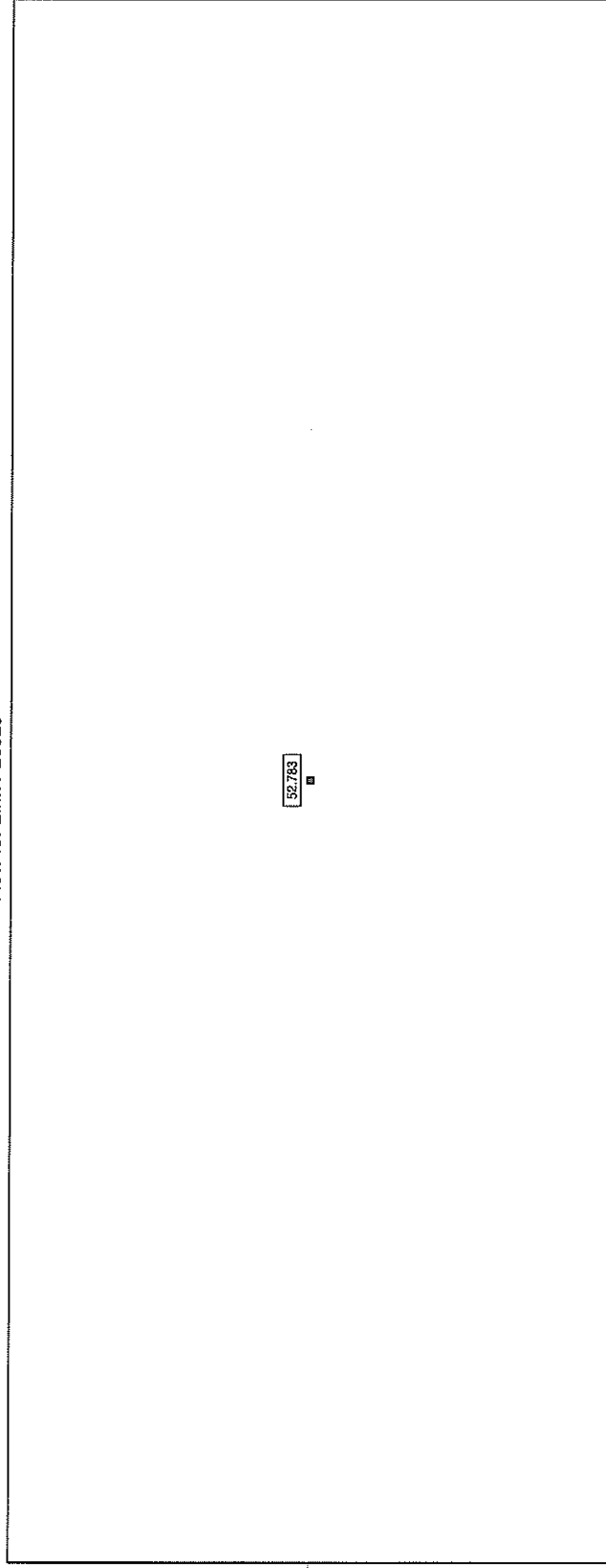
Flow (l/s)

6.572

0  
Time (hours)

# Srednji dnevni proticaj vodocrpilište Prelog-mreža-vodotoranj Prelog

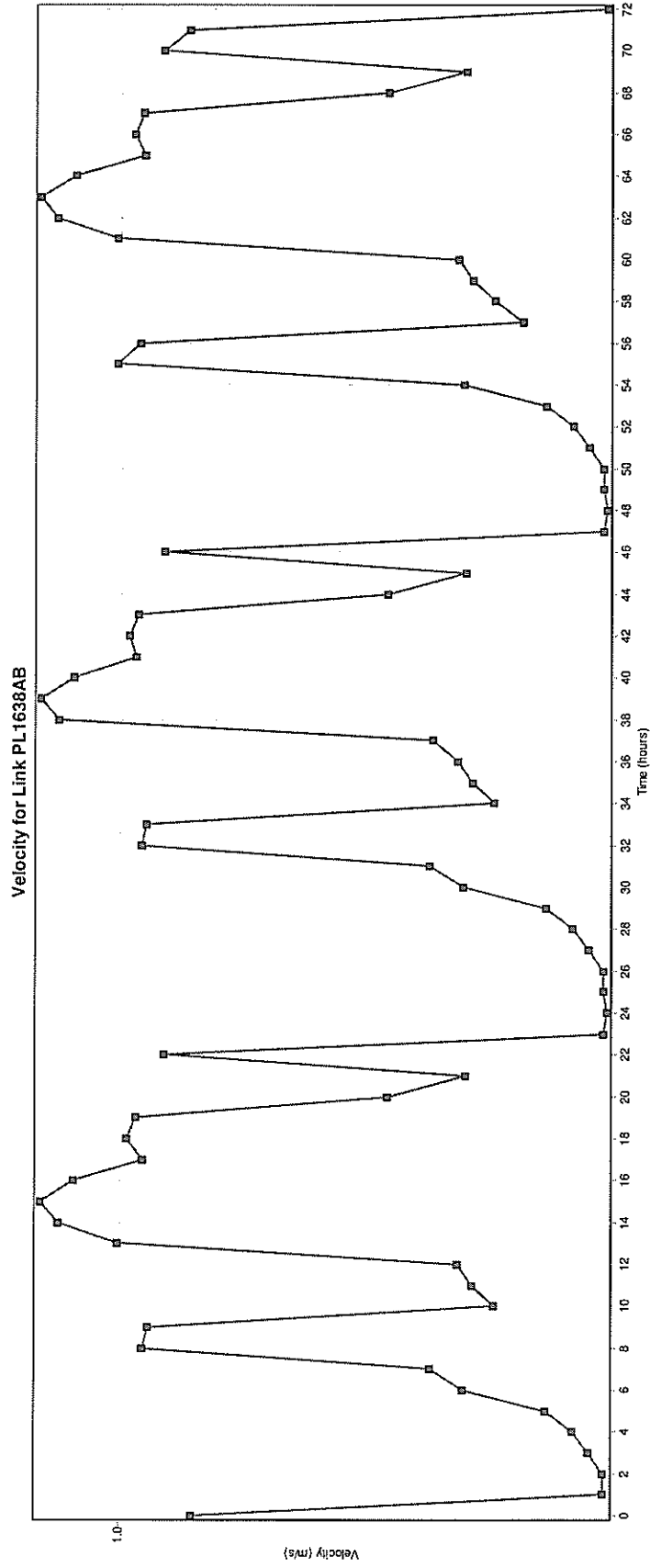
Flow for Link PL3629



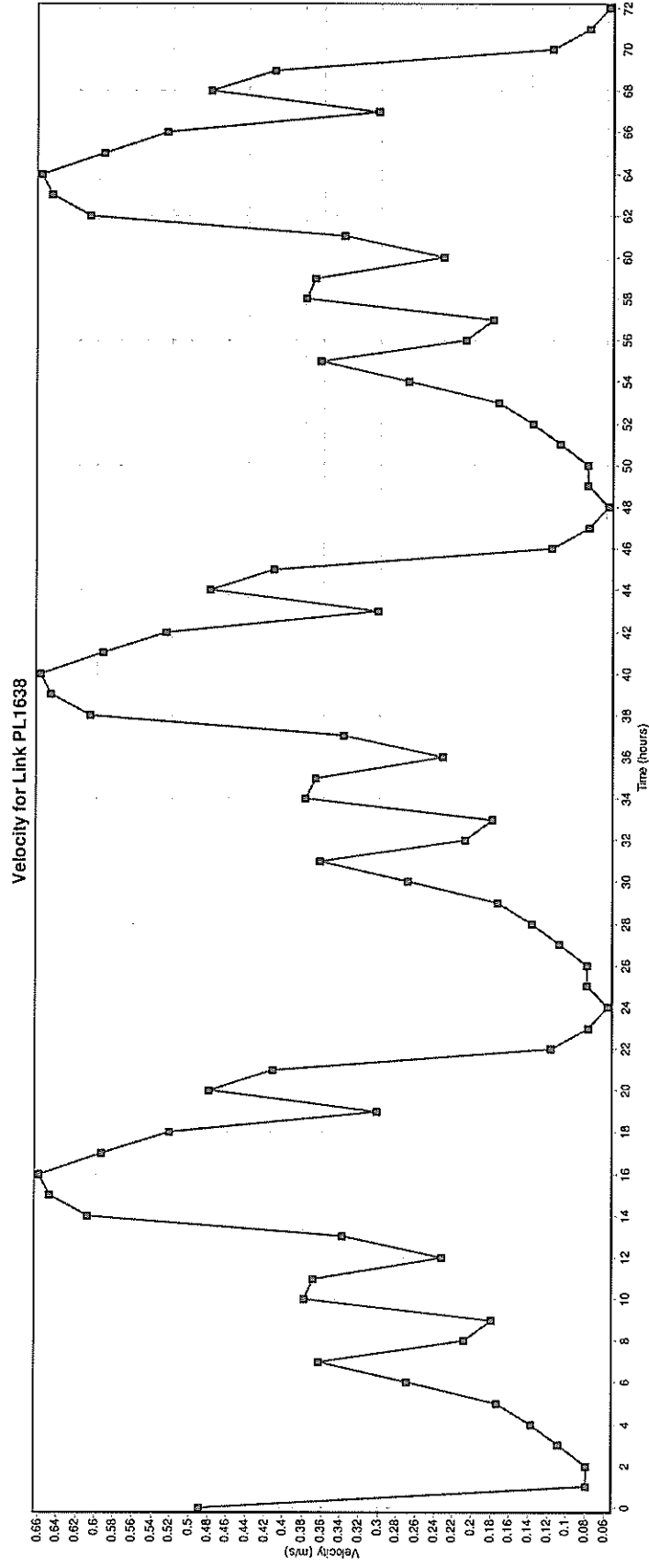
Flow (l/s)

Time (hours)

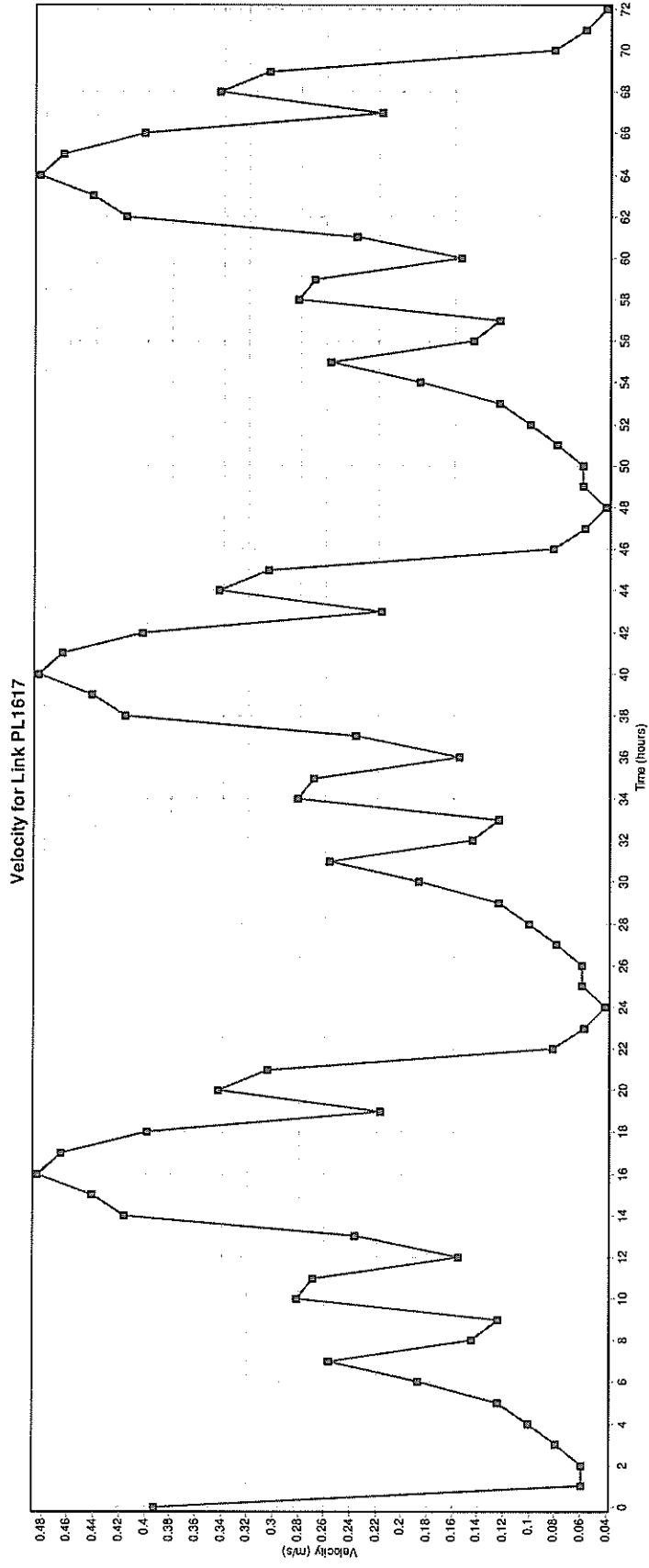
# Dijagram brzina: tlačni vod smijer Lopatinec



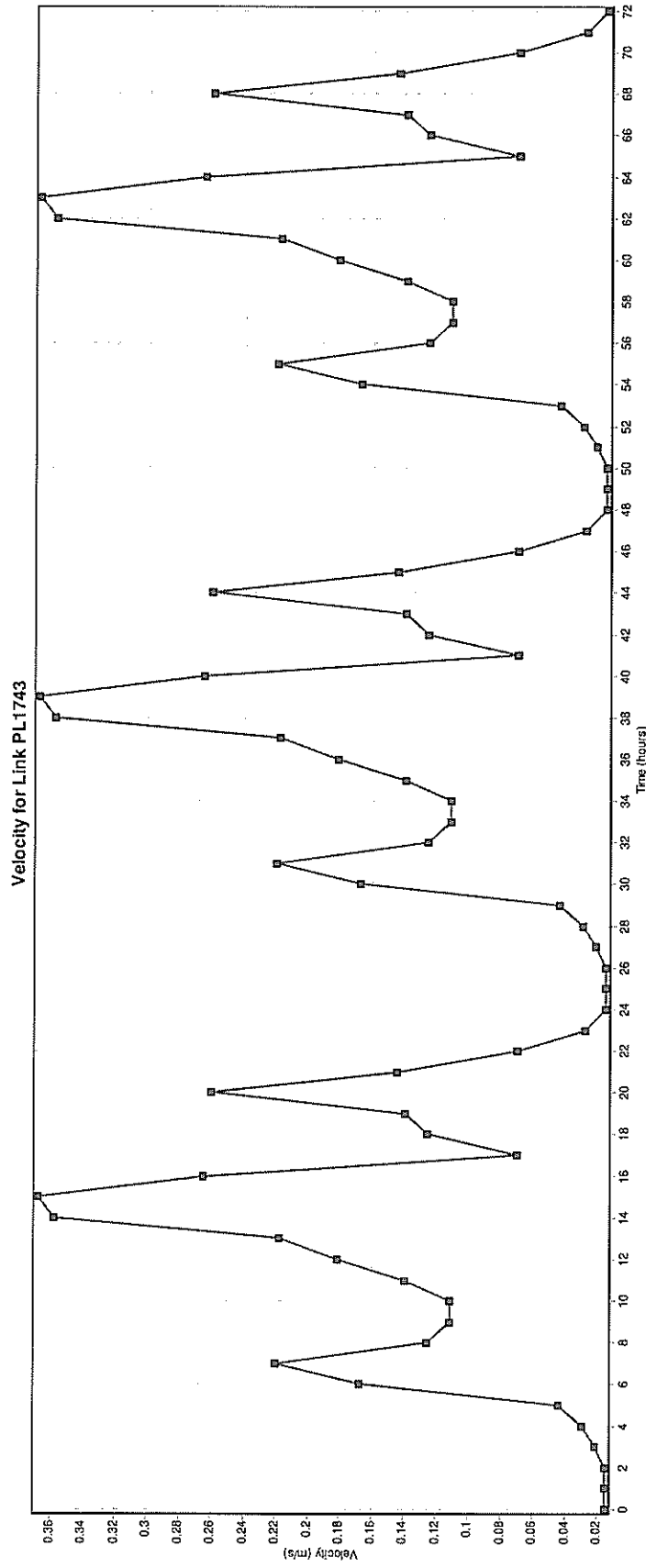
# Dijagram brzina: vodocrpilište-Čakovec (pvc DN 400)



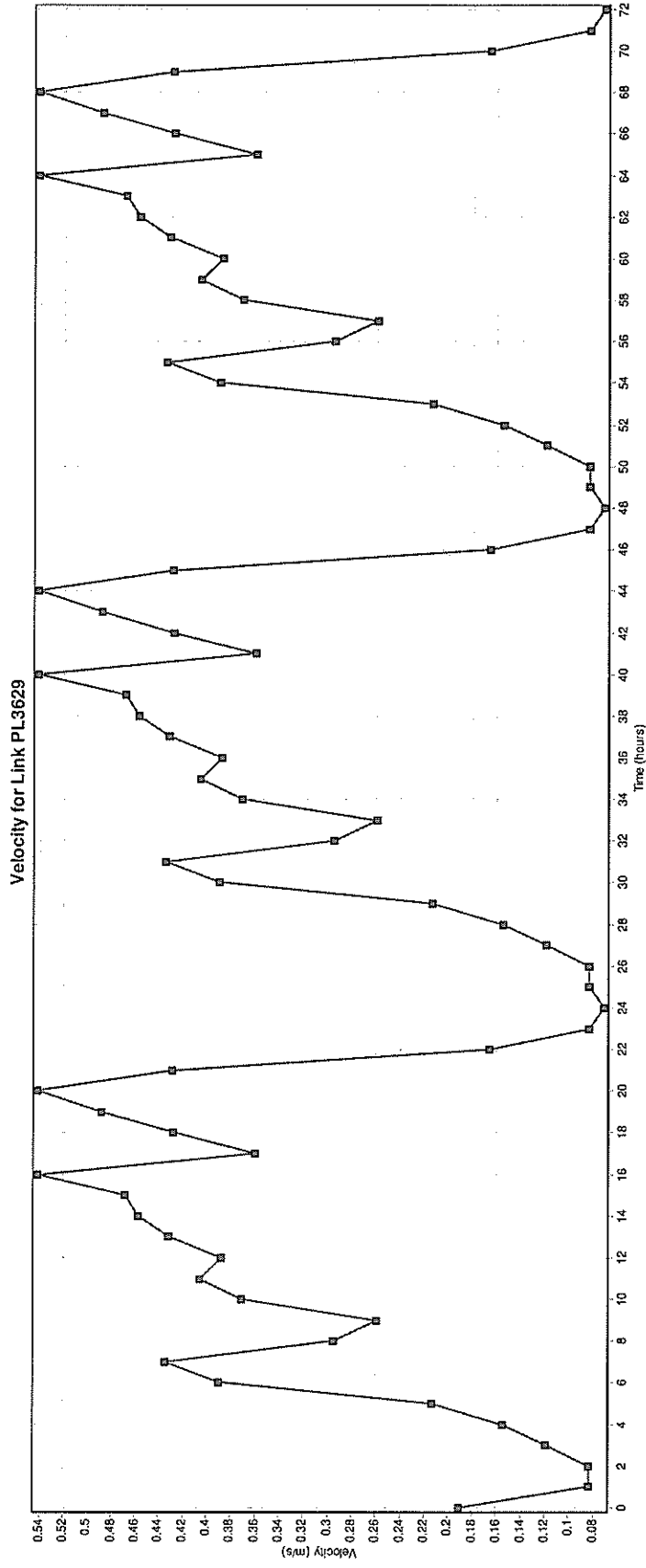
# Dijagram brzina: vodocrpilište-Čakovec (acc DN 600)



# Dijagram brzina: vodocrpilište-jug (duc DN 250)

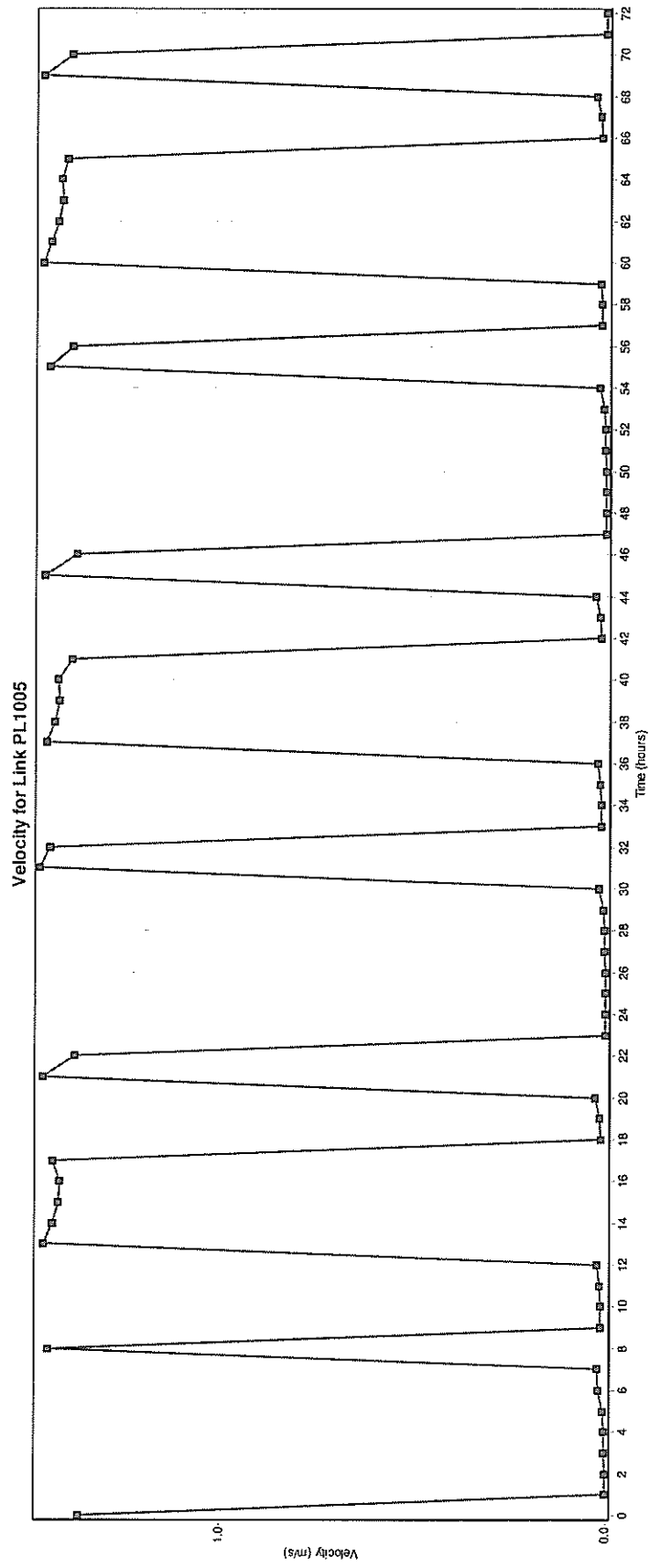


# Dijagram brzina: vodocrpilište Prelog-mreža-VT Prelog





# Dijagram brzina: tlačni cjevovod Lopatinec-Mohokos



|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>234/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKÉ ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

#### **4.5. Analiza rezultata simulacija postojećeg stanja**

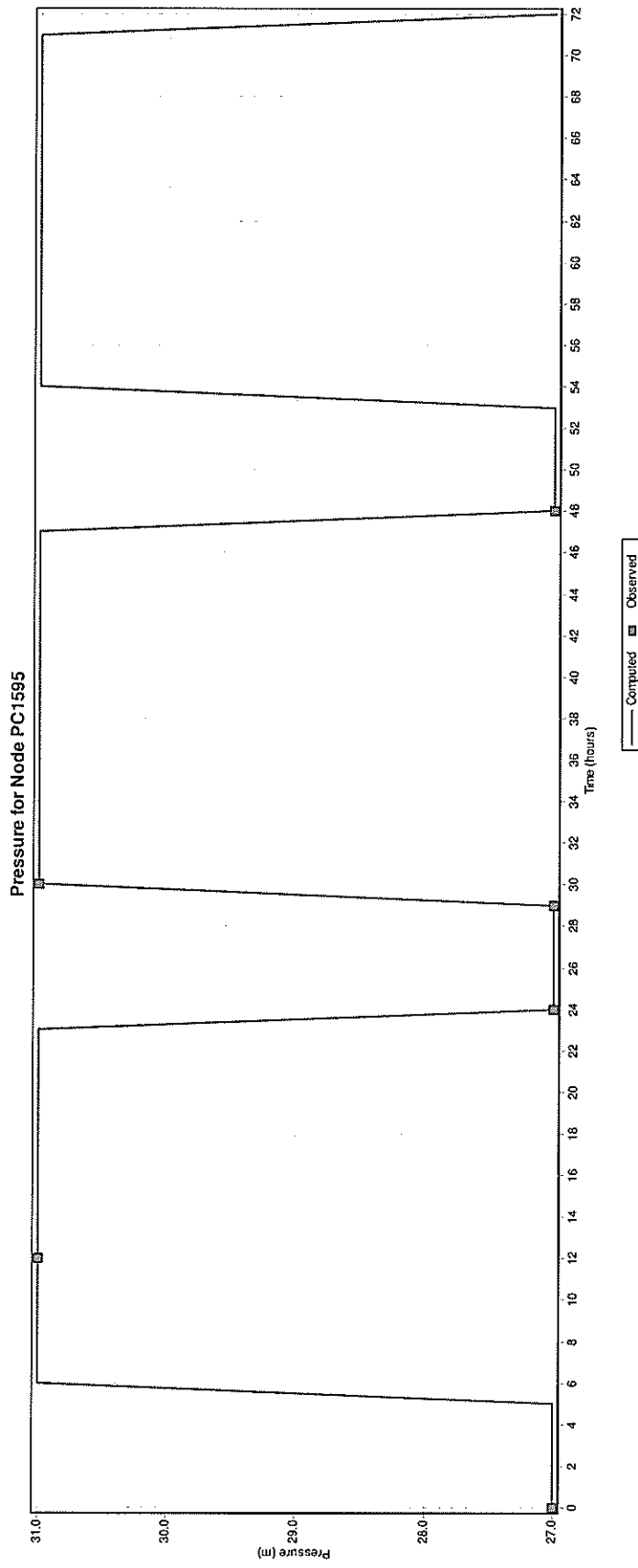
Nakon što je koncipiran hidraulički matematički model postojećeg stanja, izvršeno je oko 2000 simulacija različitih pogonskih stanja koja se javljaju tijekom eksploatacije sustava.

Obzirom da Naručitelj vrši kontinuirana mjerenja na sustavu, ovi podaci su iskorišteni na način da je već u ovoj fazi izvršena kalibracija modela.

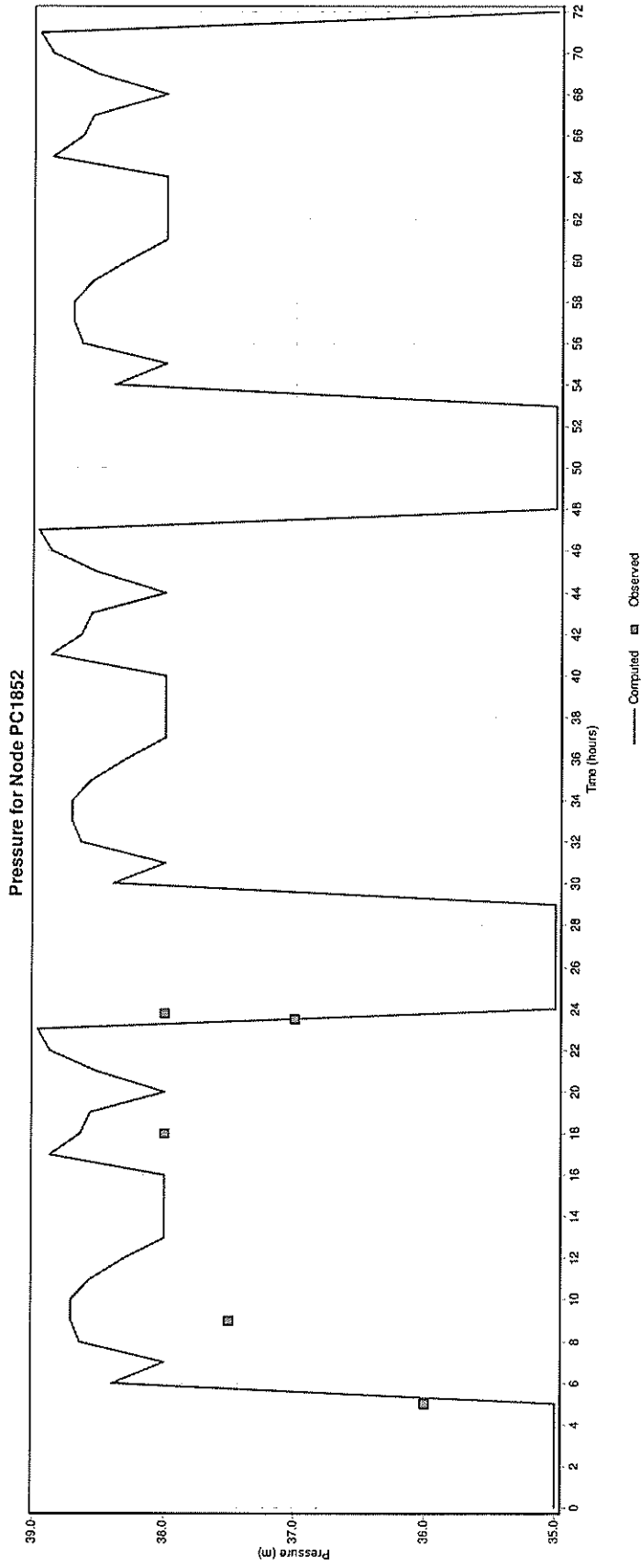
Rezultati kalibracija potvrđuju da hidraulički matematički model odgovara postojećem stanju, a što je prezentirano u nastavku:

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:                             | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| <u>Krunoslav Čingel, dipl.ing.građ.</u> |                   | Nadnevak |   |   |   |   |   |

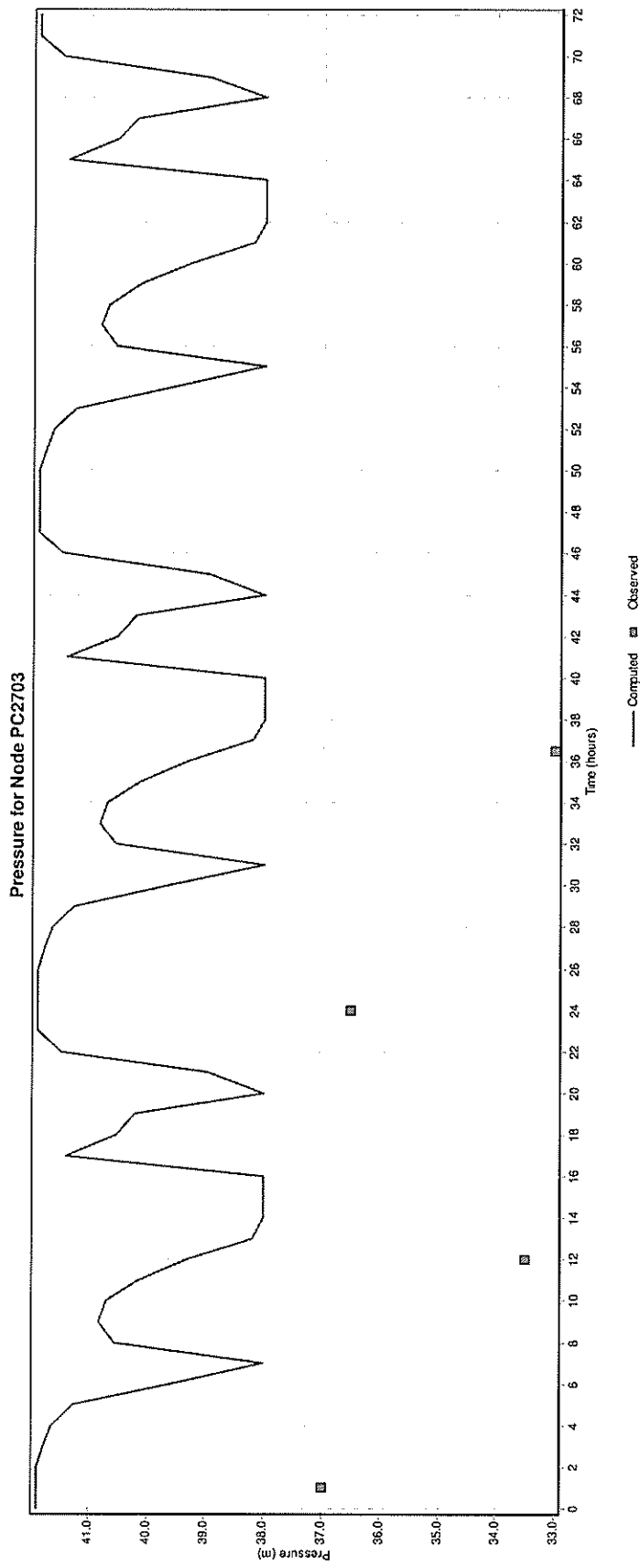
# Prikaz rezultata kalibracije tlaka u čvoru PC1595



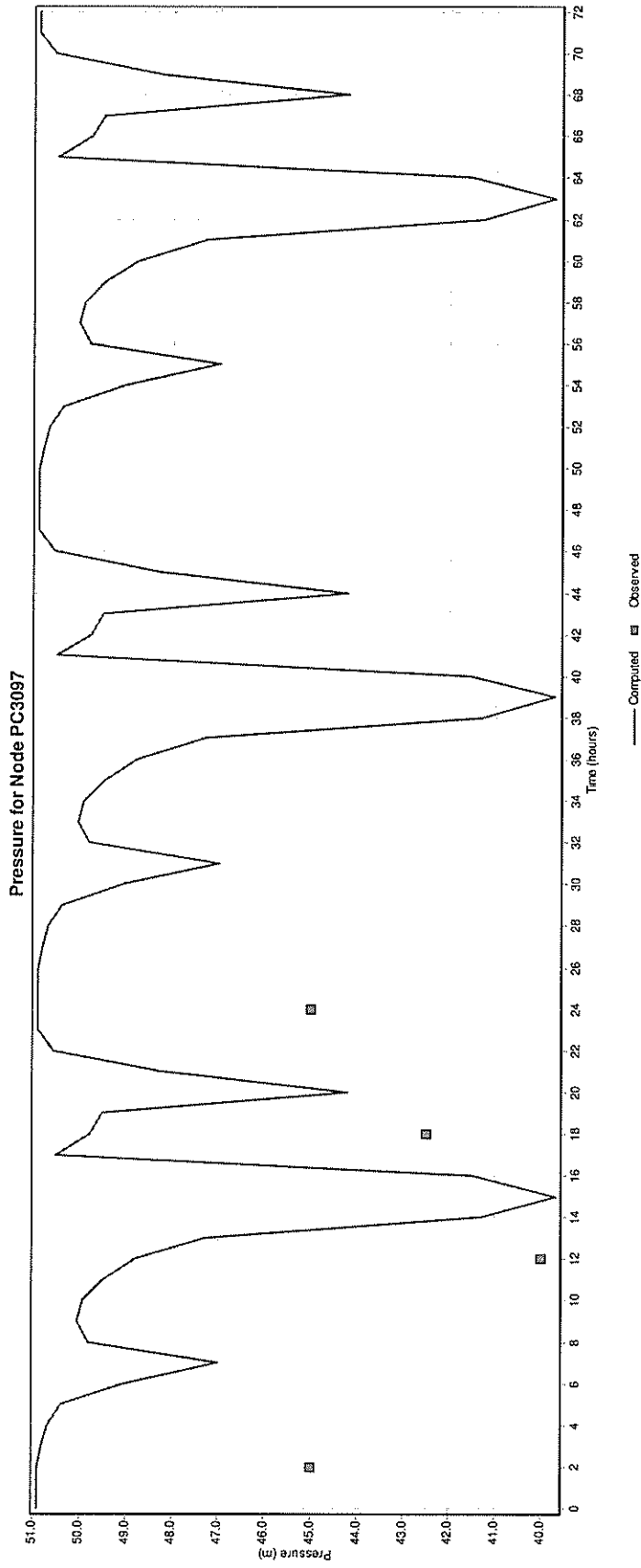
# Prikaz rezultata kalibracije tlaka u čvoru PC1852



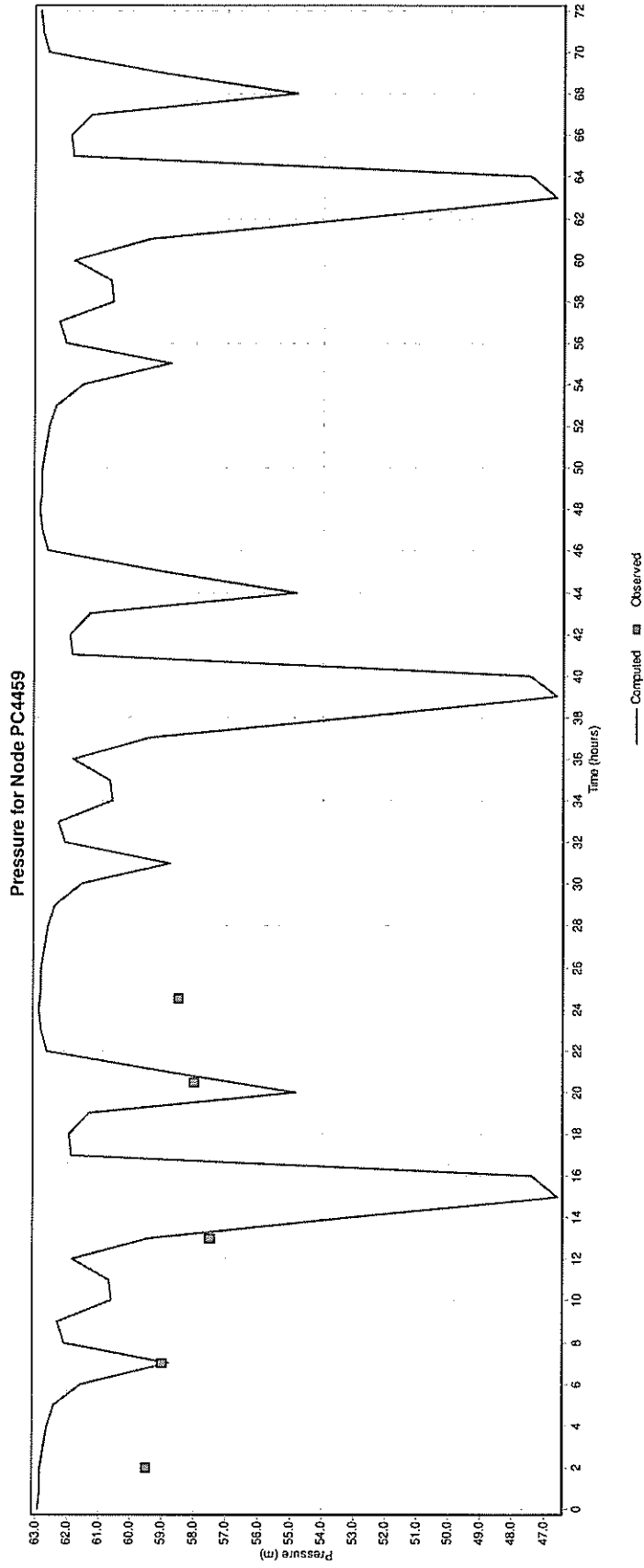
# Prikaz rezultata kalibracije tlaka u čvoru PC2703



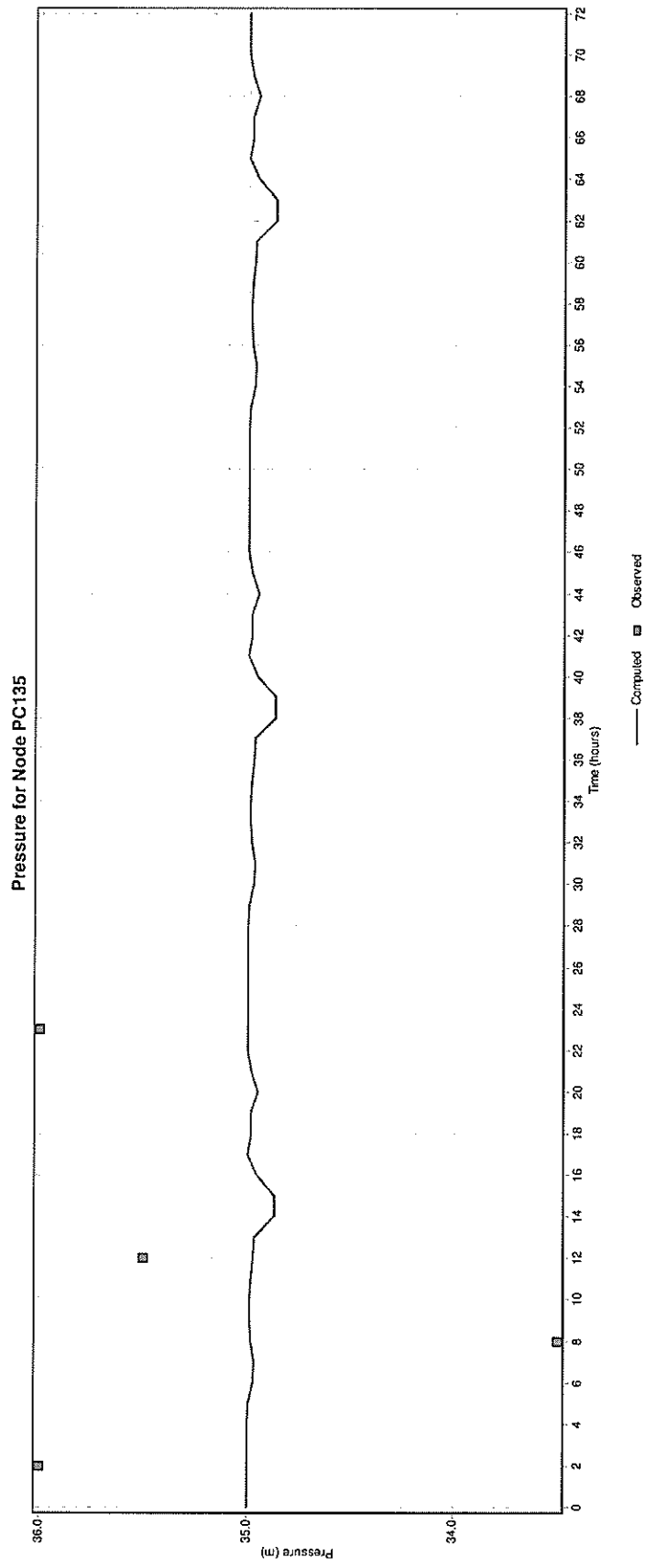
# Prikaz rezultata kalibracije tlaka u čvoru PC3097



# Prikaz rezultata kalibracije tlaka u čvoru PC4459

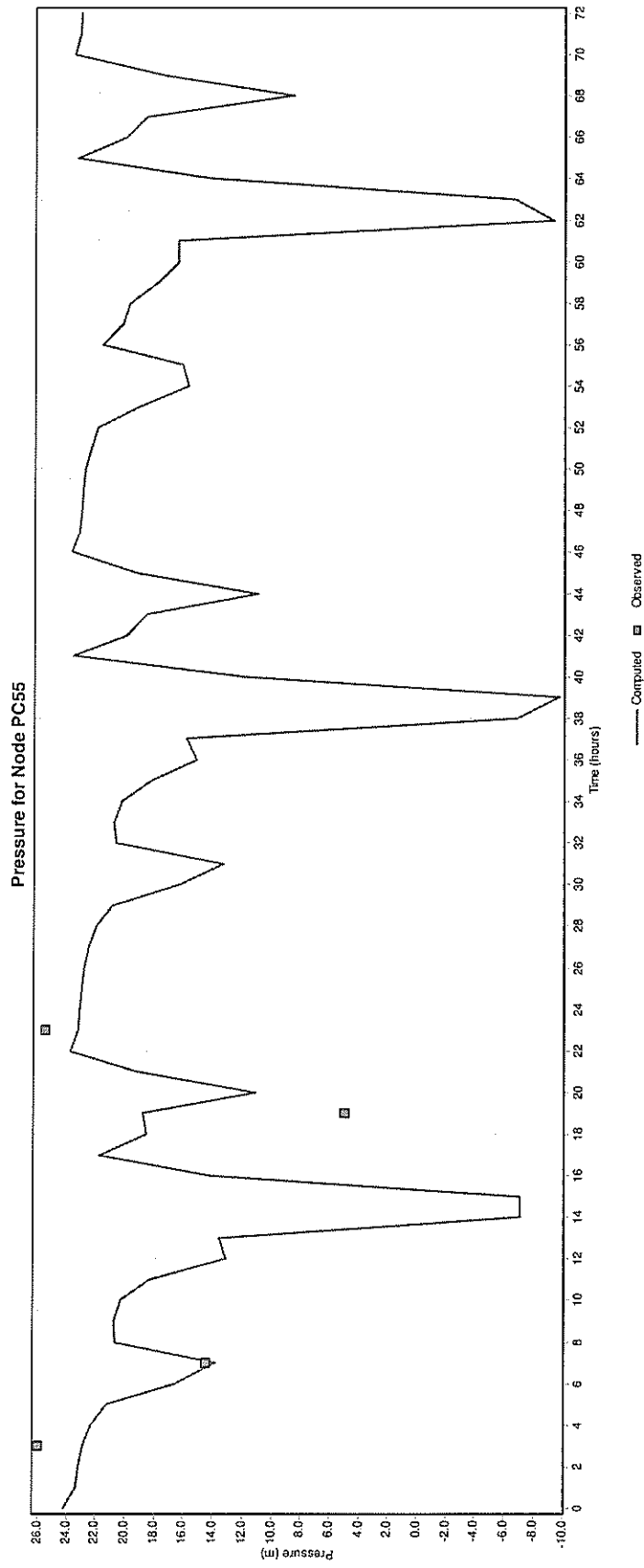


# Prikaz rezultata kalibracije tlaka u čvoru PC135

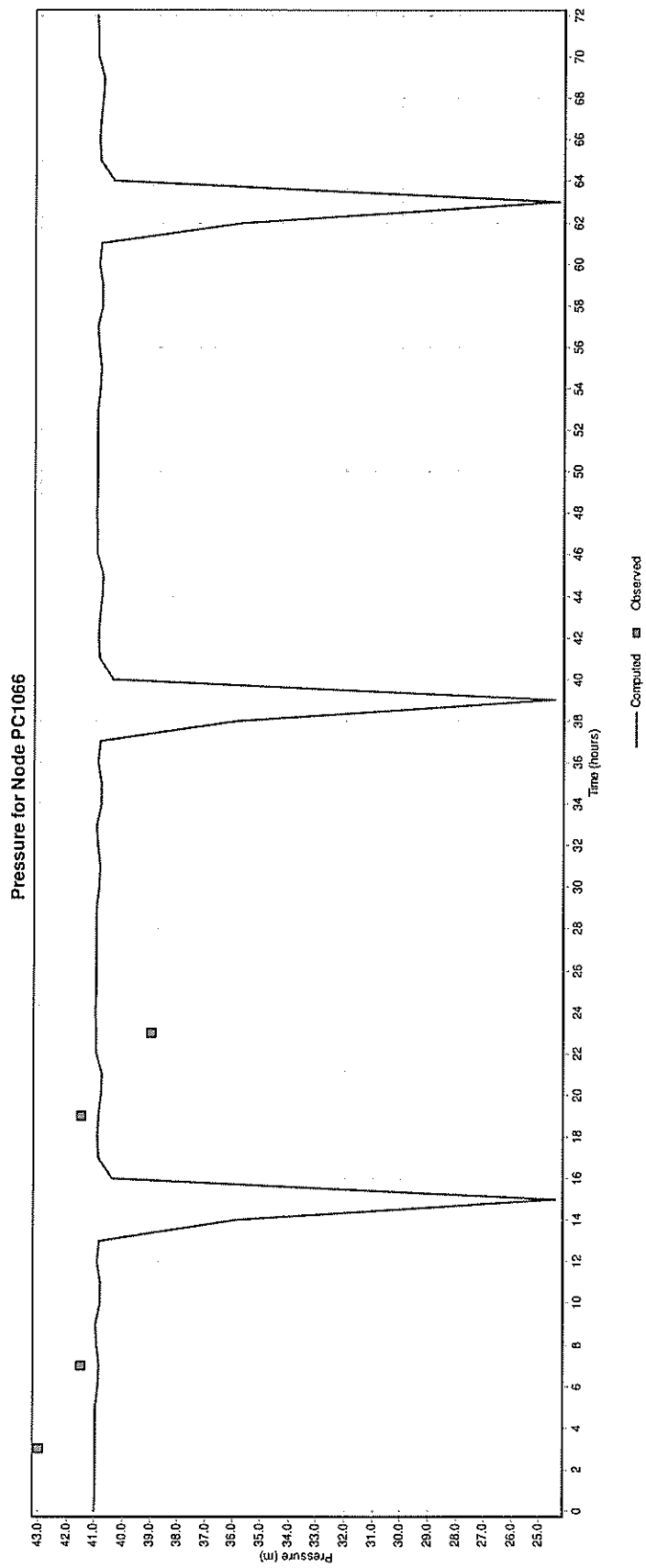




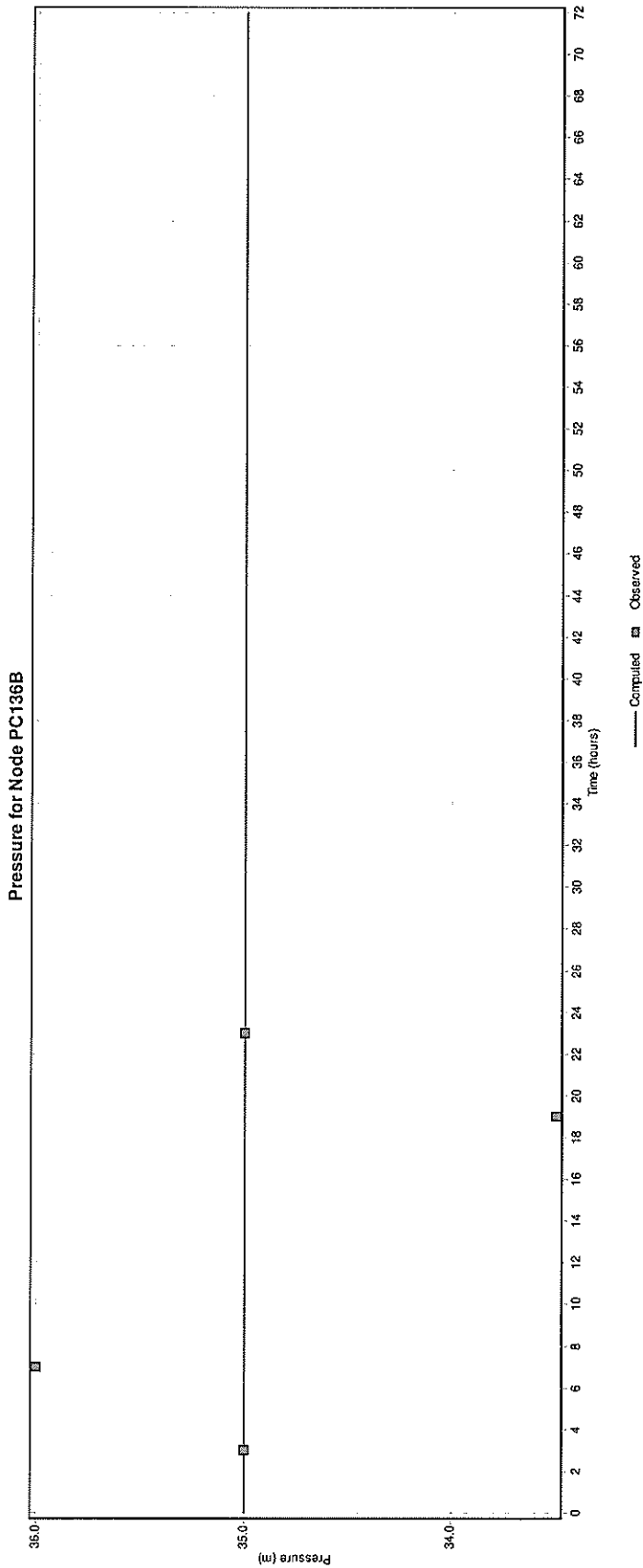
# Prikaz rezultata kalibracije tlaka u čvoru PC55



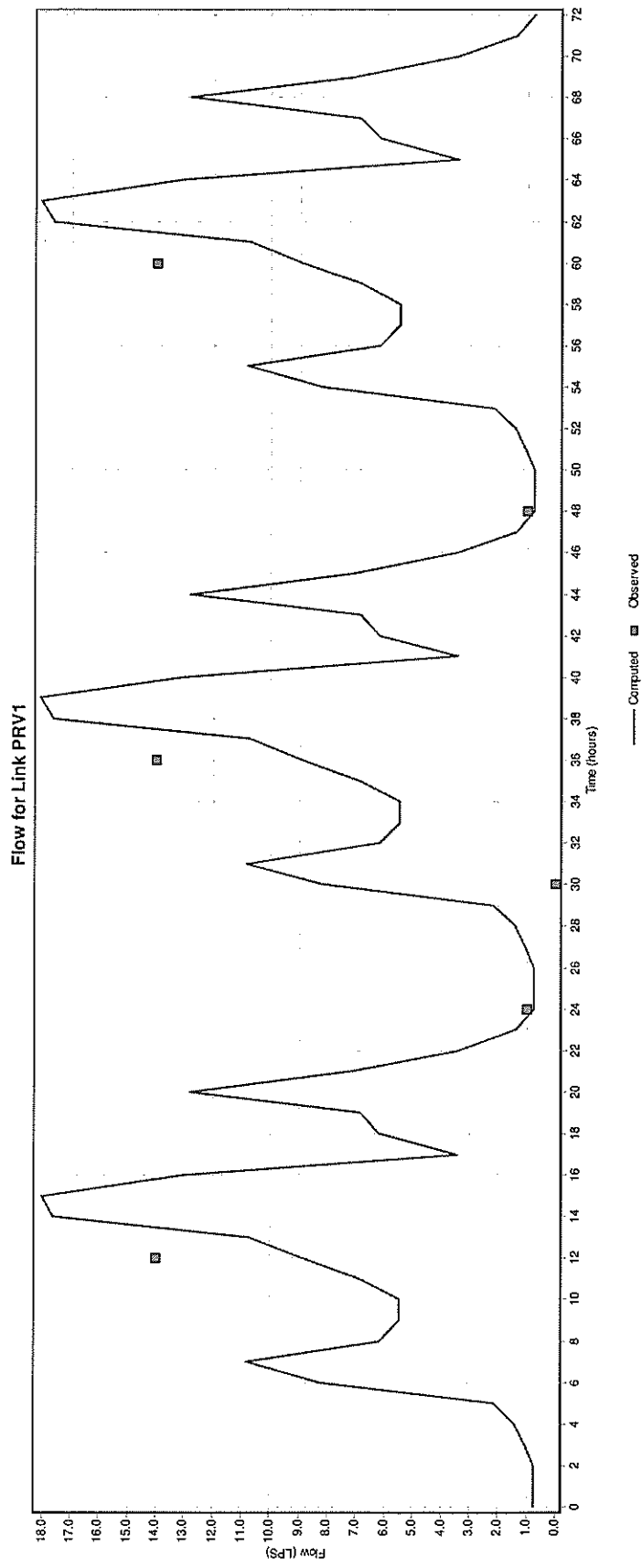
# Prikaz rezultata kalibracije tlaka u čvoru PC1066



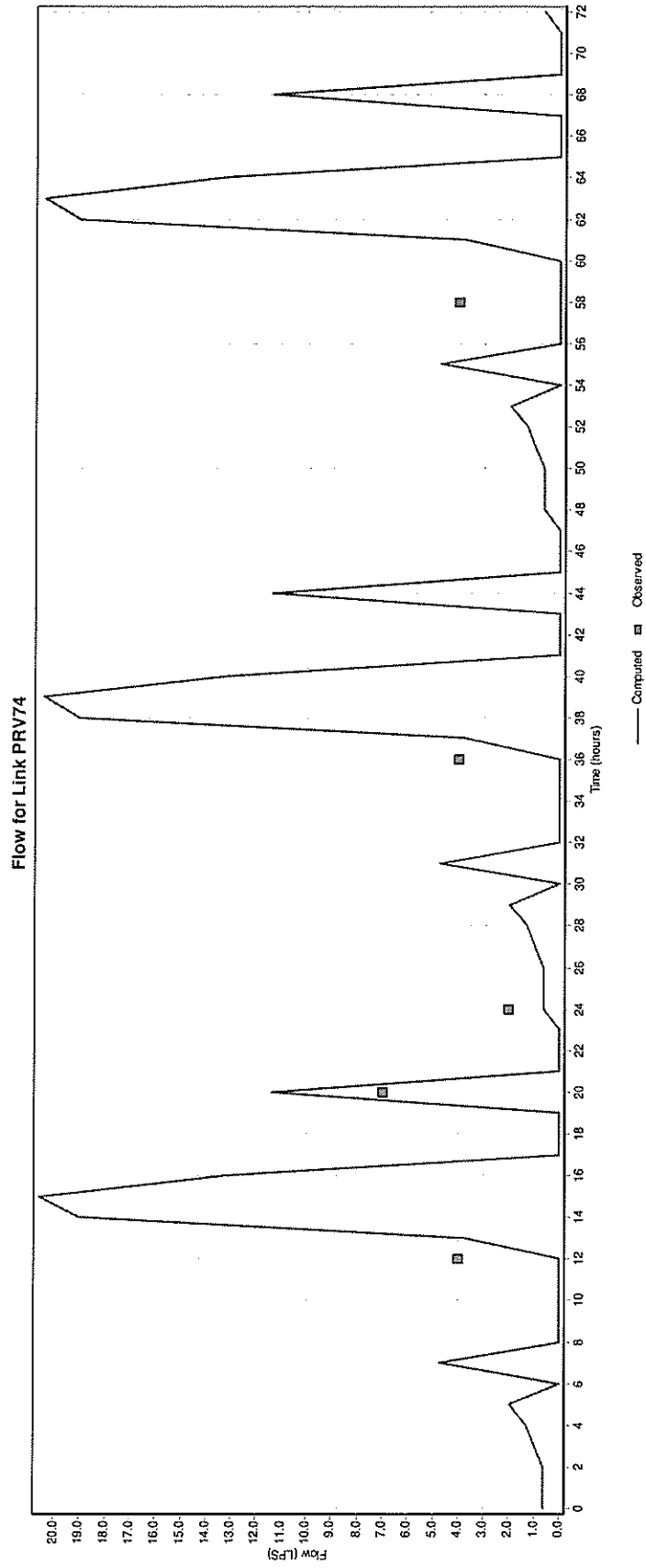
# Prikaz rezultata kalibracije tlaka u čvoru PC136B



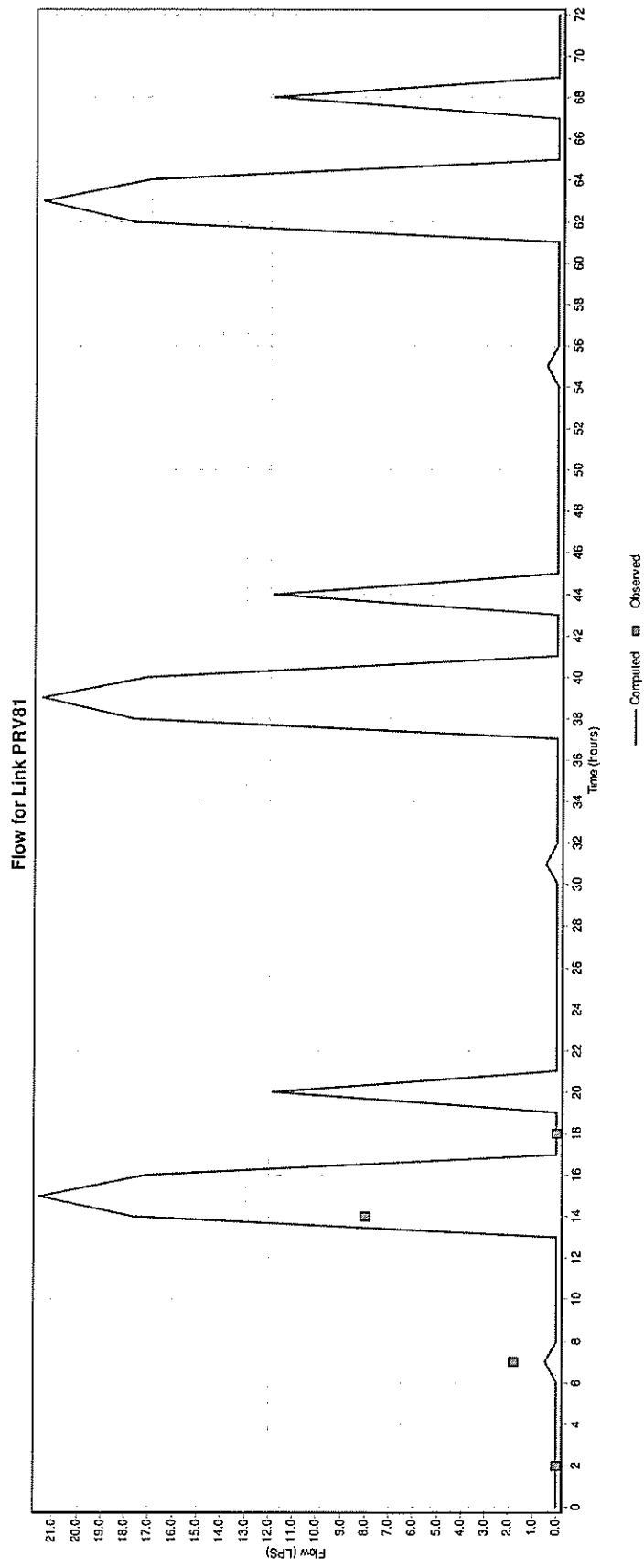
# Prikaz rezultata kalibracije proticaja: PRV1



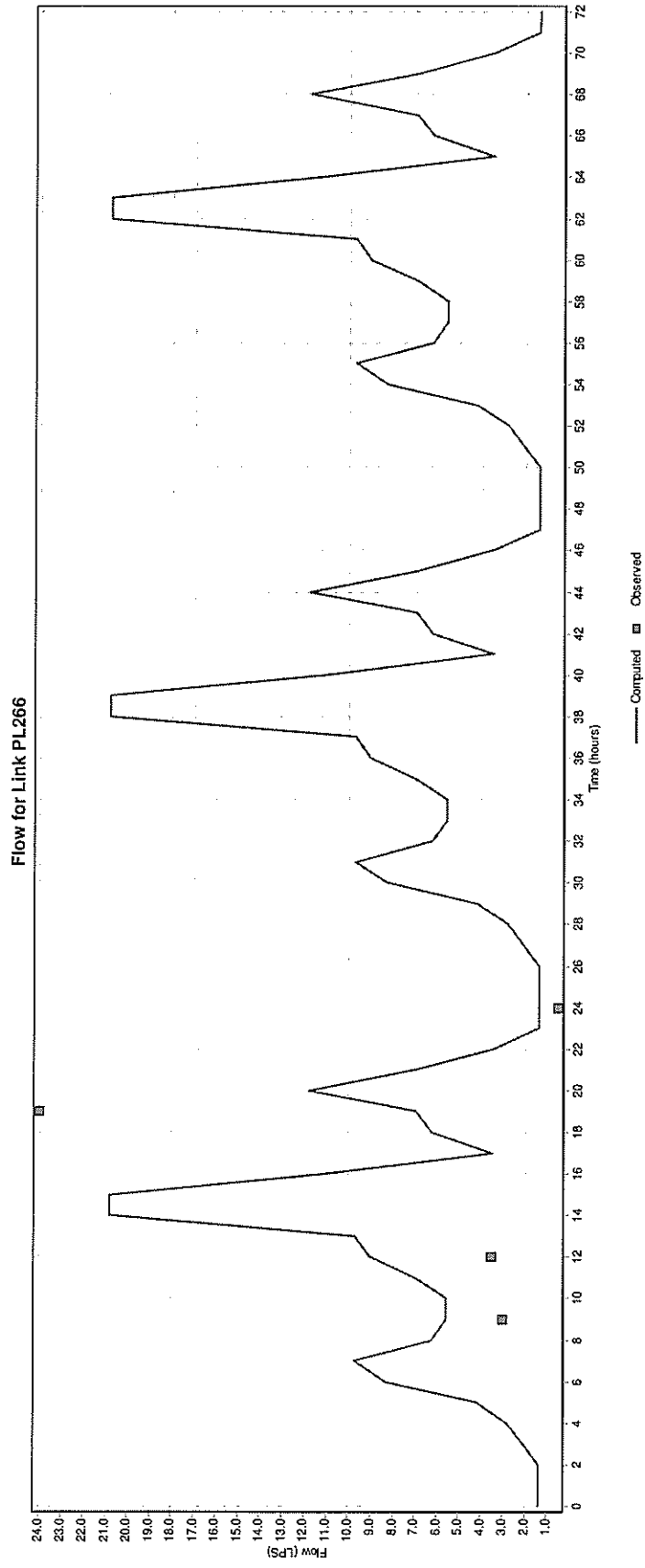
# Prikaz rezultata kalibracije proticaja: PRV74



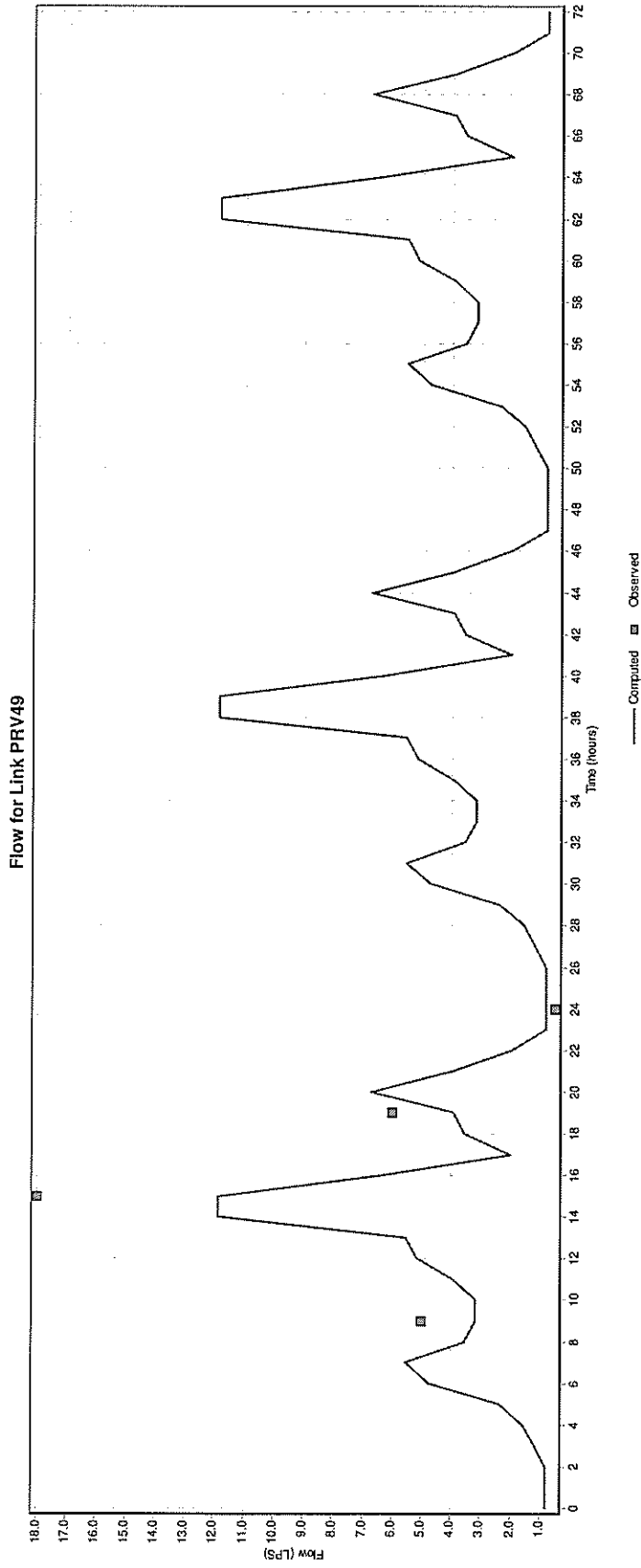
# Prikaz rezultata kalibracije proticaja: PRV81



# Prikaz rezultata kalibracije proticaja: PL266



# Prikaz rezultata kalibracije proticajja: PRV49





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|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

Analizom rezultata hidrauličkog matematičkog modela postojećeg stanja utvrđeno je kako slijedi:

- rezultati u pogledu pogonskih parametara odgovaraju stvarnom stanju na terenu, a što je vidljivo iz rezultata kalibracija,
- pri analizi tlakova uočene su velike oscilacije istih, a što posebno dolazi do izražaja pri simulacijama požarne potrošnje, koju veliki dio sustava ne podnosi (ovo se uglavnom odnosi na dijelove sustava koji su pod utjecajem kota potencijala vodospremnika i precrpnice Mohokos, te precrpnica Robadje, Banfje i Selnišćak),
- na nekim dijelovima sustava se u satima maksimalne potrošnje pojavljuju nedostatni tlakovi. Ovo se prvenstveno odnosi na područja Sveti Urban i Grkavešćak,
- u satima maksimalne potrošnje i istovremene požarne potrošnje tlakovi mjestimično padaju ispod 2,5 bara na slijedećim područjima: Mačkovec, Krištanovec, Vratišinec, potez Peklenica – Mursko Središće (dio), Podturen,
- u satima male potrošnje (noćna potrošnja) previsoki tlakovi se javljaju na slijedećim područjima: Sveta Marija, D.Vidovec, D.Dubrava, Kotoriba, M.Štefanec, V.Štefanec, Ivanovec, Šenkovec, Mihovljan, Pribislavec, Belica, Gardinovec, G.Kraljevec, Vratišinec. Na širem području sustava omeđenom linijom područja Robadje – Preseka – Slakovec – Brezje – Knezovec – Štrukovec – Vrbovljan – Čestijanec – Banfje – Štrigova – Robadje, na dosta lokacija se javljaju previsoki tlakovi, obzirom da su isti samo djelomično regulirani. Na većem dijelu ovog područja promjeri cjevovoda su nedostatni, te nisu osigurani propisani požarni parametri,
- tlakovi u vodoopskrbnoj mreži urbanog područja grada Čakovca se kreću od 4,5 do 5,5 bara,
- tlakovi u vodoopskrbnoj mreži Murskog Središća se kreću u rasponu od 2,5 do 5,5 bara. Oko 90% Murskog Središća se opskrbljuje iz smijera Peklenice, a samo krajnji zapadni i sjeverozapadni dijelovi su pod utjecajem kote potencijala vodospremnika Zebanec,
- tlakovi u Prelogu se kreću od 4 do 5 bara, a samo u satima maksimalne potrošnje u zapadni dio Preloga dolazi manja količina vode iz smijera Podbresta,
- dijagrami punjenja i pražnjenja vodotornja Čakovec i vodotornja Prelog su zadovoljavajući, a najniže razine se pojavljuju u špicama, kada nivoi padnu na 1 m,
- dijagrami punjenja i pražnjenja vodospremnika Lopatinec i Mohokos su na granici prihvatljivog, a što se posebno odnosi na vodospremnik Mohokos, koji predstavlja dominantnu kotu potencijala za veliki dio sustava omeđen crtom Preseka – Dragoslavec – Knezovec – Žiškovec – Štrukovec – Mursko Središće (zapad) – Hlapičina – Vrbovljan – Čestijanec – Banfje – Štrigova – Robadje – Preseka,
- dijagram punjenja i pražnjenja vodospremnika Zebanec je zadovoljavajući, a optimalna razina pripunjavanja je maksimalno 19 l/s,

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|  |   | Nadnevak:<br>17.11. 2009. |
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- može se konstatirati da je na neki način najopterećeniji cjevovod sustava tlačni cjevovod Lopatinec – Mohokos, a koji je od presudne važnosti za vodoopskrbu naprijed navedenog područja Preseka – Dragoslavec – Knezovec – Žiškovec – Štrukovec – Mursko Središće (zapad) – Hlapičina – Vrbovljan – Čestijanec – Banfje – Štrigova – Robadje – Preseka, te područja Brezje – Šenkovec – Mačkovec – Mihovljan – Krištanovec – Vratišinec – Brodec – Peklenica – G.Kraljevec – Sivica – Ferketinec – Miklavec – Križovec – Brezje – Mursko Središće,
- analiza brzina u glavnim cjevovodima ukazuje na činjenicu da su neki cjevovodi predimenzionirani (npr. cjevovod vodospremnik Zebanec – Mursko Središće ductil DN 300 mm), a što ima za posljedicu male brzine i povećanu opasnost od naknadne kontaminacije vode, posebno u ljetnom periodu, a što se pojavljuje na svim dijelovima sustava sa niskom razinom potrošnje,
- na osnovu analiza provedenih simulacija zaključuje se da predmetni vodoopskrbni sustav nije cjelovito hidraulički izbalansiran. Iako je regulatorima tlaka koji su ugrađeni na pojedinim mikrolokacijama ostvaren utjecaj na pripadajuća područja, sustav nije cjelovito izbalansiran, obzirom na činjenicu da isti do sada iz razloga nepostojanja hidrauličkog matematičkog modela nije niti bilo moguće cjelovito sagledati,
- kako rezultati simulacija vrlo dobro korespondiraju sa rezultatima izvršenih mjerenja, očigledno je da stručni kadar korisnika eksploatira sustav na maksimalno mogući optimalan način, ali su ove aktivnosti limitirane zbog nemogućnosti cjelovitog sagledavanja pogonskih parametara sustava,
- obzirom da je predmetni vodoopskrbni sustav do sada razvijan parcijalno, a da nije tehnički sagledan kao jedinstvena funkcionalna cjelina, došlo je do toga da je stanoviti broj cjevovoda poddimenzioniran, te da su neki cjevovodi predimenzionirani, što potvrđuju rezultati analize brzina u sklopu hidrauličkog matematičkog modela,
- razvoj sustava nije pratila adekvatna izgradnja rezervoarskog prostora, pa je samo 14% dnevne potrebe u vodi pokriveno zapreminom postojećih rezervoara, te se može zaključiti da je stupanj pouzdanosti vodoopskrbe u tom pogledu nedostatan.

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>251/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

**NARUČITELJ:** Hrvatske vode, Zagreb  
 Ulica grada Vukovara 220  
 10000 Z a g r e b

Redni broj:

## 5. BUDUĆE STANJE

- 5.1. Opis koncepcije budućeg stanja
- 5.2. Buduća potreba u vodi
- 5.3. Baza ulaznih podataka za hidraulički matematički model budućeg stanja
- 5.4. Rezultati simulacija – listinzi
- 5.5. Analiza rezultata simulacija budućeg stanja

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 Ovlašteni inženjer građevinarstva  
 VODOPROJEKT d.o.o.  
 Sisak



G 758

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## 5.1. Opis koncepcije budućeg stanja

Koncepcija budućeg stanja definirana je na osnovu rezultata izračuna vodne bilance, te realnih potreba optimalizacije i daljnjeg razvoja predmetnog vodoopskrbnog sustava, uvažavajući pri tome osnovne elemente prostornih planova i postojeće razvojne dokumentacije. Pri tome je za referentnu godinu određena 2030. godina, te je pretpostavljeno da će sustav u toj godini biti cjelovito izgrađen i maksimalno opterećen.

U pogledu gabarita, može se konstatirati da se granice istog u razdoblju do 2030. godine neće bitno mijenjati, obzirom da je u sklopu postojećeg stanja pripadajuće tehnološko područje gotovo u cijelosti pokriveno.

Postojeća dispozicija cjevovoda i objekata ujedno predstavlja i osnovu koncepcije budućeg stanja, koje bi trebalo biti ostvareno rekonstrukcijom i dogradnjom današnjeg sustava.

U sklopu formiranja budućeg stanja, a u odnosu na postojeće stanje, biti će potrebno izvršiti stanovite koncepcijske modifikacije, i to kako slijedi:

- ukupna zapremina vodospremnika i vodotornjeva bi sa sadašnjih 14% trebala biti povećana na 37% srednje dnevne potrošnje, čime se ostvaruje značajno povećanje stupnja pouzdanosti vodoopskrbe,
- utjecaj kote potencijala vodotornja Prelog u smjeru sjever u budućnosti treba ograničiti do naselja Domašinec (danas taj utjecaj dopire do naselja Matekovec),
- na magistralnom cjevovodu južno od naselja Draškovec postavlja se regulator tlaka PRV9\_rekonstrukc\_Vodoprojekt, te se na taj način vrši optimalizacija tlakova područja Čukovec, D.Mihaljevec, Sveta Marija, D.Vidovec, D.Dubrava i Kotoriba,
- na magistralnom cjevovodu u smjeru Goričana postavlja se regulator tlaka (PRVb\_rekonstrukc\_Vodoprojekt) sa ciljem optimalizacije tlakova područja Goričan,
- ostvaruje se kontrolirani tranzit (putem regulatora tlaka PRVa\_rekonstrukc\_Vodoprojekt) cjevovodom Pribislavec – Belica – Gardinovec – Dekanovec, a za potrebe pripunjavanja budućeg vodotornja Dekanovec, te vodoopskrbe područja Dekanovec – Novakovec – Podturen – Matekovec, uključivo sjeverni dio naselja Domašinec u satima maksimalne potrošnje,
- neposredno prije naselja Novo Selo, na magistralnome cjevovodu treba postaviti regulator tlaka (PRV8\_rekonstrukc\_Vodoprojekt) sa funkcijom optimalizacije tlakova područja Novo Selo, Krištanovec, G.Kraljevec, Sivica, Ferketinec, Matekovec, Miklavec, Križovec, Peklenica, Vratišinec, Brodec, Brezje, Mursko Središće, Vrhovljan, Martin,
- ostvarenjem međusobnog utjecaja linija energije iz smijera regulatora tlaka na lokaciji neposredno prije naselja Novo Selo, te iz smijera vodospremnika

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| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

Zebanec i budućeg vodospremnika Železna Gora, značajno se podiže stupanj pouzdanosti i unapređuje vodoopskrba velikog dijela sustava: potezi Novo Selo – Peklenica, G.Kraljevec – Sivica – Ferketinec, te Ferketinec – Peklenica – Mursko Središće – Čestijanec. U slučaju havarije cjevovoda bilo kojega od ova tri smijera (ili zatvaranja dovoda vode iz vodospremnika Zebanec ili Železna Gora), vodoopskrba cijelog ovog područja će se moći održati,

- vodoopskrba naselja Hlapičina vrši se iz smijera Mursko Središće, a u slučaju zastoja, ista se vrši iz smijera Vrhovljan (ishodišna točka vodospremnik Železna Gora),
- obzirom na činjenicu da vodospremnik Lopatinec, osim što opskrbljuje precrpnicu Lopatinec putem koje se pripunjava vodospremnik Mohokos, povremeno funkcionira i kao kontrarezervoar u funkciji vodoopskrbe svih dijelova sustava koji imaju spoj sa tlačno-gravitacijskim cjevovodom vodocrpilište Nedelišće – vodospremnik Lopatinec, predlaže se dogradnja ovog vodospremnika za novih 750 m<sup>3</sup> zapreminskog prostora,
- izgradnjom vodospremnika Dragoslavec i Železna Gora, te vodotornjeva Frkanovec, Bukovec i Sveti Urban (uključivo precrpnicu Železna Gora), kao i sustava magistralnih cjevovoda predmetnog područja, uspostavlja se kvalitetna i pouzdana vodoopskrba svih dijelova sustava čija je ishodišna točka vodoopskrbe vodospremnik Mohokos, te se na taj način stvaraju uvjeti stavljanja izvan pogona postojećih precrpnica Robadje, Banfje i Selnišćak, koje više neće biti potrebne za funkcioniranje sustava (iste eventualno mogu biti upotrijebljene za podizanje tlaka na mikrolokacijama gdje bi se ukazala takva potreba),
- kao primjer načina optimalizacija pogonskih uvjeta mikrolokacija, izvršena je optimalizacija za područje Šenkovec, Mihovljan i Mačkovec, a na način kako slijedi: postavljanje regulatora tlaka PRV2\_rekonstrukc\_Vodoprojekt, PRV3\_rekonstrukc\_Vodoprojekt, PRV\_optim1\_rekons\_Vodoprojekt, PRV6\_rekonstrukc\_Vodoprojekt; izgradnja precrpnice sa opskrbnom crpkom MackovecP1\_izgr\_Vodoprojekt i požarnom crpkom MackovecP2\_izgr\_Vodoprojekt (opskrbna crpka se uključuje po potrebi – prema uvjetu zadanog tlaka), zatvara se cijev PL1260, odvaja se od magistralnog cjevovoda istočni spoj cjevovoda PL1268A. Na sličan način korisnik će korištenjem ovog hidrauličkog matematičkog modela moći izvršiti optimalizacije na svim mikrolokacijama sustava gdje se javljaju previsoki ili preniski tlakovi,
- koncepcija budućeg stanja je među ostalim izvršena i na način da su novoplanirani magistralni cjevovodi (rekonstrukcija postojećih i izgradnja novih) i objekti (vodospremnici, vodotornjevi i precrpnice) konfigurirani na optimalan način u pogledu stvaranja preduvjeta kvalitetne i pouzdane vodoopskrbe potrošača, te osiguranja požarne potrošnje na svim dijelovima sustava,

Kako je to već naprijed navedeno, buduće stanje će biti ostvareno rekonstrukcijom i dogradnjom postojećeg stanja.

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|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

U tablici u nastavku prezentirani su magistralni cjevovodi i objekti koje je potrebno izgraditi ili rekonstruirati:

| redni broj | objekt/<br>cjevovod   | oznaka          | izgradnja/<br>rekonstrukcija | zapremina<br>(m <sup>3</sup> ) |                                       | investicijska vrijednost<br>(kn) | faza<br>izgradnje (rekonst.) | napomena  |
|------------|---|-----------------|------------------------------|--------------------------------|---------------------------------------|----------------------------------|------------------------------|---|
|            |   |                 |                              | duljina<br>(m)                 | kota dna<br>(m.n.m)<br>DN<br>(mm)     |                                  |                              |   |
| 1.         | Lokacije centara i podcentara nadzorno-upravljačkog sustava | C,Pn, Pnm, Pnmu | izg.                         | -                              | -                                     | 9.080.000,00                     | I,II,III,IV                  |   |
| 2.         | Precrpnja stanica «Mačkovec»                                | 2               | izg.                         | -                              | 189,70                                | 300.000,00                       | I                            | Q <sub>1</sub> =15 l/s, h <sub>1</sub> =25 m;<br>Q <sub>2</sub> =25 l/s, h <sub>2</sub> =38 m |
| 3.         | Precrpnja stanica «Železna Gora»                            | 3               | izg.                         | -                              | 303,70                                | 250.000,00                       | I                            | Q=15 l/s, h=25 m  |
| 4.         | Vodospremnik «Železna Gora»                                 | 4               | izg.                         | 500                            | 260,60                                | 2.500.000,00                     | I                            |   |
| 5.         | Vodospremnik «Dragoslavec»                                  | 5               | izg.                         | 200                            | 272,00                                | 1.500.000,00                     | III                          |   |
| 6.         | Vodospremnik «Frkanovec»                                    | 6               | izg.                         | 250                            | 310,00                                | 1.800.000,00                     | III                          |   |
| 7.         | Vodotoranj «Sveti Urban»                                    | 7               | izg.                         | 300                            | 348,00                                | 1.800.000,00                     | III                          |   |
| 8.         | Vodotoranj «Dekanovec»                                      | 8               | izg.                         | 350                            | 192,00                                | 2.000.000,00                     | IV                           |   |
| 9.         | Vodotoranj «Kotoriba»                                       | 9               | izg.                         | 350                            | 165,00                                | 2.000.000,00                     | IV                           |   |
| 10.        | Vodotoranj «Bukovec»  | 10              | izg.                         | 300                            | 325,00                                | 1.800.000,00                     | III                          |   |
| 11.        | Vodospremnik «Čakovec II»                                   | 11              | izg.                         | 5000                           | 210,00                                | 20.000.000,00                    | II                           |   |
| 12.        | Hidrostanica «Mohokos»                                      | 12              | rek.                         | -                              | 331,60                                | 100.000,00                       | I                            | Q <sub>1-6</sub> =15 l/s, h <sub>1-6</sub> =25 m  |
| 13.        | Magistralni vodovod uz Dravu – II faza                      | 13              | rek.                         | 11.150,00                      | (PEHD)<br>160-225                     | 5.350.000,00                     | II                           |   |
| 14.        | Magistralni vodovod Čakovec-Pribislavec                     | 14              | rek.,izg.                    | 4.211,00                       | (PEHD)<br>110-225,<br>(DUCTIL)<br>300 | 2.500.000,00                     | II                           |   |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  |  | Stranica:<br>255/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |  | Nadnevak:<br>17.11. 2009. |

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|-----|---|----|------|----------|--------------------------|--------------|-----|--|
| 15. | Magistralni cjevovod Brezje-Mali Mihaljevec   | 15 | izg. | 1.040,00 | (PEHD) 160               | 416.000,00   | IV  |  |
| 16. | Magistralni cjevovod u ul. J.Slogara u Čakovcu  | 16 | rek. | 320,00   | (PEHD) 160               | 150.000,00   | II  |  |
| 17. | Magistralni cjevovod u ul. M. Tita u Nedelišću  | 17 | rek. | 747,00   | (PEHD) 160               | 350.000,00   | II  |  |
| 18. | Istočni magistralni cjevovod Čakovec  | 18 | izg. | 4.427,00 | (DUCTIL) 300             | 3.800.000,00 | III |  |
| 19. | Sjeverni magistralni cjevovod Čakovec   | 19 | izg. | 1.800,00 | (DUCTIL) 300             | 1.530.000,00 | III |  |
| 20. | Magistralni cjevovod Nedelišće-Savska Ves   | 20 | rek. | 1.800,00 | (DUCTIL) 500             | 3.050.000,00 | II  |  |
| 21. | Vodospremnik «Lopatinec» - dogradnja  | 21 | izg. | 750,00   | 230,00                   | 4.000.000,00 | III |  |
| 22. | Spojni cjevovodi na vodocrpilištu Nedelišće   | 22 | rek. | 800,00   | (DUCTIL) 300,400         | 855.000,00   | II  |  |
| 23. | Magistralni cjevovod Mala Subotica-Orehovica  | 23 | izg. | 4.750,00 | (PEHD) 225               | 2.375.000,00 | III |  |
| 24. | Magistralni cjevovod Donji Kraljevec-Goričan  | 24 | rek. | 4.000,00 | (PEHD) 225               | 2.000.000,00 | III |  |
| 25. | Magistralni cjevovod Hodošan-Turčišće   | 25 | rek. | 6.750,00 | (PEHD) 160               | 2.700.000,00 | III |  |
| 26. | Magistralni cjevovod Mala Subotica-Turčišće   | 26 | rek. | 6.350,00 | (PEHD) 160               | 2.550.000,00 | II  |  |
| 27. | Magistralni cjevovod Pribislavec-Belica   | 27 | rek. | 3.200,00 | (PEHD) 225, (DUCTIL) 300 | 1.800.000,00 | II  |  |
| 28. | Magistralni cjevovod za industrijsku zonu Istok-Čakovec                                       | 28 | izg. | 932,00   | (PEHD) 225               | 450.000,00   | II  |  |
| 29. | Južni magistralni cjevovod  | 29 | rek. | 1.652,00 | (PEHD) 225               | 660.000,00   | II  |  |
| 30. | Magistralni cjevovod Krištanovec-Peklenica  | 30 | rek. | 5.935,00 | (PEHD) 225               | 2.900.000,00 | II  |  |
| 31. | Magistralni cjevovod Krištanovec-Peklenica  | 31 | rek. | 2.420,00 | (DUCTIL) 250             | 1.800.000,00 | II  |  |
| 32. | Magistralni cjevovodi Gornjeg Međimurja (potez vodospremnik «Frkanovec»-vodotoranj «Zebanec») | 32 | rek. | 2.727,00 | (PEHD) 225               | 1.300.000,00 | III |  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>256/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|     |   |    |      |          |                          |              |      |
|-----|---|----|------|----------|--------------------------|--------------|------|
| 33. | Cjevovodi na potezu vodospremnik «Železna Gora-Herjakovčina i vodospremnik «Železna Gora»-Toplice Sv.Martin | 33 | izg. | 3.717,00 | (PEHD) 225, (DUCTIL) 250 | 2.250.000,00 | I,II |
| 34. | Cjevovod Železna Gora-Štrigova  | 34 | rek. | 1.900,00 | (PEHD) 225               | 910.000,00   | II   |
| 35. | Magistralni cjevovod Turčišće-Domašinec   | 35 | rek. | 3.000,00 | (PEHD) 225               | 1.440.000,00 | II   |
| 36. | Magistralni cjevovod Donji Kraljevec-Draškovec  | 36 | rek. | 1.615,00 | (PEHD) 160               | 650.000,00   | II   |
| 37. | Magistralni cjevovod Prelog-Turčišće  | 37 | rek. | 7.500,00 | (PEHD) 225               | 3.600.000,00 | II   |
| 38. | Cjevovod Sivica-Dubrava   | 38 | rek. | 1.107,00 | (PEHD) 110               | 340.000,00   | I    |
| 39. | Vodoopskrbna mreža naselja Hlapčina   | 39 | izg. | 2.715,00 | (PEHD) 160               | 1.100.000,00 | I    |
| 40. | Magistralni cjevovod Prelog-Hodošan   | 40 | rek. | 2.560,00 | (DUCTIL) 350,500         | 3.100.000,00 | II   |
| 41. | Južni magistralni cjevovod  | 41 | rek. | 1.022,00 | (PEHD) 225               | 500.000,00   | II   |
| 42. | Magistralni cjevovod Nedelišće-Savska Ves   | 42 | rek. | 609,00   | (DUCTIL) 500             | 1.050.000,00 | II   |
| 43. | Magistralni cjevovodi Gornjeg Međimurja (potez Preseka-Gornja Dubrava)                                      | 43 | rek. | 1.477,00 | (PEHD) 160               | 590.000,00   | III  |
| 44. | Tlačno-gravitacijski cjevovod precrpnica Lopatinec-vodospremnik Mohokos                                     | 44 | rek. | 3.286,00 | (PEHD) 160, (DUCTIL) 350 | 3.200.000,00 | I    |
| 45. | Magistralni cjevovodi Gornjeg Međimurja (Dragoslavec)   | 45 | rek. | 931,00   | (PEHD) 160               | 375.000,00   | III  |
| 46. | Magistralni cjevovodi Gornjeg Međimurja (Vukanovec)   | 46 | rek. | 2.050,00 | (PEHD) 160               | 820.000,00   | III  |
| 47. | Magistralni cjevovodi Gornjeg Međimurja (potez Urban-Goričica)  | 47 | rek. | 1.515,00 | (PEHD) 160               | 610.000,00   | III  |
| 48. | Magistralni cjevovodi Gornjeg Međimurja (potez vodotoranj «Sv. Urban»-Globoka)                              | 48 | rek. | 4.111,00 | (PEHD) 160, (PEHD) 110   | 1.615.000,00 | III  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:<br><br><b>STUDIJA RAZVITKA<br/>         VODOOPSKRBNOG SUSTAVA<br/>         MEĐIMURSKE ŽUPANIJE</b> | Stranica:<br>257/512      |
|  |  | Nadnevak:<br>17.11. 2009. |

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| 49. | Magistralni cjevovodi Gornjeg Međimurja (potez Robadje-Štrigova)                       | 49 | rek. | 6.712,00  | (PEHD)<br>160                   | 2.600.000,00 | III |  |
| 50. | Magistralni cjevovodi Gornjeg Međimurja (Želzna Gora-Grabrovník)                       | 50 | rek. | 3.475,00  | (PEHD)<br>160,<br>(PEHD)<br>110 | 1.300.000,00 | II  |  |
| 51. | Magistralni cjevovodi Gornjeg Međimurja (Jurovčák)                                     | 51 | rek. | 1.824,00  | (PEHD)<br>160                   | 730.000,00   | III |  |
| 52. | Magistralni cjevovodi Gornjeg Međimurja (potez Prekopa-Grkavešćák-Gradišćák)           | 52 | rek. | 7.490,00  | (PEHD)<br>225,<br>(PEHD)<br>160 | 5.450.000,00 | I   |  |
| 53. | Magistralni cjevovodi Gornjeg Međimurja (Prekopa-Praporčan)                            | 53 | rek. | 3.522,00  | (PEHD)<br>160                   | 1.400.000,00 | III |  |
| 54. | Magistralni cjevovodi Gornjeg Međimurja (potez Grkavešćák-Selnica-Frkanovec-Zasadbreg) | 54 | rek. | 11.335,00 | (PEHD)<br>225,<br>(PEHD)<br>160 | 4.800.000,00 | III |  |
| 55. | Vodoopskrbna mreža naselja Hlapčina  | 55 | izg. | 3.036,00  | (PEHD)<br>160                   | 1.215.000,00 | I   |  |
| 56. | Rekonstrukcija magistralnog cjevovod (Strahoninec)                                     | 56 | rek. | 196,00    | (DUCTIL)<br>400                 | 235.000,00   | I   |  |
| 57. | Spojní cjevovod (Šenkovec)   | 57 | izg. | 50,00     | (PEHD)<br>225                   | 24.000,00    | I   |  |

| Korespondirajuća tablica cjevovoda i objekata sa oznakama u hidrauličkom modelu |   |        |  |
|---|---|--------|--|
| redni broj  | objekt/<br>cjevovod   | oznaka | oznaka u hidrauličkom modelu (EPANET)                    |
| 1.  | Lokacije centara i podcentara nadzorno-upravljačkog sustava | 1      | -  |
| 2.  | Precrpna stanica «Mačkovec»                                 | 2      | MackovecP1_izgr_Vodoprojekt, MackovecP2_izgr_Vodoprojekt |
| 3.  | Precrpna stanica «Želzna Gora»                              | 3      | P1-Zel_Gora  |
| 4.  | Vodospremník «Želzna Gora»                                  | 4      | VS-Zelzna_Gora   |
| 5.  | Vodospremník «Dragoslavec»                                  | 5      | VS-Dragoslavec   |
| 6.  | Vodospremník «Frkanovec»                                    | 6      | VT-Frkanovec   |
| 7.  | Vodotoranj «Sveti Urban»                                    | 7      | VT-Sveti_Urban   |
| 8.  | Vodotoranj «Dekanovec»                                      | 8      | VT-Dekanovec   |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               |  | Elaborat:   | Stranica:<br>258/512      |  |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |  |

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| 9.  | Vodotoranj «Kotoriba»                          | 9  | VT-Kotoriba  |
| 10. | Vodotoranj «Bukovec»                           | 10 | VT-Bukovec   |
| 11. | Vodospremnik «Čakovec II»                      | 11 | VT-Čakovec2  |
| 12. | Hidrostanica «Mohokos»                         | 12 | VS-MOHOKOS   |
| 13. | Magistralni vodovod uz Dravu – II faza         | 13 | PL1900_rekonstrukcija, PL1903_rekonstrukcija, PL1907_rekonstrukcija, PL1908_rekonstrukcija, PL1910_rekonstrukcija, PL1912_rekonstrukcija, PL1914a_rekonstrukcija, PL1893_rekonstrukcija, PL3125_rekonstrukcija, PL3110_rekonstrukcija1, PL3110_rekonstrukcija2, PL3109_rekonstrukcija, PL3105_rekonstrukcija, PL3101_rekonstrukcija, PL3065_rekonstrukcija, PL3064_rekonstrukcija, PL3062_rekonstrukcija, PL3060_rekonstrukcija, PL3058_rekonstrukcija, BL19_izgradnja, PL3094_rekonstrukcija, PL3095_rekonstrukcija, PL3096_rekonstrukcija, PL3097_rekonstrukcija, PL3085_rekonstrukcija, PL3083_rekonstrukcija, PL3082_rekonstrukcija, PL3080_rekonstrukcija, PL3058_rekonstrukcija, PL3055_rekonstrukcija, PL3130_rekonstrukcija, PL3134_rekonstrukcija, PL3139_rekonstrukcija, PL3144_rekonstrukcija |
| 14. | Magistralni vodovod Čakovec-Pribislavec        | 14 | PL2785_rekonstrukcija, PL2780_rekonstrukcija, PL2776_rekonstrukcija, PL2751_rekonstrukcija, PL2748_rekonstrukcija, PL2743_rekonstrukcija, PL2726_rekonstrukcija, PL2722_rekonstrukcija, PL2716_rekonstrukcija, PL2719_rekonstrukcija, PL2701_rekonstrukcija, PL2702_rekonstrukcija, PL2703_rekonstrukcija, PL2704_rekonstrukcija, PL2705_rekonstrukcija, BL_32_izgradnja, PL2664_rekonstrukcija, PL2662_rekonstrukcija2, PL2662_rekonstrukcija1, PL2658_rekonstrukcija, PL2656_rekonstrukcija, BL20_izgradnja  |
| 15. | Magistralni cjevovod Brezje-Mali Mihaljevec    | 15 | O282   |
| 16. | Magistralni cjevovod u ul. J.Slogara u Čakovcu | 16 | PL2054_rekonstrukcija, PL2060_rekonstrukcija   |
| 17. | Magistralni cjevovod u ul. M. Tita u Nedelišću | 17 | PL1610_rekonstrukcija, PL1609_rekonstrukcija, PL1605_rekonstrukcija, PL1603_rekonstrukcija, PL1599_rekonstrukcija, PL1666_rekonstrukcija, PL1664_rekonstrukcija, PL1663A, PL1661_rekonstrukcija, PL1660_rekonstrukcija, PL1658_rekonstrukcija  |
| 18. | Istočni magistralni cjevovod Čakovec           | 18 | BL275_izgradnja  |
| 19. | Sjeverni magistralni cjevovod Čakovec          | 19 | BL315_izgradnja, BL2_izgradnja   |
| 20. | Magistralni cjevovod Nedelišće-Savska Ves      | 20 | PL1728_rekonstrukcija, PL1640_rekonstrukcija, PL1617_rekonstrukcija  |
| 21. | Vodospremnik «Lopatinec» - dogradnja           | 21 | VS-LOPATINEC   |
| 22. | Spojni cjevovodi na vodocpilištu Nedelišće     | 22 | PL1623A_rekonstrukcija, PL1626_rekonstrukcija, PL1628_rekonstrukcija, PL1629_rekonstrukcija, PL1630A_rekonstrukcija, PL1634A_rekonstrukcija  |
| 23. | Magistralni cjevovod Mala Subotica-Orehovica   | 23 | BL22a_izgradnja, BL22b_izgradnja   |
| 24. | Magistralni cjevovod Donji Kraljevec-Goričan   | 24 | PL4108_rekonstrukcija, PL4107_rekonstrukcija, PL4106_rekonstrukcija, PL4103_rekonstrukcija, PL4104_rekonstrukcija, PL4048_rekonstrukcija, PL4095_rekonstrukcija, PL4094B_rekonstrukcija, PL4084_rekonstrukcija, PL4082_rekonstrukcija, PL4079_rekonstrukcija, PL4077_rekonstrukcija, PL4061_rekonstrukcija, PL4063_rekonstrukcija, PL4064_rekonstrukcija, PL4065_rekonstrukcija, PL4066_rekonstrukcija   |
| 25. | Magistralni cjevovod Hodošan- Turčišće         | 25 | PL3491A_rekonstrukcija, PL3491_rekonstrukcija, PL3499_rekonstrukcija, PL3497_rekonstrukcija, PL3500_rekonstrukcija, PL3505_rekonstrukcija, PL3506_rekonstrukcija, PL3512_rekonstrukcija, PL3513_rekonstrukcija, PL3517_rekonstrukcija, PL3518_rekonstrukcija, PL3519A_rekonstrukcija, PL3534_rekonstrukcija, PL3560_rekonstrukcija, PL3565_rekonstrukcija, PL3566_rekonstrukcija, PL3569_rekonstrukcija  |
| 26. | Magistralni cjevovod Mala Subotica-Turčišće    | 26 | PL2955_rekonstrukcija, PL2956_rekonstrukcija, PL2972_rekonstrukcija, PL2986_rekonstrukcija, PL2985_rekonstrukcija, PL2984_rekonstrukcija, PL2983_rekonstrukcija, PL2987_rekonstrukcija, PL3325_rekonstrukcija, PL3326_rekonstrukcija   |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:   | Stranica:<br>259/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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| 27. | Magistralni cjevovod Pribislavec-Belica   | 27 | PL2832_rekonstrukcija, PL2819_rekonstrukcija, PL2821_rekonstrukcija, PL2825_rekonstrukcija, PL2801_rekonstrukcija, PL2800_rekonstrukcija, PL2794_rekonstrukcija, PL2793_rekonstrukcija, PL2787_rekonstrukcija  |
| 28. | Magistralni cjevovod za industrijsku zonu Istok-Čakovec   | 28 | BL316_izgradnja  |
| 29. | Južni magistralni cjevovod  | 29 | PL2240_rekonstrukcija, PL2335_rekonstrukcija, PL2337_rekonstrukcija, PL2339_rekonstrukcija   |
| 30. | Magistralni cjevovod Krištanovec-Peklenica  | 30 | PL1208_rekonstrukcija, PL1129_rekonstrukcija, PL1128_rekonstrukcija, PL1126_rekonstrukcija, PL1122_rekonstrukcija, PL1121_rekonstrukcija, PL1107_rekonstrukcija  |
| 31. | Magistralni cjevovod Krištanovec-Peklenica  | 31 | PL1069_rekonstrukcija, PL1068_rekonstrukcija, PL1066_rekonstrukcija  |
| 32. | Magistralni cjevovodi Gornjeg Međimurja (potez vodospremnik «Frkanovec»-vodotoranj «Zebanec»)               | 32 | PL761_rekonstrukcija   |
| 33. | Cjevovodi na potezu vodospremnik «Železna Gora-Herjakovčina i vodospremnik «Železna Gora»-Toplice Sv.Martin | 33 | BL1_izgradnja, BL9_izgradnja, BL2a_izgradnja, BL3_izgradnja, BL4_izgradnja, BL5, BL6_izgradnja, BL7_izgradnja  |
| 34. | Cjevovod Železna Gora-Štrigova  | 34 | 35_rekonstrukcija, BL1_rekonstrukcija  |
| 35. | Magistralni cjevovod Turčišće-Domašinec   | 35 | PL3328_rekonstrukcija, PL3330_rekonstrukcija, PL3333_rekonstrukcija, PL3338_rekonstrukcija, PL3340_rekonstrukcija, PL3342_rekonstrukcija, PL3347_rekonstrukcija, PL3348_rekonstrukcija, PL3350_rekonstrukcija, PL3351_rekonstrukcija, PL3352_rekonstrukcija, PL3354_rekonstrukcija, PL3355_rekonstrukcija, PL3355_rekonstrukcija, PL3357_rekonstrukcija, PL3359_rekonstrukcija |
| 36. | Magistralni cjevovod Donji Kraljevec-Draškovec  | 36 | PL3621_rekonstrukcija, PL3713_rekonstrukcija, PL3712_rekonstrukcija, PL3711_rekonstrukcija, PL3703_rekonstrukcija, PL3701_rekonstrukcija, PL3700_rekonstrukcija, PL3698_rekonstrukcija, PL3696_rekonstrukcija, PL3695_rekonstrukcija, PL3678_rekonstrukcija, PL3677_rekonstrukcija, PL3676_rekonstrukcija, PL3675_rekonstrukcija, PL3673_rekonstrukcija                        |
| 37. | Magistralni cjevovod Prelog-Turčišće  | 37 | PL3280_rekonstrukcija, PL3282_rekonstrukcija, PL3289_rekonstrukcija, PL3290_rekonstrukcija, PL3292_rekonstrukcija, PL3294_rekonstrukcija, PL3296_rekonstrukcija, PL3309_rekonstrukcija, PL3315_rekonstrukcija, PL3314_rekonstrukcija, PL3313_rekonstrukcija, PL3320_rekonstrukcija, PL3322_rekonstrukcija, PL3324_rekonstrukcija   |
| 38. | Cjevovod Sivica-Dubrava   | 38 | PL1159_rekonstrukc_Vodoprojekt   |
| 39. | Vodoopskrbna mreža naselja Hlapčina   | 39 | PL3624_rekonstrukcija, PL3624_rekonstrukcija, 26, 27, BL292_izgradnja, BL333_izgradnja, 29, BL289_izgradnja, BL334_izgradnja, BL285_izgradnja  |
| 40. | Magistralni cjevovod Prelog-Hodošan   | 40 | PL3631_rekonstrukcija, PL3630_rekonstrukcija, PL3628_rekonstrukcija, PL3624_rekonstrukcija   |
| 41. | Južni magistralni cjevovod  | 41 | PL2346_rekonstrukc_Vodoprojekt, PL2345_rekonstrukc_Vodoprojekt, PL2352_rekonstrukc_Vodoprojekt, PL2354_rekonstrukc_Vodoprojekt, PL2356_rekonstrukc_Vodoprojekt, PL2357_rekonstrukc_Vodoprojekt   |
| 42. | Magistralni cjevovod Nedelišće-Savska Ves   | 42 | PL1731_rekonstrukc_Vodoprojekt   |
| 43. | Magistralni cjevovodi Gornjeg Međimurja (potez Preseka-Gornja Dubrava)                                      | 43 | PL152_rekonstrukc_Vodoprojekt  |
| 44. | Tlačno-gravitacijski cjevovod precrpnica Lopatinec-vodospremnik Mohokos                                     | 44 | PL869_rekonstrukc_Vodoprojekt, PL864_rekonstrukc_Vodoprojekt, PL866_rekonstrukc_Vodoprojekt, PL987_rekonstrukc_Vodoprojekt, PL991_rekonstrukc_Vodoprojekt, PL1005_rekonstrukc_Vodoprojekt, PL1007_rekonstrukc_Vodoprojekt, PL1008A_rekonstrukc_Vodoprojekt   |
| 45. | Magistralni cjevovodi Gornjeg Međimurja (Dragoslavec)   | 45 | PL909_rekonstrukc_Vodoprojekt  |

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| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               |  | Elaborat:  | Stranica:<br>260/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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| 46. | Magistralni cjevovodi<br>Gornjeg Međimurja<br>(Vukanovec)  | 46 | PL888A_rekonstrukc_Vodoprojekt, PL891_rekonstrukc_Vodoprojekt,<br>PL892_rekonstrukc_Vodoprojekt, PL899_rekonstrukc_Vodoprojekt   |
| 47. | Magistralni cjevovodi<br>Gornjeg Međimurja (potez<br>Urban-Goričica)                             | 47 | PL64_rekonstrukc_Vodoprojekt, PL66_rekonstrukc_Vodoprojekt,<br>PL68_rekonstrukc_Vodoprojekt, PL73_rekonstrukc_Vodoprojekt,<br>PL81_rekonstrukc_Vodoprojekt   |
| 48. | Magistralni cjevovodi<br>Gornjeg Međimurja (potez<br>vodotoranj «Sv. Urban»-<br>Globoka)         | 48 | BL13_izgradnja, PL48_rekonstrukc_Vodoprojekt, PL46_rekonstrukc_Vodoprojekt,<br>PL44_rekonstrukc_Vodoprojekt, PL42_rekonstrukc_Vodoprojekt,<br>PL40_rekonstrukc_Vodoprojekt, PL38_rekonstrukc_Vodoprojekt,<br>36_rekonstrukc_Vodoprojekt, PL22_rekonstrukc_Vodoprojekt,<br>PL20_rekonstrukc_Vodoprojekt, PL18_rekonstrukc_Vodoprojekt,<br>PL17_rekonstrukc_Vodoprojekt, PL12_rekonstrukc_Vodoprojekt,<br>PL6_rekonstrukc_Vodoprojekt, PL3A_rekonstrukc_Vodoprojekt  |
| 49. | Magistralni cjevovodi<br>Gornjeg Međimurja (potez<br>Robadje-Štrigova)                           | 49 | 35_rekonstrukc_Vodoprojekt, PL23_rekonstrukc_Vodoprojekt,<br>PL25_rekonstrukc_Vodoprojekt, PL27_rekonstrukc_Vodoprojekt,<br>PL173A_rekonstrukc_Vodoprojekt, PL173_rekonstrukc_Vodoprojekt,<br>PL171_rekonstrukc_Vodoprojekt, PL191_rekonstrukc_Vodoprojekt,<br>PL194_rekonstrukc_Vodoprojekt, PL193_rekonstrukc_Vodoprojekt,<br>PL195_rekonstrukc_Vodoprojekt, PL202_rekonstrukc_Vodoprojekt, PL203,<br>PL218_rekonstrukc_Vodoprojekt, PL220_rekonstrukc_Vodoprojekt, PL222  |
| 50. | Magistralni cjevovodi<br>Gornjeg Međimurja<br>(Železna Gora-Grabrovnik)                          | 50 | PL238_rekonstrukc_Vodoprojekt, PL240_rekonstrukc_Vodoprojekt, PL243,<br>PL245_rekonstrukc_Vodoprojekt, PL246_rekonstrukc_Vodoprojekt,<br>PL247_rekonstrukc_Vodoprojekt, PL248_rekonstrukc_Vodoprojekt,<br>PL250_rekonstrukc_Vodoprojekt, PL252_rekonstrukc_Vodoprojekt   |
| 51. | Magistralni cjevovodi<br>Gornjeg Međimurja<br>(Jurovčak)   | 51 | PL255_rekonstrukc_Vodoprojekt, PL257_rekonstrukc_Vodoprojekt,<br>PL259_rekonstrukc_Vodoprojekt, PL261_rekonstrukc_Vodoprojekt,<br>PL263_rekonstrukc_Vodoprojekt  |
| 52. | Magistralni cjevovodi<br>Gornjeg Međimurja (potez<br>Prekopa-Grkavešćak-<br>Gradišćak)           | 52 | PL524A_rekonstrukc_Vodoprojekt, PL569_rekonstrukc_Vodoprojekt,<br>PL571_rekonstrukc_Vodoprojekt, PL32_rekonstrukc_Vodoprojekt,<br>PL574_rekonstrukc_Vodoprojekt, PL575_rekonstrukc_Vodoprojekt,<br>PL577_rekonstrukc_Vodoprojekt, PL579_rekonstrukc_Vodoprojekt,<br>PL583_rekonstrukc_Vodoprojekt, PL585_rekonstrukc_Vodoprojekt,<br>PL587_rekonstrukc_Vodoprojekt, PL589_rekonstrukc_Vodoprojekt,<br>PL594_rekonstrukc_Vodoprojekt, PL596_rekonstrukc_Vodoprojekt,<br>PL597_rekonstrukc_Vodoprojekt, PL598_rekonstrukc_Vodoprojekt,<br>PL599_rekonstrukc_Vodoprojekt, PL602_rekonstrukc_Vodoprojekt,<br>PL604_rekonstrukc_Vodoprojekt, PL606_rekonstrukc_Vodoprojekt,<br>PL607_rekonstrukc_Vodoprojekt  |
| 53. | Magistralni cjevovodi<br>Gornjeg Međimurja<br>(Prekopa-Praporčan)                                | 53 | PL570_rekonstrukc_Vodoprojekt, PL683_rekonstrukc_Vodoprojekt,<br>PL681_rekonstrukc_Vodoprojekt, PL679_rekonstrukc_Vodoprojekt,<br>PL678_rekonstrukc_Vodoprojekt, PL677_rekonstrukc_Vodoprojekt,<br>PL675_rekonstrukc_Vodoprojekt   |
| 54. | Magistralni cjevovodi<br>Gornjeg Međimurja (potez<br>Grkavešćak-Selnica-<br>Frkanovec-Zasadbreg) | 54 | PL575A_rekonstrukc_Vodoprojekt, PL640_rekonstrukc_Vodoprojekt,<br>PL634_rekonstrukc_Vodoprojekt, PL645_rekonstrukc_Vodoprojekt,<br>PL646_rekonstrukc_Vodoprojekt, PL651_rekonstrukc_Vodoprojekt,<br>PL653_rekonstrukc_Vodoprojekt, BL25_izgradnja_Vodoprojekt,<br>PL654A_rekonstrukc_Vodoprojekt, PL658_rekonstrukc_Vodoprojekt,<br>PL660_rekonstrukc_Vodoprojekt, BL32_izgradnja_Vodoprojekt,<br>PL661_rekonstrukc_Vodoprojekt, PL663_rekonstrukc_Vodoprojekt,<br>PL667_rekonstrukc_Vodoprojekt, PL688, PL695_rekonstrukc_Vodoprojekt,<br>PL698_rekonstrukc_Vodoprojekt, PL700_rekonstrukc_Vodoprojekt,<br>PL703_rekonstrukc_Vodoprojekt, 2-dodatno2, PL730_rekonstrukc_Vodoprojekt,<br>PL732_rekonstrukc_Vodoprojekt, PL736_rekonstrukc_Vodoprojekt,<br>PL737_rekonstrukc_Vodoprojekt, PL739_rekonstrukc_Vodoprojekt,<br>PL739A_rekonstrukc_Vodoprojekt, PL740_rekonstrukc_Vodoprojekt,<br>BL36_rekonstrukc_Vodoprojekt, BL35_rekonstrukc_Vodoprojekt,<br>PL744C_rekonstrukc_Vodoprojekt, PL744_rekonstrukc_Vodoprojekt,<br>PL748_rekonstrukc_Vodoprojekt, PL750_rekonstrukc_Vodoprojekt,<br>PL806_rekonstrukc_Vodoprojekt |
| 55. | Vodoopskrbna mreža<br>naselja Hlapčina   | 55 | BL127_izgradnja, BL101_izgradnja, BL93_izgradnja, BL341_izgradnja,<br>BL337_izgradnja, 051, BL_14_izgradnja, 29, 28, BL339_izgradnja,<br>BL338_izgradnja   |
| 56. | Rekonstrukcija<br>magistralnog cjevovod<br>(Strahoninec)   | 56 | PL1982_rekonstrukc_Vodoprojekt   |
| 57. | Spojni cjevovod (Šenkovec)   | 57 | 7_izgradnja_Vodoprojekt  |

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| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>261/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

Obzirom na činjenicu da će rekonstrukcija i dogradnja predmetnog vodoopskrbnog sustava biti vršena u dužem vremenskom razdoblju, te da će ista imati relativno veliku investicijsku vrijednost, pretpostavlja se da će se ovo odvijati po fazama.

Zbog naprijed navedenog ovdje se daje prijedlog faza izgradnje, uz napomenu da isti nije obvezujući, te da korisnik, koristeći hidraulički matematički model, koncepciju faznosti izgradnje može prilagođavati trenutačnim potrebama i financijskim mogućnostima.

Koncepcijom faza razvoja sustava prema ovom Elaboratu predviđene su četiri faze.

## I FAZA

U sklopu prve faze predviđenu su najneophodnije optimalizacije postojećeg stanja, te rekonstrukcija i izgradnja prioritetnih magistralnih cjevovoda i objekata, i to kako slijedi:

- neposredno prije naselja Novo Selo, na magistralnome cjevovodu treba postaviti regulator tlaka (PRV8\_rekonstrukc\_Vodoprojekt) sa funkcijom optimalizacije tlakova područja Novo Selo, Krištanovec, G.Kraljevec, Sivica, Ferketinec, Matekovec, Miklavec, Križovec, Peklenica, Vratišinec, Brodec, Brezje, Mursko Središće, Vrhovljan, Martin. Postojeći regulator tlaka lociran na magistralnome cjevovodu južno od naselja Peklenica uklanja se,
- rekonstrukcija postojećeg cjevovoda Sivica – Dubrava (PL1159\_rekonstrukc\_Vodoprojekt) – (cjevovod br. 38),
- optimalizacija tlakova magistralnog cjevovoda Pribislavec – Belica – Gardinovec – Dekanovec (putem regulatora tlaka PRVa\_rekonstrukc\_Vodoprojekt),
- na magistralnom cjevovodu u smjeru Goričana postavlja se regulator tlaka (PRVb\_rekonstrukc\_Vodoprojekt) sa ciljem optimalizacije tlakova područja Goričan,
- na magistralnom cjevovodu južno od naselja Draškovec postavlja se regulator tlaka PRV9\_rekonstrukc\_Vodoprojekt, te se na taj način vrši optimalizacija tlakova područja Čukovec, D.Mihaljevec, Sveta Marija, D.Vidovec, D.Dubrava i Kotoriba,
- optimalizacija za područje Šenkovec, Mihovljan i Mačkovec, a na način kako slijedi: postavljanje regulatora tlaka PRV2\_rekonstrukc\_Vodoprojekt, PRV3\_rekonstrukc\_Vodoprojekt, PRV\_optim1\_rekons\_Vodoprojekt, PRV6\_rekonstrukc\_Vodoprojekt; izgradnja precrpnice Mačkovec (objekt br. 2) sa opskrbnom crpkom MackovecP1\_izgr\_Vodoprojekt i požarnom crpkom MackovecP2\_izgr\_Vodoprojekt (opskrbna crpka se uključuje po potrebi – prema uvjetu zadanog tlaka), zatvara se cijev PL1260, odvaja se od magistralnog cjevovoda istočni spoj cjevovoda PL1268A,
- rekonstrukcija tlačno-gravitacijskog cjevovoda precrpnica Lopatinec – vodospremnik Mohokos (cjevovod br. 44),
- rekonstrukcija hidrostanice Mohokos (objekt br. 12),
- spojni cjevovod br. 57,

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| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKOŽUPANIJE | Stranica:<br>262/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

- izgradnja precrpnice Železna Gora (P1-Zel\_Gora) – (objekt br. 3),
- rekonstrukcija magistralnog cjevovoda na potezu Prekopa – Grkavešćak – Gradišćak (objekt br. 52),
- izgradnja preostalog dijela vodoopskrbne mreže naselja Hlapičina (cjevovodi br. 39 i 55),
- izgradnja vodospremnika Železna Gora (objekt br. 4) i dijela pripadajućih cjevovoda (BL1\_izgradnja, BL9\_izgradnja\_1dio, BL9\_izgradnja\_2dio) – (1 i 2 dio cjevovoda br. 33), te postavljanje regulatora tlaka PRV\_Zel\_Gora i ventila FCV-Zelezna\_Gora za kontrolirano pripunjavanje vodospremnika Železna Gora,
- u Murskom Središću se postavlja regulator tlaka (PRV7\_izgradnja\_Vodoprojekt) koji ima funkciju potpore vodoopskrbi u satima maksimalne potrošnje.

## II FAZA

Rekonstrukcija i izgradnja prema drugoj fazi odnosi se na slijedeće:

- preostali dio cjevovoda br. 33 (Herjakovčina – Toplice Sv. Martin),
- cjevovod br. 34 (Železna Gora – Štrigova),
- cjevovod br. 50 (Železna Gora – Grabrovnik),
- spojni cjevovod na vodocrpilištu Nedelišće (cjevovod br. 22),
- magistralni cjevovod Nedelišće – Savska Ves (cjevovodi br. 20 i 42),
- magistralni cjevovod u ul. m. Tita u Nedelišću (cjevovod br. 17),
- južni magistralni cjevovod (cjevovod br. 29 i 41),
- vodotoranj Čakovec II (objekt br. 11),
- magistralni cjevovod Čakovec – Pribislavec (cjevovod br. 14),
- magistralni cjevovod za industrijsku zonu Istok – Čakovec (cjevovod br. 28),
- magistralni cjevovod uz Dravu – II faza, (cjevovod br. 13),
- magistralni cjevovod u ul. J.Slogara u Čakovcu (cjevovod br. 16),
- magistralni cjevovod Krištanovec – Peklenica (cjevovod br. 30),
- magistralni cjevovod Mursko Središće – Peklenica (cjevovod br. 31),
- magistralni cjevovod Pribislavec – Belica (cjevovod br. 27),
- magistralni cjevovod Mala Subotica – Turčišće (cjevovod br. 26),
- magistralni cjevovod Prelog – Hodošan (cjevovod br. 40),
- magistralni cjevovod Donji Kraljevec – Draškovec (cjevovod br. 36),
- magistralni cjevovod Prelog – Turčišće (cjevovod br. 37),
- magistralni cjevovod Turčišće – Domašinec (cjevovod br. 35).

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| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>263/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

### III FAZA

Rekonstrukcija i izgradnja prema trećoj fazi odnosi se na slijedeće:

- magistralni cjevovod donji Kraljevec – Goričan (cjevovod br. 24),
- magistralni cjevovod Hodošan – Turčišće (cjevovod br. 25),
- magistralni cjevovod Mala Subotica – Orehovica (cjevovod br. 23),
- istočni magistralni cjevovod Čakovec (cjevovod br. 18),
- sjeverni magistralni cjevovod Čakovec (cjevovod br. 19),
- vodospremnik Dragoslavec (objekt br. 5),
- vodotoranj Frkanovec (objekt br. 6),
- vodotoranj Bukovec (objekt br. 10),
- vodotoranj Sveti Urban (objekt br. 7),
- vodospremnik Lopatinec – dogradnja (objekt br. 43, 46, 45, 54, 32, 53, 47, 48, 49, 51).

### IV FAZA

Rekonstrukcija i izgradnja prema četvrtoj fazi odnosi se na slijedeće:

- magistralni cjevovod Brezje – Mali Mihaljevec (cjevovod br. 15),
- vodotoranj Dekanovec (objekt br. 8),
- vodotoranj Kotoriba (objekt br. 9).

Napominje se da magistralni cjevovod Brezje – Mali Mihaljevec (cjevovod br. 15) treba izgraditi ako na trasi ovog cjevovoda postoje potrošači. Ovaj cjevovod treba funkcionirati kao distributivni, uz uvjet da između naselja Brezje i Mali Mihaljevec bude postavljen i zatvoren sekcijski zasun. Ovaj zasun se može otvarati samo u izvanrednim prilikama, uz uvjet da to bude prethodno simulirano na hidrauličkom matematičkom modelu.

Južni magistralni cjevovod uz zaobilaznicu grada Čakovca, a koji se spominje u razvojnoj dokumentaciji, nema potrebe graditi, obzirom da njegovu funkciju preuzimaju cjevovodi br. 29 i 41.

Budući vodoopskrbni sustav će moći funkcionirati i bez vodotoranjeva Dekanovec i Kotoriba, te vodospremnika Železna Gora, ali bi to značilo smanjenje i ovako nedostatne zapremine rezervoarskog prostora u odnosu na srednju dnevnu potrošnju, pa je izgradnja ovih objekata u tom pogledu opravdana, obzirom da se na taj način podiže stupanj pouzdanosti vodoopskrbe.

Cjevovod Mala Subotica – Orehovica (objekt br. 23) nije potreban za funkcioniranje sustava, ali je njegova izgradnja predviđena u trećoj fazi, obzirom na informaciju

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| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>264/512   |
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dobivenu od Naručitelja da će na ovome potezu biti izgrađen jedan gospodarski subjekt.

### NADZORNO-UPRAVLJAČKI SUSTAV

Ovim koncepcijskim rješenjem obuhvaćene su i osnove nadzorno-upravljačkog sustava, a na način da su u sklopu hidrauličkog matematičkog modela budućeg stanja, a u korelaciji sa rezultatima simulacija, određeni centri i periferni punktovi sustava, te izvršeno definiranje osnovnih postavki protokola i strukture mjerenja (digitalni i analogni signali).

Lokacije centara i podcentara nadzorno-upravljačkog sustava su kako slijedi:

**CENTAR – UPRAVA KORISNIKA (dežurni dispečer)**

Podcentar 1 – vodocrpilište Nedelišće

Podcentar 2 – vodocrpilište Prelog

Podcentar 3 – vodospremnik Lopatinec sa precrpicom

Podcentar 4 – vodospremnik Mohokos sa hidrostanicom

Podcentar 5 – vodospremnik Železna gora

Napomena: CENTAR je prema protokolu nadređen svim podcentrima, te perifernim nadzorno-upravljačkim punktovima na cijelom sustavu, dok je nadređenost podcentara ograničena na periferne punktove pripadajućih tehnoloških područja.

Periferni nadzorno-upravljački punktovi su u sklopu protokola u pravilu podređeni CENTRU i pripadajućim podcentrima.

Struktura glavnih elemenata nadzorno-upravljačkog sustava definirana je u slijedećoj tablici:

| oznaka | lokacija                              |
|--------|---------------------------------------|
| C      | Uprava korisnika (dežurni dispečer)   |
| P1     | vodocrpilište «Nedelišće»             |
| P2     | vodocrpilište «Prelog»                |
| P3     | vodospremnik i precrpnica «Lopatinec» |
| P4     | vodospremnik i hidrostanica «Mohokos» |
| P5     | vodospremnik «Železna Gora»           |
| Pnmu   | 37 lokacija                           |
| Pnm    | 18 lokacija                           |

Lokacije elemenata nadzorno-upravljačkog sustava su detaljno označene na situacijskim prikazima u mjerilu 1:25000 (Prilog 7.2.).

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>265/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

## 5.2. Buduća potreba u vodi

Izračun budućih potreba u vodi za 2030. godinu izvršen je na osnovu podataka o popisu stanovništva iz 1981., 1991. i 2001. godine, podataka o stanju 2008. godine, te prognoze stanja 2030. godine. Osim potrošnje stanovništva, proračunom ukupne potrebe u vodi je na adekvatan način obuhvaćena i potrošnja gospodarskih subjekata i ustanova.

Pri naprijed navedenom izračunu respektirani su demografski podaci iz Prostornih planova, te podaci iz postojeće tehničke dokumentacije temeljem koje se predmetni vodoopskrbni sustav do sada razvijao (poglavlje 3. Popis podloga, dokumentacije i izvora podataka korištenih za izradu Elaborata).

U sklopu analize i definiranja buduće specifične potrošnje respektirani su podaci iz postojeće tehničke dokumentacije, ali je istovremeno posebna pozornost usmjerena na analizu podataka dobivenih od Naručitelja, te je sukladno rezultatima ove analize izvršena modifikacija ulaznih parametara.

U slijedećoj tablici su prezentirani podaci o predviđenoj specifičnoj potrošnji za 2020. godinu kako je to definirano postojećom tehničkom dokumentacijom:

| Broj stanovnika naselja | Specifična potrošnja (l/stan./dan) |
|-------------------------|------------------------------------|
| < 2.500                 | 140                                |
| 2.500 – 5.000           | 160                                |
| 10.000 – 15.000         | 230                                |

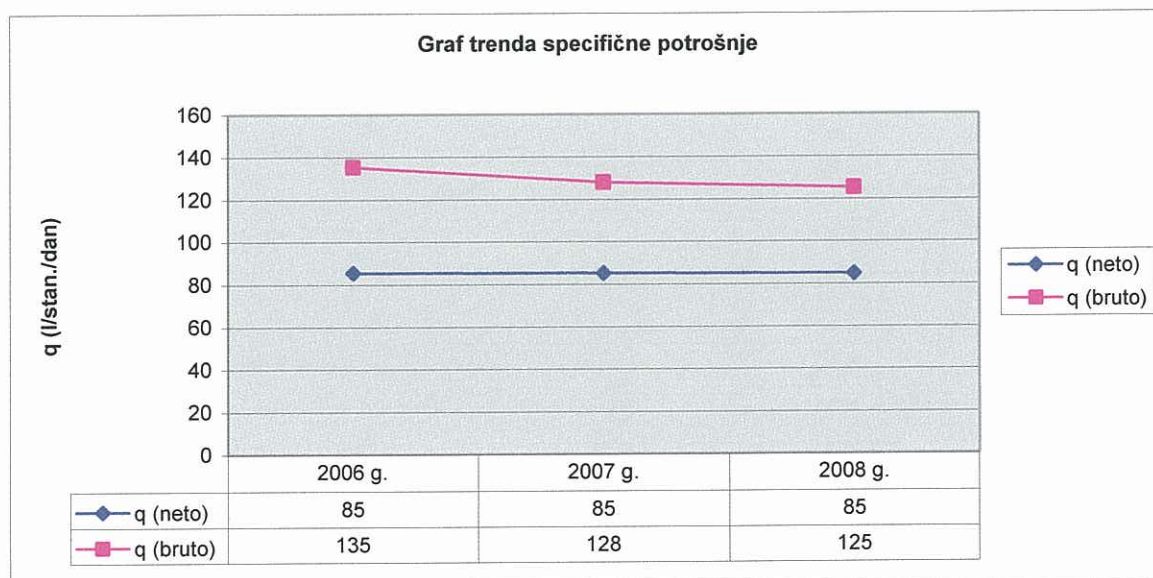
Analizom izračuna specifične potrošnje u sklopu postojeće tehničke dokumentacije utvrđeno je da je ovaj izračun vršen na tehnički korektan način, ali u razdoblju od 1991. godine do 1998. godine, uvažavajući ulazne parametre kojima su projektanti u to vrijeme raspolagali.

Kako je definiranje buduće specifične potrošnje vrlo često podložno utjecaju različitih pristupa i suprotstavljenih stavova, u sklopu ovog Elaborata je izvršena analiza podataka o stvarnoj specifičnoj potrošnji, te je temeljem dobivenih rezultata izvršena modifikacija specifične potrošnje koja je definirana u sklopu postojeće tehničke dokumentacije iz ranijeg razdoblja (od 1991. godine do 1998. godine).

U cilju definiranja trenda specifične potrošnje analizirani su podaci iz zadnje tri godine, a što je prikazano u tablici i grafu u nastavku:

| Godina  | ZAHVAĆENA VODA    | FAKTURIRANO (m <sup>3</sup> ) |              |                  |
|---------|-------------------|-------------------------------|--------------|------------------|
|         | (m <sup>3</sup> ) | ukupno                        | stanovništvo | ostali potrošači |
| 2006 g. | 7.577.211         | 4.789.995                     | 3.703.858    | 1.086.137        |
| 2007 g. | 7.397.627         | 4.925.263                     | 3.863.928    | 1.061.335        |
| 2008 g. | 7.165.147         | 4.844.937                     | 3.729.894    | 1.115.043        |

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |



q (neto) = specifična potrošnja stanovništva prema podacima o fakturiranoj vodi  
q (bruto) = specifična potrošnja stanovništva prema odgovarajućim podacima o zahvaćenoj vodi.

Iz gornjeg dijagrama je vidljivo da neto specifična potrošnja u zadnje tri godine ima istu vrijednost, dok je bruto specifična potrošnja u blagom padu, a iz razloga sve povoljnijeg trenda u pogledu odnosa fakturirane i nefakturirane vode.

Analizom podataka o broju i potrošnji stanovništva urbanih zona u odnosu na ruralna područja u 2008. godini, dolazi se do podatka da u ukupnom broju stanovnika urbane zone učestvuju sa 20 %, dok u potrošnji stanovništva učestvuju sa 25 %. Ovi pokazatelji se u budućnosti neće bitno mijenjati, osim što će, kao posljedica priključenja još nepriključenih potrošača ruralnih područja, doći do manjeg pada učešća potrošnje stanovnika urbanih zona u ukupnoj potrošnji stanovništva (za oko 1 %), što je za ovdje izvršene analize zanemarivo.

Specifična potrošnja stanovništva urbanih zona u 2008. godini bila je 108 l/stand./dan (bruto 160 l/stand./dan), dok je specifična potrošnja stanovništva ruralnih područja bila 79 l/stand./dan (bruto 117 l/stand./dan).

Na osnovu naprijed izloženog izvršena je modifikacija podataka o specifičnoj potrošnji iz postojeće tehničke dokumentacije, te su za 2030. godinu usvojene slijedeće veličine:

| Broj stanovnika naselja | Specifična potrošnja (l/stand./dan) |
|-------------------------|-------------------------------------|
| < 2.500                 | 120                                 |
| 2.500 – 7.500           | 140                                 |
| 7.500 – 17.500          | 170                                 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>267/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

Obzirom na činjenicu da se u praksi često događa da vodoopskrbni sustavi zbog nerealno velikih planskih veličina specifične potrošnje i neuvažavanja stvarnih trendova budu predimenzionirani, a što je sa tehnoekonomskog stanovišta i sa stanovišta eksploatacije neprihvatljivo, ovdje je u odnosu na općepoznate podatke i proračune iz literature, prednost dana stvarnim podacima i trendovima u okviru konkretnog vodoopskrbnog sustava, te je između ova dva pristupa utvrđen optimalni odnos.

Uz puno uvažavanje pretpostavke Korisnika da se specifična potrošnja u budućnosti neće povećavati, imajući u vidu racionalno korištenje vode uz uvođenje principa "korisnik plaća", u gornjem izračunu je ipak predviđeno da će, daljnjom urbanizacijom i porastom životnog standarda, neminovno doći do stanovitog povećanja specifične potrošnje, iako će ista još uvijek biti značajno manja od one koja je predviđena postojećom tehničkom dokumentacijom.

U sklopu naprijed izvršene analize podataka u svezi specifične potrošnje, uočeno je i to da potrošnja gospodarstva u odnosu na potrošnju stanovništva u 2008. godini ima trend blagog rasta, a što je respektirano u sklopu izračuna vodne bilance.

Obzirom na postojeći stupanj razvijenosti i organiziranosti eksploatacije sustava, u sklopu izračuna buduće potrebe u vodi za 2030. godinu, pretpostavljeno je da će ukupni gubici biti na nivou 20%.

Na osnovu gore izloženog izvršen je izračun buduće potrebe u vodi, koja, u odnosu na 7.165.147 m<sup>3</sup> u 2008. godini (227,21 l/s), za 2030. godinu iznosi 10.859.862 m<sup>3</sup> (344,36 l/s), a što predstavlja planirano povećanje od 52 %.

Može se konstatirati da, obzirom na postojeći kapacitet vodocrpilišta od 722 l/s, u budućnosti neće biti vodnog deficita.

U tablici u nastavku izvršen je izračun potrebe u vodi za planski period do 2030. godine, sve uz primjenu ulaznih podataka i parametara kako je to naprijed izloženo:

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>268/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   | Nadnevak:<br>17.11. 2009. |

IZRAČUN POTREBE U VODI ZA 2030. godinu

| MEĐIMURSKA<br>ŽUPANIJA | STANOVNICI     |                |                |                |                | PRODAJA          |               |                         |              |                  |               |                  |               |                         |              |                  |               | BUDUĆA POTREBA U VODI |               |                         |              |                   |               |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|---------------|-------------------------|--------------|------------------|---------------|------------------|---------------|-------------------------|--------------|------------------|---------------|-----------------------|---------------|-------------------------|--------------|-------------------|---------------|
|                        | popis          |                |                | stanje         | prognoza       | 2007.            |               |                         |              |                  |               | 2008.            |               |                         |              |                  |               | 2030.                 |               |                         |              |                   |               |
|                        | 1981.          | 1991.          | 2001.          | 2008.          | 2030.          | stanovništvo     |               | gospodarstvo i ustanove |              | ukupno           |               | stanovništvo     |               | gospodarstvo i ustanove |              | ukupno           |               | stanovništvo          |               | gospodarstvo i ustanove |              | ukupno            |               |
|                        |                |                |                |                |                | m3/god.          | l/s           | m3/god.                 | l/s          | m3/god.          | l/s           | m3/god.          | l/s           | m3/god.                 | l/s          | m3/god.          | l/s           | m3/god.               | l/s           | m3/god.                 | l/s          | m3/god.           | l/s           |
| <b>Županija ukupno</b> | <b>114.254</b> | <b>117.339</b> | <b>113.857</b> | <b>120.656</b> | <b>142.998</b> | <b>3.863.928</b> | <b>122,52</b> | <b>1.004.203</b>        | <b>31,84</b> | <b>4.868.131</b> | <b>154,37</b> | <b>3.729.894</b> | <b>118,25</b> | <b>1.115.043</b>        | <b>35,32</b> | <b>4.844.937</b> | <b>153,56</b> | <b>8.224.403</b>      | <b>257,64</b> | <b>3.027.928</b>        | <b>83,24</b> | <b>10.859.862</b> | <b>344,36</b> |
| <b>Gradovi ukupno</b>  | <b>39.453</b>  | <b>41.979</b>  | <b>40.294</b>  | <b>42.908</b>  | <b>51.498</b>  | <b>1.498.316</b> | <b>47,51</b>  | <b>685.756</b>          | <b>21,75</b> | <b>2.184.072</b> | <b>69,26</b>  | <b>1.443.891</b> | <b>45,76</b>  | <b>731.708</b>          | <b>23,20</b> | <b>2.175.599</b> | <b>68,96</b>  | <b>3.182.961</b>      | <b>100,93</b> | <b>1.410.879</b>        | <b>44,74</b> | <b>4.593.840</b>  | <b>145,67</b> |
| <b>1. Čakovec</b>      | <b>24.952</b>  | <b>27.250</b>  | <b>26.237</b>  | <b>27.818</b>  | <b>33.014</b>  | <b>1.125.081</b> | <b>35,68</b>  | <b>637.427</b>          | <b>20,21</b> | <b>1.762.508</b> | <b>55,89</b>  | <b>1.081.298</b> | <b>34,29</b>  | <b>676.123</b>          | <b>21,44</b> | <b>1.757.421</b> | <b>55,73</b>  | <b>2.116.484</b>      | <b>67,11</b>  | <b>1.290.815</b>        | <b>40,93</b> | <b>3.407.299</b>  | <b>108,04</b> |
| Čakovec                | 14.706         | 15.999         | 15.200         | 15.716         | 17.410         | 740.102          | 23,47         | 610.236                 | 19,35        | 1.350.338        | 42,82         | 711.282          | 22,55         | 658.405                 | 20,88        | 1.369.687        | 43,43         | 1.296.311             | 41,11         | 1.260.240               | 39,96        | 2.556.552         | 81,07         |
| Ivanovec               | 2.015          | 2.111          | 2.150          | 2.248          | 2.572          | 46.900           | 1,49          | 2.620                   | 0,08         | 49.520           | 1,57          | 40.213           | 1,28          | 4.283                   | 0,14         | 44.496           | 1,41          | 135.158               | 4,29          | 10.365                  | 0,33         | 145.523           | 4,61          |
| Krištanovec            | 665            | 668            | 631            | 658            | 747            | 21.931           | 0,70          | 13.805                  | 0,44         | 35.736           | 1,13          | 22.289           | 0,71          | 248                     | 0,01         | 22.537           | 0,71          | 39.236                | 1,24          | 314                     | 0,01         | 39.550            | 1,25          |
| Kuršanec               | 842            | 1.103          | 993            | 1.362          | 2.573          | 26.052           | 0,83          | 1.098                   | 0,03         | 27.150           | 0,86          | 24.971           | 0,79          | 1.251                   | 0,04         | 26.222           | 0,83          | 135.211               | 4,29          | 4.877                   | 0,15         | 140.088           | 4,44          |
| Mačkovec *             | 1.413          | 1.535          | 1.300          | 1.300          | 1.300          | 52.161           | 1,65          | 2.366                   | 0,08         | 54.527           | 1,73          | 50.435           | 1,60          | 3.356                   | 0,11         | 53.791           | 1,71          | 68.328                | 2,17          | 3.274                   | 0,10         | 71.602            | 2,27          |
| Mihovljan              | 950            | 1.098          | 1.207          | 1.500          | 2.463          | 54.895           | 1,74          | 726                     | 0,02         | 55.621           | 1,76          | 55.528           | 1,76          | 644                     | 0,02         | 56.172           | 1,78          | 129.429               | 4,10          | 1.081                   | 0,03         | 130.510           | 4,14          |
| N.Selo Rok             | 1.271          | 1.443          | 1.369          | 1.497          | 1.917          | 63.818           | 2,02          | 3.024                   | 0,10         | 66.842           | 2,12          | 59.679           | 1,89          | 2.168                   | 0,07         | 61.847           | 1,96          | 100.731               | 3,19          | 2.635                   | 0,08         | 103.366           | 3,28          |
| N.Selo na Dravi        | 606            | 608            | 605            | 624            | 688            | 14.979           | 0,47          | 137                     | 0,00         | 15.116           | 0,48          | 14.750           | 0,47          | 186                     | 0,01         | 14.936           | 0,47          | 36.135                | 1,15          | 328                     | 0,01         | 36.463            | 1,16          |
| Savska Ves             | 1.162          | 1.238          | 1.194          | 1.244          | 1.407          | 51.980           | 1,65          | 1.650                   | 0,05         | 53.630           | 1,70          | 49.814           | 1,58          | 1.853                   | 0,06         | 51.667           | 1,64          | 73.952                | 2,35          | 1.981                   | 0,06         | 75.933            | 2,41          |
| Slemenice *            |                |                | 214            | 265            | 435            | 7.700            | 0,24          |                         |              | 7.700            | 0,24          | 7.787            | 0,25          | 1.224                   | 0,04         | 9.011            | 0,29          | 22.837                | 0,72          | 2.585                   | 0,08         | 25.422            | 0,81          |
| Šandorovec             | 245            | 290            | 316            | 347            | 448            | 11.591           | 0,37          | 419                     | 0,01         | 12.010           | 0,38          | 11.827           | 0,38          | 873                     | 0,03         | 12.700           | 0,40          | 23.547                | 0,75          | 1.251                   | 0,04         | 24.798            | 0,79          |
| Totovec                | 548            | 580            | 524            | 524            | 524            | 17.947           | 0,57          | 1.189                   | 0,04         | 19.136           | 0,61          | 17.767           | 0,56          | 1.362                   | 0,04         | 19.129           | 0,61          | 27.541                | 0,87          | 1.520                   | 0,05         | 29.062            | 0,92          |
| Žiškovec               | 529            | 577            | 534            | 534            | 534            | 15.025           | 0,48          | 157                     | 0,00         | 15.182           | 0,48          | 14.956           | 0,47          | 270                     | 0,01         | 15.226           | 0,48          | 28.067                | 0,89          | 365                     | 0,01         | 28.432            | 0,90          |
| <b>2. M.Središće</b>   | <b>6.421</b>   | <b>6.631</b>   | <b>6.383</b>   | <b>7.125</b>   | <b>9.562</b>   | <b>178.589</b>   | <b>5,66</b>   | <b>17.030</b>           | <b>0,54</b>  | <b>195.619</b>   | <b>6,20</b>   | <b>178.016</b>   | <b>5,62</b>   | <b>20.713</b>           | <b>0,66</b>  | <b>198.729</b>   | <b>6,27</b>   | <b>552.160</b>        | <b>17,51</b>  | <b>44.740</b>           | <b>1,42</b>  | <b>596.900</b>    | <b>18,93</b>  |
| Hlapičina              |                | 832            | 761            | 804            | 946            |                  |               |                         |              |                  |               |                  |               |                         |              |                  |               | 49.695                | 1,58          |                         |              | 49.695            | 1,58          |
| Križovec               |                | 750            | 672            | 667            | 650            |                  |               |                         |              |                  |               | 825              |               | 23                      |              |                  |               | 34.138                | 1,08          | 50                      |              | 34.187            | 1,08          |
| Mursko Središće        |                | 3.331          | 3.242          | 3.807          | 5.663          | 126.402          | 4,01          | 15.461                  | 0,49         | 141.863          | 4,50          | 123.741          | 3,92          | 19.326                  | 0,61         | 143.067          | 4,54          | 347.255               | 11,01         | 41.744                  | 1,32         | 388.999           | 12,34         |
| Peklenica              |                | 1.284          | 1.305          | 1.418          | 1.790          | 41.752           | 1,32          | 1.341                   | 0,04         | 43.093           | 1,37          | 42.448           | 1,35          | 1.286                   | 0,04         | 43.734           | 1,39          | 94.056                | 2,98          | 2.778                   | 0,09         | 96.834            | 3,07          |
| Štrukovec              |                | 434            | 403            | 429            | 514            | 10.435           | 0,33          | 228                     | 0,01         | 10.663           | 0,34          | 11.002           | 0,35          | 78                      | 0,00         | 11.080           | 0,35          | 27.016                | 0,86          | 168                     | 0,01         | 27.184            | 0,86          |
|                        |                |                |                |                |                |                  |               |                         |              |                  |               |                  |               |                         |              |                  |               | 0                     |               |                         |              |                   |               |
| <b>3. Prelog</b>       | <b>8.080</b>   | <b>8.098</b>   | <b>7.674</b>   | <b>7.965</b>   | <b>8.922</b>   | <b>194.646</b>   | <b>6,17</b>   | <b>31.299</b>           | <b>0,99</b>  | <b>225.945</b>   | <b>7,16</b>   | <b>184.577</b>   | <b>5,85</b>   | <b>34.872</b>           | <b>1,11</b>  | <b>219.449</b>   | <b>6,96</b>   | <b>514.317</b>        | <b>16,31</b>  | <b>75.324</b>           | <b>2,39</b>  | <b>589.641</b>    | <b>18,70</b>  |
| Cirkovljan             | 949            | 945            | 796            | 759            | 636            | 5.449            | 0,17          | 221                     | 0,01         | 5.670            | 0,18          | 5.607            | 0,18          | 320                     | 0,01         | 5.927            | 0,19          | 33.402                | 1,06          | 691                     | 0,02         | 34.093            | 1,08          |
| Čehovec                | 723            | 744            | 731            | 745            | 791            | 15.207           | 0,48          | 714                     | 0,02         | 15.921           | 0,50          | 13.878           | 0,44          | 528                     | 0,02         | 14.406           | 0,46          | 41.575                | 1,32          | 1.140                   | 0,04         | 42.715            | 1,35          |
| Čukovec                | 370            | 328            | 330            | 332            | 339            | 11.667           | 0,37          | 116                     | 0,00         | 11.783           | 0,37          | 10.590           | 0,34          | 131                     | 0,00         | 10.721           | 0,34          | 17.818                | 0,57          | 283                     | 0,01         | 18.101            | 0,57          |
| Draškovec              | 745            | 793            | 669            | 628            | 492            | 23.554           | 0,75          | 860                     | 0,03         | 24.414           | 0,77          | 22.222           | 0,70          | 1.105                   | 0,04         | 23.327           | 0,74          | 25.860                | 0,82          | 2.387                   | 0,08         | 28.246            | 0,90          |
| Hemuševac              | 278            | 292            | 283            | 286            | 295            | 9.172            | 0,29          | 190                     | 0,01         | 9.362            | 0,30          | 8.792            | 0,28          | 220                     | 0,01         | 9.012            | 0,29          | 15.505                | 0,49          | 475                     | 0,02         | 15.980            | 0,51          |
| Oporovec               | 447            | 393            | 415            | 465            | 628            | 12.974           | 0,41          | 404                     | 0,01         | 13.378           | 0,42          | 12.174           | 0,39          | 333                     | 0,01         | 12.507           | 0,40          | 33.008                | 1,05          | 719                     | 0,02         | 33.727            | 1,07          |
| Otok                   | 314            | 329            | 302            | 363            | 562            | 12.037           | 0,38          | 897                     | 0,03         | 12.934           | 0,41          | 8.046            | 0,26          | 594                     | 0,02         | 8.640            | 0,27          | 29.512                | 0,94          | 1.283                   | 0,04         | 30.795            | 0,98          |
| Prelog                 | 4.254          | 4.274          | 4.148          | 4.389          | 5.180          | 104.586          | 3,32          | 27.897                  | 0,88         | 132.483          | 4,20          | 103.268          | 3,27          | 31.641                  | 1,00         | 134.909          | 4,28          | 317.638               | 10,07         | 68.345                  | 2,17         | 385.982           | 12,24         |
| <b>Općine ukupno</b>   | <b>74.801</b>  | <b>75.360</b>  | <b>73.563</b>  | <b>77.748</b>  | <b>91.500</b>  | <b>2.365.612</b> | <b>75,01</b>  | <b>318.447</b>          | <b>10,10</b> | <b>2.684.059</b> | <b>85,11</b>  | <b>2.286.003</b> | <b>72,49</b>  | <b>383.335</b>          | <b>12,11</b> | <b>2.669.338</b> | <b>84,60</b>  | <b>5.041.441</b>      | <b>156,71</b> | <b>1.617.050</b>        | <b>38,50</b> | <b>6.266.022</b>  | <b>198,69</b> |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:   | Stranica:<br>269/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                             |              |              |              |              |              |                |             |               |             |                |             |                |             |               |             |                |             |                |             |                |             |                |              |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|----------------|-------------|---------------|-------------|----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|--------------|
| <b>1. Belica</b>            | <b>3.664</b> | <b>3.635</b> | <b>3.430</b> | <b>3.556</b> | <b>3.970</b> | <b>93.977</b>  | <b>2,98</b> | <b>4.743</b>  | <b>0,15</b> | <b>98.720</b>  | <b>3,13</b> | <b>91.902</b>  | <b>2,91</b> | <b>7.136</b>  | <b>0,23</b> | <b>99.038</b>  | <b>3,14</b> | <b>208.663</b> | <b>6,62</b> | <b>20.552</b>  | <b>0,65</b> | <b>229.215</b> | <b>7,27</b>  |
| Belica                      |              | 2.498        | 2.451        | 2.578        | 2.997        | 73.792         | 2,34        | 4.266         | 0,14        | 78.058         | 2,48        | 72.351         | 2,29        | 6.418         | 0,20        | 78.769         | 2,50        | 157.522        | 5,00        | 18.484         | 0,59        | 176.006        | 5,58         |
| Gardinovec                  |              | 1.137        | 979          | 978          | 973          | 20.185         | 0,64        | 477           | 0,02        | 20.662         | 0,66        | 19.551         | 0,62        | 718           | 0,02        | 20.269         | 0,64        | 51.141         | 1,62        | 2.068          | 0,07        | 53.209         | 1,69         |
| <b>2. Dekanovec</b>         | <b>963</b>   | <b>941</b>   | <b>802</b>   | <b>827</b>   | <b>909</b>   | <b>20.892</b>  | <b>0,66</b> | <b>1.735</b>  | <b>0,06</b> | <b>22.627</b>  | <b>0,72</b> | <b>20.331</b>  | <b>0,64</b> | <b>1.004</b>  | <b>0,03</b> | <b>21.335</b>  | <b>0,68</b> | <b>47.751</b>  | <b>1,51</b> | <b>2.892</b>   | <b>0,09</b> | <b>50.642</b>  | <b>1,61</b>  |
| Dekanovec                   |              | 941          | 802          | 827          | 909          | 20.892         | 0,66        | 1.735         | 0,06        | 22.627         | 0,72        | 20.331         | 0,64        | 1.004         | 0,03        | 21.335         | 0,68        | 47.751         | 1,51        | 2.892          | 0,09        | 50.642         | 1,61         |
| <b>3. Domašinec</b>         | <b>2.743</b> | <b>2.590</b> | <b>2.409</b> | <b>2.479</b> | <b>2.708</b> | <b>74.879</b>  | <b>2,37</b> | <b>5.805</b>  | <b>0,18</b> | <b>80.684</b>  | <b>2,56</b> | <b>71.162</b>  | <b>2,26</b> | <b>5.740</b>  | <b>0,18</b> | <b>76.902</b>  | <b>2,44</b> | <b>142.306</b> | <b>4,51</b> | <b>26.404</b>  | <b>0,52</b> | <b>168.710</b> | <b>5,04</b>  |
| Domašinec                   |              | 1.968        | 1.827        | 1.887        | 2.084        | 55.956         | 1,77        | 3.472         | 0,11        | 59.428         | 1,88        | 52.079         | 1,65        | 3.264         | 0,10        | 55.343         | 1,75        | 109.509        | 3,47        | 9.400          | 0,30        | 118.909        | 3,77         |
| Turčišće                    |              | 622          | 582          | 592          | 624          | 18.923         | 0,60        | 2.333         | 0,07        | 21.256         | 0,67        | 19.083         | 0,61        | 2.476         | 0,08        | 21.559         | 0,68        | 32.797         | 1,04        | 7.131          | 0,23        | 39.928         | 1,27         |
| <b>4. Donja Dubrava</b>     | <b>2.719</b> | <b>2.536</b> | <b>2.188</b> | <b>2.246</b> | <b>2.437</b> | <b>67.011</b>  | <b>2,12</b> | <b>46.318</b> | <b>1,47</b> | <b>113.329</b> | <b>3,59</b> | <b>63.839</b>  | <b>2,02</b> | <b>76.913</b> | <b>2,44</b> | <b>140.752</b> | <b>4,46</b> | <b>128.089</b> | <b>4,06</b> | <b>221.509</b> | <b>7,02</b> | <b>349.598</b> | <b>11,09</b> |
| Donja Dubrava               |              | 2.719        | 2.536        | 2.188        | 2.246        | 67.011         | 2,12        | 46.318        | 1,47        | 113.329        | 3,59        | 63.839         | 2,02        | 76.913        | 2,44        | 140.752        | 4,46        | 128.089        | 4,06        | 221.509        | 7,02        | 349.598        | 11,09        |
| <b>5. Donji Kraljevec</b>   | <b>5.337</b> | <b>5.313</b> | <b>4.793</b> | <b>4.979</b> | <b>5.590</b> | <b>165.490</b> | <b>5,25</b> | <b>42.877</b> | <b>1,36</b> | <b>208.367</b> | <b>6,61</b> | <b>157.759</b> | <b>5,00</b> | <b>44.197</b> | <b>1,40</b> | <b>201.956</b> | <b>6,40</b> | <b>293.784</b> | <b>9,32</b> | <b>203.306</b> | <b>6,45</b> | <b>497.090</b> | <b>15,76</b> |
| Donji Hrašćan               |              | 592          | 487          | 536          | 696          | 20.178         | 0,64        | 95            | 0,00        | 20.273         | 0,64        | 17.118         | 0,54        | 170           | 0,01        | 17.288         | 0,55        | 36.555         | 1,16        | 490            | 0,02        | 37.045         | 1,17         |
| Donji Kraljevec             |              | 1.653        | 1.635        | 1.737        | 2.072        | 60.433         | 1,92        | 27.892        | 0,88        | 88.325         | 2,80        | 60.050         | 1,90        | 29.189        | 0,93        | 89.239         | 2,83        | 108.878        | 3,45        | 84.064         | 2,67        | 192.942        | 6,12         |
| Donji Pustakovec            |              | 390          | 333          | 334          | 338          | 8.849          | 0,28        | 49            | 0,00        | 8.898          | 0,28        | 7.399          | 0,23        | 103           |             | 7.502          | 0,23        | 17.739         | 0,56        | 297            | 0,01        | 18.036         | 0,57         |
| Hodošan                     |              | 1.463        | 1.285        | 1.306        | 1.375        | 47.191         | 1,50        | 14.145        | 0,45        | 61.336         | 1,94        | 44.835         | 1,42        | 14.076        | 0,45        | 58.911         | 1,87        | 72.270         | 2,29        | 40.539         | 1,29        | 112.809        | 3,58         |
| Palinovec                   |              | 895          | 768          | 775          | 798          | 19.680         | 0,62        | 338           | 0,01        | 20.018         | 0,63        | 19.652         | 0,62        | 382           | 0,01        | 20.034         | 0,64        | 41.943         | 1,33        | 1.100          | 0,03        | 43.043         | 1,36         |
| Sveti Juraj u Trnju         |              | 320          | 285          | 291          | 312          | 9.159          | 0,29        | 358           | 0,01        | 9.517          | 0,30        | 8.705          | 0,28        | 277           | 0,01        | 8.982          | 0,28        | 16.399         | 0,52        | 798            | 0,03        | 17.196         | 0,55         |
| <b>6. Donji Vidovec</b>     | <b>1.904</b> | <b>1.756</b> | <b>1.569</b> | <b>1.589</b> | <b>1.653</b> | <b>44.494</b>  | <b>1,41</b> | <b>3.716</b>  | <b>0,12</b> | <b>48.210</b>  | <b>1,53</b> | <b>42.670</b>  | <b>1,35</b> | <b>4.112</b>  | <b>0,13</b> | <b>46.782</b>  | <b>1,48</b> | <b>86.882</b>  | <b>2,76</b> | <b>18.915</b>  | <b>0,60</b> | <b>105.797</b> | <b>3,35</b>  |
| Donji Vidovec               |              | 1.904        | 1.756        | 1.569        | 1.589        | 44.494         | 1,41        | 3.716         | 0,12        | 48.210         | 1,53        | 42.670         | 1,35        | 4.112         | 0,13        | 46.782         | 1,48        | 86.882         | 2,76        | 11.843         | 0,38        | 98.724         | 3,13         |
| <b>7. Goričan</b>           | <b>3.256</b> | <b>3.221</b> | <b>3.120</b> | <b>3.233</b> | <b>3.603</b> | <b>95.540</b>  | <b>3,03</b> | <b>15.251</b> | <b>0,48</b> | <b>110.791</b> | <b>3,51</b> | <b>90.780</b>  | <b>2,88</b> | <b>16.150</b> | <b>0,51</b> | <b>106.930</b> | <b>3,39</b> | <b>220.936</b> | <b>7,01</b> | <b>74.290</b>  | <b>1,47</b> | <b>267.448</b> | <b>8,48</b>  |
| Goričan                     |              | 3.256        | 3.221        | 3.120        | 3.233        | 93.448         | 2,96        | 15.251        | 0,48        | 108.699        | 3,45        | 89.331         | 2,83        | 16.150        | 0,51        | 105.481        | 3,34        | 220.936        | 7,01        | 46.512         | 1,47        | 267.448        | 8,48         |
| Granični prijelaz           |              |              |              |              |              | 2.092          | 0,07        |               |             | 2.092          | 0,07        | 1.449          | 0,05        |               |             | 1.449          | 0,05        |                |             |                |             |                |              |
| <b>8. Gornji Mihaljevec</b> | <b>2.221</b> | <b>2.227</b> | <b>2.038</b> | <b>2.015</b> | <b>1.938</b> | <b>64.405</b>  | <b>2,04</b> | <b>2.579</b>  | <b>0,08</b> | <b>66.984</b>  | <b>2,12</b> | <b>61.849</b>  | <b>1,96</b> | <b>3.338</b>  | <b>0,10</b> | <b>65.187</b>  | <b>2,07</b> | <b>101.835</b> | <b>3,23</b> | <b>15.355</b>  | <b>0,30</b> | <b>111.448</b> | <b>3,53</b>  |
| Badličan                    |              | 99           | 105          | 109          | 123          | 5.405          | 0,17        | 438           | 0,01        | 5.843          | 0,19        | 5.025          | 0,16        | 310           | 0,01        | 5.335          | 0,17        | 6.465          | 0,21        | 893            | 0,03        | 7.358          | 0,23         |
| Bogdanovec                  |              | 160          | 145          | 143          | 138          | 2.459          | 0,08        |               |             | 2.459          | 0,08        | 2.620          | 0,08        |               |             | 2.620          | 0,08        | 7.227          | 0,23        |                |             | 7.227          | 0,23         |
| Dragoslavac Breg            |              | 158          | 144          | 137          | 113          | 2.074          | 0,07        |               |             | 2.074          | 0,07        | 2.053          | 0,07        |               |             | 2.053          | 0,07        | 5.913          | 0,19        |                |             | 5.913          | 0,19         |
| Dragoslavac Selo            |              | 218          | 219          | 226          | 249          | 7.601          | 0,24        |               |             | 7.601          | 0,24        | 9.050          | 0,29        | 40            |             | 9.090          | 0,29        | 13.087         | 0,42        | 115            |             | 13.203         | 0,42         |
| Gornja Dubrava              |              | 301          | 248          | 249          | 253          | 7.713          | 0,24        |               |             | 7.713          | 0,24        | 6.075          | 0,19        |               |             | 6.075          | 0,19        | 13.271         | 0,42        |                |             | 13.271         | 0,42         |
| Gornji Mihaljevec           |              | 298          | 283          | 278          | 264          | 5.179          | 0,16        | 2.106         | 0,07        | 7.285          | 0,23        | 4.862          | 0,15        | 2.966         | 0,09        | 7.828          | 0,25        | 13.850         | 0,44        | 8.542          | 0,27        | 22.392         | 0,71         |
| Martinuševec                |              | 147          | 136          | 133          | 121          | 10.356         | 0,33        | 2             | 0,00        | 10.358         | 0,33        | 9.685          | 0,31        | 5             |             | 9.690          | 0,31        | 6.360          | 0,20        | 14             |             | 6.374          | 0,20         |
| Preseka                     |              | 77           | 70           | 64           | 46           | 586            | 0,02        | 1             | 0,00        | 587            | 0,02        | 1.236          | 0,04        | 16            |             | 1.252          | 0,04        | 2.418          | 0,08        | 46             |             | 2.464          | 0,08         |
| Prhovec                     |              | 183          | 163          | 161          | 153          | 2.242          | 0,07        |               |             | 2.242          | 0,07        | 2.466          | 0,08        |               |             | 2.466          | 0,08        | 8.015          | 0,25        |                |             | 8.015          | 0,25         |
| Tupkovec                    |              | 103          | 93           | 83           | 48           | 3.472          | 0,11        |               |             | 3.472          | 0,11        | 3.475          | 0,11        |               |             | 3.475          | 0,11        | 2.523          | 0,08        |                |             | 2.523          | 0,08         |
| Vugrišinec                  |              | 197          | 168          | 175          | 198          | 7.237          | 0,23        |               |             | 7.237          | 0,23        | 6.076          | 0,19        |               |             | 6.076          | 0,19        | 10.407         | 0,33        |                |             | 10.407         | 0,33         |
| Vukanovec                   |              | 286          | 264          | 257          | 234          | 10.081         | 0,32        | 32            | 0,00        | 10.113         | 0,32        | 9.226          | 0,29        | 1             | 0,00        | 9.227          | 0,29        | 12.299         | 0,39        | 3              |             | 12.302         | 0,39         |
| <b>9. Kotoriba</b>          | <b>3.360</b> | <b>3.579</b> | <b>3.084</b> | <b>3.307</b> | <b>4.040</b> | <b>92.894</b>  | <b>2,95</b> | <b>13.733</b> | <b>0,44</b> | <b>106.627</b> | <b>3,38</b> | <b>92.730</b>  | <b>2,94</b> | <b>16.053</b> | <b>0,51</b> | <b>108.783</b> | <b>3,45</b> | <b>247.702</b> | <b>7,85</b> | <b>73.844</b>  | <b>2,34</b> | <b>321.546</b> | <b>10,20</b> |
| Kotoriba                    |              | 3.360        | 3.579        | 3.084        | 3.307        | 92.894         | 2,95        | 13.733        | 0,44        | 106.627        | 3,38        | 92.730         | 2,94        | 16.053        | 0,51        | 108.783        | 3,45        | 247.702        | 7,85        | 46.233         | 1,47        | 293.935        | 9,32         |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>270/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadhevak:<br>17.11. 2009. |

|                          |               |               |               |               |               |                |              |               |             |                |              |                |              |               |             |                |              |                |              |                |             |                |              |
|--------------------------|---------------|---------------|---------------|---------------|---------------|----------------|--------------|---------------|-------------|----------------|--------------|----------------|--------------|---------------|-------------|----------------|--------------|----------------|--------------|----------------|-------------|----------------|--------------|
| <b>10. Mala Subotica</b> | <b>5.623</b>  | <b>5.689</b>  | <b>5.557</b>  | <b>5.874</b>  | <b>6.918</b>  | <b>127.968</b> | <b>4,06</b>  | <b>6.264</b>  | <b>0,20</b> | <b>134.232</b> | <b>4,26</b>  | <b>126.663</b> | <b>4,02</b>  | <b>6.760</b>  | <b>0,21</b> | <b>133.423</b> | <b>4,23</b>  | <b>363.584</b> | <b>11,53</b> | <b>31.096</b>  | <b>0,61</b> | <b>383.053</b> | <b>12,14</b> |
| Držimurec                |               | 793           | 938           | 1.110         | 1.675         | 12.075         | 0,38         | 439           | 0,01        | 12.514         | 0,40         | 11.568         | 0,37         | 524           | 0,02        | 12.092         | 0,38         | 88.012         | 2,79         | 1.509          | 0,05        | 89.521         | 2,84         |
| Mala Subotica            |               | 2.269         | 2.077         | 2.124         | 2.278         | 58.002         | 1,84         | 4.276         | 0,14        | 62.278         | 1,97         | 59.143         | 1,88         | 5.020         | 0,16        | 64.163         | 2,03         | 119.732        | 3,80         | 14.458         | 0,46        | 134.189        | 4,26         |
| Palovec                  |               | 1.132         | 1.116         | 1.150         | 1.262         | 22.909         | 0,73         | 850           | 0,03        | 23.759         | 0,75         | 21.947         | 0,70         | 542           | 0,02        | 22.489         | 0,71         | 66.304         | 2,10         | 1.561          | 0,05        | 67.865         | 2,15         |
| Strelec                  |               | 341           | 313           | 315           | 322           | 9.021          | 0,29         |               |             | 9.021          | 0,29         | 8.211          | 0,26         | 38            |             | 8.249          | 0,26         | 16.924         | 0,54         | 109            |             | 17.034         | 0,54         |
| Sveti Križ               |               | 347           | 379           | 407           | 498           | 12.911         | 0,41         | 30            | 0,00        | 12.941         | 0,41         | 12.665         | 0,40         | 25            | 0,00        | 12.690         | 0,40         | 26.149         | 0,83         | 72             |             | 26.221         | 0,83         |
| Štefanec                 |               | 807           | 734           | 769           | 884           | 13.050         | 0,41         | 669           | 0,02        | 13.719         | 0,44         | 13.129         | 0,42         | 611           | 0,02        | 13.740         | 0,44         | 46.463         | 1,47         | 1.760          | 0,06        | 48.223         | 1,53         |
| <b>11. Nedelišće</b>     | <b>10.289</b> | <b>11.248</b> | <b>11.050</b> | <b>12.373</b> | <b>16.719</b> | <b>386.615</b> | <b>12,26</b> | <b>21.402</b> | <b>0,68</b> | <b>408.017</b> | <b>12,94</b> | <b>366.375</b> | <b>11,62</b> | <b>22.062</b> | <b>0,70</b> | <b>388.437</b> | <b>12,31</b> | <b>931.924</b> | <b>29,55</b> | <b>101.485</b> | <b>2,01</b> | <b>995.462</b> | <b>31,57</b> |
| Črečan                   |               | 425           | 446           | 469           | 545           | 10.901         | 0,35         | 16            | 0,00        | 10.917         | 0,35         | 10.519         | 0,33         | 14            |             | 10.533         | 0,33         | 28.645         | 0,91         | 40             | 0,00        | 28.686         | 0,91         |
| Dunjkovec                |               | 850           | 895           | 992           | 1.311         | 29.227         | 0,93         | 266           | 0,01        | 29.493         | 0,94         | 28.398         | 0,90         | 349           | 0,01        | 28.747         | 0,91         | 68.880         | 2,18         | 1.005          | 0,03        | 69.885         | 2,22         |
| Gornji Hrašćan           |               | 902           | 858           | 903           | 1.050         | 18.390         | 0,58         | 1.973         | 0,06        | 20.363         | 0,65         | 17.789         | 0,56         | 1.047         | 0,03        | 18.836         | 0,60         | 55.188         | 1,75         | 3.015          | 0,10        | 58.203         | 1,85         |
| Gornji Kuršanec          |               | 720           | 741           | 866           | 1.278         | 28.792         | 0,91         | 952           | 0,03        | 29.744         | 0,94         | 28.031         | 0,89         | 1.262         | 0,04        | 29.293         | 0,93         | 67.172         | 2,13         | 3.635          | 0,12        | 70.806         | 2,25         |
| Macinec                  |               | 615           | 615           | 634           | 695           | 13.830         | 0,44         | 1.260         | 0,04        | 15.090         | 0,48         | 14.812         | 0,47         | 1.090         | 0,03        | 15.902         | 0,50         | 36.503         | 1,16         | 3.139          | 0,10        | 39.642         | 1,26         |
| Nedelišće                |               | 4.535         | 4.171         | 4.615         | 6.073         | 183.297        | 5,81         | 11.908        | 0,38        | 195.205        | 6,19         | 170.327        | 5,40         | 12.160        | 0,39        | 182.487        | 5,79         | 372.396        | 11,81        | 35.021         | 1,11        | 407.417        | 12,92        |
| Pretetinec               |               | 506           | 498           | 540           | 677           | 22.432         | 0,71         | 390           | 0,01        | 22.822         | 0,72         | 21.463         | 0,68         | 372           | 0,01        | 21.835         | 0,69         | 35.557         | 1,13         | 1.071          | 0,03        | 36.628         | 1,16         |
| Pušćine                  |               | 1.254         | 1.193         | 1.372         | 1.958         | 41.717         | 1,32         | 3.933         | 0,12        | 45.650         | 1,45         | 39.566         | 1,25         | 5.011         | 0,16        | 44.577         | 1,41         | 102.912        | 3,26         | 14.432         | 0,46        | 117.344        | 3,72         |
| Slakovec                 |               | 449           | 458           | 502           | 649           | 22.466         | 0,71         | 145           | 0,00        | 22.611         | 0,72         | 20.860         | 0,66         | 106           |             | 20.966         | 0,66         | 34.085         | 1,08         | 305            | 0,01        | 34.390         | 1,09         |
| Trnovec                  |               | 992           | 1.175         | 1.481         | 2.485         | 15.563         | 0,49         | 559           | 0,02        | 16.122         | 0,51         | 14.610         | 0,46         | 651           | 0,02        | 15.261         | 0,48         | 130.585        | 4,14         | 1.875          | 0,06        | 132.460        | 4,20         |
| <b>12. Orehovica</b>     | <b>2.941</b>  | <b>3.038</b>  | <b>2.355</b>  | <b>2.616</b>  | <b>3.473</b>  | <b>84.494</b>  | <b>2,68</b>  | <b>16.394</b> | <b>0,52</b> | <b>100.888</b> | <b>3,20</b>  | <b>77.998</b>  | <b>2,47</b>  | <b>16.445</b> | <b>0,52</b> | <b>94.443</b>  | <b>2,99</b>  | <b>182.515</b> | <b>5,79</b>  | <b>75.647</b>  | <b>1,50</b> | <b>229.876</b> | <b>7,29</b>  |
| Orehovica                |               | 1.761         | 1.291         | 1.513         | 2.242         | 38.898         | 1,23         | 16.214        | 0,51        | 55.112         | 1,75         | 35.592         | 1,13         | 16.228        | 0,51        | 51.820         | 1,64         | 117.840        | 3,74         | 46.737         | 1,48        | 164.576        | 5,22         |
| Podbrest                 |               | 747           | 652           | 689           | 810           | 28.409         | 0,90         | 161           | 0,01        | 28.570         | 0,91         | 26.133         | 0,83         | 193           | 0,01        | 26.326         | 0,83         | 42.547         | 1,35         | 556            | 0,02        | 43.103         | 1,37         |
| Vularija                 |               | 530           | 412           | 414           | 421           | 17.187         | 0,54         | 19            | 0,00        | 17.206         | 0,55         | 16.273         | 0,52         | 24            |             | 16.297         | 0,52         | 22.128         | 0,70         | 69             | 0,00        | 22.197         | 0,70         |
| <b>13. Podturen</b>      | <b>5.124</b>  | <b>4.663</b>  | <b>4.317</b>  | <b>4.420</b>  | <b>4.757</b>  | <b>89.286</b>  | <b>2,83</b>  | <b>3.796</b>  | <b>0,12</b> | <b>93.082</b>  | <b>2,95</b>  | <b>84.803</b>  | <b>2,69</b>  | <b>4.636</b>  | <b>0,14</b> | <b>89.439</b>  | <b>2,83</b>  | <b>250.002</b> | <b>7,93</b>  | <b>21.326</b>  | <b>0,42</b> | <b>263.353</b> | <b>8,35</b>  |
| Celine                   |               |               | 340           | 346           | 366           | 7.712          | 0,24         | 20            | 0,00        | 7.732          | 0,25         | 7.743          | 0,25         | 64            |             | 7.807          | 0,25         | 19.211         | 0,61         | 184            | 0,01        | 19.395         | 0,62         |
| Ferketinec               |               | 266           | 223           | 222           | 220           | 3.399          | 0,11         | 5             | 0,00        | 3.404          | 0,11         | 3.269          | 0,10         | 9             |             | 3.278          | 0,10         | 11.563         | 0,37         | 26             | 0,00        | 11.589         | 0,37         |
| Miklavec                 |               | 607           | 555           | 580           | 660           | 6.253          | 0,20         | 298           | 0,01        | 6.551          | 0,21         | 6.279          | 0,20         | 240           | 0,01        | 6.519          | 0,21         | 34.690         | 1,10         | 691            | 0,02        | 35.381         | 1,12         |
| Novakovec                |               | 1.068         | 977           | 987           | 1.021         | 18.070         | 0,57         | 101           | 0,00        | 18.171         | 0,58         | 16.687         | 0,53         | 545           | 0,02        | 17.232         | 0,55         | 53.637         | 1,70         | 1.570          | 0,05        | 55.207         | 1,75         |
| Podturen                 |               | 1.735         | 1.487         | 1.526         | 1.654         | 30.979         | 0,98         | 1.978         | 0,06        | 32.957         | 1,05         | 28.791         | 0,91         | 2.753         | 0,09        | 31.544         | 1,00         | 86.908         | 2,76         | 7.929          | 0,25        | 94.837         | 3,01         |
| Sivica                   |               | 987           | 735           | 759           | 837           | 22.873         | 0,73         | 1.394         | 0,04        | 24.267         | 0,77         | 22.034         | 0,70         | 1.025         | 0,03        | 23.059         | 0,73         | 43.993         | 1,40         | 2.952          | 0,09        | 46.945         | 1,49         |
| <b>13a. Pribislavec</b>  |               |               | <b>2.840</b>  | <b>2.314</b>  | <b>584</b>    | <b>88.744</b>  | <b>2,81</b>  | <b>8.508</b>  | <b>0,27</b> | <b>97.252</b>  | <b>3,08</b>  | <b>86.056</b>  | <b>2,73</b>  | <b>10.989</b> | <b>0,35</b> | <b>97.045</b>  | <b>3,08</b>  | <b>30.695</b>  | <b>0,97</b>  | <b>50.549</b>  | <b>1,00</b> | <b>62.343</b>  | <b>1,98</b>  |
| Pribislavec              |               |               | 2.840         | 2.314         | 584           | 88.744         | 2,81         | 8.508         | 0,27        | 97.252         | 3,08         | 86.056         | 2,73         | 10.989        | 0,35        | 97.045         | 3,08         | 30.695         | 0,97         | 31.648         | 1,00        | 62.343         | 1,98         |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadhevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>271/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                 |              |              |              |              |              |                |             |              |             |                |             |                |             |              |             |                |             |                |              |               |             |                |              |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|----------------|-------------|--------------|-------------|----------------|-------------|----------------|-------------|--------------|-------------|----------------|-------------|----------------|--------------|---------------|-------------|----------------|--------------|
| <b>14. Selnica</b>              | <b>3.413</b> | <b>3.320</b> | <b>3.275</b> | <b>3.407</b> | <b>3.842</b> | <b>94.875</b>  | <b>3,01</b> | <b>2.528</b> | <b>0,08</b> | <b>97.403</b>  | <b>3,09</b> | <b>94.371</b>  | <b>2,99</b> | <b>3.099</b> | <b>0,09</b> | <b>97.470</b>  | <b>3,08</b> | <b>201.936</b> | <b>6,40</b>  | <b>14.255</b> | <b>0,28</b> | <b>210.861</b> | <b>6,68</b>  |
| Bukovec                         |              | 192          | 181          | 195          | 241          | 5.822          | 0,18        | 9            | 0,00        | 5.831          | 0,18        | 5.796          | 0,18        | 26           |             | 5.822          | 0,18        | 12.667         | 0,40         | 75            |             | 12.742         | 0,40         |
| Donji Koncovčak                 |              | 337          | 303          | 348          | 495          | 9.960          | 0,32        | 333          | 0,01        | 10.293         | 0,33        | 9.870          | 0,31        | 328          | 0,01        | 10.198         | 0,32        | 26.017         | 0,83         | 945           | 0,03        | 26.962         | 0,85         |
| Donji Zebanec                   |              | 200          | 183          | 200          | 255          | 5.963          | 0,19        |              |             | 5.963          | 0,19        | 6.228          | 0,20        |              |             | 6.228          | 0,20        | 13.403         | 0,43         |               |             | 13.403         | 0,43         |
| Gornji Zebanec                  |              | 270          | 229          | 227          | 219          | 6.809          | 0,22        |              |             | 6.809          | 0,22        | 6.991          | 0,22        |              |             | 6.991          | 0,22        | 11.484         | 0,36         |               |             | 11.484         | 0,36         |
| Merhatovec                      |              | 172          | 156          | 150          | 132          | 4.941          | 0,16        |              |             | 4.941          | 0,16        | 4.953          | 0,16        |              |             | 4.953          | 0,16        | 6.938          | 0,22         |               |             | 6.938          | 0,22         |
| Plešivica                       |              | 110          | 118          | 108          | 76           | 3.558          | 0,11        | 130          | 0,00        | 3.688          | 0,12        | 2.896          | 0,09        | 161          | 0,01        | 3.057          | 0,10        | 3.995          | 0,13         | 464           | 0,01        | 4.458          | 0,14         |
| Praporčan                       |              | 218          | 176          | 181          | 196          | 5.791          | 0,18        |              |             | 5.791          | 0,18        | 5.365          | 0,17        |              |             | 5.365          | 0,17        | 10.275         | 0,33         |               |             | 10.275         | 0,33         |
| Selnica                         |              | 1.057        | 1.061        | 1.196        | 1.640        | 34.085         | 1,08        | 1.300        | 0,04        | 35.385         | 1,12        | 33.810         | 1,07        | 2.061        | 0,07        | 35.871         | 1,14        | 86.198         | 2,73         | 5.936         | 0,19        | 92.134         | 2,92         |
| Zaveščak                        |              | 301          | 229          | 234          | 250          | 5.210          | 0,17        |              |             | 5.210          | 0,17        | 5.291          | 0,17        |              |             | 5.291          | 0,17        | 13.140         | 0,42         |               |             | 13.140         | 0,42         |
| Zebanec                         |              |              |              |              |              | 1.154          | 0,04        |              |             | 1.154          | 0,04        | 1.092          | 0,03        | 260          |             | 1.352          | 0,03        |                | 0,00         | 749           | 0,02        | 749            | 0,02         |
| Zebanec Selo                    |              | 463          | 639          | 569          | 339          | 11.582         | 0,37        | 756          | 0,02        | 12.338         | 0,39        | 12.079         | 0,38        | 263          | 0,01        | 12.342         | 0,39        | 17.818         | 0,57         | 757           | 0,02        | 18.575         | 0,59         |
| <b>15. Strahoninec</b>          | <b>2.260</b> | <b>2.580</b> | <b>2.619</b> | <b>3.043</b> | <b>4.437</b> | <b>100.239</b> | <b>3,18</b> | <b>2.309</b> | <b>0,07</b> | <b>102.548</b> | <b>3,25</b> | <b>96.365</b>  | <b>3,06</b> | <b>2.324</b> | <b>0,07</b> | <b>98.689</b>  | <b>3,13</b> | <b>310.945</b> | <b>9,86</b>  | <b>10.690</b> | <b>0,21</b> | <b>317.638</b> | <b>10,07</b> |
| Strahoninec                     | 2.260        | 2.580        | 2.619        | 3.043        | 4.437        | 100.239        | 3,18        | 2.309        | 0,07        | 102.548        | 3,25        | 96.365         | 3,06        | 2.324        | 0,07        | 98.689         | 3,13        | 310.945        | 9,86         | 6.693         | 0,21        | 317.638        | 10,07        |
| <b>16. Sveta Marija</b>         | <b>2.794</b> | <b>2.601</b> | <b>2.387</b> | <b>2.429</b> | <b>2.569</b> | <b>72.622</b>  | <b>2,30</b> | <b>6.989</b> | <b>0,22</b> | <b>79.611</b>  | <b>2,52</b> | <b>70.696</b>  | <b>2,24</b> | <b>6.228</b> | <b>0,20</b> | <b>76.924</b>  | <b>2,44</b> | <b>135.000</b> | <b>4,28</b>  | <b>28.649</b> | <b>0,57</b> | <b>152.937</b> | <b>4,85</b>  |
| Donji Mihaljevec                |              | 766          | 731          | 751          | 815          | 22.300         | 0,71        | 1.029        | 0,03        | 23.329         | 0,74        | 22.719         | 0,72        | 1.111        | 0,04        | 23.830         | 0,76        | 42.836         | 1,36         | 3.200         | 0,10        | 46.036         | 1,46         |
| Sveta Marija                    |              | 1.835        | 1.656        | 1.679        | 1.754        | 50.322         | 1,60        | 5.960        | 0,19        | 56.282         | 1,78        | 47.977         | 1,52        | 5.117        | 0,16        | 53.094         | 1,68        | 92.164         | 2,92         | 14.737        | 0,47        | 106.901        | 3,39         |
| <b>17. Sveti Juraj na Bregu</b> | <b>4.657</b> | <b>5.012</b> | <b>5.170</b> | <b>5.685</b> | <b>7.378</b> | <b>218.688</b> | <b>6,93</b> | <b>4.877</b> | <b>0,15</b> | <b>223.565</b> | <b>7,09</b> | <b>213.848</b> | <b>6,78</b> | <b>6.667</b> | <b>0,21</b> | <b>220.515</b> | <b>6,99</b> | <b>387.788</b> | <b>12,30</b> | <b>30.668</b> | <b>0,61</b> | <b>406.989</b> | <b>12,91</b> |
| Brezje                          |              | 680          | 738          | 886          | 1.374        | 33.062         | 1,05        | 321          | 0,01        | 33.383         | 1,06        | 32.822         | 1,04        | 442          | 0,01        | 33.264         | 1,05        | 72.217         | 2,29         | 1.273         | 0,04        | 73.490         | 2,33         |
| Dragoslavec                     |              | 417          | 452          | 573          | 973          | 16.954         | 0,54        | 22           | 0,00        | 16.976         | 0,54        | 16.831         | 0,53        | 87           |             | 16.918         | 0,53        | 51.115         | 1,62         | 251           | 0,01        | 51.365         | 1,63         |
| Frkanovec                       |              | 345          | 324          | 334          | 366          | 14.257         | 0,45        | 98           | 0,00        | 14.355         | 0,46        | 13.550         | 0,43        | 63           |             | 13.613         | 0,43        | 19.237         | 0,61         | 181           | 0,01        | 19.418         | 0,62         |
| Lopatinec                       |              | 868          | 939          | 995          | 1.178        | 41.873         | 1,33        | 2.460        | 0,08        | 44.333         | 1,41        | 40.962         | 1,30        | 2.888        | 0,09        | 43.850         | 1,39        | 61.889         | 1,96         | 8.317         | 0,26        | 70.207         | 2,23         |
| Mali Mihaljevec                 |              | 401          | 453          | 510          | 699          | 17.934         | 0,57        | 136          | 0,00        | 18.070         | 0,57        | 15.420         | 0,49        | 1.290        | 0,04        | 16.710         | 0,53        | 36.739         | 1,17         | 3.715         | 0,12        | 40.455         | 1,28         |
| Okrugli Vrh                     |              | 402          | 385          | 376          | 346          | 17.747         | 0,56        | 43           | 0,00        | 17.790         | 0,56        | 19.256         | 0,61        | 27           |             | 19.283         | 0,61        | 18.186         | 0,58         | 78            | 0,00        | 18.264         | 0,58         |
| Pleškovec                       |              | 444          | 446          | 453          | 478          | 17.616         | 0,56        | 1.399        | 0,04        | 19.015         | 0,60        | 17.894         | 0,57        | 1.567        | 0,05        | 19.461         | 0,62        | 25.097         | 0,80         | 4.513         | 0,14        | 29.610         | 0,94         |
| Vučetinec                       |              | 558          | 569          | 641          | 878          | 25.862         | 0,82        | 3            | 0,00        | 25.865         | 0,82        | 25.628         | 0,81        | 10           |             | 25.638         | 0,81        | 46.148         | 1,46         | 29            | 0,00        | 46.176         | 1,46         |
| Zasadbreg                       |              | 897          | 864          | 916          | 1.088        | 33.383         | 1,06        | 395          | 0,01        | 33.778         | 1,07        | 31.485         | 1,00        | 293          | 0,01        | 31.778         | 1,01        | 57.159         | 1,81         | 844           | 0,03        | 58.003         | 1,84         |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>272/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   | Nadnevak:<br>17.11. 2009. |

|                                 |              |              |              |              |              |                |             |               |             |                |             |                |             |               |             |                |             |                |             |                |             |                |              |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|----------------|-------------|---------------|-------------|----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|--------------|
| <b>18. Sveti Martin na Muri</b> | <b>3.083</b> | <b>2.987</b> | <b>2.867</b> | <b>3.014</b> | <b>3.499</b> | <b>75.305</b>  | <b>2,39</b> | <b>66.671</b> | <b>2,11</b> | <b>141.976</b> | <b>4,50</b> | <b>77.316</b>  | <b>2,45</b> | <b>82.205</b> | <b>2,60</b> | <b>159.521</b> | <b>5,05</b> | <b>183.881</b> | <b>5,83</b> | <b>378.143</b> | <b>7,51</b> | <b>420.632</b> | <b>13,34</b> |
| Brezovec                        |              | 203          | 207          | 230          | 305          | 5.268          | 0,17        | 273           | 0,01        | 5.541          | 0,18        | 5.854          | 0,19        | 221           | 0,01        | 6.075          | 0,19        | 16.005         | 0,51        | 636            | 0,02        | 16.641         | 0,53         |
| Bukovje                         |              |              |              |              |              | 583            | 0,02        | 103           | 0,00        | 686            | 0,02        | 569            | 0,02        | 90            |             | 659            | 0,02        |                |             | 259            | 0,01        | 259            | 0,01         |
| Čestijanec                      |              | 120          | 113          | 114          | 118          | 2.078          | 0,07        |               |             | 2.078          | 0,07        | 2.015          | 0,06        |               |             | 2.015          | 0,06        | 6.176          | 0,20        |                |             | 6.176          | 0,20         |
| Gornji Koncovčak                |              | 122          | 110          | 107          | 98           | 2.397          | 0,08        |               |             | 2.397          | 0,08        | 2.253          | 0,07        |               |             | 2.253          | 0,07        | 5.151          | 0,16        |                |             | 5.151          | 0,16         |
| Gradišćak                       |              | 200          | 206          | 198          | 170          | 6.453          | 0,20        |               |             | 6.453          | 0,20        | 6.385          | 0,20        | 7.130         | 0,23        | 13.515         | 0,43        | 8.935          | 0,28        | 20.534         | 0,65        | 29.470         | 0,93         |
| Grkavešćak                      |              | 156          | 144          | 164          | 231          | 3.221          | 0,10        |               |             | 3.221          | 0,10        | 2.965          | 0,09        | 32.303        | 1,02        | 35.268         | 1,12        | 12.141         | 0,39        | 93.033         | 2,95        | 105.174        | 3,34         |
| Jurovčak                        |              | 194          | 195          | 207          | 245          | 8.916          | 0,28        | 19            | 0,00        | 8.935          | 0,28        | 8.646          | 0,27        | 68            |             | 8.714          | 0,27        | 12.851         | 0,41        | 196            | 0,01        | 13.047         | 0,41         |
| Jurovec                         |              | 248          | 266          | 283          | 338          | 5.492          | 0,17        | 220           | 0,01        | 5.712          | 0,18        | 5.921          | 0,19        | 204           | 0,01        | 6.125          | 0,19        | 17.765         | 0,56        | 588            | 0,02        | 18.353         | 0,58         |
| Kapelšćak                       |              | 156          | 173          | 174          | 176          | 3.253          | 0,10        |               |             | 3.253          | 0,10        | 4.053          | 0,13        |               |             | 4.053          | 0,13        | 9.251          | 0,29        |                |             | 9.251          | 0,29         |
| Lapšina                         |              | 216          | 168          | 196          | 288          | 3.524          | 0,11        | 80            | 0,00        | 3.604          | 0,11        | 3.566          | 0,11        |               |             | 3.566          | 0,11        | 15.137         | 0,48        |                |             | 15.137         | 0,48         |
| Marof                           |              | 131          | 107          | 100          | 77           | 2.863          | 0,09        |               |             | 2.863          | 0,09        | 2.391          | 0,08        |               |             | 2.391          | 0,08        | 4.047          | 0,13        |                |             | 4.047          | 0,13         |
| Sveti Martin na Muri            |              | 531          | 465          | 486          | 554          | 13.963         | 0,44        | 2.546         | 0,08        | 16.509         | 0,52        | 13.622         | 0,43        | 3.399         | 0,11        | 17.021         | 0,54        | 29.092         | 0,92        | 9.789          | 0,31        | 38.881         | 1,23         |
| Vrhovljan                       |              | 342          | 336          | 360          | 438          | 7.632          | 0,24        | 715           | 0,02        | 8.347          | 0,26        | 8.210          | 0,26        | 968           | 0,03        | 9.178          | 0,29        | 23.021         | 0,73        | 2.788          | 0,09        | 25.809         | 0,82         |
| Vučkovec                        |              |              |              |              |              | 107            | 0,00        | 62.524        | 1,98        | 62.631         | 1,99        | 133            | 0,00        | 37.716        | 1,20        | 37.849         | 1,20        |                |             | 108.622        | 3,44        | 108.622        | 3,44         |
| Žabnik                          |              | 368          | 377          | 397          | 463          | 9.555          | 0,30        | 191           | 0,01        | 9.746          | 0,31        | 10.733         | 0,34        | 106           |             | 10.839         | 0,34        | 24.309         | 0,77        | 305            | 0,01        | 24.614         | 0,78         |
| <b>19. Šenkovec</b>             | <b>2244</b>  | <b>2.537</b> | <b>2.671</b> | <b>3.050</b> | <b>4.297</b> | <b>124.995</b> | <b>3,96</b> | <b>29.695</b> | <b>0,94</b> | <b>154.690</b> | <b>4,91</b> | <b>126.967</b> | <b>4,03</b> | <b>33.114</b> | <b>1,05</b> | <b>160.081</b> | <b>5,07</b> | <b>260.168</b> | <b>8,25</b> | <b>152.324</b> | <b>3,02</b> | <b>355.536</b> | <b>11,27</b> |
| Knezovec                        |              | 376          | 408          | 401          | 380          | 15.249         | 0,48        | 76            | 0,00        | 15.325         | 0,49        | 15.176         | 0,48        | 47            |             | 15.223         | 0,48        | 19.947         | 0,63        | 135            | 0,00        | 20.082         | 0,64         |
| Šenkovec                        |              | 2.161        | 2.263        | 2.649        | 3.918        | 109.746        | 3,48        | 29.619        | 0,94        | 139.365        | 4,42        | 111.791        | 3,54        | 33.067        | 1,05        | 144.858        | 4,59        | 240.221        | 7,62        | 95.233         | 3,02        | 335.454        | 10,64        |
| <b>20. Štrigova</b>             | <b>3.870</b> | <b>3.493</b> | <b>2.946</b> | <b>3.077</b> | <b>3.509</b> | <b>120.240</b> | <b>3,81</b> | <b>10.086</b> | <b>0,32</b> | <b>130.326</b> | <b>4,13</b> | <b>112.953</b> | <b>3,58</b> | <b>11.256</b> | <b>0,35</b> | <b>124.209</b> | <b>3,94</b> | <b>184.407</b> | <b>5,85</b> | <b>51.778</b>  | <b>1,03</b> | <b>216.824</b> | <b>6,88</b>  |
| Banfi                           |              | 362          | 340          | 332          | 307          | 8.891          | 0,28        | 97            | 0,00        | 8.988          | 0,29        | 9.236          | 0,29        | 231           | 0,01        | 9.467          | 0,30        | 16.136         | 0,51        | 665            | 0,02        | 16.801         | 0,53         |
| Grabrovnik                      |              | 411          | 349          | 337          | 297          | 11.767         | 0,37        |               |             | 11.767         | 0,37        | 11.118         | 0,35        |               |             | 11.118         | 0,35        | 15.584         | 0,49        |                |             | 15.584         | 0,49         |
| Jalšovec                        |              | 200          | 170          | 178          | 203          | 5.978          | 0,19        |               |             | 5.978          | 0,19        | 5.421          | 0,17        |               |             | 5.421          | 0,17        | 10.670         | 0,34        |                |             | 10.670         | 0,34         |
| Leskovec                        |              | 147          | 96           | 107          | 144          | 2.682          | 0,09        |               |             | 2.682          | 0,09        | 2.560          | 0,08        |               |             | 2.560          | 0,08        | 7.569          | 0,24        |                |             | 7.569          | 0,24         |
| Prekopa                         |              | 265          | 253          | 260          | 283          | 9.070          | 0,29        | 55            | 0,00        | 9.125          | 0,29        | 8.566          | 0,27        | 49            |             | 8.615          | 0,27        | 14.874         | 0,47        | 141            | 0,00        | 15.016         | 0,48         |
| Robadje                         |              | 237          | 190          | 196          | 216          | 6.000          | 0,19        | 47            | 0,00        | 6.047          | 0,19        | 6.155          | 0,20        | 54            |             | 6.209          | 0,20        | 11.327         | 0,36        | 156            | 0,00        | 11.482         | 0,36         |
| Stanetinec                      |              | 210          | 173          | 186          | 227          | 11.710         | 0,37        | 109           | 0,00        | 11.819         | 0,37        | 11.235         | 0,36        | 349           | 0,01        | 11.584         | 0,37        | 11.931         | 0,38        | 1.005          | 0,03        | 12.936         | 0,41         |
| Sveti Urban                     |              | 610          | 549          | 585          | 705          | 24.198         | 0,77        | 771           | 0,02        | 24.969         | 0,79        | 24.426         | 0,77        | 860           | 0,03        | 25.286         | 0,80        | 37.055         | 1,18        | 2.477          | 0,08        | 39.532         | 1,25         |
| Štrigova                        |              | 558          | 400          | 418          | 477          | 16.218         | 0,51        | 7.531         | 0,24        | 23.749         | 0,75        | 14.758         | 0,47        | 8.214         | 0,26        | 22.972         | 0,73        | 25.045         | 0,79        | 23.656         | 0,75        | 48.701         | 1,54         |
| Železna Gora                    |              | 493          | 426          | 479          | 651          | 23.726         | 0,75        | 1.476         | 0,05        | 25.202         | 0,80        | 19.478         | 0,62        | 1.499         | 0,05        | 20.977         | 0,67        | 34.217         | 1,09        | 4.317          | 0,14        | 38.534         | 1,22         |
| <b>21. Vrtišinec</b>            | <b>2.336</b> | <b>2.394</b> | <b>2.076</b> | <b>2.216</b> | <b>2.676</b> | <b>61.959</b>  | <b>1,96</b> | <b>2.171</b>  | <b>0,07</b> | <b>64.130</b>  | <b>2,03</b> | <b>58.570</b>  | <b>1,86</b> | <b>2.907</b>  | <b>0,09</b> | <b>61.477</b>  | <b>1,95</b> | <b>140.651</b> | <b>1,30</b> | <b>13.372</b>  | <b>0,27</b> | <b>149.023</b> | <b>1,57</b>  |
| Gornji Kraljevec                |              | 874          | 652          | 682          | 783          | 19.594         | 0,62        | 327           | 0,01        | 19.921         | 0,63        | 18.430         | 0,58        | 679           | 0,02        | 19.109         | 0,61        | 41.128         | 1,30        | 1.956          | 0,06        | 43.084         | 1,37         |
| Vrtišinec                       |              | 1.520        | 1.424        | 1.534        | 1.894        | 42.365         | 1,34        | 1.844         | 0,06        | 44.209         | 1,40        | 40.140         | 1,27        | 2.228         | 0,07        | 42.368         | 1,34        | 99.522         |             | 6.417          | 0,20        | 105.939        | 0,20         |

NAPOMENE:

ZA IZRAČUN BR. STANOVNIKA ZA 2030. GODINU KORIŠTENI SU PODACI IZ  
PROSTORNIH PLANOVA:  
STOPA PROGNOZE ZA 2021. GODINU  
81/100.

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>273/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

### 5.3. Baze ulaznih podataka za hidraulički matematički model budućeg stanja

U nastavku su prezentirane baze ulaznih podataka za hidraulički matematički model budućeg stanja.

Hidrauličkim matematičkim modelom budućeg stanja obuhvaćeni su cjevovodi i objekti čiji pregled se daje tablicama u nastavku.

| TABLICA DIONICA CJEVOVODA - BUDUĆE STANJE |                 |                        |             |                 |                |
|---|-----------------|------------------------|-------------|-----------------|----------------|
| OZNAKADIONICE                             | VRSTA CJEVOVODA | UNUTARNJI PROMJER (mm) | DULJINA (m) | POČETNI ČVOR    | ZAVRŠNI ČVOR   |
| BL_14_izgradnja                           | PEHD DN 160     | 141,00                 | 369,92      | GC1             | GC2            |
| BL_32_izgradnja                           | PEHD DN 160     | 141,00                 | 240,00      | PC2439          | PC2502         |
| BL1_izgradnja                             | PEHD DN 225     | 198,20                 | 561,16      | BC5             | BC7            |
| BL1A_izgradnja                            | PEHD DN 225     | 198,20                 | 130,00      | VS-Zelezna_Gora | PC136D         |
| BL101_izgradnja                           | PEHD DN 160     | 141,00                 | 157,90      | GC11            | GC9            |
| BL11                                      | DUCTIL DN 250   | 250,00                 | 100,00      | BC6             | PC136          |
| BL127_izgradnja                           | PEHD DN 160     | 141,00                 | 783,13      | GC13            | GC11           |
| BL13_izgradnja                            | PEHD DN 225     | 198,20                 | 100,00      | VT-Sveti_Urban  | PC48           |
| BL14                                      | PEHD DN 225     | 198,20                 | 50,00       | VT-Frkanovec    | PC735A         |
| BL15                                      | PEHD DN 225     | 198,20                 | 50,00       | BC735A          | VT-Frkanovec   |
| BL16                                      | PEHD DN 225     | 198,20                 | 50,00       | PC735A          | PC736B         |
| BL17                                      | PEHD DN 160     | 141,00                 | 50,00       | 11              | VS-Dragoslavec |
| BL18                                      | PEHD DN 160     | 141,00                 | 50,00       | VS-Dragoslavec  | 12             |
| BL19_izgradnja                            | PEHD DN 160     | 141,00                 | 290,00      | 3               | PC2879         |
| BL2_izgradnja                             | DUCTIL DN 300   | 301,60                 | 20,57       | GC18            | GC29           |
| BL20_izgradnja                            | PEHD DN 225     | 198,60                 | 590,00      | PC2267          | 4              |
| BL22a_izgradnja                           | PEHD DN 225     | 198,20                 | 2246,00     | GC36            | 32             |
| BL22b_izgradnja                           | PEHD DN 225     | 198,20                 | 2500,00     | GC35            | 32             |
| BL24_izgradnja                            | PEHD DN 280     | 250,00                 | 100,00      | PC3151          | VT-Dekanovec   |
| BL25_izgradnja                            | PEHD DN 225     | 198,60                 | 100,00      | PC4452          | VT-Kotoriba    |
| BL25_izgradnja_Vodoprojekt                | PEHD DN 160     | 141,00                 | 50,00       | PC644           | PC644B         |
| BL275_izgradnja                           | DUCTIL DN 300   | 301,60                 | 4212,08     | GC18            | GC19           |
| BL285_izgradnja                           | PEHD DN 160     | 141,00                 | 515,01      | GC22            | GC23           |
| BL2870_izgradnja                          | DUCTIL DN 300   | 301,60                 | 233,36      | PC2640          | PC2641         |
| BL289_izgradnja                           | PEHD DN 160     | 141,00                 | 438,69      | GC23            | GC24           |
| BL292_izgradnja                           | PEHD DN 160     | 141,00                 | 241,75      | GC26            | GC4            |
| BL2a_izgradnja                            | PEHD DN 225     | 198,20                 | 590,00      | BC1             | BC270          |
| BL3_izgradnja                             | PEHD DN 225     | 198,20                 | 366,15      | BC270           | BC272          |
| BL30_izgradnja                            | PEHD DN 160     | 141,00                 | 1039,63     | GC21            | GC20           |
| BL31_izgradnja_Vodoprojekt                | PEHD DN 225     | 198,20                 | 250,00      | VT-Bukovec      | 5              |
| BL315_izgradnja                           | DUCTIL DN 300   | 301,60                 | 1794,40     | GC29            | GC30           |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>274/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE |

|                                     |               |        |         |         |             |
|-------------------------------------|---------------|--------|---------|---------|-------------|
| BL316_izgradnja                     | PEHD DN 225   | 198,20 | 757,33  | GC31    | GC32        |
| BL32_izgradnja                      | DUCTIL DN 400 | 402,80 | 300,00  | PC2267  | VT-Čakovec2 |
| BL321_izgradnja                     | DUCTIL DN 300 | 301,60 | 191,42  | SC306   | GC31        |
| BL333_izgradnja                     | PEHD DN 160   | 141,00 | 360,04  | GC2     | GC26        |
| BL334_izgradnja                     | PEHD DN 160   | 141,00 | 215,46  | GC3     | GC23        |
| BL335_izgradnja                     | PEHD DN 160   | 141,00 | 170,82  | GC11    | GC12        |
| BL336_izgradnja                     | PEHD DN 160   | 141,00 | 212,88  | GC9     | GC10        |
| BL337_izgradnja                     | PEHD DN 160   | 141,00 | 539,00  | GC6     | GC8         |
| BL337A_izgradnja                    | PEHD DN 160   | 141,00 | 330,00  | GC25    | GC7         |
| BL337B_izgradnja                    | PEHD DN 160   | 141,00 | 165,00  | GC7     | GC26        |
| BL338_izgradnja                     | PEHD DN 160   | 141,00 | 99,61   | GC4     | GC5         |
| BL339_izgradnja                     | PEHD DN 160   | 141,00 | 326,29  | GC3     | GC4         |
| BL339A_izgradnja                    | PEHD DN 160   | 141,00 | 225,00  | GC3     | GC24        |
| BL339B_izgradnja                    | PEHD DN 160   | 141,00 | 32,00   | GC24    | GC2         |
| 7_izgradnja_<br>Vodoprojekt         | PEHD DN 225   | 198,20 | 50,00   | PC1271  | 26          |
| BL341_izgradnja                     | PEHD DN 160   | 141,00 | 251,97  | GC1     | GC6         |
| BL342A_izgradnja                    | PEHD DN 160   | 141,00 | 92,25   | GC6     | GC7         |
| BL4_izgradnja                       | PEHD DN 225   | 198,20 | 238,91  | BC272   | BC274       |
| BL5                                 | PEHD DN 225   | 198,20 | 230,10  | BC274   | BC276       |
| BL5_izgradnja                       | DUCTIL DN 300 | 301,60 | 2634,15 | GC33    | SC306       |
| BL6_izgradnja                       | PEHD DN 225   | 198,20 | 9,17    | BC276   | BC277       |
| BL7_izgradnja                       | PEHD DN 225   | 198,20 | 71,63   | BC277   | BC282       |
| BL8                                 | PEHD DN 225   | 198,20 | 250,00  | 6       | VT-Bukovec  |
| BL9_izgradnja                       | DUCTIL DN 250 | 250,00 | 1676,87 | GC17    | BC6         |
| BL93_izgradnja                      | PEHD DN 160   | 141,00 | 165,83  | GC9     | GC1         |
| BL35_rekonstrukc_<br>Vodoprojekt    | PEHD DN 225   | 198,20 | 18,34   | PC735A  | PC734A      |
| PL1                                 | PEHD DN 63    | 55,40  | 119,11  | PC2     | PC1         |
| PL10                                | PEHD DN 40    | 35,20  | 25,74   | PC10    | PC11        |
| PL100                               | PVC DN 110    | 101,60 | 560,91  | PC98    | PC100A      |
| PL1000                              | PEHD DN 63    | 55,40  | 427,38  | PC999   | PC1000      |
| PL1001                              | PVC DN 110    | 101,60 | 663,76  | PC998   | PC1001      |
| PL1001A                             | DUCTIL DN 300 | 300,00 | 160,35  | PC1001B | PC1001A     |
| PL1001B                             | DUCTIL DN 300 | 300,00 | 327,37  | PC1001A | PC1014      |
| PL1002                              | PVC DN 110    | 101,60 | 279,01  | PC1001  | PC1002      |
| PL1003                              | PEHD DN 90    | 79,20  | 133,49  | PC1002  | PC1003      |
| PL1004                              | PVC DN 110    | 101,60 | 303,38  | PC1002  | PC1004      |
| PL1005_rekonstrukc_<br>Vodoprojekt  | DUCTIL DN 350 | 350,00 | 1222,41 | PC1007  | PC988       |
| PL1006                              | PEHD DN 90    | 79,20  | 265,47  | PC1005  | PC1006      |
| PL1007_rekonstrukc_<br>Vodoprojekt  | DUCTIL DN 350 | 350,00 | 42,62   | PC1008  | PC1007      |
| PL1008A_rekonstrukc_<br>Vodoprojekt | DUCTIL DN 350 | 350,00 | 26,21   | PC1009A | PC1008      |
| PL1009                              | DUCTIL DN 400 | 400,00 | 29,41   | PC1010  | PC1011      |
| PL100A                              | PVC DN 110    | 101,60 | 141,50  | PC100B  | PC100       |
| PL101                               | PEHD DN 90    | 79,20  | 537,58  | PC100   | PC101       |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><b>STUDIJA RAZVITKA</b><br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Stranica:<br>275/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|                                    |               |        |         |         |         |
|------------------------------------|---------------|--------|---------|---------|---------|
| PL1010                             | DUCTIL DN 400 | 400,00 | 19,75   | PC1012  | PC1010  |
| PL1011                             | DUCTIL DN 300 | 300,00 | 36,28   | PC1014  | PC1013  |
| PL1012                             | PVC DN 110    | 101,60 | 572,41  | PC1007A | PC996   |
| PL1013                             | PEHD DN 110   | 96,80  | 164,68  | PC1015  | PC1016  |
| PL1013a                            | PEHD DN 110   | 96,80  | 120,00  | PC992   | PC1015  |
| PL1014                             | PEHD DN 63    | 55,40  | 368,62  | PC1016  | PC1017  |
| PL1015                             | PEHD DN 25    | 21,40  | 28,28   | PC1017  | PC1018  |
| PL1016                             | PEHD DN 63    | 55,40  | 135,75  | PC1017  | PC1019  |
| PL1017                             | PEHD DN 110   | 96,80  | 42,06   | PC1016  | PC1020  |
| PL1018                             | PVC DN 110    | 101,60 | 154,84  | PC1020  | PC1021  |
| PL1019                             | PEHD DN 90    | 79,20  | 262,32  | PC1021  | PC1005  |
| PL102                              | PEHD DN 63    | 55,40  | 362,98  | PC101   | PC102   |
| PL1020                             | PEHD DN 110   | 96,80  | 280,39  | PC1021  | PC1022  |
| PL1021                             | PVC DN 110    | 101,60 | 197,92  | PC1022  | PC1023  |
| PL1022                             | PVC DN 110    | 101,60 | 98,42   | PC1023  | PC1024  |
| PL1023                             | PEHD DN 110   | 96,80  | 531,16  | PC1023  | PC1025  |
| PL1024                             | PVC DN 110    | 101,60 | 404,70  | PC1022B | PC1026  |
| PL1025                             | PVC DN 110    | 101,60 | 26,62   | PC1026  | PC1027  |
| PL1026                             | PEHD DN 110   | 96,80  | 221,05  | PC1028A | PC1026  |
| PL1027                             | PVC DN 160    | 147,60 | 395,16  | PC1022B | PC1028  |
| PL1028                             | PVC DN 160    | 147,60 | 243,04  | PC1029  | PC1028  |
| PL1029                             | PVC DN 160    | 147,60 | 66,89   | PC1007B | PC1029  |
| PL103                              | PVC DN 110    | 101,60 | 1195,56 | PC100   | PC103   |
| PL1030                             | PVC DN 110    | 101,60 | 245,82  | PC1029  | PC1030  |
| PL1031                             | PEHD DN 90    | 79,20  | 96,92   | PC1030  | PC1031  |
| PL1032                             | PEHD DN 90    | 79,20  | 24,78   | PC1031  | PC1032  |
| PL1033                             | PEHD DN 90    | 79,20  | 119,86  | PC1031  | PC1033  |
| PL1034                             | PEHD DN 110   | 96,80  | 302,89  | PC1030  | PC1034  |
| PL1035                             | PEHD DN 90    | 79,20  | 274,84  | PC1035  | PC1034  |
| PL1036                             | PVC DN 110    | 101,60 | 521,90  | PC1036  | PC1034  |
| PL1037                             | DUCTIL DN 300 | 300,00 | 945,42  | PC1037  | PC1001B |
| PL1038                             | PVC DN 110    | 101,60 | 713,26  | PC1004  | PC1038A |
| PL1039                             | DUCTIL DN 400 | 400,00 | 137,12  | PC1037  | PC1038  |
| PL104                              | PEHD DN 90    | 79,20  | 198,58  | PC103   | PC104   |
| PL1040                             | PVC DN 110    | 101,60 | 173,11  | PC1038A | PC1039  |
| PL1041                             | DUCTIL DN 300 | 300,00 | 266,99  | PC1040  | PC1037  |
| PL1042                             | PEHD DN 160   | 141,00 | 30,97   | PC1042  | PC1041  |
| PL1043                             | PEHD DN 110   | 96,80  | 14,29   | PC1041  | PC1043  |
| PL1044                             | PEHD DN 90    | 79,20  | 311,36  | PC1043  | PC1044  |
| PL1045                             | PEHD DN 160   | 141,00 | 304,33  | PC1041  | PC1045  |
| PL1046_rekonstrukc_<br>Vodoprojekt | PEHD DN 110   | 96,80  | 169,18  | PC1045  | PC1046  |
| PL1047                             | PEHD DN 160   | 141,00 | 158,00  | PC1045  | PC1047  |
| PL1048                             | PEHD DN 110   | 96,80  | 7,83    | PC1047  | PC1048  |
| PL1049                             | PVC DN 110    | 101,60 | 94,77   | PC1048  | PC1049  |
| PL105                              | PEHD DN 90    | 79,20  | 476,73  | PC104   | PC105   |
| PL1050                             | PEHD DN 160   | 141,00 | 236,42  | PC1047  | PC1050  |
| PL1051                             | DUCTIL DN 400 | 400,00 | 788,43  | PC1038  | PC1051  |
| PL1052                             | PEHD DN 110   | 96,80  | 411,86  | PC1050  | PC1057  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>276/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                       |               |        |         |        |         |
|-----------------------|---------------|--------|---------|--------|---------|
| PL1053                | PEHD DN 160   | 141,00 | 460,31  | PC1050 | PC1052  |
| PL1054                | PEHD DN 160   | 141,00 | 230,33  | PC1052 | PC1053  |
| PL1055                | PVC DN 110    | 101,60 | 198,26  | PC1052 | PC1054  |
| PL1056                | PVC DN 110    | 101,60 | 17,52   | PC1054 | PC1055  |
| PL1057                | PVC DN 110    | 101,60 | 169,28  | PC1054 | PC1056  |
| PL1059                | PVC DN 110    | 101,60 | 151,23  | PC1004 | PC1058  |
| PL106                 | PEHD DN 63    | 55,40  | 239,95  | PC105  | PC106   |
| PL1060                | PVC DN 110    | 101,60 | 204,79  | PC1058 | PC1059  |
| PL1061                | PEHD DN 110   | 96,80  | 755,97  | PC1058 | PC1060A |
| PL1062                | PVC DN 110    | 101,60 | 242,64  | PC1061 | PC1060  |
| PL1063                | DUCTIL DN 400 | 400,00 | 459,94  | PC1051 | PC1062  |
| PL1064                | PEHD DN 110   | 96,80  | 179,70  | PC1062 | PC1060  |
| PL1065                | DUCTIL DN 400 | 400,00 | 988,30  | PC1062 | PC1063  |
| PL1066_rekonstrukcija | DUCTIL DN 250 | 250,40 | 558,76  | PC1065 | PC452   |
| PL1067                | PVC DN 110    | 101,60 | 1036,51 | PC1065 | PC1066  |
| PL1068_rekonstrukcija | DUCTIL DN 250 | 250,40 | 1218,91 | PC1067 | PC1065  |
| PL1069_rekonstrukcija | DUCTIL DN 250 | 250,40 | 658,93  | PC1068 | PC1067  |
| PL107                 | PEHD DN 90    | 79,20  | 877,40  | PC105  | PC107   |
| PL1070                | PVC DN 160    | 147,60 | 173,14  | PC1067 | PC1069  |
| PL1071                | PVC DN 110    | 101,60 | 228,70  | PC1069 | PC1070  |
| PL1072                | PVC DN 110    | 101,60 | 204,80  | PC1070 | PC1071  |
| PL1073                | PVC DN 160    | 147,60 | 142,19  | PC1069 | PC1072  |
| PL1074                | PVC DN 160    | 147,60 | 215,23  | PC1072 | PC1073  |
| PL1075                | PVC DN 110    | 101,60 | 144,27  | PC1073 | PC1070  |
| PL1076                | PVC DN 160    | 147,60 | 477,00  | PC1074 | PC1073  |
| PL1077                | PVC DN 110    | 101,60 | 305,10  | PC1074 | PC1075  |
| PL1078                | PVC DN 110    | 101,60 | 227,49  | PC1075 | PC1076  |
| PL1079                | PVC DN 110    | 101,60 | 238,49  | PC1075 | PC1077  |
| PL108                 | PEHD DN 63    | 55,40  | 298,28  | PC108  | PC109A  |
| PL1080                | PEHD DN 110   | 96,80  | 166,96  | PC1077 | PC1078  |
| PL1081                | PVC DN 160    | 147,60 | 281,74  | PC1079 | PC1074  |
| PL1082                | PVC DN 110    | 101,60 | 134,78  | PC1079 | PC1080  |
| PL1083                | PVC DN 110    | 101,60 | 140,36  | PC1080 | PC1081  |
| PL1084                | PVC DN 110    | 101,60 | 48,88   | PC1080 | PC1082  |
| PL1085                | PEHD DN 110   | 96,80  | 94,00   | PC1082 | PC1083  |
| PL1086                | PVC DN 110    | 101,60 | 207,62  | PC1082 | PC1084  |
| PL1087                | PVC DN 160    | 147,60 | 122,08  | PC1085 | PC1079  |
| PL1088                | PVC DN 110    | 101,60 | 209,82  | PC1085 | PC1086  |
| PL1089                | PVC DN 160    | 147,60 | 57,88   | PC1087 | PC1085  |
| PL108A                | PVC DN 110    | 101,60 | 110,10  | PC109C | PC109   |
| PL108C                | PVC DN 110    | 101,60 | 186,93  | PC108  | PC109B  |
| PL109                 | PEHD DN 63    | 55,40  | 125,08  | PC109A | PC110   |
| PL1090                | PVC DN 110    | 101,60 | 25,43   | PC1087 | PC1088  |
| PL1091                | PVC DN 160    | 147,60 | 50,87   | PC1089 | PC1087  |
| PL1092                | PVC DN 110    | 101,60 | 220,93  | PC1089 | PC1090  |
| PL1093                | PVC DN 110    | 101,60 | 32,18   | PC1090 | PC1091  |
| PL1094                | PVC DN 110    | 101,60 | 137,06  | PC1090 | PC1092  |
| PL1095                | PVC DN 110    | 101,60 | 213,47  | PC1092 | PC1093  |
| PL1096                | PVC DN 110    | 101,60 | 49,42   | PC1092 | PC1094  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>277/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL1097                | PVC DN 110  | 101,60 | 53,07   | PC1094 | PC1095 |
| PL1098                | PVC DN 110  | 101,60 | 153,88  | PC1094 | PC1096 |
| PL1099                | PEHD DN 110 | 96,80  | 307,05  | PC1096 | PC1097 |
| PL11                  | PEHD DN 40  | 35,20  | 194,19  | PC10   | PC12   |
| PL110                 | PEHD DN 110 | 96,80  | 342,90  | PC109  | PC111  |
| PL1100                | PVC DN 160  | 147,60 | 157,97  | PC1098 | PC1089 |
| PL1101                | PVC DN 110  | 101,60 | 323,55  | PC1098 | PC1099 |
| PL1102                | PVC DN 160  | 147,60 | 266,96  | PC1100 | PC1098 |
| PL1103                | PVC DN 110  | 101,60 | 225,61  | PC1100 | PC1101 |
| PL1104                | PVC DN 160  | 147,60 | 123,01  | PC1102 | PC1100 |
| PL1105                | PVC DN 110  | 101,60 | 318,65  | PC1102 | PC1103 |
| PL1106                | PVC DN 160  | 147,60 | 315,69  | PC1068 | PC1102 |
| PL1107_rekonstrukcija | PEHD DN 225 | 198,20 | 1228,71 | PC1105 | PC1104 |
| PL1108                | PVC DN 225  | 207,80 | 127,47  | 27     | PC1106 |
| PL1109                | PVC DN 110  | 101,60 | 125,14  | PC1106 | PC1107 |
| PL920A                | PEHD DN 110 | 96,80  | 265,23  | PC918A | PC919  |
| PL111                 | PVC DN 160  | 147,60 | 1199,38 | PC112  | PC108  |
| PL1110                | PVC DN 225  | 207,80 | 1234,51 | PC1106 | PC1108 |
| PL1111                | PVC DN 110  | 101,60 | 122,47  | PC1108 | PC1109 |
| PL1112                | PVC DN 110  | 101,60 | 187,71  | PC1109 | PC1110 |
| PL1113                | PVC DN 110  | 101,60 | 142,69  | PC1109 | PC1111 |
| PL1114                | PVC DN 225  | 207,80 | 115,79  | PC1108 | PC1112 |
| PL1115                | PVC DN 110  | 101,60 | 108,55  | PC1112 | PC1113 |
| PL1116                | PVC DN 225  | 207,80 | 155,56  | PC1112 | PC1114 |
| PL1117                | PVC DN 225  | 207,80 | 6,37    | PC1115 | PC1105 |
| PL1118                | PVC DN 110  | 101,60 | 185,95  | PC1115 | PC1116 |
| PL1119                | PVC DN 110  | 101,60 | 98,92   | PC1116 | PC1117 |
| PL112                 | PVC DN 110  | 101,60 | 451,25  | PC112  | PC115  |
| PL1120                | PEHD DN 110 | 96,80  | 389,74  | PC1116 | PC1118 |
| PL1121_rekonstrukcija | PEHD DN 225 | 198,20 | 552,49  | PC1119 | PC1115 |
| PL1122_rekonstrukcija | PEHD DN 225 | 198,20 | 158,20  | PC1120 | PC1119 |
| PL1123                | PVC DN 110  | 101,60 | 187,14  | PC1120 | PC1121 |
| PL1124                | PVC DN 110  | 101,60 | 432,31  | PC1122 | PC1119 |
| PL1125                | PVC DN 110  | 101,60 | 369,18  | PC1125 | PC1122 |
| PL1126_rekonstrukcija | PEHD DN 225 | 198,20 | 310,94  | PC1123 | PC1120 |
| PL1127                | PVC DN 110  | 101,60 | 104,31  | PC1124 | PC1123 |
| PL1128_rekonstrukcija | PEHD DN 225 | 198,20 | 52,99   | PC1125 | PC1123 |
| PL1129_rekonstrukcija | PEHD DN 225 | 198,20 | 1898,13 | PC1126 | PC1125 |
| PL113                 | PEHD DN 63  | 55,40  | 153,33  | PC113  | PC114  |
| PL1130                | PVC DN 160  | 147,60 | 1454,21 | PC1126 | PC1127 |
| PL1131                | PVC DN 160  | 147,60 | 461,94  | PC1127 | PC1128 |
| PL1132                | PVC DN 160  | 147,60 | 415,51  | PC1136 | PC1129 |
| PL1133                | PVC DN 110  | 101,60 | 70,68   | PC1129 | PC1130 |
| PL1134                | PVC DN 110  | 101,60 | 265,96  | PC1130 | PC1131 |
| PL1135                | PVC DN 110  | 101,60 | 675,12  | PC1132 | PC1130 |
| PL1136                | PEHD DN 50  | 44,00  | 69,62   | PC1132 | PC1133 |
| PL1137                | PVC DN 110  | 101,60 | 71,46   | PC1134 | PC1132 |
| PL1138                | PVC DN 110  | 101,60 | 243,18  | PC1135 | PC1129 |
| PL1139                | PVC DN 160  | 147,60 | 1260,17 | PC1136 | PC1137 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>278/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                |             |        |         |        |        |
|--------------------------------|-------------|--------|---------|--------|--------|
| PL114                          | PVC DN 110  | 101,60 | 398,79  | PC115A | PC113  |
| PL1140                         | PVC DN 110  | 101,60 | 201,48  | PC1137 | PC1138 |
| PL1141                         | PVC DN 160  | 147,60 | 96,43   | PC1139 | PC1137 |
| PL1142                         | PVC DN 110  | 101,60 | 186,32  | PC1139 | PC1140 |
| PL1143                         | PVC DN 160  | 147,60 | 991,99  | PC1141 | PC1139 |
| PL1144                         | PVC DN 110  | 101,60 | 355,45  | PC1141 | PC1142 |
| PL1145                         | PVC DN 110  | 101,60 | 280,92  | PC1142 | PC1143 |
| PL1146                         | PVC DN 110  | 101,60 | 96,85   | PC1142 | PC1144 |
| PL1147                         | PVC DN 110  | 101,60 | 117,94  | PC1144 | PC1145 |
| PL1148                         | PVC DN 110  | 101,60 | 320,33  | PC1145 | PC1146 |
| PL1149                         | PVC DN 110  | 101,60 | 284,08  | PC1145 | PC1147 |
| PL115                          | PVC DN 160  | 147,60 | 213,00  | PC112  | PC116  |
| PL1150                         | PVC DN 110  | 101,60 | 357,53  | PC1147 | PC1148 |
| PL1151                         | PVC DN 110  | 101,60 | 259,43  | PC1147 | PC1149 |
| PL1152                         | PVC DN 110  | 101,60 | 231,92  | PC1150 | PC1144 |
| PL1153                         | PVC DN 110  | 101,60 | 261,11  | PC1151 | PC1150 |
| PL1154                         | PVC DN 110  | 101,60 | 130,87  | PC1141 | PC1151 |
| PL1155                         | PVC DN 110  | 101,60 | 115,20  | PC1151 | PC1152 |
| PL1156                         | PEHD DN 63  | 55,40  | 127,87  | PC1152 | PC1153 |
| PL1157                         | PVC DN 110  | 101,60 | 193,70  | PC1152 | PC1154 |
| PL1158                         | PVC DN 110  | 101,60 | 290,81  | PC1150 | PC1155 |
| PL1159_rekonstrukc_Vodoprojekt | PEHD DN 110 | 96,80  | 952,68  | PC1155 | PC1156 |
| PL116                          | PVC DN 110  | 101,60 | 676,83  | PC116  | PC117  |
| PL1160                         | PVC DN 160  | 147,60 | 994,56  | PC1157 | PC1141 |
| PL1161                         | PVC DN 110  | 101,60 | 302,10  | PC1157 | PC1158 |
| PL1162                         | PVC DN 110  | 101,60 | 220,60  | PC1158 | PC1159 |
| PL1163                         | PVC DN 110  | 101,60 | 124,56  | PC1160 | PC1159 |
| PL1164                         | PVC DN 110  | 101,60 | 407,08  | PC1160 | PC1161 |
| PL1165                         | PEHD DN 63  | 55,40  | 49,97   | PC1161 | PC1162 |
| PL1166                         | PVC DN 110  | 101,60 | 229,14  | PC1163 | PC1161 |
| PL1167                         | PVC DN 110  | 101,60 | 401,96  | PC1159 | PC1163 |
| PL1168                         | PVC DN 110  | 101,60 | 652,29  | PC1163 | PC1158 |
| PL1169                         | PVC DN 160  | 147,60 | 865,15  | PC1164 | PC1157 |
| PL117                          | PEHD DN 32  | 28,20  | 45,86   | PC117  | PC118  |
| PL1170                         | PEHD DN 160 | 141,00 | 1097,58 | PC1166 | PC1165 |
| PL1171                         | PEHD DN 225 | 198,20 | 1399,25 | PC1166 | PC3234 |
| PL1172                         | PEHD DN 225 | 198,20 | 193,59  | PC1168 | PC1166 |
| PL1173                         | PEHD DN 110 | 96,80  | 163,57  | PC1168 | PC1169 |
| PL1174                         | PEHD DN 225 | 198,20 | 156,82  | PC1170 | PC1168 |
| PL1175                         | PEHD DN 110 | 96,80  | 90,38   | PC1170 | PC1171 |
| PL1176                         | PEHD DN 225 | 198,20 | 714,13  | PC1172 | PC1170 |
| PL1177                         | PEHD DN 110 | 96,80  | 367,66  | PC1172 | PC1173 |
| PL1178                         | PEHD DN 110 | 96,80  | 249,12  | PC1172 | PC1174 |
| PL1179                         | PEHD DN 110 | 96,80  | 153,29  | PC1174 | PC1175 |
| PL118                          | PVC DN 110  | 101,60 | 337,72  | PC117  | PC119  |
| PL1180                         | PEHD DN 110 | 96,80  | 218,85  | PC1174 | PC1176 |
| PL1181                         | PEHD DN 225 | 198,20 | 1138,24 | PC1172 | PC1177 |
| PL1182                         | PEHD DN 225 | 198,20 | 94,41   | PC1177 | PC1178 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.grad. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>279/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL1183                | PEHD DN 225 | 198,20 | 592,49  | PC1178 | PC1179 |
| PL1184                | PEHD DN 160 | 141,00 | 427,60  | PC1179 | PC1180 |
| PL1185                | PEHD DN 110 | 96,80  | 543,18  | PC1180 | PC1181 |
| PL1186                | PEHD DN 160 | 141,00 | 318,48  | PC1180 | PC1182 |
| PL1187                | PEHD DN 160 | 141,00 | 46,85   | PC1182 | PC1183 |
| PL1188                | PEHD DN 160 | 141,00 | 19,28   | PC1183 | PC1184 |
| PL1189                | PEHD DN 110 | 96,80  | 53,44   | PC1184 | PC1185 |
| PL119                 | PVC DN 160  | 147,60 | 10,67   | PC120  | PC116  |
| PL1190                | PEHD DN 160 | 141,00 | 103,20  | PC1184 | PC1177 |
| PL1191                | PEHD DN 110 | 96,80  | 239,85  | PC1186 | PC1178 |
| PL1192                | PEHD DN 110 | 96,80  | 61,66   | PC1182 | PC1186 |
| PL1193                | PEHD DN 110 | 96,80  | 97,74   | PC1186 | PC1187 |
| PL1194                | PEHD DN 110 | 96,80  | 124,37  | PC1187 | PC1188 |
| PL1195                | PEHD DN 110 | 96,80  | 102,01  | PC1187 | PC1189 |
| PL1196                | PEHD DN 160 | 141,00 | 93,49   | PC1183 | PC1190 |
| PL1197                | PEHD DN 110 | 96,80  | 36,88   | PC1190 | PC1191 |
| PL1198                | PEHD DN 160 | 141,00 | 87,58   | PC1190 | PC1192 |
| PL1199                | PEHD DN 110 | 96,80  | 212,71  | PC1192 | PC1193 |
| PL12_rekonstrukc_     | PEHD DN 160 | 141,00 | 345,21  | PC13   | PC7    |
| Vodoprojekt           |             |        |         |        |        |
| PL120                 | PVC DN 110  | 101,60 | 354,48  | PC120  | PC121A |
| PL1200                | PEHD DN 110 | 96,80  | 59,10   | PC1193 | PC1194 |
| PL1201                | PEHD DN 110 | 96,80  | 172,79  | PC1193 | PC1195 |
| PL1202                | PEHD DN 110 | 96,80  | 113,49  | PC1195 | PC1196 |
| PL1203                | PEHD DN 110 | 96,80  | 92,28   | PC1195 | PC1197 |
| PL1204                | PEHD DN 110 | 96,80  | 219,03  | PC1198 | PC1195 |
| PL1205                | PEHD DN 160 | 141,00 | 314,77  | PC1192 | PC1198 |
| PL1206                | PEHD DN 110 | 96,80  | 139,09  | PC1198 | PC1199 |
| PL1207a               | PVC DN 225  | 198,20 | 1615,54 | PC1068 | PC1179 |
| PL1208_rekonstrukcija | PEHD DN 225 | 198,20 | 1712,79 | PC1200 | 36     |
| PL1209                | PVC DN 110  | 101,60 | 56,98   | PC1201 | PC1202 |
| PL121                 | PVC DN 110  | 101,60 | 547,52  | PC121  | PC122A |
| PL1210                | PVC DN 110  | 101,60 | 296,12  | PC1203 | PC1201 |
| PL1211                | PVC DN 160  | 147,60 | 149,06  | PC1203 | PC1204 |
| PL1212                | PVC DN 110  | 101,60 | 47,59   | PC1204 | PC1205 |
| PL1213                | PVC DN 110  | 101,60 | 49,35   | PC1205 | PC1206 |
| PL1214                | PVC DN 110  | 101,60 | 68,04   | PC1205 | PC1207 |
| PL1215                | PVC DN 110  | 101,60 | 225,14  | PC1205 | PC1201 |
| PL1216                | PVC DN 110  | 101,60 | 231,53  | PC1204 | PC1208 |
| PL1217                | PVC DN 160  | 147,60 | 853,25  | PC1204 | PC1209 |
| PL1218                | PVC DN 110  | 101,60 | 22,83   | PC1209 | PC1210 |
| PL1219                | PVC DN 110  | 101,60 | 60,88   | PC1210 | PC1211 |
| PL122                 | PEHD DN 110 | 96,80  | 301,89  | PC122  | PC123  |
| PL1220                | PVC DN 110  | 101,60 | 173,20  | PC1210 | PC1212 |
| PL1221                | PVC DN 110  | 101,60 | 268,66  | PC1209 | PC1213 |
| PL1222                | PVC DN 110  | 101,60 | 115,28  | PC1203 | PC1214 |
| PL1223                | PVC DN 160  | 147,60 | 508,98  | PC1215 | PC1203 |
| PL1224                | PVC DN 110  | 101,60 | 161,37  | PC1215 | PC1216 |
| PL1224A               | PEHD DN 315 | 290,80 | 161,99  | PC1215 | PC1217 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>280/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                    |               |        |         |        |        |
|--------------------|---------------|--------|---------|--------|--------|
| PL1225             | PVC DN 110    | 101,60 | 123,49  | PC1217 | PC1218 |
| PL1226             | DUCTIL DN 300 | 300,00 | 542,01  | PC1217 | PC1200 |
| PL1226A            | PVC DN 110    | 101,60 | 543,07  | PC1217 | PC1200 |
| PL1227             | PVC DN 110    | 101,60 | 220,70  | PC1219 | PC1215 |
| PL1228             | DUCTIL DN 300 | 300,00 | 369,19  | PC1219 | PC1217 |
| PL1229             | DUCTIL DN 300 | 300,00 | 469,46  | PC1219 | PC1220 |
| PL123              | PVC DN 160    | 147,60 | 158,50  | 17     | PC120  |
| PL1230             | PVC DN 110    | 101,60 | 1,35    | PC1222 | PC1220 |
| PL1231             | PVC DN 110    | 101,60 | 1,65    | PC1222 | PC1223 |
| PL1232             | PEHD DN 110   | 96,80  | 5,89    | PC1222 | PC1224 |
| PL1233             | PEHD DN 110   | 96,80  | 2,77    | PC1225 | PC1224 |
| PL1233A            | DUCTIL DN 300 | 300,00 | 5,54    | PC1221 | PC1220 |
| PL1234             | PEHD DN 110   | 96,80  | 32,39   | PC1225 | PC1226 |
| PL1235             | PVC DN 225    | 207,80 | 545,90  | PC1220 | PC1227 |
| PL1235A            | PVC DN 110    | 101,60 | 659,58  | PC1220 | PC1229 |
| PL1236             | PVC DN 225    | 207,80 | 113,65  | PC1227 | PC1230 |
| PL1237             | PVC DN 110    | 101,60 | 287,73  | PC1227 | PC1228 |
| PL1238             | PVC DN 110    | 101,60 | 24,74   | PC1229 | PC1230 |
| PL1239             | PVC DN 110    | 101,60 | 171,47  | PC1229 | PC1231 |
| PL124              | PVC DN 110    | 101,60 | 500,95  | PC124  | PC125  |
| PL1240             | PVC DN 225    | 207,80 | 139,01  | PC1230 | PC1233 |
| PL1241             | PVC DN 225    | 207,80 | 468,11  | PC1233 | PC1234 |
| PL1241A            | PVC DN 110    | 101,60 | 466,71  | PC1233 | PC1234 |
| PL1242             | PVC DN 160    | 147,60 | 723,99  | PC1234 | PC1235 |
| PL1243             | PVC DN 160    | 147,60 | 658,19  | PC1235 | PC1236 |
| PL1244             | PVC DN 110    | 101,60 | 1199,52 | PC1236 | PC1237 |
| PL1245             | PVC DN 160    | 147,60 | 698,72  | PC1238 | PC1236 |
| PL1246             | PVC DN 160    | 147,60 | 713,32  | PC1238 | PC1239 |
| PL1247             | PVC DN 110    | 101,60 | 243,64  | PC1239 | PC1240 |
| PL1248             | PVC DN 160    | 147,60 | 234,03  | PC1239 | PC1241 |
| PL1249             | PVC DN 110    | 101,60 | 175,15  | PC1241 | PC1242 |
| PL124A             | PVC DN 110    | 101,60 | 23,81   | PC125  | PC125A |
| PL124B             | PVC DN 110    | 101,60 | 234,67  | PC125A | PC125B |
| PL125              | PEHD DN 110   | 96,80  | 1114,28 | PC125  | PC126  |
| PL1250             | PVC DN 160    | 147,60 | 629,85  | PC1243 | PC1238 |
| PL1251             | PEHD DN 63    | 55,40  | 15,36   | PC1243 | PC1244 |
| PL1252             | PVC DN 160    | 147,60 | 35,85   | PC1234 | PC1243 |
| PL1253             | DUCTIL DN 300 | 300,00 | 859,94  | PC1245 | PC1221 |
| PL1254             | DUCTIL DN 300 | 300,00 | 1212,51 | PC1246 | PC1245 |
| PL1255             | PEHD DN 225   | 198,20 | 565,45  | 23     | PC1247 |
| PL1256_rekonstrukc | PEHD DN 110   | 96,80  | 252,21  | PC1248 | PC1247 |
| PL1257             | PEHD DN 90    | 79,20  | 76,60   | PC1248 | PC1249 |
| PL1258             | PEHD DN 110   | 96,80  | 167,99  | PC1250 | PC1248 |
| PL1259             | PEHD DN 90    | 79,20  | 175,05  | PC1250 | PC1251 |
| PL125A             | PEHD DN 32    | 28,20  | 801,53  | PC125A | PC126A |
| PL126              | PEHD DN 110   | 96,80  | 136,01  | PC126  | PC127  |
| PL1260             | PEHD DN 110   | 96,80  | 208,16  | PC1250 | 24     |
| PL1261             | DUCTIL DN 400 | 400,00 | 370,12  | PC1252 | PC1246 |
| PL1262             | DUCTIL DN 400 | 400,00 | 701,11  | PC1253 | PC1252 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>281/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                    |               |        |        |        |        |
|--------------------|---------------|--------|--------|--------|--------|
| PL1263             | PV DN C280    | 258,60 | 6,31   | PC1253 | PC1255 |
| PL1264             | PV DN C280    | 258,60 | 638,71 | PC1255 | PC1254 |
| PL1265             | DUCTIL DN 400 | 400,00 | 266,08 | PC1257 | PC1253 |
| PL1266             | DUCTIL DN 400 | 400,00 | 753,94 | PC1258 | PC1257 |
| PL1267             | DUCTIL DN 400 | 400,00 | 15,81  | PC1259 | PC1258 |
| PL1268             | DUCTIL DN 400 | 400,00 | 212,11 | PC1260 | PC1259 |
| PL1268A            | PEHD DN 110   | 96,80  | 214,11 | PC1261 | 21     |
| PL127              | PEHD DN 110   | 96,80  | 245,41 | PC126  | PC128  |
| PL1270             | PVC DN 110    | 101,60 | 324,75 | PC1259 | PC1262 |
| PL1271             | PVC DN 110    | 101,60 | 164,44 | 20     | PC1263 |
| PL1272             | PVC DN 110    | 101,60 | 240,09 | PC1263 | PC1264 |
| PL1273             | PVC DN 110    | 101,60 | 107,92 | PC1264 | PC1265 |
| PL1274             | PVC DN 110    | 101,60 | 269,54 | PC1264 | PC1266 |
| PL1275             | PVC DN 110    | 101,60 | 594,74 | PC1263 | PC1267 |
| PL1276             | DUCTIL DN 400 | 400,00 | 467,68 | PC1269 | PC1260 |
| PL1276A            | PEHD DN 110   | 96,80  | 285,08 | PC1270 | PC1268 |
| PL1277             | DUCTIL DN 200 | 200,00 | 6,57   | PC1269 | PC1270 |
| PL1278             | DUCTIL DN 400 | 400,00 | 587,82 | PC1063 | PC1269 |
| PL1279             | PV DN C280    | 258,60 | 307,99 | PC1270 | PC1271 |
| PL1279A            | PVC DN 110    | 101,60 | 286,27 | PC1270 | PC1273 |
| PL128              | PVC DN 160    | 147,60 | 402,49 | PC129  | PC124  |
| PL1280             | PV DN C280    | 258,60 | 143,53 | PC1271 | PC1272 |
| PL1281             | PEHD DN 110   | 96,80  | 262,47 | PC1273 | PC1274 |
| PL1282             | PEHD DN 110   | 96,80  | 94,46  | PC1274 | PC1275 |
| PL1283             | PEHD DN 110   | 96,80  | 30,04  | PC1275 | PC1276 |
| PL1284             | PEHD DN 110   | 96,80  | 183,96 | PC1275 | PC1277 |
| PL1285             | PEHD DN 110   | 96,80  | 89,70  | PC1277 | PC1274 |
| PL1286             | PEHD DN 110   | 96,80  | 59,37  | PC1277 | PC1278 |
| PL1287             | PEHD DN 110   | 96,80  | 12,04  | PC1278 | PC1279 |
| PL1288             | PEHD DN 110   | 96,80  | 150,79 | PC1278 | PC1270 |
| PL1289             | PVC DN 110    | 101,60 | 714,30 | PC1261 | PC1280 |
| PL129              | PVC DN 50     | 45,00  | 49,73  | PC129  | PC130  |
| PL1290             | PVC DN 110    | 101,60 | 303,09 | PC1280 | PC1281 |
| PL1291             | PEHD DN 110   | 96,80  | 7,43   | PC1281 | PC1282 |
| PL1292A            | PEHD DN 160   | 196,80 | 130,00 | PC1283 | 26     |
| PL1292B            | PEHD DN 160   | 196,80 | 617,71 | 26     | PC1284 |
| PL1293             | PVC DN 160    | 147,60 | 317,58 | PC1285 | PC1284 |
| PL1294             | PVC DN 160    | 147,60 | 99,44  | PC1286 | PC1285 |
| PL1295             | PVC DN 160    | 147,60 | 224,59 | PC1287 | PC1286 |
| PL1296             | PEHD DN 90    | 79,20  | 111,80 | PC1287 | PC1288 |
| PL1297             | PVC DN 160    | 147,60 | 573,14 | 22     | PC1287 |
| PL1298_rekonstrukc | PVC DN 110    | 101,60 | 474,00 | PC1286 | PC1289 |
| PL1299             | PVC DN 160    | 147,60 | 559,37 | PC2491 | PC1289 |
| PL13               | PEHD DN 50    | 44,00  | 215,44 | PC13   | PC14   |
| PL1300             | PVC DN 110    | 101,60 | 62,27  | PC1289 | PC1291 |
| PL1301             | PVC DN 110    | 101,60 | 146,59 | PC1291 | PC1292 |
| PL1302             | PVC DN 110    | 101,60 | 64,65  | PC1291 | PC1293 |
| PL1303             | PVC DN 110    | 101,60 | 121,04 | PC1293 | PC1294 |
| PL1304             | PVC DN 110    | 101,60 | 38,56  | PC1293 | PC1295 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><b>STUDIJA RAZVITKA<br/>VODOOPSKRBNOG SUSTAVA<br/>MEĐIMURSKJE ŽUPANIJE</b> | Stranica:<br>282/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|         |             |        |         |         |         |
|---------|-------------|--------|---------|---------|---------|
| PL1305  | PVC DN 110  | 101,60 | 68,34   | PC1295  | PC1296  |
| PL1306  | PVC DN 110  | 101,60 | 71,50   | PC1296  | PC1297  |
| PL1307  | PVC DN 110  | 101,60 | 32,59   | PC1296  | PC1298  |
| PL1308  | PVC DN 110  | 101,60 | 118,18  | PC1298  | PC1299  |
| PL1309  | PVC DN 110  | 101,60 | 28,31   | PC1298  | PC1300  |
| PL131   | PVC DN 160  | 147,60 | 229,26  | PC131   | PC129   |
| PL1310  | PVC DN 110  | 101,60 | 52,91   | PC1300  | PC1301  |
| PL1311  | PVC DN 110  | 101,60 | 79,74   | PC1300  | PC1302  |
| PL1312  | PVC DN 110  | 101,60 | 27,72   | PC1302  | PC1303  |
| PL1313  | PVC DN 110  | 101,60 | 50,83   | PC1302  | PC1304  |
| PL1314  | PVC DN 110  | 101,60 | 30,83   | PC1295  | PC1305  |
| PL1315  | PVC DN 110  | 101,60 | 11,23   | PC1305  | PC1306  |
| PL1316  | PVC DN 110  | 101,60 | 47,20   | PC1306  | PC1307  |
| PL1317  | PVC DN 110  | 101,60 | 10,31   | PC1307  | PC1308  |
| PL1318  | PVC DN 110  | 101,60 | 48,87   | PC1308  | PC1309  |
| PL1319  | PVC DN 110  | 101,60 | 117,54  | PC1305  | PC1310  |
| PL132   | PVC DN 110  | 101,60 | 118,52  | PC131A  | PC132   |
| PL1320  | PVC DN 110  | 101,60 | 118,94  | PC1306  | PC1311  |
| PL1321  | PVC DN 110  | 101,60 | 134,71  | PC1307  | PC1312  |
| PL1322  | PVC DN 110  | 101,60 | 134,81  | PC1308  | PC1313  |
| PL1323  | PVC DN 160  | 147,60 | 89,82   | PC1285  | PC1314  |
| PL1324  | PVC DN 160  | 147,60 | 143,85  | PC1314  | PC1315  |
| PL1325  | PVC DN 160  | 147,60 | 156,64  | PC1315  | PC1316  |
| PL1326  | PVC DN 160  | 147,60 | 114,07  | PC1317  | PC1316  |
| PL1327  | PVC DN 160  | 147,60 | 330,00  | PC1317  | PC1318  |
| PL1328  | PVC DN 110  | 101,60 | 79,95   | PC1317  | PC1319  |
| PL1329  | PVC DN 110  | 101,60 | 189,92  | PC1319  | PC1320  |
| PL133   | PVC DN 160  | 147,60 | 638,76  | PC136C  | PC131   |
| PL1330  | PVC DN 110  | 101,60 | 223,82  | PC1319  | PC1321  |
| PL1331  | PVC DN 110  | 101,60 | 1628,89 | PC1321  | PC1322  |
| PL1332  | PVC DN 110  | 101,60 | 313,93  | PC1322  | PC1323  |
| PL1333  | PVC DN 110  | 101,60 | 172,78  | PC1314  | PC13242 |
| PL1334  | PEHD DN 90  | 79,20  | 256,87  | PC13242 | PC1325  |
| PL1335  | PVC DN 110  | 101,60 | 34,18   | PC13242 | PC1326  |
| PL1336  | PVC DN 110  | 101,60 | 409,19  | PC1326  | PC1327  |
| PL1337  | PVC DN 110  | 101,60 | 175,92  | PC1328  | PC1326  |
| PL1338  | PEHD DN 110 | 96,80  | 167,88  | PC1315  | PC1328  |
| PL1339  | PVC DN 110  | 101,60 | 25,72   | PC1328  | PC1329  |
| PL133A  | PVC DN 110  | 101,60 | 261,81  | PC131A  | PC131B  |
| PL133B  | PVC DN 110  | 101,60 | 376,84  | PC136B  | PC131B  |
| PL134   | PVC DN 110  | 101,60 | 435,22  | PC131B  | 33      |
| PL1340  | PVC DN 110  | 101,60 | 208,57  | PC1316  | PC1329  |
| PL1341  | PEHD DN 25  | 21,40  | 58,78   | PC1329  | PC1330  |
| PL1342  | PVC DN 160  | 147,60 | 7,47    | PC1258  | PC1334  |
| PL1342A | PEHD DN 160 | 141,00 | 7,47    | PC1258  | 25      |
| PL1343  | PEHD DN 160 | 141,00 | 680,71  | PC1334  | PC1331  |
| PL1344  | PEHD DN 110 | 96,80  | 120,10  | PC1332  | PC1331  |
| PL1345  | PEHD DN 160 | 141,00 | 557,64  | PC1333  | PC1332  |
| PL1346  | PEHD DN 160 | 141,00 | 315,74  | PC1331  | PC1335  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>283/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL1347 | PEHD DN 110 | 96,80  | 139,02 | PC1335 | PC1336 |
| PL1348 | PEHD DN 160 | 141,00 | 229,60 | PC1335 | PC1337 |
| PL1349 | PEHD DN 110 | 96,80  | 92,51  | PC1337 | PC1338 |
| PL135  | PVC DN 110  | 101,60 | 67,06  | PC133  | PC134  |
| PL1350 | PEHD DN 110 | 96,80  | 11,90  | PC1338 | PC1339 |
| PL1351 | PEHD DN 110 | 96,80  | 78,30  | PC1339 | PC1340 |
| PL1352 | PEHD DN 110 | 96,80  | 258,08 | PC1339 | PC1341 |
| PL1353 | PEHD DN 110 | 96,80  | 56,53  | PC1341 | PC1342 |
| PL1354 | PEHD DN 110 | 96,80  | 150,56 | PC1341 | PC1343 |
| PL1355 | PEHD DN 110 | 96,80  | 215,14 | PC1338 | PC1344 |
| PL1356 | PEHD DN 110 | 96,80  | 109,71 | PC1344 | PC1345 |
| PL1357 | PEHD DN 110 | 96,80  | 253,67 | PC1344 | PC1346 |
| PL1358 | PEHD DN 160 | 141,00 | 581,13 | PC1337 | PC1347 |
| PL1359 | PEHD DN 110 | 96,80  | 259,34 | PC1347 | PC1348 |
| PL136  | PVC DN 110  | 101,60 | 292,45 | PC133  | PC135  |
| PL1360 | PEHD DN 160 | 141,00 | 197,10 | PC1347 | PC1349 |
| PL1361 | PVC DN 110  | 101,60 | 284,24 | PC1349 | PC1350 |
| PL1362 | PEHD DN 110 | 96,80  | 131,32 | PC1350 | PC1351 |
| PL1363 | PVC DN 110  | 101,60 | 310,03 | PC1350 | PC1352 |
| PL1364 | PVC DN 160  | 147,60 | 262,54 | PC1349 | PC1353 |
| PL1365 | PVC DN 160  | 147,60 | 233,85 | PC1353 | PC1354 |
| PL1366 | PVC DN 160  | 147,60 | 96,42  | PC1353 | PC1355 |
| PL1367 | PVC DN 110  | 101,60 | 287,89 | PC1355 | PC1356 |
| PL1368 | PVC DN 160  | 147,60 | 225,30 | PC1355 | PC1357 |
| PL1369 | PVC DN 160  | 147,60 | 662,00 | PC1357 | PC1358 |
| PL137  | PEHD DN 90  | 79,20  | 418,88 | PC138  | PC137  |
| PL1370 | PVC DN 160  | 147,60 | 734,84 | PC1357 | PC1359 |
| PL1371 | PVC DN 160  | 147,60 | 402,15 | PC1360 | PC1361 |
| PL1372 | PVC DN 110  | 101,60 | 207,59 | PC1361 | PC1362 |
| PL1373 | PVC DN 110  | 101,60 | 30,84  | PC1362 | PC1363 |
| PL1374 | PVC DN 110  | 101,60 | 196,79 | PC1362 | PC1364 |
| PL1375 | PVC DN 160  | 147,60 | 197,32 | PC1365 | PC1361 |
| PL1376 | PVC DN 110  | 101,60 | 282,09 | PC1365 | PC1366 |
| PL1377 | PVC DN 160  | 147,60 | 405,67 | PC1367 | PC1365 |
| PL1378 | PVC DN 110  | 101,60 | 352,34 | PC1367 | PC1368 |
| PL1379 | PVC DN 160  | 147,60 | 123,85 | PC1369 | PC1367 |
| PL138  | PEHD DN 63  | 55,40  | 303,30 | PC138  | PC139  |
| PL1380 | PVC DN 110  | 101,60 | 150,37 | PC1369 | PC1370 |
| PL1381 | PVC DN 110  | 101,60 | 35,01  | PC1370 | PC1371 |
| PL1382 | PVC DN 110  | 101,60 | 625,73 | PC1370 | PC1372 |
| PL1383 | PVC DN 110  | 101,60 | 110,30 | PC1372 | PC1373 |
| PL1384 | PVC DN 110  | 101,60 | 203,30 | PC1372 | PC1374 |
| PL1385 | PVC DN 110  | 101,60 | 146,43 | PC1372 | PC1375 |
| PL1386 | PVC DN 110  | 101,60 | 260,80 | PC1376 | PC1375 |
| PL1387 | PVC DN 110  | 101,60 | 163,13 | PC1376 | PC1377 |
| PL1388 | PVC DN 110  | 101,60 | 135,26 | PC1376 | PC1378 |
| PL1389 | PVC DN 110  | 101,60 | 370,49 | PC1376 | PC1379 |
| PL139  | PEHD DN 110 | 96,80  | 430,02 | PC140  | PC138  |
| PL1390 | PVC DN 110  | 101,60 | 750,44 | PC1375 | PC1380 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>284/512      |
|   | STUDIJA RAZVITKA<br>VODOPSKRIBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |         |         |         |
|---------|---------------|--------|---------|---------|---------|
| PL1391  | PVC DN 110    | 101,60 | 445,30  | PC1380  | PC1381  |
| PL1392  | PVC DN 160    | 147,60 | 322,84  | PC1382  | PC1369  |
| PL1393  | PVC DN 160    | 147,60 | 441,35  | PC826   | PC1383  |
| PL1395  | DUCTIL DN 400 | 402,80 | 1823,05 | PC1387A | PC1040  |
| PL1396  | PVC DN 110    | 101,60 | 1455,06 | PC1387  | PC1388  |
| PL1397  | PVC DN 110    | 101,60 | 668,48  | PC1388  | PC1389  |
| PL1398  | PVC DN 110    | 101,60 | 448,79  | PC1388  | PC1390  |
| PL1399  | PEHD DN 110   | 96,80  | 168,56  | PC1392  | PC1393  |
| PL14    | PEHD DN 50    | 44,00  | 17,19   | PC14    | PC15    |
| PL140   | PEHD DN 110   | 96,80  | 270,38  | PC140   | PC141   |
| PL1400  | PVC DN 110    | 101,60 | 571,91  | PC1394  | PC1386  |
| PL1401  | PVC DN 110    | 101,60 | 116,99  | PC1394  | PC1395  |
| PL1402  | PVC DN 110    | 101,60 | 696,56  | PC1394  | PC1396  |
| PL1403  | PVC DN 110    | 101,60 | 297,26  | PC1397  | PC1394  |
| PL1404  | PVC DN 110    | 101,60 | 333,08  | PC1387  | PC1397  |
| PL1405  | PVC DN 110    | 101,60 | 920,00  | PC1397  | PC1398  |
| PL1406  | DUCTIL DN 400 | 402,80 | 1283,45 | PC1399  | PC1387A |
| PL1407A | DUCTIL DN 400 | 402,80 | 1382,11 | PC1400A | PC1399  |
| PL1408  | PVC DN 225    | 207,80 | 636,59  | PC1400  | PC1401  |
| PL1409  | PVC DN 110    | 101,60 | 67,88   | PC1401  | PC1402  |
| PL141   | PEHD DN 63    | 55,40  | 58,10   | PC141   | PC143   |
| PL1410  | PVC DN 110    | 101,60 | 125,59  | PC1402  | PC1403  |
| PL1411  | PVC DN 110    | 101,60 | 70,04   | PC1403  | PC1404  |
| PL1412  | PVC DN 110    | 101,60 | 351,49  | PC1404  | PC1405  |
| PL1413  | PVC DN 110    | 101,60 | 107,62  | PC1405  | PC1406  |
| PL1414  | PVC DN 110    | 101,60 | 99,34   | PC1407  | PC1406  |
| PL1415  | PVC DN 110    | 101,60 | 103,99  | PC1405  | PC1407  |
| PL1416  | PVC DN 110    | 101,60 | 23,52   | PC1404  | PC1408  |
| PL1417  | PVC DN 110    | 101,60 | 229,66  | PC1408  | PC1409  |
| PL1418  | PVC DN 110    | 101,60 | 123,16  | PC1409  | PC1410  |
| PL1419  | PVC DN 110    | 101,60 | 93,05   | PC1409  | PC1411  |
| PL142   | PEHD DN 110   | 96,80  | 25,49   | PC142   | PC141   |
| PL1420  | PVC DN 110    | 101,60 | 115,66  | PC1411  | PC1412  |
| PL1421  | PVC DN 110    | 101,60 | 91,73   | PC1412  | PC1413  |
| PL1422  | PVC DN 110    | 101,60 | 277,19  | PC1413  | PC1414  |
| PL1423  | PVC DN 110    | 101,60 | 237,39  | PC1412  | PC1414  |
| PL1424  | PVC DN 110    | 101,60 | 119,89  | PC1414  | PC1415  |
| PL1425  | PVC DN 110    | 101,60 | 118,79  | PC1415  | PC1416  |
| PL1426  | PVC DN 110    | 101,60 | 288,26  | PC1411  | PC1415  |
| PL1427  | PVC DN 110    | 101,60 | 82,95   | PC1416  | PC1417  |
| PL1428  | PVC DN 110    | 101,60 | 303,66  | PC1416  | PC1418  |
| PL1429  | PVC DN 110    | 101,60 | 157,32  | PC1418  | PC1420  |
| PL143   | PEHD DN 110   | 96,80  | 831,40  | PC144   | PC140   |
| PL1430  | PVC DN 110    | 101,60 | 195,35  | PC1418  | PC1419  |
| PL1431  | PVC DN 110    | 101,60 | 208,53  | PC1421  | PC1418  |
| PL1432  | PEHD DN 110   | 96,80  | 177,81  | PC1421  | PC1422  |
| PL1433  | PVC DN 110    | 101,60 | 180,21  | PC1421  | PC1423  |
| PL1434  | PEHD DN 110   | 96,80  | 152,65  | PC1423  | PC1424  |
| PL1435  | PVC DN 110    | 101,60 | 101,26  | PC1425  | PC1421  |

|                                   |          |          |   |   |   |   |
|-----------------------------------|----------|----------|---|---|---|---|
| Projektant:                       | Broj TD: | Izmjene  |   |   |   |   |
|                                   |          | 1        | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. | 02/09    | Nadnevak |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>285/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |         |        |        |
|--------|-------------|--------|---------|--------|--------|
| PL1436 | PVC DN 110  | 101,60 | 171,83  | PC1425 | PC1426 |
| PL1437 | PEHD DN 110 | 96,80  | 89,63   | PC1426 | PC1427 |
| PL1438 | PVC DN 110  | 101,60 | 99,96   | PC1428 | PC1425 |
| PL1439 | PVC DN 110  | 101,60 | 240,00  | PC1428 | PC1429 |
| PL144  | PVC DN 110  | 101,60 | 1299,47 | PC144  | PC145  |
| PL1440 | PVC DN 110  | 101,60 | 97,52   | PC1430 | PC1428 |
| PL1441 | PVC DN 110  | 101,60 | 438,29  | PC1430 | PC1431 |
| PL1442 | PVC DN 110  | 101,60 | 129,62  | PC1432 | PC1430 |
| PL1443 | PVC DN 110  | 101,60 | 422,89  | PC1433 | PC1432 |
| PL1444 | PVC DN 110  | 101,60 | 295,12  | PC1433 | PC1434 |
| PL1445 | PVC DN 110  | 101,60 | 460,75  | PC1435 | PC1433 |
| PL1446 | PVC DN 110  | 101,60 | 195,34  | PC1435 | PC1432 |
| PL1447 | PVC DN 110  | 101,60 | 147,63  | PC1402 | PC1435 |
| PL1448 | PVC DN 110  | 101,60 | 163,45  | PC1436 | PC1403 |
| PL1449 | PVC DN 225  | 207,80 | 1005,18 | PC1437 | PC1400 |
| PL145  | PEHD DN 90  | 96,80  | 159,73  | PC145  | PC146  |
| PL1450 | PVC DN 225  | 207,80 | 874,26  | PC1438 | PC1437 |
| PL1451 | PVC DN 160  | 147,60 | 20,82   | PC1438 | PC1439 |
| PL1452 | PVC DN 160  | 147,60 | 94,97   | PC1440 | PC1439 |
| PL1453 | PVC DN 110  | 101,60 | 250,35  | PC1440 | PC1441 |
| PL1454 | PVC DN 160  | 147,60 | 144,33  | PC1442 | PC1440 |
| PL1455 | PVC DN 110  | 101,60 | 141,68  | PC1443 | PC1442 |
| PL1456 | PEHD DN 110 | 96,80  | 160,20  | PC1443 | PC1444 |
| PL1457 | PVC DN 160  | 147,60 | 176,76  | PC1442 | PC1445 |
| PL1458 | PVC DN 110  | 147,60 | 124,77  | PC1446 | PC1445 |
| PL1459 | PVC DN 110  | 101,60 | 42,22   | PC1449 | PC1447 |
| PL146  | PEHD DN 110 | 96,80  | 129,66  | PC146  | PC148  |
| PL1460 | PVC DN 110  | 101,60 | 157,36  | PC1446 | PC1448 |
| PL1461 | PVC DN 110  | 101,60 | 7,59    | PC1449 | PC1446 |
| PL1462 | PVC DN 110  | 101,60 | 241,13  | PC1450 | PC1449 |
| PL1463 | PVC DN 160  | 147,60 | 150,48  | PC1450 | PC1451 |
| PL1464 | PVC DN 160  | 147,60 | 196,07  | PC1452 | PC1450 |
| PL1465 | PVC DN 110  | 101,60 | 185,04  | PC1452 | PC1442 |
| PL1466 | PVC DN 160  | 147,60 | 333,59  | PC1439 | PC1452 |
| PL1467 | PVC DN 225  | 207,80 | 1268,66 | PC1453 | PC1438 |
| PL1468 | PVC DN 110  | 101,60 | 89,53   | PC1454 | PC1453 |
| PL1469 | PVC DN 110  | 101,60 | 182,50  | PC1454 | PC1455 |
| PL147  | PEHD DN 63  | 55,40  | 364,47  | PC146  | PC147  |
| PL1470 | PVC DN 160  | 147,60 | 202,69  | PC1456 | PC1454 |
| PL1471 | PVC DN 160  | 147,60 | 246,73  | PC1456 | PC1457 |
| PL1472 | PVC DN 160  | 147,60 | 209,67  | PC1457 | PC1458 |
| PL1473 | PVC DN 110  | 101,60 | 271,19  | PC1458 | PC1459 |
| PL1474 | PVC DN 110  | 101,60 | 490,06  | PC1460 | PC1458 |
| PL1475 | PVC DN 160  | 147,60 | 134,55  | PC1457 | PC1461 |
| PL1476 | PVC DN 110  | 101,60 | 172,00  | PC1461 | PC1462 |
| PL1477 | PVC DN 160  | 147,60 | 50,82   | PC1461 | PC1463 |
| PL1478 | PVC DN 110  | 101,60 | 98,22   | PC1463 | PC1464 |
| PL1479 | PVC DN 110  | 101,60 | 1146,38 | PC1463 | PC1465 |
| PL148  | PVC DN 110  | 101,60 | 1401,87 | PC149  | PC150  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>286/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                   |             |        |         |        |        |
|-----------------------------------|-------------|--------|---------|--------|--------|
| PL1480                            | PVC DN 110  | 101,60 | 499,72  | PC1465 | PC1466 |
| PL1481                            | PVC DN 160  | 147,60 | 275,95  | PC1467 | PC1456 |
| PL1482                            | PVC DN 225  | 207,80 | 241,34  | PC1467 | PC1453 |
| PL1483                            | PVC DN 110  | 101,60 | 167,71  | PC1467 | PC1468 |
| PL1484                            | PVC DN 160  | 147,60 | 341,78  | PC1469 | PC1467 |
| PL1485                            | PVC DN 110  | 101,60 | 232,46  | PC1469 | PC1470 |
| PL1486                            | PVC DN 160  | 147,60 | 559,60  | PC1471 | PC1469 |
| PL1487                            | PVC DN 160  | 147,60 | 373,27  | PC1472 | PC1471 |
| PL1488                            | PVC DN 160  | 147,60 | 931,89  | PC1472 | PC1473 |
| PL1489                            | PEHD DN 63  | 55,40  | 109,14  | PC1473 | PC1474 |
| PL149                             | PEHD DN 110 | 96,80  | 651,95  | PC150  | PC151  |
| PL1490                            | PVC DN 160  | 147,60 | 360,85  | PC1472 | PC1475 |
| PL1491                            | PVC DN 110  | 101,60 | 534,14  | PC1475 | PC1476 |
| PL1492                            | PEHD DN 63  | 55,40  | 80,96   | PC1476 | PC1477 |
| PL1493                            | PVC DN 110  | 101,60 | 140,29  | PC1476 | PC1478 |
| PL1494                            | PVC DN 110  | 101,60 | 107,74  | PC1478 | PC1479 |
| PL1495                            | PVC DN 110  | 101,60 | 343,22  | PC1478 | PC1480 |
| PL1496                            | PEHD DN 110 | 96,80  | 71,12   | PC1480 | PC1481 |
| PL1497                            | PEHD DN 110 | 96,80  | 23,74   | PC1481 | PC1482 |
| PL1498                            | PEHD DN 110 | 96,80  | 60,92   | PC1481 | PC1483 |
| PL1499                            | PEHD DN 110 | 96,80  | 53,98   | PC1484 | PC1480 |
| PL150                             | PVC DN 160  | 147,60 | 1565,20 | PC152  | PC149  |
| PL1500                            | PEHD DN 110 | 96,80  | 45,56   | PC1484 | PC1485 |
| PL1501                            | PEHD DN 110 | 96,80  | 159,03  | PC1484 | PC1486 |
| PL1502                            | PEHD DN 110 | 96,80  | 10,04   | PC1486 | PC1487 |
| PL1503                            | PEHD DN 110 | 96,80  | 51,02   | PC1487 | PC1488 |
| PL1504                            | PEHD DN 110 | 96,80  | 65,74   | PC1488 | PC1489 |
| PL1505                            | PEHD DN 110 | 96,80  | 81,05   | PC1488 | PC1490 |
| PL1506                            | PEHD DN 110 | 96,80  | 93,52   | PC1490 | PC1491 |
| PL1507                            | PEHD DN 110 | 96,80  | 37,93   | PC1490 | PC1492 |
| PL1508                            | PEHD DN 110 | 96,80  | 18,30   | PC1492 | PC1493 |
| PL1509                            | PEHD DN 110 | 96,80  | 208,33  | PC1492 | PC1494 |
| PL151                             | PVC DN 110  | 101,60 | 178,30  | PC149  | PC144  |
| PL1510                            | PEHD DN 110 | 96,80  | 197,87  | PC1486 | PC1496 |
| PL1511                            | PEHD DN 110 | 96,80  | 324,55  | PC1487 | PC1495 |
| PL1512                            | PEHD DN 110 | 96,80  | 134,27  | PC1496 | PC1495 |
| PL1513                            | PEHD DN 110 | 96,80  | 123,57  | PC1496 | PC1497 |
| PL1514                            | PEHD DN 110 | 96,80  | 320,48  | PC1495 | PC1498 |
| PL1515                            | PEHD DN 110 | 96,80  | 234,05  | PC1497 | PC1498 |
| PL1516                            | PEHD DN 110 | 96,80  | 63,75   | PC1497 | PC1499 |
| PL1517                            | PEHD DN 110 | 96,80  | 130,52  | PC1498 | PC1500 |
| PL1518                            | PEHD DN 110 | 96,80  | 229,49  | PC1499 | PC1500 |
| PL1519                            | PEHD DN 110 | 96,80  | 235,79  | PC1499 | PC1501 |
| PL152_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 1477,08 | PC152  | PC151  |
| PL1520                            | PEHD DN 110 | 96,80  | 31,58   | PC1501 | PC1500 |
| PL1521                            | PEHD DN 110 | 96,80  | 115,00  | PC1501 | PC1502 |
| PL1522                            | PEHD DN 110 | 96,80  | 101,70  | PC1502 | PC1503 |
| PL1523                            | PVC DN 225  | 207,80 | 1571,90 | PC1504 | PC1475 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>287/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |         |         |         |
|---------|---------------|--------|---------|---------|---------|
| PL1524  | PVC DN 225    | 207,80 | 24,03   | PC1504  | PC1505  |
| PL1526  | PVC DN 110    | 101,60 | 122,43  | PC1506  | PC1504  |
| PL1527  | PVC DN 110    | 101,60 | 83,72   | PC1506  | PC1507  |
| PL1528  | PVC DN 110    | 101,60 | 99,16   | PC1508  | PC1506  |
| PL1529  | PVC DN 225    | 207,80 | 738,42  | PC1509  | PC1504  |
| PL153   | PEHD DN 110   | 96,80  | 186,97  | PC151   | PC153   |
| PL1530  | PVC DN 160    | 147,60 | 87,60   | PC1509  | PC1510  |
| PL1531  | PVC DN 225    | 207,80 | 36,67   | PC1509  | PC1511  |
| PL1532  | PVC DN 160    | 147,60 | 130,39  | PC1511  | PC1512  |
| PL1533  | PVC DN 110    | 101,60 | 135,18  | PC1513  | PC1512  |
| PL1534  | PVC DN 110    | 101,60 | 274,96  | PC1513  | PC1514  |
| PL1535  | PVC DN 110    | 101,60 | 307,29  | PC1515  | PC1513  |
| PL1536  | PVC DN 160    | 147,60 | 154,46  | PC1512  | PC1515  |
| PL1537  | PVC DN 225    | 207,80 | 90,52   | PC1515  | PC1516  |
| PL1538  | PVC DN 110    | 101,60 | 115,34  | PC1516  | PC1517  |
| PL1539  | PVC DN 225    | 207,80 | 88,80   | PC1516  | PC1518  |
| PL154   | PEHD DN 110   | 96,80  | 394,22  | PC153   | PC154   |
| PL1540  | PVC DN 225    | 207,80 | 43,38   | PC1518  | PC1519  |
| PL1541  | PVC DN 110    | 101,60 | 205,40  | PC1518  | PC1520  |
| PL1542  | PVC DN 110    | 101,60 | 18,71   | PC1521  | PC1520  |
| PL1543  | PVC DN 110    | 101,60 | 133,41  | PC1519  | PC1521  |
| PL1544  | PVC DN 160    | 147,60 | 165,57  | PC1519  | PC1522  |
| PL1545  | PVC DN 160    | 147,60 | 249,84  | PC1511  | PC1523  |
| PL1546  | PVC DN 160    | 147,60 | 126,90  | PC1523  | PC1524  |
| PL1547  | PVC DN 160    | 147,60 | 191,91  | PC1525  | PC1523  |
| PL1548  | PVC DN 160    | 147,60 | 266,97  | PC1527  | PC1526  |
| PL1549  | PVC DN 160    | 147,60 | 13,35   | PC1522  | PC1527  |
| PL155   | PEHD DN 110   | 96,80  | 37,17   | PC154   | PC155   |
| PL156   | PEHD DN 110   | 96,80  | 153,62  | PC155   | PC156   |
| PL1560  | PVC DN 160    | 147,60 | 96,15   | PC1528  | PC1527  |
| PL1561  | PVC DN 110    | 101,60 | 157,91  | PC1528  | PC1529  |
| PL1562  | PVC DN 160    | 147,60 | 84,19   | PC1530  | PC1528  |
| PL1563  | PVC DN 110    | 101,60 | 207,88  | PC1530  | PC1531  |
| PL1564  | PVC DN 110    | 101,60 | 56,45   | PC1526  | PC1530  |
| PL1565  | PVC DN 110    | 101,60 | 402,78  | PC1526  | PC1532  |
| PL1566  | PVC DN 110    | 101,60 | 273,17  | PC1522  | PC1533  |
| PL1567  | PVC DN 225    | 207,80 | 965,34  | PC1534  | PC1522  |
| PL1568  | DUCTIL DN 400 | 402,80 | 1399,76 | PC1534A | PC1400A |
| PL1569  | PVC DN 225    | 207,80 | 194,47  | PC1534  | PC1535  |
| PL157   | PEHD DN 110   | 96,80  | 33,59   | PC155   | PC157   |
| PL1570  | PVC DN 400    | 369,20 | 1408,94 | PC1535  | PC1401  |
| PL1571  | PEHD DN 225   | 198,20 | 574,56  | PC1535  | PC1536  |
| PL1572  | PEHD DN 110   | 96,80  | 284,90  | PC1538  | PC1537  |
| PL1573  | PEHD DN 110   | 96,80  | 14,97   | PC1537  | PC1539  |
| PL1573A | PEHD DN 110   | 96,80  | 23,29   | PC1536  | PC1537  |
| PL1574  | PVC DN 110    | 101,60 | 408,15  | PC1539  | PC1540  |
| PL1575  | PEHD DN 225   | 198,20 | 242,15  | PC1541  | PC1536  |
| PL1576  | PEHD DN 110   | 96,80  | 80,05   | PC1539  | PC1542  |
| PL1577  | PEHD DN 110   | 96,80  | 149,39  | PC1542  | PC1543  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><b>STUDIJA RAZVITKA<br/>VODOOPSKRBNOG SUSTAVA<br/>MEĐIMURSKJE ŽUPANIJE</b> | Stranica:<br>288/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|                       |               |        |         |         |         |
|-----------------------|---------------|--------|---------|---------|---------|
| PL1578                | PVC DN 110    | 101,60 | 219,05  | PC1542  | PC1544  |
| PL1579                | PEHD DN 63    | 55,40  | 46,38   | PC1544  | PC1545  |
| PL158                 | PEHD DN 63    | 55,40  | 104,40  | PC157   | PC158   |
| PL1580                | PVC DN 110    | 101,60 | 222,43  | PC1544  | PC1546  |
| PL1581                | PVC DN 160    | 147,60 | 21,52   | PC1543  | PC1541  |
| PL1582                | PVC DN 160    | 147,60 | 188,86  | PC1541  | PC1547  |
| PL1583                | PVC DN 160    | 147,60 | 317,09  | PC1547  | PC1548  |
| PL1584                | PEHD DN 160   | 141,00 | 14,70   | PC1548  | PC1549  |
| PL1585                | PEHD DN 63    | 55,40  | 113,50  | PC1549  | PC1550  |
| PL1586                | PVC DN 225    | 207,80 | 212,58  | PC1550  | PC1551  |
| PL1587                | PEHD DN 225   | 198,20 | 115,42  | PC1551  | PC1552  |
| PL1588                | PEHD DN 160   | 141,00 | 191,92  | PC1552  | PC1553  |
| PL1589                | PEHD DN 225   | 198,20 | 449,59  | PC1552  | PC1554  |
| PL159                 | PEHD DN 110   | 96,80  | 1147,98 | PC157   | PC159   |
| PL1590                | PEHD DN 225   | 198,20 | 7,20    | PC1554  | PC1555  |
| PL1591                | PVC DN 110    | 101,60 | 198,23  | PC1549  | PC1556  |
| PL1592                | PVC DN 110    | 101,60 | 150,95  | PC1556  | PC1557  |
| PL1593                | PVC DN 110    | 101,60 | 88,78   | PC1556  | PC1558  |
| PL1594                | PEHD DN 160   | 141,00 | 117,66  | PC1558  | PC1548  |
| PL1595                | PEHD DN 160   | 141,00 | 58,31   | PC1559  | PC1558  |
| PL1596                | PEHD DN 160   | 141,00 | 53,65   | PC1559  | PC1560  |
| PL1597                | PEHD DN 160   | 141,00 | 128,90  | PC1561  | PC1559  |
| PL1598                | PEHD DN 160   | 141,00 | 67,61   | PC1562  | PC1561  |
| PL1599_rekonstrukcija | PEHD DN 160   | 141,00 | 101,54  | PC1564  | PC1562  |
| PL16                  | PEHD DN 50    | 44,00  | 60,64   | PC14    | PC16    |
| PL160                 | PEHD DN 110   | 96,80  | 281,16  | PC154   | PC160   |
| PL1600                | PEHD DN 63    | 55,40  | 66,24   | PC1565  | PC1563  |
| PL1601                | PEHD DN 63    | 55,40  | 2,00    | PC1564  | PC1565  |
| PL1602                | PEHD DN 63    | 55,40  | 25,52   | PC1566  | PC1565  |
| PL1603_rekonstrukcija | PEHD DN 160   | 141,00 | 31,82   | PC1567  | PC1564  |
| PL1604                | PVC DN 160    | 147,60 | 147,87  | PC1547  | PC1567  |
| PL1605_rekonstrukcija | PEHD DN 160   | 141,00 | 36,51   | PC1568  | PC1567  |
| PL1606                | PEHD DN 63    | 55,40  | 2,07    | PC1568  | PC1569  |
| PL1607                | PEHD DN 63    | 55,40  | 27,41   | PC1569  | PC1570  |
| PL1608                | PEHD DN 63    | 55,40  | 47,29   | PC1571  | PC1569  |
| PL1609_rekonstrukcija | PEHD DN 160   | 141,00 | 53,68   | PC1572  | PC1568  |
| PL161                 | PEHD DN 110   | 96,80  | 765,46  | PC153   | PC161   |
| PL1610_rekonstrukcija | PEHD DN 160   | 141,00 | 11,56   | PC1572  | PC1573  |
| PL1611                | PEHD DN 225   | 198,20 | 226,99  | PC1541  | PC1572  |
| PL1612                | PEHD DN 110   | 96,80  | 243,04  | PC1543  | PC1573  |
| PL1613                | PVC DN 110    | 101,60 | 791,37  | PC1573  | PC1574  |
| PL1614                | PVC DN 110    | 101,60 | 162,73  | PC1574  | PC1575  |
| PL1615                | PVC DN 160    | 147,60 | 96,26   | PC1575  | PC1576  |
| PL1616                | PVC DN 160    | 147,60 | 135,45  | PC1575  | PC1577  |
| PL1617_rekonstrukcija | DUCTIL DN 500 | 500,00 | 694,79  | PC1578  | PC1577  |
| PL1618                | PVC DN 400    | 369,20 | 129,06  | PC1579  | PC1578  |
| PL1619A               | DUCTIL DN 300 | 301,60 | 65,18   | PC1580A | PC1579A |
| PL162                 | PEHD DN 90    | 79,20  | 569,50  | PC161   | PC162   |
| PL1620                | DUCTIL DN 300 | 301,60 | 36,37   | PC1582  | PC1580A |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>289/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                         |               |        |         |         |         |
|-------------------------|---------------|--------|---------|---------|---------|
| PL1621A                 | DUCTIL DN 400 | 402,80 | 7,12    | PC1580B | PC1581  |
| PL1622                  | DUCTIL DN 300 | 301,60 | 149,44  | PC1583  | PC1580  |
| PL1623A_ rekonstrukcija | DUCTIL DN 400 | 400,00 | 332,72  | PC1584  | PC1579  |
| PL1624                  | DUCTIL DN 400 | 402,80 | 155,51  | PC1585  | PC1584  |
| PL1625                  | DUCTIL DN 300 | 301,60 | 47,71   | PC1586  | PC1585  |
| PL1626_ rekonstrukcija  | DUCTIL DN 400 | 400,00 | 150,13  | PC1587  | PC1584  |
| PL1627                  | PVC DN 315    | 290,80 | 15,58   | PC1588  | PC1587  |
| PL1628_ rekonstrukcija  | DUCTIL DN 300 | 300,00 | 60,75   | PC1587  | PC1589  |
| PL1629_ rekonstrukcija  | DUCTIL DN 300 | 300,00 | 111,74  | PC1590  | PC1589  |
| PL163                   | PEHD DN 63    | 55,40  | 283,08  | PC162   | PC163   |
| PL1630A_ rekonstrukcija | DUCTIL DN 300 | 300,00 | 155,35  | PC1589  | PC1591  |
| PL1631                  | PV DN C280    | 258,60 | 151,69  | PC1592  | PC1591  |
| PL1632                  | PV DN C280    | 258,60 | 14,00   | PC1591  | PC1593  |
| PL1633                  | PVC DN 315    | 290,80 | 28,20   | PC1594  | PC1593  |
| PL1634A_ rekonstrukcija | DUCTIL DN 300 | 300,00 | 14,00   | PC1591  | PC1593  |
| PL1635                  | DUCTIL DN 250 | 250,40 | 4,14    | PC1595  | PC1596  |
| PL1636                  | PVC DN 400    | 369,20 | 249,06  | PC1593  | PC1578  |
| PL1637                  | DUCTIL DN 400 | 402,80 | 120,10  | PC1581  | PC1597  |
| PL1637A                 | DUCTIL DN 400 | 402,80 | 119,06  | PC1579  | PC1598  |
| PL1638                  | PVC DN 400    | 369,20 | 637,23  | PC1598  | PC1599  |
| PL1638AB                | DUCTIL DN 400 | 402,80 | 614,60  | PC1597  | PC1534A |
| PL1639                  | PVC DN 400    | 369,20 | 16,26   | PC1599  | PC1535  |
| PL164                   | PVC DN 110    | 101,60 | 898,84  | PC164   | PC152   |
| PL1640_ rekonstrukcija  | DUCTIL DN 500 | 500,00 | 21,02   | PC1577  | PC1600  |
| PL1641                  | PVC DN 160    | 147,60 | 293,16  | PC1601  | PC1600  |
| PL1642                  | PVC DN 160    | 147,60 | 8,97    | PC1602  | PC1601  |
| PL1642A                 | PVC DN 160    | 147,60 | 12,28   | PC1574  | PC1602  |
| PL1643                  | PVC DN 110    | 101,60 | 125,82  | PC1601  | PC1603  |
| PL1644                  | PVC DN 110    | 101,60 | 53,02   | PC1603  | PC1604  |
| PL1645                  | PVC DN 110    | 101,60 | 252,08  | PC1603  | PC1605  |
| PL1646                  | PVC DN 160    | 147,60 | 401,82  | PC1606  | PC1602  |
| PL1647                  | PVC DN 110    | 101,60 | 299,10  | PC1606  | PC1607  |
| PL1648                  | PVC DN 160    | 147,60 | 73,28   | PC1608  | PC1606  |
| PL1649                  | PVC DN 160    | 147,60 | 186,76  | PC1609  | PC1608  |
| PL165                   | PVC DN 160    | 147,60 | 1280,77 | PC165   | PC152   |
| PL1650                  | PVC DN 110    | 101,60 | 6,80    | PC1610  | PC1609  |
| PL1651                  | PEHD DN 110   | 96,80  | 49,87   | PC1609  | PC1611  |
| PL1652                  | PEHD DN 110   | 96,80  | 8,37    | PC1611  | PC1612  |
| PL1653                  | PEHD DN 110   | 96,80  | 30,78   | PC1611  | PC1613  |
| PL1654                  | PEHD DN 63    | 55,40  | 119,40  | PC1614  | PC1613  |
| PL1655                  | PEHD DN 110   | 96,80  | 494,52  | PC1613  | PC1615  |
| PL1656                  | PVC DN 160    | 147,60 | 140,59  | PC1615  | PC1616  |
| PL1657                  | PVC DN 160    | 147,60 | 40,33   | PC1616  | PC1617  |
| PL1658_ rekonstrukcija  | PEHD DN 160   | 141,00 | 109,02  | PC1617  | PC1618  |
| PL1659                  | PVC DN 110    | 101,60 | 411,69  | PC1618  | PC1619  |
| PL166                   | PEHD DN 32    | 28,20  | 188,48  | PC167   | PC166   |
| PL1660_ rekonstrukcija  | PEHD DN 160   | 141,00 | 18,90   | PC1618  | PC1620  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>290/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                       |             |        |        |        |        |
|-----------------------|-------------|--------|--------|--------|--------|
| PL1661_rekonstrukcija | PEHD DN 160 | 141,00 | 92,24  | PC1620 | PC1621 |
| PL1661A               | PEHD DN 63  | 55,40  | 84,90  | PC1622 | PC1623 |
| PL1662                | PEHD DN 63  | 55,40  | 2,00   | PC1621 | PC1622 |
| PL1663                | PEHD DN 63  | 55,40  | 77,53  | PC1624 | PC1622 |
| PL1663A               | PEHD DN 160 | 141,00 | 84,20  | PC1621 | PC1626 |
| PL1664_rekonstrukcija | PEHD DN 160 | 141,00 | 49,16  | PC1626 | PC1629 |
| PL1664A               | PEHD DN 63  | 55,40  | 41,59  | PC1628 | PC1627 |
| PL1665                | PEHD DN 63  | 55,40  | 2,02   | PC1629 | PC1628 |
| PL1666_rekonstrukcija | PEHD DN 160 | 141,00 | 166,90 | PC1629 | PC1562 |
| PL1666A               | PEHD DN 63  | 55,40  | 101,71 | PC1630 | PC1628 |
| PL1667                | PVC DN 160  | 147,60 | 142,00 | PC1631 | PC1561 |
| PL1668                | PVC DN 110  | 101,60 | 71,49  | PC1631 | PC1632 |
| PL1669                | PVC DN 110  | 101,60 | 136,71 | PC1632 | PC1626 |
| PL1670                | PVC DN 110  | 101,60 | 229,44 | PC1632 | PC1633 |
| PL1671                | PVC DN 160  | 147,60 | 61,70  | PC1634 | PC1633 |
| PL1672                | PVC DN 160  | 147,60 | 88,19  | PC1620 | PC1634 |
| PL1673                | PEHD DN 63  | 55,40  | 27,61  | PC1634 | PC1638 |
| PL1674                | PEHD DN 63  | 55,40  | 45,13  | PC1638 | PC1636 |
| PL1675                | PEHD DN 63  | 55,40  | 39,42  | PC1635 | PC1636 |
| PL1676                | PEHD DN 63  | 55,40  | 42,37  | PC1636 | PC1637 |
| PL1677                | PEHD DN 63  | 55,40  | 74,50  | PC1639 | PC1638 |
| PL1678                | PVC DN 160  | 147,60 | 72,67  | PC1633 | PC1640 |
| PL1679                | PVC DN 110  | 101,60 | 12,73  | PC1640 | PC1641 |
| PL1680                | PVC DN 160  | 147,60 | 37,38  | PC1640 | PC1642 |
| PL1681                | PVC DN 110  | 101,60 | 239,21 | PC1642 | PC1643 |
| PL1682                | PVC DN 160  | 147,60 | 125,40 | PC1643 | PC1631 |
| PL1683                | PVC DN 160  | 147,60 | 128,78 | PC1644 | PC1643 |
| PL1684                | PVC DN 110  | 101,60 | 76,64  | PC1644 | PC1645 |
| PL1685                | PVC DN 160  | 147,60 | 164,81 | PC1644 | PC1646 |
| PL1686                | PVC DN 110  | 101,60 | 110,38 | PC1647 | PC1646 |
| PL1687                | PVC DN 110  | 101,60 | 112,51 | PC1648 | PC1647 |
| PL1688                | PEHD DN 160 | 141,00 | 421,15 | PC1649 | PC1647 |
| PL1689                | PVC DN 110  | 101,60 | 371,72 | PC1650 | PC1649 |
| PL169                 | PEHD DN 63  | 55,40  | 305,69 | PC168  | PC167  |
| PL1690                | PVC DN 110  | 101,60 | 459,09 | PC1650 | PC1642 |
| PL1691                | PVC DN 110  | 101,60 | 120,58 | PC1649 | PC1651 |
| PL1692                | PVC DN 110  | 101,60 | 312,12 | PC1652 | PC1651 |
| PL1693                | PVC DN 160  | 147,60 | 221,50 | PC1653 | PC1652 |
| PL1694                | PEHD DN 160 | 141,00 | 328,03 | PC1654 | PC1661 |
| PL1695                | PVC DN 110  | 101,60 | 62,29  | PC1654 | PC1650 |
| PL1696                | PVC DN 160  | 147,60 | 236,41 | PC1655 | PC1652 |
| PL1697                | PVC DN 160  | 147,60 | 198,45 | PC1656 | PC1655 |
| PL1698                | PVC DN 160  | 147,60 | 107,66 | PC1657 | PC1655 |
| PL1699                | PVC DN 110  | 101,60 | 67,91  | PC1657 | PC1658 |
| PL17_rekonstrukc_     | PEHD DN 160 | 141,00 | 122,33 | PC17   | PC13   |
| Vodoprojekt           |             |        |        |        |        |
| PL170                 | PEHD DN 90  | 79,20  | 772,56 | PC169  | PC168  |
| PL1700                | PVC DN 110  | 101,60 | 249,79 | PC1657 | PC1659 |
| PL1701                | PVC DN 160  | 147,60 | 103,48 | PC1660 | PC1657 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>291/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                    |               |        |         |        |        |
|------------------------------------|---------------|--------|---------|--------|--------|
| PL1702                             | PEHD DN 160   | 141,00 | 93,00   | PC1661 | PC1660 |
| PL1703                             | PVC DN 110    | 101,60 | 324,58  | PC1662 | PC1660 |
| PL1704                             | PVC DN 110    | 101,60 | 248,87  | PC1663 | PC1662 |
| PL1705                             | PVC DN 110    | 101,60 | 228,51  | PC1664 | PC1663 |
| PL1706                             | PVC DN 110    | 101,60 | 462,34  | PC1665 | PC1664 |
| PL1706A                            | PEHD DN 63    | 55,40  | 98,98   | PC1667 | PC1666 |
| PL1707                             | PEHD DN 63    | 55,40  | 15,85   | PC1665 | PC1666 |
| PL1708                             | PEHD DN 63    | 55,40  | 157,45  | PC1666 | PC1668 |
| PL1709                             | PVC DN 110    | 101,60 | 217,78  | PC1669 | PC1665 |
| PL171_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 557,66  | PC170  | PC169  |
| PL1710                             | PEHD DN 63    | 55,40  | 16,41   | PC1669 | PC1670 |
| PL1711                             | PEHD DN 63    | 55,40  | 19,35   | PC1671 | PC1670 |
| PL1712                             | PEHD DN 63    | 55,40  | 58,16   | PC1670 | PC1672 |
| PL1713                             | PVC DN 110    | 101,60 | 50,94   | PC1617 | PC1669 |
| PL1714                             | PVC DN 160    | 147,60 | 408,35  | PC1673 | PC1616 |
| PL1715                             | PVC DN 110    | 101,60 | 217,41  | PC1673 | PC1674 |
| PL1716                             | PEHD DN 63    | 55,40  | 57,49   | PC1674 | PC1675 |
| PL1717                             | PVC DN 160    | 147,60 | 198,55  | PC1673 | PC1676 |
| PL1718                             | PVC DN 110    | 101,60 | 78,37   | PC1676 | PC1677 |
| PL1719                             | PVC DN 110    | 101,60 | 74,91   | PC1677 | PC1678 |
| PL172                              | PEHD DN 32    | 28,20  | 58,96   | PC170  | PC171  |
| PL1720                             | PVC DN 110    | 101,60 | 181,36  | PC1677 | PC1679 |
| PL1721                             | PVC DN 110    | 101,60 | 510,60  | PC1616 | PC1679 |
| PL1722                             | PVC DN 110    | 101,60 | 224,79  | PC1679 | PC1680 |
| PL1723                             | PVC DN 160    | 147,60 | 268,67  | PC1680 | PC1681 |
| PL1724                             | PVC DN 160    | 147,60 | 149,88  | PC1681 | PC1615 |
| PL1725                             | PVC DN 160    | 147,60 | 226,03  | PC1682 | PC1681 |
| PL1726                             | PVC DN 110    | 101,60 | 318,42  | PC1682 | PC1683 |
| PL1727                             | PVC DN 160    | 147,60 | 421,82  | PC1608 | PC1682 |
| PL1728_rekonstrukcija              | DUCTIL DN 500 | 500,00 | 1058,88 | PC1600 | PC1684 |
| PL1729                             | PVC DN 160    | 147,60 | 257,73  | PC1680 | PC1684 |
| PL173_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 410,38  | PC172  | PC170  |
| PL1730_rekonstrukc_<br>Vodoprojekt | DUCTIL DN 500 | 500,00 | 2,83    | PC1684 | PC1685 |
| PL1731_rekonstrukc_<br>Vodoprojekt | DUCTIL DN 500 | 500,00 | 602,09  | PC1685 | PC1686 |
| PL1732                             | DUCTIL DN 500 | 500,00 | 620,39  | PC1686 | PC1687 |
| PL1733                             | PEHD DN 160   | 141,00 | 224,44  | PC1688 | PC1687 |
| PL1734                             | PVC DN 110    | 101,60 | 31,72   | PC1690 | PC1689 |
| PL1735                             | PVC DN 110    | 101,60 | 45,69   | PC1691 | PC1690 |
| PL1736                             | PEHD DN 160   | 141,00 | 160,44  | PC1691 | PC1692 |
| PL1737                             | PEHD DN 160   | 141,00 | 199,90  | PC1691 | PC1693 |
| PL1738                             | PVC DN 110    | 101,60 | 158,17  | PC1663 | PC1691 |
| PL1739                             | PVC DN 160    | 147,60 | 397,18  | PC1694 | PC1664 |
| PL173A_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 520,14  | PC27   | PC172A |
| PL174                              | PEHD DN 63    | 55,40  | 371,66  | PC167  | PC173A |
| PL1740                             | DUCTIL DN 500 | 500,00 | 459,83  | PC1687 | PC1695 |
| PL1741                             | DUCTIL DN 500 | 500,00 | 284,45  | PC1696 | PC1695 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>292/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |         |        |        |
|--------|---------------|--------|---------|--------|--------|
| PL1742 | PVC DN 160    | 147,60 | 141,18  | PC1642 | PC1646 |
| PL1743 | DUCTIL DN 250 | 250,40 | 1254,74 | PC1596 | PC1697 |
| PL1744 | DUCTIL DN 250 | 250,40 | 183,84  | PC1697 | PC1698 |
| PL1745 | DUCTIL DN 250 | 250,40 | 230,19  | PC1698 | PC1699 |
| PL1746 | DUCTIL DN 250 | 250,40 | 147,46  | PC1699 | PC1700 |
| PL1747 | DUCTIL DN 250 | 250,40 | 630,89  | PC1700 | PC1701 |
| PL1748 | DUCTIL DN 250 | 250,40 | 1029,67 | PC1701 | PC1729 |
| PL1749 | PVC DN 110    | 101,60 | 270,95  | PC1702 | PC1697 |
| PL174A | PEHD DN 63    | 55,40  | 50,00   | PC173B | PC173  |
| PL175  | PEHD DN 110   | 96,80  | 147,74  | PC174  | PC175  |
| PL1750 | PVC DN 110    | 101,60 | 281,46  | PC1703 | PC1702 |
| PL1751 | PVC DN 110    | 101,60 | 393,07  | PC1704 | PC1703 |
| PL1752 | PVC DN 110    | 101,60 | 195,86  | PC1705 | PC1704 |
| PL1753 | PVC DN 110    | 101,60 | 174,29  | PC1705 | PC1706 |
| PL1754 | PVC DN 110    | 101,60 | 216,53  | PC1706 | PC1707 |
| PL1755 | PVC DN 110    | 101,60 | 95,32   | PC1707 | PC1708 |
| PL1756 | PVC DN 110    | 101,60 | 205,25  | PC1707 | PC1709 |
| PL1757 | PVC DN 110    | 101,60 | 105,17  | PC1710 | PC1706 |
| PL1758 | PVC DN 110    | 101,60 | 80,61   | PC1710 | PC1711 |
| PL1759 | PVC DN 110    | 101,60 | 11,74   | PC1711 | PC1712 |
| PL176  | PEHD DN 110   | 96,80  | 34,73   | PC175  | PC176  |
| PL1760 | PVC DN 110    | 101,60 | 183,23  | PC1704 | PC1711 |
| PL1761 | PVC DN 110    | 101,60 | 95,47   | PC1711 | PC1713 |
| PL1762 | PVC DN 110    | 101,60 | 111,02  | PC1713 | PC1714 |
| PL1763 | PVC DN 110    | 101,60 | 59,33   | PC1715 | PC1713 |
| PL1764 | PVC DN 110    | 101,60 | 187,18  | PC1716 | PC1715 |
| PL1765 | PVC DN 110    | 101,60 | 336,94  | PC1702 | PC1715 |
| PL1766 | PVC DN 110    | 101,60 | 307,84  | PC1710 | PC1718 |
| PL1767 | PVC DN 110    | 101,60 | 670,91  | PC1717 | PC1718 |
| PL1768 | PVC DN 110    | 101,60 | 204,32  | PC1702 | PC1717 |
| PL1769 | PVC DN 110    | 101,60 | 685,80  | PC1718 | PC1719 |
| PL177  | PEHD DN 40    | 35,20  | 78,31   | PC176  | PC177  |
| PL1770 | PVC DN 110    | 101,60 | 545,43  | PC1719 | PC1720 |
| PL1771 | PVC DN 110    | 101,60 | 308,47  | PC1720 | PC1721 |
| PL1772 | PVC DN 110    | 101,60 | 343,60  | PC1721 | PC1717 |
| PL1773 | PVC DN 110    | 101,60 | 245,67  | PC1721 | PC1722 |
| PL1774 | PVC DN 110    | 101,60 | 223,24  | PC1723 | PC1719 |
| PL1775 | PVC DN 110    | 101,60 | 233,45  | PC1723 | PC1724 |
| PL1776 | PEHD DN 63    | 55,40  | 231,57  | PC1725 | PC1724 |
| PL1777 | PV DN C280    | 258,60 | 227,86  | PC1725 | PC1727 |
| PL1778 | PV DN C280    | 258,60 | 20,11   | PC1726 | PC1725 |
| PL1779 | PVC DN 110    | 101,60 | 149,06  | PC1720 | PC1726 |
| PL178  | PEHD DN 110   | 96,80  | 200,52  | PC176  | PC178  |
| PL1780 | PVC DN 110    | 101,60 | 796,32  | PC1728 | PC1726 |
| PL1781 | PEHD DN 160   | 141,00 | 118,50  | PC1729 | PC1728 |
| PL1782 | PV DN C280    | 258,60 | 924,33  | PC1727 | PC1730 |
| PL1783 | DUCTIL DN 250 | 250,40 | 251,07  | PC1729 | PC1730 |
| PL1784 | PEHD DN 225   | 198,20 | 491,41  | PC1730 | PC1731 |
| PL1785 | PEHD DN 225   | 198,20 | 181,00  | PC1731 | PC1732 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><b>STUDIJA RAZVITKA</b><br><b>VODOOPSKRBNOG SUSTAVA</b><br><b>MEDIMURSKE ŽUPANIJE</b> | Stranica:<br>293/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |  | Nadhevak:<br>17.11. 2009.   |

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|-------------------|---------------|--------|---------|--------|--------|
| PL1786            | PEHD DN 225   | 198,20 | 206,04  | PC1732 | PC1733 |
| PL1787            | PEHD DN 225   | 198,20 | 11,36   | PC1731 | PC1733 |
| PL1788            | PEHD DN 225   | 198,20 | 78,25   | PC1733 | PC1734 |
| PL1789            | PVC DN 110    | 101,60 | 95,81   | PC1735 | PC1734 |
| PL179             | PEHD DN 110   | 96,80  | 267,43  | PC175  | PC179  |
| PL1790            | PVC DN 110    | 101,60 | 91,97   | PC1735 | PC1736 |
| PL1791            | PVC DN 125    | 115,40 | 265,09  | PC1737 | PC1735 |
| PL1791A           | PVC DN 160    | 147,60 | 140,27  | PC1737 | PC1738 |
| PL1792            | PVC DN 160    | 147,60 | 232,83  | PC1738 | PC1739 |
| PL1793            | PVC DN 110    | 101,60 | 143,88  | PC1739 | PC1740 |
| PL1794            | PVC DN 110    | 101,60 | 21,02   | PC1740 | PC1741 |
| PL1795            | PVC DN 110    | 101,60 | 284,34  | PC1741 | PC1742 |
| PL1796            | PVC DN 160    | 147,60 | 20,61   | PC1738 | PC1743 |
| PL1797            | PVC DN 110    | 101,60 | 235,68  | PC1743 | PC1744 |
| PL1798            | PVC DN 110    | 101,60 | 88,96   | PC1744 | PC1745 |
| PL1799            | PVC DN 160    | 147,60 | 110,05  | PC1743 | PC1746 |
| PL18_rekonstrukc_ |               |        |         |        |        |
| Vodoprojekt       | PEHD DN 160   | 141,00 | 434,48  | PC18   | PC17   |
| PL180             | PEHD DN 63    | 55,40  | 56,96   | PC179  | PC180  |
| PL1800            | PVC DN 110    | 101,60 | 96,53   | PC1746 | PC1747 |
| PL1800A           | PVC DN 110    | 101,60 | 234,75  | PC1746 | PC1748 |
| PL1800B           | PVC DN 110    | 101,60 | 54,41   | PC1748 | PC1749 |
| PL1801            | PVC DN 160    | 147,60 | 86,69   | PC1746 | PC1750 |
| PL1802            | PVC DN 110    | 101,60 | 79,47   | PC1750 | PC1751 |
| PL1803            | PVC DN 110    | 101,60 | 93,58   | PC1750 | PC1752 |
| PL1804            | PVC DN 110    | 101,60 | 220,34  | PC1753 | PC1752 |
| PL1805            | PVC DN 110    | 101,60 | 318,06  | PC1750 | PC1753 |
| PL1806            | PVC DN 160    | 147,60 | 275,31  | PC1754 | PC1737 |
| PL1807            | PV DN C280    | 258,60 | 30,36   | PC1755 | PC1754 |
| PL1808            | DUCTIL DN 250 | 250,40 | 152,34  | PC1730 | PC1755 |
| PL1809            | DUCTIL DN 250 | 250,40 | 1440,40 | PC1755 | PC1756 |
| PL181             | PEHD DN 63    | 55,40  | 29,23   | PC180  | PC181  |
| PL1810            | DUCTIL DN 250 | 250,40 | 895,28  | PC1756 | PC1757 |
| PL1811            | DUCTIL DN 250 | 250,40 | 38,82   | PC1758 | PC1757 |
| PL1812            | DUCTIL DN 250 | 250,40 | 361,33  | PC1759 | PC1758 |
| PL1812A           | PEHD DN 63    | 55,40  | 374,96  | PC1760 | PC1758 |
| PL1813            | PEHD DN 63    | 55,40  | 16,59   | PC1759 | PC1760 |
| PL1814            | DUCTIL DN 250 | 250,40 | 449,15  | PC1761 | PC1759 |
| PL1815            | PEHD DN 63    | 55,40  | 697,19  | PC1763 | PC1760 |
| PL1816            | PEHD DN 110   | 96,80  | 1110,42 | PC1757 | PC1765 |
| PL1817            | PEHD DN 63    | 55,40  | 93,56   | PC1761 | PC1762 |
| PL1818            | DUCTIL DN 250 | 250,40 | 261,80  | PC1766 | PC1761 |
| PL1819            | PEHD DN 63    | 55,40  | 14,19   | PC1764 | PC1763 |
| PL182             | PEHD DN 40    | 35,20  | 73,80   | PC180  | PC182  |
| PL1820            | DUCTIL DN 250 | 250,40 | 0,65    | PC1765 | PC1766 |
| PL1821            | PVC DN 110    | 101,60 | 16,32   | PC1767 | PC1768 |
| PL1822            | DUCTIL DN 250 | 250,40 | 31,41   | PC1768 | PC1766 |
| PL1822A           | DUCTIL DN 250 | 250,40 | 27,72   | PC1777 | PC1768 |
| PL1823            | PVC DN 110    | 101,60 | 342,52  | PC1769 | PC1767 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadhevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>294/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL1824  | PVC DN 110    | 101,60 | 148,34 | PC1769 | PC1770 |
| PL1825  | PVC DN 110    | 101,60 | 417,35 | PC1770 | PC1771 |
| PL1826  | PVC DN 110    | 101,60 | 904,12 | PC1770 | PC1772 |
| PL1827  | PVC DN 63     | 57,00  | 183,40 | PC1772 | PC1773 |
| PL1828  | PVC DN 110    | 101,60 | 83,15  | PC1772 | PC1774 |
| PL1829  | PVC DN 63     | 57,00  | 115,05 | PC1776 | PC1774 |
| PL183   | PEHD DN 110   | 96,80  | 139,63 | PC183  | PC179  |
| PL1830  | PVC DN 63     | 57,00  | 102,87 | PC1774 | PC1775 |
| PL1831  | PVC DN 110    | 110,20 | 12,31  | PC1765 | PC1767 |
| PL1832  | PEHD DN 63    | 55,40  | 10,15  | PC1778 | PC1777 |
| PL1833  | DUCTIL DN 250 | 250,40 | 108,25 | PC1777 | PC1779 |
| PL1834  | PEHD DN 110   | 96,80  | 109,14 | PC1780 | PC1777 |
| PL1835  | PVC DN 110    | 101,60 | 223,18 | PC1779 | PC1781 |
| PL1836  | PEHD DN 63    | 55,40  | 106,86 | PC1781 | PC1782 |
| PL1837  | PVC DN 110    | 101,60 | 204,68 | PC1781 | PC1783 |
| PL1838  | PEHD DN 63    | 55,40  | 267,23 | PC1784 | PC1778 |
| PL1839  | PEHD DN 110   | 96,80  | 438,72 | PC1780 | PC1787 |
| PL184   | PEHD DN 110   | 96,80  | 506,95 | PC183  | PC184  |
| PL1840  | DUCTIL DN 250 | 250,40 | 314,94 | PC1779 | PC1785 |
| PL1841  | PEHD DN 63    | 55,40  | 141,55 | PC1786 | PC1784 |
| PL1841A | PEHD DN 63    | 55,40  | 11,00  | PC1786 | PC1785 |
| PL1842  | PEHD DN 63    | 55,40  | 128,62 | PC1788 | PC1786 |
| PL1843  | PEHD DN 63    | 55,40  | 190,50 | PC1789 | PC1788 |
| PL1844  | DUCTIL DN 250 | 250,40 | 123,63 | PC1785 | PC1787 |
| PL1845  | DUCTIL DN 250 | 250,40 | 467,88 | PC1787 | PC1790 |
| PL1846  | PVC DN 110    | 101,60 | 18,98  | PC1791 | PC1790 |
| PL1847  | PVC DN 110    | 101,60 | 218,13 | PC1791 | PC1792 |
| PL1848  | PVC DN 160    | 147,60 | 113,44 | PC1790 | PC1793 |
| PL1849  | PVC DN 110    | 101,60 | 232,66 | PC1793 | PC1794 |
| PL185   | PEHD DN 110   | 96,80  | 385,23 | PC185  | PC183  |
| PL1850  | PVC DN 110    | 101,60 | 467,02 | PC1793 | PC1795 |
| PL1851  | PVC DN 110    | 101,60 | 275,73 | PC1794 | PC1795 |
| PL1852  | PVC DN 110    | 101,60 | 119,51 | PC1794 | PC1796 |
| PL1853  | PVC DN 110    | 101,60 | 316,00 | PC1795 | PC1796 |
| PL1854  | PVC DN 110    | 101,60 | 186,54 | PC1796 | PC1797 |
| PL1855  | DUCTIL DN 250 | 250,40 | 1,08   | PC1790 | PC1798 |
| PL1856  | PEHD DN 63    | 55,40  | 151,74 | PC1790 | PC1799 |
| PL1857  | PEHD DN 110   | 96,80  | 262,02 | PC1798 | PC1804 |
| PL1858  | DUCTIL DN 250 | 250,40 | 142,97 | PC1798 | PC1800 |
| PL1859  | PEHD DN 63    | 55,40  | 8,76   | PC1799 | PC1800 |
| PL186   | PEHD DN 110   | 96,80  | 326,13 | PC186  | PC185A |
| PL1860  | PEHD DN 63    | 55,40  | 4,06   | PC1800 | PC1801 |
| PL1861  | DUCTIL DN 250 | 250,40 | 31,79  | PC1800 | PC1802 |
| PL1862  | PEHD DN 63    | 55,40  | 113,60 | PC1799 | PC1803 |
| PL1863  | DUCTIL DN 250 | 250,40 | 121,90 | PC1802 | PC1806 |
| PL1864  | PEHD DN 63    | 55,40  | 6,87   | PC1803 | PC1804 |
| PL1865  | PEHD DN 63    | 55,40  | 2,22   | PC1804 | PC1805 |
| PL1866  | PEHD DN 110   | 96,80  | 37,82  | PC1804 | PC1806 |
| PL1867  | DUCTIL DN 250 | 250,40 | 919,12 | PC1806 | PC1807 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>295/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|                               |               |        |         |        |        |
|-------------------------------|---------------|--------|---------|--------|--------|
| PL1868                        | DUCTIL DN 250 | 250,40 | 416,50  | PC1807 | PC1808 |
| PL1869                        | DUCTIL DN 250 | 250,40 | 317,91  | PC1808 | PC1809 |
| PL187                         | PEHD DN 110   | 96,80  | 569,80  | PC186  | PC189  |
| PL1870                        | PEHD DN 110   | 96,80  | 318,21  | PC1808 | PC1810 |
| PL1871                        | PEHD DN 110   | 96,80  | 0,58    | PC1810 | PC1809 |
| PL1872                        | PEHD DN 110   | 96,80  | 11,35   | PC1810 | PC1811 |
| PL1873                        | PEHD DN 110   | 96,80  | 8,68    | PC1811 | PC1812 |
| PL1874                        | PVC DN 110    | 101,60 | 87,07   | PC1812 | PC1813 |
| PL1875                        | DUCTIL DN 250 | 250,40 | 35,31   | PC1809 | PC1814 |
| PL1876                        | PEHD DN 160   | 141,00 | 4,21    | PC1815 | PC1814 |
| PL1877                        | PVC DN 160    | 147,60 | 14,24   | PC1816 | PC1815 |
| PL1878                        | PVC DN 160    | 147,60 | 502,88  | PC1816 | PC1817 |
| PL1879                        | PVC DN 160    | 147,60 | 144,71  | PC1817 | PC1818 |
| PL188                         | PEHD DN 75    | 66,00  | 103,35  | PC189  | PC190  |
| PL1880                        | PVC DN 110    | 101,60 | 120,97  | PC1818 | PC1819 |
| PL1881                        | PVC DN 160    | 147,60 | 406,33  | PC1818 | PC1820 |
| PL1882                        | PVC DN 110    | 101,60 | 412,71  | PC1821 | PC1817 |
| PL1883                        | PVC DN 110    | 101,60 | 202,26  | PC1820 | PC1821 |
| PL1884                        | PVC DN 110    | 101,60 | 251,79  | PC1821 | PC1822 |
| PL1885                        | PVC DN 110    | 101,60 | 127,99  | PC1820 | PC1823 |
| PL1886                        | PEHD DN 63    | 55,40  | 25,01   | PC1823 | PC1824 |
| PL1887                        | PEHD DN 63    | 55,40  | 79,17   | PC1824 | PC1825 |
| PL1888                        | PEHD DN 63    | 55,40  | 33,44   | PC1824 | PC1826 |
| PL1889                        | PVC DN 110    | 101,60 | 675,37  | PC1823 | PC1827 |
| PL189                         | PEHD DN 32    | 28,20  | 148,32  | PC190  | PC191  |
| PL1890                        | PVC DN 110    | 101,60 | 38,51   | PC1828 | PC1812 |
| PL1891                        | DUCTIL DN 250 | 250,40 | 720,54  | PC1829 | PC1830 |
| PL1892                        | PV DN C280    | 258,60 | 593,84  | PC1831 | PC1832 |
| PL1893_rekonstrukcija         | PEHD DN 225   | 198,60 | 1071,77 | PC1833 | PC2903 |
| PL1894                        | PVC DN 110    | 101,60 | 244,62  | PC1834 | PC1828 |
| PL1895                        | PVC DN 110    | 101,60 | 65,83   | PC1835 | PC1834 |
| PL1896                        | PEHD DN 50    | 44,00  | 158,16  | PC1835 | PC1836 |
| PL1897                        | PVC DN 110    | 101,60 | 92,40   | PC1837 | PC1835 |
| PL1898                        | PVC DN 110    | 101,60 | 212,03  | PC1837 | PC1838 |
| PL1899                        | PVC DN 110    | 101,60 | 269,88  | PC1839 | PC1837 |
| PL19                          | PVC DN 90     | 81,40  | 239,13  | PC18   | PC18A  |
| PL190                         | PEHD DN 32    | 28,20  | 300,35  | PC190  | PC192  |
| PL1900_rekonstrukcija         | PEHD DN 225   | 198,60 | 138,39  | PC1840 | PC1839 |
| PL1901                        | PVC DN 160    | 147,60 | 427,71  | PC1834 | PC1840 |
| PL1902                        | PEHD DN 225   | 198,20 | 234,20  | PC1830 | PC1840 |
| PL1903_rekonstrukcija         | PEHD DN 225   | 198,60 | 97,21   | PC1840 | PC1841 |
| PL1904                        | PVC DN 110    | 101,60 | 102,43  | PC1841 | PC1842 |
| PL1905                        | PVC DN 110    | 101,60 | 105,96  | PC1842 | PC1843 |
| PL1906                        | PVC DN 110    | 101,60 | 83,00   | PC1842 | PC1844 |
| PL1907_rekonstrukcija         | PEHD DN 225   | 198,60 | 121,36  | PC1844 | PC1841 |
| PL1908_rekonstrukcija         | PEHD DN 225   | 198,60 | 144,17  | PC1844 | PC1845 |
| PL1909                        | PVC DN 110    | 101,60 | 89,96   | PC1845 | PC1846 |
| PL191_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 956,55  | PC169  | PC188  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>296/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                               |               |        |         |        |         |
|-------------------------------|---------------|--------|---------|--------|---------|
| PL1910_rekonstrukcija         | PEHD DN 225   | 198,60 | 81,97   | PC1845 | PC1847  |
| PL1911                        | PVC DN 110    | 101,60 | 108,08  | PC1847 | PC1848  |
| PL1912_rekonstrukcija         | PEHD DN 225   | 198,60 | 148,80  | PC1847 | PC1849  |
| PL1913                        | PVC DN 110    | 101,60 | 61,06   | PC1849 | PC1850  |
| PL1914a_rekonstrukcija        | PEHD DN 225   | 198,20 | 58,02   | PC1849 | PC1833A |
| PL1915                        | PVC DN 225    | 207,80 | 218,66  | PC1851 | PC1839  |
| PL1916                        | PEHD DN 225   | 198,20 | 425,50  | PC1851 | PC1852  |
| PL1917                        | PEHD DN 225   | 198,20 | 1072,38 | PC1854 | PC1853  |
| PL1918                        | PEHD DN 225   | 198,20 | 1592,97 | PC1854 | PC1855  |
| PL1919                        | PEHD DN 225   | 198,20 | 124,93  | PC1855 | PC1856  |
| PL192                         | PEHD DN 110   | 96,80  | 63,45   | PC186  | PC187C  |
| PL1920                        | PVC DN 110    | 101,60 | 208,88  | PC1857 | PC1856  |
| PL1921                        | PVC DN 110    | 101,60 | 705,53  | PC1858 | PC1857  |
| PL1922                        | PEHD DN 225   | 198,20 | 750,06  | PC1859 | PC1856  |
| PL1923                        | PVC DN 110    | 101,60 | 226,34  | PC1859 | PC1858  |
| PL1924                        | PEHD DN 110   | 96,80  | 571,21  | PC1860 | PC1858  |
| PL1925                        | PEHD DN 160   | 141,00 | 89,96   | PC1860 | PC1861  |
| PL1926                        | PEHD DN 160   | 141,00 | 137,93  | PC1862 | PC1860  |
| PL1927                        | PVC DN 110    | 101,60 | 64,85   | PC1865 | PC1862  |
| PL1928                        | PEHD DN 225   | 198,20 | 350,75  | PC1862 | PC1863  |
| PL1929                        | PEHD DN 75    | 66,00  | 40,98   | PC1863 | PC1864  |
| PL193_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 339,45  | PC193  | PC187A  |
| PL1930                        | PVC DN 110    | 101,60 | 13,62   | PC1866 | PC1865  |
| PL1931                        | DUCTIL DN 400 | 402,80 | 231,62  | PC1865 | PC1867  |
| PL1932                        | PVC DN 110    | 101,60 | 62,01   | PC1868 | PC1867  |
| PL1933                        | PEHD DN 75    | 66,00  | 89,08   | PC1868 | PC1869  |
| PL1934                        | PVC DN 110    | 101,60 | 267,80  | PC1868 | PC1870  |
| PL1935                        | PEHD DN 110   | 96,80  | 450,61  | PC1863 | PC1870  |
| PL1936                        | PEHD DN 225   | 198,20 | 283,56  | PC1863 | PC1859  |
| PL1937                        | PVC DN 160    | 147,60 | 329,87  | PC1870 | PC1871  |
| PL1938                        | PVC DN 160    | 147,60 | 47,30   | PC1871 | PC1872  |
| PL1939                        | PVC DN 110    | 101,60 | 158,95  | PC1873 | PC1872  |
| PL194_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 425,11  | PC188  | PC187B  |
| PL1940                        | PVC DN 110    | 101,60 | 209,33  | PC1874 | PC1873  |
| PL1941                        | PVC DN 110    | 101,60 | 184,87  | PC1874 | PC1875  |
| PL1942                        | PVC DN 110    | 101,60 | 79,02   | PC1875 | PC1876  |
| PL1943                        | PVC DN 110    | 101,60 | 170,59  | PC1875 | PC1877  |
| PL1944                        | PVC DN 110    | 101,60 | 391,56  | PC1878 | PC1874  |
| PL1945                        | PVC DN 110    | 101,60 | 185,47  | PC1879 | PC1878  |
| PL1946                        | PVC DN 110    | 101,60 | 417,10  | PC1879 | PC1873  |
| PL1947                        | PEHD DN 110   | 96,80  | 110,14  | PC1880 | PC1878  |
| PL1948                        | PEHD DN 110   | 96,80  | 13,88   | PC1880 | PC1881  |
| PL1949                        | PEHD DN 110   | 96,80  | 286,15  | PC1880 | PC1882  |
| PL195_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 411,27  | PC194  | PC193   |
| PL1950                        | PVC DN 110    | 101,60 | 329,18  | PC1882 | PC1883  |
| PL1951                        | PVC DN 110    | 101,60 | 162,40  | PC1884 | PC1882  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>297/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                |               |        |         |        |        |
|--------------------------------|---------------|--------|---------|--------|--------|
| PL1952                         | PVC DN 110    | 101,60 | 148,28  | PC1884 | PC1885 |
| PL1953                         | PVC DN 110    | 101,60 | 367,67  | PC1884 | PC1879 |
| PL1954                         | PVC DN 160    | 147,60 | 708,52  | PC1884 | PC1886 |
| PL1955                         | PVC DN 160    | 147,60 | 155,77  | PC1887 | PC1884 |
| PL1956                         | PVC DN 110    | 101,60 | 365,84  | PC1888 | PC1887 |
| PL1957                         | PVC DN 110    | 101,60 | 296,38  | PC1889 | PC1888 |
| PL1958                         | PVC DN 160    | 147,60 | 201,81  | PC1872 | PC1889 |
| PL1959                         | PVC DN 110    | 101,60 | 71,10   | PC1888 | PC1890 |
| PL196                          | PVC DN 110    | 101,60 | 113,53  | PC194  | PC195  |
| PL1960                         | PEHD DN 110   | 96,80  | 113,88  | PC1890 | PC1891 |
| PL1961                         | PEHD DN 63    | 55,40  | 71,42   | PC1891 | PC1892 |
| PL1962                         | PVC DN 110    | 101,60 | 348,57  | PC1890 | PC1893 |
| PL1963                         | PVC DN 160    | 147,60 | 624,24  | PC1889 | PC1894 |
| PL1964                         | PVC DN 160    | 147,60 | 674,75  | PC1894 | PC1887 |
| PL1965                         | PVC DN 110    | 101,60 | 1153,21 | PC1895 | PC1871 |
| PL1966                         | PEHD DN 63    | 55,40  | 55,00   | PC1895 | PC1896 |
| PL1967                         | PVC DN 110    | 101,60 | 117,70  | PC1897 | PC1895 |
| PL1968                         | PVC DN 110    | 101,60 | 10,07   | PC1897 | PC1898 |
| PL1969                         | PVC DN 110    | 101,60 | 168,21  | PC1894 | PC1897 |
| PL197                          | PVC DN 110    | 101,60 | 345,86  | PC195  | PC196  |
| PL1970                         | PVC DN 110    | 101,60 | 306,03  | PC1898 | PC1899 |
| PL1971                         | PVC DN 110    | 101,60 | 8,08    | PC1898 | PC1900 |
| PL1972                         | PEHD DN 63    | 55,40  | 87,67   | PC1900 | PC1901 |
| PL1973                         | PVC DN 110    | 101,60 | 75,74   | PC1900 | PC1902 |
| PL1974                         | PEHD DN 40    | 35,20  | 55,29   | PC1902 | PC1903 |
| PL1975                         | PVC DN 110    | 101,60 | 202,72  | PC1902 | PC1904 |
| PL1976                         | PVC DN 110    | 101,60 | 363,72  | PC1895 | PC1905 |
| PL1977                         | PEHD DN 110   | 96,80  | 490,40  | PC1906 | PC1905 |
| PL1978                         | PEHD DN 110   | 96,80  | 1564,72 | PC1907 | PC1906 |
| PL1979                         | DUCTIL DN 500 | 500,00 | 289,72  | PC1696 | PC1908 |
| PL198                          | PVC DN 110    | 101,60 | 322,10  | PC195  | PC197  |
| PL1980                         | DUCTIL DN 500 | 500,00 | 734,56  | PC1908 | PC1909 |
| PL1981                         | DUCTIL DN 500 | 500,00 | 561,41  | PC1909 | PC1910 |
| PL1982_rekonstrukc_Vodoprojekt | DUCTIL DN 400 | 402,80 | 199,20  | PC1867 | PC1910 |
| PL1983                         | DUCTIL DN 400 | 402,80 | 359,41  | PC1911 | PC1865 |
| PL1984                         | PEHD DN 32    | 28,20  | 39,60   | PC1912 | PC1911 |
| PL1985                         | PEHD DN 32    | 28,20  | 92,53   | PC1912 | PC1913 |
| PL1986                         | DUCTIL DN 400 | 402,80 | 116,70  | PC1914 | PC1911 |
| PL1987                         | PVC DN 160    | 147,60 | 60,95   | PC1915 | PC1696 |
| PL1988                         | DUCTIL DN 300 | 301,60 | 80,28   | PC1916 | PC1915 |
| PL1989                         | PVC DN 160    | 147,60 | 617,05  | PC1916 | PC1917 |
| PL199                          | PVC DN 110    | 101,60 | 238,06  | PC197  | PC198  |
| PL1990                         | PVC DN 160    | 147,60 | 46,08   | PC1918 | PC1917 |
| PL1991                         | PVC DN 225    | 207,80 | 64,96   | PC1918 | PC1919 |
| PL1992                         | PVC DN 225    | 207,80 | 219,77  | PC1920 | PC1918 |
| PL1993                         | PVC DN 160    | 147,60 | 120,63  | PC1920 | PC1921 |
| PL1994                         | AC DN 150     | 150,00 | 48,36   | PC1922 | PC1921 |
| PL1995                         | PVC DN 160    | 147,60 | 150,19  | PC1922 | PC1923 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>298/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                                   |               |        |         |        |        |
|-----------------------------------|---------------|--------|---------|--------|--------|
| PL1996                            | AC DN 100     | 150,00 | 115,84  | PC1924 | PC1922 |
| PL1997                            | LZ DN 150     | 150,00 | 232,80  | PC1925 | PC1924 |
| PL1998                            | LZ DN 200     | 200,00 | 41,48   | PC1925 | PC1926 |
| PL1999                            | LZ DN 200     | 200,00 | 157,45  | PC1926 | PC1927 |
| PL19A                             | PVC DN 90     | 81,40  | 387,34  | PC18B  | PC19   |
| PL2                               | LZ DN 200     | 200,00 | 195,04  | PC1926 | PC1928 |
| PL20_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 389,49  | PC20   | PC18   |
| PL200                             | PVC DN 110    | 101,60 | 260,18  | PC197  | PC199  |
| PL2001                            | PVC DN 110    | 101,60 | 50,43   | PC1928 | PC1929 |
| PL2002                            | LZ DN 200     | 200,00 | 178,39  | PC1928 | PC1930 |
| PL2003                            | PVC DN 160    | 147,60 | 39,66   | PC1930 | PC1931 |
| PL2004                            | LZ DN 200     | 200,00 | 252,38  | PC1930 | PC1932 |
| PL2005                            | PVC DN 160    | 147,60 | 151,64  | PC1932 | PC1933 |
| PL2006                            | LZ DN 200     | 200,00 | 169,70  | PC1932 | PC1934 |
| PL2007                            | LZ DN 200     | 200,00 | 75,01   | PC1935 | PC1925 |
| PL2008                            | DUCTIL DN 400 | 402,80 | 887,93  | PC1935 | PC1936 |
| PL2009                            | DUCTIL DN 400 | 402,80 | 2036,70 | PC1937 | PC1936 |
| PL201                             | PVC DN 110    | 101,60 | 15,10   | PC200  | PC199  |
| PL2010                            | DUCTIL DN 400 | 402,80 | 90,50   | PC1555 | PC1937 |
| PL2010A                           | DUCTIL DN 400 | 402,80 | 58,46   | PC1401 | PC1555 |
| PL2011                            | PEHD DN 160   | 141,00 | 127,63  | PC1935 | PC1938 |
| PL2012                            | PEHD DN 160   | 141,00 | 57,69   | PC1938 | PC1939 |
| PL2013                            | PEHD DN 160   | 141,00 | 180,72  | PC1938 | PC1940 |
| PL2014                            | PEHD DN 160   | 141,00 | 223,28  | PC1941 | PC1940 |
| PL2015                            | PEHD DN 160   | 141,00 | 99,06   | PC1940 | PC1942 |
| PL2016                            | PEHD DN 160   | 141,00 | 150,86  | PC1942 | PC1943 |
| PL2017                            | PEHD DN 160   | 141,00 | 161,51  | PC1942 | PC1944 |
| PL2018                            | PEHD DN 160   | 141,00 | 150,86  | PC1945 | PC1944 |
| PL2019                            | PEHD DN 160   | 141,00 | 184,42  | PC1946 | PC1944 |
| PL202_rekonstrukc_<br>Vodoprojekt | PVC DN 160    | 141,00 | 533,29  | PC202  | PC194  |
| PL2020                            | PEHD DN 160   | 141,00 | 111,86  | PC1947 | PC1946 |
| PL2021                            | PEHD DN 160   | 141,00 | 20,64   | PC1948 | PC1946 |
| PL2022                            | DUCTIL DN 300 | 301,60 | 117,74  | PC1948 | PC1949 |
| PL2023                            | PEHD DN 160   | 141,00 | 121,95  | PC1949 | PC1950 |
| PL2024                            | PEHD DN 160   | 141,00 | 62,37   | PC1950 | PC1951 |
| PL2025                            | PEHD DN 160   | 141,00 | 141,29  | PC1950 | PC1952 |
| PL2026                            | DUCTIL DN 300 | 301,60 | 109,92  | PC1949 | PC1953 |
| PL2027                            | PVC DN 225    | 207,80 | 23,18   | PC1953 | PC1954 |
| PL_28                             | PVC DN 280    | 258,60 | 1540,00 | PC2497 | 15     |
| PL2028                            | DUCTIL DN 300 | 301,60 | 509,13  | PC1953 | PC1935 |
| PL2029                            | DUCTIL DN 300 | 301,60 | 20,86   | PC1948 | PC1955 |
| PL202A                            | PEHD DN 50    | 44,00  | 144,86  | PC199A | PC201  |
| PL203                             | PVC DN 110    | 101,60 | 222,68  | PC204A | PC202  |
| PL2030                            | DUCTIL DN 300 | 301,60 | 345,68  | PC1956 | PC1955 |
| PL2031                            | PVC DN 160    | 147,60 | 17,23   | PC1956 | PC1957 |
| PL2032                            | DUCTIL DN 300 | 301,60 | 1056,19 | PC1956 | PC1958 |
| PL2033                            | PEHD DN 225   | 198,20 | 523,41  | PC1958 | PC1959 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>299/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                       |             |        |        |        |        |
|-----------------------|-------------|--------|--------|--------|--------|
| PL2034                | PEHD DN 225 | 198,20 | 133,48 | PC1960 | PC1959 |
| PL2035                | PVC DN 110  | 101,60 | 249,64 | PC1960 | PC1962 |
| PL2036                | PEHD DN 225 | 198,20 | 9,90   | PC1961 | PC1960 |
| PL2036A               | PVC DN 110  | 101,60 | 12,60  | PC1961 | PC1960 |
| PL2037                | PVC DN 110  | 101,60 | 320,60 | PC1962 | PC1963 |
| PL2038                | PVC DN 110  | 101,60 | 276,37 | PC1965 | PC1961 |
| PL2039                | PVC DN 110  | 101,60 | 108,96 | PC1965 | PC1964 |
| PL204                 | PVC DN 110  | 101,60 | 241,21 | 2      | PC206  |
| PL2040                | PVC DN 110  | 101,60 | 84,91  | PC1964 | PC1963 |
| PL2041                | PVC DN 110  | 101,60 | 63,14  | PC1971 | PC1963 |
| PL2042                | PEHD DN 110 | 96,80  | 63,83  | PC1972 | PC1964 |
| PL2043                | PVC DN 110  | 101,60 | 83,40  | PC1972 | PC1971 |
| PL2044                | PEHD DN 110 | 96,80  | 54,74  | PC1969 | PC1972 |
| PL2045                | PEHD DN 90  | 79,20  | 87,36  | PC1969 | PC1970 |
| PL2046                | PVC DN 110  | 101,60 | 52,92  | PC1970 | PC1971 |
| PL2047                | PVC DN 110  | 101,60 | 82,36  | PC1966 | PC1965 |
| PL2048                | PVC DN 90   | 81,40  | 41,15  | PC1966 | PC1967 |
| PL2049                | PVC DN 110  | 101,60 | 38,35  | PC1968 | PC1966 |
| PL205                 | PVC DN 110  | 101,60 | 287,00 | PC207  | PC205  |
| PL2050                | PVC DN 110  | 101,60 | 107,73 | PC1968 | PC1969 |
| PL2051                | PVC DN 110  | 101,60 | 25,24  | PC1973 | PC1968 |
| PL2052                | PVC DN 110  | 101,60 | 97,84  | PC1973 | PC1974 |
| PL2053                | PVC DN 110  | 101,60 | 64,77  | PC1973 | PC1975 |
| PL2054_rekonstrukcija | PEHD DN 160 | 141,00 | 187,62 | PC1975 | PC1976 |
| PL2055                | PEHD DN 225 | 198,20 | 194,87 | PC1977 | PC1976 |
| PL2056                | PEHD DN 225 | 198,20 | 98,85  | PC1977 | PC1961 |
| PL2057                | LZ DN 150   | 150,00 | 248,37 | PC1978 | PC1976 |
| PL2058                | PVC DN 225  | 207,80 | 41,70  | PC1978 | PC1979 |
| PL2058A               | PVC DN 225  | 207,80 | 26,11  | PC1979 | PC1991 |
| PL2059                | PVC DN 110  | 101,60 | 28,54  | PC1979 | PC1980 |
| PL206                 | PVC DN 160  | 147,60 | 224,86 | PC207  | PC208  |
| PL2060_rekonstrukcija | PEHD DN 160 | 141,00 | 133,22 | PC1991 | PC1975 |
| PL2061                | PVC DN 110  | 101,60 | 5,14   | PC1991 | PC1992 |
| PL2062                | PVC DN 110  | 101,60 | 23,16  | PC1992 | PC1993 |
| PL2063                | PVC DN 110  | 101,60 | 27,08  | PC1994 | PC1992 |
| PL2064                | PVC DN 110  | 101,60 | 103,73 | PC1994 | PC1995 |
| PL2065                | PVC DN 110  | 101,60 | 46,93  | PC1995 | PC1996 |
| PL2066                | PVC DN 110  | 101,60 | 39,45  | PC1996 | PC1997 |
| PL2067                | PVC DN 110  | 101,60 | 63,89  | PC1997 | PC1998 |
| PL2068                | PEHD DN 90  | 79,20  | 85,48  | PC1999 | PC1998 |
| PL2069                | PEHD DN 90  | 79,20  | 62,61  | PC1995 | PC1999 |
| PL207                 | PVC DN 160  | 147,60 | 227,84 | PC208  | PC209  |
| PL2070                | PEHD DN 90  | 79,20  | 64,40  | PC1999 | PC1969 |
| PL2071                | PVC DN 110  | 101,60 | 63,96  | PC1998 | PC1970 |
| PL2072                | LZ DN 200   | 200,00 | 35,82  | PC2000 | PC1978 |
| PL2073                | LZ DN 200   | 200,00 | 105,96 | PC2001 | PC2000 |
| PL2074                | PEHD DN 225 | 198,20 | 28,12  | PC2001 | PC2002 |
| PL2075                | PVC DN 160  | 147,60 | 42,00  | PC2002 | PC2003 |
| PL2076                | PVC DN 110  | 101,60 | 30,19  | PC2003 | PC2004 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>300/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2077 | PVC DN 160  | 147,60 | 92,71  | PC2003 | PC2005 |
| PL2078 | PEHD DN 90  | 79,20  | 24,24  | PC2005 | PC2006 |
| PL2079 | PEHD DN 225 | 198,20 | 75,42  | PC2007 | PC2001 |
| PL208  | PVC DN 160  | 147,60 | 73,98  | PC208  | PC210  |
| PL2080 | PEHD DN 90  | 79,20  | 45,31  | PC2008 | PC2007 |
| PL2081 | PEHD DN 225 | 198,20 | 41,01  | PC2009 | PC2007 |
| PL2082 | PVC DN 110  | 101,60 | 7,88   | PC2009 | PC2010 |
| PL2083 | PEHD DN 225 | 198,20 | 7,40   | PC2009 | PC2010 |
| PL2084 | PVC DN 75   | 67,80  | 103,39 | PC2010 | PC2011 |
| PL2085 | PVC DN 90   | 81,40  | 106,43 | PC2010 | PC2012 |
| PL2086 | PEHD DN 90  | 79,20  | 8,85   | PC2012 | PC2013 |
| PL2087 | PEHD DN 90  | 79,20  | 5,99   | PC2014 | PC2012 |
| PL2088 | PVC DN 110  | 101,60 | 14,91  | PC2014 | PC2015 |
| PL2089 | PEHD DN 90  | 79,20  | 36,84  | PC2016 | PC2014 |
| PL209  | PVC DN 110  | 101,60 | 58,71  | PC210  | PC211  |
| PL2090 | PVC DN 160  | 147,60 | 17,89  | PC2009 | PC2017 |
| PL2091 | PVC DN 110  | 101,60 | 106,13 | PC2017 | PC1994 |
| PL2092 | PVC DN 160  | 147,60 | 54,05  | PC2017 | PC2018 |
| PL2093 | PVC DN 110  | 101,60 | 200,28 | PC2018 | PC1996 |
| PL2094 | PVC DN 110  | 101,60 | 108,31 | PC2019 | PC1997 |
| PL2095 | PVC DN 160  | 147,60 | 137,41 | PC2018 | PC2019 |
| PL2096 | PVC DN 160  | 147,60 | 62,59  | PC2020 | PC2019 |
| PL2097 | PVC DN 160  | 147,60 | 89,15  | PC2020 | PC2021 |
| PL2098 | PVC DN 160  | 147,60 | 98,62  | PC2022 | PC2020 |
| PL2099 | PVC DN 225  | 207,80 | 172,50 | PC2022 | PC2023 |
| PL21   | PVC DN 90   | 81,40  | 235,97 | PC20   | PC21   |
| PL210  | PVC DN 160  | 147,60 | 74,64  | PC210  | PC212  |
| PL2100 | PVC DN 160  | 147,60 | 42,50  | PC2023 | PC2024 |
| PL2101 | PVC DN 160  | 147,60 | 96,13  | PC2025 | PC2024 |
| PL2102 | PVC DN 160  | 147,60 | 105,42 | PC2026 | PC2025 |
| PL2103 | PVC DN 160  | 147,60 | 121,11 | PC2026 | PC2024 |
| PL2104 | PVC DN 160  | 147,60 | 37,49  | PC2027 | PC2026 |
| PL2105 | PVC DN 160  | 147,60 | 71,88  | PC2027 | PC2028 |
| PL2106 | PVC DN 225  | 207,80 | 54,30  | PC2028 | PC2023 |
| PL2107 | PVC DN 225  | 207,80 | 80,14  | PC2030 | PC2028 |
| PL2108 | PVC DN 160  | 147,60 | 116,16 | PC2030 | PC2029 |
| PL2109 | PVC DN 160  | 147,60 | 25,07  | PC2029 | PC2027 |
| PL211  | PVC DN 160  | 147,60 | 80,41  | PC212  | PC214  |
| PL2110 | PVC DN 160  | 147,60 | 146,96 | PC2031 | PC2029 |
| PL2111 | PVC DN 225  | 207,80 | 24,39  | PC2031 | PC2030 |
| PL2112 | PVC DN 225  | 207,80 | 69,48  | PC2046 | PC2031 |
| PL2113 | PVC DN 160  | 147,60 | 75,03  | PC2022 | PC2032 |
| PL2114 | PVC DN 110  | 101,60 | 56,88  | PC2032 | PC2033 |
| PL2115 | PVC DN 160  | 147,60 | 76,17  | PC2032 | PC2034 |
| PL2116 | PVC DN 160  | 147,60 | 80,13  | PC2034 | PC2035 |
| PL2117 | PVC DN 160  | 147,60 | 78,20  | PC2036 | PC2034 |
| PL2118 | PVC DN 160  | 147,60 | 21,50  | PC2037 | PC2036 |
| PL2119 | PVC DN 225  | 207,80 | 94,27  | PC2038 | PC2036 |
| PL212  | PVC DN 110  | 101,60 | 175,61 | PC214  | PC215  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>301/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |        |        |        |
|---------|---------------|--------|--------|--------|--------|
| PL2120  | PVC DN 110    | 101,60 | 32,54  | PC2038 | PC2039 |
| PL2121  | PVC DN 225    | 207,80 | 63,04  | PC2040 | PC2038 |
| PL2122  | PVC DN 225    | 207,80 | 19,88  | PC2046 | PC2040 |
| PL2123  | PVC DN 225    | 207,80 | 111,33 | PC2045 | PC2046 |
| PL2124  | LZ DN 200     | 200,00 | 25,82  | PC1934 | PC2045 |
| PL2125  | PVC DN 160    | 147,60 | 62,28  | PC1934 | PC2047 |
| PL2126  | PVC DN 90     | 81,40  | 14,86  | PC2047 | PC2048 |
| PL2127  | PVC DN 160    | 147,60 | 67,87  | PC2047 | PC2041 |
| PL2128  | PEHD DN 110   | 96,80  | 24,95  | PC2040 | PC2041 |
| PL2129  | PEHD DN 110   | 96,80  | 106,75 | PC2041 | PC2042 |
| PL213   | PVC DN 110    | 101,60 | 614,68 | PC214  | PC216  |
| PL2130  | PVC DN 160    | 147,60 | 52,96  | PC2041 | PC2043 |
| PL2130A | PVC DN 110    | 101,60 | 15,92  | PC2043 | PC2044 |
| PL2131  | PVC DN 160    | 147,60 | 103,21 | PC2043 | PC2037 |
| PL2132  | PVC DN 160    | 147,60 | 27,42  | PC2037 | PC2049 |
| PL2133  | PVC DN 160    | 147,60 | 127,95 | PC2049 | PC2050 |
| PL2134  | PVC DN 160    | 147,60 | 9,16   | PC2050 | PC2051 |
| PL2135  | PVC DN 160    | 147,60 | 100,80 | PC2050 | PC2052 |
| PL2136  | PEHD DN 160   | 141,00 | 382,98 | PC1955 | PC2049 |
| PL2137  | LZ DN 200     | 200,00 | 235,53 | PC2045 | PC2053 |
| PL2138  | PVC DN 110    | 101,60 | 128,07 | PC2053 | PC2054 |
| PL2139  | LZ DN 200     | 200,00 | 269,78 | PC2053 | PC2055 |
| PL214   | PVC DN 110    | 101,60 | 695,59 | PC216  | PC217  |
| PL2140  | AC DN 100     | 100,00 | 63,78  | PC2055 | PC2056 |
| PL2141  | LZ DN 150     | 150,00 | 50,91  | PC2055 | PC2057 |
| PL2142  | AC DN 80      | 80,00  | 77,82  | PC2057 | PC2058 |
| PL2143  | LZ DN 150     | 150,00 | 35,60  | PC2057 | PC2059 |
| PL2144  | AC DN 80      | 80,00  | 17,92  | PC2059 | PC2060 |
| PL2145  | PEHD DN 90    | 90,00  | 4,77   | PC2060 | PC2061 |
| PL2146  | PEHD DN 90    | 90,00  | 4,77   | PC2060 | PC2062 |
| PL2147  | AC DN 80      | 80,00  | 89,51  | PC2059 | PC2063 |
| PL2148  | LZ DN 200     | 200,00 | 101,49 | PC2055 | PC2001 |
| PL2149  | PVC DN 160    | 147,60 | 346,35 | PC2045 | PC2064 |
| PL215   | PVC DN 110    | 101,60 | 444,91 | PC217  | PC218  |
| PL2150  | AC DN 200     | 200,00 | 109,71 | PC2064 | PC2065 |
| PL2151  | AC DN 200     | 200,00 | 14,89  | PC2065 | PC2066 |
| PL2152  | PVC DN 110    | 101,60 | 96,11  | PC2065 | PC2067 |
| PL2153  | LZ DN 200     | 200,00 | 353,68 | PC2068 | PC2000 |
| PL2154  | LZ DN 100     | 100,00 | 261,55 | PC2069 | PC2068 |
| PL2155  | PEHD DN 225   | 198,20 | 76,79  | PC2070 | PC2069 |
| PL2156  | PEHD DN 225   | 198,20 | 441,23 | PC2064 | PC2070 |
| PL2157  | PEHD DN 225   | 198,20 | 86,69  | PC2071 | PC2070 |
| PL2158  | PEHD DN 225   | 198,20 | 34,21  | PC2071 | PC2072 |
| PL2159  | DUCTIL DN 300 | 301,60 | 384,76 | PC2071 | PC2073 |
| PL216   | PVC DN 110    | 101,60 | 744,35 | PC212  | PC219  |
| PL2160  | PVC DN 160    | 147,60 | 7,82   | PC2074 | PC2073 |
| PL2161  | PVC DN 110    | 101,60 | 257,10 | PC2074 | PC2075 |
| PL2162  | PVC DN 160    | 147,60 | 409,02 | PC2076 | PC2074 |
| PL2163  | PVC DN 160    | 147,60 | 39,60  | PC2076 | PC2077 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>302/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                   |               |        |        |        |        |
|-----------------------------------|---------------|--------|--------|--------|--------|
| PL2164                            | PVC DN 225    | 207,80 | 99,34  | PC2077 | PC2078 |
| PL2165                            | PVC DN 160    | 147,60 | 57,20  | PC2078 | PC2079 |
| PL2166                            | PVC DN 110    | 101,60 | 82,12  | PC2079 | PC2080 |
| PL2167                            | PVC DN 160    | 147,60 | 81,39  | PC2079 | PC2080 |
| PL2168                            | PVC DN 160    | 147,60 | 11,72  | PC2080 | PC2081 |
| PL2169                            | PVC DN 160    | 147,60 | 389,72 | PC1917 | PC2083 |
| PL217                             | PVC DN 110    | 101,60 | 873,40 | PC219  | PC220  |
| PL2170                            | PVC DN 160    | 147,60 | 160,33 | PC2083 | PC2082 |
| PL2171                            | PVC DN 160    | 147,60 | 15,73  | PC2082 | PC2076 |
| PL2172                            | PVC DN 110    | 101,60 | 336,60 | PC2082 | PC2084 |
| PL2173                            | PEHD DN 160   | 141,00 | 234,84 | PC2083 | PC2085 |
| PL2174                            | PVC DN 110    | 101,60 | 56,92  | PC2084 | PC2085 |
| PL2175                            | PVC DN 110    | 101,60 | 12,80  | PC2085 | PC2086 |
| PL2176                            | PEHD DN 160   | 141,00 | 185,50 | PC2085 | PC2087 |
| PL2177                            | PEHD DN 160   | 141,00 | 9,15   | PC1909 | PC2087 |
| PL2178                            | DUCTIL DN 300 | 301,60 | 80,96  | PC2073 | PC2088 |
| PL2179                            | PVC DN 110    | 101,60 | 397,63 | PC2088 | PC2089 |
| PL218_rekonstrukc_<br>Vodoprojekt | PVC DN 160    | 141,00 | 196,00 | PC202  | PC221  |
| PL2180                            | PVC DN 110    | 101,60 | 90,84  | PC2090 | PC2088 |
| PL2181                            | PVC DN 315    | 290,80 | 107,56 | PC2093 | PC2088 |
| PL2182                            | PVC DN 110    | 101,60 | 45,91  | PC2090 | PC2091 |
| PL2183                            | PVC DN 110    | 101,60 | 16,94  | PC2092 | PC2090 |
| PL2184                            | PVC DN 110    | 101,60 | 3,59   | PC2092 | PC2093 |
| PL2185                            | PVC DN 110    | 101,60 | 77,75  | PC2093 | PC2094 |
| PL2186                            | PEHD DN 110   | 96,80  | 166,75 | PC2095 | PC2094 |
| PL2187                            | PVC DN 110    | 101,60 | 71,80  | PC2096 | PC2092 |
| PL2188                            | PVC DN 110    | 101,60 | 171,45 | PC2097 | PC2096 |
| PL2189                            | PVC DN 110    | 101,60 | 167,92 | PC2098 | PC2097 |
| PL219                             | PVC DN 63     | 57,00  | 235,39 | PC221  | PC222  |
| PL2190                            | PVC DN 110    | 101,60 | 66,33  | PC2098 | PC2099 |
| PL2191                            | PVC DN 110    | 101,60 | 62,30  | PC2098 | PC2096 |
| PL2192                            | PVC DN 110    | 101,60 | 190,14 | PC2096 | PC2100 |
| PL2193                            | PVC DN 110    | 101,60 | 202,77 | PC2100 | PC2092 |
| PL2193A                           | PVC DN 315    | 290,80 | 202,37 | PC2100 | PC2093 |
| PL2194                            | PVC DN 315    | 290,80 | 33,72  | PC2101 | PC2100 |
| PL2195                            | DUCTIL DN 300 | 301,60 | 50,56  | PC1910 | PC2101 |
| PL2196                            | PVC DN 160    | 147,60 | 107,92 | PC2073 | PC2102 |
| PL2197                            | PVC DN 160    | 147,60 | 39,98  | PC2104 | PC2102 |
| PL2198                            | PEHD DN 90    | 79,20  | 35,96  | PC2102 | PC2103 |
| PL2199                            | PVC DN 90     | 81,40  | 26,89  | PC2103 | PC2104 |
| PL22_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 196,28 | PC22B  | PC20   |
| PL220_rekonstrukc_<br>Vodoprojekt | PVC DN 160    | 141,00 | 680,29 | PC221  | PC223  |
| PL2200                            | PVC DN 160    | 147,60 | 26,53  | PC2105 | PC2104 |
| PL2201                            | PVC DN 160    | 147,60 | 100,92 | PC2106 | PC2105 |
| PL2202                            | PVC DN 160    | 147,60 | 59,36  | PC2106 | PC2107 |
| PL2203                            | PEHD DN 90    | 79,20  | 141,00 | PC2103 | PC2107 |
| PL2204                            | PVC DN 90     | 81,40  | 103,72 | PC2107 | PC2108 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>303/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                       |               |        |        |        |        |
|-----------------------|---------------|--------|--------|--------|--------|
| PL2205                | PVC DN 160    | 147,60 | 97,62  | PC2107 | PC2109 |
| PL2206                | PVC DN 110    | 101,60 | 282,87 | PC2109 | PC2088 |
| PL2208                | PVC DN 110    | 101,60 | 182,77 | PC2110 | PC2098 |
| PL2209                | PVC DN 110    | 101,60 | 90,36  | PC2110 | PC2111 |
| PL221                 | PVC DN 63     | 57,00  | 434,00 | PC223  | PC224  |
| PL2210                | PVC DN 110    | 101,60 | 25,52  | PC2111 | PC2113 |
| PL2211                | PVC DN 110    | 101,60 | 33,23  | PC2111 | PC2112 |
| PL2212                | PVC DN 110    | 101,60 | 60,24  | PC2114 | PC2110 |
| PL2213                | AC DN 80      | 80,00  | 106,66 | PC2115 | PC2114 |
| PL2214                | PVC DN 160    | 147,60 | 141,26 | PC2109 | PC2115 |
| PL2215                | AC DN 80      | 80,00  | 257,97 | PC2115 | PC2116 |
| PL2216                | PVC DN 110    | 101,60 | 21,13  | PC2117 | PC2116 |
| PL2217                | PVC DN 110    | 101,60 | 222,36 | PC2106 | PC2117 |
| PL2218                | PVC DN 110    | 101,60 | 110,74 | PC2117 | PC2118 |
| PL2219                | AC DN 80      | 80,00  | 134,53 | PC2119 | PC2116 |
| PL222_rekonstrukc_    | PEHD DN 160   | 141,00 | 157,43 | PC223  | PC225  |
| Vodoprojekt           |               |        |        |        |        |
| PL2220                | AC DN 100     | 100,00 | 325,11 | PC2119 | PC2120 |
| PL2221                | DUCTIL DN 300 | 301,60 | 122,94 | PC2119 | PC2121 |
| PL2222                | DUCTIL DN 400 | 402,80 | 64,78  | PC2121 | PC2122 |
| PL2223                | DUCTIL DN 300 | 301,60 | 454,17 | PC2122 | PC2071 |
| PL2224                | DUCTIL DN 400 | 402,80 | 140,16 | PC2122 | PC2123 |
| PL2225                | LZ DN 200     | 200,00 | 212,63 | PC2123 | PC2068 |
| PL2226                | DUCTIL DN 400 | 402,80 | 514,30 | PC2132 | PC2121 |
| PL2227                | PEHD DN 160   | 141,00 | 91,00  | PC2124 | PC2125 |
| PL2228                | AC DN 80      | 80,00  | 362,25 | PC2126 | PC2124 |
| PL2229                | AC DN 80      | 80,00  | 120,84 | PC2115 | PC2126 |
| PL223                 | PVC DN 63     | 57,00  | 223,46 | PC225  | PC226  |
| PL2230                | AC DN 80      | 80,00  | 86,95  | PC2126 | PC2127 |
| PL2231A               | PEHD DN 160   | 141,00 | 200,00 | PC2130 | PC2128 |
| PL2232                | PEHD DN 160   | 141,00 | 252,52 | PC2129 | PC2128 |
| PL2232B               | PEHD DN 160   | 141,00 | 87,06  | PC2128 | PC2124 |
| PL2233                | PEHD DN 110   | 96,80  | 258,40 | PC2130 | PC2131 |
| PL2234                | PEHD DN 63    | 55,40  | 105,75 | PC2133 | PC2130 |
| PL2235                | PVC DN 110    | 101,60 | 23,23  | PC2134 | PC2133 |
| PL2236                | DUCTIL DN 400 | 402,80 | 160,72 | PC2132 | PC1914 |
| PL2237                | PEHD DN 63    | 55,40  | 52,15  | PC2134 | PC2135 |
| PL2238                | PVC DN 110    | 101,60 | 51,24  | PC2136 | PC2134 |
| PL2239                | AC DN 80      | 80,00  | 315,60 | PC2136 | PC2114 |
| PL224                 | PVC DN 110    | 101,60 | 488,67 | PC225  | PC227  |
| PL2240_rekonstrukcija | PEHD DN 225   | 198,20 | 380,83 | PC1914 | PC2137 |
| PL2241                | PVC DN 110    | 101,60 | 343,80 | PC2137 | PC2138 |
| PL2242                | PVC DN 110    | 101,60 | 244,04 | PC2138 | PC2139 |
| PL2243                | PVC DN 110    | 101,60 | 349,00 | PC2124 | PC2139 |
| PL2244                | PVC DN 110    | 101,60 | 118,62 | PC2139 | PC2140 |
| PL2245                | PVC DN 110    | 101,60 | 117,39 | PC2141 | PC2140 |
| PL2246                | PVC DN 110    | 101,60 | 38,27  | PC2141 | PC2142 |
| PL2247                | PVC DN 110    | 101,60 | 227,21 | PC2121 | PC2141 |
| PL2248                | PVC DN 110    | 101,60 | 150,35 | PC2143 | PC2140 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>304/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL2249 | PVC DN 110  | 101,60 | 70,40  | PC2143 | PC2144 |
| PL225  | PVC DN 160  | 147,60 | 472,24 | PC228  | PC207  |
| PL2250 | PEHD DN 32  | 28,20  | 20,07  | PC2144 | PC2145 |
| PL2251 | PVC DN 110  | 101,60 | 42,51  | PC2146 | PC2143 |
| PL2252 | PVC DN 110  | 101,60 | 49,46  | PC2146 | PC2147 |
| PL2253 | PEHD DN 32  | 28,20  | 28,42  | PC2147 | PC2148 |
| PL2254 | PVC DN 110  | 101,60 | 42,98  | PC2149 | PC2146 |
| PL2255 | PVC DN 110  | 101,60 | 49,01  | PC2149 | PC2150 |
| PL2256 | PEHD DN 32  | 28,20  | 15,28  | PC2150 | PC2151 |
| PL2257 | PVC DN 110  | 101,60 | 43,34  | PC2152 | PC2149 |
| PL2258 | PVC DN 110  | 101,60 | 37,35  | PC2152 | PC2153 |
| PL2259 | PEHD DN 32  | 28,20  | 10,36  | PC2153 | PC2154 |
| PL226  | PVC DN 110  | 101,60 | 352,43 | PC228  | PC229  |
| PL2260 | PVC DN 110  | 101,60 | 133,07 | PC2155 | PC2152 |
| PL2261 | PVC DN 140  | 129,60 | 303,66 | PC2139 | PC2155 |
| PL2262 | PVC DN 110  | 101,60 | 86,32  | PC2155 | PC2156 |
| PL2263 | PVC DN 110  | 101,60 | 82,33  | PC2156 | PC2157 |
| PL2264 | PVC DN 110  | 101,60 | 164,66 | PC2157 | PC2158 |
| PL2265 | PVC DN 110  | 101,60 | 84,69  | PC2157 | PC2159 |
| PL2266 | PVC DN 225  | 207,80 | 205,64 | PC2160 | PC2159 |
| PL2267 | PVC DN 225  | 207,80 | 121,72 | PC2138 | PC2160 |
| PL2268 | PVC DN 110  | 101,60 | 334,02 | PC2160 | PC2156 |
| PL2269 | PVC DN 110  | 101,60 | 91,94  | PC2162 | PC2160 |
| PL227  | PVC DN 160  | 147,60 | 180,31 | PC230  | PC228  |
| PL2270 | PVC DN 110  | 101,60 | 90,99  | PC2159 | PC2161 |
| PL2271 | PVC DN 110  | 101,60 | 206,15 | PC2162 | PC2161 |
| PL2272 | PVC DN 110  | 101,60 | 95,11  | PC2161 | PC2165 |
| PL2273 | PVC DN 110  | 101,60 | 147,60 | PC2166 | PC2165 |
| PL2274 | PVC DN 110  | 101,60 | 99,59  | PC2163 | PC2162 |
| PL2275 | PVC DN 110  | 101,60 | 30,95  | PC2163 | PC2164 |
| PL2276 | PVC DN 110  | 101,60 | 543,22 | PC2167 | PC2163 |
| PL2277 | PEHD DN 110 | 96,80  | 105,49 | PC2167 | PC2168 |
| PL2278 | PVC DN 160  | 147,60 | 81,00  | PC2169 | PC2167 |
| PL2279 | PVC DN 110  | 101,60 | 277,36 | PC2165 | PC2169 |
| PL228  | PEHD DN 110 | 96,80  | 212,36 | PC230  | PC231  |
| PL2280 | PVC DN 160  | 147,60 | 96,31  | PC2170 | PC2169 |
| PL2281 | PVC DN 110  | 101,60 | 181,66 | PC2171 | PC2170 |
| PL2282 | PVC DN 110  | 101,60 | 97,27  | PC2172 | PC2171 |
| PL2283 | PVC DN 160  | 147,60 | 52,07  | PC2173 | PC2172 |
| PL2284 | PEHD DN 90  | 79,20  | 15,09  | PC2173 | PC2174 |
| PL2285 | PVC DN 160  | 147,60 | 29,99  | PC2159 | PC2173 |
| PL2286 | PVC DN 160  | 147,60 | 59,17  | PC2175 | PC2172 |
| PL2287 | PEHD DN 90  | 79,20  | 27,95  | PC2175 | PC2176 |
| PL2288 | PVC DN 160  | 147,60 | 48,00  | PC2177 | PC2175 |
| PL2289 | PVC DN 110  | 101,60 | 107,76 | PC2178 | PC2177 |
| PL229  | PVC DN 110  | 101,60 | 412,17 | PC231  | PC232  |
| PL2290 | PEHD DN 90  | 79,20  | 23,31  | PC2178 | PC2179 |
| PL2291 | PVC DN 160  | 147,60 | 97,56  | PC2172 | PC2180 |
| PL2292 | PVC DN 160  | 147,60 | 33,83  | PC2181 | PC2180 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>305/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                  |             |        |         |        |        |
|----------------------------------|-------------|--------|---------|--------|--------|
| PL2293                           | PEHD DN 90  | 79,20  | 26,16   | PC2181 | PC2182 |
| PL2294                           | PVC DN 63   | 57,00  | 2,67    | PC2182 | PC2183 |
| PL2295                           | PVC DN 75   | 67,80  | 24,79   | PC2182 | PC2184 |
| PL2296                           | PVC DN 160  | 147,60 | 71,51   | PC2185 | PC2181 |
| PL2297                           | PVC DN 110  | 101,60 | 89,71   | PC2185 | PC2186 |
| PL2298                           | PVC DN 110  | 101,60 | 67,79   | PC2186 | PC2187 |
| PL2299                           | PVC DN 110  | 101,60 | 6,35    | PC2187 | PC2188 |
| PL23_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 855,26  | PC22   | PC23   |
| PL230                            | PEHD DN 110 | 96,80  | 244,78  | PC231  | PC233  |
| PL236A_rekonstrukcija            | PEHD DN 225 | 198,20 | 1818,93 | PC136E | PC239  |
| PL2300                           | PVC DN 75   | 67,80  | 26,30   | PC2188 | PC2190 |
| PL2301                           | PVC DN 63   | 57,00  | 29,66   | PC2188 | PC2189 |
| PL2302                           | PVC DN 110  | 101,60 | 25,59   | PC2187 | PC2191 |
| PL2303                           | PVC DN 160  | 147,60 | 107,76  | PC2191 | PC2170 |
| PL2304                           | PVC DN 160  | 147,60 | 88,38   | PC2180 | PC2191 |
| PL2305                           | PVC DN 160  | 147,60 | 68,56   | PC2192 | PC2186 |
| PL2306                           | PVC DN 160  | 147,60 | 86,85   | PC2193 | PC2192 |
| PL2307                           | PVC DN 160  | 147,60 | 70,16   | PC2193 | PC2185 |
| PL2308                           | PVC DN 160  | 147,60 | 99,13   | PC2194 | PC2193 |
| PL2309                           | PVC DN 160  | 147,60 | 63,85   | PC2194 | PC2177 |
| PL231                            | PEHD DN 40  | 35,20  | 171,01  | PC233  | PC234  |
| PL2310                           | PVC DN 160  | 147,60 | 25,00   | PC2195 | PC2194 |
| PL2311                           | PEHD DN 90  | 79,20  | 35,04   | PC2195 | PC2196 |
| PL2312                           | PVC DN 160  | 147,60 | 53,99   | PC2156 | PC2195 |
| PL2313                           | PVC DN 160  | 147,60 | 38,13   | PC2197 | PC2192 |
| PL2314                           | PEHD DN 90  | 79,20  | 9,59    | PC2197 | PC2198 |
| PL2315                           | PEHD DN 90  | 79,20  | 20,46   | PC2198 | PC2199 |
| PL2316                           | PEHD DN 90  | 79,20  | 19,03   | PC2198 | PC2200 |
| PL2317                           | PVC DN 160  | 147,60 | 56,73   | PC2201 | PC2197 |
| PL2318                           | PVC DN 315  | 290,80 | 3,95    | PC2201 | PC2202 |
| PL2319                           | PVC DN 315  | 290,80 | 72,80   | PC2203 | PC2201 |
| PL232                            | PEHD DN 110 | 96,80  | 189,48  | PC233  | PC235  |
| PL2320                           | PVC DN 315  | 290,80 | 107,75  | PC2204 | PC2203 |
| PL2321                           | PEHD DN 110 | 96,80  | 200,86  | PC2204 | PC2202 |
| PL2322                           | PVC DN 160  | 147,60 | 14,86   | PC2203 | PC2205 |
| PL2323                           | PEHD DN 90  | 79,20  | 31,33   | PC2205 | PC2206 |
| PL2324                           | PVC DN 110  | 101,60 | 85,85   | PC2207 | PC2205 |
| PL2325                           | PEHD DN 90  | 79,20  | 41,09   | PC2208 | PC2207 |
| PL2326                           | PVC DN 110  | 101,60 | 120,31  | PC2207 | PC2209 |
| PL2327                           | PVC DN 160  | 147,60 | 29,88   | PC2205 | PC2209 |
| PL2328                           | PVC DN 110  | 101,60 | 22,19   | PC2209 | PC2210 |
| PL2329                           | PEHD DN 90  | 90,00  | 12,85   | PC2210 | PC2212 |
| PL233                            | PVC DN 160  | 147,60 | 728,04  | PC236  | PC230  |
| PL2330                           | PEHD DN 110 | 96,80  | 16,21   | PC2210 | PC2211 |
| PL2331                           | PVC DN 160  | 147,60 | 40,13   | PC2209 | PC2193 |
| PL2332                           | PVC DN 315  | 290,80 | 58,72   | PC2213 | PC2204 |
| PL2333                           | PEHD DN 90  | 79,20  | 50,20   | PC2213 | PC2214 |
| PL2334                           | PVC DN 315  | 290,80 | 795,53  | PC2122 | PC2213 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>306/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                |             |        |        |        |        |
|--------------------------------|-------------|--------|--------|--------|--------|
| PL2335_rekonstrukcija          | PEHD DN 225 | 198,20 | 186,47 | PC2137 | PC2215 |
| PL2336                         | PEHD DN 110 | 96,80  | 136,27 | PC2215 | PC2216 |
| PL2337_rekonstrukcija          | PEHD DN 225 | 198,20 | 737,76 | PC2215 | PC2217 |
| PL2338                         | PVC DN 110  | 101,60 | 177,10 | PC2217 | PC2218 |
| PL2339_rekonstrukcija          | PEHD DN 225 | 198,20 | 42,15  | PC2217 | PC2219 |
| PL234                          | PVC DN 110  | 101,60 | 84,21  | PC236  | PC237  |
| PL2340                         | PVC DN 225  | 207,80 | 59,56  | PC2219 | PC2220 |
| PL2341                         | PVC DN 225  | 207,80 | 143,53 | PC2220 | PC2221 |
| PL2342                         | PVC DN 225  | 207,80 | 105,14 | PC2221 | PC2222 |
| PL2343                         | PVC DN 160  | 147,60 | 134,63 | PC2222 | PC2223 |
| PL2344                         | PVC DN 160  | 147,60 | 144,57 | PC2223 | PC2224 |
| PL2345_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 190,12 | PC2225 | PC2224 |
| PL2346_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 273,46 | PC2219 | PC2225 |
| PL2347                         | PVC DN 110  | 101,60 | 25,90  | PC2226 | PC2225 |
| PL2348                         | PVC DN 110  | 101,60 | 141,89 | PC2226 | PC2223 |
| PL2349                         | PVC DN 110  | 101,60 | 87,58  | PC2227 | PC2226 |
| PL235                          | PVC DN 50   | 45,00  | 173,84 | PC237  | PC238  |
| PL2350                         | PEHD DN 90  | 79,20  | 50,91  | PC2227 | PC2228 |
| PL2351                         | PVC DN 110  | 101,60 | 81,24  | PC2221 | PC2227 |
| PL2352_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 128,54 | PC2224 | PC2229 |
| PL2353                         | PEHD DN 63  | 55,40  | 74,78  | PC2229 | PC2230 |
| PL2354_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 180,46 | PC2229 | PC2231 |
| PL2355                         | PVC DN 160  | 147,60 | 17,84  | PC2231 | PC2232 |
| PL2356_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 15,14  | PC2231 | PC2233 |
| PL2357_rekonstrukc_Vodoprojekt | PEHD DN 225 | 198,20 | 217,07 | PC2233 | PC2234 |
| PL2358                         | PVC DN 225  | 207,80 | 471,41 | PC2236 | PC2235 |
| PL2359                         | PVC DN 110  | 101,60 | 160,76 | PC2233 | PC2237 |
| PL236                          | PVC DN 160  | 147,60 | 317,80 | PC239  | PC236  |
| PL2360                         | PVC DN 110  | 101,60 | 98,07  | PC2237 | PC2238 |
| PL2361                         | PVC DN 110  | 101,60 | 411,18 | PC2239 | PC2237 |
| PL2362                         | PVC DN 160  | 147,60 | 124,23 | PC2239 | PC2240 |
| PL2363                         | PVC DN 110  | 101,60 | 290,00 | PC2240 | PC2242 |
| PL2364                         | PEHD DN 63  | 55,40  | 42,11  | PC2242 | PC2243 |
| PL2365                         | PEHD DN 90  | 79,20  | 27,33  | PC2241 | PC2242 |
| PL2366                         | PVC DN 110  | 101,60 | 141,33 | PC2241 | PC2240 |
| PL2367                         | PVC DN 110  | 101,60 | 336,28 | PC2244 | PC2241 |
| PL2368                         | PVC DN 160  | 147,60 | 379,45 | PC2244 | PC2239 |
| PL2369                         | PVC DN 110  | 101,60 | 363,55 | PC2244 | PC2222 |
| PL2370                         | PVC DN 160  | 147,60 | 39,99  | PC2245 | PC2244 |
| PL2371                         | PVC DN 160  | 147,60 | 77,73  | PC2246 | PC2245 |
| PL2372                         | PVC DN 110  | 101,60 | 105,22 | PC2246 | PC2247 |
| PL2373                         | PEHD DN 110 | 96,80  | 170,88 | PC2247 | PC2248 |
| PL2374                         | PVC DN 110  | 101,60 | 217,56 | PC2248 | PC2220 |
| PL2375                         | PVC DN 110  | 101,60 | 198,75 | PC2247 | PC2249 |
| PL2376                         | PVC DN 90   | 81,40  | 27,46  | PC2249 | PC2250 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>307/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|-------------------------------|---------------|--------|---------|--------|--------|
| PL2377                        | PVC DN 110    | 101,60 | 244,24  | PC2249 | PC2167 |
| PL2378                        | PVC DN 160    | 147,60 | 79,79   | PC2251 | PC2246 |
| PL2379                        | PVC DN 160    | 147,60 | 107,35  | PC2191 | PC2251 |
| PL238_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 51,54   | PC136A | PC240  |
| PL2380                        | PVC DN 110    | 101,60 | 282,86  | PC2252 | PC2251 |
| PL2381                        | PVC DN 160    | 147,60 | 274,67  | PC2253 | PC2245 |
| PL2382                        | PVC DN 315    | 290,80 | 77,03   | PC2202 | PC2252 |
| PL2383                        | PVC DN 315    | 290,80 | 86,87   | PC2252 | PC2253 |
| PL2384                        | DUCTIL DN 300 | 301,60 | 83,13   | PC2252 | PC2254 |
| PL2385                        | PVC DN 160    | 147,60 | 30,93   | PC2254 | PC2253 |
| PL2386                        | DUCTIL DN 300 | 301,60 | 949,43  | PC2254 | PC2255 |
| PL2387                        | PVC DN 110    | 101,60 | 786,59  | PC2255 | PC2256 |
| PL2388                        | PVC DN 110    | 101,60 | 91,19   | PC2256 | PC2257 |
| PL2389                        | PVC DN 110    | 101,60 | 12,60   | PC2258 | PC2257 |
| PL239                         | PVC DN 110    | 101,60 | 703,40  | PC240  | PC241  |
| PL2390                        | PVC DN 110    | 101,60 | 182,14  | PC2257 | PC2259 |
| PL2391                        | PVC DN 90     | 81,40  | 39,76   | PC2260 | PC2259 |
| PL2392                        | PVC DN 110    | 101,60 | 56,73   | PC2259 | PC2261 |
| PL2393                        | PVC DN 110    | 101,60 | 61,85   | PC2256 | PC2262 |
| PL2394                        | PVC DN 90     | 81,40  | 12,87   | PC2263 | PC2262 |
| PL2395                        | PVC DN 110    | 101,60 | 202,96  | PC2262 | PC2264 |
| PL2396                        | PVC DN 315    | 290,80 | 383,54  | PC2265 | PC2255 |
| PL2397                        | PVC DN 315    | 290,80 | 239,77  | PC2266 | PC2265 |
| PL2398                        | PVC DN 315    | 290,80 | 65,69   | PC2266 | PC2267 |
| PL2399                        | PEHD DN 225   | 198,20 | 207,88  | PC2269 | PC2266 |
| PL24                          | PEHD DN 75    | 66,00  | 531,46  | PC23   | PC24   |
| PL240_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 972,36  | PC240  | PC242  |
| PL2400                        | PEHD DN 225   | 198,20 | 275,31  | PC2269 | PC2270 |
| PL2401                        | PV DN C280    | 258,60 | 198,60  | PC2268 | PC2267 |
| PL2402                        | DUCTIL DN 300 | 301,60 | 1242,08 | PC2267 | PC2557 |
| PL2403                        | PEHD DN 225   | 198,20 | 56,32   | PC2268 | PC2269 |
| PL2404                        | PV DN C280    | 258,60 | 492,29  | PC2268 | PC2271 |
| PL2405                        | PV DN C280    | 258,60 | 150,73  | PC2271 | PC2272 |
| PL2406                        | PEHD DN 160   | 141,00 | 23,65   | PC2272 | PC2273 |
| PL2407                        | PEHD DN 160   | 141,00 | 32,11   | PC2273 | PC2274 |
| PL2408                        | PEHD DN 110   | 96,80  | 39,01   | PC2273 | PC2275 |
| PL2409                        | PV DN C280    | 258,60 | 162,33  | PC2272 | PC2276 |
| PL241                         | PEHD DN 75    | 66,00  | 119,70  | PC242  | PC243  |
| PL2410                        | PV DN C280    | 258,60 | 109,66  | PC2276 | PC2277 |
| PL2411                        | PVC DN 110    | 101,60 | 15,81   | PC2277 | PC2278 |
| PL2412                        | PVC DN 110    | 101,60 | 122,40  | PC2278 | PC2279 |
| PL2413                        | PEHD DN 63    | 55,40  | 17,66   | PC2280 | PC2279 |
| PL2414                        | PVC DN 110    | 101,60 | 38,69   | PC2279 | PC2281 |
| PL2415                        | PVC DN 110    | 101,60 | 71,32   | PC2281 | PC2282 |
| PL2416                        | PVC DN 140    | 129,60 | 198,41  | PC2278 | PC2282 |
| PL2417                        | PVC DN 140    | 129,60 | 45,47   | PC2283 | PC2282 |
| PL2418                        | PEHD DN 160   | 141,00 | 69,36   | PC2283 | PC2284 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>308/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                               |             |        |        |        |        |
|-------------------------------|-------------|--------|--------|--------|--------|
| PL2419                        | PEHD DN 110 | 96,80  | 43,26  | PC2284 | PC2285 |
| PL242                         | PEHD DN 63  | 55,40  | 195,09 | PC243  | PC244  |
| PL2420                        | PEHD DN 160 | 141,00 | 88,44  | PC2276 | PC2284 |
| PL2421                        | PVC DN 110  | 101,60 | 119,16 | PC2281 | PC2286 |
| PL2422                        | PVC DN 110  | 101,60 | 46,94  | PC2286 | PC2287 |
| PL2423                        | PVC DN 140  | 129,60 | 75,48  | PC2287 | PC2288 |
| PL2423A                       | PVC DN 140  | 129,60 | 78,02  | PC2312 | PC2287 |
| PL2424                        | PVC DN 140  | 129,60 | 86,44  | PC2288 | PC2283 |
| PL2425                        | PVC DN 110  | 101,60 | 113,81 | PC2288 | PC2289 |
| PL2426                        | PVC DN 110  | 101,60 | 187,38 | PC2289 | PC2291 |
| PL2427                        | PVC DN 110  | 101,60 | 51,50  | PC2291 | PC2292 |
| PL2428                        | PVC DN 110  | 101,60 | 94,84  | PC2291 | PC2293 |
| PL2429                        | PVC DN 110  | 101,60 | 28,75  | PC2293 | PC2294 |
| PL243                         | PVC DN 110  | 101,60 | 41,78  | PC242  | PC245  |
| PL2430                        | PVC DN 110  | 101,60 | 188,51 | PC2290 | PC2293 |
| PL2431                        | PVC DN 110  | 101,60 | 95,13  | PC2290 | PC2289 |
| PL2432                        | PV DN C280  | 258,60 | 43,39  | PC2277 | PC2300 |
| PL2433                        | PEHD DN 280 | 246,80 | 43,35  | PC2300 | PC2277 |
| PL2434                        | PVC DN 110  | 101,60 | 95,11  | PC2300 | PC2301 |
| PL2435                        | PVC DN 110  | 101,60 | 33,06  | PC2301 | PC2302 |
| PL2436                        | PVC DN 110  | 101,60 | 127,77 | PC2301 | PC2303 |
| PL2437                        | PEHD DN 225 | 198,20 | 231,80 | PC2295 | PC2300 |
| PL2438                        | PEHD DN 110 | 96,80  | 49,17  | PC2296 | PC2295 |
| PL2439                        | PEHD DN 63  | 55,40  | 24,42  | PC2296 | PC2297 |
| PL244                         | PEHD DN 75  | 66,00  | 560,84 | PC246A | PC247  |
| PL2440                        | PEHD DN 110 | 96,80  | 39,78  | PC2298 | PC2296 |
| PL2441                        | PEHD DN 110 | 96,80  | 98,14  | PC2298 | PC2299 |
| PL2442                        | PEHD DN 110 | 96,80  | 284,93 | PC2298 | PC2286 |
| PL2443                        | PEHD DN 225 | 198,20 | 18,08  | PC2295 | PC2309 |
| PL2444                        | PEHD DN 225 | 198,20 | 64,04  | PC2309 | PC2304 |
| PL2445                        | PVC DN 110  | 101,60 | 29,55  | PC2304 | PC2305 |
| PL2446                        | PEHD DN 90  | 79,20  | 16,50  | PC2305 | PC2306 |
| PL2447                        | PVC DN 110  | 101,60 | 3,22   | PC2305 | PC2307 |
| PL2448                        | PEHD DN 90  | 79,20  | 21,57  | PC2307 | PC2308 |
| PL2449                        | LZ DN 200   | 200,00 | 17,34  | PC2310 | PC2304 |
| PL245_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 110,33 | PC245  | PC246  |
| PL2450                        | LZ DN 100   | 100,00 | 245,89 | PC2310 | PC2311 |
| PL2451                        | LZ DN 100   | 100,00 | 239,08 | PC2311 | PC2312 |
| PL2452                        | LZ DN 100   | 100,00 | 38,16  | PC2312 | PC2313 |
| PL2453                        | LZ DN 100   | 100,00 | 34,57  | PC2313 | PC2314 |
| PL2453A                       | PVC DN 110  | 101,60 | 182,37 | PC2314 | PC2290 |
| PL2454                        | LZ DN 100   | 100,00 | 177,17 | PC2314 | PC2315 |
| PL2455                        | PVC DN 110  | 101,60 | 39,11  | PC2315 | PC2316 |
| PL2456                        | PVC DN 160  | 147,60 | 167,01 | PC2316 | PC2254 |
| PL2457                        | LZ DN 200   | 200,00 | 29,79  | PC2317 | PC2310 |
| PL2458                        | LZ DN 200   | 200,00 | 50,95  | PC2318 | PC2317 |
| PL2459                        | LZ DN 200   | 200,00 | 26,04  | PC2319 | PC2318 |
| PL2459A                       | LZ DN 150   | 150,00 | 38,85  | PC2319 | PC2346 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>309/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

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|-----------------------------------|---------------|--------|---------|--------|--------|
| PL2459B                           | PEHD DN 110   | 96,80  | 38,55   | PC2346 | PC2318 |
| PL246_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 635,15  | PC246  | PC248  |
| PL2460                            | LZ DN 200     | 200,00 | 171,84  | PC2320 | PC2319 |
| PL2461                            | LZ DN 350     | 350,00 | 22,48   | PC2321 | PC2320 |
| PL2462                            | LZ DN 100     | 100,00 | 355,05  | PC2068 | PC2321 |
| PL2463                            | LZ DN 350     | 350,00 | 56,34   | PC2322 | PC2321 |
| PL2464                            | LZ DN 350     | 350,00 | 24,07   | PC2322 | PC2323 |
| PL2465                            | LZ DN 350     | 350,00 | 127,98  | PC2324 | PC2322 |
| PL2466                            | PEHD DN 110   | 96,80  | 73,14   | PC2324 | PC2325 |
| PL2467                            | PEHD DN 90    | 79,20  | 123,30  | PC2325 | PC2326 |
| PL2468                            | PEHD DN 110   | 96,80  | 103,56  | PC2325 | PC2327 |
| PL2469                            | PEHD DN 90    | 79,20  | 124,08  | PC2327 | PC2328 |
| PL247_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 1030,93 | PC248  | PC249A |
| PL2470                            | LZ DN 350     | 350,00 | 138,37  | PC2123 | PC2324 |
| PL2471                            | AC DN 100     | 100,00 | 246,17  | PC2327 | PC2329 |
| PL2472                            | AC DN 100     | 100,00 | 189,51  | PC2329 | PC2330 |
| PL2473                            | AC DN 80      | 80,00  | 129,38  | PC2330 | PC2331 |
| PL2474                            | AC DN 100     | 100,00 | 129,51  | PC2332 | PC2330 |
| PL2475                            | AC DN 80      | 80,00  | 61,54   | PC2332 | PC2333 |
| PL2476                            | AC DN 80      | 80,00  | 57,86   | PC2332 | PC2334 |
| PL2477                            | AC DN 80      | 80,00  | 33,32   | PC2334 | PC2335 |
| PL2478                            | AC DN 80      | 80,00  | 148,45  | PC2334 | PC2336 |
| PL2479                            | PEHD DN 90    | 79,20  | 155,36  | PC2337 | PC2336 |
| PL248_rekonstrukc_<br>Vodoprojekt | PEHD DN 110   | 96,80  | 77,82   | PC249  | PC250  |
| PL2480                            | AC DN 100     | 100,00 | 60,63   | PC2332 | PC2337 |
| PL2481                            | AC DN 100     | 100,00 | 67,04   | PC2337 | PC2311 |
| PL2482                            | PEHD DN 110   | 96,80  | 532,46  | PC2327 | PC2338 |
| PL2483                            | PEHD DN 110   | 96,80  | 140,65  | PC2338 | PC2313 |
| PL2484                            | LZ DN 300     | 300,00 | 115,34  | PC2320 | PC2339 |
| PL2485                            | LZ DN 300     | 300,00 | 16,40   | PC2339 | PC2340 |
| PL2486                            | LZ DN 300     | 300,00 | 49,91   | PC2340 | PC2341 |
| PL2487                            | PEHD DN 110   | 96,80  | 31,05   | PC2341 | PC2342 |
| PL2488                            | PEHD DN 110   | 96,80  | 40,45   | PC2343 | PC2342 |
| PL2489                            | AC DN 100     | 100,00 | 39,99   | PC2344 | PC2343 |
| PL249                             | PEHD DN 40    | 35,20  | 297,89  | PC250  | PC251  |
| PL2490                            | AC DN 100     | 100,00 | 64,85   | PC2345 | PC2344 |
| PL2491                            | PEHD DN 110   | 96,80  | 47,01   | PC2342 | PC2345 |
| PL2492                            | PEHD DN 110   | 96,80  | 147,20  | PC2345 | PC2346 |
| PL2493                            | LZ DN 150     | 150,00 | 57,65   | PC2346 | PC2347 |
| PL2494                            | LZ DN 150     | 150,00 | 140,66  | PC2347 | PC2348 |
| PL2495                            | PEHD DN 110   | 96,80  | 82,16   | PC2347 | PC2348 |
| PL2496                            | DUCTIL DN 300 | 301,60 | 0,90    | PC2341 | PC2349 |
| PL2497                            | PEHD DN 110   | 96,80  | 50,67   | PC2349 | PC2350 |
| PL2498                            | PEHD DN 110   | 96,80  | 45,98   | PC2451 | PC2341 |
| PL2499                            | PEHD DN 110   | 96,80  | 54,90   | PC2451 | PC2452 |
| PL25_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 369,11  | PC23   | PC25   |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>310/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                                   |               |        |        |        |        |
|-----------------------------------|---------------|--------|--------|--------|--------|
| PL250_rekonstrukc_<br>Vodoprojekt | PEHD DN 110   | 96,80  | 275,77 | PC250  | PC252  |
| PL2500                            | DUCTIL DN 300 | 301,60 | 122,25 | PC2349 | PC2453 |
| PL2501                            | PEHD DN 110   | 96,80  | 76,38  | PC2453 | PC2451 |
| PL2502                            | DUCTIL DN 250 | 250,40 | 216,48 | PC2453 | PC2454 |
| PL2502A                           | PEHD DN 110   | 96,80  | 216,31 | PC2453 | PC2455 |
| PL2503                            | PEHD DN 160   | 141,00 | 103,16 | PC2455 | PC2456 |
| PL2504                            | PEHD DN 110   | 96,80  | 55,89  | PC2456 | PC2457 |
| PL2505                            | PEHD DN 160   | 141,00 | 81,97  | PC2317 | PC2456 |
| PL2506                            | DUCTIL DN 250 | 250,40 | 138,58 | PC2454 | PC2458 |
| PL2506A                           | PEHD DN 110   | 96,80  | 138,62 | PC2455 | PC2459 |
| PL2507                            | PEHD DN 110   | 96,80  | 189,29 | PC2309 | PC2459 |
| PL2507A                           | PEHD DN 160   | 141,00 | 191,45 | PC2460 | PC2295 |
| PL2508                            | DUCTIL DN 250 | 250,40 | 37,45  | PC2458 | PC2460 |
| PL2509                            | DUCTIL DN 250 | 250,40 | 268,72 | PC2460 | PC2461 |
| PL2509A                           | PEHD DN 110   | 96,80  | 268,72 | PC2461 | PC2460 |
| PL251                             | PEHD DN 63    | 55,40  | 341,01 | PC252  | PC253  |
| PL2510                            | PEHD DN 160   | 141,00 | 41,70  | PC2461 | PC2462 |
| PL2511                            | PEHD DN 160   | 141,00 | 97,22  | PC2462 | PC2463 |
| PL2512                            | LZ DN 150     | 150,00 | 187,84 | PC2464 | PC2463 |
| PL2513                            | DUCTIL DN 250 | 250,40 | 174,52 | PC2461 | PC2464 |
| PL2513A                           | PEHD DN 110   | 96,80  | 174,85 | PC2464 | PC2461 |
| PL2514                            | PEHD DN 110   | 96,80  | 63,65  | PC2464 | PC2465 |
| PL2515                            | PEHD DN 280   | 246,80 | 134,72 | PC2464 | PC2277 |
| PL2516                            | PEHD DN 110   | 96,80  | 71,03  | PC2465 | PC2277 |
| PL2517                            | PEHD DN 32    | 28,20  | 14,33  | PC2466 | PC2465 |
| PL2518                            | PEHD DN 25    | 21,40  | 5,58   | PC2466 | PC2467 |
| PL2519                            | PEHD DN 25    | 21,40  | 16,80  | PC2466 | PC2468 |
| PL252_rekonstrukc_<br>Vodoprojekt | PEHD DN 110   | 96,80  | 441,58 | PC249  | PC254  |
| PL2520                            | PEHD DN 32    | 28,20  | 16,06  | PC2466 | PC2469 |
| PL2521                            | PEHD DN 25    | 21,40  | 11,26  | PC2469 | PC2470 |
| PL2522                            | PEHD DN 25    | 21,40  | 23,92  | PC2469 | PC2471 |
| PL2523                            | PEHD DN 25    | 21,40  | 18,19  | PC2471 | PC2473 |
| PL2524                            | PEHD DN 25    | 21,40  | 14,82  | PC2471 | PC2472 |
| PL2525                            | LZ DN 150     | 150,00 | 113,99 | PC2458 | PC2351 |
| PL2526                            | PVC DN 110    | 101,60 | 37,19  | PC2351 | PC2352 |
| PL2527                            | PVC DN 110    | 101,60 | 35,87  | PC2352 | PC2353 |
| PL2528                            | PVC DN 110    | 101,60 | 9,77   | PC2352 | PC2354 |
| PL2529                            | PVC DN 110    | 101,60 | 86,98  | PC2355 | PC2354 |
| PL253                             | PEHD DN 32    | 28,20  | 92,85  | PC254  | PC255  |
| PL2530                            | PVC DN 110    | 101,60 | 131,14 | PC2354 | PC2355 |
| PL2531                            | LZ DN 150     | 150,00 | 22,44  | PC2351 | PC2356 |
| PL2532                            | LZ DN 150     | 150,00 | 80,42  | PC2357 | PC2356 |
| PL2533                            | LZ DN 150     | 150,00 | 181,90 | PC2357 | PC2358 |
| PL2534                            | PVC DN 110    | 101,60 | 89,73  | PC2358 | PC2359 |
| PL2535                            | LZ DN 150     | 150,00 | 17,95  | PC2358 | PC2360 |
| PL2536                            | PEHD DN 225   | 198,20 | 58,84  | PC2360 | PC2361 |
| PL2537                            | DUCTIL DN 200 | 199,40 | 79,48  | PC2361 | PC2362 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>311/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                               |               |        |        |        |        |
|-------------------------------|---------------|--------|--------|--------|--------|
| PL2538                        | PEHD DN 110   | 96,80  | 10,29  | PC2362 | PC2363 |
| PL2539                        | DUCTIL DN 200 | 199,40 | 34,85  | PC2362 | PC2453 |
| PL254                         | PEHD DN 40    | 35,20  | 398,59 | PC254  | PC256  |
| PL2540                        | DUCTIL DN 250 | 250,40 | 51,61  | PC2364 | PC2453 |
| PL2541                        | DUCTIL DN 250 | 250,40 | 43,17  | PC2365 | PC2364 |
| PL2542                        | PVC DN 225    | 207,80 | 108,43 | PC2365 | PC2366 |
| PL2543                        | DUCTIL DN 250 | 250,40 | 329,30 | PC1976 | PC2365 |
| PL2544                        | PVC DN 225    | 207,80 | 88,96  | PC2367 | PC2364 |
| PL2545                        | PVC DN 110    | 101,60 | 43,07  | PC2367 | PC2368 |
| PL2546                        | AC DN 100     | 100,00 | 66,59  | PC2369 | PC2367 |
| PL2547                        | PEHD DN 225   | 198,20 | 84,52  | PC2369 | PC1977 |
| PL2548                        | PEHD DN 225   | 198,20 | 76,91  | PC2370 | PC2369 |
| PL2549                        | AC DN 100     | 100,00 | 87,59  | PC2370 | PC2371 |
| PL255_rekonstrukc_Vodoprojekt | PVC DN 160    | 141,00 | 174,47 | PC245  | PC257  |
| PL2550                        | AC DN 100     | 100,00 | 142,65 | PC2371 | PC2369 |
| PL2551                        | PEHD DN 225   | 198,20 | 45,37  | PC2361 | PC2370 |
| PL2552                        | LZ DN 200     | 200,00 | 124,26 | PC2360 | PC2372 |
| PL2553                        | PEHD DN 225   | 198,20 | 62,60  | PC2373 | PC2372 |
| PL2554                        | PEHD DN 225   | 198,20 | 149,11 | PC2373 | PC2374 |
| PL2555                        | PEHD DN 160   | 141,00 | 79,83  | PC2374 | PC2375 |
| PL2556                        | PVC DN 140    | 123,40 | 274,32 | PC2374 | PC2376 |
| PL2557                        | PEHD DN 160   | 141,00 | 82,72  | PC2374 | PC2377 |
| PL2558                        | PEHD DN 110   | 96,80  | 59,28  | PC2377 | PC2378 |
| PL2559                        | PEHD DN 160   | 141,00 | 63,11  | PC2377 | PC2379 |
| PL256                         | PEHD DN 40    | 35,20  | 69,18  | PC257  | PC258  |
| PL2560                        | PEHD DN 110   | 96,80  | 234,25 | PC2379 | PC2380 |
| PL2561                        | PEHD DN 110   | 96,80  | 116,50 | PC2381 | PC2379 |
| PL2562                        | PEHD DN 110   | 96,80  | 90,36  | PC2382 | PC2381 |
| PL2563                        | PEHD DN 160   | 141,00 | 214,44 | PC2373 | PC2381 |
| PL2564                        | PEHD DN 110   | 96,80  | 9,19   | PC2382 | PC2383 |
| PL2565                        | PEHD DN 110   | 96,80  | 65,98  | PC2384 | PC2383 |
| PL2566                        | PEHD DN 90    | 79,20  | 88,09  | PC2385 | PC2384 |
| PL2567                        | LZ DN 150     | 150,00 | 113,90 | PC2356 | PC2385 |
| PL2568                        | PEHD DN 110   | 96,80  | 87,71  | PC2384 | PC2386 |
| PL257_rekonstrukc_Vodoprojekt | PVC DN 160    | 141,00 | 509,26 | PC257  | PC259  |
| PL258                         | PEHD DN 75    | 66,00  | 212,85 | PC259  | PC260  |
| PL2589                        | PEHD DN 110   | 96,80  | 130,65 | PC2386 | PC2357 |
| PL259_rekonstrukc_Vodoprojekt | PVC DN 110    | 101,60 | 638,66 | PC259  | PC261  |
| PL2590                        | PEHD DN 110   | 96,80  | 131,07 | PC2388 | PC2386 |
| PL2591                        | PEHD DN 90    | 79,20  | 61,93  | PC2387 | PC2386 |
| PL2592                        | PEHD DN 110   | 96,80  | 162,21 | PC2372 | PC2387 |
| PL2593                        | PEHD DN 110   | 96,80  | 92,28  | PC2387 | PC2382 |
| PL2594                        | AC DN 100     | 150,00 | 111,65 | PC2385 | PC2389 |
| PL2595                        | LZ DN 150     | 150,00 | 96,44  | PC2389 | PC2390 |
| PL2596                        | AC DN 100     | 150,00 | 98,74  | PC2390 | PC2391 |
| PL2597                        | PEHD DN 110   | 96,80  | 114,57 | PC2391 | PC2392 |
| PL2598                        | PEHD DN 160   | 141,00 | 161,50 | PC2392 | PC2393 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>312/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                                   |             |        |        |        |        |
|-----------------------------------|-------------|--------|--------|--------|--------|
| PL2599                            | PEHD DN 110 | 96,80  | 106,48 | PC2383 | PC2390 |
| PL26                              | PVC DN 63   | 57,00  | 60,44  | PC25   | PC26   |
| PL260                             | PEHD DN 63  | 55,40  | 533,87 | PC261  | PC262  |
| PL2600                            | PVC DN 160  | 147,60 | 113,52 | PC2381 | PC2391 |
| PL2601                            | PEHD DN 160 | 141,00 | 113,66 | PC2379 | PC2392 |
| PL2602                            | PEHD DN 110 | 96,80  | 185,32 | PC2392 | PC2394 |
| PL2603                            | PEHD DN 110 | 96,80  | 58,16  | PC2394 | PC2395 |
| PL2604                            | PEHD DN 110 | 96,80  | 114,23 | PC2394 | PC2396 |
| PL2605                            | AC DN 150   | 150,00 | 190,65 | PC2391 | PC2396 |
| PL2606                            | PEHD DN 110 | 96,80  | 124,08 | PC2398 | PC2397 |
| PL2607                            | PEHD DN 110 | 96,80  | 140,49 | PC2390 | PC2398 |
| PL2608                            | PEHD DN 90  | 79,20  | 108,55 | PC2396 | PC2397 |
| PL2609                            | PEHD DN 110 | 96,80  | 92,94  | PC2398 | PC2399 |
| PL261_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 216,67 | PC261  | PC263  |
| PL2610                            | PEHD DN 110 | 96,80  | 44,53  | PC2400 | PC2399 |
| PL2611                            | PEHD DN 160 | 141,00 | 105,15 | PC2401 | PC2400 |
| PL2612                            | AC DN 100   | 150,00 | 196,31 | PC2401 | PC2389 |
| PL2613                            | PEHD DN 160 | 141,00 | 175,44 | PC2461 | PC2401 |
| PL2614                            | PEHD DN 110 | 96,80  | 142,97 | PC2396 | PC2402 |
| PL2615                            | PVC DN 140  | 129,60 | 83,88  | PC2402 | PC2403 |
| PL2616                            | PEHD DN 110 | 96,80  | 131,90 | PC2397 | PC2403 |
| PL2617                            | PVC DN 140  | 129,60 | 82,66  | PC2403 | PC2404 |
| PL2618                            | PEHD DN 110 | 96,80  | 197,87 | PC2399 | PC2404 |
| PL2619                            | PVC DN 140  | 129,60 | 91,40  | PC2404 | PC2405 |
| PL262                             | PEHD DN 75  | 66,00  | 254,32 | PC263  | PC264  |
| PL2620                            | PEHD DN 160 | 141,00 | 13,49  | PC2406 | PC2405 |
| PL2621                            | PEHD DN 160 | 141,00 | 151,03 | PC2400 | PC2406 |
| PL2622                            | PEHD DN 160 | 141,00 | 194,66 | PC2405 | PC2407 |
| PL2623                            | PEHD DN 160 | 141,00 | 141,99 | PC2407 | PC2408 |
| PL2624                            | PEHD DN 160 | 141,00 | 13,62  | PC2408 | PC2409 |
| PL2625                            | PEHD DN 160 | 141,00 | 9,63   | PC2408 | PC2410 |
| PL2626                            | PEHD DN 90  | 79,20  | 152,30 | PC2411 | PC2410 |
| PL2627                            | PEHD DN 110 | 96,80  | 126,37 | PC2412 | PC2411 |
| PL2628                            | PEHD DN 110 | 96,80  | 313,01 | PC2402 | PC2411 |
| PL2629                            | PEHD DN 110 | 96,80  | 218,06 | PC2403 | PC2412 |
| PL263_rekonstrukc_<br>Vodoprojekt | PVC DN 160  | 141,00 | 283,58 | PC263  | PC265  |
| PL2630                            | PEHD DN 110 | 96,80  | 191,55 | PC2404 | PC2412 |
| PL2631                            | AC DN 100   | 100,00 | 97,76  | PC2413 | PC2406 |
| PL2632                            | PEHD DN 110 | 96,80  | 162,95 | PC2414 | PC2413 |
| PL2633                            | PEHD DN 110 | 96,80  | 69,70  | PC2415 | PC2414 |
| PL2634                            | PEHD DN 90  | 79,20  | 124,08 | PC2415 | PC2416 |
| PL2635                            | PEHD DN 110 | 96,80  | 106,97 | PC2417 | PC2415 |
| PL2636                            | PEHD DN 110 | 96,80  | 32,43  | PC2418 | PC2417 |
| PL2637                            | PEHD DN 160 | 141,00 | 17,43  | PC2418 | PC2462 |
| PL2638                            | PEHD DN 110 | 96,80  | 1,50   | PC2419 | PC2417 |
| PL2639                            | PEHD DN 90  | 79,20  | 103,71 | PC2419 | PC2420 |
| PL264                             | PEHD DN 63  | 55,40  | 618,57 | PC265  | PC266  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>313/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                        |             |        |        |         |         |
|------------------------|-------------|--------|--------|---------|---------|
| PL2640                 | PEHD DN 110 | 96,80  | 176,91 | PC2421  | PC2419  |
| PL2641                 | PEHD DN 160 | 141,00 | 96,91  | PC2463  | PC2423  |
| PL2642                 | PEHD DN 160 | 141,00 | 23,52  | PC2424  | PC2423  |
| PL2643                 | PEHD DN 160 | 141,00 | 25,18  | PC2423  | PC2422  |
| PL2644                 | AC DN 100   | 100,00 | 60,57  | PC2422  | PC2421  |
| PL2645                 | AC DN 150   | 150,00 | 81,93  | PC2421  | PC2425  |
| PL2646                 | AC DN 100   | 100,00 | 99,80  | PC2425  | PC2413  |
| PL2647                 | AC DN 100   | 100,00 | 59,09  | PC2426  | PC2407  |
| PL2648                 | AC DN 100   | 100,00 | 100,34 | PC2426  | PC2427  |
| PL2649                 | AC DN 100   | 100,00 | 586,62 | PC2427  | PC2428  |
| PL265                  | PEHD DN 40  | 35,20  | 420,72 | PC266   | PC267   |
| PL2650                 | AC DN 100   | 100,00 | 99,09  | PC2425  | PC2428  |
| PL2651                 | AC DN 100   | 100,00 | 73,61  | PC2428  | PC2429  |
| PL2652                 | AC DN 100   | 100,00 | 304,18 | PC2427  | PC2429  |
| PL2653                 | AC DN 100   | 100,00 | 209,30 | PC2429  | PC2426  |
| PL2654                 | AC DN 100   | 100,00 | 273,96 | PC2413  | PC2426  |
| PL2655                 | PEHD DN 160 | 141,00 | 350,42 | PC2422  | PC2430  |
| PL2656_rekonstrukcija  | PEHD DN 160 | 141,00 | 341,51 | PC2430  | PC2431  |
| PL2657                 | PVC DN 110  | 101,60 | 131,46 | PC2431  | PC2432  |
| PL2658_rekonstrukcija  | PEHD DN 160 | 141,00 | 47,27  | PC2431  | PC2433  |
| PL2659                 | PVC DN 110  | 101,60 | 78,76  | PC2433  | PC2434  |
| PL2660                 | PVC DN 110  | 101,60 | 96,93  | PC2434  | PC2435  |
| PL2661                 | PVC DN 110  | 101,60 | 150,94 | PC2434  | PC2436  |
| PL2662_rekonstrukcija1 | PEHD DN 160 | 141,00 | 159,00 | PC2433  | 4       |
| PL2662_rekonstrukcija2 | PEHD DN 160 | 141,00 | 200,00 | 4       | PC2437  |
| PL2663                 | PVC DN 90   | 81,40  | 65,81  | PC2437  | PC2438  |
| PL2664_rekonstrukcija  | PEHD DN 160 | 141,00 | 362,75 | PC2437  | PC2439  |
| PL2665                 | PVC DN 110  | 101,60 | 160,03 | PC2439  | PC2440  |
| PL2666                 | PEHD DN 160 | 141,00 | 400,33 | PC2441  | PC2410  |
| PL2667                 | PEHD DN 225 | 198,20 | 68,91  | PL2442A | PC2443  |
| PL2668                 | PEHD DN 110 | 96,80  | 397,62 | PC2444  | PC243A  |
| PL2669                 | PEHD DN 110 | 96,80  | 139,22 | PC2445  | PC2444  |
| PL2670                 | PEHD DN 110 | 96,80  | 31,95  | PC24446 | PC2445  |
| PL2671                 | PEHD DN 90  | 79,20  | 145,75 | PC24446 | PC2447  |
| PL2672                 | PEHD DN 110 | 96,80  | 132,57 | PC2448  | PC24446 |
| PL2673                 | PEHD DN 110 | 96,80  | 155,92 | PC2448  | PC2449  |
| PL2674                 | PEHD DN 110 | 96,80  | 10,49  | PC2450  | PC2448  |
| PL2675                 | PEHD DN 225 | 198,20 | 281,50 | PC2442  | PC2450  |
| PL2676                 | PVC DN 110  | 101,60 | 127,25 | PC2445  | PC2474  |
| PL2677                 | PVC DN 110  | 101,60 | 115,59 | PC2474  | PC2475  |
| PL2678                 | PEHD DN 110 | 96,80  | 29,07  | PC2475  | PC2476  |
| PL2679                 | PEHD DN 110 | 96,80  | 381,11 | PC2444  | PC2477  |
| PL2680                 | PVC DN 110  | 101,60 | 311,10 | PC2478  | PC2474  |
| PL2681                 | PEHD DN 110 | 96,80  | 180,51 | PC2479  | PC2478  |
| PL2682                 | PEHD DN 225 | 198,20 | 536,84 | PC2479  | PC2450  |
| PL2683                 | PEHD DN 225 | 198,20 | 327,92 | PC2479  | PC1247  |
| PL2685                 | PEHD DN 110 | 96,80  | 63,29  | PC2481  | PC2482  |
| PL2686                 | PEHD DN 160 | 141,00 | 491,82 | PC2481  | PC2483  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Stranica:<br>314/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|                                     |             |        |        |        |        |
|-------------------------------------|-------------|--------|--------|--------|--------|
| PL2687                              | PVC DN 110  | 101,60 | 63,38  | PC2483 | PC2484 |
| PL2688                              | PVC DN 110  | 101,60 | 179,45 | PC2484 | PC2485 |
| PL2689                              | PVC DN 110  | 101,60 | 140,73 | PC2485 | PC2486 |
| PL2690                              | PEHD DN 110 | 96,80  | 116,23 | PC2485 | PC2487 |
| PL2691                              | PEHD DN 110 | 96,80  | 107,94 | PC2487 | PC2488 |
| PL2692                              | PEHD DN 110 | 96,80  | 86,81  | PC2487 | PC2490 |
| PL2693                              | PEHD DN 110 | 96,80  | 168,34 | PC2487 | PC2489 |
| PL2694                              | PVC DN 110  | 101,60 | 770,83 | PC2484 | PC2491 |
| PL2695                              | PEHD DN 110 | 96,80  | 422,47 | PC2483 | PC2492 |
| PL2696                              | PEHD DN 110 | 96,80  | 108,47 | PC2492 | PC2493 |
| PL2697                              | PEHD DN 110 | 96,80  | 72,57  | PC2492 | PC2494 |
| PL2699                              | PVC DN 160  | 147,60 | 564,12 | PC2495 | PC2496 |
| PL27_rekonstrukc_<br>Vodoprojekt    | PEHD DN 160 | 141,00 | 74,82  | PC25   | PC27   |
| PL270                               | PEHD DN 63  | 55,40  | 166,68 | BC270  | PC271  |
| PL2701_rekonstrukcija               | PEHD DN 160 | 141,00 | 152,43 | PC2497 | PC2498 |
| PL2702rekonstrukcija                | PEHD DN 160 | 141,00 | 51,90  | PC2498 | PC2499 |
| PL2703_rekonstrukcija               | PEHD DN 110 | 98,60  | 95,46  | PC2499 | PC2500 |
| PL2704_rekonstrukcija               | PEHD DN 110 | 98,60  | 125,15 | PC2500 | PC2501 |
| PL2704A_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 129,55 | PC2499 | PC2504 |
| PL2705_rekonstrukcija               | PEHD DN 110 | 98,60  | 134,47 | PC2501 | PC2502 |
| PL2706_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 106,71 | PC2502 | PC2503 |
| PL2707_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 135,61 | PC2504 | PC2503 |
| PL2708                              | PVC DN 110  | 101,60 | 71,34  | PC2504 | PC2505 |
| PL2709                              | PVC DN 110  | 101,60 | 108,53 | PC2501 | PC2504 |
| PL2710                              | PVC DN 110  | 101,60 | 97,23  | PC2503 | PC2506 |
| PL2711                              | PVC DN 110  | 101,60 | 87,30  | PC2506 | PC2507 |
| PL2712                              | PVC DN 110  | 101,60 | 51,58  | PC2506 | PC2508 |
| PL2713                              | PVC DN 160  | 147,60 | 112,35 | PC2509 | PC2498 |
| PL2714                              | PVC DN 110  | 101,60 | 184,59 | PC2510 | PC2509 |
| PL2715                              | PEHD DN 110 | 96,80  | 104,00 | PC2510 | PC2511 |
| PL2716_rekonstrukcija               | PEHD DN 160 | 141,00 | 66,72  | PC2511 | PC2512 |
| PL2717                              | PEHD DN 90  | 79,20  | 38,76  | PC2512 | PC2513 |
| PL2718                              | PEHD DN 90  | 79,20  | 104,20 | PC2513 | PC2514 |
| PL2719_rekonstrukcija               | PEHD DN 160 | 141,00 | 66,01  | PC2512 | PC2515 |
| PL272                               | PEHD DN 63  | 55,40  | 212,98 | BC272  | PC273  |
| PL2720                              | PEHD DN 63  | 55,40  | 89,46  | PC2515 | PC2516 |
| PL2721                              | PV DN C280  | 258,60 | 47,52  | PC2515 | PC2497 |
| PL2722_rekonstrukcija               | PEHD DN 160 | 141,00 | 278,02 | PC2517 | PC2511 |
| PL2723                              | PVC DN 160  | 147,60 | 297,38 | PC2517 | PC2518 |
| PL2724                              | PVC DN 110  | 101,60 | 119,82 | PC2518 | PC2519 |
| PL2725                              | PVC DN 110  | 101,60 | 87,96  | PC2518 | PC2520 |
| PL2726_rekonstrukcija               | PEHD DN 160 | 141,00 | 62,70  | PC2521 | PC2517 |
| PL2727                              | PVC DN 160  | 147,60 | 8,99   | PC2522 | PC2521 |
| PL2728                              | PVC DN 110  | 101,60 | 134,79 | PC2522 | PC2523 |
| PL2729                              | PVC DN 110  | 101,60 | 98,74  | PC2523 | PC2510 |
| PL2730                              | PVC DN 160  | 147,60 | 350,26 | PC2524 | PC2522 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>315/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |               |        |        |        |        |
|-----------------------|---------------|--------|--------|--------|--------|
| PL2731                | PVC DN 110    | 101,60 | 37,05  | PC2525 | PC2524 |
| PL2732                | PVC DN 110    | 101,60 | 90,44  | PC2525 | PC2526 |
| PL2733                | PVC DN 110    | 101,60 | 117,10 | PC2526 | PC2527 |
| PL2734                | PVC DN 110    | 101,60 | 111,42 | PC2527 | PC2528 |
| PL2735                | PVC DN 110    | 101,60 | 99,63  | PC2526 | PC2529 |
| PL2736                | PEHD DN 90    | 79,20  | 89,04  | PC2529 | PC2530 |
| PL2737                | PVC DN 110    | 101,60 | 238,59 | PC2529 | PC2523 |
| PL2738                | PEHD DN 110   | 96,80  | 157,12 | PC2531 | PC2525 |
| PL2739                | PEHD DN 110   | 96,80  | 76,48  | PC2531 | PC2532 |
| PL274                 | PVC DN 110    | 101,60 | 87,46  | BC274  | PC275  |
| PL2740                | PEHD DN 110   | 96,80  | 174,56 | PC2532 | PC2526 |
| PL2741                | PEHD DN 110   | 96,80  | 97,52  | PC2532 | PC2533 |
| PL2742                | PEHD DN 110   | 96,80  | 388,44 | PC2533 | PC2527 |
| PL2743_rekonstrukcija | PEHD DN 160   | 141,00 | 86,54  | PC2521 | PC2534 |
| PL2744                | PEHD DN 90    | 79,20  | 155,77 | PC2534 | PC2535 |
| PL2745                | PEHD DN 90    | 79,20  | 59,41  | PC2535 | PC2536 |
| PL2746                | PEHD DN 90    | 79,20  | 124,39 | PC2535 | PC2537 |
| PL2747                | PEHD DN 90    | 79,20  | 96,65  | PC2540 | PC2537 |
| PL2748_rekonstrukcija | PEHD DN 160   | 141,00 | 269,39 | PC2540 | PC2534 |
| PL2749                | PEHD DN 90    | 79,20  | 259,82 | PC2537 | PC2538 |
| PL2750                | PEHD DN 110   | 96,80  | 99,96  | PC2538 | PC2539 |
| PL2751_rekonstrukcija | PEHD DN 160   | 141,00 | 82,50  | PC2540 | PC2541 |
| PL2752                | PVC DN 225    | 207,80 | 76,69  | PC2541 | PC2542 |
| PL2753                | PVC DN 110    | 101,60 | 208,14 | PC2542 | PC2543 |
| PL2754                | PVC DN 225    | 207,80 | 379,41 | PC2544 | PC2542 |
| PL2755                | PVC DN 110    | 101,60 | 210,74 | PC2544 | PC2545 |
| PL2755A               | PVC DN 110    | 101,60 | 233,85 | PC2549 | PC2550 |
| PL2756                | PVC DN 110    | 101,60 | 146,06 | PC2545 | PC2548 |
| PL2757                | PVC DN 110    | 101,60 | 305,26 | PC2548 | PC2540 |
| PL2758                | PVC DN 110    | 101,60 | 303,47 | PC2548 | PC2547 |
| PL2759                | PVC DN 160    | 147,60 | 26,11  | PC2547 | PC2524 |
| PL2760                | PEHD DN 160   | 141,00 | 124,46 | PC2547 | PC2546 |
| PL2761                | PVC DN 110    | 101,60 | 302,03 | PC2546 | PC2545 |
| PL2762                | PEHD DN 160   | 141,00 | 114,66 | PC2551 | PC2546 |
| PL2763                | PEHD DN 110   | 96,80  | 108,32 | PC2550 | PC2545 |
| PL2764                | PVC DN 225    | 207,80 | 100,34 | PC2549 | PC2544 |
| PL2766                | PEHD DN 110   | 96,80  | 313,54 | PC2551 | PC2550 |
| PL2767                | PVC DN 225    | 207,80 | 139,14 | PC2552 | PC2549 |
| PL2768                | PEHD DN 160   | 141,00 | 84,38  | PC2554 | PC2551 |
| PL2769                | PVC DN 225    | 207,80 | 17,27  | PC2553 | PC2552 |
| PL277                 | PEHD DN 160   | 141,00 | 61,13  | BC276  | PC279  |
| PL2770                | PEHD DN 160   | 141,00 | 570,70 | PC2554 | PC2552 |
| PL2771                | DUCTIL DN 300 | 301,60 | 567,77 | PC2555 | PC2553 |
| PL2772                | PEHD DN 160   | 141,00 | 20,19  | PC2555 | PC2554 |
| PL2773                | DUCTIL DN 300 | 301,60 | 292,61 | PC2556 | PC2555 |
| PL2774                | PEHD DN 160   | 141,00 | 295,15 | PC2556 | PC2555 |
| PL2775                | DUCTIL DN 300 | 301,60 | 39,83  | PC2557 | PC2556 |
| PL2776_rekonstrukcija | DUCTIL DN 300 | 301,60 | 197,61 | 34     | PC2558 |
| PL2777                | PVC DN 110    | 101,60 | 197,89 | 34     | PC2558 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>316/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE |

|                       |               |        |        |        |        |
|-----------------------|---------------|--------|--------|--------|--------|
| PL2778                | PEHD DN 90    | 79,20  | 1,09   | PC2559 | PC2560 |
| PL2779                | PVC DN 315    | 290,80 | 401,99 | PC2558 | PC2559 |
| PL278                 | PEHD DN 63    | 55,40  | 56,98  | BC277  | PC278  |
| PL2780_rekonstrukcija | PEHD DN 225   | 198,20 | 401,73 | PC2558 | PC2560 |
| PL2781                | PEHD DN 90    | 79,20  | 115,44 | PC2560 | PC2561 |
| PL2782                | PEHD DN 90    | 79,20  | 50,36  | PC2561 | PC2562 |
| PL2783                | PEHD DN 90    | 79,20  | 73,63  | PC2561 | PC2563 |
| PL2784                | PVC DN 315    | 290,80 | 244,76 | PC2559 | PC2564 |
| PL2785_rekonstrukcija | PEHD DN 225   | 198,20 | 245,28 | PC2560 | PC2564 |
| PL2786                | PVC DN 110    | 101,60 | 516,35 | PC2564 | PC2565 |
| PL2787_rekonstrukcija | DUCTIL DN 300 | 301,60 | 557,30 | PC2564 | PC2566 |
| PL2788                | PVC DN 160    | 147,60 | 232,99 | PC2566 | PC2567 |
| PL2789                | PVC DN 160    | 147,60 | 46,52  | PC2567 | PC2568 |
| PL279                 | PEHD DN 160   | 141,00 | 197,55 | PC279  | PC280  |
| PL2790                | PEHD DN 110   | 96,80  | 84,86  | PC2568 | PC2569 |
| PL2791                | PVC DN 160    | 147,60 | 129,47 | PC2568 | PC2570 |
| PL2792                | PVC DN 110    | 101,60 | 246,22 | PC2570 | PC2571 |
| PL2793_rekonstrukcija | PEHD DN 225   | 198,20 | 176,17 | PC2566 | PC2571 |
| PL2794_rekonstrukcija | PEHD DN 225   | 198,20 | 149,73 | PC2571 | PC2573 |
| PL2795                | PVC DN 110    | 101,60 | 254,04 | PC2572 | PC2573 |
| PL2796                | PVC DN 160    | 147,60 | 146,17 | PC2570 | PC2572 |
| PL2797                | PVC DN 160    | 147,60 | 153,37 | PC2572 | PC2574 |
| PL2798                | PVC DN 160    | 147,60 | 17,23  | PC2574 | PC2575 |
| PL2799                | PVC DN 110    | 101,60 | 249,33 | PC2574 | PC2576 |
| PL28                  | PEHD DN 75    | 66,00  | 22,15  | PC27   | PC28   |
| PL280                 | PEHD DN 63    | 55,40  | 263,55 | PC278  | PC281  |
| PL2800_rekonstrukcija | PEHD DN 225   | 198,20 | 149,70 | PC2573 | PC2576 |
| PL2801_rekonstrukcija | PEHD DN 225   | 198,20 | 202,23 | PC2576 | PC2578 |
| PL2802                | PVC DN 110    | 101,60 | 420,82 | PC2578 | PC2579 |
| PL2803                | PVC DN 110    | 101,60 | 431,56 | PC2579 | PC2580 |
| PL2804                | PVC DN 160    | 147,60 | 129,73 | PC2579 | PC2581 |
| PL2805                | PVC DN 110    | 101,60 | 234,19 | PC2581 | PC2582 |
| PL2806                | PVC DN 110    | 101,60 | 262,50 | PC2581 | PC2583 |
| PL2807                | PVC DN 160    | 147,60 | 161,73 | PC2581 | PC2584 |
| PL2808                | PVC DN 110    | 101,60 | 209,23 | PC2584 | PC2585 |
| PL2809                | PVC DN 110    | 101,60 | 119,70 | PC2585 | PC2586 |
| PL2810                | PVC DN 110    | 101,60 | 168,02 | PC2585 | PC2587 |
| PL2811                | PVC DN 110    | 101,60 | 187,28 | PC2587 | PC2588 |
| PL2812                | PVC DN 110    | 101,60 | 233,94 | PC2587 | PC2589 |
| PL2813                | PVC DN 160    | 147,60 | 617,13 | PC2590 | PC2584 |
| PL2814                | PVC DN 110    | 101,60 | 77,29  | PC2590 | PC2591 |
| PL2815                | PVC DN 160    | 147,60 | 37,19  | PC2592 | PC2590 |
| PL2816                | PVC DN 160    | 147,60 | 563,71 | PC2593 | PC2592 |
| PL2817                | PVC DN 110    | 101,60 | 66,49  | PC2594 | PC2593 |
| PL2818                | PVC DN 110    | 101,60 | 338,98 | PC2595 | PC2594 |
| PL2819_rekonstrukcija | PEHD DN 225   | 198,20 | 649,38 | PC2596 | PC2595 |
| PL282                 | PEHD DN 110   | 96,80  | 655,35 | BC282  | PC283  |
| PL2820                | PVC DN 125    | 115,40 | 541,72 | PC2596 | PC2594 |
| PL2821_rekonstrukcija | PEHD DN 225   | 198,20 | 84,26  | PC2597 | PC2596 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>317/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL2822                | PVC DN 110  | 101,60 | 57,03   | PC2597 | PC2598 |
| PL2823                | PVC DN 110  | 101,60 | 81,95   | PC2598 | PC2599 |
| PL2824                | PVC DN 110  | 101,60 | 183,06  | PC2598 | PC2600 |
| PL2825_rekonstrukcija | PEHD DN 225 | 198,20 | 594,23  | PC2578 | PC2597 |
| PL2826                | PEHD DN 63  | 55,40  | 679,70  | PC2592 | PC2601 |
| PL2827                | PVC DN 160  | 147,60 | 266,70  | PC2602 | PC2593 |
| PL2828                | PVC DN 110  | 101,60 | 104,00  | PC2602 | PC2603 |
| PL2829                | PVC DN 160  | 147,60 | 389,52  | PC2604 | PC2602 |
| PL283                 | PVC DN 160  | 147,60 | 362,11  | BC282  | PC284  |
| PL2830                | PVC DN 110  | 101,60 | 672,50  | PC2604 | PC2605 |
| PL2831                | PVC DN 160  | 147,60 | 150,88  | PC2606 | PC2604 |
| PL2832_rekonstrukcija | PEHD DN 225 | 198,20 | 730,48  | PC2595 | PC2606 |
| PL2833                | PEHD DN 280 | 246,80 | 1062,44 | PC2606 | PC2607 |
| PL2834                | PEHD DN 280 | 246,80 | 739,08  | PC2607 | PC2608 |
| PL2835                | PEHD DN 280 | 246,80 | 788,99  | PC2608 | PC2609 |
| PL2836                | PEHD DN 160 | 141,00 | 58,47   | PC2609 | PC2610 |
| PL2837                | PEHD DN 110 | 96,80  | 169,37  | PC2610 | PC2611 |
| PL2838                | PEHD DN 110 | 96,80  | 140,18  | PC2611 | PC2612 |
| PL2839                | PEHD DN 110 | 96,80  | 180,65  | PC2612 | PC2613 |
| PL284                 | PEHD DN 63  | 55,40  | 410,77  | PC284  | PC285  |
| PL2840                | PEHD DN 160 | 141,00 | 5,83    | PC2613 | PC2614 |
| PL2841                | PEHD DN 50  | 44,00  | 56,21   | PC2614 | PC2615 |
| PL2842                | PEHD DN 160 | 141,00 | 182,75  | PC2610 | PC2613 |
| PL2843                | PEHD DN 160 | 141,00 | 57,91   | PC2614 | PC2616 |
| PL2844                | PEHD DN 110 | 96,80  | 75,56   | PC2616 | PC2617 |
| PL2845                | PEHD DN 160 | 141,00 | 199,92  | PC2616 | PC2618 |
| PL2846                | PEHD DN 160 | 141,00 | 118,20  | PC2619 | PC2618 |
| PL2847                | PEHD DN 160 | 141,00 | 23,54   | PC2619 | PC2620 |
| PL2848                | PEHD DN 160 | 141,00 | 183,99  | PC2609 | PC2619 |
| PL2849                | PEHD DN 110 | 96,80  | 172,78  | PC2620 | PC2621 |
| PL285                 | PVC DN 160  | 147,60 | 416,49  | PC284  | PC286  |
| PL2850                | PEHD DN 160 | 141,00 | 87,53   | PC2620 | PC2622 |
| PL2851                | PEHD DN 160 | 141,00 | 81,13   | PC2622 | PC2623 |
| PL2852                | PEHD DN 110 | 96,80  | 84,65   | PC2623 | PC2624 |
| PL2853                | PEHD DN 160 | 141,00 | 70,56   | PC2623 | PC2618 |
| PL2854                | PEHD DN 225 | 198,20 | 180,76  | PC2618 | PC2625 |
| PL2855                | PEHD DN 110 | 96,80  | 179,17  | PC2626 | PC2625 |
| PL2856                | PEHD DN 225 | 198,20 | 390,78  | PC2625 | PC2627 |
| PL2857                | PEHD DN 63  | 55,40  | 230,46  | PC2627 | PC2628 |
| PL2858                | PEHD DN 32  | 28,20  | 88,51   | PC2628 | PC2629 |
| PL2859                | PEHD DN 225 | 198,20 | 369,72  | PC2627 | PC2630 |
| PL286                 | PVC DN 63   | 57,00  | 76,89   | PC286  | PC287  |
| PL2860                | PEHD DN 50  | 44,00  | 48,94   | PC2630 | PC2631 |
| PL2861                | PEHD DN 225 | 198,20 | 651,35  | PC2630 | PC2632 |
| PL2862                | PEHD DN 110 | 96,80  | 83,53   | PC2632 | PC2633 |
| PL2863                | PEHD DN 225 | 198,20 | 1074,66 | PC2632 | PC2634 |
| PL2864                | PEHD DN 225 | 198,20 | 301,05  | PC2634 | PC2635 |
| PL2865                | PVC DN 225  | 207,80 | 322,00  | PC2553 | PC2636 |
| PL2866                | PVC DN 110  | 101,60 | 99,11   | PC2636 | PC2637 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>318/512  |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE |

|                    |             |        |         |        |        |
|--------------------|-------------|--------|---------|--------|--------|
| PL2867             | PEHD DN 110 | 96,80  | 118,46  | PC2637 | PC2638 |
| PL2868             | PVC DN 110  | 101,60 | 196,74  | PC2637 | PC2639 |
| PL2869             | PVC DN 225  | 207,80 | 1117,76 | PC2636 | PC2640 |
| PL287              | PVC DN 160  | 147,60 | 246,91  | PC286  | PC288  |
| PL2871             | PVC DN 225  | 207,80 | 29,57   | PC2640 | PC2642 |
| PL2872             | PVC DN 225  | 207,80 | 180,30  | PC2642 | PC2643 |
| PL2873             | PVC DN 225  | 207,80 | 516,55  | PC2644 | PC2643 |
| PL2874             | PVC DN 110  | 101,60 | 175,02  | PC2644 | PC2645 |
| PL2875             | PVC DN 110  | 101,60 | 64,60   | PC2645 | PC2646 |
| PL2876             | PVC DN 110  | 101,60 | 201,24  | PC2645 | PC2647 |
| PL2877             | PVC DN 110  | 101,60 | 309,07  | PC2647 | PC2648 |
| PL2878             | PVC DN 225  | 207,80 | 250,60  | PC2648 | PC2644 |
| PL2879             | PVC DN 225  | 207,80 | 29,80   | PC2649 | PC2648 |
| PL288              | PVC DN 160  | 147,60 | 1140,22 | PC288  | PC289  |
| PL2880             | PVC DN 160  | 147,60 | 69,65   | PC2649 | PC2650 |
| PL2881             | PVC DN 110  | 101,60 | 581,66  | PC2650 | PC2651 |
| PL2882             | PVC DN 110  | 101,60 | 238,57  | PC2651 | PC2652 |
| PL2883             | PVC DN 110  | 101,60 | 266,26  | PC2652 | PC2653 |
| PL2884             | PVC DN 110  | 101,60 | 305,16  | PC2654 | PC2652 |
| PL2885             | PVC DN 160  | 147,60 | 33,23   | PC2654 | PC2655 |
| PL2886             | PVC DN 110  | 101,60 | 76,82   | PC2656 | PC2655 |
| PL2887             | PVC DN 160  | 147,60 | 126,22  | PC2655 | PC2657 |
| PL2888             | PVC DN 160  | 147,60 | 364,21  | PC2657 | PC2650 |
| PL2889             | PVC DN 110  | 101,60 | 7,39    | PC2658 | PC2657 |
| PL289_rekonstrukc_ | PVC DN 110  | 101,60 | 2,20    | PC289  | PC290  |
| Vodoprojekt        |             |        |         |        |        |
| PL2890             | PVC DN 110  | 101,60 | 46,64   | PC2659 | PC2658 |
| PL2891             | PVC DN 110  | 101,60 | 362,83  | PC2659 | PC2660 |
| PL2892             | PVC DN 110  | 101,60 | 224,72  | PC2661 | PC2659 |
| PL2893             | PVC DN 110  | 101,60 | 143,14  | PC2661 | PC2662 |
| PL2894             | PVC DN 110  | 101,60 | 261,54  | PC2663 | PC2661 |
| PL2895             | PEHD DN 63  | 55,40  | 61,28   | PC2663 | PC2664 |
| PL2896             | PVC DN 110  | 101,60 | 40,66   | PC2647 | PC2663 |
| PL2897             | PVC DN 225  | 207,80 | 1005,15 | PC2665 | PC2649 |
| PL2898             | PVC DN 225  | 207,80 | 261,79  | PC2236 | PC2665 |
| PL2899             | PVC DN 110  | 101,60 | 360,58  | PC2665 | PC2666 |
| PL29               | PEHD DN 75  | 66,00  | 294,16  | PC28A  | PC29   |
| PL290              | PEHD DN 40  | 35,20  | 119,38  | PC290  | PC291  |
| PL2900             | PVC DN 160  | 147,60 | 177,09  | PC2236 | PC2667 |
| PL2901             | PVC DN 110  | 101,60 | 142,64  | PC2667 | PC2668 |
| PL2902             | PVC DN 160  | 147,60 | 341,10  | PC2667 | PC2669 |
| PL2903             | PVC DN 110  | 101,60 | 423,64  | PC2669 | PC2670 |
| PL2904             | PVC DN 160  | 147,60 | 496,59  | PC2669 | PC2671 |
| PL2905             | PVC DN 110  | 101,60 | 152,53  | PC2672 | PC2671 |
| PL2906             | PVC DN 160  | 147,60 | 419,18  | PC2671 | PC2654 |
| PL2907             | PVC DN 110  | 101,60 | 459,16  | PC2658 | PC2672 |
| PL2907A            | PVC DN 110  | 101,60 | 271,16  | PC2672 | PC2682 |
| PL2908             | PVC DN 110  | 101,60 | 120,20  | PC2673 | PC2671 |
| PL2909             | PVC DN 110  | 101,60 | 104,28  | PC2674 | PC2673 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>319/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|---------|-------------|--------|---------|--------|--------|
| PL291   | PVC DN 160  | 147,60 | 822,53  | PC289  | PC292  |
| PL2910  | PVC DN 110  | 101,60 | 190,73  | PC2675 | PC2673 |
| PL2911  | PVC DN 110  | 101,60 | 51,37   | PC2675 | PC2676 |
| PL2912  | PVC DN 110  | 101,60 | 200,11  | PC2677 | PC2675 |
| PL2913  | PEHD DN 110 | 96,80  | 101,00  | PC2678 | PC2677 |
| PL2914  | PVC DN 110  | 101,60 | 115,15  | PC2679 | PC2677 |
| PL2915  | PVC DN 110  | 101,60 | 49,50   | PC2680 | PC2679 |
| PL2916  | PVC DN 110  | 101,60 | 293,93  | PC2679 | PC2681 |
| PL2917  | PVC DN 110  | 101,60 | 65,04   | PC2682 | PC2681 |
| PL2918  | PVC DN 110  | 101,60 | 197,41  | PC2682 | PC2683 |
| PL2919  | PVC DN 110  | 101,60 | 130,47  | PC2681 | PC2684 |
| PL292   | PVC DN 160  | 147,60 | 1693,42 | 19     | PC293  |
| PL2920  | PVC DN 110  | 101,60 | 140,67  | PC2684 | PC2685 |
| PL2921  | PVC DN 110  | 101,60 | 74,43   | PC2685 | PC2686 |
| PL2922  | PVC DN 110  | 101,60 | 136,22  | PC2684 | PC2686 |
| PL2923  | PVC DN 110  | 101,60 | 763,82  | PC2686 | PC2687 |
| PL2924  | PVC DN 110  | 101,60 | 857,22  | PC2687 | PC2688 |
| PL2925  | PVC DN 225  | 207,80 | 487,70  | PC2642 | PC2689 |
| PL2926  | PVC DN 110  | 101,60 | 64,66   | PC2690 | PC2689 |
| PL2927  | PVC DN 110  | 101,60 | 515,97  | PC2643 | PC2690 |
| PL2928  | PVC DN 110  | 101,60 | 788,33  | PC2690 | PC2691 |
| PL2929  | PVC DN 110  | 101,60 | 150,02  | PC2692 | PC2691 |
| PL293   | PVC DN 110  | 101,60 | 311,20  | PC293  | PC294  |
| PL2930  | PVC DN 110  | 101,60 | 79,84   | PC2692 | PC2693 |
| PL2931  | PVC DN 110  | 101,60 | 236,68  | PC2694 | PC2692 |
| PL2932  | PVC DN 110  | 101,60 | 185,12  | PC2691 | PC2695 |
| PL2933  | PVC DN 110  | 101,60 | 120,39  | PC2695 | PC2696 |
| PL2934  | PVC DN 110  | 101,60 | 39,86   | PC2695 | PC2697 |
| PL2935  | PEHD DN 90  | 79,20  | 8,42    | PC2697 | PC2698 |
| PL2936  | PVC DN 110  | 101,60 | 138,52  | PC2697 | PC2699 |
| PL2937  | PVC DN 225  | 207,80 | 268,07  | PC2700 | PC2701 |
| PL2938  | PEHD DN 225 | 198,20 | 877,55  | PC2701 | PC2702 |
| PL2939  | PEHD DN 225 | 198,20 | 850,94  | PC2703 | PC2704 |
| PL294   | PVC DN 160  | 147,60 | 35,24   | PC293  | PC295  |
| PL2940  | PVC DN 110  | 101,60 | 438,30  | PC2704 | PC2706 |
| PL2940A | PEHD DN 225 | 198,20 | 342,44  | PC2705 | PC2704 |
| PL2940B | PVC DN 315  | 290,80 | 96,30   | PC2706 | PC2705 |
| PL2941  | PVC DN 160  | 147,60 | 287,62  | PC2706 | PC2707 |
| PL2942  | PVC DN 110  | 101,60 | 213,74  | PC2707 | PC2708 |
| PL2943  | PVC DN 160  | 147,60 | 264,17  | PC2709 | PC2707 |
| PL2944  | PVC DN 160  | 101,60 | 632,88  | PC2709 | PC2710 |
| PL2945  | PVC DN 160  | 147,60 | 143,53  | PC2711 | PC2709 |
| PL2946  | PVC DN 110  | 101,60 | 228,53  | PC2711 | PC2712 |
| PL2947  | PVC DN 160  | 147,60 | 137,89  | PC2713 | PC2711 |
| PL2948  | PVC DN 110  | 101,60 | 208,20  | PC2713 | PC2714 |
| PL2949  | PVC DN 160  | 147,60 | 163,08  | PC2715 | PC2713 |
| PL295   | PVC DN 110  | 101,60 | 69,80   | PC295  | PC296  |
| PL2950  | PVC DN 110  | 101,60 | 172,30  | PC2715 | PC2716 |
| PL2951  | PVC DN 160  | 147,60 | 192,92  | PC2717 | PC2715 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>320/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL2952                | PVC DN 110  | 101,60 | 217,19  | PC2717 | PC2718 |
| PL2953                | PVC DN 160  | 147,60 | 422,64  | PC2719 | PC2717 |
| PL2954                | PVC DN 160  | 147,60 | 626,29  | PC2720 | PC2719 |
| PL2955_rekonstrukcija | PEHD DN 160 | 141,00 | 667,12  | PC2721 | PC2720 |
| PL2956_rekonstrukcija | PEHD DN 160 | 141,00 | 448,71  | PC2722 | PC2721 |
| PL2956A               | PVC DN 110  | 101,60 | 448,71  | PC2722 | PC2721 |
| PL2957                | PVC DN 110  | 101,60 | 267,25  | PC2723 | PC2721 |
| PL2958                | PVC DN 110  | 101,60 | 324,34  | PC2723 | PC2724 |
| PL2959                | PVC DN 160  | 147,60 | 238,92  | PC2725 | PC2723 |
| PL296                 | PVC DN 160  | 147,60 | 746,98  | PC295  | PC297A |
| PL2960                | PVC DN 110  | 101,60 | 389,64  | PC2722 | PC2725 |
| PL2961                | PVC DN 160  | 147,60 | 14,88   | PC2725 | PC2726 |
| PL2962                | PVC DN 160  | 147,60 | 141,02  | PC2726 | PC2727 |
| PL2963                | PVC DN 110  | 101,60 | 226,58  | PC2727 | PC2728 |
| PL2964                | PVC DN 110  | 101,60 | 106,45  | PC2728 | PC2729 |
| PL2965                | PVC DN 110  | 101,60 | 119,59  | PC2728 | PC2730 |
| PL2966                | PVC DN 110  | 101,60 | 276,62  | PC2726 | PC2730 |
| PL2967                | PVC DN 110  | 101,60 | 144,10  | PC2730 | PC2731 |
| PL2968                | PVC DN 110  | 101,60 | 512,01  | PC2731 | PC2732 |
| PL2969                | PVC DN 160  | 147,60 | 440,00  | PC2727 | PC2733 |
| PL297                 | PVC DN 110  | 101,60 | 114,07  | PC297  | PC298  |
| PL2970                | PVC DN 160  | 147,60 | 168,29  | PC2733 | PC2734 |
| PL2971                | PVC DN 110  | 101,60 | 361,48  | PC2733 | PC2735 |
| PL2972_rekonstrukcija | PEHD DN 160 | 141,00 | 1902,72 | PC2736 | PC2722 |
| PL2973                | PVC DN 160  | 147,60 | 268,71  | PC2737 | PC2736 |
| PL2974                | PVC DN 160  | 147,60 | 8,36    | PC2737 | PC2738 |
| PL2975                | PVC DN 110  | 101,60 | 139,03  | PC2738 | PC2739 |
| PL2976                | PVC DN 110  | 101,60 | 79,73   | PC2739 | PC2740 |
| PL2977                | PVC DN 110  | 101,60 | 302,37  | PC2741 | PC2739 |
| PL2978                | PVC DN 160  | 147,60 | 267,36  | PC2741 | PC2742 |
| PL2979                | PVC DN 160  | 147,60 | 161,19  | PC2741 | PC2738 |
| PL298                 | PVC DN 160  | 147,60 | 567,89  | PC299  | PC297  |
| PL2980                | PVC DN 110  | 101,60 | 821,89  | PC2743 | PC2737 |
| PL2981                | PVC DN 110  | 101,60 | 129,71  | PC2743 | PC2744 |
| PL2982                | PVC DN 110  | 101,60 | 824,79  | PC2745 | PC2743 |
| PL2983_rekonstrukcija | PEHD DN 160 | 141,00 | 815,31  | PC2745 | PC2746 |
| PL2984_rekonstrukcija | PEHD DN 160 | 141,00 | 259,41  | PC2746 | PC2747 |
| PL2985_rekonstrukcija | PEHD DN 160 | 141,00 | 409,13  | PC2747 | PC2748 |
| PL2986_rekonstrukcija | PEHD DN 160 | 141,00 | 250,75  | PC2748 | PC2736 |
| PL2987_rekonstrukcija | PEHD DN 160 | 141,00 | 883,40  | PC2749 | PC2745 |
| PL2988                | PVC DN 110  | 101,60 | 324,78  | PC2750 | PC2706 |
| PL2989                | PVC DN 110  | 101,60 | 386,15  | PC2751 | PC2750 |
| PL299                 | PVC DN 110  | 101,60 | 240,15  | PC299  | PC300  |
| PL2990                | PVC DN 110  | 101,60 | 662,50  | PC2752 | PC2751 |
| PL2991                | PVC DN 110  | 101,60 | 121,63  | PC2752 | PC2754 |
| PL2992                | PEHD DN 110 | 96,80  | 188,09  | PC2756 | PC2755 |
| PL2993                | PVC DN 110  | 101,60 | 210,14  | PC2757 | PC2756 |
| PL2994                | PEHD DN 110 | 96,80  | 10,36   | PC2758 | PC2757 |
| PL2995                | PVC DN 110  | 101,60 | 77,38   | PC2758 | PC2759 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
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|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |             |        |         |        |        |
|---------|-------------|--------|---------|--------|--------|
| PL2996  | PVC DN 110  | 101,60 | 348,32  | PC2720 | PC2758 |
| PL2997  | PVC DN 225  | 207,80 | 358,16  | PC2720 | PC2757 |
| PL2998  | PEHD DN 225 | 198,20 | 344,18  | PC2752 | PC2780 |
| PL2998A | PEHD DN 225 | 198,20 | 58,98   | PC2757 | PC2752 |
| PL2999  | PEHD DN 225 | 198,20 | 540,96  | PC2780 | PC2781 |
| PL2A    | PEHD DN 50  | 44,00  | 123,00  | PC2    | PC3    |
| PL3     | PEHD DN 225 | 198,20 | 377,89  | PC2781 | PC2782 |
| PL30    | PEHD DN 40  | 35,20  | 130,51  | PC29   | PC30   |
| PL300   | PVC DN 160  | 147,60 | 661,31  | PC301  | PC299  |
| PL3001  | PVC DN 110  | 101,60 | 936,08  | PC2782 | PC2750 |
| PL3002  | PEHD DN 225 | 198,20 | 208,80  | PC2782 | PC2783 |
| PL3003  | PEHD DN 225 | 198,20 | 293,01  | PC2783 | PC2784 |
| PL3004  | PEHD DN 225 | 198,20 | 432,47  | PC2784 | PC2785 |
| PL3005  | PVC DN 110  | 101,60 | 565,72  | PC2706 | PC2790 |
| PL3005A | PVC DN 225  | 207,80 | 565,62  | PC2706 | PC2790 |
| PL3006  | PEHD DN 225 | 198,20 | 317,41  | PC2790 | PC2791 |
| PL3007  | PEHD DN 160 | 141,00 | 175,70  | PC2791 | PC2792 |
| PL3008  | PEHD DN 225 | 198,20 | 205,18  | PC2791 | PC2793 |
| PL3009  | PEHD DN 160 | 141,00 | 133,73  | PC2793 | PC2794 |
| PL301   | PVC DN 110  | 101,60 | 142,84  | PC301  | PC302A |
| PL3010  | PEHD DN 225 | 198,20 | 231,10  | PC2793 | PC2795 |
| PL3011  | PEHD DN 160 | 141,00 | 145,04  | PC2796 | PC2793 |
| PL3012  | PEHD DN 160 | 141,00 | 161,03  | PC2797 | PC2796 |
| PL3013  | PEHD DN 160 | 141,00 | 201,98  | PC2791 | PC2797 |
| PL3014  | PVC DN 110  | 101,60 | 131,75  | PC2790 | PC2788 |
| PL3014A | PVC DN 225  | 207,80 | 131,17  | PC2790 | PC2799 |
| PL3015  | PVC DN 225  | 207,80 | 88,69   | PC2799 | PC2800 |
| PL3015A | PVC DN 110  | 101,60 | 88,62   | PC2788 | PC2786 |
| PL3016  | PVC DN 110  | 101,60 | 0,17    | PC2799 | PC2788 |
| PL3017  | PVC DN 110  | 101,60 | 51,14   | PC2788 | PC2789 |
| PL3018  | PVC DN 110  | 101,60 | 0,19    | PC2800 | PC2786 |
| PL3019  | PVC DN 110  | 101,60 | 95,45   | PC2787 | PC2786 |
| PL302   | PVC DN 110  | 101,60 | 82,48   | PC302A | PC303  |
| PL3020  | PVC DN 225  | 207,80 | 125,02  | PC2785 | PC2800 |
| PL3021  | PVC DN 110  | 101,60 | 125,00  | PC2785 | PC2786 |
| PL3022  | PVC DN 225  | 207,80 | 1291,37 | PC2785 | PC2801 |
| PL3023  | PVC DN 225  | 207,80 | 1376,50 | PC2801 | PC2802 |
| PL3024  | PVC DN 110  | 101,60 | 6,21    | PC2802 | PC2804 |
| PL3025  | PVC DN 225  | 207,80 | 3,89    | PC2802 | PC2803 |
| PL3026  | PVC DN 110  | 101,60 | 279,39  | PC2804 | PC2805 |
| PL3027  | PVC DN 110  | 101,60 | 107,07  | PC2805 | PC2809 |
| PL3028  | PVC DN 110  | 101,60 | 248,25  | PC2808 | PC2809 |
| PL3029  | PEHD DN 63  | 55,40  | 5,81    | PC2808 | PC2806 |
| PL303   | PVC DN 110  | 101,60 | 50,41   | PC302A | PC304  |
| PL3030  | PEHD DN 63  | 55,40  | 0,54    | PC2806 | PC2807 |
| PL3031  | PEHD DN 63  | 55,40  | 116,63  | PC2808 | PC2804 |
| PL3032  | PEHD DN 63  | 55,40  | 113,80  | PC2807 | PC2803 |
| PL3033  | PVC DN 225  | 207,80 | 114,02  | PC2803 | PC2806 |
| PL3034  | PVC DN 225  | 207,80 | 224,47  | PC2806 | PC2810 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>322/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL3035                | PEHD DN 63  | 55,40  | 225,15  | PC2810 | PC2807 |
| PL3036                | PEHD DN 63  | 55,40  | 223,93  | PC2811 | PC2808 |
| PL3037                | PVC DN 110  | 101,60 | 130,70  | PC2809 | PC2812 |
| PL3038                | PVC DN 110  | 101,60 | 116,71  | PC2812 | PC2813 |
| PL3039                | PVC DN 110  | 101,60 | 146,17  | PC2812 | PC2817 |
| PL304                 | PVC DN 160  | 147,60 | 508,26  | PC305  | PC301  |
| PL3040                | PVC DN 225  | 207,80 | 63,03   | PC2810 | PC2814 |
| PL3041                | PVC DN 225  | 207,80 | 20,84   | PC2815 | PC2814 |
| PL3042                | PVC DN 225  | 207,80 | 133,61  | PC2816 | PC2815 |
| PL3043                | PEHD DN 63  | 55,40  | 134,25  | PC2815 | PC2816 |
| PL3044                | PVC DN 225  | 207,80 | 24,32   | PC2817 | PC2816 |
| PL3045                | PEHD DN 63  | 55,40  | 47,15   | PC2817 | PC2818 |
| PL3046                | PVC DN 225  | 207,80 | 131,02  | PC2819 | PC2817 |
| PL3046A               | PEHD DN 63  | 55,40  | 113,23  | PC2821 | PC2820 |
| PL3046B               | PEHD DN 63  | 55,40  | 96,17   | PC2822 | PC2823 |
| PL3047                | PEHD DN 63  | 55,40  | 0,30    | PC2819 | PC2820 |
| PL3047A               | PEHD DN 63  | 55,40  | 7,55    | PC2822 | PC2819 |
| PL3048                | PVC DN 225  | 207,80 | 202,55  | PC2824 | PC2819 |
| PL3048A               | PEHD DN 63  | 55,40  | 202,62  | PC2820 | PC2825 |
| PL3048B               | PEHD DN 63  | 55,40  | 202,40  | PC2826 | PC2822 |
| PL3049                | PVC DN 225  | 207,80 | 113,32  | PC2824 | PC2829 |
| PL3049A               | PEHD DN 63  | 55,40  | 89,12   | PC2828 | PC2825 |
| PL3049B               | PEHD DN 63  | 55,40  | 85,67   | PC2827 | PC2826 |
| PL305                 | PVC DN 110  | 101,60 | 77,46   | PC305  | PC306  |
| PL3050                | PVC DN 225  | 207,80 | 10,74   | PC2830 | PC2829 |
| PL3050A               | PEHD DN 63  | 55,40  | 6,79    | PC2826 | PC2824 |
| PL3050B               | PEHD DN 63  | 55,40  | 0,30    | PC2824 | PC2825 |
| PL3051                | PVC DN 110  | 101,60 | 10,76   | PC2830 | PC2831 |
| PL3052                | PVC DN 110  | 101,60 | 150,46  | PC2831 | PC2832 |
| PL3053                | PVC DN 110  | 101,60 | 211,84  | PC2830 | PC2833 |
| PL3054                | PVC DN 225  | 207,80 | 1299,00 | PC2834 | PC2830 |
| PL3055_rekonstrukcija | PEHD DN 225 | 198,60 | 1280,63 | PC2835 | PC2834 |
| PL3056                | PVC DN 160  | 147,60 | 264,68  | PC2835 | PC2836 |
| PL3057                | PVC DN 110  | 101,60 | 371,83  | PC2836 | PC2837 |
| PL3058_rekonstrukcija | PEHD DN 225 | 198,60 | 92,58   | PC2838 | PC2835 |
| PL3059                | PEHD DN 63  | 55,40  | 127,12  | PC2835 | PC2840 |
| PL306                 | PVC DN 160  | 147,60 | 115,46  | PC307  | PC305  |
| PL3060_rekonstrukcija | PEHD DN 225 | 198,60 | 35,07   | PC2839 | PC2838 |
| PL3061                | PEHD DN 63  | 55,40  | 22,83   | PC2841 | PC2842 |
| PL3062_rekonstrukcija | PEHD DN 225 | 198,60 | 115,25  | PC2844 | PC2839 |
| PL3062A               | PEHD DN 63  | 55,40  | 115,31  | PC2840 | PC2845 |
| PL3062B               | PEHD DN 63  | 55,40  | 104,26  | PC2842 | PC2843 |
| PL3063                | PVC DN 160  | 147,60 | 126,09  | PC2844 | PC2867 |
| PL3064_rekonstrukcija | PEHD DN 225 | 198,60 | 147,76  | PC2847 | PC2844 |
| PL3064A               | PEHD DN 63  | 55,40  | 147,91  | PC2845 | PC2849 |
| PL3064B               | PEHD DN 63  | 55,40  | 127,14  | PC2846 | PC2848 |
| PL3065_rekonstrukcija | PEHD DN 225 | 198,60 | 137,74  | PC2850 | PC2847 |
| PL3065A               | PEHD DN 63  | 55,40  | 90,15   | PC2849 | PC2852 |
| PL3065B               | PEHD DN 63  | 55,40  | 130,70  | PC2851 | PC2848 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>323/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL3066                | PVC DN 160  | 147,60 | 41,39   | PC2853 | PC2850 |
| PL3067                | PVC DN 110  | 101,60 | 432,41  | PC2853 | PC2854 |
| PL3068                | PVC DN 110  | 101,60 | 65,29   | PC2854 | PC2855 |
| PL3069                | PEHD DN 110 | 96,80  | 261,33  | PC2854 | PC2856 |
| PL307                 | PVC DN 110  | 101,60 | 82,23   | PC307  | PC308  |
| PL3070                | PVC DN 160  | 147,60 | 155,45  | PC2853 | PC2857 |
| PL3071                | PVC DN 110  | 101,60 | 260,31  | PC2857 | PC2858 |
| PL3072                | PEHD DN 110 | 96,80  | 52,58   | PC2859 | PC2858 |
| PL3073                | PEHD DN 110 | 96,80  | 39,37   | PC2859 | PC2860 |
| PL3074                | PEHD DN 110 | 96,80  | 117,59  | PC2861 | PC2859 |
| PL3075                | PVC DN 160  | 147,60 | 1173,83 | PC2857 | PC2862 |
| PL3076                | PEHD DN 110 | 96,80  | 178,85  | PC2863 | PC2862 |
| PL3077                | PVC DN 160  | 147,60 | 1004,32 | PC2862 | PC2864 |
| PL3078                | PEHD DN 63  | 55,40  | 1,17    | PC2839 | PC2840 |
| PL3078A               | PEHD DN 63  | 55,40  | 6,15    | PC2842 | PC2839 |
| PL3079                | PEHD DN 63  | 55,40  | 0,69    | PC2847 | PC2849 |
| PL3079A               | PEHD DN 63  | 55,40  | 7,72    | PC2848 | PC2847 |
| PL308                 | PVC DN 160  | 147,60 | 157,09  | PC309  | PC307  |
| PL3080_rekonstrukcija | PEHD DN 160 | 141,00 | 25,90   | PC2865 | PC2838 |
| PL3081                | PVC DN 110  | 101,60 | 105,06  | PC2865 | PC2866 |
| PL3082_rekonstrukcija | PEHD DN 160 | 141,00 | 166,15  | PC2867 | PC2865 |
| PL3083_rekostrukcija  | PEHD DN 160 | 141,00 | 109,29  | PC2867 | PC2868 |
| PL3084                | PVC DN 110  | 101,60 | 116,69  | PC2868 | PC2869 |
| PL3085_rekonstrukcija | PEHD DN 160 | 141,00 | 68,13   | PC2868 | PC2870 |
| PL3086                | PVC DN 110  | 101,60 | 233,85  | PC2870 | PC2871 |
| PL3087                | PVC DN 160  | 147,60 | 203,60  | PC2870 | PC2872 |
| PL3088                | PVC DN 110  | 101,60 | 228,80  | PC2872 | PC2873 |
| PL3089                | PVC DN 160  | 147,60 | 127,67  | PC2872 | PC2874 |
| PL309                 | PVC DN 110  | 101,60 | 205,15  | PC309  | PC310  |
| PL3090                | PVC DN 110  | 101,60 | 270,63  | PC2874 | PC2875 |
| PL3091                | PVC DN 160  | 147,60 | 548,27  | PC2876 | PC2874 |
| PL3092                | PVC DN 110  | 101,60 | 225,07  | PC2877 | PC2876 |
| PL3093                | PVC DN 110  | 101,60 | 158,73  | PC2876 | PC2878 |
| PL3094_rekonstrukcija | PEHD DN 160 | 141,00 | 328,36  | PC2878 | PC2879 |
| PL3095_rekonstrukcija | PEHD DN 160 | 141,00 | 463,22  | PC2878 | PC2880 |
| PL3096_rekonstrukcija | PEHD DN 160 | 141,00 | 140,66  | PC2881 | PC2880 |
| PL3097_rekonstrukcija | PEHD DN 160 | 141,00 | 184,02  | PC2870 | PC2881 |
| PL3098                | PVC DN 160  | 147,60 | 109,71  | PC2882 | PC2881 |
| PL3099                | PVC DN 110  | 101,60 | 78,94   | PC2883 | PC2882 |
| PL31                  | PEHD DN 75  | 66,00  | 468,78  | PC29   | PC31   |
| PL310                 | PVC DN 110  | 101,60 | 85,13   | PC310  | PC312  |
| PL3100                | PVC DN 160  | 147,60 | 65,52   | PC2882 | PC2850 |
| PL3101_rekonstrukcija | PEHD DN 225 | 198,60 | 173,07  | PC2884 | PC2850 |
| PL3102                | PEHD DN 63  | 55,40  | 1,25    | PC2884 | PC2885 |
| PL3103                | PEHD DN 63  | 55,40  | 97,88   | PC2885 | PC2886 |
| PL3104                | PVC DN 160  | 147,60 | 126,04  | PC2880 | PC2884 |
| PL3105_rekonstrukcija | PEHD DN 225 | 198,60 | 134,44  | PC2887 | PC2884 |
| PL3106                | PVC DN 160  | 147,60 | 250,80  | PC2888 | PC2887 |
| PL3107                | PVC DN 160  | 147,60 | 178,80  | PC2878 | PC2888 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>324/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|------------------------|-------------|--------|---------|--------|--------|
| PL3108                 | PVC DN 160  | 147,60 | 199,47  | PC2888 | PC2889 |
| PL3109_rekonstrukcija  | PEHD DN 225 | 198,60 | 222,53  | PC2889 | PC2887 |
| PL311                  | PVC DN 110  | 101,60 | 213,57  | PC310  | PC311  |
| PL3110_rekonstrukcija1 | PEHD DN 225 | 198,60 | 890,00  | PC2890 | 3      |
| PL3110_rekonstrukcija2 | PEHD DN 225 | 198,60 | 600,00  | 3      | PC2889 |
| PL3111                 | PVC DN 110  | 101,60 | 93,26   | PC2891 | PC2890 |
| PL3112                 | PVC DN 110  | 101,60 | 96,17   | PC2891 | PC2892 |
| PL3113                 | PEHD DN 63  | 55,40  | 45,56   | PC2892 | PC2893 |
| PL3114                 | PVC DN 110  | 101,60 | 405,41  | PC2892 | PC2894 |
| PL3114A                | PVC DN 110  | 101,60 | 498,50  | PC2895 | PC2891 |
| PL3115                 | PVC DN 110  | 101,60 | 202,68  | PC2894 | PC2895 |
| PL3116                 | PVC DN 110  | 101,60 | 110,76  | PC2895 | PC2896 |
| PL3117                 | PVC DN 50   | 45,00  | 204,09  | PC2895 | PC2897 |
| PL3118                 | PVC DN 110  | 101,60 | 162,12  | PC2897 | PC2898 |
| PL3119                 | PVC DN 110  | 101,60 | 8,28    | PC2894 | PC2898 |
| PL312                  | PVC DN 160  | 147,60 | 179,64  | PC313  | PC309  |
| PL3120                 | PVC DN 110  | 101,60 | 140,71  | PC2898 | PC2899 |
| PL3121                 | PEHD DN 63  | 55,40  | 86,13   | PC2899 | PC2900 |
| PL3122                 | PVC DN 50   | 45,00  | 448,57  | PC2899 | PC2901 |
| PL3123                 | PVC DN 110  | 101,60 | 244,53  | PC2901 | PC2897 |
| PL3124                 | PVC DN 110  | 101,60 | 666,00  | PC2901 | PC2902 |
| PL3125_rekonstrukcija  | PEHD DN 225 | 198,60 | 1487,02 | PC2903 | PC2890 |
| PL3126                 | PVC DN 110  | 101,60 | 205,30  | PC2904 | PC2834 |
| PL3127                 | PVC DN 110  | 101,60 | 124,34  | PC2904 | PC2905 |
| PL3128                 | PVC DN 110  | 101,60 | 1131,09 | PC2906 | PC2904 |
| PL3129                 | PVC DN 110  | 101,60 | 347,44  | PC2907 | PC2906 |
| PL313                  | PVC DN 110  | 101,60 | 248,34  | PC313  | PC314  |
| PL3130_rekonstrukcija  | PEHD DN 225 | 198,60 | 1057,55 | PC2834 | PC2907 |
| PL3131                 | PVC DN 110  | 101,60 | 195,61  | PC2908 | PC2907 |
| PL3132                 | PVC DN 110  | 101,60 | 682,13  | PC2908 | PC2910 |
| PL3133                 | PVC DN 110  | 101,60 | 810,92  | PC2908 | PC2909 |
| PL3134_rekonstrukcija  | PEHD DN 225 | 198,60 | 411,27  | PC2907 | PC2911 |
| PL3135                 | PVC DN 110  | 101,60 | 203,94  | PC2911 | PC2912 |
| PL3136                 | PVC DN 110  | 101,60 | 115,11  | PC2913 | PC2911 |
| PL3137                 | PVC DN 110  | 101,60 | 242,99  | PC2914 | PC2913 |
| PL3138                 | PVC DN 110  | 101,60 | 136,22  | PC2913 | PC2914 |
| PL3139_rekonstrukcija  | PEHD DN 225 | 198,60 | 210,61  | PC2911 | PC2915 |
| PL3139A                | PEHD DN 63  | 55,40  | 148,73  | PC2916 | PC2918 |
| PL3139B                | PEHD DN 63  | 55,40  | 168,83  | PC2919 | PC2917 |
| PL314                  | PVC DN 160  | 147,60 | 67,74   | PC315  | PC313  |
| PL3140                 | PEHD DN 63  | 55,40  | 12,58   | PC2915 | PC2916 |
| PL3140A                | PEHD DN 63  | 55,40  | 1,51    | PC2917 | PC2915 |
| PL3141                 | PVC DN 110  | 101,60 | 119,46  | PC2920 | PC2917 |
| PL3142                 | PVC DN 110  | 101,60 | 20,33   | PC2920 | PC2921 |
| PL3143                 | PEHD DN 110 | 96,80  | 152,62  | PC2920 | PC2922 |
| PL3144_rekonstrukcija  | PEHD DN 225 | 198,60 | 628,70  | PC2915 | PC2925 |
| PL3144A                | PEHD DN 63  | 55,40  | 533,16  | PC2917 | PC2923 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>325/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |         |        |        |
|---------|---------------|--------|---------|--------|--------|
| PL3144B | PEHD DN 63    | 55,40  | 601,02  | PC2924 | PC2916 |
| PL3145  | PVC DN 225    | 207,80 | 763,38  | PC2925 | PC2926 |
| PL2684  | PEHD DN 160   | 141,00 | 125,54  | PC1247 | PC2481 |
| PL3146  | PVC DN 225    | 207,80 | 1493,81 | PC2927 | PC2926 |
| PL3147  | PEHD DN 63    | 55,40  | 267,70  | PC2929 | PC2928 |
| PL3148  | PEHD DN 63    | 55,40  | 135,08  | PC2930 | PC2927 |
| PL3149  | PEHD DN 63    | 55,40  | 10,03   | PC2927 | PC2928 |
| PL315   | PVC DN 160    | 147,60 | 233,87  | PC316  | PC315  |
| PL3150  | PEHD DN 110   | 96,80  | 106,18  | PC2927 | PC2931 |
| PL3151  | PVC DN 225    | 207,80 | 134,28  | PC2927 | PC2932 |
| PL3151A | PEHD DN 63    | 55,40  | 115,19  | PC2928 | PC2934 |
| PL3151B | PEHD DN 63    | 55,40  | 128,41  | PC2927 | PC2933 |
| PL3152  | PVC DN 110    | 101,60 | 462,01  | PC2935 | PC2932 |
| PL3153  | PVC DN 225    | 207,80 | 120,50  | PC2932 | PC2936 |
| PL3154  | PEHD DN 63    | 55,40  | 5,20    | PC2936 | PC2937 |
| PL3154A | PEHD DN 63    | 55,40  | 8,32    | PC2937 | PC2939 |
| PL3155  | PEHD DN 63    | 55,40  | 77,63   | PC2937 | PC2938 |
| PL3156  | PEHD DN 63    | 55,40  | 109,41  | PC2940 | PC2939 |
| PL3157  | PVC DN 225    | 207,80 | 378,79  | PC2936 | PC2941 |
| PL3157A | PEHD DN 63    | 55,40  | 246,58  | PC2942 | PC2937 |
| PL3157B | PEHD DN 63    | 55,40  | 262,40  | PC2939 | PC2943 |
| PL3158  | DUCTIL DN 250 | 250,40 | 574,59  | PC2941 | PC2944 |
| PL3159  | DUCTIL DN 250 | 250,40 | 820,65  | PC2944 | PC2945 |
| PL316   | PVC DN 110    | 101,60 | 107,92  | PC316  | PC317  |
| PL3160  | DUCTIL DN 250 | 250,40 | 623,33  | PC2945 | PC2946 |
| PL3161  | PVC DN 110    | 101,60 | 68,47   | PC2946 | PC2947 |
| PL3162  | DUCTIL DN 250 | 250,40 | 21,94   | PC2946 | PC2948 |
| PL3163  | DUCTIL DN 250 | 250,40 | 128,03  | PC2948 | PC2949 |
| PL3164  | PEHD DN 225   | 198,20 | 443,75  | PC2946 | PC2950 |
| PL3165  | PEHD DN 110   | 96,80  | 872,26  | PC2948 | PC2952 |
| PL3166  | PVC DN 110    | 101,60 | 188,94  | PC2950 | PC2951 |
| PL3167  | PEHD DN 225   | 198,20 | 421,58  | PC2950 | PC2953 |
| PL3168  | PVC DN 110    | 101,60 | 15,64   | PC2952 | PC2953 |
| PL3169  | PVC DN 225    | 207,80 | 68,43   | PC2953 | PC2954 |
| PL3169A | PVC DN 110    | 101,60 | 68,85   | PC2953 | PC2954 |
| PL317   | PVC DN 110    | 101,60 | 100,09  | PC317  | PC318  |
| PL3170  | PVC DN 225    | 207,80 | 228,07  | PC2954 | PC2955 |
| PL3170A | PVC DN 110    | 101,60 | 229,03  | PC2954 | PC2955 |
| PL3171  | PVC DN 160    | 147,60 | 168,50  | PC2956 | PC2955 |
| PL3172  | PVC DN 160    | 147,60 | 140,92  | PC2957 | PC2956 |
| PL3173  | PVC DN 160    | 147,60 | 91,86   | PC2958 | PC2957 |
| PL3174  | PVC DN 160    | 147,60 | 207,95  | PC2959 | PC2958 |
| PL3175  | PVC DN 110    | 101,60 | 188,28  | PC2960 | PC2959 |
| PL3175A | PVC DN 160    | 147,60 | 269,97  | PC2969 | PC2959 |
| PL3176  | PVC DN 110    | 101,60 | 49,31   | PC2961 | PC2960 |
| PL3177  | PVC DN 110    | 101,60 | 118,39  | PC2962 | PC2961 |
| PL3178  | PVC DN 160    | 147,60 | 110,85  | PC2963 | PC2962 |
| PL3179  | PVC DN 160    | 147,60 | 540,02  | PC2954 | PC2963 |
| PL318   | PVC DN 110    | 101,60 | 116,14  | PC317  | PC319  |

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|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>326/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                              |               |        |        |        |        |
|------------------------------|---------------|--------|--------|--------|--------|
| PL3180                       | PVC DN 110    | 101,60 | 416,83 | PC2962 | PC2956 |
| PL3181                       | PVC DN 110    | 101,60 | 250,53 | PC2964 | PC2961 |
| PL3182                       | PVC DN 110    | 101,60 | 14,22  | PC2958 | PC2964 |
| PL3183                       | PVC DN 110    | 101,60 | 193,47 | PC2964 | PC2960 |
| PL3184                       | PVC DN 110    | 101,60 | 187,88 | PC2962 | PC2965 |
| PL3185                       | PVC DN 160    | 147,60 | 381,43 | PC2963 | PC2966 |
| PL3186                       | PVC DN 160    | 147,60 | 110,61 | PC2966 | PC2967 |
| PL3187                       | PVC DN 110    | 101,60 | 336,08 | PC2961 | PC2967 |
| PL3188                       | PVC DN 160    | 147,60 | 199,17 | PC2968 | PC2967 |
| PL3189                       | PVC DN 160    | 147,60 | 132,63 | PC2968 | PC2969 |
| PL319                        | PVC DN 160    | 147,60 | 257,33 | PC320  | PC316  |
| PL3190                       | PVC DN 110    | 101,60 | 124,88 | PC2970 | PC2968 |
| PL3191                       | PVC DN 110    | 101,60 | 99,13  | PC2970 | PC2971 |
| PL3192                       | PVC DN 110    | 101,60 | 77,46  | PC2970 | PC2972 |
| PL3193                       | PVC DN 110    | 101,60 | 114,34 | PC2972 | PC2973 |
| PL3194                       | PVC DN 110    | 101,60 | 216,24 | PC2966 | PC2974 |
| PL3195                       | PVC DN 160    | 147,60 | 172,09 | PC2969 | PC2975 |
| PL3196                       | PVC DN 160    | 147,60 | 160,73 | PC2975 | PC2976 |
| PL3197                       | PVC DN 110    | 101,60 | 129,45 | PC2976 | PC2977 |
| PL3198                       | PVC DN 110    | 101,60 | 160,96 | PC2977 | PC2978 |
| PL3199                       | PVC DN 110    | 101,60 | 81,79  | PC2978 | PC2979 |
| PL32                         | PEHD DN 40    | 35,20  | 64,36  | PC31   | PC32   |
| PL32_rekonstrukc_Vodoprojekt | PEHD DN 225   | 198,20 | 808,44 | 5      | PC563  |
| PL320                        | PVC DN 110    | 101,60 | 409,08 | PC320  | PC321  |
| PL3200                       | PVC DN 110    | 101,60 | 130,47 | PC2975 | PC2978 |
| PL3201                       | PVC DN 110    | 101,60 | 449,57 | PC2967 | PC2980 |
| PL3202                       | PVC DN 110    | 101,60 | 802,15 | PC2949 | PC2981 |
| PL3203                       | PEHD DN 110   | 96,80  | 109,40 | PC2981 | PC2982 |
| PL3204                       | PEHD DN 225   | 198,20 | 37,02  | PC2983 | PC2984 |
| PL3205                       | PEHD DN 110   | 96,80  | 185,50 | PC2983 | PC2985 |
| PL3206                       | PEHD DN 225   | 198,20 | 291,19 | PC2983 | PC2986 |
| PL3207                       | DUCTIL DN 250 | 250,40 | 103,31 | PC2986 | PC2987 |
| PL3208                       | DUCTIL DN 250 | 250,40 | 70,54  | PC2986 | PC2988 |
| PL3209                       | PEHD DN 225   | 198,20 | 367,27 | PC2988 | PC2989 |
| PL321                        | PVC DN 110    | 101,60 | 195,51 | PC321  | PC322  |
| PL3210                       | PEHD DN 160   | 141,00 | 162,25 | PC2989 | PC2990 |
| PL3211                       | PEHD DN 225   | 198,20 | 280,53 | PC2989 | PC2991 |
| PL3212                       | PVC DN 110    | 101,60 | 2,92   | PC2992 | PC2981 |
| PL3213                       | PVC DN 110    | 101,60 | 348,55 | PC2992 | PC2952 |
| PL3214                       | PVC DN 110    | 101,60 | 234,40 | PC2992 | PC2993 |
| PL3215                       | PVC DN 110    | 101,60 | 170,09 | PC2993 | PC2994 |
| PL3216                       | PVC DN 110    | 101,60 | 220,44 | PC2993 | PC2995 |
| PL3217                       | PVC DN 110    | 101,60 | 171,87 | PC2995 | PC2996 |
| PL3218                       | PVC DN 110    | 101,60 | 115,22 | PC2997 | PC2995 |
| PL3219                       | PVC DN 110    | 101,60 | 156,18 | PC2998 | PC2997 |
| PL322                        | PVC DN 110    | 101,60 | 117,01 | PC321  | PC324  |
| PL3220                       | PVC DN 110    | 101,60 | 63,85  | PC2999 | PC2998 |
| PL3221                       | PVC DN 110    | 101,60 | 118,44 | PC2999 | PC2993 |

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|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>327/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|---------|-------------|--------|--------|--------|--------|
| PL3222  | PVC DN 110  | 101,60 | 215,36 | PC2999 | PC3000 |
| PL3223  | PVC DN 110  | 101,60 | 68,85  | PC2998 | PC3001 |
| PL3224  | PVC DN 110  | 101,60 | 83,24  | PC3001 | PC3003 |
| PL3225  | PVC DN 110  | 101,60 | 29,12  | PC3001 | PC3002 |
| PL3226  | PVC DN 110  | 101,60 | 123,32 | PC3001 | PC3004 |
| PL3227  | PEHD DN 90  | 90,00  | 77,70  | PC3004 | PC3005 |
| PL3228  | PVC DN 110  | 101,60 | 230,33 | PC2997 | PC3006 |
| PL3229  | PVC DN 225  | 207,80 | 151,24 | PC2955 | PC3007 |
| PL3229A | PVC DN 110  | 101,60 | 152,12 | PC2955 | PC3007 |
| PL323   | PVC DN 160  | 147,60 | 77,23  | PC292  | PC320  |
| PL3230  | PVC DN 110  | 101,60 | 227,10 | PC3007 | PC2997 |
| PL3231  | PVC DN 225  | 207,80 | 255,59 | PC3007 | PC3008 |
| PL3231A | PVC DN 110  | 101,60 | 256,61 | PC3007 | PC3008 |
| PL3232  | PVC DN 225  | 207,80 | 171,77 | PC3009 | PC3008 |
| PL3232A | PVC DN 110  | 101,60 | 172,29 | PC3008 | PC3009 |
| PL3233  | PVC DN 225  | 207,80 | 540,79 | PC3009 | PC3011 |
| PL3233A | PVC DN 110  | 101,60 | 540,84 | PC3009 | PC3010 |
| PL3234  | PVC DN 160  | 147,60 | 590,21 | PC3009 | PC3012 |
| PL3235  | PVC DN 110  | 101,60 | 26,68  | PC3013 | PC3012 |
| PL3236  | PVC DN 110  | 101,60 | 56,23  | PC3013 | PC3014 |
| PL3236A | PVC DN 110  | 101,60 | 196,31 | PC3013 | PC3442 |
| PL3237  | PVC DN 110  | 101,60 | 72,35  | PC3015 | PC3013 |
| PL3238  | PVC DN 110  | 101,60 | 110,39 | PC3016 | PC3015 |
| PL3239  | PVC DN 110  | 101,60 | 384,02 | PC3018 | PC3017 |
| PL324   | PVC DN 160  | 147,60 | 540,20 | PC292A | PC325  |
| PL3240  | PVC DN 110  | 101,60 | 69,50  | PC3019 | PC3018 |
| PL3241  | PEHD DN 110 | 96,80  | 169,74 | PC3018 | PC3020 |
| PL3242  | PVC DN 110  | 101,60 | 176,61 | PC3022 | PC3019 |
| PL3243  | PEHD DN 110 | 96,80  | 63,47  | PC3020 | PC3021 |
| PL3244  | PVC DN 110  | 101,60 | 192,82 | PC3023 | PC3022 |
| PL3245  | PVC DN 110  | 101,60 | 198,60 | PC3022 | PC2957 |
| PL3246  | PVC DN 110  | 101,60 | 378,12 | PC3008 | PC3019 |
| PL3247  | PVC DN 110  | 101,60 | 292,18 | PC3012 | PC3024 |
| PL3248  | PVC DN 160  | 147,60 | 254,09 | PC3015 | PC3025 |
| PL3249  | PVC DN 110  | 101,60 | 79,55  | PC3025 | PC3026 |
| PL325   | PVC DN 110  | 101,60 | 122,54 | PC325  | PC326  |
| PL3250  | PVC DN 160  | 147,60 | 88,80  | PC3025 | PC3027 |
| PL3251  | PVC DN 110  | 101,60 | 190,51 | PC3028 | PC3025 |
| PL3252  | PVC DN 110  | 101,60 | 172,86 | PC3029 | PC3028 |
| PL3253  | PVC DN 110  | 101,60 | 12,69  | PC3029 | PC3030 |
| PL3254  | PVC DN 110  | 101,60 | 125,92 | PC3031 | PC3030 |
| PL3255  | PVC DN 110  | 101,60 | 65,21  | PC3030 | PC3032 |
| PL3256  | PVC DN 110  | 101,60 | 116,04 | PC3033 | PC3029 |
| PL3257  | PVC DN 110  | 101,60 | 83,88  | PC3034 | PC3033 |
| PL3258  | PVC DN 110  | 101,60 | 199,11 | PC3033 | PC3035 |
| PL3259  | PVC DN 160  | 147,60 | 121,58 | PC3035 | PC3036 |
| PL326   | PVC DN 160  | 147,60 | 40,23  | PC327  | PC325  |
| PL3260  | PEHD DN 110 | 96,80  | 131,77 | PC3037 | PC3035 |
| PL3261  | PVC DN 110  | 101,60 | 239,60 | PC3037 | PC3038 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>328/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |               |        |         |        |        |
|-----------------------|---------------|--------|---------|--------|--------|
| PL3262                | PEHD DN 110   | 96,80  | 97,46   | PC3038 | PC3039 |
| PL3263                | PEHD DN 160   | 141,00 | 184,15  | PC2969 | PC3037 |
| PL3264                | PEHD DN 110   | 96,80  | 246,24  | PC3038 | PC3020 |
| PL3265                | PVC DN 110    | 101,60 | 152,26  | PC3035 | PC3040 |
| PL3266                | PEHD DN 110   | 96,80  | 133,42  | PC3041 | PC3040 |
| PL3267                | PEHD DN 110   | 96,80  | 12,95   | PC3041 | PC3042 |
| PL3268                | PEHD DN 110   | 96,80  | 98,70   | PC3041 | PC3043 |
| PL3269                | PEHD DN 110   | 96,80  | 55,87   | PC3043 | PC3044 |
| PL327                 | PVC DN 110    | 101,60 | 194,19  | PC327  | PC328  |
| PL3270                | PEHD DN 110   | 96,80  | 79,33   | PC3043 | PC3045 |
| PL3271                | PEHD DN 110   | 96,80  | 115,76  | PC3048 | PC3041 |
| PL3272                | PEHD DN 110   | 96,80  | 83,65   | PC3048 | PC3049 |
| PL3273                | PEHD DN 110   | 96,80  | 132,25  | PC3047 | PC3048 |
| PL3274                | PEHD DN 110   | 96,80  | 127,24  | PC3047 | PC3040 |
| PL3275                | PEHD DN 110   | 96,80  | 122,24  | PC3046 | PC3047 |
| PL3276                | PEHD DN 110   | 96,80  | 279,72  | PC3037 | PC3046 |
| PL3277                | PEHD DN 110   | 96,80  | 211,10  | PC3050 | PC3046 |
| PL3278                | DUCTIL DN 250 | 250,40 | 1200,48 | PC2988 | PC3051 |
| PL3279                | DUCTIL DN 250 | 250,40 | 142,32  | PC3051 | PC3052 |
| PL328                 | PVC DN 160    | 147,60 | 105,71  | PC329  | PC327  |
| PL3280 rekonstrukcija | PEHD DN 225   | 198,60 | 316,51  | PC3053 | PC3052 |
| PL3281                | PVC DN 110    | 101,60 | 309,49  | PC3054 | PC3053 |
| PL3282 rekonstrukcija | PEHD DN 225   | 198,60 | 11,69   | PC3055 | PC3053 |
| PL3283                | PVC DN 110    | 101,60 | 408,37  | PC3055 | PC3056 |
| PL3284                | PVC DN 110    | 101,60 | 207,07  | PC3053 | PC3057 |
| PL3285                | PVC DN 110    | 101,60 | 145,41  | PC3057 | PC3058 |
| PL3286                | PVC DN 110    | 101,60 | 117,38  | PC3057 | PC3059 |
| PL3287                | PVC DN 110    | 101,60 | 213,16  | PC3059 | PC3060 |
| PL3288                | PVC DN 110    | 101,60 | 160,79  | PC3059 | PC3061 |
| PL3289 rekonstrukcija | PEHD DN 225   | 198,60 | 428,11  | PC3061 | PC3055 |
| PL329                 | PVC DN 160    | 101,60 | 154,50  | PC329  | PC330  |
| PL3290 rekonstrukcija | PEHD DN 225   | 198,60 | 378,16  | PC3061 | PC3062 |
| PL3291                | PVC DN 110    | 101,60 | 222,72  | PC3063 | PC3062 |
| PL3292 rekonstrukcija | PEHD DN 225   | 198,60 | 446,43  | PC3064 | PC3062 |
| PL3293                | PVC DN 110    | 101,60 | 191,72  | PC3064 | PC3065 |
| PL3294 rekonstrukcija | PEHD DN 225   | 198,60 | 1105,85 | PC3066 | PC3064 |
| PL3295                | PVC DN 90     | 81,40  | 178,76  | PC3066 | PC3067 |
| PL3296 rekonstrukcija | PEHD DN 225   | 198,60 | 117,09  | PC3068 | PC3066 |
| PL3297                | PVC DN 160    | 147,60 | 197,19  | PC3068 | PC3069 |
| PL3298                | PVC DN 110    | 101,60 | 213,95  | PC3069 | PC3070 |
| PL3299                | PVC DN 110    | 101,60 | 201,76  | PC3070 | PC3071 |
| PL33                  | PEHD DN 75    | 66,00  | 262,90  | PC31   | PC33   |
| PL330                 | PVC DN 160    | 147,60 | 294,71  | PC331  | PC329  |
| PL3300                | PVC DN 110    | 101,60 | 262,76  | PC3071 | PC3072 |
| PL3301                | PVC DN 160    | 147,60 | 203,55  | PC3069 | PC3072 |
| PL3302                | PVC DN 160    | 147,60 | 813,54  | PC3072 | PC3073 |
| PL3303                | PVC DN 110    | 101,60 | 276,54  | PC3073 | PC3074 |
| PL3304                | PVC DN 160    | 147,60 | 145,20  | PC3073 | PC3075 |
| PL3305                | PVC DN 110    | 101,60 | 198,18  | PC3075 | PC3076 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>329/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

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|-----------------------|-------------|--------|---------|--------|--------|
| PL3306                | PVC DN 160  | 147,60 | 38,57   | PC3075 | PC3077 |
| PL3307                | PVC DN 110  | 101,60 | 158,46  | PC3077 | PC3078 |
| PL3308                | PVC DN 160  | 147,60 | 373,56  | PC3077 | PC3079 |
| PL3309_rekonstrukcija | PEHD DN 225 | 198,60 | 1646,46 | PC3080 | PC3068 |
| PL331                 | PEHD DN 63  | 55,40  | 59,81   | PC331  | PC332  |
| PL3310                | PVC DN 110  | 101,60 | 121,95  | PC3080 | PC3081 |
| PL3311                | PVC DN 110  | 101,60 | 667,08  | PC3081 | PC3082 |
| PL3312                | PVC DN 110  | 101,60 | 124,59  | PC3082 | PC3093 |
| PL3313_rekonstrukcija | PEHD DN 225 | 198,60 | 158,35  | PC3087 | PC3093 |
| PL3314_rekonstrukcija | PEHD DN 225 | 198,60 | 328,23  | PC3084 | PC3087 |
| PL3315_rekonstrukcija | PEHD DN 225 | 198,60 | 153,32  | PC3080 | PC3084 |
| PL3316                | PVC DN 110  | 101,60 | 55,45   | PC3084 | PC3086 |
| PL3317                | PVC DN 110  | 101,60 | 334,01  | PC3086 | PC3088 |
| PL3318                | PVC DN 110  | 101,60 | 77,89   | PC3088 | PC3087 |
| PL3319                | PVC DN 110  | 101,60 | 226,64  | PC3088 | PC3089 |
| PL332                 | PVC DN 160  | 147,60 | 235,19  | PC333  | PC331  |
| PL3320_rekonstrukcija | PEHD DN 225 | 198,60 | 127,89  | PC3090 | PC3093 |
| PL3321                | PVC DN 110  | 101,60 | 397,18  | PC3090 | PC3091 |
| PL3322_rekonstrukcija | PEHD DN 225 | 198,60 | 289,72  | PC3090 | PC3092 |
| PL3323                | PVC DN 110  | 101,60 | 633,99  | PC3092 | PC3094 |
| PL3324_rekonstrukcija | PEHD DN 225 | 198,60 | 2092,82 | PC3092 | PC3095 |
| PL3325_rekonstrukcija | PEHD DN 160 | 141,00 | 656,50  | PC3095 | PC2749 |
| PL3326_rekonstrukcija | PEHD DN 225 | 198,60 | 148,55  | PC3095 | PC3097 |
| PL3327                | PVC DN 110  | 101,60 | 86,29   | PC3097 | PC3096 |
| PL3328_rekonstrukcija | PEHD DN 225 | 198,60 | 70,68   | PC3097 | PC3098 |
| PL3329                | PVC DN 110  | 101,60 | 142,28  | PC3098 | PC3099 |
| PL333                 | PEHD DN 50  | 44,00  | 98,26   | PC333  | PC334  |
| PL3330_rekonstrukcija | PEHD DN 225 | 198,60 | 247,84  | PC3098 | PC3100 |
| PL3331                | PVC DN 110  | 101,60 | 80,28   | PC3100 | PC3101 |
| PL3332                | PVC DN 110  | 101,60 | 136,56  | PC3101 | PC3102 |
| PL3333_rekonstrukcija | PEHD DN 225 | 198,60 | 127,54  | PC3100 | PC3103 |
| PL3334                | PVC DN 110  | 101,60 | 163,59  | PC3103 | PC3104 |
| PL3335                | PVC DN 110  | 101,60 | 102,16  | PC3104 | PC3105 |
| PL3336                | PVC DN 110  | 101,60 | 35,37   | PC3105 | PC3106 |
| PL3337                | PVC DN 110  | 101,60 | 41,98   | PC3105 | PC3107 |
| PL3338_rekonstrukcija | PEHD DN 225 | 198,60 | 199,97  | PC3103 | PC3108 |
| PL3339                | PVC DN 110  | 101,60 | 1123,27 | PC3108 | PC3109 |
| PL334                 | PVC DN 160  | 147,60 | 172,55  | PC335  | PC333  |
| PL3340_rekonstrukcija | PEHD DN 225 | 198,60 | 90,45   | PC3108 | PC3110 |
| PL3341                | PVC DN 110  | 101,60 | 80,35   | PC3110 | PC3111 |
| PL3342_rekonstrukcija | PEHD DN 225 | 198,60 | 606,11  | PC3110 | PC3112 |
| PL3343                | PVC DN 110  | 101,60 | 118,31  | PC3112 | PC3113 |
| PL3344                | PVC DN 110  | 101,60 | 180,76  | PC3114 | PC3113 |
| PL3345                | PVC DN 110  | 101,60 | 279,95  | PC3113 | PC3115 |
| PL3346                | PVC DN 110  | 101,60 | 125,68  | PC3116 | PC3115 |
| PL3347_rekonstrukcija | PEHD DN 225 | 198,60 | 278,65  | PC3112 | PC3116 |
| PL3348_rekonstrukcija | PEHD DN 225 | 198,60 | 38,69   | PC3116 | PC3117 |
| PL3349                | PVC DN 110  | 101,60 | 121,34  | PC3118 | PC3117 |
| PL335                 | PVC DN 110  | 101,60 | 581,66  | PC335  | PC336  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>330/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                |             |        |         |        |        |
|--------------------------------|-------------|--------|---------|--------|--------|
| PL3350 rekonstrukcija          | PEHD DN 225 | 198,60 | 355,66  | PC3117 | PC3119 |
| PL3351 rekonstrukcija          | PEHD DN 225 | 198,60 | 134,15  | PC3120 | PC3119 |
| PL3352 rekonstrukcija          | PEHD DN 225 | 198,60 | 86,16   | PC3120 | PC3121 |
| PL3353                         | PVC DN 110  | 101,60 | 195,31  | PC3122 | PC3121 |
| PL3354 rekonstrukcija          | PEHD DN 225 | 198,60 | 104,57  | PC3121 | PC3123 |
| PL3355 rekonstrukcija          | PEHD DN 225 | 198,60 | 82,13   | PC3123 | PC3124 |
| PL3356                         | PVC DN 110  | 101,60 | 824,52  | PC3124 | PC3125 |
| PL3357 rekonstrukcija          | PEHD DN 225 | 198,60 | 348,43  | PC3124 | PC3126 |
| PL3358                         | PVC DN 110  | 101,60 | 242,68  | PC3126 | PC3127 |
| PL3359 rekonstrukcija          | PEHD DN 225 | 198,60 | 299,47  | PC3126 | PC3128 |
| PL336                          | PVC DN 110  | 101,60 | 163,43  | PC336  | PC337  |
| PL3360                         | PVC DN 160  | 147,60 | 443,40  | PC3129 | PC3128 |
| PL3361                         | PVC DN 110  | 101,60 | 436,20  | PC3129 | PC3126 |
| PL3362                         | PVC DN 160  | 147,60 | 121,05  | PC3129 | PC3130 |
| PL3363                         | PVC DN 110  | 101,60 | 445,54  | PC3130 | PC3123 |
| PL3364                         | PVC DN 160  | 147,60 | 103,55  | PC3131 | PC3130 |
| PL3365                         | PVC DN 160  | 147,60 | 141,08  | PC3132 | PC3131 |
| PL3366                         | PVC DN 160  | 147,60 | 133,85  | PC3133 | PC3132 |
| PL3367                         | PVC DN 160  | 147,60 | 331,08  | PC3133 | PC3120 |
| PL3368                         | PVC DN 110  | 101,60 | 171,18  | PC3134 | PC3133 |
| PL3369                         | PVC DN 110  | 101,60 | 403,85  | PC3119 | PC3134 |
| PL337                          | PEHD DN 63  | 55,40  | 51,56   | PC336  | PC338  |
| PL3370                         | PVC DN 160  | 147,60 | 452,86  | PC3132 | PC3135 |
| PL3371                         | PVC DN 110  | 101,60 | 216,92  | PC3136 | PC3132 |
| PL3372                         | PVC DN 110  | 101,60 | 181,59  | PC3136 | PC3131 |
| PL3373                         | PVC DN 110  | 101,60 | 158,07  | PC3137 | PC3136 |
| PL3374                         | PVC DN 110  | 101,60 | 117,74  | PC3137 | PC3138 |
| PL3375                         | PVC DN 110  | 101,60 | 997,65  | PC3139 | PC3137 |
| PL3376                         | PVC DN 225  | 207,80 | 1050,90 | 29     | PC3128 |
| PL3377                         | PVC DN 110  | 101,60 | 230,75  | PC3141 | PC3140 |
| PL3378                         | PVC DN 110  | 101,60 | 384,24  | PC3141 | PC3142 |
| PL3379                         | PVC DN 110  | 101,60 | 115,77  | PC3142 | PC3144 |
| PL338                          | PEHD DN 110 | 96,80  | 1530,68 | PC336  | PC339A |
| PL3380                         | PVC DN 110  | 101,60 | 115,03  | PC3142 | PC3143 |
| PL3381                         | PVC DN 110  | 101,60 | 220,58  | PC3141 | PC3145 |
| PL3382                         | PVC DN 110  | 101,60 | 124,57  | PC3145 | PC3146 |
| PL3383                         | PVC DN 110  | 101,60 | 425,37  | PC3146 | PC3147 |
| PL3384                         | PEHD DN 110 | 96,80  | 276,65  | PC3148 | PC3147 |
| PL3385                         | PVC DN 110  | 101,60 | 187,36  | PC3149 | PC3148 |
| PL3386                         | PVC DN 110  | 101,60 | 138,14  | PC3146 | PC3149 |
| PL3387                         | PVC DN 110  | 101,60 | 207,17  | PC3149 | PC3150 |
| PL3388                         | PVC DN 110  | 101,60 | 387,69  | PC3151 | PC3145 |
| PL3389_rekonstrukc_Vodoprojekt | PEHD DN 280 | 250,00 | 10,20   | PC3152 | PC3151 |
| PL339                          | PVC DN 160  | 147,60 | 182,73  | PC339  | PC335  |
| PL3390                         | PVC DN 225  | 207,80 | 423,95  | PC3156 | PC2635 |
| PL3391                         | PVC DN 225  | 207,80 | 459,10  | PC3153 | PC3152 |
| PL3392                         | PVC DN 225  | 207,80 | 359,18  | PC3153 | PC3154 |
| PL3393                         | PVC DN 110  | 101,60 | 143,51  | PC3154 | PC3155 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>331/512      |
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|                                  |             |        |        |        |        |
|----------------------------------|-------------|--------|--------|--------|--------|
| PL3394                           | PVC DN 225  | 207,80 | 449,24 | PC3140 | PC3152 |
| PL3395                           | PVC DN 110  | 101,60 | 129,95 | PC3154 | PC3157 |
| PL3396                           | PVC DN 225  | 207,80 | 54,33  | PC3157 | PC3158 |
| PL3397                           | PVC DN 110  | 101,60 | 194,94 | PC3158 | PC3159 |
| PL35_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 20,00  | PC22A  | PC22C  |
| PL36_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 20,00  | PC22A  | PC22D  |
| PL3397A                          | PVC DN 110  | 101,60 | 336,15 | PC3157 | PC3190 |
| PL3398                           | PVC DN 225  | 207,80 | 357,80 | PC3158 | PC3160 |
| PL3399                           | PVC DN 110  | 101,60 | 226,16 | PC3160 | PC3161 |
| PL34                             | PEHD DN 40  | 35,20  | 102,03 | PC33   | PC34   |
| PL340                            | PVC DN 110  | 101,60 | 183,62 | PC339  | PC340  |
| PL3400                           | PVC DN 225  | 207,80 | 20,50  | PC3160 | PC3162 |
| PL3401                           | PVC DN 225  | 207,80 | 237,91 | PC3162 | PC3163 |
| PL3402                           | PVC DN 110  | 101,60 | 152,14 | PC3163 | PC3164 |
| PL3403                           | PVC DN 110  | 101,60 | 309,72 | PC3164 | PC3165 |
| PL3404                           | PVC DN 110  | 101,60 | 102,86 | PC3165 | PC3166 |
| PL3405                           | PVC DN 110  | 101,60 | 82,43  | PC3167 | PC3165 |
| PL3406                           | PVC DN 110  | 101,60 | 136,97 | PC3168 | PC3167 |
| PL3407                           | PVC DN 110  | 101,60 | 100,28 | PC3169 | PC3168 |
| PL3408                           | PVC DN 110  | 101,60 | 84,25  | PC3170 | PC3169 |
| PL3409                           | PVC DN 110  | 101,60 | 134,55 | PC3164 | PC3170 |
| PL341                            | PVC DN 110  | 101,60 | 19,86  | PC340  | PC341  |
| PL3410                           | PVC DN 110  | 101,60 | 73,36  | PC3170 | PC3171 |
| PL3411                           | PVC DN 110  | 101,60 | 191,32 | PC3179 | PC3167 |
| PL3412                           | PVC DN 110  | 101,60 | 138,90 | PC3173 | PC3179 |
| PL3413                           | PVC DN 110  | 101,60 | 61,91  | PC3172 | PC3173 |
| PL3414                           | PVC DN 110  | 101,60 | 16,46  | PC3171 | PC3172 |
| PL3415                           | PVC DN 110  | 101,60 | 319,22 | PC3162 | PC3171 |
| PL3416                           | PVC DN 110  | 101,60 | 96,52  | PC3173 | PC3174 |
| PL3417                           | PVC DN 110  | 101,60 | 47,55  | PC3174 | PC3177 |
| PL3418                           | PVC DN 110  | 101,60 | 15,92  | PC3175 | PC3174 |
| PL3419                           | PVC DN 110  | 101,60 | 60,57  | PC3175 | PC3178 |
| PL342                            | PEHD DN 40  | 35,20  | 72,55  | PC340  | PC342  |
| PL3420                           | PVC DN 110  | 101,60 | 33,51  | PC3176 | PC3175 |
| PL3421                           | PVC DN 110  | 101,60 | 59,98  | PC3172 | PC3176 |
| PL3422                           | PVC DN 110  | 101,60 | 112,13 | PC3176 | PC3182 |
| PL3423                           | PVC DN 110  | 101,60 | 137,01 | PC3182 | PC3181 |
| PL3424                           | PVC DN 110  | 101,60 | 102,46 | PC3181 | PC3180 |
| PL3425                           | PVC DN 110  | 101,60 | 252,36 | PC3180 | PC3179 |
| PL3426                           | PVC DN 110  | 101,60 | 95,45  | PC3180 | PC3185 |
| PL3427                           | PVC DN 110  | 101,60 | 45,15  | PC3185 | PC3186 |
| PL3428                           | PVC DN 110  | 101,60 | 40,91  | PC3187 | PC3185 |
| PL3429                           | PVC DN 110  | 101,60 | 67,93  | PC3187 | PC3188 |
| PL343                            | PVC DN 160  | 147,60 | 149,95 | PC343  | PC339  |
| PL3430                           | PVC DN 110  | 101,60 | 98,74  | PC3188 | PC3181 |
| PL3431                           | PVC DN 110  | 101,60 | 85,22  | PC3189 | PC3188 |
| PL3432                           | PVC DN 110  | 101,60 | 150,23 | PC3189 | PC3183 |

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|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
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|        |            |        |        |        |        |
|--------|------------|--------|--------|--------|--------|
| PL3433 | PVC DN 110 | 101,60 | 10,65  | PC3182 | PC3183 |
| PL3434 | PVC DN 110 | 101,60 | 44,77  | PC3183 | PC3184 |
| PL3435 | PVC DN 110 | 101,60 | 173,02 | PC3191 | PC3187 |
| PL3436 | PVC DN 110 | 101,60 | 82,57  | PC3189 | PC3190 |
| PL3437 | PVC DN 110 | 101,60 | 57,14  | PC3190 | PC3191 |
| PL3438 | PVC DN 110 | 101,60 | 183,64 | PC3191 | PC3192 |
| PL3439 | PVC DN 110 | 101,60 | 218,68 | PC3192 | PC3193 |
| PL344  | PVC DN 160 | 147,60 | 33,43  | PC344  | PC343  |
| PL3440 | PVC DN 225 | 207,80 | 661,65 | PC3163 | PC3194 |
| PL3441 | PVC DN 225 | 207,80 | 861,98 | PC3194 | PC3195 |
| PL3442 | PVC DN 110 | 101,60 | 180,17 | PC3195 | PC3196 |
| PL3443 | PVC DN 110 | 101,60 | 117,77 | PC3197 | PC3196 |
| PL3444 | PVC DN 110 | 101,60 | 310,06 | PC3197 | PC3198 |
| PL3445 | PVC DN 110 | 101,60 | 425,65 | PC3197 | PC3199 |
| PL3446 | PVC DN 110 | 101,60 | 274,09 | PC3199 | PC3200 |
| PL3447 | PVC DN 110 | 101,60 | 430,83 | PC3196 | PC3200 |
| PL3448 | PVC DN 110 | 101,60 | 94,14  | PC3200 | PC3201 |
| PL3449 | PVC DN 110 | 101,60 | 230,80 | PC3201 | PC3202 |
| PL345  | PVC DN 160 | 147,60 | 70,06  | PC345  | PC344  |
| PL3450 | PVC DN 110 | 101,60 | 151,52 | PC3202 | PC3207 |
| PL3451 | PVC DN 110 | 101,60 | 49,45  | PC3207 | PC3208 |
| PL3452 | PVC DN 110 | 101,60 | 147,85 | PC3203 | PC3207 |
| PL3453 | PVC DN 110 | 101,60 | 237,97 | PC3201 | PC3203 |
| PL3454 | PVC DN 110 | 101,60 | 63,54  | PC3204 | PC3203 |
| PL3455 | PVC DN 110 | 101,60 | 19,76  | PC3205 | PC3204 |
| PL3456 | PVC DN 110 | 101,60 | 66,85  | PC3205 | PC3206 |
| PL3457 | PVC DN 110 | 101,60 | 167,30 | PC3204 | PC3208 |
| PL3458 | PVC DN 110 | 101,60 | 33,92  | PC3208 | PC3209 |
| PL3459 | PVC DN 110 | 101,60 | 38,17  | PC3209 | PC3210 |
| PL345A | PVC DN 110 | 101,60 | 213,82 | PC344  | PC344A |
| PL346  | PVC DN 160 | 147,60 | 177,84 | PC346  | PC345  |
| PL3460 | PVC DN 110 | 101,60 | 158,16 | PC3210 | PC3211 |
| PL3461 | PVC DN 110 | 101,60 | 88,79  | PC3211 | PC3212 |
| PL3462 | PVC DN 110 | 101,60 | 110,57 | PC3211 | PC3213 |
| PL3463 | PVC DN 110 | 101,60 | 87,57  | PC3213 | PC3214 |
| PL3464 | PVC DN 110 | 101,60 | 118,71 | PC3213 | PC3215 |
| PL3465 | PVC DN 110 | 101,60 | 197,81 | PC3210 | PC3215 |
| PL3466 | PVC DN 110 | 101,60 | 153,81 | PC3215 | PC3216 |
| PL3467 | PVC DN 110 | 101,60 | 440,29 | PC3216 | PC3217 |
| PL3468 | PVC DN 110 | 101,60 | 178,30 | PC3219 | PC3205 |
| PL3469 | PVC DN 110 | 101,60 | 295,52 | PC3219 | PC3220 |
| PL347  | PVC DN 110 | 101,60 | 287,83 | PC343  | PC347  |
| PL3470 | PVC DN 110 | 101,60 | 79,53  | PC3220 | PC3221 |
| PL3471 | PVC DN 110 | 101,60 | 210,62 | PC3221 | PC3209 |
| PL3472 | PVC DN 110 | 101,60 | 148,86 | PC3221 | PC3222 |
| PL3473 | PVC DN 110 | 101,60 | 242,66 | PC3222 | PC3223 |
| PL3474 | PVC DN 110 | 101,60 | 181,86 | PC3223 | PC3224 |
| PL3475 | PVC DN 110 | 101,60 | 168,08 | PC3223 | PC3225 |
| PL3476 | PVC DN 110 | 101,60 | 185,36 | PC3218 | PC3219 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>333/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                        |             |        |         |        |        |
|------------------------|-------------|--------|---------|--------|--------|
| PL3477                 | PVC DN 225  | 207,80 | 211,08  | PC3195 | PC3218 |
| PL3478                 | PVC DN 225  | 207,80 | 282,34  | PC3218 | PC3227 |
| PL3479                 | PVC DN 110  | 101,60 | 118,97  | PC3227 | PC3226 |
| PL348                  | PVC DN 110  | 101,60 | 119,17  | PC347  | PC348  |
| PL3480                 | PVC DN 110  | 101,60 | 185,63  | PC3226 | PC3220 |
| PL3481                 | PVC DN 110  | 101,60 | 256,47  | PC3226 | PC3228 |
| PL3482                 | PVC DN 110  | 101,60 | 199,81  | PC3228 | PC3222 |
| PL3483                 | PVC DN 110  | 101,60 | 182,73  | PC3229 | PC3228 |
| PL3484                 | PVC DN 225  | 207,80 | 393,07  | PC3227 | PC3229 |
| PL3485                 | PVC DN 225  | 207,80 | 984,05  | PC3229 | PC3230 |
| PL3486                 | PVC DN 110  | 101,60 | 238,29  | PC3230 | PC3231 |
| PL3487                 | PVC DN 225  | 207,80 | 218,80  | PC3230 | PC3232 |
| PL3488                 | PVC DN 110  | 101,60 | 184,15  | PC3232 | PC3233 |
| PL3489                 | PVC DN 225  | 207,80 | 112,02  | PC3232 | PC3236 |
| PL349                  | PVC DN 110  | 101,60 | 95,06   | PC349  | PC347  |
| PL3490                 | PVC DN 110  | 101,60 | 114,48  | PC3234 | PC3235 |
| PL3491_rekonstrukcija  | PEHD DN 160 | 141,00 | 1613,04 | PC3238 | PC3237 |
| PL3491A_rekonstrukcija | PEHD DN 160 | 141,00 | 237,80  | PC3237 | PC3097 |
| PL3492                 | PVC DN 110  | 101,60 | 510,79  | PC3239 | PC3238 |
| PL3493                 | PVC DN 110  | 101,60 | 202,56  | PC3240 | PC3239 |
| PL3494                 | PVC DN 110  | 101,60 | 372,19  | PC3240 | PC3241 |
| PL3495                 | PVC DN 110  | 101,60 | 288,50  | PC3241 | PC3242 |
| PL3496                 | PVC DN 110  | 101,60 | 175,97  | PC3244 | PC3240 |
| PL3497_rekonstrukcija  | PEHD DN 160 | 141,00 | 155,04  | PC3244 | PC3242 |
| PL3498                 | PVC DN 110  | 101,60 | 88,55   | PC3242 | PC3243 |
| PL3499_rekonstrukcija  | PEHD DN 160 | 141,00 | 452,45  | PC3242 | PC3238 |
| PL350                  | PVC DN 110  | 101,60 | 360,30  | PC345  | PC349  |
| PL3500_rekonstrukcija  | PEHD DN 160 | 141,00 | 133,90  | PC3245 | PC3244 |
| PL3501                 | PVC DN 110  | 101,60 | 17,13   | PC3246 | PC3245 |
| PL3502                 | PVC DN 110  | 101,60 | 187,81  | PC3246 | PC3247 |
| PL3503                 | PEHD DN 63  | 55,40  | 101,57  | PC3247 | PC3248 |
| PL3504                 | PVC DN 110  | 101,60 | 278,49  | PC3247 | PC3249 |
| PL3505_rekonstrukcija  | PEHD DN 160 | 141,00 | 46,99   | PC3250 | PC3245 |
| PL3506_rekonstrukcija  | PEHD DN 160 | 141,00 | 52,23   | PC3251 | PC3250 |
| PL3507                 | PVC DN 110  | 101,60 | 52,13   | PC3255 | PC3246 |
| PL3508                 | PVC DN 110  | 101,60 | 52,53   | PC3251 | PC3255 |
| PL3509                 | PVC DN 110  | 101,60 | 35,83   | PC3251 | PC3252 |
| PL351                  | PVC DN 110  | 101,60 | 296,14  | PC349  | PC350  |
| PL3510                 | PVC DN 110  | 101,60 | 75,50   | PC3252 | PC3254 |
| PL3511                 | PEHD DN 63  | 55,40  | 117,85  | PC3252 | PC3253 |
| PL3512_rekonstrukcija  | PEHD DN 160 | 141,00 | 335,76  | PC3256 | PC3251 |
| PL3512A                | PVC DN 110  | 101,60 | 335,86  | PC3256 | PC3251 |
| PL3513_rekonstrukcija  | PEHD DN 160 | 141,00 | 755,70  | PC3256 | PC3258 |
| PL3514                 | PVC DN 110  | 101,60 | 1,00    | PC3259 | PC3258 |
| PL3515                 | PVC DN 110  | 101,60 | 267,65  | PC3257 | PC3259 |
| PL3516                 | PVC DN 110  | 101,60 | 621,27  | PC3258 | PC3260 |
| PL3517_rekonstrukcija  | PEHD DN 160 | 141,00 | 328,03  | PC3261 | PC3258 |
| PL3517A                | PVC DN 110  | 101,60 | 327,86  | PC3261 | PC3259 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:   | Stranica:<br>334/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                        |             |        |        |        |        |
|------------------------|-------------|--------|--------|--------|--------|
| PL3518_rekonstrukcija  | PEHD DN 160 | 141,00 | 148,03 | PC3262 | PC3261 |
| PL3518A                | PVC DN 110  | 101,60 | 147,23 | PC3262 | PC3261 |
| PL3519                 | PVC DN 110  | 101,60 | 523,82 | PC3263 | PC3262 |
| PL3519A_rekonstrukcija | PEHD DN 160 | 141,00 | 523,12 | PC3263 | PC3262 |
| PL352                  | PVC DN 160  | 147,60 | 468,71 | PC351  | PC346  |
| PL3520                 | PVC DN 110  | 101,60 | 508,81 | PC3264 | PC3261 |
| PL3521                 | PVC DN 110  | 101,60 | 214,61 | PC3263 | PC3264 |
| PL3522                 | PVC DN 110  | 101,60 | 80,35  | PC3264 | PC3265 |
| PL3523                 | PVC DN 110  | 101,60 | 125,27 | PC3265 | PC3266 |
| PL353                  | PVC DN 160  | 147,60 | 110,34 | PC351  | PC352  |
| PL3534_rekonstrukcija  | PEHD DN 160 | 141,00 | 234,20 | PC3277 | PC3263 |
| PL3534A                | PVC DN 110  | 101,60 | 234,40 | PC3278 | PC3263 |
| PL3535                 | PVC DN 110  | 101,60 | 1,27   | PC3278 | PC3277 |
| PL3535A                | PVC DN 110  | 101,60 | 17,99  | PC3279 | PC3278 |
| PL3536                 | PVC DN 110  | 101,60 | 355,51 | PC3276 | PC3264 |
| PL3537                 | PVC DN 110  | 101,60 | 99,99  | PC3265 | PC3267 |
| PL3538                 | PVC DN 110  | 101,60 | 78,67  | PC3267 | PC3268 |
| PL3539                 | PVC DN 110  | 101,60 | 72,61  | PC3273 | PC3268 |
| PL354                  | PVC DN 160  | 147,60 | 84,07  | PC352  | PC353  |
| PL3540                 | PVC DN 110  | 101,60 | 109,97 | PC3273 | PC3267 |
| PL3541                 | PVC DN 110  | 101,60 | 221,27 | PC3268 | PC3269 |
| PL3542                 | PVC DN 110  | 101,60 | 193,51 | PC3269 | PC3270 |
| PL3543                 | PVC DN 110  | 101,60 | 217,53 | PC3271 | PC3270 |
| PL3544                 | PVC DN 110  | 101,60 | 102,87 | PC3269 | PC3271 |
| PL3545                 | PVC DN 110  | 101,60 | 232,88 | PC3272 | PC3271 |
| PL3546                 | PVC DN 110  | 101,60 | 174,39 | PC3272 | PC3273 |
| PL3547                 | PVC DN 110  | 101,60 | 271,34 | PC3274 | PC3272 |
| PL3548                 | PVC DN 110  | 101,60 | 182,35 | PC3275 | PC3274 |
| PL3549                 | PVC DN 110  | 101,60 | 15,90  | PC3276 | PC3275 |
| PL355                  | PVC DN 110  | 101,60 | 197,42 | PC353  | PC354  |
| PL3550                 | PVC DN 110  | 101,60 | 168,36 | PC3277 | PC3276 |
| PL3551_rekonstrukcija  | PEHD DN 160 | 141,00 | 19,98  | PC3279 | PC3277 |
| PL3552                 | PVC DN 110  | 101,60 | 237,05 | PC3279 | PC3280 |
| PL3553                 | PVC DN 110  | 101,60 | 132,01 | PC3274 | PC3281 |
| PL3554                 | PVC DN 110  | 101,60 | 136,43 | PC3281 | PC3282 |
| PL3555                 | PVC DN 110  | 101,60 | 130,05 | PC3281 | PC3283 |
| PL3556                 | PEHD DN 63  | 55,40  | 16,32  | PC3283 | PC3286 |
| PL3557                 | PEHD DN 63  | 55,40  | 40,40  | PC3286 | PC3284 |
| PL3558                 | PEHD DN 63  | 55,40  | 29,88  | PC3286 | PC3285 |
| PL3559                 | PVC DN 110  | 101,60 | 238,00 | PC3275 | PC3283 |
| PL356                  | PVC DN 110  | 101,60 | 380,46 | PC354  | PC356  |
| PL3560_rekonstrukcija  | PEHD DN 160 | 141,00 | 339,10 | PC3287 | PC3279 |
| PL3561                 | PVC DN 110  | 101,60 | 89,60  | PC3288 | PC3287 |
| PL3562                 | PVC DN 110  | 101,60 | 180,35 | PC3289 | PC3288 |
| PL3563                 | PVC DN 110  | 101,60 | 279,14 | PC3291 | PC3289 |
| PL3564                 | PVC DN 110  | 101,60 | 336,70 | PC3290 | PC3288 |
| PL3565_rekonstrukcija  | PEHD DN 160 | 160,00 | 312,78 | PC3290 | PC3287 |
| PL3566_rekonstrukcija  | PEHD DN 160 | 141,00 | 41,45  | PC3291 | PC3290 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>335/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL3567                | PVC DN 110  | 101,60 | 88,51   | PC3291 | PC3292 |
| PL3568                | PVC DN 110  | 101,60 | 386,01  | PC3290 | PC3293 |
| PL3569 rekonstrukcija | PEHD DN 160 | 141,00 | 1094,74 | PC4098 | PC3291 |
| PL3569A               | PVC DN 315  | 290,80 | 511,91  | PC3294 | PC4098 |
| PL357                 | PVC DN 110  | 101,60 | 244,84  | PC354  | PC355  |
| PL3570                | PVC DN 225  | 207,80 | 277,33  | PC3294 | PC3296 |
| PL3571                | PEHD DN 225 | 198,20 | 474,93  | PC3297 | PC3296 |
| PL3572                | PVC DN 315  | 290,80 | 387,58  | PC3298 | PC3294 |
| PL3572A               | PVC DN 110  | 101,60 | 382,46  | PC3295 | PC3298 |
| PL3573                | PVC DN 110  | 101,60 | 381,71  | PC3298 | PC3299 |
| PL3574                | PVC DN 110  | 101,60 | 206,56  | PC3299 | PC3300 |
| PL3575                | PVC DN 110  | 101,60 | 310,97  | PC3300 | PC3301 |
| PL3576                | PVC DN 315  | 290,80 | 25,01   | PC3302 | PC3298 |
| PL3577                | PVC DN 315  | 290,80 | 12,09   | PC3303 | PC3302 |
| PL3578                | PVC DN 315  | 290,80 | 261,31  | PC3304 | PC3303 |
| PL3578A               | PVC DN 110  | 101,60 | 261,77  | PC3304 | PC3303 |
| PL3579                | PVC DN 110  | 101,60 | 64,80   | PC3304 | PC3305 |
| PL358                 | PVC DN 160  | 147,60 | 406,22  | PC353  | PC357  |
| PL3580                | PEHD DN 50  | 44,00  | 13,04   | PC3305 | PC3306 |
| PL3581                | PVC DN 110  | 101,60 | 43,98   | PC3305 | PC3307 |
| PL3582                | PVC DN 110  | 101,60 | 104,87  | PC3307 | PC3311 |
| PL3583                | PEHD DN 63  | 55,40  | 8,86    | PC3307 | PC3308 |
| PL3584                | PEHD DN 50  | 44,00  | 29,06   | PC3308 | PC3309 |
| PL3585                | PEHD DN 63  | 55,40  | 83,85   | PC3308 | PC3310 |
| PL3586                | PVC DN 225  | 207,80 | 603,95  | PC3304 | PC3312 |
| PL3587                | PVC DN 315  | 290,80 | 27,19   | PC3313 | PC3304 |
| PL3588                | PVC DN 110  | 101,60 | 180,01  | PC3314 | PC3313 |
| PL3589                | PVC DN 110  | 101,60 | 222,14  | PC3315 | PC3314 |
| PL359                 | PVC DN 110  | 101,60 | 429,28  | PC357  | PC358  |
| PL3590                | PVC DN 110  | 101,60 | 271,59  | PC3302 | PC3315 |
| PL3591                | PVC DN 110  | 101,60 | 56,60   | PC3315 | PC3316 |
| PL3592                | PVC DN 110  | 101,60 | 335,00  | PC3314 | PC3317 |
| PL3593                | PEHD DN 110 | 96,80  | 168,66  | PC3317 | PC3318 |
| PL3594                | PVC DN 315  | 290,80 | 170,36  | PC3319 | PC3313 |
| PL3595                | PVC DN 110  | 101,60 | 196,07  | PC3319 | PC3320 |
| PL3596                | PVC DN 315  | 290,80 | 176,62  | PC3321 | PC3319 |
| PL3597                | PVC DN 315  | 290,80 | 408,63  | PC3322 | PC3321 |
| PL3598                | PVC DN 315  | 290,80 | 48,37   | PC3323 | PC3322 |
| PL3599                | PVC DN 110  | 101,60 | 107,82  | PC3323 | PC3324 |
| PL36                  | PEHD DN 50  | 44,00  | 184,47  | PC35   | PC36   |
| PL360                 | PVC DN 160  | 147,60 | 158,37  | PC357  | PC359  |
| PL3600                | PVC DN 315  | 290,80 | 155,76  | PC3325 | PC3323 |
| PL3600A               | PVC DN 110  | 101,60 | 154,95  | PC3323 | PC3325 |
| PL3601                | PVC DN 110  | 101,60 | 39,37   | PC3325 | PC3326 |
| PL3602                | PVC DN 110  | 101,60 | 3,37    | PC3327 | PC3319 |
| PL3604                | PVC DN 110  | 101,60 | 82,87   | PC3328 | PC3327 |
| PL3605                | PVC DN 110  | 101,60 | 179,74  | PC3327 | PC3329 |
| PL3606                | PVC DN 110  | 101,60 | 49,44   | PC3331 | PC3323 |
| PL3607                | PVC DN 110  | 101,60 | 236,38  | PC3329 | PC3330 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
336/512Nadnevak:  
17.11. 2009.

|                       |               |        |         |        |        |
|-----------------------|---------------|--------|---------|--------|--------|
| PL3608                | PVC DN 110    | 101,60 | 458,36  | PC3330 | PC3331 |
| PL3609                | PVC DN 110    | 101,60 | 70,64   | PC3332 | PC3330 |
| PL361                 | PVC DN 110    | 101,60 | 389,39  | PC359  | PC360  |
| PL3610                | PVC DN 110    | 101,60 | 247,56  | PC3333 | PC3332 |
| PL3611                | PVC DN 110    | 101,60 | 73,89   | PC3334 | PC3333 |
| PL3612                | PVC DN 110    | 101,60 | 160,94  | PC3333 | PC3335 |
| PL3613                | PVC DN 110    | 101,60 | 208,48  | PC3335 | PC3336 |
| PL3614                | PVC DN 110    | 101,60 | 135,20  | PC3335 | PC3337 |
| PL3615                | PVC DN 110    | 101,60 | 214,86  | PC3338 | PC3332 |
| PL3616                | PVC DN 110    | 101,60 | 23,42   | PC3337 | PC3338 |
| PL3617                | PVC DN 110    | 101,60 | 868,86  | PC3338 | PC3339 |
| PL3618                | PEHD DN 110   | 96,80  | 247,12  | PC3345 | PC3339 |
| PL3619                | PVC DN 110    | 101,60 | 117,24  | PC3339 | PC3341 |
| PL362                 | PVC DN 160    | 147,60 | 126,88  | PC359  | PC360  |
| PL3620                | PEHD DN 110   | 96,80  | 263,74  | PC3341 | PC3342 |
| PL3621_rekonstrukcija | PEHD DN 160   | 141,00 | 189,55  | PC3337 | PC3343 |
| PL3622                | PVC DN 110    | 101,60 | 381,75  | PC3343 | PC3344 |
| PL3623                | DUCTIL DN 300 | 300,00 | 917,97  | PC3345 | PC3325 |
| PL3624_rekonstrukcija | DUCTIL DN 350 | 350,00 | 1602,59 | PC3346 | PC3345 |
| PL3625                | PV DN C280    | 258,60 | 650,71  | PC3346 | PC3347 |
| PL3626                | PV DN C280    | 258,60 | 343,83  | PC3052 | PC3347 |
| PL3627                | PV DN C280    | 258,60 | 70,72   | PC3346 | PC3349 |
| PL3628_rekonstrukcija | DUCTIL DN 500 | 500,00 | 3,13    | PC3348 | PC3346 |
| PL3629                | PVC DN 500    | 460,00 | 65,61   | PC350C | PC3348 |
| PL363                 | PVC DN 160    | 147,60 | 122,96  | PC360  | PC361  |
| PL3630_rekonstrukcija | DUCTIL DN 500 | 500,00 | 425,65  | PC3348 | PC3351 |
| PL3631_rekonstrukcija | DUCTIL DN 500 | 500,00 | 497,43  | PC3352 | PC3351 |
| PL3631A               | PVC DN 110    | 101,60 | 497,88  | PC3351 | PC3352 |
| PL3632                | PVC DN 315    | 290,80 | 431,80  | PC3353 | PC3352 |
| PL3632A               | PVC DN 110    | 101,60 | 431,89  | PC3353 | PC3352 |
| PL3633                | PVC DN 110    | 101,60 | 139,14  | PC3353 | PC3354 |
| PL3634                | PVC DN 315    | 290,80 | 120,08  | PC3008 | PC3353 |
| PL3634A               | PVC DN 110    | 101,60 | 120,61  | PC3008 | PC3353 |
| PL3635_rekonstrukcija | DUCTIL DN 500 | 500,00 | 12,91   | PC3355 | PC3352 |
| PL3636                | PVC DN 110    | 101,60 | 238,85  | PC3355 | PC3356 |
| PL3637                | PVC DN 110    | 101,60 | 11,12   | PC3356 | PC3357 |
| PL3638                | PVC DN 110    | 101,60 | 156,29  | PC3356 | PC3358 |
| PL3639                | PVC DN 160    | 147,60 | 26,58   | PC3358 | PC3359 |
| PL364                 | PVC DN 160    | 147,60 | 406,07  | PC362  | PC346  |
| PL3640                | PVC DN 110    | 101,60 | 20,00   | PC3359 | PC3360 |
| PL3641                | PVC DN 160    | 147,60 | 167,57  | PC3359 | PC3361 |
| PL3642                | PVC DN 160    | 147,60 | 209,58  | PC3361 | PC3362 |
| PL3643                | PVC DN 160    | 147,60 | 198,03  | PC3361 | PC3363 |
| PL3644                | DUCTIL DN 400 | 402,80 | 3,77    | PC3364 | PC3365 |
| PL3646                | DUCTIL DN 400 | 402,80 | 1249,02 | PC3365 | PC3366 |
| PL3647                | DUCTIL DN 400 | 402,80 | 430,48  | PC3366 | PC3367 |
| PL3647A               | PVC DN 110    | 101,60 | 732,77  | PC3366 | PC3369 |
| PL3648                | PVC DN 110    | 101,60 | 437,54  | PC3368 | PC3367 |
| PL3649                | DUCTIL DN 400 | 402,80 | 302,24  | PC3367 | PC3369 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. |                   | Nadnevak |   |   |   |   |   |



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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>337/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |               |        |         |        |        |
|-----------------------|---------------|--------|---------|--------|--------|
| PL365                 | PEHD DN 110   | 96,80  | 75,86   | PC363  | PC362  |
| PL3650                | PVC DN 160    | 147,60 | 176,40  | PC3369 | PC3370 |
| PL3651                | PVC DN 110    | 101,60 | 71,50   | PC3370 | PC3371 |
| PL3652                | PVC DN 110    | 101,60 | 381,50  | PC3372 | PC3373 |
| PL3653                | PVC DN 160    | 147,60 | 260,36  | PC3372 | PC3374 |
| PL3654                | PVC DN 110    | 101,60 | 60,74   | PC3375 | PC3374 |
| PL3655                | PVC DN 110    | 101,60 | 27,31   | PC3375 | PC3376 |
| PL237A_rekonstrukcija | DUCTIL DN 250 | 250,00 | 130,00  | PC136  | PC136D |
| PL3656                | PVC DN 110    | 101,60 | 44,20   | PC3377 | PC3375 |
| PL3657                | PVC DN 160    | 147,60 | 53,75   | PC3374 | PC3378 |
| PL3658                | PVC DN 160    | 147,60 | 606,07  | PC3378 | PC3379 |
| PL3659                | PVC DN 110    | 101,60 | 62,07   | PC3379 | PC3380 |
| PL366                 | PEHD DN 110   | 96,80  | 9,44    | PC364  | PC363  |
| PL3660                | PVC DN 160    | 147,60 | 201,47  | PC3379 | PC3366 |
| PL3661                | PVC DN 110    | 101,60 | 285,45  | PC3378 | PC3381 |
| PL3662                | PVC DN 110    | 101,60 | 172,24  | PC3381 | PC3382 |
| PL3663                | PVC DN 110    | 101,60 | 204,16  | PC3381 | PC3383 |
| PL3664                | PVC DN 110    | 101,60 | 161,22  | PC3383 | PC3385 |
| PL3665                | PVC DN 110    | 101,60 | 109,51  | PC3383 | PC3384 |
| PL3666                | PVC DN 160    | 147,60 | 88,37   | PC3370 | PC3372 |
| PL3667                | PVC DN 110    | 101,60 | 108,07  | PC3386 | PC3387 |
| PL3668                | PVC DN 110    | 101,60 | 48,94   | PC3386 | PC3369 |
| PL3669                | PVC DN 110    | 101,60 | 170,84  | PC3387 | PC3389 |
| PL367                 | PEHD DN 110   | 96,80  | 9,20    | PC364  | PC363  |
| PL3670                | PVC DN 110    | 101,60 | 101,31  | PC3387 | PC3388 |
| PL3671                | DUCTIL DN 400 | 402,80 | 2215,13 | PC3369 | PC3390 |
| PL3672                | DUCTIL DN 400 | 402,80 | 323,26  | PC3390 | PC3391 |
| PL3673_rekonstrukcija | PEHD DN 160   | 141,00 | 445,51  | PC3391 | PC3392 |
| PL3674                | PVC DN 110    | 101,60 | 239,08  | PC3392 | PC3393 |
| PL3675_rekonstrukcija | PEHD DN 160   | 141,00 | 229,96  | PC3394 | PC3392 |
| PL3676_rekonstrukcija | PEHD DN 160   | 141,00 | 184,37  | PC3395 | PC3394 |
| PL3677_rekonstrukcija | PEHD DN 160   | 141,00 | 8,28    | PC3395 | PC3396 |
| PL3678_rekonstrukcija | PEHD DN 160   | 141,00 | 87,61   | PC3396 | PC3397 |
| PL3679                | PVC DN 160    | 147,60 | 177,78  | PC3398 | PC3397 |
| PL368                 | PEHD DN 110   | 96,80  | 16,30   | PC363  | PC365  |
| PL3680                | PVC DN 160    | 147,60 | 308,10  | PC3399 | PC3398 |
| PL3681                | PVC DN 160    | 147,60 | 312,43  | PC3390 | PC3402 |
| PL3682                | PVC DN 110    | 101,60 | 267,13  | PC3402 | PC3403 |
| PL3683                | PVC DN 160    | 147,60 | 136,57  | PC3402 | PC3400 |
| PL3684                | PVC DN 110    | 101,60 | 53,51   | PC3400 | PC3401 |
| PL3685                | PVC DN 160    | 147,60 | 76,61   | PC3400 | PC3396 |
| PL3686                | PVC DN 110    | 101,60 | 368,62  | PC3394 | PC3404 |
| PL3687                | PVC DN 110    | 101,60 | 93,55   | PC3394 | PC3405 |
| PL3689                | PVC DN 110    | 101,60 | 130,56  | PC3407 | PC3408 |
| PL369                 | PEHD DN 110   | 96,80  | 438,72  | PC363  | PC351  |
| PL3690                | PVC DN 110    | 101,60 | 94,23   | PC3409 | PC3407 |
| PL3691                | PEHD DN 63    | 55,40  | 54,90   | PC3409 | PC3410 |
| PL3692                | PVC DN 110    | 101,60 | 395,80  | PC3406 | PC3409 |
| PL3693                | PVC DN 110    | 101,60 | 131,97  | PC3405 | PC3406 |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>338/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |        |        |
|-----------------------|-------------|--------|---------|--------|--------|
| PL3694                | PVC DN 110  | 101,60 | 100,51  | PC3395 | PC3406 |
| PL3695_rekonstrukcija | PEHD DN 160 | 141,00 | 161,24  | PC3397 | PC3411 |
| PL3696_rekonstrukcija | PEHD DN 160 | 141,00 | 301,14  | PC3412 | PC3413 |
| PL3697                | PVC DN 110  | 101,60 | 76,02   | PC3413 | PC3414 |
| PL3698_rekonstrukcija | PEHD DN 160 | 141,00 | 10,53   | PC3413 | PC3415 |
| PL3699                | PEHD DN 110 | 96,80  | 452,52  | PC3416 | PC3415 |
| PL37                  | PEHD DN 75  | 66,00  | 313,91  | PC35   | PC37   |
| PL370                 | PEHD DN 110 | 96,80  | 65,68   | PC364  | PC366  |
| PL3700_rekonstrukcija | PEHD DN 160 | 141,00 | 124,44  | PC3415 | PC3417 |
| PL3701_rekonstrukcija | PEHD DN 160 | 141,00 | 154,21  | PC3417 | PC3418 |
| PL3702                | PVC DN 110  | 101,60 | 169,39  | PC3418 | PC3419 |
| PL3703_rekonstrukcija | PEHD DN 160 | 141,00 | 103,96  | PC3418 | PC3420 |
| PL3704                | PVC DN 110  | 101,60 | 98,01   | PC3420 | PC3421 |
| PL3705                | PVC DN 110  | 101,60 | 36,22   | PC3421 | PC3422 |
| PL3706                | PVC DN 110  | 101,60 | 30,06   | PC3422 | PC3423 |
| PL3707                | PEHD DN 63  | 55,40  | 40,53   | PC3422 | PC3424 |
| PL3708                | PVC DN 110  | 101,60 | 144,63  | PC3425 | PC3421 |
| PL3709                | PVC DN 110  | 101,60 | 267,53  | PC3417 | PC3425 |
| PL371                 | PEHD DN 110 | 96,80  | 4,29    | PC367  | PC366  |
| PL3710                | PVC DN 110  | 101,60 | 347,21  | PC3425 | PC3426 |
| PL3711_rekonstrukcija | PEHD DN 160 | 141,00 | 1032,30 | PC3427 | PC3420 |
| PL3712_rekonstrukcija | PEHD DN 160 | 141,00 | 928,42  | PC3428 | PC3427 |
| PL3713_rekonstrukcija | PEHD DN 160 | 141,00 | 209,83  | PC3343 | PC3428 |
| PL3714                | PVC DN 160  | 147,60 | 1131,44 | PC3429 | PC3390 |
| PL3715                | PVC DN 110  | 101,60 | 284,96  | PC3430 | PC3429 |
| PL3716                | PVC DN 160  | 147,60 | 190,24  | PC3431 | PC3429 |
| PL3717                | PVC DN 110  | 101,60 | 358,31  | PC3431 | PC3432 |
| PL3718                | PVC DN 110  | 101,60 | 56,62   | PC3432 | PC3433 |
| PL3719                | PVC DN 110  | 101,60 | 175,83  | PC3434 | PC3433 |
| PL372                 | PEHD DN 110 | 96,80  | 336,87  | PC366  | PC368  |
| PL3720                | PVC DN 110  | 101,60 | 83,61   | PC3435 | PC3434 |
| PL3721                | PVC DN 110  | 101,60 | 52,75   | PC3436 | PC3435 |
| PL3722                | PVC DN 110  | 101,60 | 44,03   | PC3437 | PC3435 |
| PL3723                | PVC DN 110  | 101,60 | 141,66  | PC3438 | PC3437 |
| PL3724                | PVC DN 110  | 101,60 | 310,66  | PC3433 | PC3438 |
| PL3725                | PVC DN 110  | 101,60 | 63,56   | PC3438 | PC3439 |
| PL3726                | PVC DN 110  | 101,60 | 397,24  | PC3440 | PC3437 |
| PL3727                | PVC DN 160  | 147,60 | 446,63  | PC3440 | PC3431 |
| PL3728                | PVC DN 160  | 147,60 | 286,07  | PC3441 | PC3440 |
| PL373                 | PVC DN 160  | 147,60 | 28,53   | PC373  | PC364  |
| PL374                 | PEHD DN 160 | 141,00 | 298,90  | PC374  | PC373  |
| PL374A                | PEHD DN 160 | 141,00 | 992,26  | GC8    | PC374  |
| PL374B                | PEHD DN 160 | 141,00 | 386,00  | GC25   | GC8    |
| PL374C                | PEHD DN 160 | 141,00 | 554,00  | GC5    | GC25   |
| PL374D                | PEHD DN 160 | 141,00 | 175,00  | GC22   | GC5    |
| PL374E                | PEHD DN 160 | 141,00 | 1550,00 | PC376  | GC22   |
| PL375                 | PEHD DN 110 | 96,80  | 20,80   | PC374  | PC375  |
| PL376                 | PVC DN 110  | 101,60 | 557,08  | PC375  | PC352  |
| PL378                 | PVC DN 110  | 101,60 | 127,46  | PC376  | PC377  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>339/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                              |             |        |         |        |        |
|------------------------------|-------------|--------|---------|--------|--------|
| PL379                        | PEHD DN 160 | 141,00 | 162,00  | PC378  | PC376  |
| PL38_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 136,74  | PC38   | PC22A  |
| PL380                        | PVC DN 110  | 101,60 | 378,47  | PC378  | PC379  |
| PL381                        | PEHD DN 160 | 141,00 | 205,99  | PC380  | PC378  |
| PL382                        | PVC DN 110  | 101,60 | 92,62   | PC380  | PC381  |
| PL384                        | PVC DN 110  | 101,60 | 140,63  | PC382  | PC380  |
| PL385                        | PVC DN 110  | 101,60 | 132,64  | PC382A | PC383  |
| PL387                        | PVC DN 160  | 147,60 | 336,48  | PC382B | PC391  |
| PL388                        | PVC DN 160  | 147,60 | 228,11  | PC388  | PC382  |
| PL389                        | PVC DN 110  | 101,60 | 391,93  | PC388A | PC389  |
| PL39                         | PEHD DN 32  | 28,20  | 286,87  | PC38   | PC39   |
| PL390                        | PVC DN 110  | 101,60 | 74,90   | PC389  | PC390  |
| PL391                        | PVC DN 110  | 101,60 | 151,59  | PC391  | PC389  |
| PL392                        | PVC DN 160  | 147,60 | 222,17  | PC392  | PC391  |
| PL393                        | PVC DN 110  | 101,60 | 81,61   | PC392  | PC393  |
| PL394                        | PVC DN 160  | 147,60 | 119,11  | PC394  | PC392  |
| PL395                        | PVC DN 110  | 101,60 | 127,28  | PC394  | PC395  |
| PL396                        | PVC DN 160  | 147,60 | 188,86  | PC396  | PC394  |
| PL397                        | PVC DN 110  | 101,60 | 161,77  | PC396  | PC397  |
| PL398                        | PVC DN 110  | 101,60 | 78,12   | PC397  | PC398  |
| PL399                        | PVC DN 110  | 101,60 | 18,18   | PC397  | PC399  |
| PL3A_rekonstrukc_Vodoprojekt | PEHD DN 110 | 96,80  | 256,85  | PC4    | PC2    |
| PL4                          | PEHD DN 50  | 44,00  | 143,50  | PC5    | PC4    |
| PL40_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 449,69  | PC40   | PC38   |
| PL400                        | PVC DN 160  | 147,60 | 69,58   | PC400  | PC396  |
| PL4000                       | PEHD DN 25  | 21,40  | 51,98   | PC4001 | PC4000 |
| PL4001                       | PEHD DN 25  | 21,40  | 40,23   | PC4002 | PC4001 |
| PL4002                       | PEHD DN 63  | 55,40  | 78,69   | PC4003 | PC4001 |
| PL4003                       | PEHD DN 25  | 21,40  | 43,05   | PC4003 | PC4004 |
| PL4004                       | PEHD DN 25  | 21,40  | 46,04   | PC4003 | PC4005 |
| PL4005                       | PEHD DN 63  | 55,40  | 23,15   | PC4006 | PC4003 |
| PL4006                       | PVC DN 110  | 101,60 | 73,45   | PC4006 | PC4007 |
| PL4007                       | PEHD DN 25  | 21,40  | 149,48  | PC4007 | PC4008 |
| PL4008                       | PEHD DN 25  | 21,40  | 98,00   | PC4008 | PC4006 |
| PL4009                       | PVC DN 110  | 101,60 | 77,80   | PC4006 | PC4009 |
| PL401                        | PVC DN 110  | 101,60 | 68,01   | PC400  | PC401  |
| PL4010                       | PVC DN 160  | 147,60 | 224,83  | PC4009 | PC4010 |
| PL4011                       | PVC DN 160  | 147,60 | 141,84  | PC4011 | PC4009 |
| PL4012                       | PVC DN 110  | 101,60 | 165,74  | PC4012 | PC4009 |
| PL4013                       | PVC DN 160  | 147,60 | 76,80   | PC4012 | PC4011 |
| PL4014                       | PVC DN 160  | 147,60 | 184,43  | PC4013 | PC4012 |
| PL4015                       | PEHD DN 90  | 79,20  | 293,62  | PC4013 | PC4014 |
| PL4016                       | PVC DN 160  | 147,60 | 204,77  | PC4015 | PC4013 |
| PL4017                       | PEHD DN 32  | 28,20  | 409,19  | PC4015 | PC4016 |
| PL4018                       | PVC DN 160  | 147,60 | 744,42  | PC4017 | PC4015 |
| PL4019                       | PVC DN 160  | 147,60 | 1049,20 | PC4018 | PC4017 |
| PL402                        | PVC DN 110  | 101,60 | 814,18  | PC401  | PC386  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>340/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |         |         |         |
|-----------------------|-------------|--------|---------|---------|---------|
| PL4020                | PVC DN 160  | 147,60 | 1126,90 | PC4019  | PC4018  |
| PL4021                | PVC DN 110  | 101,60 | 254,19  | PC4019  | PC4020  |
| PL4023                | PVC DN 110  | 101,60 | 101,46  | PC4019  | PC4021  |
| PL4024                | PVC DN 110  | 101,60 | 191,63  | PC4021  | PC4022  |
| PL4025                | PVC DN 110  | 101,60 | 306,93  | PC4022  | PC4023  |
| PL4026                | PVC DN 110  | 101,60 | 166,84  | PC4022  | PC4024  |
| PL4027                | PVC DN 110  | 101,60 | 90,06   | PC4024  | PC4026  |
| PL4028                | PVC DN 110  | 101,60 | 103,97  | PC4024  | PC4025  |
| PL4029                | PVC DN 110  | 101,60 | 103,00  | PC4025  | PC4026  |
| PL403                 | PVC DN 110  | 101,60 | 168,40  | PC386   | PC387   |
| PL4030                | PVC DN 110  | 101,60 | 124,77  | PC4026  | PC4027  |
| PL4031                | PEHD DN 110 | 96,80  | 65,04   | PC4028  | PC4027  |
| PL4032                | PVC DN 110  | 101,60 | 157,02  | PC4021  | PC4035  |
| PL4033                | PVC DN 160  | 147,60 | 181,43  | PC4029  | PC4019  |
| PL4034                | PEHD DN 63  | 55,40  | 57,62   | PC4029  | PC4030  |
| PL4035                | PVC DN 110  | 101,60 | 138,29  | PC4031  | PC4029  |
| PL4036                | PVC DN 110  | 101,60 | 50,65   | PC4032  | PC4031  |
| PL4037                | PVC DN 110  | 101,60 | 208,43  | PC4032  | PC4033  |
| PL4038                | PVC DN 110  | 101,60 | 137,60  | PC4031  | PC4034  |
| PL4039                | PVC DN 110  | 101,60 | 255,11  | PC4034  | PC4036  |
| PL404                 | PVC DN 110  | 101,60 | 198,30  | PC386   | PC383   |
| PL4040                | PVC DN 110  | 101,60 | 72,47   | PC4037  | PC4036  |
| PL4041                | PEHD DN 63  | 55,40  | 66,60   | PC4037  | PC4038  |
| PL4042                | PVC DN 110  | 101,60 | 93,11   | PC4035  | PC4037  |
| PL4043                | PVC DN 110  | 101,60 | 123,87  | PC4035  | PC4034  |
| PL4044                | PVC DN 110  | 101,60 | 431,68  | PC4040  | PC4032  |
| PL4045                | PVC DN 160  | 147,60 | 314,42  | PC4043A | PC4031  |
| PL4046                | PVC DN 110  | 101,60 | 115,57  | PC4041  | PC4040  |
| PL4047                | PVC DN 110  | 101,60 | 148,89  | PC4042  | PC4041  |
| PL4048_rekonstrukcija | PEHD DN 225 | 198,60 | 77,72   | PC4043  | PC4042  |
| PL4048A               | PVC DN 110  | 101,60 | 77,69   | PC4042  | PC4043A |
| PL4049                | PVC DN110   | 101,60 | 36,15   | PC4044  | PC4036  |
| PL405                 | PVC DN 110  | 101,60 | 62,77   | PC383   | PC384   |
| PL4050                | PVC DN 110  | 101,60 | 91,48   | PC4048  | PC4044  |
| PL4051                | PVC DN 63   | 57,00  | 27,97   | PC4048  | PC4049  |
| PL4052                | PVC DN 110  | 101,60 | 43,59   | PC4047  | PC4048  |
| PL4053                | PVC DN 110  | 101,60 | 90,99   | PC4046  | PC4047  |
| PL4054                | PVC DN 110  | 101,60 | 125,70  | PC4045  | PC4046  |
| PL4055                | PVC DN 110  | 101,60 | 80,52   | PC4045  | PC4044  |
| PL4056                | PVC DN 110  | 101,60 | 220,40  | PC4050  | PC4045  |
| PL4057                | PVC DN 110  | 101,60 | 304,28  | PC4054  | PC4050  |
| PL4058                | PVC DN 110  | 101,60 | 236,87  | PC4053  | PC4046  |
| PL4059                | PVC DN 110  | 101,60 | 139,54  | PC4050  | PC4051  |
| PL406                 | PEHD DN 63  | 55,40  | 42,37   | PC384   | PC385   |
| PL4060                | PVC DN 110  | 101,60 | 322,17  | PC4051  | PC4055  |
| PL4061_rekonstrukcija | PEHD DN 225 | 198,60 | 85,69   | PC4054  | PC4055  |
| PL4062                | PVC DN 110  | 101,60 | 86,18   | PC4054  | PC4055  |
| PL4063_rekonstrukcija | PEHD DN 225 | 198,60 | 94,22   | PC4055  | PC4056  |
| PL4063A               | PVC DN 110  | 101,60 | 95,20   | PC4055  | PC4056  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>341/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                       |             |        |        |         |         |
|-----------------------|-------------|--------|--------|---------|---------|
| PL4064_rekonstrukcija | PEHD DN 225 | 198,60 | 86,21  | PC4056  | PC4057  |
| PL4064A               | PVC DN 110  | 101,60 | 86,78  | PC4056  | PC4057  |
| PL4065_rekonstrukcija | PEHD DN 225 | 198,60 | 156,93 | PC4057  | PC4060  |
| PL4065A               | PVC DN 110  | 101,60 | 158,04 | PC4057  | PC4060  |
| PL4066_rekonstrukcija | PEHD DN 225 | 198,60 | 35,55  | PC4060  | PC4061  |
| PL4066A               | PVC DN 110  | 101,60 | 36,19  | PC4060  | PC4061  |
| PL4067                | PVC DN 110  | 101,60 | 320,65 | PC4058  | PC4057  |
| PL4068                | PVC DN 110  | 101,60 | 76,47  | PC4052  | PC4058  |
| PL4069                | PVC DN 110  | 101,60 | 185,97 | PC4051  | PC4052  |
| PL407                 | PVC DN 110  | 101,60 | 99,85  | PC401   | PC402   |
| PL4070                | PVC DN 110  | 101,60 | 151,47 | PC4058  | PC4059  |
| PL4071                | PVC DN 110  | 101,60 | 354,76 | PC4059  | PC4060  |
| PL4072                | PVC DN 160  | 147,60 | 155,66 | PC4062  | PC4061  |
| PL4073                | PVC DN 110  | 101,60 | 231,40 | PC4063  | PC4062  |
| PL4074                | PVC DN 110  | 101,60 | 65,97  | PC4064  | PC4063  |
| PL4075                | PEHD DN 160 | 141,00 | 467,09 | PC4062  | PC4065  |
| PL4076                | PVC DN 110  | 101,60 | 128,48 | PC4066A | PC4053  |
| PL4077_rekonstrukcija | PEHD DN 225 | 198,60 | 133,12 | PC4054  | PC4066  |
| PL4077A               | PVC DN 110  | 101,60 | 132,67 | PC4066A | PC4054  |
| PL4078                | PVC DN 110  | 101,60 | 1,13   | PC4066  | PC4066A |
| PL4079_rekonstrukcija | PEHD DN 225 | 198,60 | 13,23  | PC4066  | PC4067  |
| PL4079A               | PVC DN 110  | 101,60 | 14,03  | PC4067  | PC4066A |
| PL408                 | PVC DN 110  | 101,60 | 34,72  | PC402   | PC403   |
| PL4080                | PVC DN 110  | 101,60 | 12,82  | PC4068  | PC4067  |
| PL4081                | PVC DN 110  | 101,60 | 104,92 | PC4068  | PC4069  |
| PL4082_rekonstrukcija | PEHD DN 225 | 198,60 | 360,10 | PC4067  | PC4070  |
| PL4082A               | PVC DN 110  | 101,60 | 359,77 | PC4070  | PC4067  |
| PL4083                | PVC DN 110  | 101,60 | 144,61 | PC4070  | PC4047  |
| PL4084_rekonstrukcija | PEHD DN 225 | 198,60 | 265,71 | PC4070  | PC4077  |
| PL4084A               | PVC DN 110  | 101,60 | 266,19 | PC4077  | PC4070  |
| PL4085                | PVC DN 110  | 101,60 | 275,97 | PC4077  | PC4078  |
| PL4085A               | PVC DN 110  | 101,60 | 204,89 | PC4071  | PC4070  |
| PL4086                | PVC DN 110  | 101,60 | 127,84 | PC4079  | PC4078  |
| PL4086A               | PVC DN 110  | 101,60 | 97,31  | PC4071  | PC4072  |
| PL4087                | PVC DN 110  | 101,60 | 53,59  | PC4078  | PC4080  |
| PL4087A               | PVC DN 110  | 101,60 | 96,27  | PC4072  | PC4073  |
| PL4088                | PVC DN 110  | 101,60 | 112,62 | PC4081  | PC4080  |
| PL4088A               | PVC DN 110  | 101,60 | 149,53 | PC4073  | PC4074  |
| PL4089                | PVC DN 110  | 101,60 | 157,62 | PC4081  | PC4082  |
| PL4089A               | PVC DN 110  | 101,60 | 222,49 | PC4074  | PC4076  |
| PL409                 | PVC DN 110  | 101,60 | 57,06  | PC402   | PC404   |
| PL4090                | PVC DN 110  | 101,60 | 366,70 | PC4080  | PC4071  |
| PL4090A               | PVC DN 110  | 101,60 | 154,21 | PC4075  | PC4074  |
| PL4091                | PVC DN 110  | 101,60 | 400,37 | PC4081  | PC4072  |
| PL4091A               | PVC DN 110  | 101,60 | 118,96 | PC4073  | PC4075  |
| PL4092A               | PVC DN 110  | 101,60 | 378,18 | PC4075  | PC4068  |
| PL4093                | PVC DN 110  | 101,60 | 1,04   | PC4083A | PC4083  |
| PL4094A               | PVC DN 110  | 101,60 | 36,73  | PC4083A | PC4077  |
| PL4094B               | PEHD DN 225 | 198,60 | 35,82  | PC4077  | PC4083  |

|                                   |                   |          |   |   |   |   |   |
|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|                                   |                   | Nadnevak |   |   |   |   |   |
| Krunoslav Čingel, dipl.ing. građ. |                   |          |   |   |   |   |   |

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MEĐIMURSKE ŽUPANIJEStranica:  
342/512Nadnevak:  
17.11. 2009.

|                       |               |        |         |         |         |
|-----------------------|---------------|--------|---------|---------|---------|
| rekonstrukcija        |               |        |         |         |         |
| PL4095_rekonstrukcija | PEHD DN 225   | 198,60 | 121,62  | PC4083  | PC4043  |
| PL4095A               | PVC DN 110    | 101,60 | 121,74  | PC4043  | PC4083A |
| PL4096                | PVC DN 110    | 101,60 | 69,12   | PC4084  | PC4083A |
| PL4097                | PVC DN 110    | 101,60 | 76,42   | PC4084  | PC4086  |
| PL4098                | PVC DN 110    | 101,60 | 110,75  | PC4084  | PC4085  |
| PL4099                | PVC DN 110    | 101,60 | 52,68   | PC4089  | PC4041  |
| PL41                  | PVC DN 90     | 81,40  | 1461,25 | PC40    | PC41    |
| PL410                 | PVC DN 110    | 101,60 | 133,09  | PC404   | PC405   |
| PL4100                | PVC DN 110    | 101,60 | 52,99   | PC4089  | PC4090  |
| PL4101                | PVC DN 110    | 101,60 | 90,94   | PC4091  | PC4092  |
| PL4102                | PVC DN 110    | 101,60 | 168,62  | PC4093  | PC4091  |
| PL4103_rekonstrukcija | PEHD DN 225   | 198,60 | 91,61   | PC4093  | PC4094A |
| PL4103A               | PVC DN 110    | 101,60 | 91,16   | PC4093  | PC4094  |
| PL4104_rekonstrukcija | PEHD DN 225   | 198,60 | 103,11  | PC4094A | PC4042  |
| PL4104A               | PVC DN 110    | 101,60 | 103,14  | PC4094  | PC4042  |
| PL4105                | PEHD DN 63    | 55,40  | 15,94   | PC4094A | PC4095  |
| PL4105A               | PEHD DN 63    | 55,40  | 0,51    | PC4094  | PC4094A |
| PL4106_rekonstrukcija | PEHD DN 225   | 198,60 | 1053,40 | PC4096  | PC4093  |
| PL4106A               | PVC DN 110    | 101,60 | 1053,48 | PC4096  | PC4093  |
| PL4107_rekonstrukc    | PEHD DN 225   | 198,60 | 122,09  | 35      | PC4096  |
| PL4107A               | PVC DN 110    | 101,60 | 121,79  | PC4097A | PC4096  |
| PL4108_rekonstrukcija | PEHD DN 225   | 198,60 | 1146,48 | PC4098  | PC4097  |
| PL4109                | PVC DN 110    | 101,60 | 178,49  | PC4100  | PC4040  |
| PL411                 | PVC DN 110    | 101,60 | 30,95   | PC406   | PC404   |
| PL4110                | PVC DN 110    | 101,60 | 476,04  | PC4102  | PC4100  |
| PL4111                | PVC DN 110    | 101,60 | 255,34  | PC4100  | PC4101  |
| PL4112                | PVC DN 110    | 101,60 | 186,04  | PC4100  | PC4099  |
| PL4113                | DUCTIL DN 400 | 402,80 | 1226,12 | 28      | PC4104  |
| PL4114                | DUCTIL DN 400 | 402,80 | 1252,03 | PC4104  | PC4105  |
| PL4115                | DUCTIL DN 400 | 402,80 | 629,61  | PC4105  | PC4157  |
| PL4116                | PVC DN 160    | 147,60 | 661,96  | PC4104  | PC4107  |
| PL4117                | PVC DN 110    | 101,60 | 42,00   | PC4107  | PC4108  |
| PL4118                | PVC DN 160    | 147,60 | 147,99  | PC4107  | PC4109  |
| PL4119                | PVC DN 110    | 101,60 | 174,17  | PC4109  | PC4110  |
| PL412                 | PVC DN 160    | 147,60 | 203,07  | PC406   | PC407   |
| PL4120                | PVC DN 110    | 101,60 | 76,22   | PC4110  | PC4111  |
| PL4121                | PVC DN 160    | 147,60 | 300,60  | PC4112  | PC4109  |
| PL4122                | PVC DN 110    | 101,60 | 457,08  | PC4110  | PC4115  |
| PL4123                | PVC DN 160    | 147,60 | 61,88   | PC4112  | PC4113  |
| PL4124                | PVC DN 160    | 147,60 | 80,94   | PC4114  | PC4112  |
| PL4125                | PVC DN 110    | 101,60 | 59,34   | PC4115  | PC4114  |
| PL4126                | PVC DN 110    | 101,60 | 441,31  | PC4115  | PC4116  |
| PL4127                | PVC DN 160    | 147,60 | 1004,85 | PC4114  | PC4117  |
| PL4128                | PVC DN 110    | 101,60 | 141,89  | PC4117  | PC4118  |
| PL4129                | PVC DN 110    | 101,60 | 97,83   | PC4118  | PC4119  |
| PL413                 | PVC DN 110    | 101,60 | 107,41  | PC407   | PC408   |
| PL4130                | PVC DN 110    | 101,60 | 137,25  | PC4118  | PC4121  |
| PL4131                | PVC DN 110    | 101,60 | 57,50   | PC4121  | PC4120  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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17.11. 2009.

|        |               |        |         |        |        |
|--------|---------------|--------|---------|--------|--------|
| PL4132 | PVC DN 110    | 101,60 | 178,97  | PC4121 | PC4122 |
| PL4133 | PVC DN 160    | 147,60 | 113,54  | PC4122 | PC4105 |
| PL4134 | PVC DN 110    | 101,60 | 413,42  | PC4122 | PC4153 |
| PL4135 | PVC DN 160    | 147,60 | 79,74   | PC4122 | PC4123 |
| PL4136 | PVC DN 160    | 147,60 | 110,41  | PC4123 | PC4124 |
| PL4137 | PVC DN 160    | 147,60 | 69,31   | PC4124 | PC4117 |
| PL4138 | PVC DN 160    | 147,60 | 119,67  | PC4124 | PC4125 |
| PL4139 | PVC DN 110    | 101,60 | 166,98  | PC4128 | PC4123 |
| PL414  | PEHD DN 63    | 55,40  | 84,41   | PC408  | PC409  |
| PL4140 | PVC DN 110    | 101,60 | 80,21   | PC4125 | PC4126 |
| PL4141 | PVC DN 110    | 101,60 | 54,06   | PC4126 | PC4128 |
| PL4142 | PVC DN 110    | 101,60 | 48,39   | PC4126 | PC4127 |
| PL4143 | PVC DN 110    | 101,60 | 14,73   | PC4129 | PC4128 |
| PL4144 | PVC DN 63     | 57,00  | 25,56   | PC4129 | PC4130 |
| PL4145 | PVC DN 110    | 101,60 | 96,57   | PC4131 | PC4129 |
| PL4146 | PVC DN 110    | 101,60 | 99,89   | PC4131 | PC4132 |
| PL4147 | PEHD DN 63    | 55,40  | 16,83   | PC4132 | PC4133 |
| PL4148 | PVC DN 110    | 101,60 | 119,14  | PC4132 | PC4134 |
| PL4149 | PVC DN 160    | 147,60 | 45,62   | PC4134 | PC4135 |
| PL415  | PVC DN 110    | 101,60 | 99,56   | PC408  | PC410  |
| PL4150 | PVC DN 110    | 101,60 | 334,14  | PC4135 | PC4136 |
| PL4151 | PVC DN 110    | 101,60 | 87,15   | PC4134 | PC4137 |
| PL4152 | PVC DN 110    | 101,60 | 203,90  | PC4138 | PC4131 |
| PL4153 | PVC DN 160    | 147,60 | 145,67  | PC4153 | PC4138 |
| PL4154 | PVC DN 160    | 147,60 | 186,46  | PC4139 | PC4138 |
| PL4155 | PEHD DN 63    | 55,40  | 36,96   | PC4139 | PC4140 |
| PL4156 | PVC DN 160    | 147,60 | 57,06   | PC4141 | PC4139 |
| PL4157 | PVC DN 160    | 147,60 | 68,71   | PC4142 | PC4141 |
| PL4158 | PEHD DN 63    | 55,40  | 54,04   | PC4142 | PC4143 |
| PL4159 | PVC DN 160    | 147,60 | 116,50  | PC4144 | PC4142 |
| PL416  | PVC DN 110    | 147,60 | 85,99   | PC407  | PC411  |
| PL4160 | PEHD DN 63    | 55,40  | 43,32   | PC4144 | PC4145 |
| PL4161 | PVC DN 160    | 147,60 | 91,23   | PC4134 | PC4144 |
| PL4162 | PVC DN 110    | 101,60 | 44,77   | PC4141 | PC4146 |
| PL4163 | PVC DN 110    | 101,60 | 92,32   | PC4146 | PC4147 |
| PL4164 | PVC DN 110    | 101,60 | 96,24   | PC4146 | PC4148 |
| PL4165 | PVC DN 110    | 101,60 | 88,41   | PC4148 | PC4149 |
| PL4166 | PVC DN 110    | 101,60 | 167,51  | PC4148 | PC4150 |
| PL4167 | PVC DN 110    | 101,60 | 51,45   | PC4150 | PC4151 |
| PL4168 | PVC DN 110    | 101,60 | 153,03  | PC4150 | PC4152 |
| PL4169 | PVC DN 160    | 147,60 | 221,59  | PC4153 | PC4154 |
| PL417  | DUCTIL DN 400 | 402,80 | 1501,72 | PC4157 | PC4158 |
| PL4170 | PVC DN 110    | 101,60 | 170,14  | PC4154 | PC4155 |
| PL4171 | PVC DN 160    | 147,60 | 124,80  | PC4156 | PC4155 |
| PL4172 | PVC DN 160    | 147,60 | 11,73   | PC4154 | PC4156 |
| PL4173 | PVC DN 160    | 147,60 | 99,76   | PC4156 | PC4157 |
| PL4175 | DUCTIL DN 400 | 402,80 | 855,58  | PC4158 | PC4159 |
| PL4176 | PVC DN 225    | 207,80 | 92,81   | PC4160 | PC4161 |
| PL4177 | PVC DN 225    | 207,80 | 337,98  | PC4159 | PC4160 |

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|-----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                       | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing. građ. |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>344/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|                                  |               |        |        |        |        |
|----------------------------------|---------------|--------|--------|--------|--------|
| PL4178                           | DUCTIL DN 400 | 402,80 | 521,94 | PC4159 | PC4162 |
| PL4179                           | PEHD DN 225   | 198,20 | 337,27 | PC4162 | PC4163 |
| PL417B                           | PVC DN 160    | 147,60 | 113,89 | PC412  | PC406  |
| PL418                            | PEHD DN 160   | 141,00 | 52,11  | PC412  | PC413  |
| PL4180                           | PEHD DN 160   | 141,00 | 556,36 | PC4164 | PC4163 |
| PL4181                           | PEHD DN 225   | 207,80 | 267,28 | PC4165 | PC4158 |
| PL4182                           | PVC DN 110    | 101,60 | 243,48 | PC4165 | PC4175 |
| PL4183                           | PVC DN 160    | 147,60 | 117,26 | PC4166 | PC4165 |
| PL4184                           | PVC DN 110    | 101,60 | 162,62 | PC4166 | PC4167 |
| PL4185                           | PVC DN 160    | 147,60 | 114,32 | PC4168 | PC4166 |
| PL4186                           | PVC DN 110    | 101,60 | 176,73 | PC4168 | PC4169 |
| PL4187                           | PVC DN 110    | 101,60 | 140,36 | PC4169 | PC4170 |
| PL4188                           | PVC DN 110    | 101,60 | 62,94  | PC4169 | PC4171 |
| PL4189                           | PVC DN 110    | 101,60 | 135,43 | PC4171 | PC4172 |
| PL419                            | PEHD DN 160   | 141,00 | 22,90  | PC413  | PC414  |
| PL4190                           | PVC DN 110    | 101,60 | 211,65 | PC4173 | PC4172 |
| PL4191                           | PVC DN 110    | 101,60 | 12,84  | PC4173 | PC4174 |
| PL4192                           | PVC DN 160    | 147,60 | 416,74 | PC4174 | PC4168 |
| PL4193                           | PVC DN 110    | 101,60 | 34,94  | PC4172 | PC4176 |
| PL4194                           | PVC DN 110    | 101,60 | 42,67  | PC4176 | PC4177 |
| PL4195                           | PVC DN 110    | 101,60 | 114,97 | PC4176 | PC4178 |
| PL4196                           | PEHD DN 63    | 55,40  | 74,26  | PC4178 | PC4179 |
| PL4197                           | PVC DN 110    | 101,60 | 120,98 | PC4178 | PC4181 |
| PL4198                           | PVC DN 110    | 101,60 | 39,96  | PC4180 | PC4173 |
| PL4199                           | PVC DN 110    | 101,60 | 173,67 | PC4181 | PC4180 |
| PL42_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 469,71 | PC42   | PC40   |
| PL420                            | PEHD DN 110   | 96,80  | 52,90  | PC415  | PC414  |
| PL4200                           | PVC DN 110    | 101,60 | 61,94  | PC4181 | PC4182 |
| PL4201                           | PVC DN 110    | 101,60 | 232,22 | PC4200 | PC4182 |
| PL4202                           | PVC DN 110    | 101,60 | 161,64 | PC4180 | PC4200 |
| PL4203                           | PVC DN 110    | 101,60 | 147,72 | PC4182 | PC4184 |
| PL4204                           | PVC DN 110    | 101,60 | 88,45  | PC4184 | PC4185 |
| PL4205                           | PVC DN 110    | 101,60 | 317,40 | PC4185 | PC4171 |
| PL4206                           | PVC DN 110    | 101,60 | 121,09 | PC4184 | PC4191 |
| PL4207                           | PVC DN 110    | 101,60 | 139,18 | PC4187 | PC4191 |
| PL4208                           | PVC DN 110    | 101,60 | 41,27  | PC4187 | PC4188 |
| PL4209                           | PVC DN 110    | 101,60 | 323,74 | PC4189 | PC4187 |
| PL421                            | PVC DN 110    | 101,60 | 56,49  | PC415  | PC416  |
| PL4210                           | PVC DN 110    | 101,60 | 246,52 | PC4190 | PC4189 |
| PL4211                           | PVC DN 110    | 101,60 | 69,84  | PC4191 | PC4190 |
| PL4212                           | PVC DN 110    | 101,60 | 154,28 | PC4190 | PC4192 |
| PL4213                           | PVC DN 110    | 101,60 | 64,49  | PC4192 | PC4193 |
| PL4214                           | PVC DN 110    | 101,60 | 48,83  | PC4194 | PC4193 |
| PL4215                           | PVC DN 110    | 101,60 | 326,32 | PC4193 | PC4198 |
| PL4216                           | PVC DN 110    | 101,60 | 62,01  | PC4198 | PC4197 |
| PL4217                           | PVC DN 110    | 101,60 | 218,93 | PC4197 | PC4195 |
| PL4218                           | PVC DN 110    | 101,60 | 89,01  | PC4195 | PC4196 |
| PL4219                           | PVC DN 110    | 101,60 | 99,12  | PC4195 | PC4192 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>345/512  |
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|  |   | Nadnevak:<br>17.11. 2009.   |

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|--------|---------------|--------|---------|--------|--------|
| PL422  | PEHD DN 160   | 141,00 | 72,61   | PC414  | PC400  |
| PL4220 | PVC DN 110    | 101,60 | 115,34  | PC4199 | PC4198 |
| PL4221 | PVC DN 110    | 101,60 | 85,33   | PC4197 | PC4199 |
| PL4222 | PVC DN 110    | 101,60 | 47,82   | PC4199 | PC4200 |
| PL4223 | PVC DN 110    | 101,60 | 81,65   | PC4201 | PC4200 |
| PL4224 | PVC DN 110    | 101,60 | 134,01  | PC4201 | PC4202 |
| PL4225 | PVC DN 110    | 101,60 | 96,57   | PC4203 | PC4201 |
| PL4226 | PVC DN 110    | 101,60 | 61,72   | PC4203 | PC4222 |
| PL4227 | PVC DN 110    | 101,60 | 206,91  | PC4204 | PC4203 |
| PL4228 | PVC DN 110    | 101,60 | 21,25   | PC4204 | PC4205 |
| PL4229 | PVC DN 110    | 101,60 | 48,15   | PC4205 | PC4206 |
| PL423  | PVC DN 110    | 101,60 | 93,73   | PC417  | PC412  |
| PL4230 | PVC DN 110    | 101,60 | 418,06  | PC4205 | PC4210 |
| PL4231 | PVC DN 110    | 101,60 | 108,72  | PC4207 | PC4204 |
| PL4232 | PVC DN 160    | 147,60 | 43,10   | PC4208 | PC4207 |
| PL4233 | PVC DN 160    | 147,60 | 134,43  | PC4207 | PC4209 |
| PL4234 | PVC DN 110    | 101,60 | 145,94  | PC4209 | PC4215 |
| PL4235 | PVC DN 110    | 101,60 | 33,19   | PC4215 | PC4216 |
| PL4236 | PVC DN 110    | 101,60 | 77,05   | PC4216 | PC4217 |
| PL4237 | PVC DN 110    | 101,60 | 78,77   | PC4216 | PC4218 |
| PL4238 | PVC DN 110    | 101,60 | 101,26  | PC4218 | PC4221 |
| PL4239 | PVC DN 110    | 101,60 | 169,74  | PC4215 | PC4220 |
| PL424  | PVC DN 110    | 101,60 | 336,98  | PC418  | PC417  |
| PL4240 | PVC DN 160    | 147,60 | 184,16  | PC4211 | PC4209 |
| PL4241 | PVC DN 160    | 147,60 | 644,57  | PC4211 | PC4162 |
| PL4242 | PVC DN 110    | 101,60 | 258,63  | PC4212 | PC4211 |
| PL4243 | PVC DN 110    | 101,60 | 229,27  | PC4208 | PC4212 |
| PL4244 | PVC DN 110    | 101,60 | 200,24  | PC4213 | PC4212 |
| PL4245 | PVC DN 110    | 101,60 | 237,45  | PC4213 | PC4214 |
| PL4246 | PVC DN 110    | 101,60 | 116,86  | PC4224 | PC4213 |
| PL4247 | PVC DN 160    | 147,60 | 279,46  | PC4214 | PC4208 |
| PL4248 | PVC DN 110    | 101,60 | 283,11  | PC4223 | PC4224 |
| PL4249 | PVC DN 160    | 147,60 | 115,67  | PC4233 | PC4223 |
| PL424A | PVC DN 110    | 101,60 | 325,72  | PC418  | PC417  |
| PL425  | PVC DN 110    | 101,60 | 252,73  | PC419  | PC418  |
| PL4250 | PVC DN 110    | 101,60 | 156,20  | PC4225 | PC4224 |
| PL4251 | PVC DN 110    | 101,60 | 171,02  | PC4225 | PC4226 |
| PL4252 | PVC DN 110    | 101,60 | 24,12   | PC4226 | PC4227 |
| PL4253 | PEHD DN 63    | 55,40  | 66,38   | PC4226 | PC4228 |
| PL4254 | PVC DN 110    | 101,60 | 66,12   | PC4229 | PC4225 |
| PL4255 | PVC DN 110    | 101,60 | 72,25   | PC4229 | PC4230 |
| PL4256 | PVC DN 110    | 101,60 | 73,54   | PC4231 | PC4229 |
| PL4257 | PVC DN 110    | 101,60 | 157,28  | PC4233 | PC4231 |
| PL4258 | PVC DN 110    | 101,60 | 51,87   | PC4231 | PC4232 |
| PL4259 | PVC DN 160    | 147,60 | 55,06   | PC4174 | PC4233 |
| PL426  | PVC DN 110    | 101,60 | 74,06   | PC419  | PC420  |
| PL4260 | PVC DN 110    | 101,60 | 130,55  | PC4185 | PC4187 |
| PL4261 | DUCTIL DN 300 | 301,60 | 2074,75 | PC4162 | PC4234 |
| PL4262 | DUCTIL DN 300 | 301,60 | 160,61  | PC4234 | PC4235 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>346/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |               |        |        |        |        |
|--------|---------------|--------|--------|--------|--------|
| PL4263 | PEHD DN 110   | 96,80  | 160,00 | PC4236 | PC4235 |
| PL4264 | DUCTIL DN 300 | 301,60 | 356,50 | PC4235 | PC4237 |
| PL4265 | PVC DN 160    | 147,60 | 561,38 | PC4237 | PC4238 |
| PL4266 | PVC DN 110    | 101,60 | 72,58  | PC4238 | PC4239 |
| PL4267 | PVC DN 160    | 147,60 | 136,75 | PC4238 | PC4279 |
| PL4268 | PVC DN 160    | 147,60 | 87,52  | PC4245 | PC4234 |
| PL4269 | PVC DN 110    | 101,60 | 130,26 | PC4245 | PC4246 |
| PL426A | PVC DN 160    | 147,60 | 393,80 | PC422  | PC412  |
| PL427  | PVC DN 110    | 101,60 | 84,76  | PC421  | PC419  |
| PL4270 | PVC DN 160    | 147,60 | 190,71 | PC4240 | PC4245 |
| PL4271 | PVC DN 160    | 147,60 | 206,68 | PC4242 | PC4240 |
| PL4272 | PVC DN 110    | 101,60 | 141,54 | PC4241 | PC4242 |
| PL4273 | PVC DN 110    | 101,60 | 176,01 | PC4241 | PC4240 |
| PL4274 | PVC DN 110    | 101,60 | 106,87 | PC4244 | PC4241 |
| PL4275 | PVC DN 110    | 101,60 | 104,82 | PC4244 | PC4243 |
| PL4276 | PVC DN 160    | 147,60 | 35,01  | PC4243 | PC4242 |
| PL4277 | PVC DN 160    | 147,60 | 158,17 | PC4280 | PC4243 |
| PL4278 | PVC DN 110    | 101,60 | 128,39 | PC4247 | PC4244 |
| PL4279 | PVC DN 110    | 101,60 | 99,02  | PC4249 | PC4247 |
| PL428  | PVC DN 160    | 147,60 | 52,66  | PC421  | PC422  |
| PL4280 | PVC DN 110    | 101,60 | 102,77 | PC4247 | PC4248 |
| PL4281 | PVC DN 110    | 101,60 | 133,09 | PC4249 | PC4250 |
| PL4282 | PVC DN 110    | 101,60 | 40,52  | PC4251 | PC4249 |
| PL4283 | PVC DN 110    | 101,60 | 216,50 | PC4251 | PC4261 |
| PL4284 | PVC DN 110    | 101,60 | 305,01 | PC4252 | PC4251 |
| PL4285 | PVC DN 110    | 101,60 | 55,44  | PC4252 | PC4253 |
| PL4286 | PVC DN 110    | 101,60 | 111,00 | PC4254 | PC4252 |
| PL4287 | PVC DN 110    | 101,60 | 8,36   | PC4255 | PC4254 |
| PL4288 | PVC DN 110    | 101,60 | 329,48 | PC4260 | PC4255 |
| PL4289 | PVC DN 110    | 101,60 | 90,56  | PC4254 | PC4256 |
| PL429  | PEHD DN 63    | 55,40  | 196,61 | PC422  | PC424  |
| PL4290 | PVC DN 110    | 101,60 | 224,32 | PC4255 | PC4257 |
| PL4291 | PVC DN 110    | 101,60 | 9,86   | PC4258 | PC4257 |
| PL4292 | PVC DN 110    | 101,60 | 140,38 | PC4260 | PC4258 |
| PL4293 | PVC DN 110    | 101,60 | 149,11 | PC4257 | PC4259 |
| PL4294 | PVC DN 110    | 101,60 | 47,22  | PC4263 | PC4260 |
| PL4295 | PVC DN 110    | 101,60 | 100,60 | PC4263 | PC4261 |
| PL4296 | PVC DN 110    | 101,60 | 43,24  | PC4261 | PC4262 |
| PL4297 | PVC DN 110    | 101,60 | 131,61 | PC4258 | PC4264 |
| PL4298 | PVC DN 110    | 101,60 | 32,99  | PC4264 | PC4266 |
| PL4299 | PVC DN 110    | 101,60 | 61,00  | PC4264 | PC4265 |
| PL43   | PEHD DN 40    | 35,20  | 159,44 | PC42   | PC43   |
| PL430  | PVC DN 160    | 147,60 | 330,47 | PC442  | PC421  |
| PL4300 | PVC DN 110    | 101,60 | 121,09 | PC4266 | PC4267 |
| PL4301 | PVC DN 110    | 101,60 | 111,25 | PC4266 | PC4268 |
| PL4302 | PVC DN 110    | 101,60 | 382,28 | PC4268 | PC4263 |
| PL4303 | PVC DN 110    | 101,60 | 135,97 | PC4269 | PC4268 |
| PL4304 | PVC DN 110    | 101,60 | 150,51 | PC4270 | PC4269 |
| PL4305 | PVC DN 110    | 101,60 | 246,56 | PC4275 | PC4270 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>347/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|         |               |        |         |         |        |
|---------|---------------|--------|---------|---------|--------|
| PL4306  | PVC DN 110    | 101,60 | 150,02  | PC4271  | PC4270 |
| PL4307  | PVC DN 110    | 101,60 | 517,80  | PC4269  | PC4281 |
| PL4308  | PVC DN 110    | 101,60 | 448,82  | PC4285  | PC4272 |
| PL4309  | PVC DN 110    | 101,60 | 424,50  | PC4271  | PC4284 |
| PL431   | PVC DN 110    | 101,60 | 297,73  | PC418   | PC445  |
| PL4310  | PVC DN 110    | 101,60 | 34,18   | PC4273  | PC4272 |
| PL4311  | PVC DN 110    | 101,60 | 272,06  | PC4273  | PC4274 |
| PL4312  | PVC DN 110    | 101,60 | 286,51  | PC4275  | PC4273 |
| PL4313  | PVC DN 160    | 147,60 | 163,32  | PC4275  | PC4279 |
| PL4314  | PVC DN 110    | 101,60 | 234,72  | PC4279  | PC4280 |
| PL4315  | PVC DN 160    | 147,60 | 148,46  | PC4277  | PC4280 |
| PL4316  | PVC DN 110    | 101,60 | 62,23   | PC4278  | PC4277 |
| PL4317  | PVC DN 160    | 147,60 | 260,20  | PC4277  | PC4275 |
| PL4318  | PVC DN 110    | 101,60 | 194,53  | PC4272  | PC4271 |
| PL4319  | PVC DN 110    | 101,60 | 160,82  | PC4281  | PC4282 |
| PL432   | PVC DN 110    | 101,60 | 192,48  | PC411   | PC425  |
| PL4320  | PVC DN 110    | 101,60 | 86,45   | PC4282  | PC4283 |
| PL4321  | PVC DN 110    | 101,60 | 11,90   | PC4284  | PC4282 |
| PL4322  | PVC DN 110    | 101,60 | 48,55   | PC4285  | PC4284 |
| PL4323  | PVC DN 110    | 101,60 | 341,45  | PC4286  | PC4285 |
| PL4324  | DUCTIL DN 300 | 301,60 | 1356,16 | PC4237  | PC4287 |
| PL4324A | DUCTIL DN 300 | 301,60 | 2,03    | PC4287  | PC4288 |
| PL4325  | PVC DN 110    | 101,60 | 2,60    | PC4287  | PC4288 |
| PL4326  | PVC DN 160    | 147,60 | 71,96   | PC4289  | PC4288 |
| PL4327  | PVC DN 110    | 101,60 | 291,48  | PC4288  | PC4312 |
| PL4328  | DUCTIL DN 250 | 250,40 | 255,97  | PC4392  | PC4288 |
| PL4328A | PVC DN 110    | 101,60 | 255,50  | PC4392A | PC4287 |
| PL4329  | PEHD DN 63    | 55,40  | 20,20   | PC4289  | PC4290 |
| PL433   | PVC DN 110    | 101,60 | 33,74   | PC425   | PC426  |
| PL4330  | PVC DN 160    | 147,60 | 25,17   | PC4291  | PC4289 |
| PL4331  | PVC DN 160    | 147,60 | 192,44  | PC4312  | PC4291 |
| PL4332  | PVC DN 160    | 147,60 | 102,93  | PC4293  | PC4291 |
| PL4333  | PEHD DN 63    | 55,40  | 63,71   | PC4293  | PC4294 |
| PL4334  | PVC DN 160    | 147,60 | 193,95  | PC4295  | PC4293 |
| PL4335  | PVC DN 160    | 147,60 | 230,67  | PC4298  | PC4295 |
| PL4336  | PVC DN 160    | 147,60 | 20,37   | PC4295  | PC4296 |
| PL4337  | PVC DN 160    | 147,60 | 26,80   | PC4296  | PC4297 |
| PL4338  | PVC DN 160    | 147,60 | 291,24  | PC4297  | PC4313 |
| PL4339  | PEHD DN 63    | 55,40  | 67,11   | PC4313  | PC4314 |
| PL434   | PVC DN 110    | 101,60 | 142,09  | PC426   | PC427  |
| PL4340  | PVC DN 160    | 147,60 | 92,12   | PC4313  | PC4317 |
| PL4341  | PVC DN 110    | 101,60 | 237,88  | PC4297  | PC4299 |
| PL4342  | PVC DN 110    | 101,60 | 513,09  | PC4299  | PC4318 |
| PL4343  | PVC DN 110    | 101,60 | 376,95  | PC4300  | PC4296 |
| PL4344  | PVC DN 110    | 101,60 | 184,40  | PC4300  | PC4301 |
| PL4345  | PVC DN 110    | 101,60 | 126,00  | PC4302  | PC4300 |
| PL4346  | PVC DN 160    | 147,60 | 130,99  | PC4307  | PC4302 |
| PL4347  | PVC DN 160    | 147,60 | 108,29  | PC4303  | PC4302 |
| PL4348  | PVC DN 160    | 147,60 | 58,93   | PC4304  | PC4303 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Stranica:<br>348/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |  | Nadnevak:<br>17.11. 2009.   |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL4349 | PVC DN 160  | 101,60 | 95,75  | PC4305 | PC4303 |
| PL435  | PVC DN 110  | 101,60 | 167,56 | PC427  | PC428  |
| PL4350 | PEHD DN 63  | 55,40  | 90,82  | PC4305 | PC4306 |
| PL4351 | PVC DN 110  | 101,60 | 124,15 | PC4307 | PC4305 |
| PL4352 | PVC DN 160  | 147,60 | 69,66  | PC4308 | PC4307 |
| PL4353 | PEHD DN 63  | 55,40  | 52,14  | PC4308 | PC4309 |
| PL4354 | PVC DN 160  | 147,60 | 42,80  | PC4310 | PC4308 |
| PL4355 | PVC DN 110  | 101,60 | 201,87 | PC4310 | PC4311 |
| PL4356 | PVC DN 160  | 147,60 | 66,95  | PC4312 | PC4310 |
| PL4357 | PVC DN 160  | 147,60 | 97,21  | PC4384 | PC4304 |
| PL4358 | PVC DN 110  | 101,60 | 294,14 | PC4316 | PC4304 |
| PL4359 | PVC DN 110  | 101,60 | 149,99 | PC4315 | PC4328 |
| PL436  | PVC DN 110  | 101,60 | 184,13 | PC427  | PC429  |
| PL4360 | PVC DN 110  | 101,60 | 183,86 | PC4315 | PC4316 |
| PL4361 | PVC DN 110  | 101,60 | 342,27 | PC4317 | PC4316 |
| PL4362 | PVC DN 110  | 101,60 | 107,55 | PC4317 | PC4318 |
| PL4363 | PVC DN 110  | 101,60 | 154,47 | PC4318 | PC4319 |
| PL4364 | PVC DN 160  | 147,60 | 100,02 | PC4319 | PC4317 |
| PL4365 | PVC DN 160  | 147,60 | 80,22  | PC4319 | PC4320 |
| PL4366 | PVC DN 110  | 101,60 | 62,05  | PC4320 | PC4321 |
| PL4367 | PVC DN 160  | 147,60 | 20,23  | PC4320 | PC4322 |
| PL4368 | PVC DN 160  | 147,60 | 76,93  | PC4322 | PC4323 |
| PL4369 | PVC DN 160  | 147,60 | 90,57  | PC4324 | PC4323 |
| PL437  | PVC DN 110  | 101,60 | 622,51 | PC426  | PC430  |
| PL4370 | PVC DN 110  | 101,60 | 134,67 | PC4323 | PC4324 |
| PL4371 | PVC DN 160  | 147,60 | 127,51 | PC4324 | PC4325 |
| PL4372 | PVC DN 110  | 101,60 | 195,88 | PC4326 | PC4325 |
| PL4373 | PVC DN 110  | 101,60 | 130,27 | PC4327 | PC4326 |
| PL4374 | PVC DN 160  | 147,60 | 16,85  | PC4328 | PC4327 |
| PL4375 | PVC DN 110  | 101,60 | 189,53 | PC4325 | PC4328 |
| PL4376 | PVC DN 110  | 101,60 | 99,03  | PC4329 | PC4315 |
| PL4377 | PVC DN 110  | 101,60 | 159,58 | PC4331 | PC4329 |
| PL4378 | PVC DN 110  | 101,60 | 49,20  | PC4329 | PC4330 |
| PL4379 | PVC DN 110  | 101,60 | 30,33  | PC4331 | PC4332 |
| PL438  | PEHD DN 160 | 141,00 | 448,91 | PC411  | PC432  |
| PL4380 | PEHD DN 63  | 55,40  | 50,78  | PC4332 | PC4333 |
| PL4381 | PVC DN 110  | 101,60 | 185,01 | PC4322 | PC4331 |
| PL4382 | PVC DN 160  | 147,60 | 111,97 | PC4334 | PC4327 |
| PL4383 | PVC DN 110  | 101,60 | 125,80 | PC4335 | PC4315 |
| PL4384 | PVC DN 110  | 101,60 | 59,82  | PC4335 | PC4336 |
| PL4385 | PVC DN 110  | 101,60 | 19,36  | PC4337 | PC4335 |
| PL4386 | PVC DN 110  | 101,60 | 195,99 | PC4326 | PC4338 |
| PL4387 | PVC DN 110  | 101,60 | 196,62 | PC4338 | PC4345 |
| PL4388 | PVC DN 110  | 101,60 | 176,48 | PC4339 | PC4338 |
| PL4389 | PVC DN 110  | 101,60 | 100,12 | PC4339 | PC4340 |
| PL439  | PVC DN 110  | 101,60 | 262,73 | PC425  | PC431  |
| PL4390 | PVC DN 110  | 101,60 | 167,84 | PC4341 | PC4339 |
| PL4391 | PVC DN 160  | 147,60 | 131,11 | PC4345 | PC4341 |
| PL4392 | PVC DN 160  | 147,60 | 119,65 | PC4345 | PC4334 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Stranica:<br>349/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |  | Nadnevak:<br>17.11. 2009.   |

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|----------------------------------|---------------|--------|--------|--------|--------|
| PL4393                           | PEHD DN 63    | 55,40  | 65,05  | PC4334 | PC4346 |
| PL4394                           | PEHD DN 63    | 55,40  | 171,40 | PC4347 | PC4348 |
| PL4395                           | PVC DN 110    | 101,60 | 79,87  | PC4349 | PC4348 |
| PL4396                           | PVC DN 110    | 101,60 | 68,51  | PC4349 | PC4337 |
| PL4397                           | PVC DN 110    | 101,60 | 131,61 | PC4348 | PC4350 |
| PL4398                           | PEHD DN 32    | 28,20  | 11,60  | PC4350 | PC4351 |
| PL4399                           | PEHD DN 110   | 98,60  | 39,45  | PC4350 | PC4352 |
| PL44_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 32,53  | PC44   | PC42   |
| PL440                            | PEHD DN 110   | 96,80  | 47,22  | PC432  | PC431  |
| PL4400                           | PVC DN 110    | 101,60 | 32,98  | PC4352 | PC4353 |
| PL4401                           | PEHD DN 32    | 28,20  | 8,45   | PC4353 | PC4354 |
| PL4402                           | PVC DN 110    | 101,60 | 57,19  | PC4353 | PC4355 |
| PL4403                           | PVC DN 160    | 147,60 | 164,26 | PC4343 | PC4355 |
| PL4404                           | PVC DN 160    | 147,60 | 103,89 | PC4341 | PC4343 |
| PL4405                           | PVC DN 110    | 101,60 | 79,10  | PC4343 | PC4344 |
| PL4406                           | PVC DN 160    | 147,60 | 172,49 | PC4360 | PC4355 |
| PL4407                           | PVC DN 110    | 101,60 | 93,55  | PC4352 | PC4356 |
| PL4408                           | PEHD DN 32    | 28,20  | 7,69   | PC4357 | PC4356 |
| PL4409                           | PVC DN 110    | 101,60 | 28,84  | PC4356 | PC4358 |
| PL441                            | PVC DN 110    | 101,60 | 239,09 | PC431  | PC433  |
| PL4410                           | PEHD DN 32    | 28,20  | 7,76   | PC4358 | PC4359 |
| PL4411                           | PVC DN 110    | 101,60 | 109,05 | PC4358 | PC4360 |
| PL4412                           | PVC DN 160    | 147,60 | 34,07  | PC4360 | PC4361 |
| PL4413                           | PVC DN 160    | 147,60 | 38,88  | PC4361 | PC4362 |
| PL4414                           | PEHD DN 63    | 55,40  | 14,30  | PC4363 | PC4362 |
| PL4415                           | PEHD DN 63    | 55,40  | 40,16  | PC4363 | PC4364 |
| PL4416                           | PEHD DN 63    | 55,40  | 29,49  | PC4361 | PC4364 |
| PL4417                           | PEHD DN 63    | 55,40  | 35,16  | PC4364 | PC4365 |
| PL4418                           | PVC DN 225    | 207,80 | 299,67 | PC4341 | PC4342 |
| PL4419                           | DUCTIL DN 200 | 199,40 | 211,56 | PC4342 | PC4366 |
| PL442                            | PEHD DN 225   | 198,20 | 780,60 | PC434  | PC388  |
| PL4420                           | PVC DN 225    | 207,80 | 658,18 | PC4366 | PC4367 |
| PL4421                           | PEHD DN 63    | 55,40  | 23,77  | PC4363 | PC4368 |
| PL4422                           | PVC DN 160    | 147,60 | 105,93 | PC4362 | PC4504 |
| PL4423                           | PVC DN 110    | 101,60 | 39,61  | PC4504 | PC4370 |
| PL4424                           | PVC DN 110    | 101,60 | 70,43  | PC4370 | PC4372 |
| PL4425                           | PVC DN 110    | 101,60 | 45,80  | PC4370 | PC4371 |
| PL4426                           | PVC DN 160    | 147,60 | 86,50  | PC4504 | PC4373 |
| PL4427                           | PVC DN 110    | 101,60 | 100,73 | PC4373 | PC4374 |
| PL4428                           | PVC DN 110    | 101,60 | 237,94 | PC4374 | PC4376 |
| PL4429                           | PVC DN 110    | 101,60 | 123,46 | PC4376 | PC4377 |
| PL443                            | DUCTIL DN 300 | 300,00 | 286,59 | PC434  | PC435A |
| PL4430                           | PVC DN 110    | 101,60 | 72,46  | PC4376 | PC4378 |
| PL4431                           | PVC DN 160    | 147,60 | 159,35 | PC4376 | PC4375 |
| PL4432                           | PVC DN 160    | 147,60 | 203,76 | PC4373 | PC4375 |
| PL4433                           | PVC DN 110    | 101,60 | 93,89  | PC4375 | PC4379 |
| PL4434                           | PVC DN 110    | 101,60 | 180,20 | PC4385 | PC4379 |
| PL4435                           | PVC DN 110    | 101,60 | 27,00  | PC4379 | PC4380 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>350/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |         |         |         |
|---------|---------------|--------|---------|---------|---------|
| PL4436  | PVC DN 110    | 101,60 | 34,70   | PC4380  | PC4381  |
| PL4437  | PVC DN 110    | 101,60 | 169,99  | PC4380  | PC4349  |
| PL4438  | PVC DN 110    | 101,60 | 138,69  | PC4337  | PC4382  |
| PL4439  | PVC DN 110    | 101,60 | 65,93   | PC4382  | PC4383  |
| PL444   | DUCTIL DN 300 | 300,00 | 317,84  | PC436   | PC435   |
| PL4440  | PVC DN 110    | 101,60 | 47,99   | PC4382  | PC4384  |
| PL4441  | PVC DN 160    | 147,60 | 97,83   | PC4384  | PC4385  |
| PL4442  | PVC DN 110    | 101,60 | 69,55   | PC4385  | PC4386  |
| PL4443  | PVC DN 160    | 147,60 | 161,51  | PC4385  | PC4387  |
| PL4444  | PVC DN 110    | 101,60 | 134,41  | PC4387  | PC4388  |
| PL4445  | PVC DN 160    | 147,60 | 124,67  | PC4387  | PC4375  |
| PL4446  | PVC DN 110    | 101,60 | 241,95  | PC4389  | PC4374  |
| PL4447  | PEHD DN 90    | 79,20  | 2049,93 | PC4390  | PC4389  |
| PL4448  | PEHD DN 90    | 79,20  | 1704,99 | PC4391  | PC4390  |
| PL4449  | PEHD DN 63    | 55,40  | 124,29  | PC4392  | PC4393  |
| PL4449A | PEHD DN 63    | 55,40  | 3,99    | PC4392A | PC4392  |
| PL445   | PVC DN 110    | 101,60 | 112,69  | PC436   | PC437   |
| PL4450  | DUCTIL DN 250 | 250,40 | 447,14  | PC4394  | PC4392  |
| PL4450A | PVC DN 110    | 101,60 | 448,20  | PC4394A | PC4392A |
| PL4451  | DUCTIL DN 250 | 250,40 | 77,23   | PC4395  | PC4394  |
| PL4452  | PVC DN 250    | 250,40 | 59,39   | PC4395A | PC4395  |
| PL4453  | PEHD DN 160   | 141,00 | 254,47  | PC4395A | PC4396  |
| PL4454  | DUCTIL DN 250 | 250,40 | 336,62  | PC4397  | PC4395A |
| PL4455  | PVC DN 110    | 101,60 | 261,16  | PC4397  | PC4398  |
| PL4456  | DUCTIL DN 250 | 250,40 | 99,93   | PC4399  | PC4397  |
| PL4457  | DUCTIL DN 250 | 250,40 | 1052,56 | PC4400  | PC4399  |
| PL4458  | DUCTIL DN 250 | 250,40 | 580,94  | PC4401  | PC4400  |
| PL4459  | DUCTIL DN 250 | 250,40 | 562,84  | PC4402  | PC4401  |
| PL446   | DUCTIL DN 300 | 300,00 | 126,72  | PC438   | PC436A  |
| PL4460  | PEHD DN 225   | 198,20 | 40,47   | PC4403  | PC4402  |
| PL4461  | PEHD DN 225   | 198,20 | 39,51   | PC4403  | PC4404  |
| PL4462  | PVC DN 225    | 198,20 | 302,90  | PC4405  | PC4403  |
| PL4463  | DUCTIL DN 250 | 250,40 | 384,98  | PC4425  | PC4402  |
| PL4464  | DUCTIL DN 250 | 250,40 | 44,10   | PC4402  | PC4406  |
| PL4465  | PEHD DN 110   | 96,80  | 30,86   | PC4407  | PC4410  |
| PL4466  | PVC DN 110    | 101,60 | 297,62  | PC4420  | PC4410  |
| PL4467  | DUCTIL DN 250 | 250,40 | 59,32   | PC4406  | PC4408  |
| PL4467A | PEHD DN 110   | 96,80  | 44,38   | PC4408  | PC4407  |
| PL4468  | PVC DN 110    | 101,60 | 15,92   | PC4408  | PC4409  |
| PL4469  | PVC DN 110    | 101,60 | 175,87  | PC4411  | PC4409  |
| PL447   | PVC DN 110    | 101,60 | 115,23  | PC438   | PC439   |
| PL4470  | PVC DN 110    | 101,60 | 150,78  | PC4429  | PC4411  |
| PL4471  | PVC DN 110    | 101,60 | 81,88   | PC4412  | PC4411  |
| PL4472  | PVC DN 110    | 101,60 | 438,67  | PC4409  | PC4426  |
| PL4473  | PVC DN 110    | 101,60 | 100,86  | PC4413  | PC4408  |
| PL4474  | PVC DN 110    | 101,60 | 182,09  | PC4409  | PC4414  |
| PL4475  | PVC DN 110    | 101,60 | 207,72  | PC4413  | PC4415  |
| PL4476  | PVC DN 110    | 101,60 | 158,46  | PC4414  | PC4416  |
| PL4478  | PVC DN 110    | 101,60 | 114,54  | PC4415  | PC4417  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>351/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |               |        |        |         |         |
|---------|---------------|--------|--------|---------|---------|
| PL4479  | PVC DN 110    | 101,60 | 104,26 | PC4418  | PC4416  |
| PL448   | PEHD DN 63    | 55,40  | 105,82 | PC439   | PC440   |
| PL4480  | PVC DN 110    | 101,60 | 320,80 | PC4430  | PC4414  |
| PL4481  | PVC DN 110    | 101,60 | 278,76 | PC4416  | PC4431A |
| PL4482  | PVC DN 110    | 101,60 | 281,44 | PC4415  | PC4419  |
| PL4483  | PVC DN 110    | 101,60 | 244,63 | PC4419  | PC4413  |
| PL4484  | PVC DN 110    | 101,60 | 89,50  | PC4419  | PC4420  |
| PL4485  | PVC DN 110    | 101,60 | 135,74 | PC4420  | PC4421  |
| PL4486  | PVC DN 110    | 101,60 | 106,83 | PC4421  | PC4422  |
| PL4487  | PEHD DN 63    | 55,40  | 64,29  | PC4422  | PC4424  |
| PL4488  | PEHD DN 63    | 55,40  | 64,26  | PC4422  | PC4423  |
| PL4489  | DUCTIL DN 250 | 250,40 | 39,42  | PC4426  | PC4425  |
| PL449   | PVC DN 110    | 101,60 | 40,29  | PC439   | PC441   |
| PL4490  | DUCTIL DN 250 | 250,40 | 88,04  | PC4427  | PC4426  |
| PL4490A | PEHD DN 110   | 96,80  | 88,23  | PC4426  | PC4427  |
| PL4491  | PVC DN 110    | 101,60 | 149,27 | PC4445  | PC4427  |
| PL4492  | DUCTIL DN 250 | 250,40 | 152,38 | PC4428  | PC4427  |
| PL4492A | PEHD DN 110   | 96,80  | 152,40 | PC4427  | PC4428A |
| PL4493  | PVC DN 160    | 147,60 | 152,49 | PC4444  | PC4428  |
| PL4493A | PVC DN 160    | 147,60 | 0,28   | PC4428  | PC4428A |
| PL4494  | PVC DN 160    | 147,60 | 136,97 | PC4443  | PC4444  |
| PL4495  | PVC DN 110    | 101,60 | 154,51 | PC4444  | PC4445  |
| PL4496  | PVC DN 110    | 101,60 | 101,76 | PC4446  | PC4445  |
| PL4497  | DUCTIL DN 250 | 250,40 | 128,92 | PC4428  | PC4430  |
| PL4497A | PEHD DN 110   | 96,80  | 30,61  | PC4428A | PC4429  |
| PL4497B | PEHD DN 110   | 96,80  | 97,93  | PC4429  | PC4430  |
| PL4498  | PVC DN 110    | 101,60 | 288,92 | PC4430  | PC4442  |
| PL4499  | DUCTIL DN 250 | 250,40 | 155,57 | PC4431  | PC4430  |
| PL4499A | PEHD DN 110   | 96,80  | 155,48 | PC4430  | PC4431A |
| PL45    | PEHD DN 32    | 28,20  | 208,93 | PC44    | PC45    |
| PL450   | DUCTIL DN 300 | 300,00 | 201,85 | PC442   | PC438   |
| PL4500  | PVC DN 110    | 101,60 | 240,47 | PC4440  | PC4431  |
| PL4500A | PVC DN 110    | 101,60 | 0,49   | PC4431  | PC4431A |
| PL4501  | DUCTIL DN 250 | 250,40 | 184,26 | PC4432  | PC4431  |
| PL4501A | PEHD DN 110   | 96,80  | 179,79 | PC4431A | PC4433  |
| PL4502  | DUCTIL DN 250 | 250,40 | 19,04  | PC4434  | PC4432  |
| PL4503  | PEHD DN 225   | 207,80 | 58,65  | PC4434  | PC4458  |
| PL4504  | PVC DN 160    | 147,60 | 63,98  | PC4435  | PC4432  |
| PL4505  | PVC DN 110    | 101,60 | 104,27 | PC4435  | PC4436  |
| PL4506  | PVC DN 160    | 147,60 | 98,54  | PC4435  | PC4437  |
| PL4507  | PEHD DN 160   | 141,00 | 89,38  | PC4454  | PC4437  |
| PL4508  | PVC DN 160    | 147,60 | 77,83  | PC4437  | PC4438  |
| PL4509  | PVC DN 160    | 147,60 | 397,57 | PC4438  | PC4439  |
| PL451   | PEHD DN 280   | 246,80 | 431,84 | PC445   | PC442   |
| PL4510  | PVC DN 110    | 101,60 | 163,57 | PC4438  | PC4440  |
| PL4511  | PVC DN 110    | 101,60 | 219,57 | PC4440  | PC4441  |
| PL4512  | PVC DN 110    | 101,60 | 163,45 | PC4442  | PC4440  |
| PL4513  | PVC DN 160    | 147,60 | 154,68 | PC4443  | PC4442  |
| PL4514  | PEHD DN 110   | 96,80  | 358,31 | PC4443  | PC4447  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |   |                           |
|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>352/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|         |             |        |         |         |         |
|---------|-------------|--------|---------|---------|---------|
| PL4515  | PVC DN 160  | 147,60 | 284,74  | PC4442  | PC4448  |
| PL4516  | PVC DN 110  | 101,60 | 979,68  | PC4448  | PC4449  |
| PL4517  | PVC DN 160  | 147,60 | 115,14  | PC4451  | PC4450  |
| PL4518  | PVC DN 160  | 147,60 | 385,95  | PC4451  | PC4470  |
| PL4519  | PVC DN 160  | 147,60 | 548,87  | PC4470  | PC4471  |
| PL451A  | PEHD DN 110 | 96,80  | 290,64  | PC443   | PC442   |
| PL451B  | PEHD DN 110 | 96,80  | 140,99  | PC445   | PC443   |
| PL4520  | PVC DN 160  | 147,60 | 219,23  | PC4471  | PC4462  |
| PL4521  | PVC DN 110  | 101,60 | 212,13  | PC4464  | PC4463  |
| PL4522  | PVC DN 110  | 101,60 | 392,43  | PC4468  | PC4464  |
| PL4523  | PVC DN 160  | 147,60 | 183,47  | PC4452  | PC4451  |
| PL4524  | PVC DN 110  | 101,60 | 159,88  | PC4452  | PC4453  |
| PL4525  | PVC DN 160  | 147,60 | 300,16  | PC4454  | PC4452  |
| PL4526  | PVC DN 160  | 147,60 | 130,32  | PC4457  | PC4454  |
| PL4527  | PVC DN 110  | 101,60 | 197,65  | PC4457  | PC4456  |
| PL4528  | PVC DN 160  | 147,60 | 48,73   | PC4458  | PC4457  |
| PL4529  | PVC DN 225  | 207,80 | 196,91  | PC4459  | PC4458  |
| PL4529A | PVC DN 110  | 101,60 | 210,34  | PC4459  | PC4458  |
| PL453   | PEHD DN 280 | 246,80 | 187,96  | PC446A  | PC445   |
| PL4530  | PVC DN 110  | 101,60 | 254,00  | PC4469  | PC4459  |
| PL4531  | PVC DN 225  | 207,80 | 20,66   | PC4459  | PC4459A |
| PL4532  | PVC DN 225  | 207,80 | 156,71  | PC4460  | PC4459A |
| PL4532A | PVC DN 110  | 101,60 | 157,03  | PC4459A | PC4460  |
| PL4533  | PVC DN 225  | 207,80 | 201,33  | PC4468  | PC4460  |
| PL4533A | PVC DN 110  | 101,60 | 201,38  | PC4460  | PC4468  |
| PL4534  | PVC DN 225  | 207,80 | 110,76  | PC4467  | PC4468  |
| PL4534A | PVC DN 110  | 101,60 | 111,25  | PC4467  | PC4468  |
| PL4535  | PVC DN 110  | 101,60 | 326,39  | PC4467  | PC4465  |
| PL4536  | PVC DN 110  | 101,60 | 223,86  | PC4465  | PC4464  |
| PL4537  | PVC DN 110  | 101,60 | 314,87  | PC4465  | PC4466  |
| PL4538  | PVC DN 225  | 207,80 | 673,38  | PC4475  | PC4467  |
| PL4538A | PVC DN 110  | 101,60 | 673,93  | PC4475  | PC4467  |
| PL4539  | PVC DN 110  | 101,60 | 396,06  | PC4460  | PC4473  |
| PL453A  | PEHD DN 110 | 96,80  | 187,96  | PC446   | PC445   |
| PL454   | PEHD DN 110 | 96,80  | 11,94   | PC446   | PC447   |
| PL4540  | PVC DN 110  | 101,60 | 279,80  | PC4473  | PC4475  |
| PL4541  | PVC DN 110  | 101,60 | 118,28  | PC4473  | PC4472  |
| PL4542  | PVC DN 110  | 101,60 | 348,34  | PC4472  | PC4459A |
| PL4543  | PVC DN 110  | 101,60 | 225,00  | PC4474  | PC4472  |
| PL4544  | PVC DN 110  | 101,60 | 169,76  | PC4476  | PC4475  |
| PL4545  | PEHD DN 90  | 79,20  | 1951,33 | PC4476  | PC4477  |
| PL4546  | PEHD DN 90  | 79,20  | 2176,29 | PC4477  | PC4478  |
| PL4547  | PVC DN 160  | 147,60 | 360,02  | PC4479  | PC4450  |
| PL4548  | PVC DN 160  | 147,60 | 214,35  | PC44820 | PC4479  |
| PL4549  | PVC DN 110  | 101,60 | 101,77  | PC44820 | PC4481  |
| PL455   | PEHD DN 280 | 246,80 | 199,51  | PC448   | PC446A  |
| PL4550  | PVC DN 160  | 147,60 | 383,35  | PC4492  | PC44820 |
| PL4551  | PVC DN 110  | 101,60 | 339,79  | PC4481  | PC4482  |
| PL4552  | PVC DN 110  | 101,60 | 227,87  | PC4482  | PC4492  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>353/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                              |             |        |        |        |         |
|------------------------------|-------------|--------|--------|--------|---------|
| PL4553                       | PVC DN 160  | 147,60 | 96,21  | PC4491 | PC4492  |
| PL4554                       | PVC DN 110  | 101,60 | 154,93 | PC4483 | PC4482  |
| PL4555                       | PVC DN 110  | 101,60 | 82,73  | PC4484 | PC4483  |
| PL4556                       | PVC DN 110  | 101,60 | 36,96  | PC4485 | PC4483  |
| PL4557                       | PVC DN 110  | 101,60 | 97,05  | PC4486 | PC4485  |
| PL4558                       | PVC DN 110  | 101,60 | 109,65 | PC4487 | PC4485  |
| PL4559                       | PVC DN 110  | 101,60 | 226,60 | PC4491 | PC4487  |
| PL455A                       | PEHD DN 110 | 96,80  | 199,51 | PC448A | PC446   |
| PL456                        | PEHD DN 110 | 96,80  | 10,91  | PC448A | PC449   |
| PL4560                       | PVC DN 110  | 101,60 | 65,95  | PC4488 | PC4487  |
| PL4561                       | PVC DN 110  | 101,60 | 220,88 | PC4488 | PC4489  |
| PL4562                       | PVC DN 110  | 101,60 | 94,92  | PC4489 | PC4490  |
| PL4563                       | PVC DN 160  | 147,60 | 26,57  | PC4490 | PC4491  |
| PL4564                       | PVC DN 160  | 147,60 | 48,53  | PC4493 | PC4490  |
| PL4565                       | PVC DN 110  | 101,60 | 150,24 | PC4493 | PC4494  |
| PL4566                       | PVC DN 110  | 101,60 | 28,28  | PC4494 | PC4496  |
| PL4567                       | PVC DN 110  | 101,60 | 50,28  | PC4494 | PC4495  |
| PL4568                       | PVC DN 160  | 147,60 | 87,78  | PC4497 | PC4493  |
| PL4569                       | PVC DN 110  | 101,60 | 97,70  | PC4498 | PC4497  |
| PL457                        | PEHD DN 280 | 246,80 | 158,39 | PC450  | PC448   |
| PL4570                       | PVC DN 110  | 101,60 | 115,98 | PC4498 | PC4499  |
| PL4571                       | PVC DN 110  | 101,60 | 169,90 | PC4500 | PC4498  |
| PL4572                       | PVC DN 110  | 101,60 | 126,64 | PC4500 | PC4501  |
| PL4573                       | PVC DN 110  | 101,60 | 145,99 | PC4450 | PC4500  |
| PL4574                       | PVC DN 110  | 101,60 | 62,60  | PC4489 | PC4503  |
| PL4575                       | PVC DN 110  | 101,60 | 361,20 | PC4463 | PC4503  |
| PL4576                       | PVC DN 110  | 101,60 | 108,15 | PC4503 | PC4502  |
| PL4577                       | PVC DN 110  | 101,60 | 93,45  | PC4502 | PC4462  |
| PL4578                       | PVC DN 110  | 101,60 | 122,27 | PC4502 | PC4502A |
| PL4579                       | PVC DN 160  | 147,60 | 142,22 | PC4135 | PC4125  |
| PL457A                       | PEHD DN 110 | 96,80  | 158,39 | PC450  | PC448A  |
| PL458                        | PEHD DN 160 | 141,00 | 528,38 | PC432  | PC451   |
| PL4580                       | PVC DN 110  | 101,60 | 45,48  | PC4091 | PC4089  |
| PL4581                       | PVC DN 225  | 207,80 | 20,66  | PC4459 | PC4459A |
| PL4582                       | PEHD DN 110 | 98,60  | 156,92 | PC4218 | PC4219  |
| PL4583                       | PVC DN 160  | 147,60 | 86,25  | PC4223 | PC4214  |
| PL4584                       | PVC DN 160  | 147,60 | 61,51  | PC4462 | PC4497  |
| PL4585                       | PVC DN 110  | 101,60 | 60,73  | PC4182 | PC4183  |
| PL459                        | PEHD DN 280 | 246,80 | 310,21 | PC452  | PC450   |
| PL46_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 246,66 | PC46   | PC44    |
| PL460                        | PEHD DN 110 | 96,80  | 563,19 | PC436  | PC453   |
| PL461                        | PVC DN 110  | 101,60 | 93,60  | PC453  | PC454   |
| PL462                        | PVC DN 110  | 101,60 | 118,81 | PC455  | PC453   |
| PL463                        | PVC DN 160  | 147,60 | 108,65 | PC442  | PC455A  |
| PL464                        | PVC DN 160  | 147,60 | 99,27  | PC455  | PC456   |
| PL465                        | PVC DN 110  | 101,60 | 293,89 | PC456  | PC457   |
| PL466                        | PVC DN 160  | 147,60 | 132,62 | PC456  | PC458   |
| PL467                        | PVC DN 110  | 101,60 | 521,18 | PC458  | PC459   |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>354/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                  |             |        |         |        |        |
|----------------------------------|-------------|--------|---------|--------|--------|
| PL468                            | PVC DN 110  | 101,60 | 266,52  | PC458  | PC460  |
| PL469                            | PEHD DN 32  | 28,20  | 61,78   | PC458  | PC461  |
| PL47                             | PEHD DN 32  | 28,20  | 204,09  | PC46   | PC47   |
| PL470                            | PVC DN 110  | 101,60 | 50,73   | PC458  | PC462  |
| PL471                            | PVC DN 110  | 101,60 | 1411,25 | PC462  | PC463  |
| PL472                            | PVC DN 110  | 101,60 | 74,27   | PC463  | PC464  |
| PL473                            | PEHD DN 63  | 55,40  | 16,55   | PC463  | PC465  |
| PL474                            | PEHD DN 63  | 55,40  | 160,16  | PC465  | PC466  |
| PL475                            | PEHD DN 63  | 55,40  | 42,66   | PC465  | PC467  |
| PL476                            | PEHD DN 63  | 55,40  | 67,56   | PC467  | PC468  |
| PL477                            | PEHD DN 63  | 55,40  | 112,34  | PC467  | PC469  |
| PL478                            | PVC DN 110  | 101,60 | 294,33  | PC470  | PC445  |
| PL479                            | PEHD DN 110 | 96,80  | 225,39  | PC471  | PC470  |
| PL48_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 651,97  | PC48   | PC46   |
| PL480                            | PEHD DN 110 | 96,80  | 11,76   | PC471  | PC472  |
| PL481                            | PEHD DN 110 | 96,80  | 64,79   | PC473  | PC471  |
| PL482                            | PEHD DN 110 | 96,80  | 15,72   | PC473  | PC474  |
| PL483                            | PEHD DN 110 | 96,80  | 171,65  | PC450  | PC473  |
| PL484                            | PVC DN 110  | 101,60 | 22,17   | PC443  | PC443A |
| PL485                            | PEHD DN 110 | 96,80  | 84,58   | PC443A | PC444  |
| PL486                            | PVC DN 63   | 57,00  | 362,63  | PC477  | PC475  |
| PL487                            | PVC DN 63   | 57,00  | 393,73  | PC477  | PC476  |
| PL488                            | PVC DN 110  | 101,60 | 865,30  | PC478  | PC477  |
| PL489                            | PVC DN 110  | 101,60 | 1057,98 | PC482  | PC479  |
| PL49                             | PVC DN 160  | 147,60 | 273,80  | PC48   | PC49   |
| PL490                            | PVC DN 63   | 57,00  | 183,00  | PC479  | PC480  |
| PL491                            | PVC DN 110  | 101,60 | 261,08  | PC479  | PC481  |
| PL492                            | PVC DN 110  | 101,60 | 84,21   | PC478  | PC482A |
| PL493                            | PVC DN 110  | 101,60 | 244,48  | PC483  | PC478  |
| PL494                            | PVC DN 63   | 57,00  | 151,57  | PC483  | PC484  |
| PL495                            | PVC DN 63   | 57,00  | 179,20  | PC484  | PC485  |
| PL496                            | PVC DN 63   | 57,00  | 129,92  | PC484  | PC486  |
| PL497                            | PVC DN 63   | 57,00  | 60,83   | PC486  | PC487  |
| PL498                            | PVC DN 63   | 57,00  | 152,37  | PC486  | PC488  |
| PL499                            | PVC DN 110  | 101,60 | 167,89  | PC489  | PC483  |
| PL5                              | PEHD DN 50  | 44,00  | 280,98  | PC5A   | PC6    |
| PL50                             | PEHD DN 63  | 55,40  | 868,95  | PC49   | PC50   |
| PL500                            | PVC DN 110  | 101,60 | 382,65  | PC489  | PC490A |
| PL500A                           | PVC DN 110  | 101,60 | 309,74  | PC490B | PC490  |
| PL501                            | PVC DN 110  | 101,60 | 620,09  | PC490  | PC491  |
| PL502                            | PVC DN 110  | 101,60 | 184,28  | PC492  | PC492A |
| PL502A                           | PVC DN 110  | 101,60 | 626,38  | PC492B | PC489  |
| PL503                            | PVC DN 110  | 101,60 | 154,76  | PC492  | PC493  |
| PL504                            | PVC DN 110  | 101,60 | 490,80  | PC493  | PC494  |
| PL505                            | PVC DN 63   | 57,00  | 238,07  | PC493  | PC495  |
| PL506                            | PVC DN 63   | 57,00  | 136,04  | PC495  | PC496  |
| PL507                            | PVC DN 63   | 57,00  | 86,09   | PC495  | PC497  |
| PL508                            | PVC DN 110  | 101,60 | 794,43  | PC498  | PC492  |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>355/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                |               |        |         |        |       |
|--------------------------------|---------------|--------|---------|--------|-------|
| PL509                          | PEHD DN 32    | 28,20  | 129,95  | PC498  | PC499 |
| PL51                           | PVC DN 160    | 147,60 | 453,45  | PC49   | PC51  |
| PL510                          | PVC DN 110    | 101,60 | 837,23  | PC500  | PC498 |
| PL511                          | PEHD DN 75    | 66,00  | 575,14  | PC500  | PC501 |
| PL512                          | PEHD DN 63    | 55,40  | 279,24  | PC501  | PC503 |
| PL513                          | PEHD DN 63    | 55,40  | 127,56  | PC501  | PC502 |
| PL514                          | PVC DN 110    | 101,60 | 485,77  | PC504  | PC500 |
| PL515                          | PVC DN 110    | 101,60 | 191,00  | PC504  | PC505 |
| PL516                          | PVC DN 110    | 101,60 | 143,00  | PC506  | PC504 |
| PL517                          | PVC DN 110    | 101,60 | 290,23  | PC506A | PC507 |
| PL518                          | PEHD DN 160   | 141,00 | 538,25  | PC507  | PC508 |
| PL519                          | PVC DN 110    | 101,60 | 521,16  | PC507  | PC509 |
| PL52                           | PEHD DN 50    | 44,00  | 1367,05 | PC51   | PC52  |
| PL520                          | PEHD DN 160   | 141,00 | 19,69   | PC506  | PC510 |
| PL521                          | PEHD DN 160   | 141,00 | 6,28    | PC510  | PC511 |
| PL522                          | PEHD DN 160   | 141,00 | 8,13    | PC510  | PC512 |
| PL523                          | DUCTIL DN 250 | 250,00 | 282,22  | PC513  | PC512 |
| PL524                          | DUCTIL DN 250 | 250,00 | 97,81   | PC515  | PC513 |
| PL524A_rekonstrukc_Vodoprojekt | PEHD DN 225   | 198,20 | 105,34  | PC515  | PC514 |
| PL525                          | DUCTIL DN 250 | 250,00 | 156,45  | PC516  | PC515 |
| PL526                          | DUCTIL DN 250 | 250,00 | 481,21  | PC528  | PC516 |
| PL527                          | PVC DN 110    | 101,60 | 398,77  | PC526  | PC527 |
| PL528                          | PVC DN 110    | 101,60 | 4,85    | PC528  | PC527 |
| PL529                          | DUCTIL DN 250 | 250,00 | 302,28  | PC529  | PC528 |
| PL53                           | PVC DN 160    | 147,60 | 414,42  | PC51   | PC53  |
| PL530                          | DUCTIL DN 250 | 250,00 | 589,03  | PC531  | PC529 |
| PL531                          | PVC DN 110    | 101,60 | 207,28  | PC531  | PC530 |
| PL532                          | PVC DN 50     | 45,00  | 491,06  | PC531  | PC532 |
| PL533                          | PEHD DN 90    | 79,20  | 530,41  | PC532  | PC533 |
| PL534                          | PVC DN 110    | 101,60 | 171,96  | PC532  | PC534 |
| PL535                          | PEHD DN 90    | 79,20  | 391,26  | PC534  | PC535 |
| PL536                          | PEHD DN 90    | 79,20  | 138,17  | PC534  | PC536 |
| PL537                          | PVC DN 110    | 101,60 | 221,79  | PC536A | PC537 |
| PL538                          | PVC DN 110    | 101,60 | 768,52  | PC537A | PC538 |
| PL539                          | PEHD DN 110   | 98,60  | 164,02  | PC531  | PC517 |
| PL539A                         | DUCTIL DN 250 | 250,00 | 159,41  | PC519  | PC531 |
| PL54                           | PVC DN 160    | 147,60 | 310,82  | PC53   | PC54  |
| PL540                          | DUCTIL DN 250 | 250,00 | 461,13  | PC518  | PC519 |
| PL541                          | DUCTIL DN 250 | 250,00 | 504,52  | PC520  | PC518 |
| PL542                          | DUCTIL DN 250 | 250,00 | 299,25  | PC521  | PC520 |
| PL543                          | PVC DN 110    | 101,60 | 3,57    | PC522  | PC523 |
| PL544                          | DUCTIL DN 250 | 250,00 | 4,75    | PC521  | PC523 |
| PL545                          | DUCTIL DN 250 | 250,00 | 0,91    | PC522  | PC521 |
| PL546                          | PVC DN 110    | 101,60 | 50,00   | PC523  | PC524 |
| PL547                          | PVC DN 110    | 101,60 | 200,39  | PC522  | PC525 |
| PL548                          | DUCTIL DN 250 | 250,00 | 461,70  | PC539  | PC522 |
| PL549                          | DUCTIL DN 300 | 300,00 | 470,59  | PC541  | PC539 |
| PL55                           | PVC DN 160    | 147,60 | 55,27   | PC54   | PC55  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>356/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|                                |               |        |         |        |        |
|--------------------------------|---------------|--------|---------|--------|--------|
| PL550                          | PEHD DN 90    | 79,20  | 4,33    | PC542  | PC541  |
| PL551                          | PVC DN 110    | 101,60 | 331,04  | PC542  | PC543  |
| PL552                          | PEHD DN 63    | 55,40  | 108,43  | PC542  | PC544  |
| PL553                          | DUCTIL DN 300 | 300,00 | 183,99  | PC545  | PC541  |
| PL554                          | PEHD DN 63    | 55,40  | 87,85   | PC545  | PC547  |
| PL555                          | PEHD DN 90    | 79,20  | 5,12    | PC545  | PC546  |
| PL556                          | PEHD DN 63    | 55,40  | 67,79   | PC545  | PC548  |
| PL557                          | DUCTIL DN 300 | 300,00 | 344,59  | PC549  | PC545  |
| PL558                          | PEHD DN 90    | 96,80  | 910,84  | PC549  | PC550  |
| PL559                          | DUCTIL DN 300 | 300,00 | 389,86  | PC551  | PC549  |
| PL56                           | PEHD DN 110   | 96,80  | 144,10  | PC54   | PC56   |
| PL560_rekonstrukc_Vodoprojekt  | DUCTIL DN 300 | 300,00 | 58,97   | PC856  | PC551  |
| PL561                          | DUCTIL DN 250 | 250,00 | 239,08  | PC512  | PC552A |
| PL562                          | DUCTIL DN 250 | 250,00 | 549,37  | PC552A | PC554  |
| PL563                          | PEHD DN 110   | 96,80  | 466,39  | PC553  | PC552  |
| PL563A                         | PEHD DN 90    | 96,80  | 72,19   | PC554A | PC553  |
| PL564                          | PV DN C280    | 258,60 | 40,77   | PC554  | PC555  |
| PL565                          | PV DN C280    | 258,60 | 44,00   | PC555  | PC556A |
| PL566A                         | PVC DN 110    | 101,60 | 45,00   | PC556  | PC554A |
| PL566B                         | PVC DN 110    | 101,60 | 46,11   | PC556  | PC557  |
| PL567                          | PVC DN 110    | 101,60 | 187,36  | PC557  | PC558  |
| PL568                          | PVC DN 110    | 101,60 | 668,82  | PC553  | PC559  |
| PL569_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 898,43  | PC514  | PC560  |
| PL57                           | PEHD DN 110   | 96,80  | 82,69   | PC56   | PC57   |
| PL570_rekonstrukc_Vodoprojekt  | PEHD DN 160   | 141,00 | 1661,98 | PC561  | PC675  |
| PL571_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 753,75  | PC560  | PC562  |
| PL573                          | PEHD DN 110   | 96,80  | 615,07  | PC563  | PC564  |
| PL574_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 299,26  | PC563  | PC565  |
| PL575_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 333,74  | PC565  | PC566  |
| PL575A_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 754,80  | PC565  | PC631  |
| PL576                          | PEHD DN 63    | 57,00  | 207,89  | PC566  | PC567  |
| PL577_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 380,53  | PC566  | PC568  |
| PL578                          | PEHD DN 40    | 35,20  | 138,10  | PC568  | PC569  |
| PL579_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 40,88   | PC568  | PC570  |
| PL58                           | PEHD DN 110   | 96,80  | 303,99  | PC56   | PC58   |
| PL580_rekonstrukc_Vodoprojekt  | PEHD DN 110   | 96,80  | 168,19  | 7      | PC571  |
| PL581                          | PEHD DN 40    | 35,20  | 25,29   | PC571  | PC573  |
| PL582                          | PEHD DN 40    | 35,20  | 37,22   | PC571  | PC572  |
| PL583_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 250,58  | PC570A | PC574  |
| PL584_rekonstrukc_Vodoprojekt  | PEHD DN 110   | 96,80  | 466,52  | PC574  | PC575  |
| PL585_rekonstrukc_Vodoprojekt  | PEHD DN 225   | 198,20 | 296,44  | PC574  | PC576  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>357/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                     |             |        |         |        |        |
|---------------------|-------------|--------|---------|--------|--------|
| PL586_rekonstrukc_  | PEHD DN 110 | 96,80  | 319,33  | 8      | PC577  |
| Vodoprojekt         |             |        |         |        |        |
| PL587_rekonstrukc_  | PEHD DN 225 | 198,20 | 268,67  | PC576  | PC578  |
| Vodoprojekt         |             |        |         |        |        |
| PL588               | PEHD DN 63  | 55,40  | 135,81  | PC578  | PC579  |
| PL589_rekonstrukc_  | PEHD DN 225 | 198,20 | 328,14  | PC578  | PC580  |
| Vodoprojekt         |             |        |         |        |        |
| PL59                | PEHD DN 110 | 96,80  | 483,45  | PC58   | PC59   |
| PL590_rekonstrukc_  | PEHD DN 110 | 96,80  | 297,66  | PC580  | PC581  |
| Vodoprojekt         |             |        |         |        |        |
| PL591               | PEHD DN 40  | 35,20  | 80,34   | PC581  | PC582  |
| PL592               | PVC DN 110  | 101,60 | 312,26  | PC581  | PC583  |
| PL593               | PEHD DN 63  | 55,40  | 36,11   | PC583  | PC584  |
| PL594_rekonstrukci_ | PEHD DN 160 | 141,00 | 163,86  | PC580  | PC585  |
| Vodoprojekt         |             |        |         |        |        |
| PL595_rekonstrukc_  | PEHD DN 110 | 96,80  | 354,16  | PC585A | PC586  |
| Vodoprojekt         |             |        |         |        |        |
| PL596_rekonstrukc_  | PEHD DN 160 | 141,00 | 789,82  | PC587A | PC585  |
| Vodoprojekt         |             |        |         |        |        |
| PL597_rekonstrukc_  | PEHD DN 160 | 141,00 | 521,98  | PC587  | PC588  |
| Vodoprojekt         |             |        |         |        |        |
| PL598_rekonstrukc_  | PEHD DN 160 | 141,00 | 138,56  | PC588A | PC589  |
| Vodoprojekt         |             |        |         |        |        |
| PL599_rekonstrukc_  | PEHD DN 160 | 141,00 | 61,12   | PC590  | PC589  |
| Vodoprojekt         |             |        |         |        |        |
| PL6_rekonstrukc_    | PEHD DN 160 | 141,00 | 376,82  | 1      | PC4    |
| Vodoprojekt         |             |        |         |        |        |
| PL60                | PEHD DN 110 | 96,80  | 180,29  | PC58   | PC60   |
| PL600               | PVC DN 110  | 101,60 | 185,57  | PC589  | PC601  |
| PL601               | PEHD DN 63  | 55,40  | 96,88   | PC590  | PC591  |
| PL602_rekonstrukc_  | PEHD DN 160 | 141,00 | 67,85   | PC592  | PC590  |
| Vodoprojekt         |             |        |         |        |        |
| PL603               | PEHD DN 90  | 79,20  | 87,35   | PC593  | PC592  |
| PL604_rekonstrukc_  | PEHD DN 160 | 141,00 | 4,52    | PC594  | PC592  |
| Vodoprojekt         |             |        |         |        |        |
| PL605               | PEHD DN 63  | 55,40  | 146,14  | PC594  | PC595  |
| PL606_rekonstrukc_  | PEHD DN 160 | 141,00 | 1026,16 | PC596  | PC594  |
| Vodoprojekt         |             |        |         |        |        |
| PL607_rekonstrukc_  | PEHD DN 160 | 141,00 | 119,34  | PC597  | PC596  |
| Vodoprojekt         |             |        |         |        |        |
| PL608               | PEHD DN 90  | 79,20  | 171,61  | PC597  | PC598  |
| PL609               | PVC DN 110  | 101,60 | 445,87  | PC599  | PC597  |
| PL61                | PEHD DN 110 | 96,80  | 15,86   | PC61   | PC60   |
| PL610               | PEHD DN 90  | 96,80  | 331,60  | PC599  | PC600  |
| PL611               | PVC DN 110  | 101,60 | 180,33  | PC290  | PC599  |
| PL612               | PVC DN 110  | 101,60 | 661,54  | PC601  | PC602  |
| PL613               | PEHD DN 50  | 45,00  | 156,44  | PC602  | PC603  |
| PL614               | PVC DN 110  | 101,60 | 191,02  | PC602  | PC604  |
| PL615               | PEHD DN 63  | 57,00  | 250,71  | PC604  | PC605  |
| PL616               | PVC DN 110  | 101,60 | 749,59  | PC604  | PC606  |
| PL617               | PVC DN 110  | 101,60 | 561,83  | PC601  | PC607  |
| PL618               | PVC DN 110  | 101,60 | 766,94  | PC607  | PC608  |
| PL619               | PVC DN 110  | 101,60 | 600,05  | PC608  | PC609  |
| PL62                | PEHD DN 110 | 96,80  | 161,20  | PC62   | PC60   |
| PL620               | PVC DN 110  | 101,60 | 293,71  | PC607  | PC607A |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>358/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                    |             |        |        |        |        |
|------------------------------------|-------------|--------|--------|--------|--------|
| PL620A                             | PVC DN 110  | 101,60 | 384,71 | PC608A | PC610  |
| PL621                              | PEHD DN 50  | 44,00  | 285,82 | PC610  | PC611  |
| PL622                              | PVC DN 110  | 101,60 | 187,74 | PC610  | PC612  |
| PL623                              | PVC DN 110  | 101,60 | 172,19 | PC612  | PC613  |
| PL624                              | PVC DN 110  | 101,60 | 125,05 | PC613  | PC614  |
| PL625                              | PVC DN 110  | 101,60 | 385,58 | PC613  | PC615  |
| PL626                              | PVC DN 110  | 101,60 | 647,67 | PC612  | PC616  |
| PL627                              | PEHD DN 90  | 79,20  | 42,06  | PC616  | PC617  |
| PL628                              | PEHD DN 50  | 44,00  | 114,21 | PC617  | PC618  |
| PL629                              | PEHD DN 50  | 44,00  | 141,75 | PC617  | PC619  |
| PL63                               | PEHD DN 110 | 96,80  | 161,38 | PC63   | PC62A  |
| PL630                              | PVC DN 110  | 101,60 | 303,61 | PC620  | PC616  |
| PL630A                             | PVC DN 110  | 101,60 | 31,87  | PC621  | PC620A |
| PL631                              | PVC DN 110  | 101,60 | 952,14 | PC622  | PC621  |
| PL632                              | PVC DN 110  | 101,60 | 63,53  | PC623  | PC622  |
| PL633                              | PVC DN 110  | 101,60 | 70,17  | PC624  | PC623A |
| PL634_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 511,25 | PC625  | PC624  |
| PL635                              | PVC DN 110  | 101,60 | 258,83 | PC625  | PC626  |
| PL636                              | PEHD DN 75  | 66,00  | 443,41 | PC626A | PC627  |
| PL637                              | PVC DN 110  | 101,60 | 773,20 | PC626  | PC628  |
| PL638                              | PVC DN 110  | 101,60 | 192,64 | PC628  | PC629  |
| PL639                              | PVC DN 110  | 101,60 | 227,12 | PC628  | PC630  |
| PL64_rekonstrukc_<br>Vodoprojekt   | PEHD DN 160 | 141,00 | 158,78 | PC53   | PC64   |
| PL640_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 73,96  | PC631  | PC625  |
| PL641                              | PEHD DN 110 | 96,80  | 251,42 | PC631  | PC632  |
| PL642                              | PEHD DN 110 | 96,80  | 549,65 | PC633A | PC634  |
| PL642A                             | PEHD DN 110 | 96,80  | 71,28  | PC633  | PC632  |
| PL643_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 122,28 | PC624  | PC635  |
| PL645_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 121,62 | PC635A | PC636  |
| PL646_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 323,24 | PC636  | PC637  |
| PL647                              | PVC DN 110  | 101,60 | 248,49 | PC637  | PC638  |
| PL648                              | PEHD DN 110 | 96,80  | 56,00  | PC638A | PC639  |
| PL649                              | PEHD DN 90  | 79,20  | 140,27 | PC639  | PC640  |
| PL65                               | PEHD DN 110 | 96,80  | 175,61 | PC65   | PC64   |
| PL650                              | PEHD DN 63  | 55,40  | 635,20 | PC638  | PC641  |
| PL651_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 46,94  | PC637  | PC642  |
| PL652                              | PVC DN 110  | 101,60 | 143,08 | PC642  | PC643  |
| PL653_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 377,26 | PC642  | PC644  |
| PL654A_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 44,54  | PC644B | PC645  |
| PL655                              | PEHD DN 90  | 79,20  | 790,88 | PC645  | PC646  |
| PL656                              | PEHD DN 90  | 79,20  | 663,68 | PC645  | PC647  |
| PL657                              | PEHD DN 90  | 79,20  | 898,60 | PC647  | PC648  |
| PL658_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160 | 141,00 | 484,80 | PC645  | PC649A |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>359/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                               |             |        |        |        |       |
|-------------------------------|-------------|--------|--------|--------|-------|
| PL659                         | PEHD DN 40  | 35,20  | 96,99  | PC649A | PC650 |
| PL66_rekonstrukc_Vodoprojekt  | PEHD DN 160 | 141,00 | 525,83 | PC64   | PC66  |
| PL660_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 115,71 | PC649  | PC651 |
| PL661_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 128,67 | PC653  | PC652 |
| PL662                         | PEHD DN 110 | 96,80  | 271,44 | PC653  | PC654 |
| PL663_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 167,20 | PC655  | PC653 |
| PL664                         | PVC DN 110  | 101,60 | 48,44  | PC655  | PC656 |
| PL665                         | PEHD DN 50  | 44,00  | 69,13  | PC656  | PC657 |
| PL666                         | PVC DN 110  | 101,60 | 72,38  | PC656  | PC658 |
| PL667_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 134,80 | PC659  | PC655 |
| PL668                         | PVC DN 110  | 101,60 | 784,62 | PC659  | PC660 |
| PL669                         | PVC DN 110  | 101,60 | 661,57 | 10     | PC660 |
| PL67                          | PEHD DN 110 | 96,80  | 125,18 | PC67   | PC66  |
| PL670                         | PVC DN 110  | 101,60 | 420,77 | PC661  | PC662 |
| PL671                         | PVC DN 110  | 101,60 | 268,99 | PC661  | PC663 |
| PL672                         | PEHD DN 63  | 55,40  | 288,19 | PC663  | PC664 |
| PL673                         | PVC DN 110  | 101,60 | 233,33 | PC663  | PC665 |
| PL674                         | PEHD DN 110 | 96,80  | 631,63 | PC665  | PC666 |
| PL675_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 98,90  | PC665  | PC667 |
| PL676                         | PEHD DN 63  | 55,40  | 139,69 | PC667  | PC668 |
| PL677_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 549,72 | PC667  | PC669 |
| PL678_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 135,74 | PC669  | PC670 |
| PL679_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 498,28 | PC670A | PC671 |
| PL68_rekonstrukc_Vodoprojekt  | PEHD DN 160 | 141,00 | 205,95 | PC68   | PC66A |
| PL680                         | PEHD DN 63  | 55,40  | 113,27 | PC671  | PC672 |
| PL681_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 421,12 | PC673A | PC671 |
| PL682                         | PEHD DN 63  | 55,40  | 167,63 | PC673  | PC674 |
| PL683_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 155,39 | PC675  | PC673 |
| PL684                         | PEHD DN 63  | 55,40  | 183,57 | PC675  | PC676 |
| PL685                         | PEHD DN 110 | 96,80  | 964,85 | PC562  | PC677 |
| PL686                         | PEHD DN 63  | 55,40  | 364,20 | PC677  | PC678 |
| PL687                         | PEHD DN 63  | 55,40  | 349,52 | PC677A | PC679 |
| PL688                         | PVC DN 160  | 147,60 | 37,22  | PC680  | PC659 |
| PL689                         | PVC DN 160  | 147,60 | 204,09 | PC680  | PC681 |
| PL69                          | PEHD DN 110 | 96,80  | 210,30 | PC69   | PC68  |
| PL690                         | PVC DN 160  | 147,60 | 236,30 | PC681  | PC682 |
| PL691                         | PVC DN 160  | 147,60 | 322,31 | PC682  | PC683 |
| PL692                         | PEHD DN 110 | 96,80  | 458,60 | PC682  | PC684 |
| PL693                         | PEHD DN 110 | 96,80  | 198,64 | PC681  | PC684 |
| PL694                         | PEHD DN 110 | 96,80  | 652,88 | PC684  | PC685 |
| PL695_rekonstrukc_Vodoprojekt | PEHD DN 160 | 141,00 | 221,68 | PC686  | PC680 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>360/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                   |               |        |         |        |        |
|-----------------------------------|---------------|--------|---------|--------|--------|
| PL696                             | PVC DN 110    | 101,60 | 38,81   | PC686  | PC687  |
| PL697                             | PEHD DN 50    | 44,00  | 89,20   | PC687  | PC688  |
| PL698_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 101,62  | PC689  | PC686  |
| PL699                             | PVC DN 110    | 101,60 | 165,72  | PC689  | PC690  |
| PL7                               | PEHD DN 50    | 44,00  | 61,99   | PC7    | PC7B   |
| PL70                              | PEHD DN 110   | 96,80  | 322,39  | PC69   | PC70   |
| PL700_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 395,54  | PC691  | PC689A |
| PL701                             | PVC DN 110    | 101,60 | 102,24  | PC691  | PC692  |
| PL702                             | PVC DN 110    | 101,60 | 296,87  | PC692A | PC694  |
| PL703_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 18,87   | PC693  | PC691  |
| PL704                             | PVC DN 110    | 101,60 | 80,01   | PC694  | PC695  |
| PL705                             | PVC DN 110    | 101,60 | 86,21   | PC695  | PC696  |
| PL706                             | PVC DN 110    | 101,60 | 115,24  | PC695  | PC697  |
| PL707                             | PVC DN 110    | 101,60 | 297,14  | PC697  | PC698  |
| PL708                             | PVC DN 110    | 101,60 | 295,55  | PC697  | PC699  |
| PL709                             | PVC DN 110    | 101,60 | 67,41   | PC694  | PC700  |
| PL71                              | PEHD DN 63    | 55,40  | 100,90  | PC71   | PC69   |
| PL710                             | PVC DN 110    | 101,60 | 32,71   | PC700  | PC701  |
| PL711                             | PVC DN 110    | 101,60 | 154,71  | PC700  | PC702  |
| PL712                             | PVC DN 110    | 101,60 | 383,27  | PC703  | PC721  |
| PL713                             | PVC DN 110    | 101,60 | 8,86    | PC702  | PC704  |
| PL714                             | PVC DN 110    | 101,60 | 121,81  | PC704  | PC705  |
| PL715                             | PVC DN 110    | 101,60 | 267,85  | PC706  | PC707  |
| PL716                             | PVC DN 110    | 101,60 | 325,53  | PC708  | PC707  |
| PL717                             | PVC DN 110    | 101,60 | 241,19  | PC709  | PC707  |
| PL718                             | PVC DN 110    | 101,60 | 420,74  | PC709  | PC710  |
| PL719                             | PVC DN 110    | 101,60 | 574,61  | PC711  | PC709  |
| PL72                              | PEHD DN 32    | 28,20  | 201,75  | PC71   | PC72   |
| PL720                             | PVC DN 110    | 101,60 | 299,16  | PC711  | PC712  |
| PL721                             | PVC DN 110    | 101,60 | 75,32   | PC713  | PC711  |
| PL722                             | PVC DN 110    | 101,60 | 126,88  | PC713  | PC714  |
| PL723                             | PEHD DN 110   | 96,80  | 297,70  | PC715  | PC713  |
| PL724                             | DUCTIL DN 300 | 300,00 | 1347,20 | PC715  | PC434  |
| PL725                             | DUCTIL DN 300 | 300,00 | 575,32  | PC715  | PC716  |
| PL726                             | DUCTIL DN 300 | 300,00 | 713,73  | PC716  | PC717  |
| PL727                             | PEHD DN 160   | 141,00 | 0,58    | PC718  | PC717  |
| PL728                             | PEHD DN 160   | 141,00 | 42,07   | PC718  | PC719  |
| PL729                             | PEHD DN 110   | 96,80  | 39,66   | PC718  | PC720  |
| PL73_rekonstrukc_<br>Vodoprojekt  | PEHD DN 160   | 141,00 | 202,18  | PC68   | PC73   |
| PL730_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 523,78  | PC723  | PC722  |
| PL731                             | PVC DN 50     | 45,00  | 74,88   | PC723  | PC724  |
| PL732_rekonstrukc_<br>Vodoprojekt | PEHD DN 160   | 141,00 | 273,46  | PC725  | PC723  |
| PL733                             | PVC DN 110    | 101,60 | 176,35  | PC725  | PC726  |
| PL734                             | PVC DN 50     | 45,00  | 49,51   | PC726  | PC727  |
| PL735                             | PVC DN 110    | 101,60 | 283,78  | PC726  | PC728  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>361/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|                      |               |        |         |        |        |
|----------------------|---------------|--------|---------|--------|--------|
| PL736_rekonstrukc_   | PEHD DN 160   | 141,00 | 454,02  | PC729  | PC725  |
| Vodoprojekt          |               |        |         |        |        |
| PL737_rekonstrukc_   | PEHD DN 160   | 141,00 | 832,22  | PC730  | PC729  |
| Vodoprojekt          |               |        |         |        |        |
| PL738                | PEHD DN 63    | 55,40  | 558,36  | PC730  | PC731  |
| PL739_rekonstrukc_   | PEHD DN 160   | 141,00 | 489,38  | PC732  | PC730  |
| Vodoprojekt          |               |        |         |        |        |
| PL739A_rekonstrukc_  | PEHD DN 160   | 141,00 | 64,71   | PC733  | PC732A |
| Vodoprojekt          |               |        |         |        |        |
| PL74                 | PEHD DN 110   | 96,80  | 77,49   | PC73   | PC74   |
| PL740_rekonstrukc_   | PEHD DN 160   | 141,00 | 1283,81 | PC734  | PC733  |
| Vodoprojekt          |               |        |         |        |        |
| PL741                | PVC DN 110    | 101,60 | 818,26  | PC734A | PC745  |
| PL742                | PEHD DN 225   | 198,20 | 468,44  | PC539  | PC735  |
| PL743                | PVC DN 225    | 207,80 | 18,34   | PC735  | PC734  |
| PL744_rekonstrukc_   | PEHD DN 225   | 198,20 | 784,18  | PC736A | PC737  |
| Vodoprojekt          |               |        |         |        |        |
| PL744A               | PVC DN 110    | 101,60 | 784,18  | PC736  | PC737  |
| PL746                | PVC DN 110    | 101,60 | 1640,45 | PC735  | PC739  |
| PL747                | PVC DN 110    | 101,60 | 971,23  | PC738  | PC740  |
| PL748_rekonstrukc_   | PEHD DN 225   | 198,20 | 1096,32 | PC738  | PC741  |
| Vodoprojekt          |               |        |         |        |        |
| PL749                | PVC DN 110    | 101,60 | 351,52  | PC741  | PC742  |
| PL75                 | PEHD DN 110   | 96,80  | 61,60   | PC74   | PC75   |
| PL750_rekonstrukc_   | PEHD DN 225   | 198,20 | 974,69  | PC741  | PC743  |
| Vodoprojekt          |               |        |         |        |        |
| PL751                | PVC DN 110    | 101,60 | 1123,31 | PC743  | PC744  |
| PL752A               | PVC DN 225    | 207,80 | 347,41  | PC745  | PC746  |
| PL753                | PVC DN 110    | 101,60 | 151,27  | PC746  | PC747  |
| PL754                | PVC DN 110    | 101,60 | 1204,01 | PC747  | PC748  |
| PL755                | PEHD DN 75    | 66,00  | 460,58  | PC748  | PC749  |
| PL756                | PVC DN 110    | 101,60 | 1196,06 | PC750  | PC752  |
| PL757                | PEHD DN 63    | 55,40  | 89,28   | PC752  | PC753  |
| PL758                | PVC DN 110    | 101,60 | 144,35  | PC754  | PC752  |
| PL759                | PVC DN 110    | 101,60 | 425,53  | PC747  | PC755  |
| PL76                 | PEHD DN 32    | 28,20  | 63,36   | PC76   | PC75   |
| PL760                | PVC DN 110    | 101,60 | 1001,48 | PC755  | PC756  |
| PL761_rekonstrukcija | PEHD DN 225   | 198,20 | 2904,91 | PC735  | PC757A |
| PL762                | DUCTIL DN 300 | 300,00 | 610,59  | PC757  | PC758  |
| PL763                | PVC DN 225    | 207,80 | 236,74  | PC766  | PC758  |
| PL764                | DUCTIL DN 300 | 300,00 | 142,05  | PC758  | PC759  |
| PL765                | PVC DN 110    | 101,60 | 253,76  | PC759  | PC760  |
| PL766                | PVC DN 110    | 101,60 | 88,81   | PC760  | PC761  |
| PL767                | PVC DN 110    | 101,60 | 73,50   | PC762  | PC760  |
| PL768                | PVC DN 110    | 101,60 | 176,70  | PC762  | PC763  |
| PL769                | PVC DN 110    | 101,60 | 453,11  | PC764  | PC762  |
| PL77                 | PEHD DN 110   | 96,80  | 206,20  | PC75   | PC77   |
| PL770                | DUCTIL DN 300 | 300,00 | 417,27  | PC759  | PC765  |
| PL771                | DUCTIL DN 300 | 300,00 | 834,93  | PC718  | PC765  |
| PL772                | PVC DN 225    | 207,80 | 198,60  | PC766  | PC767  |
| PL773                | PVC DN 225    | 207,80 | 367,07  | PC767  | PC768  |
| PL774                | PVC DN 110    | 101,60 | 94,51   | PC768  | PC769  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>362/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|                    |             |        |         |        |        |
|--------------------|-------------|--------|---------|--------|--------|
| PL775              | PVC DN 110  | 101,60 | 456,89  | PC769  | PC767  |
| PL776              | PVC DN 110  | 101,60 | 278,12  | PC769  | PC770  |
| PL777              | PEHD DN 110 | 96,80  | 480,69  | PC766  | PC770  |
| PL778              | PVC DN 160  | 147,60 | 366,41  | PC771  | PC768  |
| PL779              | PVC DN 160  | 147,60 | 623,82  | PC771A | PC772  |
| PL78               | PEHD DN 110 | 96,80  | 225,44  | PC74   | PC78   |
| PL780              | PVC DN 160  | 147,60 | 8,94    | PC773  | PC772  |
| PL781              | PVC DN 110  | 101,60 | 668,32  | PC773  | PC774  |
| PL782              | PVC DN 110  | 101,60 | 147,65  | PC772  | PC775  |
| PL783              | PVC DN 110  | 101,60 | 262,06  | PC776  | PC775  |
| PL784              | PVC DN 110  | 101,60 | 432,22  | PC775  | PC777  |
| PL785              | PVC DN 160  | 147,60 | 111,14  | PC778  | PC773  |
| PL786              | PVC DN 110  | 101,60 | 225,71  | PC779  | PC778  |
| PL787              | PVC DN 160  | 147,60 | 186,30  | PC780  | PC778  |
| PL788              | PVC DN 110  | 101,60 | 220,30  | PC781  | PC780  |
| PL789              | PVC DN 110  | 101,60 | 173,32  | PC782  | PC780  |
| PL79               | PEHD DN 110 | 96,80  | 70,12   | PC79   | PC78   |
| PL790a             | PVC DN 160  | 147,60 | 253,53  | PC780  | 30     |
| PL790b             | PVC DN 160  | 147,60 | 500,00  | PC783  | 31     |
| PL791              | PVC DN 160  | 147,60 | 186,27  | PC783  | PC784  |
| PL792              | PVC DN 160  | 147,60 | 502,16  | PC785  | PC784  |
| PL793              | PEHD DN 40  | 35,20  | 75,84   | PC785  | PC786  |
| PL794              | PVC DN 160  | 147,60 | 13,23   | PC787  | PC785  |
| PL795              | PEHD DN 40  | 35,20  | 95,01   | PC787  | PC788  |
| PL796              | PVC DN 110  | 101,60 | 356,28  | PC789  | PC787  |
| PL797              | PVC DN 110  | 101,60 | 182,66  | PC789  | PC790  |
| 7_rekonstrukc_     | PEHD DN 110 | 96,80  | 20,00   | PC204A | 18     |
| Vodoprojekt        |             |        |         |        |        |
| PL798              | PEHD DN 25  | 21,40  | 83,70   | PC790  | PC791  |
| PL799              | PVC DN 110  | 101,60 | 203,13  | PC790  | PC792  |
| PL7A               | PEHD DN 50  | 44,00  | 223,67  | PC7A   | PC8    |
| PL8                | PEHD DN 50  | 44,00  | 38,00   | PC8A   | PC9    |
| PL80               | PEHD DN 110 | 96,80  | 264,76  | PC78   | PC80   |
| PL800              | PVC DN 110  | 101,60 | 431,22  | PC789  | PC793  |
| PL801              | PVC DN 110  | 101,60 | 81,64   | PC793  | PC794  |
| PL802              | PVC DN 110  | 101,60 | 493,92  | PC793  | PC795  |
| PL803              | PVC DN 110  | 101,60 | 608,98  | PC796  | PC789  |
| PL804              | PVC DN 110  | 101,60 | 533,28  | PC797  | PC796A |
| PL805              | PVC DN 110  | 101,60 | 1406,01 | PC745  | PC797  |
| PL806_rekonstrukc_ | PEHD DN 225 | 198,20 | 344,95  | PC743  | PC798  |
| Vodoprojekt        |             |        |         |        |        |
| PL807              | PVC DN 110  | 101,60 | 372,62  | PC798  | PC799  |
| PL808              | PEHD DN 63  | 55,40  | 17,91   | PC800  | PC801  |
| PL809              | PEHD DN 63  | 55,40  | 488,04  | PC802  | PC801  |
| PL81_rekonstrukc_  | PEHD DN 160 | 141,00 | 421,44  | PC73   | PC81   |
| Vodoprojekt        |             |        |         |        |        |
| PL810              | PVC DN 315  | 290,80 | 504,23  | PC800  | PC803  |
| PL811              | PVC DN 110  | 101,60 | 243,72  | PC803  | PC804  |
| PL812              | PVC DN 110  | 101,60 | 224,19  | PC803  | PC805  |
| PL813              | PEHD DN 63  | 55,40  | 4,41    | PC798  | PC806  |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:   | Stranica:<br>363/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKJE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |        |        |        |
|--------|-------------|--------|--------|--------|--------|
| PL813A | PVC DN 315  | 290,80 | 34,52  | PC798  | PC800  |
| PL814  | PVC DN 315  | 290,80 | 322,51 | PC798  | PC808  |
| PL814A | PEHD DN 63  | 55,40  | 292,87 | PC806  | PC807  |
| PL815  | PVC DN 315  | 290,80 | 9,84   | PC808  | PC809  |
| PL816  | PVC DN 315  | 290,80 | 298,06 | PC809  | PC812  |
| PL816A | PEHD DN 63  | 55,40  | 25,06  | PC809  | PC810  |
| PL816B | PEHD DN 63  | 55,40  | 272,06 | PC810  | PC811  |
| PL817  | PVC DN 110  | 101,60 | 683,41 | PC808  | PC813  |
| PL818  | PVC DN 110  | 101,60 | 643,73 | PC813A | PC814  |
| PL819  | PVC DN 110  | 101,60 | 970,59 | PC812  | PC815  |
| PL82   | PEHD DN 110 | 96,80  | 132,95 | PC81   | PC81B  |
| PL820  | PVC DN 315  | 290,80 | 166,41 | PC812  | PC817  |
| PL820A | PEHD DN 63  | 55,40  | 166,10 | PC817  | PC816  |
| PL821  | PVC DN 110  | 101,60 | 190,42 | PC817  | PC818  |
| PL822  | PVC DN 110  | 101,60 | 310,59 | PC818  | PC819  |
| PL823  | PEHD DN 63  | 55,40  | 114,84 | PC819  | PC820  |
| PL824  | PEHD DN 63  | 55,40  | 68,88  | PC820  | PC821  |
| PL825  | PEHD DN 63  | 55,40  | 9,35   | PC820  | PC822  |
| PL826  | PVC DN 110  | 101,60 | 84,80  | PC819  | PC823  |
| PL827  | PVC DN 110  | 101,60 | 646,50 | PC818  | PC824A |
| PL828  | PVC DN 110  | 101,60 | 602,39 | PC824  | PC825  |
| PL829  | PVC DN 160  | 147,60 | 41,74  | PC826  | PC817  |
| PL82A  | PEHD DN 110 | 96,80  | 448,78 | PC81A  | PC82   |
| PL83   | PEHD DN 110 | 96,80  | 560,61 | PC81   | PC83   |
| PL830  | PVC DN 160  | 147,60 | 303,87 | PC827  | PC826  |
| PL831  | PVC DN 160  | 147,60 | 228,24 | PC827A | PC828  |
| PL832  | PVC DN 160  | 147,60 | 923,53 | PC828  | PC829  |
| PL833  | PVC DN 110  | 101,60 | 141,61 | PC829  | PC830  |
| PL834  | PVC DN 110  | 101,60 | 240,45 | PC830  | PC831  |
| PL835  | PVC DN 110  | 101,60 | 182,89 | PC830  | PC832  |
| PL836  | PVC DN 110  | 101,60 | 182,89 | PC832  | PC833  |
| PL837  | PVC DN 110  | 101,60 | 594,95 | PC834  | PC833  |
| PL838  | PVC DN 110  | 101,60 | 227,78 | PC834  | PC835  |
| PL839  | PVC DN 110  | 101,60 | 180,20 | PC834  | PC836  |
| PL84   | PEHD DN 110 | 96,80  | 223,66 | PC84   | PC83   |
| PL840  | PVC DN 110  | 101,60 | 201,88 | PC834  | PC837  |
| PL841  | PVC DN 110  | 101,60 | 151,50 | PC837  | PC838  |
| PL842  | PVC DN 110  | 101,60 | 72,78  | PC837  | PC839  |
| PL843  | PVC DN 110  | 101,60 | 60,74  | PC829  | PC840  |
| PL844  | PVC DN 110  | 101,60 | 331,28 | PC840  | PC841  |
| PL845  | PVC DN 110  | 101,60 | 264,86 | PC840  | PC842  |
| PL846  | PEHD DN 50  | 44,00  | 52,43  | PC842  | PC843  |
| PL847  | PVC DN 110  | 101,60 | 24,61  | PC842  | PC844  |
| PL848  | PVC DN 110  | 101,60 | 37,80  | PC844  | PC845  |
| PL849  | PEHD DN 50  | 44,00  | 30,94  | PC845  | PC846  |
| PL85   | PEHD DN 110 | 96,80  | 456,28 | PC83   | PC83B  |
| PL850  | PVC DN 110  | 101,60 | 123,40 | PC845  | PC847  |
| PL851  | PVC DN 110  | 101,60 | 211,89 | PC848  | PC844  |
| PL852  | PVC DN 110  | 101,60 | 324,27 | PC848  | PC849  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:<br><br><b>STUDIJA RAZVITKA<br/>         VODOOPSKRBNOG SUSTAVA<br/>         MEĐIMURSKE ŽUPANIJE</b> | Stranica:<br>364/512      |
|   |  | Nadnevak:<br>17.11. 2009. |

|                                |               |        |        |        |       |
|--------------------------------|---------------|--------|--------|--------|-------|
| PL853                          | PVC DN 110    | 101,60 | 67,44  | PC848  | PC850 |
| PL854                          | PEHD DN 50    | 44,00  | 97,08  | PC850  | PC851 |
| PL858                          | PVC DN 110    | 101,60 | 138,19 | PC850  | PC852 |
| PL859                          | PEHD DN 32    | 28,20  | 87,29  | PC852  | PC853 |
| PL85A                          | PEHD DN 110   | 96,80  | 535,91 | PC83A  | PC85  |
| PL86                           | PEHD DN 110   | 96,80  | 150,33 | PC85   | PC86  |
| PL860                          | PEHD DN 50    | 44,00  | 161,50 | PC852  | PC854 |
| PL861                          | PEHD DN 110   | 96,80  | 319,72 | PC854  | PC855 |
| PL862                          | PVC DN 110    | 101,60 | 101,33 | PC833  | PC855 |
| PL863                          | PVC DN 110    | 101,60 | 333,81 | PC832  | PC848 |
| PL864_rekonstrukc_Vodoprojekt  | DUCTIL DN 350 | 350,00 | 285,81 | PC857  | PC856 |
| PL865                          | PEHD DN 110   | 96,80  | 492,58 | PC858  | PC859 |
| PL866_rekonstrukc_Vodoprojekt  | DUCTIL DN 350 | 350,00 | 221,93 | PC860  | PC856 |
| PL867_rekonstrukc_Vodoprojekt  | DUCTIL DN 350 | 350,00 | 139,62 | PC861  | PC857 |
| PL869_rekonstrukc_Vodoprojekt  | PEHD DN 160   | 141,00 | 140,33 | PC858A | PC862 |
| PL87                           | PEHD DN 110   | 96,80  | 285,92 | PC85   | PC87  |
| PL870                          | PVC DN 110    | 101,60 | 601,68 | PC862  | PC863 |
| PL871                          | PVC DN 160    | 147,60 | 412,46 | PC862  | PC864 |
| PL872                          | PEHD DN 110   | 96,80  | 584,59 | PC864  | PC865 |
| PL873                          | PEHD DN 110   | 96,80  | 233,38 | PC865  | PC866 |
| PL874                          | PEHD DN 110   | 96,80  | 169,12 | PC865  | PC867 |
| PL875                          | PVC DN 110    | 101,60 | 152,32 | PC864  | PC868 |
| PL876                          | PVC DN 110    | 101,60 | 334,34 | PC868  | PC869 |
| PL877                          | PVC DN 110    | 101,60 | 297,54 | PC868  | PC870 |
| PL878                          | PVC DN 110    | 101,60 | 47,14  | PC871  | PC872 |
| PL879                          | PEHD DN 63    | 55,40  | 452,85 | PC872  | PC873 |
| PL88                           | PVC DN 160    | 147,60 | 966,78 | PC88   | 13    |
| PL880                          | PVC DN 160    | 147,60 | 467,35 | PC864  | PC874 |
| PL881                          | PVC DN 110    | 101,60 | 863,49 | PC874  | PC875 |
| PL882                          | PVC DN 160    | 147,60 | 338,65 | PC874  | PC876 |
| PL883                          | PVC DN 160    | 147,60 | 489,95 | PC876  | PC877 |
| PL884                          | PVC DN 160    | 147,60 | 125,96 | PC877  | PC878 |
| PL885                          | PEHD DN 110   | 96,80  | 800,76 | PC878  | PC879 |
| PL886                          | PEHD DN 110   | 96,80  | 473,73 | PC879  | PC880 |
| PL887                          | PEHD DN 110   | 96,80  | 338,08 | PC879  | PC881 |
| PL888                          | PEHD DN 63    | 55,40  | 126,94 | PC882  | PC883 |
| PL888A_rekonstrukc_Vodoprojekt | PEHD DN 160   | 141,00 | 565,94 | PC877  | PC882 |
| PL889                          | PEHD DN 63    | 55,40  | 2,57   | PC883  | PC884 |
| PL89                           | PVC DN 110    | 101,20 | 714,65 | PC88   | PC88A |
| PL890                          | PEHD DN 63    | 55,40  | 397,02 | PC884  | PC885 |
| PL891_rekonstrukc_Vodoprojekt  | PEHD DN 160   | 141,00 | 497,85 | PC882A | PC886 |
| PL892_rekonstrukc_Vodoprojekt  | PEHD DN 160   | 141,00 | 731,13 | PC886  | PC887 |
| PL893                          | PEHD DN 63    | 55,40  | 391,69 | PC888  | PC889 |
| PL894                          | PEHD DN 63    | 55,40  | 71,16  | PC888  | PC890 |

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|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>365/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                   |             |        |         |        |        |
|-----------------------------------|-------------|--------|---------|--------|--------|
| PL895                             | PEHD DN 63  | 55,40  | 27,78   | PC890  | PC891  |
| PL896                             | PEHD DN 40  | 35,20  | 23,95   | PC891  | PC892  |
| PL897                             | PEHD DN 50  | 44,00  | 52,57   | PC891  | PC893  |
| PL898                             | PEHD DN 63  | 55,40  | 302,81  | PC887  | PC888  |
| PL899_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 249,19  | PC887  | PC894  |
| PL89A                             | PVC DN 110  | 101,20 | 515,15  | PC88B  | PC89   |
| PL9                               | PEHD DN 40  | 35,20  | 17,49   | PC8    | PC10   |
| PL90                              | PVC DN 160  | 147,60 | 228,18  | PC90   | PC88   |
| PL900                             | PEHD DN 90  | 79,20  | 106,96  | PC896  | PC898  |
| PL901                             | PEHD DN 90  | 79,20  | 500,61  | PC895  | PC897  |
| PL902                             | PEHD DN 50  | 44,00  | 344,51  | PC898  | PC899  |
| PL903                             | PEHD DN 50  | 44,00  | 32,84   | PC899  | PC900  |
| PL904                             | PEHD DN 50  | 44,00  | 268,17  | PC899  | PC901  |
| PL905                             | PEHD DN 50  | 44,00  | 46,82   | PC901  | PC903  |
| PL906                             | PEHD DN 50  | 44,00  | 89,64   | PC901  | PC902  |
| PL907                             | PEHD DN 40  | 35,20  | 475,87  | PC898  | PC904  |
| PL908                             | PEHD DN 90  | 79,20  | 536,58  | PC897  | PC905  |
| PL909_rekonstrukc_<br>Vodoprojekt | PEHD DN 160 | 141,00 | 931,87  | PC876  | PC906  |
| PL91                              | PEHD DN 110 | 96,80  | 182,23  | PC90   | PC91   |
| PL910                             | PVC DN 110  | 101,60 | 493,87  | PC906  | PC907  |
| PL911                             | PVC DN 110  | 101,60 | 516,54  | PC908  | PC909  |
| PL912                             | PEHD DN 75  | 66,00  | 32,04   | PC910  | PC911  |
| PL913                             | PEHD DN 63  | 55,40  | 169,31  | PC912  | PC913  |
| PL914                             | PEHD DN 63  | 55,40  | 243,55  | PC911  | PC914  |
| PL915                             | PEHD DN 110 | 96,80  | 188,75  | PC910  | PC915  |
| PL916                             | PEHD DN 110 | 96,80  | 595,63  | PC906  | PC910  |
| PL916A                            | PEHD DN 63  | 55,40  | 234,32  | PC916  | PC917  |
| PL917                             | PEHD DN 110 | 96,80  | 83,71   | PC915  | PC918  |
| PL919                             | PEHD DN 110 | 96,80  | 267,39  | PC920  | PC919  |
| PL92                              | PEHD DN 110 | 96,80  | 282,65  | PC91A  | PC92   |
| PL920                             | PEHD DN 110 | 96,80  | 178,16  | PC919  | PC921  |
| PL921                             | PEHD DN 63  | 55,40  | 162,38  | PC921  | PC922  |
| PL922                             | PEHD DN 110 | 96,80  | 362,23  | PC923  | PC921  |
| PL923                             | PEHD DN 110 | 96,80  | 385,21  | PC918  | PC924A |
| PL924                             | PEHD DN 110 | 98,60  | 487,29  | PC924B | PC924  |
| PL925                             | PVC DN 110  | 101,60 | 595,16  | PC925  | PC926  |
| PL926                             | PVC DN 110  | 101,60 | 198,23  | PC926  | PC927  |
| PL927                             | PVC DN 160  | 147,60 | 21,07   | PC984  | PC926A |
| PL928                             | PVC DN 160  | 147,60 | 299,64  | PC926A | PC928  |
| PL929                             | PVC DN 160  | 147,60 | 500,13  | PC928  | PC929  |
| PL93                              | PVC DN 160  | 147,60 | 1240,70 | PC93   | PC90   |
| PL930                             | PVC DN 160  | 147,60 | 459,93  | PC929  | PC930  |
| PL931                             | PEHD DN 63  | 55,40  | 53,08   | PC930  | PC931  |
| PL932                             | PVC DN 160  | 147,60 | 359,73  | PC930  | PC932  |
| PL933                             | PVC DN 110  | 101,00 | 101,32  | PC932  | PC933  |
| PL934                             | PVC DN 160  | 147,60 | 45,01   | PC932  | PC934  |
| PL935                             | PVC DN 160  | 147,60 | 341,98  | PC934  | PC935  |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>366/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |             |        |         |        |        |
|--------|-------------|--------|---------|--------|--------|
| PL936  | PVC DN 110  | 101,60 | 396,16  | PC935  | PC936  |
| PL937  | PVC DN 110  | 101,60 | 327,18  | PC935  | PC937A |
| PL938  | PVC DN 110  | 101,60 | 83,71   | PC937B | PC937  |
| PL939  | PVC DN 110  | 101,60 | 310,40  | PC937  | PC938  |
| PL93A  | PVC DN 160  | 147,60 | 142,47  | PC108  | PC93   |
| PL93B  | PVC DN 110  | 101,60 | 405,41  | PC93   | PC94   |
| PL940  | PVC DN 110  | 101,60 | 86,17   | PC938  | PC939  |
| PL941  | PVC DN 110  | 101,60 | 254,68  | PC938  | PC940  |
| PL942  | PVC DN 110  | 101,60 | 536,64  | PC940  | PC941  |
| PL943  | PVC DN 110  | 101,60 | 75,60   | PC940  | PC942  |
| PL944  | PVC DN 110  | 101,60 | 266,91  | PC942  | PC943  |
| PL945  | PVC DN 110  | 101,60 | 434,62  | PC942  | PC944  |
| PL946  | PVC DN 110  | 101,60 | 624,21  | PC937  | PC945  |
| PL947  | PVC DN 110  | 101,60 | 71,94   | PC945  | PC946  |
| PL948  | PVC DN 110  | 101,60 | 292,15  | PC945  | PC947  |
| PL949  | PVC DN 110  | 101,60 | 969,99  | PC948  | PC947A |
| PL95   | PVC DN 90   | 81,40  | 680,90  | PC94   | PC94A  |
| PL950  | PVC DN 110  | 101,60 | 743,14  | PC949A | PC948A |
| PL951  | PVC DN 110  | 101,60 | 535,14  | PC929  | PC949  |
| PL952  | PVC DN 110  | 101,60 | 288,82  | PC947  | PC950  |
| PL953  | PVC DN 110  | 101,60 | 100,67  | PC950  | PC951  |
| PL954  | PVC DN 110  | 101,60 | 553,55  | PC950  | PC952  |
| PL955  | PEHD DN 160 | 141,00 | 200,54  | 12     | PC953  |
| PL955A | PEHD DN 160 | 141,00 | 24,00   | PC934  | 12     |
| PL956  | PEHD DN 160 | 141,00 | 347,79  | PC953  | PC954  |
| PL957  | PVC DN 225  | 207,80 | 1101,99 | PC955  | PC956  |
| PL958  | PEHD DN 160 | 141,00 | 501,42  | PC956  | PC957  |
| PL959  | PEHD DN 110 | 96,80  | 110,03  | PC957  | PC958  |
| PL95A  | PVC DN 90   | 81,40  | 690,75  | PC94B  | PC95   |
| PL96   | PEHD DN 90  | 79,20  | 614,62  | PC95   | PC96   |
| PL960  | PEHD DN 110 | 96,80  | 247,92  | PC958  | PC959  |
| PL961  | PEHD DN 110 | 96,80  | 181,87  | PC958  | PC960  |
| PL962  | PEHD DN 110 | 96,80  | 846,72  | PC957  | PC961  |
| PL963  | PVC DN 225  | 207,80 | 941,10  | PC956  | PC962  |
| PL964  | PVC DN 160  | 147,60 | 397,17  | PC962  | PC963  |
| PL965  | PVC DN 110  | 101,60 | 38,62   | PC963  | PC964  |
| PL966  | PEHD DN 50  | 44,00  | 99,02   | PC964  | PC965  |
| PL967  | PVC DN 110  | 101,60 | 124,23  | PC964  | PC966  |
| PL968  | PEHD DN 63  | 55,40  | 85,11   | PC966  | PC967  |
| PL969  | PVC DN 110  | 101,60 | 567,77  | PC963  | PC966  |
| PL97   | PVC DN 110  | 101,60 | 220,58  | PC94   | PC97   |
| PL970  | PVC DN 110  | 101,60 | 84,03   | PC962  | PC968  |
| PL971  | PVC DN 110  | 101,60 | 120,40  | PC968  | PC970  |
| PL972  | PEHD DN 63  | 55,40  | 96,98   | PC968  | PC969  |
| PL973  | PVC DN 225  | 207,80 | 539,55  | PC962  | PC971  |
| PL974  | PEHD DN 50  | 44,00  | 128,88  | PC971  | PC972  |
| PL975  | PVC DN 225  | 207,80 | 150,59  | PC971  | PC973  |
| PL976  | PEHD DN 63  | 55,40  | 129,47  | PC973  | PC974  |
| PL977  | PVC DN 225  | 207,80 | 29,36   | PC973  | PC975  |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>367/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|                                   |               |        |                     |        |        |
|-----------------------------------|---------------|--------|---------------------|--------|--------|
| PL978                             | PVC DN 110    | 101,60 | 933,11              | PC975  | PC976  |
| PL978A                            | PVC DN 110    | 101,60 | 216,38              | PC859  | PC984B |
| PL979                             | PEHD DN 63    | 55,40  | 195,46              | PC976  | PC977  |
| PL98                              | PVC DN 110    | 101,60 | 808,99              | PC97   | PC98   |
| PL980                             | PVC DN 110    | 101,60 | 716,61              | PC976  | PC978  |
| PL981                             | PVC DN 225    | 207,80 | 152,87              | PC975  | PC979  |
| PL982                             | PVC DN 160    | 147,60 | 857,51              | PC979  | PC980  |
| PL983                             | PEHD DN 90    | 79,20  | 202,39              | PC980  | PC981  |
| PL984                             | PVC DN 110    | 101,60 | 236,71              | PC980  | PC982  |
| PL985                             | PVC DN 160    | 147,60 | 1002,65             | PC979  | PC165  |
| PL986                             | PVC DN 110    | 101,60 | 319,90              | PC165  | PC983  |
| PL987_rekonstrukc_<br>Vodoprojekt | DUCTIL DN 350 | 350,00 | 216,22              | PC984  | PC860  |
| PL988                             | PVC DN 110    | 101,60 | 202,06              | PC984A | PC985  |
| PL989                             | PVC DN 110    | 101,60 | 175,82              | PC985  | PC986  |
| PL99                              | PEHD DN 63    | 55,40  | 1008,37             | PC98A  | PC99   |
| PL990                             | PVC DN 110    | 101,60 | 447,87              | PC985  | PC987  |
| PL991_rekonstrukc_<br>Vodoprojekt | DUCTIL DN 350 | 350,00 | 875,35              | PC988  | PC984  |
| PL992                             | PVC DN 110    | 101,60 | 336,35              | PC987  | PC989  |
| PL993                             | PVC DN 110    | 101,60 | 119,89              | PC987  | PC990  |
| PL994                             | PEHD DN 110   | 96,80  | 126,89              | PC990  | PC991  |
| PL995                             | PEHD DN 110   | 96,80  | 773,31              | PC992  | PC993  |
| PL996                             | PEHD DN 110   | 96,80  | 735,53              | PC995  | PC994  |
| PL997                             | PEHD DN 110   | 96,80  | 764,67              | PC997  | PC995  |
| PL998                             | PVC DN 110    | 101,60 | 54,47               | PC996A | PC998  |
| PL999                             | PEHD DN 110   | 96,80  | 568,05              | PC998  | PC999  |
| <b>UKUPNO CJEVOVODA:</b>          |               |        | <b>1.073.365,97</b> |        |        |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**TABLICA CJEVOVODA PO VRSTI I PROMJERU -  
BUDUĆE STANJE**

| VRSTA<br>CJEVOVODA | NAZIVNI<br>PROMJER<br>DN (mm) | UNUTARNJI<br>PROMJER<br>(mm) | DULJINA<br>(m)      |
|--------------------|-------------------------------|------------------------------|---------------------|
| a.c.               | 80                            | 80,00                        | 2.000,51            |
| a.c.               | 100                           | 100,00                       | 3.970,27            |
| a.c.               | 150                           | 150,00                       | 320,95              |
| a.c.               | 200                           | 200,00                       | 124,61              |
| ductil             | 200                           | 200,00                       | 332,46              |
| ductil             | 250                           | 250,40                       | 29.529,60           |
| ductil             | 300                           | 301,60                       | 34.197,79           |
| ductil             | 350                           | 350,00                       | 4.632,76            |
| ductil             | 400                           | 402,80                       | 28856,62            |
| ductil             | 500                           | 500,00                       | 6.269,09            |
| l.ž.               | 100                           | 100,00                       | 1.351,47            |
| l.ž.               | 150                           | 150,00                       | 1.619,79            |
| l.ž.               | 200                           | 200,00                       | 2.830,38            |
| l.ž.               | 300                           | 300,00                       | 181,65              |
| l.ž.               | 350                           | 350,00                       | 369,23              |
| pehd               | 25                            | 21,40                        | 690,11              |
| pehd               | 32                            | 28,20                        | 3.650,21            |
| pehd               | 40                            | 35,20                        | 3.499,09            |
| pehd               | 50                            | 44,00                        | 5.595,03            |
| pehd               | 63                            | 55,40                        | 32.631,06           |
| pehd               | 75                            | 66,00                        | 4.785,65            |
| pehd               | 90                            | 79,20                        | 24.913,82           |
| pehd               | 110                           | 98,60                        | 87.955,75           |
| pehd               | 160                           | 141,00                       | 91.447,04           |
| pehd               | 225                           | 207,80                       | 86.762,36           |
| pehd               | 280                           | 246,80                       | 4.166,69            |
| pehd               | 315                           | 290,80                       | 161,99              |
| pvc                | 50                            | 45,00                        | 1.491,68            |
| pvc                | 63                            | 57,00                        | 3.590,81            |
| pvc                | 75                            | 67,80                        | 154,48              |
| pvc                | 90                            | 81,40                        | 4.313,05            |
| pvc                | 110                           | 101,60                       | 398.102,86          |
| pvc                | 125                           | 115,40                       | 806,81              |
| pvc                | 140                           | 129,60                       | 1.319,74            |
| pvc                | 160                           | 147,60                       | 137.984,91          |
| pvc                | 225                           | 207,88                       | 46.142,37           |
| pvc                | 250                           | 230,80                       | 59,39               |
| pvc                | 280                           | 258,60                       | 6.953,28            |
| pvc                | 315                           | 290,80                       | 7.094,41            |
| pvc                | 400                           | 369,20                       | 2.440,54            |
| pvc                | 500                           | 460,00                       | 65,61               |
| <b>UKUPNO</b>      |                               |                              | <b>1.073.365,92</b> |

Projektant:

Krunoslav Čingel, dipl.ing. građ.

Broj TD:  
02/09

Izmjene

Nadnevak

1

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>369/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

U nastavku se prilaže tablica sa podacima o čvornim opterećenjima.

| TABLICA ČVOROVA - BUDUĆE STANJE |   |   |
|---------------------------------|---|---|
| NAZIV ČVORA -<br>NODE ID        | KOTA<br>NIVELETE -<br>ELEVATION<br>(m n.m.) | ČVORNO<br>OPTEREĆENJE<br>- BASE<br>DEMAND (l/s) |
| BC1                             | 200,00                                      | 0,000   |
| BC270                           | 194,70                                      | 0,050   |
| BC272                           | 189,70                                      | 0,000   |
| BC274                           | 189,70                                      | 0,000   |
| BC276                           | 184,70                                      | 0,000   |
| BC277                           | 184,70                                      | 0,000   |
| BC282                           | 179,70                                      | 15,000  |
| BC3                             | 258,00                                      | 0,000   |
| BC4                             | 258,00                                      | 0,000   |
| BC5                             | 258,00                                      | 0,000   |
| BC6                             | 265,00                                      | 0,000   |
| BC7                             | 200,00                                      | 0,000   |
| BC735A                          | 281,60                                      | 0,000   |
| GC1                             | 165,30                                      | 0,100   |
| GC10                            | 165,30                                      | 0,100   |
| GC11                            | 165,30                                      | 0,000   |
| GC12                            | 165,00                                      | 0,100   |
| GC13                            | 165,30                                      | 0,000   |
| GC17                            | 244,60                                      | 0,000   |
| GC18                            | 162,70                                      | 0,000   |
| GC19                            | 157,70                                      | 0,000   |
| GC2                             | 165,30                                      | 0,000   |
| GC20                            | 196,70                                      | 0,000   |
| GC21                            | 210,70                                      | 0,000   |
| GC22                            | 165,30                                      | 0,000   |
| GC23                            | 165,00                                      | 0,100   |
| GC24                            | 165,00                                      | 0,100   |
| GC25                            | 173,00                                      | 0,100   |
| GC26                            | 165,00                                      | 0,100   |
| GC29                            | 162,70                                      | 0,000   |
| GC3                             | 165,30                                      | 0,000   |
| GC30                            | 164,70                                      | 0,000   |
| GC31                            | 158,00                                      | 0,000   |
| GC32                            | 156,70                                      | 0,000   |
| GC33                            | 162,70                                      | 0,000   |
| GC35                            | 152,70                                      | 0,000   |
| GC36                            | 155,34                                      | 0,000   |
| GC4                             | 165,30                                      | 0,100   |
| GC5                             | 165,30                                      | 0,000   |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>370/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |        |       |
|---------|--------|-------|
| GC6     | 165,30 | 0,100 |
| GC7     | 165,30 | 0,000 |
| GC8     | 175,61 | 0,100 |
| GC9     | 165,30 | 0,000 |
| PC1     | 249,70 | 0,050 |
| PC10    | 200,70 | 0,000 |
| 1       | 270,70 | 0,000 |
| PC100   | 261,70 | 0,050 |
| PC1000  | 229,70 | 0,100 |
| PC1001  | 201,70 | 0,100 |
| PC1001A | 207,70 | 0,000 |
| PC1001B | 201,70 | 0,000 |
| PC1002  | 214,70 | 0,100 |
| PC1003  | 211,70 | 0,100 |
| PC1004  | 212,70 | 0,000 |
| PC1005  | 269,70 | 0,000 |
| PC1006  | 248,70 | 0,100 |
| PC1007  | 230,70 | 0,000 |
| PC1007A | 230,70 | 0,150 |
| PC1007B | 230,70 | 0,000 |
| PC1008  | 229,70 | 0,000 |
| PC1009  | 225,87 | 0,000 |
| PC1009A | 225,87 | 0,000 |
| PC100A  | 266,70 | 0,000 |
| PC100B  | 266,70 | 0,000 |
| PC101   | 238,50 | 0,000 |
| PC1010  | 228,00 | 0,000 |
| PC1011  | 225,87 | 0,000 |
| PC1012  | 228,00 | 0,000 |
| PC1013  | 228,00 | 0,000 |
| PC1014  | 228,83 | 0,000 |
| PC1015  | 292,70 | 0,000 |
| PC1016  | 292,70 | 0,160 |
| PC1017  | 273,70 | 0,000 |
| PC1018  | 268,70 | 0,100 |
| PC1019  | 264,70 | 0,100 |
| 10      | 198,60 | 0,050 |
| PC102   | 223,31 | 0,050 |
| PC1020  | 290,70 | 0,000 |
| PC1021  | 290,70 | 0,100 |
| PC1022  | 265,70 | 0,100 |
| PC1022A | 265,70 | 0,000 |
| PC1022B | 265,70 | 0,000 |
| PC1023  | 264,70 | 0,000 |
| PC1024  | 264,70 | 0,100 |
| PC1025  | 245,70 | 0,100 |
| PC1026  | 246,70 | 0,000 |
| PC1027  | 246,70 | 0,100 |
| PC1028  | 256,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>371/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC1028A | 256,70 | 0,000 |
| PC1029  | 230,70 | 0,000 |
| PC103   | 213,57 | 0,000 |
| PC1030  | 223,70 | 0,000 |
| PC1031  | 229,70 | 0,000 |
| PC1032  | 231,70 | 0,000 |
| PC1033  | 227,70 | 0,100 |
| PC1034  | 216,70 | 0,000 |
| PC1035  | 208,70 | 0,100 |
| PC1036  | 212,70 | 0,100 |
| PC1037  | 197,70 | 0,000 |
| PC1038  | 194,70 | 0,500 |
| PC1038A | 194,70 | 0,000 |
| PC1039  | 193,70 | 0,100 |
| PC104   | 210,53 | 0,000 |
| PC1040  | 191,70 | 0,000 |
| PC1041  | 191,70 | 2,000 |
| PC1042  | 191,70 | 0,000 |
| PC1043  | 191,70 | 0,000 |
| PC1044  | 190,70 | 0,200 |
| PC1045  | 184,70 | 0,000 |
| PC1046  | 190,70 | 0,200 |
| PC1047  | 189,70 | 0,000 |
| PC1048  | 189,70 | 0,000 |
| PC1049  | 191,70 | 0,200 |
| PC105   | 242,90 | 0,000 |
| PC1050  | 191,70 | 0,160 |
| PC1051  | 192,70 | 0,000 |
| PC1052  | 190,70 | 0,200 |
| PC1053  | 189,70 | 0,200 |
| PC1054  | 190,70 | 0,000 |
| PC1055  | 190,70 | 0,200 |
| PC1056  | 190,70 | 0,200 |
| PC1057  | 194,70 | 0,050 |
| PC1058  | 211,70 | 0,000 |
| PC1059  | 204,70 | 0,100 |
| PC106   | 249,95 | 0,050 |
| PC1060  | 195,70 | 0,000 |
| PC1060A | 195,70 | 0,000 |
| PC1061  | 196,70 | 0,050 |
| PC1062  | 194,70 | 0,000 |
| PC1063  | 193,70 | 0,000 |
| PC1065  | 174,42 | 0,100 |
| PC1066  | 174,70 | 0,100 |
| PC1067  | 174,32 | 0,000 |
| PC1068  | 179,70 | 0,000 |
| PC1069  | 171,70 | 0,000 |
| PC107   | 227,97 | 0,050 |
| PC1070  | 169,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
372/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1071 | 169,70 | 0,100 |
| PC1072 | 170,70 | 0,000 |
| PC1173 | 160,70 | 0,110 |
| PC1174 | 160,70 | 0,000 |
| PC1175 | 160,70 | 0,100 |
| PC1176 | 159,70 | 0,100 |
| PC1177 | 161,70 | 0,000 |
| PC1178 | 164,70 | 0,000 |
| PC1179 | 163,70 | 0,000 |
| PC118  | 295,70 | 0,050 |
| PC1180 | 166,70 | 0,000 |
| PC1181 | 161,70 | 0,050 |
| PC1182 | 161,70 | 0,000 |
| PC1183 | 161,70 | 0,000 |
| PC1184 | 161,70 | 0,000 |
| PC1185 | 161,70 | 0,050 |
| PC1186 | 161,70 | 0,000 |
| PC1187 | 161,70 | 0,000 |
| PC1188 | 164,70 | 0,050 |
| PC1189 | 162,70 | 0,050 |
| PC119  | 261,70 | 0,050 |
| PC1190 | 162,70 | 0,000 |
| PC1191 | 162,70 | 0,050 |
| PC1192 | 162,70 | 0,000 |
| PC1193 | 156,70 | 0,000 |
| PC1194 | 156,70 | 0,050 |
| PC1195 | 156,70 | 0,000 |
| PC1196 | 154,70 | 0,050 |
| PC1197 | 154,70 | 0,050 |
| PC1198 | 154,70 | 0,000 |
| PC1199 | 154,70 | 0,050 |
| PC12   | 203,70 | 0,050 |
| PC120  | 305,70 | 0,050 |
| PC1200 | 199,70 | 0,100 |
| PC1201 | 199,70 | 0,000 |
| PC1202 | 199,70 | 0,100 |
| PC1203 | 192,70 | 0,000 |
| PC1204 | 193,70 | 0,000 |
| PC1205 | 193,70 | 0,000 |
| PC1206 | 193,70 | 0,060 |
| PC1207 | 193,70 | 0,100 |
| 12     | 265,00 | 0,000 |
| PC1208 | 191,70 | 0,100 |
| PC1209 | 183,70 | 0,000 |
| PC121  | 273,70 | 0,000 |
| PC1210 | 183,70 | 0,000 |
| PC1211 | 185,70 | 0,100 |
| PC1212 | 188,70 | 0,100 |
| PC1213 | 188,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
373/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1214 | 189,70 | 0,100 |
| PC1215 | 195,70 | 0,000 |
| PC1216 | 196,70 | 0,000 |
| PC1217 | 196,70 | 0,000 |
| PC1218 | 198,70 | 0,100 |
| PC1219 | 194,70 | 0,100 |
| PC121A | 273,70 | 0,000 |
| PC122  | 223,70 | 0,000 |
| PC1220 | 191,70 | 0,000 |
| PC1221 | 191,70 | 0,000 |
| PC1222 | 191,70 | 0,000 |
| PC1223 | 191,70 | 0,000 |
| PC1224 | 191,70 | 0,000 |
| PC1225 | 191,70 | 0,000 |
| PC1226 | 190,70 | 0,000 |
| PC1227 | 191,70 | 0,000 |
| PC1228 | 191,70 | 0,050 |
| PC1229 | 191,70 | 0,000 |
| PC122A | 223,70 | 0,000 |
| PC123  | 193,70 | 0,050 |
| PC1230 | 191,70 | 0,000 |
| PC1231 | 190,70 | 0,050 |
| PC1233 | 190,70 | 0,000 |
| PC1234 | 193,70 | 0,500 |
| PC1235 | 190,70 | 0,500 |
| PC1236 | 186,70 | 0,500 |
| PC1237 | 181,70 | 0,500 |
| PC1238 | 195,70 | 0,500 |
| PC1239 | 186,70 | 0,000 |
| PC124  | 303,70 | 0,000 |
| PC1240 | 187,70 | 0,200 |
| PC1241 | 189,70 | 0,000 |
| PC1242 | 190,70 | 0,200 |
| PC1243 | 193,70 | 0,000 |
| PC1244 | 193,70 | 0,000 |
| PC1245 | 197,70 | 0,000 |
| PC1246 | 183,70 | 0,000 |
| PC1247 | 179,70 | 0,230 |
| PC1248 | 181,81 | 0,000 |
| PC1249 | 181,81 | 0,200 |
| PC125  | 266,70 | 0,000 |
| PC1250 | 183,70 | 0,000 |
| PC1251 | 181,81 | 0,000 |
| PC1252 | 183,70 | 0,000 |
| PC1253 | 187,70 | 0,000 |
| PC1254 | 187,39 | 1,000 |
| PC1255 | 187,39 | 0,000 |
| PC1257 | 187,70 | 0,000 |
| PC1258 | 189,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>374/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC1259 | 189,70 | 0,000 |
| PC125A | 269,70 | 0,000 |
| PC125B | 271,70 | 0,050 |
| PC126  | 260,70 | 0,000 |
| PC1260 | 193,70 | 0,000 |
| PC1261 | 193,70 | 0,200 |
| PC1262 | 192,17 | 0,200 |
| PC1263 | 192,70 | 0,000 |
| PC1264 | 191,70 | 0,000 |
| PC1265 | 190,70 | 0,200 |
| PC1266 | 190,70 | 0,200 |
| PC1267 | 194,70 | 0,200 |
| PC1268 | 192,70 | 0,000 |
| PC1269 | 191,70 | 0,000 |
| PC126A | 266,70 | 0,050 |
| PC127  | 265,70 | 0,050 |
| PC1270 | 191,70 | 0,200 |
| PC1271 | 190,59 | 0,000 |
| PC1272 | 194,03 | 0,200 |
| PC1273 | 191,70 | 0,400 |
| PC1274 | 191,70 | 0,000 |
| PC1275 | 191,70 | 0,000 |
| PC1276 | 191,70 | 0,200 |
| PC1277 | 189,70 | 0,000 |
| PC1278 | 188,70 | 0,000 |
| PC1279 | 188,70 | 0,200 |
| PC128  | 246,70 | 0,050 |
| PC1280 | 171,70 | 0,000 |
| PC1281 | 172,70 | 0,000 |
| PC1282 | 172,70 | 0,200 |
| PC1283 | 194,70 | 0,200 |
| PC1284 | 175,70 | 0,000 |
| PC1285 | 170,70 | 0,000 |
| PC1286 | 170,70 | 0,200 |
| PC1287 | 177,70 | 0,000 |
| PC1288 | 171,70 | 0,190 |
| PC1289 | 172,70 | 0,000 |
| PC129  | 271,70 | 0,000 |
| PC1291 | 169,70 | 0,000 |
| PC1292 | 169,70 | 0,200 |
| PC1293 | 169,70 | 0,000 |
| PC1294 | 169,70 | 0,200 |
| PC1295 | 169,70 | 0,000 |
| PC1296 | 169,70 | 0,000 |
| PC1297 | 169,70 | 0,200 |
| PC1298 | 169,70 | 0,000 |
| PC1299 | 169,70 | 0,200 |
| PC13   | 299,70 | 0,000 |
| PC130  | 269,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>375/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|         |        |       |
|---------|--------|-------|
| 13      | 298,70 | 0,000 |
| PC1300  | 169,70 | 0,000 |
| PC1301  | 169,70 | 0,200 |
| PC1302  | 169,70 | 0,000 |
| PC1303  | 169,70 | 0,200 |
| PC1304  | 169,70 | 0,200 |
| PC1305  | 169,70 | 0,000 |
| PC1306  | 169,70 | 0,000 |
| PC1307  | 170,70 | 0,000 |
| PC1308  | 170,70 | 0,000 |
| PC1309  | 170,70 | 0,200 |
| PC131   | 258,70 | 0,000 |
| PC1310  | 169,70 | 0,200 |
| PC1311  | 169,70 | 0,200 |
| PC1312  | 169,70 | 0,200 |
| PC1313  | 169,70 | 0,200 |
| PC1314  | 170,70 | 0,000 |
| PC1315  | 170,70 | 0,000 |
| PC1316  | 169,70 | 0,000 |
| PC1317  | 168,70 | 0,000 |
| PC1318  | 166,23 | 0,200 |
| PC1319  | 168,70 | 0,000 |
| PC131A  | 258,70 | 0,000 |
| PC131B  | 258,70 | 0,000 |
| PC132   | 270,70 | 0,050 |
| PC1320  | 166,70 | 0,200 |
| PC1321  | 166,59 | 0,000 |
| PC1322  | 168,09 | 0,000 |
| PC1323  | 186,96 | 0,200 |
| PC13242 | 166,70 | 0,000 |
| PC1325  | 165,70 | 0,200 |
| PC1326  | 166,70 | 0,000 |
| PC1327  | 166,70 | 0,200 |
| PC1328  | 169,70 | 0,000 |
| PC1329  | 169,70 | 0,000 |
| PC133   | 221,20 | 0,000 |
| PC1330  | 168,70 | 0,200 |
| PC1331  | 190,70 | 0,200 |
| PC1332  | 190,70 | 0,000 |
| PC1333  | 187,70 | 0,000 |
| PC1334  | 189,70 | 0,000 |
| PC1335  | 192,70 | 0,200 |
| PC1336  | 190,70 | 0,200 |
| PC1337  | 191,70 | 0,200 |
| PC1338  | 191,70 | 0,200 |
| PC1339  | 191,70 | 0,000 |
| PC134   | 218,74 | 0,050 |
| PC1340  | 192,70 | 0,120 |
| PC1341  | 188,70 | 0,200 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>376/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC1342 | 187,70 | 0,200 |
| PC1343 | 185,70 | 0,200 |
| PC1344 | 194,70 | 0,200 |
| PC1345 | 198,70 | 0,200 |
| PC1346 | 194,70 | 0,200 |
| PC1347 | 198,70 | 0,200 |
| PC1348 | 199,70 | 0,300 |
| PC1349 | 204,70 | 0,000 |
| PC135  | 229,20 | 0,500 |
| PC1350 | 201,70 | 0,000 |
| PC1351 | 198,70 | 0,300 |
| PC1352 | 198,70 | 0,300 |
| PC1353 | 204,70 | 0,000 |
| PC1354 | 210,70 | 0,300 |
| PC1355 | 202,70 | 0,000 |
| PC1356 | 199,70 | 0,300 |
| PC1357 | 198,70 | 0,000 |
| PC1358 | 210,70 | 0,300 |
| PC1359 | 208,70 | 0,000 |
| PC136  | 270,00 | 0,050 |
| PC1360 | 208,70 | 0,000 |
| PC1361 | 218,70 | 0,100 |
| PC1362 | 216,70 | 0,000 |
| PC1363 | 215,70 | 0,100 |
| PC1364 | 221,70 | 0,100 |
| PC1365 | 228,70 | 0,110 |
| PC1366 | 216,70 | 0,100 |
| PC1367 | 244,70 | 0,100 |
| PC1368 | 230,70 | 0,100 |
| PC1369 | 244,70 | 0,100 |
| PC136A | 270,00 | 0,000 |
| PC136B | 270,00 | 0,000 |
| PC136C | 270,00 | 0,000 |
| PC136D | 238,70 | 0,000 |
| PC136E | 238,70 | 0,000 |
| PC137  | 224,70 | 0,050 |
| PC1370 | 227,70 | 0,000 |
| PC1371 | 227,70 | 0,000 |
| PC1372 | 231,70 | 0,000 |
| PC1373 | 224,70 | 0,100 |
| PC1374 | 235,70 | 0,100 |
| PC1375 | 232,70 | 0,080 |
| PC1376 | 236,70 | 0,100 |
| PC1377 | 232,70 | 0,100 |
| PC1378 | 227,70 | 0,100 |
| PC1379 | 239,70 | 0,100 |
| PC138  | 214,70 | 0,000 |
| PC1380 | 210,70 | 0,000 |
| PC1381 | 198,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
377/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC1382  | 249,70 | 0,000 |
| PC1383  | 249,70 | 0,000 |
| PC1386  | 187,70 | 0,080 |
| PC1387  | 187,70 | 0,180 |
| PC1387A | 187,70 | 0,000 |
| PC1388  | 200,70 | 0,500 |
| PC1389  | 203,70 | 0,050 |
| PC139   | 220,70 | 0,050 |
| PC1390  | 200,70 | 0,050 |
| PC1392  | 200,70 | 0,000 |
| PC1393  | 199,70 | 0,000 |
| PC1394  | 181,70 | 0,000 |
| PC1395  | 185,70 | 0,200 |
| PC1396  | 186,70 | 0,200 |
| PC1397  | 184,70 | 0,500 |
| PC1398  | 172,70 | 0,200 |
| PC1399  | 167,11 | 0,000 |
| PC14    | 258,70 | 0,000 |
| PC140   | 216,70 | 0,050 |
| PC1400  | 167,50 | 0,000 |
| PC1400A | 167,50 | 0,000 |
| PC1401  | 166,70 | 0,000 |
| PC1402  | 166,70 | 0,000 |
| PC1403  | 166,70 | 0,000 |
| PC1404  | 167,70 | 0,000 |
| PC1405  | 169,70 | 0,000 |
| PC1406  | 170,70 | 0,200 |
| PC1407  | 169,70 | 0,000 |
| PC1408  | 167,70 | 0,000 |
| PC1409  | 167,70 | 0,000 |
| PC141   | 212,70 | 0,000 |
| PC1410  | 168,70 | 0,200 |
| PC1411  | 167,70 | 0,000 |
| PC1412  | 167,70 | 0,000 |
| PC1413  | 167,70 | 0,050 |
| PC1414  | 167,70 | 0,000 |
| PC1415  | 167,70 | 0,000 |
| PC1416  | 167,70 | 0,000 |
| PC1417  | 167,70 | 0,200 |
| PC1418  | 167,70 | 0,000 |
| PC1419  | 166,70 | 0,200 |
| PC142   | 211,70 | 0,000 |
| PC1420  | 166,70 | 0,200 |
| PC1421  | 166,70 | 0,000 |
| PC1422  | 165,70 | 0,100 |
| PC1423  | 166,70 | 0,000 |
| PC1424  | 166,70 | 0,200 |
| PC1425  | 166,70 | 0,000 |
| PC1426  | 166,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>378/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1427 | 166,70 | 0,100 |
| PC1428 | 166,70 | 0,000 |
| PC1429 | 166,70 | 0,100 |
| PC143  | 210,70 | 0,050 |
| PC1430 | 167,70 | 0,000 |
| PC1431 | 166,70 | 0,200 |
| PC1432 | 166,70 | 0,000 |
| PC1433 | 166,70 | 0,000 |
| PC1434 | 166,70 | 0,200 |
| PC1435 | 166,70 | 0,000 |
| PC1436 | 166,70 | 0,220 |
| PC1437 | 171,70 | 0,000 |
| PC1438 | 174,70 | 0,000 |
| PC1439 | 174,70 | 0,000 |
| PC144  | 218,70 | 0,050 |
| PC1440 | 175,70 | 0,050 |
| PC1441 | 173,70 | 0,050 |
| PC1442 | 173,70 | 0,040 |
| PC1443 | 173,70 | 0,000 |
| PC1444 | 174,70 | 0,050 |
| PC1445 | 173,70 | 0,050 |
| PC1446 | 177,70 | 0,000 |
| PC1447 | 180,70 | 0,050 |
| PC1448 | 175,70 | 0,050 |
| PC1449 | 177,70 | 0,000 |
| PC145  | 240,70 | 0,000 |
| PC1450 | 175,70 | 0,050 |
| 14     | 298,70 | 0,000 |
| PC1451 | 177,70 | 0,050 |
| PC1452 | 174,70 | 0,050 |
| PC1453 | 173,70 | 0,000 |
| PC1454 | 173,70 | 0,050 |
| PC1455 | 173,70 | 0,050 |
| PC1456 | 174,70 | 0,050 |
| PC1457 | 175,70 | 0,050 |
| PC1458 | 174,70 | 0,050 |
| PC1459 | 173,70 | 0,050 |
| PC146  | 242,70 | 0,000 |
| PC1460 | 175,70 | 0,050 |
| PC1461 | 177,70 | 0,050 |
| PC1462 | 177,70 | 0,050 |
| PC1463 | 178,70 | 0,000 |
| PC1464 | 181,70 | 0,050 |
| PC1465 | 193,70 | 0,000 |
| PC1466 | 194,70 | 0,050 |
| PC1467 | 173,70 | 0,050 |
| PC1468 | 173,70 | 0,050 |
| PC1469 | 174,70 | 0,050 |
| PC147  | 231,70 | 0,050 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>379/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC1470 | 173,70 | 0,050 |
| PC1471 | 173,91 | 0,000 |
| PC1472 | 173,58 | 0,050 |
| PC1473 | 176,48 | 0,000 |
| PC1474 | 177,62 | 0,050 |
| PC1475 | 174,47 | 0,000 |
| PC1476 | 174,63 | 0,000 |
| PC1477 | 174,03 | 0,020 |
| PC1478 | 174,99 | 0,000 |
| PC1479 | 174,94 | 0,050 |
| PC148  | 239,70 | 0,050 |
| PC1480 | 175,70 | 0,000 |
| PC1481 | 175,70 | 0,000 |
| PC1482 | 175,70 | 0,050 |
| PC1483 | 175,70 | 0,050 |
| PC1484 | 177,70 | 0,000 |
| PC1485 | 175,70 | 0,050 |
| PC1486 | 177,70 | 0,000 |
| PC1487 | 177,70 | 0,000 |
| PC1488 | 176,70 | 0,000 |
| PC1489 | 175,70 | 0,050 |
| PC149  | 224,70 | 0,050 |
| PC1490 | 175,70 | 0,000 |
| PC1491 | 175,70 | 0,050 |
| PC1492 | 174,70 | 0,000 |
| PC1493 | 174,70 | 0,050 |
| PC1494 | 174,70 | 0,000 |
| PC1495 | 174,70 | 0,000 |
| PC1496 | 173,70 | 0,050 |
| PC1497 | 173,70 | 0,000 |
| PC1498 | 173,70 | 0,050 |
| PC1499 | 173,70 | 0,000 |
| PC15   | 253,70 | 0,000 |
| PC150  | 224,70 | 0,000 |
| PC1500 | 173,70 | 0,000 |
| PC1501 | 172,70 | 0,050 |
| PC1502 | 173,70 | 0,000 |
| PC1503 | 173,70 | 0,050 |
| PC1504 | 171,70 | 0,000 |
| PC1505 | 171,70 | 0,000 |
| PC1506 | 172,76 | 0,000 |
| PC1507 | 172,90 | 0,050 |
| PC1508 | 171,13 | 0,050 |
| PC1509 | 170,94 | 0,050 |
| PC151  | 213,70 | 0,050 |
| PC1510 | 171,44 | 0,050 |
| PC1511 | 170,31 | 0,000 |
| PC1512 | 170,14 | 0,000 |
| 15     | 162,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>380/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|         |        |       |
|---------|--------|-------|
| PC1513  | 170,31 | 0,080 |
| PC1514  | 170,87 | 0,050 |
| PC1515  | 169,55 | 0,050 |
| PC1516  | 169,06 | 0,000 |
| PC1517  | 168,46 | 0,050 |
| PC1518  | 169,88 | 0,000 |
| PC1519  | 170,66 | 0,050 |
| PC152   | 220,70 | 0,050 |
| PC1520  | 169,00 | 0,000 |
| PC1521  | 169,91 | 0,000 |
| PC1522  | 170,24 | 0,000 |
| PC1523  | 170,95 | 0,000 |
| PC1524  | 169,60 | 0,050 |
| PC1525  | 170,64 | 0,050 |
| PC1526  | 170,43 | 0,050 |
| PC1527  | 170,65 | 0,050 |
| PC1528  | 169,92 | 0,000 |
| PC1529  | 170,18 | 0,050 |
| PC153   | 208,70 | 0,050 |
| PC1530  | 169,02 | 0,000 |
| PC1531  | 170,32 | 0,050 |
| PC1532  | 170,05 | 0,050 |
| PC1533  | 170,13 | 0,050 |
| PC1534  | 168,48 | 0,000 |
| PC1534A | 168,48 | 0,000 |
| PC1535  | 168,70 | 0,000 |
| PC1536  | 167,70 | 0,000 |
| PC1537  | 167,70 | 0,000 |
| PC1538  | 167,70 | 0,030 |
| PC1539  | 167,70 | 0,000 |
| PC154   | 198,70 | 0,000 |
| PC1540  | 167,40 | 0,030 |
| PC1541  | 167,70 | 0,000 |
| PC1542  | 167,70 | 0,000 |
| PC1543  | 167,70 | 0,000 |
| PC1544  | 167,40 | 0,000 |
| PC1545  | 167,40 | 0,030 |
| PC1546  | 167,40 | 0,030 |
| PC1547  | 167,45 | 0,000 |
| PC1548  | 167,70 | 0,000 |
| PC1549  | 167,70 | 0,000 |
| PC155   | 196,70 | 0,000 |
| PC1550  | 167,70 | 0,000 |
| PC1551  | 167,70 | 0,000 |
| PC1552  | 167,70 | 0,000 |
| PC1553  | 167,70 | 0,030 |
| PC1554  | 168,70 | 0,200 |
| PC1555  | 168,70 | 0,200 |
| PC1556  | 167,12 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Stranica:<br>381/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|         |        |       |
|---------|--------|-------|
| PC1557  | 167,21 | 0,030 |
| PC1558  | 167,70 | 0,000 |
| PC1559  | 167,70 | 0,000 |
| PC156   | 192,70 | 0,050 |
| PC1560  | 167,70 | 0,030 |
| PC1561  | 167,70 | 0,000 |
| PC1562  | 167,70 | 0,000 |
| PC1563  | 167,70 | 0,030 |
| PC1564  | 167,45 | 0,000 |
| PC1565  | 167,70 | 0,000 |
| PC1566  | 167,70 | 0,030 |
| PC1567  | 167,45 | 0,000 |
| PC1568  | 167,70 | 0,000 |
| PC1569  | 167,70 | 0,000 |
| PC157   | 196,70 | 0,000 |
| PC1570  | 167,70 | 0,030 |
| PC1571  | 167,70 | 0,030 |
| PC1572  | 167,70 | 0,000 |
| PC1573  | 167,70 | 0,000 |
| PC1574  | 167,05 | 0,000 |
| PC1575  | 168,70 | 0,000 |
| PC1576  | 169,70 | 0,030 |
| PC1577  | 167,90 | 0,000 |
| PC1578  | 169,70 | 0,000 |
| PC1579  | 168,70 | 0,000 |
| PC1579A | 168,70 | 0,000 |
| PC158   | 202,70 | 0,050 |
| PC1580  | 168,70 | 0,000 |
| PC1580A | 168,70 | 0,000 |
| PC1580B | 168,70 | 0,000 |
| PC1581  | 168,70 | 0,000 |
| PC1582  | 168,70 | 0,000 |
| PC1583  | 169,70 | 0,000 |
| PC1584  | 169,70 | 0,000 |
| PC1585  | 169,70 | 0,000 |
| PC1586  | 169,70 | 0,000 |
| PC1587  | 169,70 | 0,000 |
| PC1588  | 169,70 | 0,000 |
| PC1589  | 169,70 | 0,000 |
| PC159   | 204,70 | 0,050 |
| PC1590  | 169,70 | 0,000 |
| PC1591  | 169,70 | 0,000 |
| PC1592  | 169,70 | 0,000 |
| PC1593  | 169,70 | 0,000 |
| PC1594  | 169,70 | 0,000 |
| PC1595  | 169,70 | 0,000 |
| PC1596  | 169,70 | 0,000 |
| PC1597  | 167,70 | 0,000 |
| PC1598  | 167,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>382/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC1599 | 168,70 | 0,000 |
| PC16   | 248,70 | 0,050 |
| PC160  | 195,70 | 0,050 |
| 16     | 303,70 | 0,000 |
| PC1600 | 167,67 | 0,000 |
| PC1601 | 159,05 | 0,000 |
| PC1602 | 159,05 | 0,000 |
| PC1603 | 168,70 | 0,000 |
| PC1604 | 168,70 | 0,030 |
| PC1605 | 168,70 | 0,030 |
| PC1606 | 167,70 | 0,000 |
| PC1607 | 168,70 | 0,030 |
| PC1608 | 167,05 | 0,000 |
| PC1609 | 167,70 | 0,000 |
| PC161  | 207,70 | 0,000 |
| PC1610 | 167,05 | 0,030 |
| PC1611 | 167,70 | 0,000 |
| PC1612 | 167,70 | 0,030 |
| PC1613 | 167,70 | 0,000 |
| PC1614 | 167,70 | 0,030 |
| PC1615 | 165,60 | 0,190 |
| PC1616 | 166,70 | 0,000 |
| PC1617 | 165,36 | 0,000 |
| PC1618 | 166,23 | 0,000 |
| PC1619 | 166,92 | 0,030 |
| PC162  | 209,70 | 0,000 |
| PC1620 | 166,23 | 0,000 |
| PC1621 | 166,23 | 0,000 |
| PC1622 | 166,23 | 0,030 |
| PC1623 | 166,23 | 0,030 |
| PC1624 | 166,23 | 0,030 |
| PC1626 | 166,23 | 0,000 |
| PC1627 | 166,23 | 0,030 |
| PC1628 | 166,23 | 0,000 |
| PC1629 | 166,23 | 0,000 |
| PC163  | 196,70 | 0,050 |
| PC1630 | 166,23 | 0,030 |
| PC1631 | 166,22 | 0,030 |
| PC1632 | 167,33 | 0,000 |
| PC1633 | 166,23 | 0,000 |
| PC1634 | 166,23 | 0,000 |
| PC1635 | 166,23 | 0,030 |
| PC1636 | 166,70 | 0,000 |
| PC1637 | 166,70 | 0,030 |
| PC1638 | 166,70 | 0,000 |
| PC1639 | 166,70 | 0,030 |
| PC164  | 196,70 | 0,000 |
| PC1640 | 166,23 | 0,000 |
| PC1641 | 166,23 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>383/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC1642 | 166,70 | 0,000 |
| PC1643 | 166,22 | 0,000 |
| PC1644 | 166,95 | 0,000 |
| PC1645 | 166,22 | 0,030 |
| PC1646 | 166,22 | 0,000 |
| PC1647 | 166,42 | 0,000 |
| PC1648 | 166,22 | 0,030 |
| PC1649 | 166,70 | 0,000 |
| PC165  | 215,70 | 0,050 |
| PC1650 | 166,23 | 0,030 |
| PC1651 | 166,23 | 0,000 |
| PC1652 | 165,63 | 0,000 |
| PC1653 | 166,70 | 0,000 |
| PC1654 | 166,70 | 0,000 |
| PC1655 | 166,70 | 0,000 |
| PC1656 | 165,91 | 0,030 |
| PC1657 | 166,70 | 0,000 |
| PC1658 | 166,70 | 0,030 |
| PC1659 | 166,70 | 0,030 |
| PC166  | 246,70 | 0,050 |
| PC1660 | 166,59 | 0,000 |
| PC1661 | 166,70 | 0,000 |
| PC1662 | 165,41 | 0,000 |
| PC1663 | 166,70 | 0,000 |
| PC1664 | 166,70 | 0,000 |
| PC1665 | 165,70 | 0,000 |
| PC1666 | 166,23 | 0,000 |
| PC1667 | 166,23 | 0,000 |
| PC1668 | 166,23 | 0,030 |
| PC1669 | 165,70 | 0,000 |
| PC167  | 265,70 | 0,000 |
| PC1670 | 165,70 | 0,000 |
| PC1671 | 165,70 | 0,030 |
| PC1672 | 165,70 | 0,030 |
| PC1673 | 165,60 | 0,000 |
| PC1674 | 165,70 | 0,000 |
| PC1675 | 165,70 | 0,030 |
| PC1676 | 165,60 | 0,000 |
| PC1677 | 165,60 | 0,000 |
| PC1678 | 165,60 | 0,030 |
| PC1679 | 166,06 | 0,000 |
| PC168  | 258,70 | 0,000 |
| PC1680 | 165,60 | 0,000 |
| PC1681 | 167,70 | 0,030 |
| PC1682 | 167,05 | 0,000 |
| PC1683 | 167,05 | 0,030 |
| PC1684 | 166,70 | 0,000 |
| PC1685 | 166,70 | 0,000 |
| PC1686 | 165,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
384/512Nadnevak:  
17.11.2009.

|        |        |       |
|--------|--------|-------|
| PC1687 | 165,70 | 0,000 |
| PC1688 | 165,70 | 0,000 |
| PC1689 | 166,51 | 0,000 |
| PC169  | 271,70 | 0,050 |
| PC1690 | 166,51 | 0,000 |
| PC1691 | 166,51 | 0,000 |
| PC1692 | 166,51 | 0,030 |
| PC1693 | 166,51 | 0,030 |
| PC1694 | 165,70 | 0,030 |
| PC1695 | 165,70 | 0,000 |
| PC1696 | 165,70 | 0,050 |
| PC1697 | 169,70 | 0,000 |
| PC1698 | 169,70 | 0,000 |
| PC1699 | 169,70 | 0,000 |
| PC17   | 278,70 | 0,000 |
| PC170  | 285,70 | 0,000 |
| PC1700 | 169,70 | 0,000 |
| 17     | 303,70 | 0,000 |
| PC1701 | 169,70 | 0,000 |
| PC1702 | 169,70 | 0,200 |
| PC1703 | 168,70 | 0,000 |
| PC1704 | 167,70 | 0,000 |
| PC1705 | 167,70 | 0,000 |
| PC1706 | 167,70 | 0,000 |
| PC1707 | 168,70 | 0,000 |
| PC1708 | 168,70 | 0,200 |
| PC1709 | 168,70 | 0,200 |
| PC171  | 287,70 | 0,050 |
| PC1710 | 167,70 | 0,200 |
| PC1711 | 167,70 | 0,000 |
| PC1712 | 167,70 | 0,000 |
| PC1713 | 168,70 | 0,000 |
| PC1714 | 168,70 | 0,200 |
| PC1715 | 168,70 | 0,000 |
| PC1716 | 168,70 | 0,200 |
| PC1717 | 169,70 | 0,100 |
| PC1718 | 168,70 | 0,000 |
| PC1719 | 168,70 | 0,290 |
| PC172  | 278,70 | 0,000 |
| PC1720 | 169,70 | 0,000 |
| PC1721 | 169,70 | 0,000 |
| PC1722 | 169,70 | 0,200 |
| PC1723 | 169,70 | 0,000 |
| PC1724 | 169,70 | 0,000 |
| PC1725 | 169,70 | 0,000 |
| PC1726 | 169,70 | 0,200 |
| PC1727 | 169,70 | 0,000 |
| PC1728 | 169,70 | 0,000 |
| PC1729 | 169,70 | 0,000 |

|                                  |                   |          |   |   |   |   |   |
|----------------------------------|-------------------|----------|---|---|---|---|---|
| Projektant:                      | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
| Krunoslav Čingel, dipl.ing.građ. |                   | Nadnevak |   |   |   |   |   |



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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEDIMURSKE ŽUPANIJE | Stranica:<br>385/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC172A | 278,70 | 0,000 |
| PC173  | 196,70 | 0,020 |
| PC1730 | 168,70 | 0,000 |
| PC1731 | 168,70 | 0,100 |
| PC1732 | 168,70 | 0,100 |
| PC1733 | 168,70 | 0,000 |
| PC1734 | 168,70 | 0,000 |
| PC1735 | 168,70 | 0,000 |
| PC1736 | 168,70 | 0,100 |
| PC1737 | 168,70 | 0,100 |
| PC1738 | 168,70 | 0,000 |
| PC1739 | 168,70 | 0,000 |
| PC173A | 196,70 | 0,000 |
| PC173B | 196,70 | 0,000 |
| PC174  | 196,70 | 0,020 |
| PC1740 | 168,70 | 0,000 |
| PC1741 | 168,70 | 0,000 |
| PC1742 | 167,70 | 0,100 |
| PC1743 | 168,70 | 0,100 |
| PC1744 | 168,70 | 0,000 |
| PC1745 | 169,70 | 0,100 |
| PC1746 | 169,70 | 0,000 |
| PC1747 | 168,70 | 0,100 |
| PC1748 | 169,70 | 0,000 |
| PC1749 | 169,70 | 0,100 |
| PC175  | 195,70 | 0,000 |
| PC1750 | 169,70 | 0,100 |
| PC1751 | 169,70 | 0,100 |
| PC1752 | 168,70 | 0,000 |
| PC1753 | 168,70 | 0,100 |
| PC1754 | 168,70 | 0,000 |
| PC1755 | 168,70 | 0,000 |
| PC1756 | 167,70 | 0,000 |
| PC1757 | 166,70 | 0,000 |
| PC1758 | 166,70 | 0,000 |
| PC1759 | 165,70 | 0,000 |
| PC176  | 193,70 | 0,000 |
| PC1760 | 166,32 | 0,100 |
| PC1761 | 166,70 | 0,000 |
| PC1762 | 166,70 | 0,100 |
| PC1763 | 166,32 | 0,030 |
| PC1764 | 165,70 | 0,000 |
| PC1765 | 165,70 | 0,000 |
| PC1766 | 165,70 | 0,000 |
| PC1767 | 165,70 | 0,000 |
| PC1768 | 165,70 | 0,000 |
| PC1769 | 165,70 | 0,000 |
| PC177  | 193,70 | 0,030 |
| PC1770 | 165,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
386/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1771 | 165,70 | 0,500 |
| PC1772 | 166,70 | 0,000 |
| PC1773 | 166,70 | 0,050 |
| PC1774 | 166,70 | 0,000 |
| PC1775 | 165,70 | 0,050 |
| PC1776 | 165,70 | 0,050 |
| PC1777 | 165,70 | 0,000 |
| PC1778 | 166,32 | 0,100 |
| PC1779 | 165,70 | 0,000 |
| PC178  | 193,70 | 0,030 |
| PC1780 | 165,70 | 0,000 |
| PC1781 | 164,70 | 0,000 |
| PC1782 | 164,70 | 0,100 |
| PC1783 | 164,70 | 0,100 |
| PC1784 | 166,32 | 0,000 |
| PC1785 | 165,70 | 0,000 |
| PC1786 | 166,32 | 0,100 |
| PC1787 | 165,70 | 0,000 |
| PC1788 | 166,32 | 0,000 |
| PC1789 | 163,70 | 0,100 |
| PC179  | 188,70 | 0,000 |
| PC1790 | 163,70 | 0,000 |
| PC1791 | 163,70 | 0,100 |
| PC1792 | 163,70 | 0,100 |
| PC1793 | 163,70 | 0,000 |
| PC1794 | 163,70 | 0,100 |
| PC1795 | 162,70 | 0,100 |
| PC1796 | 163,70 | 0,000 |
| PC1797 | 163,70 | 0,100 |
| PC1798 | 163,70 | 0,000 |
| PC1799 | 163,70 | 0,000 |
| PC18   | 273,70 | 0,050 |
| PC180  | 183,70 | 0,000 |
| PC1800 | 163,70 | 0,000 |
| PC1801 | 163,70 | 0,100 |
| PC1802 | 163,70 | 0,000 |
| 18     | 232,68 | 0,030 |
| PC1803 | 163,70 | 0,000 |
| PC1804 | 163,70 | 0,000 |
| PC1805 | 163,70 | 0,100 |
| PC1806 | 163,70 | 0,000 |
| PC1807 | 162,70 | 0,000 |
| PC1808 | 162,70 | 0,000 |
| PC1809 | 162,70 | 0,000 |
| PC181  | 188,70 | 0,050 |
| PC1810 | 162,70 | 0,000 |
| PC1811 | 160,70 | 0,000 |
| PC1812 | 159,93 | 0,000 |
| PC1813 | 160,02 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br><br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>387/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|         |        |       |
|---------|--------|-------|
| PC1814  | 160,70 | 0,000 |
| PC1815  | 160,70 | 0,000 |
| PC1816  | 159,54 | 0,000 |
| PC1817  | 159,99 | 0,000 |
| PC1818  | 160,49 | 0,100 |
| PC1819  | 159,31 | 0,100 |
| PC182   | 188,70 | 0,050 |
| PC1820  | 160,93 | 0,000 |
| PC1821  | 161,15 | 0,000 |
| PC1822  | 161,13 | 0,100 |
| PC1823  | 161,03 | 0,100 |
| PC1824  | 159,92 | 0,000 |
| PC1825  | 160,31 | 0,100 |
| PC1826  | 159,88 | 0,100 |
| PC1827  | 161,17 | 0,100 |
| PC1828  | 160,05 | 0,000 |
| PC1829  | 160,70 | 0,000 |
| PC183   | 188,70 | 0,000 |
| PC1830  | 161,70 | 0,000 |
| PC1831  | 161,70 | 0,000 |
| PC1832  | 159,70 | 0,000 |
| PC1833  | 159,70 | 0,000 |
| PC1833A | 159,70 | 0,000 |
| PC1834  | 160,03 | 0,000 |
| PC1835  | 159,87 | 0,000 |
| PC1836  | 161,25 | 0,100 |
| PC1837  | 160,56 | 0,000 |
| PC1838  | 160,14 | 0,100 |
| PC1839  | 161,20 | 0,100 |
| PC184   | 208,70 | 0,050 |
| PC1840  | 159,70 | 0,100 |
| PC1841  | 160,62 | 0,000 |
| PC1842  | 158,89 | 0,000 |
| PC1843  | 159,06 | 0,100 |
| PC1844  | 160,03 | 0,000 |
| PC1845  | 160,15 | 0,000 |
| PC1846  | 159,97 | 0,100 |
| PC1847  | 159,40 | 0,000 |
| PC1848  | 160,08 | 0,100 |
| PC1849  | 159,71 | 0,000 |
| PC185   | 223,70 | 0,000 |
| PC1850  | 159,13 | 0,100 |
| PC1851  | 161,70 | 0,000 |
| PC1852  | 161,70 | 0,000 |
| PC1853  | 161,70 | 0,000 |
| PC1854  | 162,70 | 0,000 |
| PC1855  | 162,70 | 0,000 |
| PC1856  | 162,70 | 0,400 |
| PC1857  | 162,70 | 0,200 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
388/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1858 | 162,70 | 0,200 |
| PC1859 | 162,70 | 0,420 |
| PC185A | 223,70 | 0,000 |
| PC186  | 280,70 | 0,000 |
| PC1860 | 162,70 | 0,200 |
| PC1861 | 162,70 | 0,200 |
| PC1862 | 162,70 | 0,200 |
| PC1863 | 163,70 | 0,200 |
| PC1864 | 163,70 | 0,200 |
| PC1865 | 162,70 | 0,000 |
| PC1866 | 162,70 | 0,200 |
| PC1867 | 163,70 | 0,000 |
| PC1868 | 163,70 | 0,000 |
| PC1869 | 163,70 | 0,200 |
| PC187  | 280,70 | 0,000 |
| PC1870 | 163,70 | 0,000 |
| PC1871 | 163,70 | 0,000 |
| PC1872 | 163,70 | 0,200 |
| PC1873 | 163,70 | 0,200 |
| PC1874 | 163,70 | 0,200 |
| PC1875 | 163,70 | 0,000 |
| PC1876 | 163,70 | 0,200 |
| PC1877 | 163,70 | 0,200 |
| PC1878 | 164,70 | 0,000 |
| PC1879 | 163,70 | 0,200 |
| PC187A | 280,70 | 0,000 |
| PC187B | 280,70 | 0,000 |
| PC187C | 280,70 | 0,000 |
| PC188  | 251,70 | 0,000 |
| PC1880 | 164,70 | 0,000 |
| PC1881 | 163,70 | 0,200 |
| PC1882 | 164,70 | 0,000 |
| PC1883 | 165,70 | 0,200 |
| PC1884 | 163,70 | 0,000 |
| PC1885 | 165,70 | 0,200 |
| PC1886 | 165,70 | 0,200 |
| PC1887 | 163,70 | 1,000 |
| PC1888 | 164,70 | 0,230 |
| PC1889 | 163,70 | 0,200 |
| PC189  | 253,70 | 0,000 |
| PC1890 | 164,70 | 0,200 |
| PC1891 | 164,70 | 0,000 |
| PC1892 | 164,70 | 0,200 |
| PC1893 | 163,70 | 0,200 |
| PC1894 | 163,70 | 0,200 |
| PC1895 | 164,70 | 0,000 |
| PC1896 | 164,70 | 0,200 |
| PC1897 | 163,70 | 0,200 |
| PC1898 | 163,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|   |  |                           |
|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>389/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC1899 | 163,70 | 0,200 |
| PC18A  | 268,70 | 0,000 |
| PC18B  | 268,70 | 0,000 |
| PC19   | 265,70 | 0,050 |
| PC190  | 253,70 | 0,000 |
| PC1900 | 163,70 | 0,000 |
| PC1901 | 163,70 | 0,200 |
| PC1902 | 163,70 | 0,000 |
| PC1903 | 163,70 | 0,200 |
| PC1904 | 164,70 | 0,200 |
| PC1905 | 163,70 | 0,000 |
| PC1906 | 163,70 | 0,000 |
| PC1907 | 163,70 | 0,100 |
| PC1908 | 165,70 | 0,000 |
| PC1909 | 163,70 | 0,000 |
| PC191  | 243,70 | 0,050 |
| PC1910 | 163,70 | 0,000 |
| PC1911 | 162,70 | 0,000 |
| PC1912 | 162,70 | 0,000 |
| PC1913 | 162,70 | 0,050 |
| PC1914 | 162,70 | 0,100 |
| PC1915 | 160,70 | 0,000 |
| PC1916 | 160,70 | 0,000 |
| PC1917 | 163,70 | 0,050 |
| PC1918 | 163,70 | 0,000 |
| PC1919 | 163,70 | 0,000 |
| PC192  | 233,70 | 0,050 |
| PC1920 | 163,70 | 0,000 |
| PC1921 | 163,70 | 0,000 |
| PC1922 | 163,70 | 0,000 |
| PC1923 | 163,70 | 0,050 |
| PC1924 | 162,70 | 0,000 |
| PC1925 | 163,70 | 0,000 |
| PC1926 | 163,70 | 0,100 |
| PC1927 | 163,70 | 0,050 |
| PC1928 | 163,70 | 0,000 |
| PC1929 | 163,70 | 0,050 |
| PC193  | 265,21 | 0,000 |
| PC1930 | 163,70 | 0,000 |
| PC1931 | 163,70 | 0,050 |
| PC1932 | 163,70 | 1,000 |
| PC1933 | 163,70 | 0,050 |
| PC1934 | 163,70 | 0,000 |
| PC1935 | 163,70 | 0,100 |
| PC1936 | 165,70 | 0,000 |
| PC1937 | 168,70 | 0,000 |
| PC1938 | 163,70 | 0,000 |
| PC1939 | 163,70 | 1,870 |
| PC194  | 277,36 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRIBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>390/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC1940 | 163,70 | 0,000 |
| PC1941 | 163,70 | 0,050 |
| PC1942 | 163,70 | 0,000 |
| PC1943 | 163,70 | 0,050 |
| PC1944 | 163,70 | 0,000 |
| PC1945 | 163,70 | 0,050 |
| PC1946 | 163,70 | 0,000 |
| PC1947 | 163,70 | 0,050 |
| PC1948 | 163,70 | 0,000 |
| PC1949 | 163,70 | 0,000 |
| PC195  | 276,91 | 0,000 |
| PC1950 | 163,70 | 0,000 |
| PC1951 | 163,70 | 0,000 |
| PC1952 | 163,70 | 0,050 |
| PC1953 | 163,70 | 0,000 |
| PC1954 | 163,70 | 0,000 |
| PC1955 | 163,70 | 0,000 |
| PC1956 | 163,70 | 0,000 |
| PC1957 | 163,70 | 0,000 |
| PC1958 | 164,70 | 0,030 |
| PC1959 | 163,70 | 3,580 |
| PC196  | 236,88 | 0,050 |
| PC1960 | 163,70 | 0,000 |
| PC1961 | 163,70 | 0,150 |
| PC1962 | 163,70 | 0,000 |
| PC1963 | 163,70 | 1,150 |
| PC1964 | 163,70 | 0,070 |
| PC1965 | 163,70 | 0,180 |
| PC1966 | 163,70 | 0,000 |
| PC1967 | 163,70 | 0,040 |
| PC1968 | 163,70 | 0,000 |
| PC1969 | 163,70 | 0,000 |
| PC197  | 267,64 | 0,000 |
| PC1970 | 163,70 | 0,000 |
| PC1971 | 163,70 | 0,500 |
| PC1972 | 163,70 | 0,070 |
| PC1973 | 163,70 | 0,050 |
| PC1974 | 163,70 | 0,050 |
| PC1975 | 163,70 | 0,070 |
| PC1976 | 163,70 | 0,200 |
| PC1977 | 163,70 | 0,000 |
| PC1978 | 163,70 | 0,100 |
| PC1979 | 163,70 | 0,000 |
| PC198  | 228,46 | 0,050 |
| PC1980 | 163,70 | 0,050 |
| PC199  | 238,70 | 0,000 |
| 19     | 190,70 | 0,000 |
| PC1991 | 163,70 | 0,050 |
| PC1992 | 163,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRIBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>391/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC1993 | 163,70 | 0,050 |
| PC1994 | 163,70 | 0,000 |
| PC1995 | 163,70 | 0,100 |
| PC1996 | 163,70 | 0,100 |
| PC1997 | 163,70 | 0,050 |
| PC1998 | 163,70 | 0,000 |
| PC1999 | 163,70 | 0,070 |
| PC199A | 238,70 | 0,000 |
| PC2    | 259,70 | 0,000 |
| PC20   | 288,70 | 0,000 |
| PC200  | 238,35 | 0,000 |
| PC2000 | 163,70 | 1,000 |
| PC2001 | 163,70 | 1,160 |
| PC2002 | 163,70 | 0,000 |
| PC2003 | 163,70 | 0,000 |
| PC2004 | 163,70 | 0,050 |
| PC2005 | 163,70 | 0,000 |
| PC2006 | 163,70 | 0,070 |
| PC2007 | 163,70 | 0,000 |
| PC2008 | 163,70 | 0,050 |
| PC2009 | 163,70 | 0,000 |
| PC201  | 213,70 | 0,050 |
| PC2010 | 163,70 | 0,000 |
| PC2011 | 163,70 | 0,050 |
| PC2012 | 163,70 | 0,000 |
| PC2013 | 163,70 | 0,020 |
| PC2014 | 163,70 | 0,000 |
| PC2015 | 163,70 | 0,020 |
| PC2016 | 163,70 | 0,020 |
| PC2017 | 163,70 | 0,000 |
| PC2018 | 163,70 | 0,050 |
| PC2019 | 163,70 | 0,030 |
| PC202  | 258,63 | 0,000 |
| PC2020 | 163,70 | 0,000 |
| PC2021 | 163,70 | 0,050 |
| 2      | 232,68 | 0,000 |
| PC2022 | 163,70 | 0,300 |
| PC2023 | 163,70 | 0,050 |
| PC2024 | 163,70 | 0,000 |
| PC2025 | 163,70 | 0,050 |
| PC2026 | 163,70 | 0,050 |
| PC2027 | 163,70 | 0,000 |
| PC2028 | 163,70 | 0,040 |
| PC2029 | 163,70 | 0,040 |
| 20     | 193,70 | 0,000 |
| PC2030 | 163,70 | 0,000 |
| PC2031 | 163,70 | 0,030 |
| PC2032 | 163,70 | 0,000 |
| PC2033 | 163,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>392/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2034 | 163,70 | 0,000 |
| PC2035 | 163,70 | 0,050 |
| PC2036 | 163,70 | 0,000 |
| PC2037 | 163,70 | 0,300 |
| PC2038 | 163,70 | 0,000 |
| PC2039 | 163,70 | 0,030 |
| PC2040 | 163,70 | 0,000 |
| PC2041 | 163,70 | 0,000 |
| PC2042 | 163,70 | 0,050 |
| PC2043 | 163,70 | 0,000 |
| PC2044 | 163,70 | 0,030 |
| PC2045 | 163,70 | 0,100 |
| PC2046 | 163,70 | 0,000 |
| PC2047 | 163,70 | 0,000 |
| PC2048 | 163,70 | 0,030 |
| PC2049 | 163,70 | 0,000 |
| PC204A | 232,68 | 0,000 |
| PC205  | 202,70 | 0,000 |
| PC2050 | 163,70 | 0,000 |
| PC2051 | 163,70 | 0,030 |
| PC2052 | 163,70 | 0,050 |
| PC2053 | 163,70 | 0,000 |
| PC2054 | 163,70 | 0,050 |
| PC2055 | 163,70 | 0,000 |
| PC2056 | 163,70 | 0,050 |
| PC2057 | 163,70 | 0,000 |
| PC2058 | 163,70 | 0,050 |
| PC2059 | 163,70 | 0,000 |
| PC206  | 198,68 | 0,030 |
| PC2060 | 163,70 | 0,000 |
| PC2061 | 163,70 | 0,000 |
| PC2062 | 163,70 | 0,000 |
| PC2063 | 163,70 | 0,050 |
| PC2064 | 163,10 | 0,100 |
| PC2065 | 159,70 | 0,000 |
| PC2066 | 159,70 | 0,000 |
| PC2067 | 159,70 | 0,100 |
| PC2068 | 161,70 | 0,380 |
| PC2069 | 163,10 | 0,000 |
| PC207  | 195,70 | 0,000 |
| PC2070 | 163,10 | 0,100 |
| PC2071 | 159,70 | 0,000 |
| PC2072 | 159,70 | 0,900 |
| PC2073 | 161,70 | 0,200 |
| PC2074 | 161,70 | 0,000 |
| PC2075 | 161,70 | 0,050 |
| PC2076 | 161,70 | 0,000 |
| PC2077 | 161,70 | 0,790 |
| PC2078 | 161,70 | 0,000 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>393/512   |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC2079 | 161,70 | 0,000 |
| PC208  | 195,70 | 0,000 |
| PC2080 | 161,70 | 0,000 |
| PC2081 | 161,70 | 0,050 |
| PC2082 | 161,70 | 0,290 |
| PC2083 | 162,70 | 0,120 |
| PC2084 | 162,70 | 0,100 |
| PC2085 | 162,70 | 0,000 |
| PC2086 | 162,70 | 0,000 |
| PC2087 | 163,70 | 0,000 |
| PC2088 | 162,36 | 0,260 |
| PC2089 | 161,70 | 0,260 |
| PC209  | 222,70 | 0,050 |
| PC2090 | 161,70 | 0,000 |
| PC2091 | 161,70 | 0,000 |
| PC2092 | 161,70 | 0,000 |
| PC2093 | 161,70 | 0,000 |
| PC2094 | 161,70 | 0,000 |
| PC2095 | 161,70 | 0,050 |
| PC2096 | 161,70 | 0,000 |
| 21     | 189,70 | 0,000 |
| PC2097 | 162,20 | 0,000 |
| PC2098 | 162,20 | 0,040 |
| PC2099 | 161,70 | 0,000 |
| PC21   | 286,70 | 0,050 |
| PC210  | 195,70 | 0,000 |
| PC2100 | 162,70 | 0,000 |
| PC2101 | 162,70 | 0,000 |
| PC2102 | 161,70 | 0,000 |
| PC2103 | 160,70 | 0,000 |
| PC2104 | 160,70 | 0,000 |
| PC2105 | 160,70 | 3,580 |
| PC2106 | 160,70 | 0,000 |
| PC2107 | 161,70 | 0,000 |
| PC2108 | 161,70 | 0,050 |
| PC2109 | 161,70 | 1,000 |
| PC211  | 201,70 | 0,050 |
| PC2110 | 162,70 | 0,050 |
| PC2111 | 162,70 | 0,000 |
| PC2112 | 162,70 | 0,000 |
| PC2113 | 162,70 | 0,050 |
| PC2114 | 162,70 | 0,150 |
| PC2115 | 162,70 | 0,130 |
| PC2116 | 160,70 | 0,050 |
| PC2117 | 160,70 | 0,000 |
| PC2118 | 160,70 | 0,050 |
| PC2119 | 159,70 | 0,050 |
| PC212  | 194,70 | 0,050 |
| PC2120 | 160,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>394/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2121 | 160,70 | 0,260 |
| PC2122 | 160,70 | 0,000 |
| PC2123 | 161,70 | 0,070 |
| PC2124 | 161,70 | 0,230 |
| PC2125 | 160,70 | 0,000 |
| PC2126 | 162,70 | 0,100 |
| PC2127 | 162,70 | 0,060 |
| PC2128 | 161,70 | 0,050 |
| PC2129 | 161,70 | 0,050 |
| PC2130 | 162,70 | 1,000 |
| PC2131 | 162,70 | 0,160 |
| PC2132 | 162,70 | 0,000 |
| PC2133 | 162,70 | 0,000 |
| PC2134 | 162,70 | 0,100 |
| PC2135 | 162,70 | 0,020 |
| PC2136 | 162,70 | 0,000 |
| PC2137 | 161,70 | 0,200 |
| PC2138 | 160,70 | 1,250 |
| PC2139 | 160,70 | 0,360 |
| PC214  | 194,70 | 0,000 |
| PC2140 | 160,70 | 0,170 |
| PC2141 | 160,70 | 0,000 |
| PC2142 | 160,70 | 0,050 |
| PC2143 | 160,70 | 0,110 |
| PC2144 | 160,70 | 0,000 |
| PC2145 | 160,70 | 0,050 |
| PC2146 | 160,70 | 0,000 |
| PC2147 | 160,70 | 0,000 |
| PC2148 | 160,70 | 0,050 |
| PC2149 | 160,70 | 0,000 |
| PC215  | 202,70 | 0,050 |
| PC2150 | 160,70 | 0,000 |
| PC2151 | 160,70 | 0,050 |
| PC2152 | 160,70 | 0,100 |
| PC2153 | 160,70 | 0,000 |
| PC2154 | 160,70 | 0,050 |
| PC2155 | 160,70 | 0,100 |
| PC2156 | 160,70 | 0,100 |
| PC2157 | 160,70 | 0,000 |
| PC2158 | 160,70 | 0,000 |
| PC2159 | 160,70 | 0,110 |
| PC216  | 202,70 | 0,000 |
| PC2160 | 160,70 | 0,110 |
| PC2161 | 160,70 | 0,060 |
| PC2162 | 160,70 | 0,050 |
| PC2163 | 160,70 | 0,000 |
| PC2164 | 160,70 | 0,050 |
| PC2165 | 160,70 | 0,260 |
| PC2166 | 160,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>395/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2167 | 159,70 | 0,150 |
| PC2168 | 159,70 | 0,200 |
| PC2169 | 160,70 | 0,200 |
| PC217  | 208,70 | 0,050 |
| PC2170 | 160,70 | 0,030 |
| PC2171 | 160,70 | 0,260 |
| PC2172 | 160,70 | 0,050 |
| PC2173 | 160,70 | 0,000 |
| PC2174 | 160,70 | 0,050 |
| PC2175 | 160,70 | 0,000 |
| PC2176 | 160,70 | 0,050 |
| PC2177 | 160,70 | 0,000 |
| PC2178 | 160,70 | 0,000 |
| PC2179 | 160,70 | 0,050 |
| PC218  | 219,70 | 0,050 |
| PC2180 | 160,70 | 0,000 |
| PC2181 | 160,70 | 0,000 |
| PC2182 | 160,70 | 0,000 |
| PC2183 | 160,70 | 0,000 |
| PC2184 | 160,70 | 0,000 |
| PC2185 | 160,70 | 0,000 |
| PC2186 | 160,70 | 0,000 |
| PC2187 | 160,70 | 0,000 |
| PC2188 | 160,70 | 0,000 |
| PC2189 | 160,70 | 0,000 |
| PC219  | 194,70 | 0,050 |
| PC2190 | 160,70 | 0,050 |
| PC2191 | 160,70 | 0,090 |
| PC2192 | 160,70 | 0,050 |
| 22     | 189,70 | 0,000 |
| PC2193 | 160,70 | 0,000 |
| PC2194 | 160,70 | 0,000 |
| PC2195 | 160,70 | 0,000 |
| PC2196 | 160,70 | 0,050 |
| PC2197 | 160,70 | 0,000 |
| PC2198 | 160,70 | 0,000 |
| PC2199 | 160,70 | 0,050 |
| PC22   | 278,72 | 0,000 |
| PC220  | 225,70 | 0,050 |
| PC2200 | 160,70 | 0,050 |
| PC2201 | 160,70 | 0,000 |
| PC2202 | 160,70 | 0,000 |
| PC2203 | 160,70 | 0,000 |
| PC2204 | 160,70 | 0,000 |
| PC2205 | 160,70 | 0,000 |
| PC2206 | 160,70 | 0,050 |
| PC2207 | 160,70 | 0,000 |
| PC2208 | 160,70 | 0,050 |
| PC2209 | 160,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>396/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC221  | 272,03 | 0,050 |
| PC2210 | 160,70 | 0,000 |
| PC2211 | 160,70 | 0,050 |
| PC2212 | 160,70 | 0,050 |
| PC2213 | 160,70 | 0,100 |
| PC2214 | 160,70 | 0,050 |
| PC2215 | 160,70 | 0,230 |
| PC2216 | 160,70 | 0,100 |
| PC2217 | 160,70 | 0,000 |
| PC2218 | 160,70 | 0,100 |
| PC2219 | 160,70 | 0,180 |
| PC222  | 255,70 | 0,050 |
| PC2220 | 159,70 | 0,200 |
| PC2221 | 160,70 | 0,100 |
| PC2222 | 160,70 | 0,200 |
| PC2223 | 160,70 | 0,220 |
| PC2224 | 160,70 | 0,100 |
| PC2225 | 160,70 | 0,100 |
| PC2226 | 160,70 | 0,020 |
| PC2227 | 160,70 | 0,090 |
| PC2228 | 160,70 | 0,000 |
| PC2229 | 160,70 | 0,000 |
| PC223  | 274,62 | 0,000 |
| PC2230 | 160,70 | 0,050 |
| PC2231 | 158,70 | 0,000 |
| PC2232 | 158,70 | 0,000 |
| PC2233 | 158,70 | 0,000 |
| PC2234 | 158,70 | 0,000 |
| PC2235 | 158,70 | 0,000 |
| PC2236 | 157,70 | 0,000 |
| PC2237 | 157,70 | 0,000 |
| PC2238 | 157,70 | 0,050 |
| PC2239 | 159,70 | 0,000 |
| PC224  | 244,70 | 0,050 |
| PC2240 | 158,70 | 0,140 |
| PC2241 | 158,70 | 0,100 |
| PC2242 | 158,70 | 0,000 |
| PC2243 | 158,70 | 0,100 |
| PC2244 | 159,70 | 0,000 |
| PC2245 | 159,70 | 0,290 |
| PC2246 | 159,70 | 0,050 |
| PC2247 | 160,20 | 0,160 |
| PC2248 | 159,70 | 0,000 |
| PC2249 | 159,70 | 0,000 |
| PC225  | 278,13 | 0,050 |
| PC2250 | 159,70 | 0,090 |
| PC2251 | 159,70 | 0,120 |
| PC2252 | 159,70 | 0,270 |
| PC2253 | 159,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>397/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2254 | 159,70 | 0,200 |
| PC2255 | 156,70 | 3,550 |
| PC2256 | 158,70 | 0,000 |
| PC2257 | 157,70 | 0,000 |
| PC2258 | 157,70 | 0,050 |
| PC2259 | 158,20 | 0,000 |
| PC226  | 254,70 | 0,050 |
| PC2260 | 158,70 | 0,050 |
| PC2261 | 157,70 | 0,050 |
| PC2262 | 158,70 | 0,000 |
| PC2263 | 158,70 | 0,050 |
| PC2264 | 158,70 | 0,050 |
| PC2265 | 159,04 | 2,310 |
| PC2266 | 158,70 | 0,000 |
| PC2267 | 159,20 | 1,000 |
| PC2268 | 159,00 | 0,000 |
| PC2269 | 159,70 | 0,000 |
| PC227  | 245,03 | 0,050 |
| PC2270 | 159,70 | 1,000 |
| PC2271 | 159,85 | 0,000 |
| PC2272 | 159,70 | 0,060 |
| PC2273 | 159,70 | 0,000 |
| PC2274 | 159,70 | 0,030 |
| PC2275 | 159,70 | 0,030 |
| PC2276 | 160,70 | 0,000 |
| PC2277 | 160,70 | 0,050 |
| PC2278 | 160,70 | 0,110 |
| PC2279 | 160,70 | 0,000 |
| PC228  | 191,70 | 0,050 |
| PC2280 | 160,70 | 0,050 |
| PC2281 | 160,70 | 0,120 |
| PC2282 | 160,70 | 0,000 |
| PC2283 | 160,70 | 0,100 |
| PC2284 | 160,70 | 0,080 |
| PC2285 | 160,70 | 0,100 |
| PC2286 | 161,70 | 0,200 |
| PC2287 | 161,70 | 0,100 |
| PC2288 | 162,70 | 0,100 |
| PC2289 | 160,70 | 0,100 |
| PC229  | 219,70 | 0,050 |
| PC2290 | 160,70 | 0,000 |
| PC2291 | 160,70 | 0,060 |
| PC2292 | 159,70 | 0,060 |
| PC2293 | 160,70 | 0,060 |
| PC2294 | 160,70 | 0,060 |
| PC2295 | 163,70 | 0,080 |
| PC2296 | 163,70 | 0,000 |
| PC2297 | 163,70 | 0,050 |
| PC2298 | 164,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>398/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC2299 | 163,70 | 0,100 |
| PC22A  | 278,72 | 0,000 |
| PC22B  | 278,72 | 0,000 |
| PC22C  | 278,72 | 0,000 |
| PC22D  | 278,72 | 0,000 |
| PC23   | 316,70 | 0,050 |
| PC230  | 188,70 | 0,050 |
| PC2300 | 160,70 | 0,030 |
| 23     | 183,70 | 0,000 |
| PC2301 | 161,70 | 0,000 |
| PC2302 | 161,70 | 0,100 |
| PC2303 | 161,70 | 0,110 |
| PC2304 | 163,70 | 0,180 |
| PC2305 | 163,70 | 0,000 |
| PC2306 | 162,70 | 0,040 |
| PC2307 | 163,70 | 0,050 |
| PC2308 | 162,70 | 0,040 |
| PC2309 | 163,70 | 0,100 |
| PC231  | 188,70 | 0,050 |
| PC2310 | 162,70 | 0,100 |
| PC2311 | 161,70 | 0,110 |
| PC2312 | 160,70 | 0,100 |
| PC2313 | 160,70 | 0,120 |
| PC2314 | 160,70 | 0,060 |
| PC2315 | 159,70 | 0,000 |
| PC2316 | 159,70 | 0,020 |
| PC2317 | 162,70 | 0,100 |
| PC2318 | 162,70 | 0,050 |
| PC2319 | 162,70 | 0,100 |
| PC232  | 188,70 | 0,050 |
| PC2320 | 162,70 | 0,040 |
| PC2321 | 162,70 | 0,030 |
| PC2322 | 162,70 | 0,000 |
| PC2323 | 162,70 | 0,030 |
| PC2324 | 161,70 | 0,070 |
| PC2325 | 161,70 | 0,020 |
| PC2326 | 160,70 | 0,070 |
| PC2327 | 161,70 | 0,160 |
| PC2328 | 160,70 | 0,050 |
| PC2329 | 162,70 | 0,200 |
| PC233  | 188,70 | 0,000 |
| PC2330 | 161,70 | 0,100 |
| PC2331 | 160,70 | 0,050 |
| PC2332 | 161,70 | 0,150 |
| PC2333 | 160,70 | 0,050 |
| PC2334 | 161,70 | 0,100 |
| PC2335 | 160,70 | 0,040 |
| PC2336 | 160,70 | 0,000 |
| PC2337 | 161,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>399/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC2338 | 160,70 | 0,000 |
| PC2339 | 162,70 | 1,860 |
| PC234  | 199,70 | 0,050 |
| PC2340 | 162,70 | 2,230 |
| PC2341 | 162,70 | 0,000 |
| PC2342 | 162,70 | 0,100 |
| PC2343 | 162,70 | 0,000 |
| PC2344 | 162,70 | 0,050 |
| PC2345 | 162,70 | 0,000 |
| PC2346 | 162,70 | 0,110 |
| PC2347 | 163,70 | 0,000 |
| PC2348 | 163,70 | 0,180 |
| PC2349 | 162,70 | 0,000 |
| PC235  | 194,70 | 0,050 |
| PC2350 | 162,70 | 0,050 |
| PC2351 | 163,70 | 0,030 |
| PC2352 | 162,70 | 0,000 |
| PC2353 | 162,70 | 0,050 |
| PC2354 | 162,70 | 0,000 |
| PC2355 | 161,70 | 0,050 |
| PC2356 | 163,70 | 0,050 |
| PC2357 | 163,70 | 0,200 |
| PC2358 | 162,70 | 0,100 |
| PC2359 | 163,70 | 0,050 |
| PC236  | 183,70 | 0,050 |
| PC2360 | 162,70 | 0,100 |
| PC2361 | 162,70 | 0,040 |
| PC2362 | 162,70 | 0,000 |
| PC2363 | 162,70 | 0,040 |
| PC2364 | 162,70 | 0,000 |
| PC2365 | 162,70 | 0,000 |
| PC2366 | 162,70 | 0,050 |
| PC2367 | 162,70 | 0,000 |
| PC2368 | 162,70 | 0,000 |
| PC2369 | 162,70 | 0,000 |
| PC237  | 185,70 | 0,000 |
| PC2370 | 162,70 | 0,000 |
| PC2371 | 162,70 | 0,000 |
| PC2372 | 163,70 | 0,100 |
| PC2373 | 163,70 | 0,070 |
| PC2374 | 163,70 | 0,100 |
| PC2375 | 163,70 | 0,050 |
| PC2376 | 163,70 | 0,100 |
| PC2377 | 163,70 | 0,000 |
| PC2378 | 163,70 | 0,050 |
| PC2379 | 162,70 | 1,000 |
| PC238  | 195,70 | 0,050 |
| PC2380 | 163,70 | 0,050 |
| PC2381 | 162,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>400/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2382 | 162,70 | 0,070 |
| PC2383 | 162,70 | 0,080 |
| PC2384 | 162,70 | 0,050 |
| PC2385 | 162,70 | 0,100 |
| PC2386 | 162,70 | 0,110 |
| PC2387 | 162,70 | 0,100 |
| PC2388 | 162,70 | 0,230 |
| PC2389 | 161,70 | 0,320 |
| PC239  | 190,70 | 0,050 |
| PC2390 | 161,70 | 0,100 |
| PC2391 | 162,70 | 0,100 |
| PC2392 | 163,70 | 0,090 |
| PC2393 | 163,70 | 0,050 |
| PC2394 | 162,70 | 0,000 |
| PC2395 | 162,70 | 0,100 |
| PC2396 | 162,70 | 0,330 |
| 24     | 183,70 | 0,000 |
| PC2397 | 161,70 | 0,100 |
| PC2398 | 161,70 | 0,170 |
| PC2399 | 161,70 | 0,100 |
| PC24   | 308,70 | 0,050 |
| PC240  | 238,70 | 0,000 |
| PC2400 | 161,70 | 0,290 |
| PC2401 | 161,70 | 0,000 |
| PC2402 | 162,70 | 0,330 |
| PC2403 | 161,70 | 0,150 |
| PC2404 | 161,70 | 0,100 |
| PC2405 | 161,70 | 0,000 |
| PC2406 | 161,70 | 0,000 |
| PC2407 | 161,70 | 0,000 |
| PC2408 | 161,70 | 0,000 |
| PC2409 | 161,70 | 0,050 |
| PC241  | 240,70 | 0,050 |
| PC2410 | 161,70 | 0,150 |
| PC2411 | 161,70 | 0,100 |
| PC2412 | 161,70 | 0,220 |
| PC2413 | 161,70 | 0,330 |
| PC2414 | 161,70 | 0,000 |
| PC2415 | 161,70 | 0,110 |
| PC2416 | 161,70 | 0,330 |
| PC2417 | 161,70 | 0,040 |
| PC2418 | 161,70 | 0,000 |
| PC2419 | 161,70 | 0,000 |
| PC242  | 249,70 | 0,000 |
| PC2420 | 160,70 | 0,000 |
| PC2421 | 160,70 | 0,200 |
| PC2422 | 160,70 | 0,070 |
| PC2423 | 160,70 | 0,000 |
| PC2424 | 160,70 | 0,040 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
401/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC2425  | 161,70 | 0,200 |
| PC2426  | 161,70 | 0,100 |
| PC2427  | 161,70 | 0,090 |
| PC2428  | 161,70 | 0,100 |
| PC2429  | 161,70 | 0,090 |
| PC243   | 248,70 | 0,000 |
| PC2430  | 160,70 | 0,200 |
| PC2431  | 158,70 | 0,000 |
| PC2432  | 158,70 | 0,200 |
| PC2433  | 158,70 | 0,000 |
| PC2434  | 158,70 | 0,000 |
| PC2435  | 158,70 | 0,030 |
| PC2436  | 158,70 | 0,030 |
| PC2437  | 157,70 | 0,000 |
| PC2438  | 157,70 | 0,000 |
| PC2439  | 157,70 | 0,000 |
| PC243A  | 162,70 | 0,100 |
| PC244   | 233,70 | 0,050 |
| PC2440  | 158,70 | 1,000 |
| PC2441  | 164,70 | 0,000 |
| PC2442  | 164,70 | 0,000 |
| PC2443  | 162,70 | 0,000 |
| PC2444  | 178,70 | 0,000 |
| PC24446 | 179,70 | 0,000 |
| PC2445  | 179,70 | 0,000 |
| PC2447  | 177,82 | 0,200 |
| PC2448  | 178,70 | 0,000 |
| PC2449  | 178,70 | 0,100 |
| PC245   | 246,70 | 0,050 |
| PC2450  | 178,70 | 0,000 |
| PC2451  | 162,70 | 0,000 |
| PC2452  | 162,70 | 0,970 |
| PC2453  | 162,70 | 0,200 |
| PC2454  | 163,70 | 0,000 |
| PC2455  | 163,70 | 0,300 |
| PC2456  | 163,70 | 0,430 |
| PC2457  | 163,70 | 0,100 |
| PC2458  | 161,70 | 0,000 |
| PC2459  | 161,70 | 0,200 |
| PC246   | 238,70 | 0,000 |
| PC2460  | 161,70 | 0,150 |
| PC2461  | 162,70 | 0,290 |
| PC2462  | 164,70 | 0,000 |
| PC2463  | 160,70 | 0,310 |
| PC2464  | 159,70 | 0,160 |
| PC2465  | 158,70 | 0,000 |
| PC2466  | 160,71 | 0,000 |
| PC2467  | 156,85 | 0,000 |
| PC2468  | 160,61 | 0,030 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOPSKRIBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
402/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC2469 | 160,70 | 0,000 |
| PC246A | 238,70 | 0,000 |
| PC247  | 198,70 | 0,050 |
| PC2470 | 160,70 | 0,030 |
| PC2471 | 160,70 | 0,000 |
| PC2472 | 160,70 | 0,000 |
| PC2473 | 160,70 | 0,030 |
| PC2474 | 179,70 | 0,000 |
| PC2475 | 179,70 | 0,000 |
| PC2476 | 179,70 | 0,200 |
| PC2477 | 179,70 | 0,200 |
| PC2478 | 180,70 | 0,000 |
| PC2479 | 180,70 | 0,200 |
| PC248  | 283,70 | 0,000 |
| PC2481 | 178,70 | 0,000 |
| PC2482 | 178,70 | 0,000 |
| PC2483 | 168,70 | 0,000 |
| PC2484 | 166,70 | 0,000 |
| PC2485 | 178,70 | 0,000 |
| PC2486 | 183,70 | 0,200 |
| PC2487 | 178,70 | 0,000 |
| PC2488 | 182,70 | 0,200 |
| PC2489 | 178,70 | 0,150 |
| PC249  | 258,70 | 0,050 |
| PC2490 | 181,70 | 0,050 |
| PC2491 | 184,70 | 0,000 |
| PC2492 | 162,70 | 0,000 |
| PC2493 | 167,70 | 0,200 |
| PC2494 | 161,70 | 0,200 |
| PC2495 | 162,70 | 0,000 |
| PC2496 | 176,70 | 0,200 |
| PC2497 | 158,49 | 0,000 |
| PC2498 | 158,70 | 0,000 |
| PC2499 | 158,70 | 0,000 |
| PC249A | 258,70 | 0,000 |
| PC25   | 266,70 | 0,000 |
| PC250  | 264,70 | 0,050 |
| PC2500 | 157,70 | 0,200 |
| PC2501 | 157,70 | 0,000 |
| PC2502 | 157,70 | 0,000 |
| PC2503 | 158,70 | 0,000 |
| PC2504 | 158,70 | 0,000 |
| PC2505 | 158,70 | 0,200 |
| PC2506 | 158,70 | 0,000 |
| 25     | 189,70 | 0,000 |
| PC2507 | 158,70 | 0,200 |
| PC2508 | 158,70 | 0,200 |
| PC2509 | 156,70 | 0,000 |
| PC251  | 203,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>403/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2510 | 157,70 | 0,000 |
| PC2511 | 159,08 | 0,000 |
| PC2512 | 159,62 | 0,000 |
| PC2513 | 159,62 | 0,000 |
| PC2514 | 159,62 | 0,200 |
| PC2515 | 159,13 | 0,000 |
| PC2516 | 158,70 | 0,200 |
| PC2517 | 158,08 | 0,000 |
| PC2518 | 158,08 | 0,000 |
| PC2519 | 158,08 | 0,200 |
| PC252  | 208,70 | 0,000 |
| PC2520 | 158,08 | 0,200 |
| PC2521 | 157,92 | 0,100 |
| PC2522 | 157,70 | 0,100 |
| PC2523 | 157,70 | 0,200 |
| PC2524 | 154,70 | 0,000 |
| PC2525 | 155,70 | 0,000 |
| PC2526 | 156,70 | 0,000 |
| PC2527 | 156,40 | 0,000 |
| PC2528 | 156,70 | 0,200 |
| PC2529 | 156,20 | 0,000 |
| PC253  | 193,70 | 0,050 |
| PC2530 | 156,41 | 0,200 |
| PC2531 | 156,70 | 0,000 |
| PC2532 | 156,70 | 0,000 |
| PC2533 | 156,70 | 0,000 |
| PC2534 | 157,53 | 0,000 |
| PC2535 | 157,70 | 0,000 |
| PC2536 | 157,70 | 0,150 |
| PC2537 | 157,70 | 0,000 |
| PC2538 | 157,53 | 0,000 |
| PC2539 | 157,53 | 0,200 |
| PC254  | 271,70 | 0,000 |
| PC2540 | 157,53 | 0,200 |
| PC2541 | 157,00 | 0,000 |
| PC2542 | 157,00 | 0,000 |
| PC2543 | 157,00 | 0,200 |
| PC2544 | 156,70 | 0,000 |
| PC2545 | 155,13 | 0,200 |
| PC2546 | 154,43 | 0,000 |
| PC2547 | 155,55 | 0,200 |
| PC2548 | 155,62 | 0,000 |
| PC2549 | 156,70 | 0,000 |
| PC255  | 270,70 | 0,050 |
| PC2550 | 156,70 | 0,000 |
| PC2551 | 156,70 | 0,000 |
| PC2552 | 156,70 | 0,000 |
| PC2553 | 156,70 | 0,000 |
| PC2554 | 156,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>404/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2555 | 156,70 | 0,000 |
| PC2556 | 156,70 | 0,000 |
| PC2557 | 156,70 | 0,000 |
| PC2558 | 157,00 | 0,000 |
| PC2559 | 156,16 | 0,000 |
| PC256  | 191,70 | 0,050 |
| PC2560 | 157,00 | 0,000 |
| PC2561 | 156,67 | 0,050 |
| PC2562 | 156,58 | 0,150 |
| PC2563 | 159,24 | 0,200 |
| PC2564 | 154,70 | 0,000 |
| PC2565 | 154,51 | 0,200 |
| PC2566 | 154,67 | 0,000 |
| PC2567 | 152,75 | 0,000 |
| PC2568 | 152,79 | 0,000 |
| PC2569 | 152,79 | 0,200 |
| PC257  | 252,70 | 0,000 |
| PC2570 | 151,97 | 0,000 |
| PC2571 | 153,43 | 0,000 |
| PC2572 | 152,63 | 0,000 |
| PC2573 | 152,99 | 0,000 |
| PC2574 | 152,31 | 0,000 |
| PC2575 | 152,23 | 0,200 |
| PC2576 | 152,93 | 0,000 |
| PC2578 | 152,43 | 0,200 |
| PC2579 | 152,47 | 0,090 |
| PC258  | 254,70 | 0,050 |
| PC2580 | 152,67 | 0,200 |
| PC2581 | 153,19 | 0,000 |
| PC2582 | 152,68 | 0,200 |
| PC2583 | 153,59 | 0,200 |
| PC2584 | 153,93 | 0,200 |
| PC2585 | 152,39 | 0,000 |
| PC2586 | 153,43 | 0,200 |
| PC2587 | 152,03 | 0,000 |
| PC2588 | 152,99 | 0,200 |
| PC2589 | 151,53 | 0,200 |
| PC259  | 252,70 | 0,050 |
| PC2590 | 152,20 | 0,000 |
| PC2591 | 152,47 | 0,200 |
| PC2592 | 152,36 | 0,000 |
| PC2593 | 153,90 | 0,200 |
| PC2594 | 153,11 | 0,000 |
| PC2595 | 161,01 | 0,000 |
| PC2596 | 154,36 | 0,200 |
| PC2597 | 153,91 | 0,000 |
| PC2598 | 155,42 | 0,000 |
| PC2599 | 156,36 | 0,200 |
| PC26   | 271,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>405/512   |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |  | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| 26     | 191,00 | 0,000 |
| PC260  | 260,70 | 0,050 |
| PC2600 | 162,08 | 0,200 |
| PC2601 | 151,79 | 0,200 |
| PC2602 | 158,84 | 0,000 |
| PC2603 | 161,75 | 0,200 |
| PC2604 | 157,49 | 0,000 |
| PC2605 | 157,39 | 0,200 |
| PC2606 | 157,70 | 0,000 |
| PC2607 | 162,70 | 0,000 |
| PC2608 | 158,70 | 0,000 |
| PC2609 | 154,70 | 0,000 |
| PC261  | 269,70 | 0,050 |
| PC2610 | 155,70 | 0,100 |
| PC2611 | 155,70 | 0,000 |
| PC2612 | 155,70 | 0,000 |
| PC2613 | 153,70 | 0,000 |
| PC2614 | 153,70 | 0,000 |
| PC2615 | 152,70 | 0,100 |
| PC2616 | 153,70 | 0,000 |
| PC2617 | 152,70 | 0,100 |
| PC2618 | 153,70 | 0,000 |
| PC2619 | 153,70 | 0,100 |
| PC262  | 230,70 | 0,050 |
| PC2620 | 153,70 | 0,000 |
| PC2621 | 154,70 | 0,100 |
| PC2622 | 153,70 | 0,000 |
| PC2623 | 153,70 | 0,000 |
| PC2624 | 152,70 | 0,100 |
| PC2625 | 154,70 | 0,000 |
| PC2626 | 151,70 | 0,100 |
| PC2627 | 151,70 | 0,000 |
| PC2628 | 147,70 | 0,000 |
| PC2629 | 146,70 | 0,050 |
| PC263  | 280,70 | 0,050 |
| PC2630 | 150,70 | 0,000 |
| PC2631 | 149,70 | 0,100 |
| PC2632 | 150,70 | 0,000 |
| PC2633 | 150,70 | 0,100 |
| PC2634 | 150,70 | 0,100 |
| PC2635 | 151,70 | 0,000 |
| PC2636 | 156,70 | 0,000 |
| PC2637 | 156,05 | 0,000 |
| PC2638 | 155,80 | 0,200 |
| PC2639 | 156,70 | 0,200 |
| PC264  | 269,70 | 0,050 |
| PC2640 | 156,70 | 0,140 |
| PC2641 | 157,70 | 0,100 |
| PC2642 | 156,70 | 0,140 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>406/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2643 | 155,70 | 0,050 |
| PC2644 | 155,70 | 0,100 |
| PC2645 | 154,70 | 0,000 |
| PC2646 | 153,70 | 0,100 |
| PC2647 | 156,70 | 0,100 |
| PC2648 | 152,70 | 0,000 |
| PC2649 | 152,70 | 0,000 |
| PC265  | 262,70 | 0,000 |
| PC2650 | 152,70 | 0,100 |
| PC2651 | 155,70 | 0,000 |
| PC2652 | 157,70 | 0,000 |
| PC2653 | 154,70 | 0,050 |
| PC2654 | 157,70 | 0,050 |
| PC2655 | 157,70 | 0,050 |
| PC2656 | 157,70 | 0,100 |
| PC2657 | 156,70 | 0,000 |
| PC2658 | 156,70 | 0,050 |
| PC2659 | 156,70 | 0,050 |
| PC266  | 198,70 | 0,000 |
| PC2660 | 157,70 | 0,100 |
| PC2661 | 156,70 | 0,100 |
| PC2662 | 157,70 | 0,100 |
| PC2663 | 156,70 | 0,000 |
| PC2664 | 156,70 | 0,090 |
| PC2665 | 154,70 | 0,000 |
| PC2666 | 156,70 | 0,050 |
| PC2667 | 158,70 | 0,000 |
| PC2668 | 158,70 | 0,050 |
| PC2669 | 157,70 | 0,050 |
| PC267  | 184,70 | 0,050 |
| PC2670 | 158,70 | 0,050 |
| PC2671 | 156,70 | 0,100 |
| PC2672 | 156,70 | 0,100 |
| PC2673 | 156,70 | 0,000 |
| PC2674 | 156,70 | 0,100 |
| PC2675 | 156,70 | 0,000 |
| PC2676 | 156,70 | 0,100 |
| PC2677 | 158,70 | 0,000 |
| PC2678 | 158,70 | 0,100 |
| PC2679 | 157,70 | 0,000 |
| PC2680 | 158,70 | 0,100 |
| PC2681 | 157,70 | 0,000 |
| PC2682 | 157,70 | 0,100 |
| PC2683 | 158,70 | 0,100 |
| PC2684 | 157,70 | 0,100 |
| PC2685 | 157,70 | 0,000 |
| PC2686 | 157,70 | 0,100 |
| PC2687 | 158,70 | 0,000 |
| PC2688 | 159,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>407/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2689 | 155,70 | 0,000 |
| PC2690 | 155,70 | 0,050 |
| PC2691 | 156,70 | 0,000 |
| PC2692 | 156,70 | 0,000 |
| PC2693 | 155,70 | 0,000 |
| PC2694 | 155,70 | 0,000 |
| PC2695 | 155,70 | 0,000 |
| PC2696 | 155,70 | 0,000 |
| PC2697 | 155,70 | 0,000 |
| PC2698 | 155,70 | 0,000 |
| PC2699 | 155,70 | 0,000 |
| PC2700 | 155,70 | 0,000 |
| PC2701 | 154,70 | 0,000 |
| PC2702 | 155,70 | 0,000 |
| PC2703 | 155,70 | 0,000 |
| 27     | 182,70 | 0,000 |
| PC2704 | 153,70 | 0,000 |
| PC2705 | 152,70 | 0,000 |
| PC2706 | 152,70 | 0,210 |
| PC2707 | 152,70 | 0,000 |
| PC2708 | 151,70 | 0,200 |
| PC2709 | 152,70 | 0,000 |
| PC271  | 210,70 | 0,050 |
| PC2710 | 152,70 | 0,200 |
| PC2711 | 152,70 | 0,000 |
| PC2712 | 151,70 | 0,200 |
| PC2713 | 152,70 | 0,000 |
| PC2714 | 151,70 | 0,200 |
| PC2715 | 152,70 | 0,000 |
| PC2716 | 151,70 | 0,200 |
| PC2717 | 151,70 | 0,000 |
| PC2718 | 151,70 | 0,200 |
| PC2719 | 152,70 | 0,000 |
| PC2720 | 152,70 | 0,000 |
| PC2721 | 150,70 | 0,100 |
| PC2722 | 150,70 | 0,000 |
| PC2723 | 151,70 | 0,100 |
| PC2724 | 150,70 | 0,100 |
| PC2725 | 151,70 | 0,100 |
| PC2726 | 151,70 | 0,050 |
| PC2727 | 149,70 | 0,100 |
| PC2728 | 150,70 | 0,000 |
| PC2729 | 150,70 | 0,100 |
| PC273  | 194,70 | 0,050 |
| PC2730 | 151,70 | 0,100 |
| PC2731 | 147,70 | 0,000 |
| PC2732 | 150,70 | 0,100 |
| PC2733 | 149,70 | 0,000 |
| PC2734 | 150,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>408/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC2735 | 149,70 | 0,100 |
| PC2736 | 149,70 | 0,000 |
| PC2737 | 149,70 | 0,190 |
| PC2738 | 149,70 | 0,000 |
| PC2739 | 148,70 | 0,000 |
| PC2740 | 148,70 | 0,100 |
| PC2741 | 149,70 | 0,100 |
| PC2742 | 149,70 | 0,100 |
| PC2743 | 148,70 | 0,270 |
| PC2744 | 147,70 | 0,100 |
| PC2745 | 147,70 | 0,100 |
| PC2746 | 148,70 | 0,000 |
| PC2747 | 148,70 | 0,000 |
| PC2748 | 149,70 | 0,000 |
| PC2749 | 147,70 | 0,000 |
| PC275  | 181,70 | 0,050 |
| PC2750 | 151,70 | 0,000 |
| PC2751 | 152,70 | 0,000 |
| PC2752 | 151,70 | 0,000 |
| PC2754 | 151,70 | 0,200 |
| PC2755 | 153,70 | 0,200 |
| PC2756 | 152,70 | 0,000 |
| PC2757 | 151,70 | 0,000 |
| PC2758 | 151,70 | 0,000 |
| PC2759 | 151,70 | 0,200 |
| PC278  | 187,70 | 0,000 |
| PC2780 | 151,70 | 0,000 |
| PC2781 | 151,70 | 0,000 |
| PC2782 | 151,70 | 0,000 |
| PC2783 | 151,70 | 0,000 |
| PC2784 | 151,70 | 0,000 |
| PC2785 | 151,70 | 0,000 |
| PC2786 | 152,70 | 0,000 |
| PC2787 | 152,70 | 0,200 |
| PC2788 | 152,70 | 0,000 |
| PC2789 | 152,70 | 0,200 |
| PC279  | 187,70 | 0,000 |
| PC2790 | 152,70 | 0,000 |
| PC2791 | 150,70 | 0,000 |
| PC2792 | 151,70 | 0,200 |
| PC2793 | 152,70 | 0,000 |
| PC2794 | 152,70 | 0,200 |
| PC2795 | 152,70 | 0,200 |
| PC2796 | 152,70 | 0,000 |
| PC2797 | 151,70 | 0,000 |
| PC2799 | 152,70 | 0,000 |
| PC28   | 270,70 | 0,000 |
| PC280  | 189,70 | 0,050 |
| PC2800 | 152,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>409/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| 28     | 141,70 | 0,000 |
| PC2801 | 151,70 | 0,000 |
| PC2802 | 153,91 | 0,000 |
| PC2803 | 153,10 | 0,000 |
| PC2804 | 153,10 | 0,000 |
| PC2805 | 153,37 | 0,000 |
| PC2806 | 153,10 | 0,000 |
| PC2807 | 153,10 | 0,000 |
| PC2808 | 153,16 | 0,000 |
| PC2809 | 153,12 | 0,100 |
| PC281  | 199,70 | 0,050 |
| PC2810 | 153,10 | 0,000 |
| PC2811 | 153,14 | 0,100 |
| PC2812 | 153,63 | 0,000 |
| PC2813 | 153,24 | 0,100 |
| PC2814 | 153,00 | 0,000 |
| PC2815 | 152,95 | 0,000 |
| PC2816 | 153,47 | 0,000 |
| PC2817 | 153,79 | 0,000 |
| PC2818 | 153,43 | 0,100 |
| PC2819 | 153,69 | 0,000 |
| PC2820 | 153,69 | 0,000 |
| PC2821 | 153,72 | 0,000 |
| PC2822 | 153,58 | 0,000 |
| PC2823 | 153,69 | 0,100 |
| PC2824 | 153,64 | 0,000 |
| PC2825 | 153,34 | 0,000 |
| PC2826 | 153,63 | 0,000 |
| PC2827 | 153,50 | 0,100 |
| PC2828 | 153,62 | 0,000 |
| PC2829 | 153,70 | 0,000 |
| PC283  | 209,70 | 0,050 |
| PC2830 | 153,47 | 0,000 |
| PC2831 | 153,70 | 0,000 |
| PC2832 | 154,20 | 0,100 |
| PC2833 | 152,48 | 0,100 |
| PC2834 | 154,70 | 0,000 |
| PC2835 | 154,70 | 0,000 |
| PC2836 | 155,20 | 0,000 |
| PC2837 | 154,30 | 0,100 |
| PC2838 | 154,70 | 0,000 |
| PC2839 | 154,70 | 0,000 |
| PC284  | 184,70 | 0,050 |
| PC2840 | 154,70 | 0,000 |
| PC2841 | 154,88 | 0,000 |
| PC2842 | 154,88 | 0,000 |
| PC2843 | 154,88 | 0,030 |
| PC2844 | 154,70 | 0,040 |
| PC2845 | 154,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>410/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC2846 | 155,06 | 0,030 |
| PC2847 | 154,70 | 0,000 |
| PC2848 | 155,13 | 0,000 |
| PC2849 | 154,70 | 0,000 |
| PC285  | 191,70 | 0,050 |
| PC2850 | 155,70 | 0,040 |
| PC2851 | 155,48 | 0,030 |
| PC2852 | 155,70 | 0,030 |
| PC2853 | 155,61 | 0,000 |
| PC2854 | 155,70 | 0,000 |
| PC2855 | 154,75 | 0,100 |
| PC2856 | 155,70 | 0,100 |
| PC2857 | 155,59 | 0,100 |
| PC2858 | 154,70 | 0,000 |
| PC2859 | 154,70 | 0,000 |
| PC286  | 182,70 | 0,050 |
| PC2860 | 154,70 | 0,100 |
| PC2861 | 155,70 | 0,100 |
| PC2862 | 155,70 | 0,100 |
| PC2863 | 155,70 | 0,100 |
| PC2864 | 156,51 | 0,100 |
| PC2865 | 154,97 | 0,000 |
| PC2866 | 154,97 | 0,100 |
| PC2867 | 154,92 | 0,000 |
| PC2868 | 155,19 | 0,000 |
| PC2869 | 156,45 | 0,100 |
| PC287  | 191,70 | 0,050 |
| PC2870 | 155,29 | 0,000 |
| PC2871 | 154,95 | 0,100 |
| PC2872 | 155,34 | 0,000 |
| PC2873 | 155,78 | 0,100 |
| PC2874 | 155,62 | 0,100 |
| PC2875 | 155,77 | 0,100 |
| PC2876 | 155,20 | 0,000 |
| PC2877 | 156,41 | 0,100 |
| PC2878 | 157,01 | 0,000 |
| PC2879 | 156,62 | 0,100 |
| PC288  | 183,09 | 0,000 |
| PC2880 | 156,29 | 0,130 |
| PC2881 | 155,99 | 0,100 |
| PC2882 | 155,75 | 0,000 |
| PC2883 | 155,74 | 0,000 |
| PC2884 | 155,70 | 0,100 |
| PC2885 | 156,12 | 0,000 |
| PC2886 | 155,73 | 0,000 |
| PC2887 | 155,70 | 0,100 |
| PC2888 | 156,72 | 0,100 |
| PC2889 | 155,70 | 0,000 |
| PC289  | 179,28 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>411/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2890 | 156,70 | 0,000 |
| PC2891 | 157,70 | 0,000 |
| PC2892 | 157,70 | 0,000 |
| PC2893 | 157,70 | 0,100 |
| PC2894 | 157,70 | 0,000 |
| PC2895 | 157,70 | 0,100 |
| PC2896 | 156,70 | 0,100 |
| PC2897 | 157,70 | 0,100 |
| PC2898 | 157,70 | 0,100 |
| PC2899 | 157,70 | 0,000 |
| PC28A  | 270,70 | 0,000 |
| PC29   | 242,70 | 0,000 |
| PC290  | 179,04 | 0,000 |
| PC2900 | 157,70 | 0,060 |
| PC2901 | 158,70 | 0,100 |
| PC2902 | 159,70 | 0,100 |
| PC2903 | 158,70 | 0,000 |
| PC2904 | 155,15 | 0,000 |
| PC2905 | 155,76 | 0,100 |
| PC2906 | 152,93 | 0,000 |
| PC2907 | 152,70 | 0,100 |
| PC2908 | 153,50 | 0,000 |
| PC2909 | 152,53 | 0,100 |
| PC291  | 191,09 | 0,100 |
| PC2910 | 152,08 | 0,100 |
| PC2911 | 151,70 | 0,000 |
| PC2912 | 151,36 | 0,100 |
| PC2913 | 153,00 | 0,000 |
| PC2914 | 152,00 | 0,100 |
| PC2915 | 152,70 | 0,000 |
| PC2916 | 152,79 | 0,000 |
| PC2917 | 152,70 | 0,100 |
| PC2918 | 152,57 | 0,030 |
| PC2919 | 152,70 | 0,000 |
| PC292  | 175,16 | 0,040 |
| PC2920 | 150,73 | 0,000 |
| PC2921 | 150,26 | 0,100 |
| PC2922 | 151,09 | 0,100 |
| PC2923 | 151,60 | 0,030 |
| PC2924 | 150,61 | 0,030 |
| PC2925 | 150,70 | 0,040 |
| PC2926 | 150,70 | 0,000 |
| PC2927 | 148,70 | 0,060 |
| PC2928 | 148,70 | 0,030 |
| PC2929 | 149,70 | 0,000 |
| PC292A | 175,16 | 0,000 |
| PC293  | 179,70 | 0,000 |
| PC2930 | 148,70 | 0,000 |
| PC2931 | 148,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>412/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2932 | 148,70 | 0,030 |
| PC2933 | 148,70 | 0,050 |
| PC2934 | 148,70 | 0,030 |
| PC2935 | 148,70 | 0,100 |
| PC2936 | 148,70 | 0,000 |
| PC2937 | 148,70 | 0,000 |
| PC2938 | 148,70 | 0,030 |
| PC2939 | 148,70 | 0,000 |
| PC294  | 182,70 | 0,050 |
| PC2940 | 148,70 | 0,030 |
| PC2941 | 148,70 | 0,000 |
| PC2942 | 148,70 | 0,000 |
| PC2943 | 148,70 | 0,000 |
| PC2944 | 148,70 | 0,000 |
| PC2945 | 148,70 | 0,000 |
| PC2946 | 148,70 | 0,100 |
| PC2947 | 148,70 | 0,000 |
| PC2948 | 148,70 | 0,220 |
| PC2949 | 148,70 | 0,000 |
| PC295  | 177,70 | 0,000 |
| 29     | 152,70 | 0,000 |
| PC2950 | 148,70 | 0,000 |
| PC2951 | 148,70 | 0,100 |
| PC2952 | 148,70 | 0,050 |
| PC2953 | 148,70 | 0,190 |
| PC2954 | 146,70 | 0,110 |
| PC2955 | 146,70 | 0,180 |
| PC2956 | 146,70 | 0,000 |
| PC2957 | 145,70 | 0,080 |
| PC2958 | 145,70 | 0,030 |
| PC2959 | 145,70 | 0,030 |
| PC296  | 177,70 | 0,050 |
| PC2960 | 145,70 | 0,030 |
| PC2961 | 145,70 | 0,040 |
| PC2962 | 145,70 | 0,060 |
| PC2963 | 146,70 | 0,100 |
| PC2964 | 145,70 | 0,000 |
| PC2965 | 147,70 | 0,040 |
| PC2966 | 146,70 | 0,000 |
| PC2967 | 146,70 | 0,040 |
| PC2968 | 145,70 | 0,000 |
| PC2969 | 145,70 | 0,040 |
| PC297  | 184,00 | 0,000 |
| PC2970 | 145,70 | 0,000 |
| PC2971 | 145,70 | 0,100 |
| PC2972 | 145,70 | 0,000 |
| PC2973 | 145,70 | 0,100 |
| PC2974 | 147,70 | 0,100 |
| PC2975 | 145,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | Elaborat:  | Stranica:<br>413/512      |
|  | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC2976 | 146,70 | 0,040 |
| PC2977 | 146,70 | 0,060 |
| PC2987 | 146,70 | 0,030 |
| PC2988 | 145,70 | 0,000 |
| PC2989 | 145,70 | 0,000 |
| PC299  | 182,03 | 0,050 |
| PC2990 | 145,70 | 0,100 |
| PC2991 | 145,70 | 0,100 |
| PC2992 | 148,70 | 0,200 |
| PC2993 | 148,70 | 0,150 |
| PC2994 | 147,70 | 0,030 |
| PC2995 | 147,70 | 0,040 |
| PC2996 | 147,70 | 0,040 |
| PC2997 | 147,70 | 0,060 |
| PC2998 | 147,70 | 0,040 |
| PC2999 | 147,70 | 0,040 |
| PC3    | 242,70 | 0,050 |
| 30     | 192,00 | 0,030 |
| 3      | 156,60 | 0,000 |
| PC30   | 249,70 | 0,050 |
| PC300  | 184,52 | 0,050 |
| PC3000 | 148,70 | 0,040 |
| PC3001 | 146,70 | 0,040 |
| PC3002 | 146,70 | 0,050 |
| PC3003 | 146,70 | 0,050 |
| PC3004 | 146,70 | 0,000 |
| PC3005 | 146,70 | 0,050 |
| PC3006 | 147,70 | 0,100 |
| PC3007 | 148,70 | 0,150 |
| PC3008 | 147,70 | 0,170 |
| PC3009 | 147,70 | 0,050 |
| PC301  | 183,10 | 0,000 |
| PC3010 | 146,70 | 0,040 |
| PC3011 | 146,70 | 0,000 |
| PC3012 | 145,70 | 0,000 |
| PC3013 | 145,70 | 0,000 |
| PC3014 | 145,70 | 0,050 |
| PC3015 | 145,70 | 0,050 |
| PC3016 | 145,70 | 0,030 |
| PC3017 | 145,70 | 0,000 |
| PC3018 | 145,70 | 0,030 |
| PC3019 | 145,70 | 0,060 |
| PC3020 | 145,70 | 0,050 |
| PC3021 | 145,70 | 0,030 |
| PC3022 | 145,70 | 0,000 |
| PC3023 | 145,70 | 0,060 |
| PC3024 | 145,70 | 0,050 |
| PC3025 | 145,70 | 0,030 |
| PC3026 | 145,70 | 0,030 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak<br>Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | Elaborat:  | Stranica:<br>414/512      |
|   | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

|        |        |       |
|--------|--------|-------|
| PC3027 | 145,70 | 0,000 |
| PC3028 | 145,70 | 0,030 |
| PC3029 | 144,70 | 0,040 |
| PC302A | 181,96 | 0,000 |
| PC303  | 181,76 | 0,030 |
| PC3030 | 144,70 | 0,000 |
| PC3031 | 144,70 | 0,040 |
| PC3032 | 145,70 | 0,040 |
| PC3033 | 145,70 | 0,040 |
| PC3034 | 145,70 | 0,040 |
| PC3035 | 145,70 | 0,030 |
| PC3036 | 145,70 | 0,040 |
| PC3037 | 145,70 | 0,100 |
| PC3038 | 145,70 | 0,100 |
| PC3039 | 145,70 | 0,100 |
| PC304  | 180,71 | 0,030 |
| PC3040 | 146,70 | 0,040 |
| PC3041 | 146,70 | 0,000 |
| PC3042 | 146,70 | 0,030 |
| PC3043 | 146,70 | 0,000 |
| PC3044 | 146,70 | 0,100 |
| PC3045 | 146,70 | 0,020 |
| PC3046 | 146,70 | 0,000 |
| PC3047 | 146,70 | 0,040 |
| PC3048 | 146,70 | 0,000 |
| PC3049 | 146,70 | 0,040 |
| PC305  | 184,34 | 0,000 |
| PC3050 | 146,70 | 0,030 |
| PC3051 | 144,70 | 0,050 |
| PC3052 | 145,70 | 0,100 |
| PC3053 | 145,70 | 0,100 |
| PC3054 | 144,70 | 0,050 |
| PC3055 | 145,70 | 0,100 |
| PC3056 | 145,70 | 0,100 |
| PC3057 | 145,70 | 0,180 |
| PC3058 | 144,70 | 0,100 |
| PC3059 | 145,70 | 0,000 |
| PC306  | 185,96 | 0,000 |
| PC3060 | 144,70 | 0,100 |
| PC3061 | 146,70 | 0,100 |
| PC3062 | 146,70 | 0,100 |
| PC3063 | 146,70 | 0,100 |
| PC3064 | 145,70 | 0,000 |
| PC3065 | 145,70 | 0,000 |
| PC3066 | 145,70 | 0,000 |
| PC3067 | 146,14 | 0,100 |
| PC3068 | 144,86 | 0,100 |
| PC3069 | 146,47 | 0,100 |
| PC307  | 182,09 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>415/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |   | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC3070 | 146,96 | 0,020 |
| PC3071 | 146,88 | 0,000 |
| PC3072 | 146,65 | 0,100 |
| PC3073 | 146,68 | 0,000 |
| PC3074 | 146,94 | 0,100 |
| PC3075 | 146,24 | 0,000 |
| PC3076 | 146,97 | 0,100 |
| PC3077 | 146,74 | 0,000 |
| PC3078 | 147,26 | 0,050 |
| PC3079 | 147,52 | 0,100 |
| PC308  | 183,02 | 0,040 |
| PC3080 | 145,33 | 0,200 |
| PC3081 | 144,97 | 0,000 |
| PC3082 | 145,15 | 0,000 |
| PC3084 | 145,32 | 0,000 |
| PC3086 | 144,99 | 0,000 |
| PC3087 | 145,35 | 0,000 |
| PC3088 | 145,57 | 0,000 |
| PC3089 | 145,59 | 0,200 |
| PC309  | 181,02 | 0,000 |
| PC3090 | 145,68 | 0,000 |
| PC3091 | 144,78 | 0,140 |
| PC3092 | 145,79 | 0,200 |
| PC3093 | 145,23 | 0,000 |
| PC3094 | 146,98 | 0,200 |
| PC3095 | 145,18 | 0,000 |
| PC3096 | 145,20 | 0,000 |
| PC3097 | 146,70 | 0,000 |
| PC3098 | 146,70 | 0,100 |
| PC3099 | 146,70 | 0,100 |
| 31     | 192,00 | 0,030 |
| PC31   | 193,70 | 0,000 |
| PC310  | 174,87 | 0,000 |
| PC3100 | 145,70 | 0,100 |
| PC3101 | 145,70 | 0,000 |
| PC3102 | 146,70 | 0,100 |
| PC3103 | 144,70 | 0,110 |
| PC3104 | 145,70 | 0,000 |
| PC3105 | 145,70 | 0,000 |
| PC3106 | 144,70 | 0,100 |
| PC3107 | 145,70 | 0,100 |
| PC3108 | 144,70 | 0,100 |
| PC3109 | 144,70 | 0,100 |
| PC311  | 182,53 | 0,040 |
| PC3110 | 145,70 | 0,000 |
| PC3111 | 144,70 | 0,100 |
| PC3112 | 144,70 | 0,000 |
| PC3113 | 144,70 | 0,000 |
| PC3114 | 144,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>416/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC3115 | 144,70 | 0,000 |
| PC3116 | 144,70 | 0,000 |
| PC3117 | 144,70 | 0,000 |
| PC3118 | 144,70 | 0,000 |
| PC3119 | 144,70 | 0,200 |
| PC312  | 172,15 | 0,040 |
| PC3120 | 144,70 | 0,200 |
| PC3121 | 144,70 | 0,000 |
| PC3122 | 142,70 | 0,200 |
| PC3123 | 146,70 | 0,200 |
| PC3124 | 146,70 | 0,000 |
| PC3125 | 145,70 | 0,200 |
| PC3126 | 148,70 | 0,000 |
| PC3127 | 148,70 | 0,200 |
| PC3128 | 150,70 | 0,000 |
| PC3129 | 149,70 | 0,200 |
| PC313  | 182,40 | 0,000 |
| PC3130 | 148,70 | 0,000 |
| PC3131 | 148,70 | 0,200 |
| PC3132 | 144,70 | 0,200 |
| PC3133 | 144,70 | 0,200 |
| PC3134 | 144,70 | 0,000 |
| PC3135 | 143,70 | 0,200 |
| PC3136 | 145,70 | 0,000 |
| PC3137 | 144,70 | 0,000 |
| PC3138 | 144,70 | 0,200 |
| PC3139 | 144,70 | 0,200 |
| PC314  | 180,37 | 0,040 |
| PC3140 | 152,70 | 0,100 |
| PC3141 | 150,70 | 0,100 |
| PC3142 | 147,70 | 0,000 |
| PC3143 | 147,70 | 0,100 |
| PC3144 | 147,70 | 0,100 |
| PC3145 | 151,70 | 0,100 |
| PC3146 | 148,70 | 0,060 |
| PC3147 | 147,70 | 0,040 |
| PC3148 | 147,70 | 0,040 |
| PC3149 | 147,70 | 0,000 |
| PC315  | 183,16 | 0,000 |
| PC3150 | 147,70 | 0,060 |
| PC3151 | 152,70 | 0,000 |
| PC3152 | 152,70 | 0,100 |
| PC3153 | 151,70 | 0,000 |
| PC3154 | 150,70 | 0,000 |
| PC3155 | 150,70 | 0,100 |
| PC3156 | 152,70 | 0,000 |
| PC3157 | 151,70 | 0,000 |
| PC3158 | 151,70 | 0,000 |
| PC3159 | 151,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>417/512   |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |

|        |        |       |
|--------|--------|-------|
| PC316  | 179,65 | 0,000 |
| PC3160 | 151,70 | 0,000 |
| PC3161 | 153,70 | 0,100 |
| PC3162 | 151,70 | 0,000 |
| PC3163 | 152,70 | 0,000 |
| PC3164 | 150,70 | 0,000 |
| PC3165 | 150,70 | 0,000 |
| PC3166 | 150,70 | 0,100 |
| PC3167 | 149,70 | 0,000 |
| PC3168 | 149,70 | 0,000 |
| PC3169 | 148,70 | 0,000 |
| PC317  | 178,06 | 0,000 |
| PC3170 | 149,70 | 0,000 |
| PC3171 | 149,70 | 0,000 |
| PC3172 | 149,70 | 0,000 |
| PC3173 | 148,70 | 0,000 |
| PC3174 | 149,70 | 0,000 |
| PC3175 | 149,70 | 0,000 |
| PC3176 | 149,70 | 0,000 |
| PC3177 | 149,70 | 0,060 |
| PC3178 | 149,70 | 0,050 |
| PC3179 | 150,70 | 0,000 |
| PC318  | 181,09 | 0,100 |
| PC3180 | 147,70 | 0,000 |
| PC3181 | 148,70 | 0,000 |
| PC3182 | 151,70 | 0,000 |
| PC3183 | 151,70 | 0,000 |
| PC3184 | 152,70 | 0,100 |
| PC3185 | 146,70 | 0,000 |
| PC3186 | 146,70 | 0,100 |
| PC3187 | 147,70 | 0,000 |
| PC3188 | 149,70 | 0,000 |
| PC3189 | 150,70 | 0,000 |
| PC319  | 180,10 | 0,100 |
| PC3190 | 150,70 | 0,000 |
| PC3191 | 149,70 | 0,000 |
| PC3192 | 148,70 | 0,000 |
| PC3193 | 147,70 | 0,100 |
| PC3194 | 154,70 | 0,000 |
| PC3195 | 151,70 | 0,000 |
| PC3196 | 152,70 | 0,100 |
| PC3197 | 150,70 | 0,000 |
| PC3198 | 150,70 | 0,100 |
| PC3199 | 149,70 | 0,000 |
| 32     | 153,00 | 2,130 |
| PC32   | 193,70 | 0,050 |
| PC320  | 181,30 | 0,000 |
| PC3200 | 150,70 | 0,000 |
| PC3201 | 150,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>418/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC3202 | 151,70 | 0,000 |
| PC3203 | 154,70 | 0,000 |
| PC3204 | 155,70 | 0,000 |
| PC3205 | 155,70 | 0,000 |
| PC3206 | 155,70 | 0,100 |
| PC3207 | 152,70 | 0,000 |
| PC3208 | 152,70 | 0,000 |
| PC3209 | 152,70 | 0,100 |
| PC321  | 181,87 | 0,000 |
| PC3210 | 152,70 | 0,000 |
| PC3211 | 151,70 | 0,000 |
| PC3212 | 151,70 | 0,100 |
| PC3213 | 150,70 | 0,000 |
| PC3214 | 149,70 | 0,100 |
| PC3215 | 155,70 | 0,100 |
| PC3216 | 152,70 | 0,000 |
| PC3217 | 152,70 | 0,100 |
| PC3218 | 151,70 | 0,000 |
| PC3219 | 154,70 | 0,000 |
| PC322  | 168,72 | 0,040 |
| PC3220 | 152,70 | 0,180 |
| PC3221 | 153,70 | 0,000 |
| PC3222 | 153,70 | 0,100 |
| PC3223 | 156,70 | 0,000 |
| PC3224 | 156,70 | 0,100 |
| PC3225 | 156,70 | 0,100 |
| PC3226 | 154,70 | 0,000 |
| PC3227 | 154,70 | 0,100 |
| PC3228 | 153,70 | 0,000 |
| PC3229 | 154,70 | 0,100 |
| PC3230 | 155,70 | 0,000 |
| PC3231 | 154,70 | 0,050 |
| PC3232 | 155,70 | 0,000 |
| PC3233 | 156,70 | 0,050 |
| PC3234 | 156,70 | 0,000 |
| PC3235 | 156,70 | 0,000 |
| PC3236 | 156,70 | 0,000 |
| PC3237 | 146,70 | 0,000 |
| PC3238 | 144,70 | 0,100 |
| PC3239 | 143,70 | 0,000 |
| PC324  | 182,40 | 0,040 |
| PC3240 | 143,70 | 0,100 |
| PC3241 | 144,70 | 0,000 |
| PC3242 | 143,70 | 0,100 |
| PC3243 | 143,70 | 0,000 |
| PC3244 | 143,70 | 0,110 |
| PC3245 | 144,70 | 0,000 |
| PC3246 | 144,70 | 0,000 |
| PC3247 | 143,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>419/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|        |        |       |
|--------|--------|-------|
| PC3248 | 143,70 | 0,100 |
| PC3249 | 143,70 | 0,100 |
| PC325  | 180,34 | 0,000 |
| PC3250 | 144,70 | 0,000 |
| PC3251 | 144,70 | 0,000 |
| PC3252 | 144,70 | 0,000 |
| PC3253 | 144,70 | 0,100 |
| PC3254 | 144,70 | 0,100 |
| PC3255 | 144,70 | 0,000 |
| PC3256 | 144,70 | 0,000 |
| PC3257 | 144,70 | 0,000 |
| PC3258 | 143,70 | 0,000 |
| PC3259 | 143,70 | 0,200 |
| PC326  | 181,56 | 0,040 |
| PC3260 | 143,70 | 0,200 |
| PC3261 | 143,70 | 0,000 |
| PC3262 | 143,70 | 0,000 |
| PC3263 | 143,70 | 0,200 |
| PC3264 | 143,70 | 0,200 |
| PC3265 | 143,70 | 0,000 |
| PC3266 | 142,70 | 0,200 |
| PC3267 | 143,70 | 0,000 |
| PC3268 | 143,70 | 0,000 |
| PC3269 | 142,70 | 0,000 |
| PC327  | 180,44 | 0,000 |
| PC3270 | 142,70 | 0,200 |
| PC3271 | 142,70 | 0,000 |
| PC3272 | 143,70 | 0,000 |
| PC3273 | 143,70 | 0,000 |
| PC3274 | 143,70 | 0,000 |
| PC3275 | 144,70 | 0,100 |
| PC3276 | 144,70 | 0,100 |
| PC3277 | 143,70 | 0,000 |
| PC3278 | 143,70 | 0,000 |
| PC3279 | 143,70 | 0,000 |
| PC328  | 167,97 | 0,040 |
| PC3280 | 143,70 | 0,200 |
| PC3281 | 143,70 | 0,000 |
| PC3282 | 143,70 | 0,200 |
| PC3283 | 144,70 | 0,000 |
| PC3284 | 144,70 | 0,160 |
| PC3285 | 144,70 | 0,100 |
| PC3286 | 144,70 | 0,000 |
| PC3287 | 143,70 | 0,200 |
| PC3288 | 144,70 | 0,000 |
| PC3289 | 144,70 | 0,100 |
| PC329  | 180,82 | 0,050 |
| PC3290 | 142,70 | 0,000 |
| PC3291 | 142,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
420/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC3292 | 142,70 | 0,200 |
| PC3293 | 143,70 | 0,200 |
| PC3294 | 143,70 | 0,000 |
| PC3295 | 143,70 | 0,000 |
| PC3296 | 143,70 | 0,000 |
| PC3297 | 144,70 | 0,250 |
| PC3298 | 143,70 | 0,190 |
| PC3299 | 142,70 | 0,000 |
| 33     | 221,10 | 0,000 |
| PC33   | 193,70 | 0,000 |
| PC330  | 182,95 | 0,050 |
| PC3300 | 142,70 | 0,000 |
| PC3301 | 143,70 | 0,250 |
| PC3302 | 143,70 | 0,000 |
| PC3303 | 143,70 | 0,000 |
| PC3304 | 143,70 | 0,000 |
| PC3305 | 143,70 | 0,000 |
| PC3306 | 143,70 | 0,000 |
| PC3307 | 143,70 | 0,000 |
| PC3308 | 143,70 | 0,000 |
| PC3309 | 143,70 | 0,000 |
| PC331  | 181,16 | 0,000 |
| PC3310 | 143,70 | 0,250 |
| PC3311 | 143,70 | 0,000 |
| PC3312 | 144,70 | 0,250 |
| PC3313 | 143,70 | 0,000 |
| PC3314 | 142,70 | 0,250 |
| PC3315 | 142,70 | 0,000 |
| PC3316 | 142,70 | 0,250 |
| PC3317 | 142,70 | 0,000 |
| PC3318 | 142,70 | 0,250 |
| PC3319 | 143,70 | 0,000 |
| PC332  | 182,32 | 0,050 |
| PC3320 | 143,70 | 0,250 |
| PC3321 | 143,70 | 0,000 |
| PC3322 | 144,70 | 0,000 |
| PC3323 | 144,70 | 0,000 |
| PC3324 | 144,70 | 0,250 |
| PC3325 | 145,70 | 0,000 |
| PC3326 | 144,70 | 0,250 |
| PC3327 | 143,70 | 0,000 |
| PC3328 | 143,70 | 0,100 |
| PC3329 | 143,70 | 0,000 |
| PC333  | 171,24 | 0,000 |
| PC3330 | 144,70 | 0,000 |
| PC3331 | 144,70 | 0,000 |
| PC3332 | 144,70 | 0,250 |
| PC3333 | 143,70 | 0,000 |
| PC3334 | 143,70 | 0,150 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
421/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC3335  | 143,70 | 0,000 |
| PC3336  | 142,70 | 0,250 |
| PC3337  | 145,70 | 0,000 |
| PC3338  | 145,70 | 0,000 |
| PC3339  | 142,70 | 0,000 |
| PC334   | 175,63 | 0,050 |
| PC3341  | 143,70 | 0,000 |
| PC3342  | 142,70 | 0,250 |
| PC3343  | 142,70 | 0,000 |
| PC3344  | 142,70 | 0,250 |
| PC3345  | 143,70 | 0,250 |
| PC3346  | 144,70 | 0,000 |
| PC3347  | 145,70 | 0,000 |
| PC3348  | 144,70 | 0,000 |
| PC3349  | 144,70 | 0,000 |
| PC3349A | 144,70 | 0,000 |
| PC335   | 169,12 | 0,000 |
| PC3350  | 144,70 | 0,000 |
| PC3351  | 145,70 | 0,000 |
| PC3352  | 146,70 | 0,040 |
| PC3353  | 147,70 | 0,050 |
| PC3354  | 147,70 | 0,050 |
| PC3355  | 146,70 | 0,000 |
| PC3356  | 147,70 | 0,000 |
| PC3357  | 147,70 | 0,000 |
| PC3358  | 147,70 | 0,000 |
| PC3359  | 147,70 | 0,000 |
| PC336   | 163,20 | 0,050 |
| PC3360  | 147,70 | 0,000 |
| PC3361  | 147,70 | 0,000 |
| PC3362  | 146,70 | 0,100 |
| PC3363  | 146,70 | 0,100 |
| PC3364  | 146,70 | 0,000 |
| PC3365  | 146,70 | 0,000 |
| PC3366  | 144,70 | 0,000 |
| PC3367  | 145,70 | 0,000 |
| PC3368  | 145,70 | 0,040 |
| PC3369  | 144,70 | 0,030 |
| PC337   | 163,23 | 0,050 |
| PC3370  | 144,70 | 0,020 |
| PC3371  | 144,70 | 0,030 |
| PC3372  | 144,70 | 0,030 |
| PC3373  | 143,70 | 0,040 |
| PC3374  | 145,70 | 0,000 |
| PC3375  | 145,70 | 0,000 |
| PC3376  | 145,70 | 0,030 |
| PC3377  | 145,70 | 0,030 |
| PC3378  | 145,70 | 0,000 |
| PC3379  | 145,70 | 0,000 |

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|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>422/512  |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|        |        |       |
|--------|--------|-------|
| PC338  | 162,51 | 0,000 |
| PC3380 | 145,70 | 0,040 |
| PC3381 | 143,70 | 0,000 |
| PC3382 | 144,70 | 0,040 |
| PC3383 | 142,70 | 0,000 |
| PC3384 | 141,70 | 0,040 |
| PC3385 | 143,70 | 0,000 |
| PC3386 | 144,70 | 0,000 |
| PC3387 | 144,70 | 0,000 |
| PC3388 | 144,70 | 0,030 |
| PC3389 | 144,70 | 0,030 |
| PC339  | 176,06 | 0,050 |
| PC3390 | 141,70 | 0,000 |
| PC3391 | 141,70 | 0,000 |
| PC3392 | 140,70 | 0,000 |
| PC3393 | 141,70 | 0,100 |
| PC3394 | 141,70 | 0,000 |
| PC3395 | 142,70 | 0,000 |
| PC3396 | 142,70 | 0,090 |
| PC3397 | 142,70 | 0,000 |
| PC3398 | 142,70 | 0,000 |
| PC3399 | 141,70 | 0,100 |
| 34     | 157,00 | 0,000 |
| PC339A | 163,70 | 0,050 |
| PC34   | 205,70 | 0,050 |
| PC340  | 179,30 | 0,000 |
| PC3400 | 141,70 | 0,000 |
| PC3401 | 141,70 | 0,100 |
| PC3402 | 141,70 | 0,000 |
| PC3403 | 141,70 | 0,100 |
| PC3404 | 141,70 | 0,100 |
| PC3405 | 142,70 | 0,000 |
| PC3406 | 142,70 | 0,100 |
| PC3407 | 141,70 | 0,000 |
| PC3408 | 141,70 | 0,100 |
| PC3409 | 141,70 | 0,000 |
| PC341  | 179,25 | 0,000 |
| PC3410 | 142,70 | 0,100 |
| PC3411 | 142,70 | 0,000 |
| PC3412 | 142,70 | 0,000 |
| PC3413 | 141,70 | 0,000 |
| PC3414 | 141,70 | 0,100 |
| PC3415 | 141,70 | 0,000 |
| PC3416 | 141,70 | 0,100 |
| PC3417 | 141,70 | 0,040 |
| PC3418 | 141,70 | 0,050 |
| PC3419 | 141,70 | 0,050 |
| PC342  | 179,02 | 0,000 |
| PC3420 | 140,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>423/512   |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |  | Nadnevak:<br>17.11. 2009.  |

|        |        |       |
|--------|--------|-------|
| PC3421 | 140,70 | 0,000 |
| PC3422 | 140,70 | 0,000 |
| PC3423 | 140,70 | 0,050 |
| PC3424 | 140,70 | 0,050 |
| PC3425 | 141,70 | 0,070 |
| PC3426 | 142,70 | 0,050 |
| PC3427 | 141,32 | 0,000 |
| PC3428 | 143,70 | 0,000 |
| PC3429 | 142,70 | 0,000 |
| PC343  | 180,07 | 0,000 |
| PC3430 | 142,70 | 0,100 |
| PC3431 | 142,70 | 0,000 |
| PC3432 | 140,70 | 0,000 |
| PC3433 | 140,70 | 0,000 |
| PC3434 | 141,70 | 0,000 |
| PC3435 | 141,70 | 0,000 |
| PC3436 | 141,70 | 0,100 |
| PC3437 | 141,70 | 0,100 |
| PC3438 | 142,70 | 0,000 |
| PC3439 | 142,70 | 0,100 |
| PC344  | 180,07 | 0,000 |
| PC3440 | 141,70 | 0,090 |
| PC3441 | 141,70 | 0,100 |
| PC3442 | 144,70 | 0,030 |
| PC344A | 179,01 | 0,050 |
| PC345  | 180,65 | 0,000 |
| PC346  | 178,39 | 0,050 |
| PC347  | 178,21 | 0,000 |
| PC348  | 178,58 | 0,050 |
| PC349  | 177,24 | 0,000 |
| PC35   | 204,70 | 0,000 |
| PC350  | 162,79 | 0,050 |
| PC350A | 144,70 | 0,000 |
| PC350B | 144,70 | 0,000 |
| PC350C | 144,70 | 0,000 |
| PC351  | 170,70 | 0,000 |
| 35     | 142,70 | 0,000 |
| PC352  | 176,08 | 0,050 |
| PC353  | 174,53 | 0,000 |
| PC354  | 163,62 | 0,000 |
| PC355  | 164,30 | 0,050 |
| PC356  | 163,39 | 0,050 |
| PC357  | 171,30 | 0,000 |
| PC358  | 169,56 | 0,050 |
| PC359  | 170,12 | 0,050 |
| PC36   | 228,70 | 0,050 |
| PC360  | 166,39 | 0,000 |
| PC361  | 165,54 | 0,050 |
| PC362  | 177,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>424/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC363  | 178,70 | 0,050 |
| PC364  | 180,70 | 0,000 |
| PC365  | 180,70 | 0,000 |
| PC366  | 181,70 | 0,000 |
| PC367  | 181,70 | 0,000 |
| PC368  | 179,70 | 0,050 |
| PC37   | 218,70 | 0,050 |
| PC373  | 178,70 | 0,000 |
| PC374  | 177,70 | 0,050 |
| PC375  | 177,70 | 0,000 |
| PC376  | 164,70 | 0,000 |
| PC377  | 161,70 | 0,050 |
| PC378  | 164,70 | 0,000 |
| PC379  | 160,70 | 0,050 |
| 36     | 182,70 | 0,000 |
| PC38   | 290,70 | 0,000 |
| PC380  | 160,70 | 0,000 |
| PC381  | 160,70 | 0,100 |
| PC382  | 164,70 | 0,000 |
| PC382A | 164,70 | 0,000 |
| PC382B | 164,70 | 0,000 |
| PC383  | 164,70 | 0,000 |
| PC384  | 163,20 | 0,000 |
| PC385  | 161,70 | 0,050 |
| PC386  | 162,70 | 0,000 |
| PC387  | 157,70 | 0,050 |
| PC388  | 169,70 | 0,120 |
| PC388A | 169,70 | 0,000 |
| PC389  | 167,70 | 0,150 |
| PC39   | 278,70 | 0,050 |
| PC390  | 168,70 | 0,020 |
| PC391  | 165,70 | 0,050 |
| PC392  | 165,70 | 0,100 |
| PC393  | 165,70 | 0,000 |
| PC394  | 165,70 | 0,100 |
| PC395  | 165,70 | 0,000 |
| PC396  | 165,70 | 0,100 |
| PC397  | 166,70 | 0,000 |
| PC398  | 165,70 | 0,000 |
| PC399  | 166,70 | 0,030 |
| 4      | 158,00 | 0,000 |
| PC4    | 259,70 | 0,000 |
| PC40   | 256,70 | 0,050 |
| PC400  | 160,70 | 0,080 |
| PC4000 | 141,70 | 0,020 |
| PC4001 | 141,70 | 0,000 |
| PC4002 | 141,70 | 0,000 |
| PC4003 | 141,70 | 0,000 |
| PC4004 | 141,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>425/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |        |       |
|---------|--------|-------|
| PC4005  | 141,70 | 0,000 |
| PC4006  | 141,70 | 0,000 |
| PC4007  | 141,70 | 0,030 |
| PC4008  | 141,70 | 0,000 |
| PC4009  | 141,70 | 0,000 |
| PC401   | 160,70 | 0,100 |
| PC4010  | 140,70 | 0,020 |
| PC4011  | 141,70 | 0,000 |
| PC4012  | 141,70 | 0,000 |
| PC4013  | 141,70 | 0,000 |
| PC4014  | 139,70 | 0,000 |
| PC4015  | 141,70 | 0,000 |
| PC4016  | 139,70 | 0,000 |
| PC4017  | 140,70 | 0,000 |
| PC4018  | 139,70 | 0,000 |
| PC4019  | 139,70 | 0,000 |
| PC402   | 160,70 | 0,100 |
| PC4020  | 139,70 | 0,200 |
| PC4021  | 139,70 | 0,000 |
| PC4022  | 139,70 | 0,000 |
| PC4023  | 139,70 | 0,200 |
| PC4024  | 139,70 | 0,000 |
| PC4025  | 140,70 | 0,000 |
| PC4026  | 139,70 | 0,000 |
| PC4027  | 139,70 | 0,000 |
| PC4028  | 139,70 | 0,200 |
| PC4029  | 140,70 | 0,000 |
| PC403   | 160,70 | 0,100 |
| PC4030  | 140,70 | 0,200 |
| PC4031  | 140,70 | 0,000 |
| PC4032  | 140,70 | 0,000 |
| PC4033  | 139,70 | 0,200 |
| PC4034  | 140,70 | 0,000 |
| PC4035  | 140,70 | 0,000 |
| PC4036  | 142,70 | 0,000 |
| PC4037  | 142,70 | 0,000 |
| PC4038  | 142,70 | 0,200 |
| PC404   | 162,70 | 0,050 |
| PC4040  | 141,70 | 0,000 |
| PC4041  | 141,70 | 0,000 |
| PC4042  | 141,70 | 0,000 |
| PC4043  | 141,70 | 0,000 |
| PC4043A | 141,70 | 0,000 |
| PC4044  | 142,70 | 0,000 |
| PC4045  | 140,70 | 0,000 |
| PC4046  | 140,70 | 0,000 |
| PC4047  | 141,70 | 0,000 |
| PC4048  | 141,70 | 0,000 |
| PC4049  | 141,70 | 0,150 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>426/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC405   | 159,70 | 0,100 |
| PC4050  | 141,70 | 0,000 |
| PC4051  | 139,70 | 0,200 |
| PC4052  | 139,70 | 0,000 |
| PC4053  | 139,70 | 0,000 |
| PC4054  | 139,70 | 0,000 |
| PC4055  | 139,70 | 0,000 |
| PC4056  | 139,70 | 0,000 |
| PC4057  | 139,70 | 0,000 |
| PC4058  | 139,70 | 0,200 |
| PC4059  | 138,70 | 0,000 |
| PC406   | 164,70 | 0,610 |
| PC4060  | 138,70 | 0,000 |
| PC4061  | 138,70 | 0,000 |
| PC4062  | 140,31 | 0,000 |
| PC4063  | 138,70 | 0,000 |
| PC4064  | 138,70 | 0,200 |
| PC4065  | 140,31 | 0,200 |
| PC4066  | 139,70 | 0,000 |
| PC4066A | 139,70 | 0,000 |
| PC4067  | 139,70 | 0,000 |
| PC4068  | 139,70 | 0,000 |
| PC4069  | 139,70 | 0,200 |
| PC407   | 164,70 | 0,060 |
| PC4070  | 142,70 | 0,200 |
| PC4071  | 142,70 | 0,200 |
| PC4072  | 141,70 | 0,000 |
| PC4073  | 140,70 | 0,000 |
| PC4074  | 139,70 | 0,200 |
| PC4075  | 139,70 | 0,000 |
| PC4076  | 138,70 | 0,200 |
| PC4077  | 141,70 | 0,000 |
| PC4078  | 142,70 | 0,000 |
| PC4079  | 144,70 | 0,200 |
| PC408   | 164,70 | 0,000 |
| PC4080  | 142,70 | 0,000 |
| PC4081  | 140,70 | 0,000 |
| PC4082  | 140,70 | 0,200 |
| PC4083  | 141,70 | 0,000 |
| PC4083A | 141,70 | 0,000 |
| PC4084  | 141,70 | 0,000 |
| PC4085  | 141,70 | 0,000 |
| PC4086  | 140,70 | 0,200 |
| PC4089  | 141,70 | 0,000 |
| PC409   | 165,70 | 0,060 |
| PC4090  | 141,70 | 0,200 |
| PC4091  | 144,70 | 0,000 |
| PC4092  | 141,70 | 0,200 |
| PC4093  | 141,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOOPSKRBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
427/512Nadnevak:  
17.11. 2009.

|         |        |       |
|---------|--------|-------|
| PC4094  | 141,70 | 0,000 |
| PC4094A | 141,70 | 0,000 |
| PC4095  | 141,70 | 0,200 |
| PC4096  | 142,70 | 0,000 |
| PC4097  | 142,70 | 0,000 |
| PC4097A | 142,70 | 0,000 |
| PC4098  | 143,70 | 0,000 |
| PC4099  | 140,70 | 0,200 |
| PC41    | 264,70 | 0,050 |
| PC410   | 164,70 | 0,060 |
| PC4100  | 140,70 | 0,000 |
| PC4101  | 141,70 | 0,200 |
| PC4102  | 140,70 | 0,200 |
| PC4104  | 140,70 | 0,000 |
| PC4105  | 139,70 | 0,000 |
| PC4107  | 140,70 | 0,000 |
| PC4108  | 140,70 | 0,100 |
| PC4109  | 140,70 | 0,000 |
| PC411   | 165,70 | 0,160 |
| PC4110  | 140,70 | 0,000 |
| PC4111  | 140,70 | 0,100 |
| PC4112  | 139,70 | 0,000 |
| PC4113  | 139,70 | 0,100 |
| PC4114  | 138,70 | 0,000 |
| PC4115  | 138,70 | 0,100 |
| PC4116  | 138,70 | 0,100 |
| PC4117  | 138,70 | 0,000 |
| PC4118  | 138,70 | 0,000 |
| PC4119  | 138,70 | 0,100 |
| PC412   | 162,70 | 0,050 |
| PC4120  | 138,70 | 0,100 |
| PC4121  | 138,70 | 0,000 |
| PC4122  | 138,70 | 0,000 |
| PC4123  | 138,70 | 0,000 |
| PC4124  | 138,70 | 0,000 |
| PC4125  | 139,70 | 0,000 |
| PC4126  | 139,70 | 0,000 |
| PC4127  | 138,70 | 0,100 |
| PC4128  | 138,70 | 0,000 |
| PC4129  | 138,70 | 0,000 |
| PC413   | 162,70 | 0,000 |
| PC4130  | 138,70 | 0,000 |
| PC4131  | 138,70 | 0,000 |
| PC4132  | 138,70 | 0,000 |
| PC4133  | 138,70 | 0,000 |
| PC4134  | 139,70 | 0,000 |
| PC4135  | 139,70 | 0,000 |
| PC4136  | 138,70 | 0,100 |
| PC4137  | 139,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>428/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC4138 | 138,70 | 0,000 |
| PC4139 | 138,70 | 0,000 |
| PC414  | 162,70 | 0,020 |
| PC4140 | 138,70 | 0,000 |
| PC4141 | 138,70 | 0,120 |
| PC4142 | 138,70 | 0,000 |
| PC4143 | 138,70 | 0,000 |
| PC4144 | 138,70 | 0,000 |
| PC4145 | 139,70 | 0,000 |
| PC4146 | 138,70 | 0,000 |
| PC4147 | 138,70 | 0,100 |
| PC4148 | 138,70 | 0,000 |
| PC4149 | 138,70 | 0,100 |
| PC415  | 162,70 | 0,000 |
| PC4150 | 136,70 | 0,000 |
| PC4151 | 136,70 | 0,100 |
| PC4152 | 136,70 | 0,100 |
| PC4153 | 138,70 | 0,000 |
| PC4154 | 137,70 | 0,100 |
| PC4155 | 137,70 | 0,000 |
| PC4156 | 137,70 | 0,000 |
| PC4157 | 137,70 | 0,000 |
| PC4158 | 137,70 | 0,000 |
| PC4159 | 136,70 | 0,000 |
| PC416  | 162,70 | 0,000 |
| PC4160 | 136,70 | 0,000 |
| PC4161 | 136,70 | 0,000 |
| PC4162 | 135,70 | 0,000 |
| PC4163 | 136,70 | 0,000 |
| PC4164 | 136,70 | 0,100 |
| PC4165 | 136,70 | 0,000 |
| PC4166 | 137,70 | 0,000 |
| PC4167 | 137,70 | 0,100 |
| PC4168 | 137,70 | 0,000 |
| PC4169 | 137,70 | 0,000 |
| PC417  | 164,70 | 0,030 |
| PC4170 | 136,70 | 0,100 |
| PC4171 | 137,70 | 0,000 |
| PC4172 | 137,70 | 0,000 |
| PC4173 | 136,70 | 0,000 |
| PC4174 | 136,70 | 0,000 |
| PC4175 | 137,70 | 0,100 |
| PC4176 | 136,70 | 0,000 |
| PC4177 | 136,70 | 0,100 |
| PC4178 | 136,70 | 0,000 |
| PC4179 | 136,70 | 0,100 |
| PC418  | 170,70 | 0,150 |
| PC4180 | 136,70 | 0,100 |
| PC4181 | 136,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>429/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC4182 | 136,70 | 0,000 |
| PC4183 | 136,70 | 0,100 |
| PC4184 | 136,70 | 0,100 |
| PC4185 | 136,70 | 0,000 |
| PC4187 | 136,70 | 0,000 |
| PC4188 | 136,70 | 0,100 |
| PC4189 | 136,70 | 0,000 |
| PC419  | 163,70 | 0,070 |
| PC4190 | 136,70 | 0,100 |
| PC4191 | 136,70 | 0,000 |
| PC4192 | 136,70 | 0,000 |
| PC4193 | 136,70 | 0,000 |
| PC4194 | 136,70 | 0,100 |
| PC4195 | 136,70 | 0,000 |
| PC4196 | 136,70 | 0,100 |
| PC4197 | 135,70 | 0,000 |
| PC4198 | 135,70 | 0,000 |
| PC4199 | 135,70 | 0,000 |
| PC42   | 268,70 | 0,000 |
| PC420  | 163,70 | 0,050 |
| PC4200 | 135,70 | 0,000 |
| PC4201 | 135,70 | 0,000 |
| PC4202 | 136,70 | 0,100 |
| PC4203 | 136,70 | 0,100 |
| PC4204 | 136,70 | 0,000 |
| PC4205 | 136,70 | 0,000 |
| PC4206 | 136,70 | 0,100 |
| PC4207 | 136,70 | 0,000 |
| PC4208 | 136,70 | 0,000 |
| PC4209 | 135,70 | 0,000 |
| PC421  | 163,70 | 0,050 |
| PC4210 | 135,70 | 0,100 |
| PC4211 | 135,70 | 0,000 |
| PC4212 | 137,70 | 0,000 |
| PC4213 | 137,70 | 0,000 |
| PC4214 | 135,70 | 0,000 |
| PC4215 | 135,70 | 0,000 |
| PC4216 | 135,70 | 0,000 |
| PC4217 | 136,70 | 0,100 |
| PC4218 | 136,70 | 0,000 |
| PC4219 | 136,70 | 0,100 |
| PC422  | 163,70 | 0,000 |
| PC4220 | 135,70 | 0,100 |
| PC4221 | 135,70 | 0,100 |
| PC4222 | 136,70 | 0,090 |
| PC4223 | 136,70 | 0,000 |
| PC4224 | 137,70 | 0,000 |
| PC4225 | 137,70 | 0,000 |
| PC4226 | 137,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>430/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |
|  |   | Nadnevak:<br>17.11. 2009.   |

|        |        |       |
|--------|--------|-------|
| PC4227 | 137,70 | 0,000 |
| PC4228 | 137,70 | 0,100 |
| PC4229 | 137,70 | 0,000 |
| PC4230 | 137,70 | 0,100 |
| PC4231 | 137,70 | 0,000 |
| PC4232 | 137,70 | 0,100 |
| PC4233 | 136,70 | 0,000 |
| PC4234 | 134,70 | 0,000 |
| PC4235 | 137,70 | 0,000 |
| PC4236 | 134,70 | 0,100 |
| PC4237 | 137,70 | 0,100 |
| PC4238 | 134,70 | 0,000 |
| PC4239 | 137,70 | 0,100 |
| PC424  | 165,70 | 0,000 |
| PC4240 | 136,70 | 0,100 |
| PC4241 | 136,70 | 0,000 |
| PC4242 | 134,70 | 0,000 |
| PC4243 | 134,70 | 0,000 |
| PC4244 | 134,70 | 0,000 |
| PC4245 | 136,70 | 0,000 |
| PC4246 | 134,70 | 0,100 |
| PC4247 | 133,70 | 0,000 |
| PC4248 | 133,70 | 0,100 |
| PC4249 | 134,70 | 0,000 |
| PC425  | 163,70 | 0,030 |
| PC4250 | 133,70 | 0,100 |
| PC4251 | 134,70 | 0,000 |
| PC4252 | 134,70 | 0,000 |
| PC4253 | 134,70 | 0,100 |
| PC4254 | 134,70 | 0,000 |
| PC4255 | 134,70 | 0,000 |
| PC4256 | 133,70 | 0,100 |
| PC4257 | 133,70 | 0,000 |
| PC4258 | 133,70 | 0,000 |
| PC4259 | 133,70 | 0,100 |
| PC426  | 165,70 | 0,060 |
| PC4260 | 137,70 | 0,100 |
| PC4261 | 136,70 | 0,000 |
| PC4262 | 135,70 | 0,100 |
| PC4263 | 137,70 | 0,100 |
| PC4264 | 136,70 | 0,000 |
| PC4265 | 133,70 | 0,100 |
| PC4266 | 136,70 | 0,000 |
| PC4267 | 137,70 | 0,100 |
| PC4268 | 133,70 | 0,000 |
| PC4269 | 133,70 | 0,100 |
| PC427  | 163,70 | 0,030 |
| PC4270 | 134,70 | 0,000 |
| PC4271 | 133,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>431/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC4272 | 133,70 | 0,000 |
| PC4273 | 133,70 | 0,100 |
| PC4274 | 132,70 | 0,090 |
| PC4275 | 134,70 | 0,000 |
| PC4277 | 134,70 | 0,000 |
| PC4278 | 135,70 | 0,100 |
| PC4279 | 135,70 | 0,000 |
| PC428  | 165,70 | 0,030 |
| PC4280 | 135,70 | 0,100 |
| PC4281 | 133,70 | 0,000 |
| PC4282 | 133,70 | 0,000 |
| PC4283 | 132,70 | 0,100 |
| PC4284 | 133,70 | 0,000 |
| PC4285 | 133,70 | 0,000 |
| PC4286 | 132,70 | 0,100 |
| PC4287 | 133,70 | 0,000 |
| PC4288 | 133,70 | 0,000 |
| PC4289 | 133,70 | 0,000 |
| PC429  | 158,70 | 0,060 |
| PC4290 | 133,70 | 0,200 |
| PC4291 | 133,70 | 0,000 |
| PC4293 | 133,70 | 0,000 |
| PC4294 | 133,70 | 0,200 |
| PC4295 | 135,70 | 0,000 |
| PC4296 | 135,70 | 0,000 |
| PC4297 | 135,70 | 0,000 |
| PC4298 | 135,70 | 0,200 |
| PC4299 | 135,70 | 0,000 |
| PC43   | 256,70 | 0,050 |
| PC430  | 166,70 | 0,040 |
| PC4300 | 131,70 | 0,000 |
| PC4301 | 133,70 | 0,200 |
| PC4302 | 133,70 | 0,000 |
| PC4303 | 133,70 | 0,000 |
| PC4304 | 134,70 | 0,000 |
| PC4305 | 133,70 | 0,000 |
| PC4306 | 133,70 | 0,050 |
| PC4307 | 133,70 | 0,000 |
| PC4308 | 133,70 | 0,000 |
| PC4309 | 133,70 | 0,200 |
| PC431  | 167,70 | 0,040 |
| PC4310 | 133,70 | 0,000 |
| PC4311 | 133,70 | 0,200 |
| PC4312 | 133,70 | 0,000 |
| PC4313 | 134,70 | 0,000 |
| PC4314 | 134,70 | 0,200 |
| PC4315 | 133,70 | 0,000 |
| PC4316 | 133,70 | 0,000 |
| PC4317 | 133,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |                           |
|--|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>432/512      |
|  |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |   |                           |

|        |        |       |
|--------|--------|-------|
| PC4318 | 133,70 | 0,000 |
| PC4319 | 132,70 | 0,000 |
| PC432  | 167,70 | 0,240 |
| PC4320 | 132,70 | 0,000 |
| PC4321 | 132,70 | 0,200 |
| PC4322 | 132,70 | 0,000 |
| PC4323 | 132,70 | 0,000 |
| PC4324 | 132,70 | 0,000 |
| PC4325 | 132,70 | 0,000 |
| PC4326 | 131,70 | 0,000 |
| PC4327 | 132,70 | 0,000 |
| PC4328 | 132,70 | 0,000 |
| PC4329 | 133,70 | 0,000 |
| PC433  | 169,70 | 0,100 |
| PC4330 | 133,70 | 0,200 |
| PC4331 | 133,70 | 0,000 |
| PC4332 | 133,70 | 0,000 |
| PC4333 | 132,70 | 0,200 |
| PC4334 | 132,70 | 0,000 |
| PC4335 | 133,70 | 0,000 |
| PC4336 | 133,70 | 0,200 |
| PC4337 | 134,70 | 0,000 |
| PC4338 | 131,70 | 0,000 |
| PC4339 | 131,70 | 0,000 |
| PC434  | 173,70 | 0,000 |
| PC4340 | 131,70 | 0,200 |
| PC4341 | 132,70 | 0,000 |
| PC4342 | 132,70 | 0,000 |
| PC4343 | 132,70 | 0,000 |
| PC4344 | 132,70 | 0,200 |
| PC4345 | 132,70 | 0,000 |
| PC4346 | 132,70 | 0,200 |
| PC4347 | 132,70 | 0,200 |
| PC4348 | 133,70 | 0,000 |
| PC4349 | 134,70 | 0,000 |
| PC435  | 176,70 | 0,000 |
| PC4350 | 133,70 | 0,000 |
| PC4351 | 133,70 | 0,200 |
| PC4352 | 133,70 | 0,000 |
| PC4353 | 133,70 | 0,000 |
| PC4354 | 133,70 | 0,200 |
| PC4355 | 132,70 | 0,000 |
| PC4356 | 133,70 | 0,000 |
| PC4357 | 133,70 | 0,200 |
| PC4358 | 133,70 | 0,000 |
| PC4359 | 133,70 | 0,200 |
| PC435A | 176,70 | 0,000 |
| PC436  | 168,70 | 0,080 |
| PC4360 | 133,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>433/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC4361  | 133,70 | 0,000 |
| PC4362  | 133,70 | 0,000 |
| PC4363  | 133,70 | 0,000 |
| PC4364  | 133,70 | 0,000 |
| PC4365  | 133,70 | 0,000 |
| PC4366  | 132,70 | 0,000 |
| PC4367  | 131,70 | 0,200 |
| PC4368  | 133,70 | 0,200 |
| PC436A  | 168,70 | 0,000 |
| PC437   | 168,70 | 0,030 |
| PC4370  | 132,70 | 0,000 |
| PC4371  | 133,70 | 0,200 |
| PC4372  | 132,70 | 0,200 |
| PC4373  | 132,70 | 0,000 |
| PC4374  | 132,70 | 0,000 |
| PC4375  | 132,70 | 0,000 |
| PC4376  | 132,70 | 0,000 |
| PC4377  | 133,70 | 0,200 |
| PC4378  | 132,70 | 0,200 |
| PC4379  | 132,70 | 0,000 |
| PC438   | 167,00 | 0,050 |
| PC4380  | 132,70 | 0,000 |
| PC4381  | 132,70 | 0,200 |
| PC4382  | 134,70 | 0,000 |
| PC4383  | 134,70 | 0,200 |
| PC4384  | 134,70 | 0,000 |
| PC4385  | 133,70 | 0,000 |
| PC4386  | 132,70 | 0,200 |
| PC4387  | 132,70 | 0,000 |
| PC4388  | 133,70 | 0,200 |
| PC4389  | 132,70 | 0,000 |
| PC439   | 167,70 | 0,000 |
| PC4390  | 130,70 | 0,000 |
| PC4391  | 129,70 | 0,150 |
| PC4392  | 132,70 | 0,000 |
| PC4392A | 132,70 | 0,000 |
| PC4393  | 133,70 | 0,200 |
| PC4394  | 131,70 | 0,000 |
| PC4394A | 131,70 | 0,000 |
| PC4395  | 131,70 | 0,000 |
| PC4395A | 131,70 | 0,000 |
| PC4396  | 130,70 | 0,200 |
| PC4397  | 131,70 | 0,000 |
| PC4398  | 131,70 | 0,200 |
| PC4399  | 131,70 | 0,000 |
| PC44    | 268,70 | 0,050 |
| PC440   | 164,70 | 0,000 |
| PC4400  | 131,70 | 0,000 |
| PC4401  | 134,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>434/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|         |        |       |
|---------|--------|-------|
| PC4402  | 131,70 | 0,000 |
| PC4403  | 131,70 | 0,000 |
| PC4404  | 131,70 | 0,200 |
| PC4405  | 132,70 | 0,200 |
| PC4406  | 132,70 | 0,000 |
| PC4407  | 132,70 | 0,000 |
| PC4408  | 132,70 | 0,000 |
| PC4409  | 132,70 | 0,000 |
| PC441   | 167,70 | 0,000 |
| PC4410  | 132,70 | 0,000 |
| PC4411  | 132,70 | 0,000 |
| PC4412  | 132,70 | 0,200 |
| PC4413  | 133,70 | 0,000 |
| PC4414  | 132,70 | 0,000 |
| PC4415  | 133,70 | 0,000 |
| PC4416  | 133,70 | 0,000 |
| PC4417  | 133,70 | 0,200 |
| PC4418  | 133,70 | 0,200 |
| PC4419  | 132,70 | 0,000 |
| PC442   | 167,70 | 0,610 |
| PC4420  | 132,70 | 0,000 |
| PC4421  | 132,70 | 0,000 |
| PC4422  | 132,70 | 0,000 |
| PC4423  | 133,70 | 0,200 |
| PC4424  | 132,70 | 0,200 |
| PC4425  | 132,70 | 0,000 |
| PC4426  | 132,70 | 0,000 |
| PC4427  | 132,70 | 0,000 |
| PC4428  | 131,70 | 0,000 |
| PC4428A | 131,70 | 0,000 |
| PC4429  | 131,70 | 0,000 |
| PC443   | 166,70 | 0,100 |
| PC4430  | 132,70 | 0,000 |
| PC4431  | 132,70 | 0,000 |
| PC4431A | 132,70 | 0,000 |
| PC4432  | 132,70 | 0,000 |
| PC4433  | 132,70 | 0,000 |
| PC4434  | 132,70 | 0,000 |
| PC4435  | 132,70 | 0,000 |
| PC4436  | 132,70 | 0,200 |
| PC4437  | 132,70 | 0,000 |
| PC4438  | 132,70 | 0,000 |
| PC4439  | 132,70 | 0,200 |
| PC443A  | 166,70 | 0,000 |
| PC444   | 166,70 | 0,100 |
| PC4440  | 132,70 | 0,000 |
| PC4441  | 131,70 | 0,200 |
| PC4442  | 132,70 | 0,000 |
| PC4443  | 132,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|---|---|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak          | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>435/512      |
|   |   | Nadnevak:<br>17.11. 2009. |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |   |                           |

|         |        |       |
|---------|--------|-------|
| PC4444  | 131,70 | 0,000 |
| PC4445  | 132,70 | 0,000 |
| PC4446  | 131,70 | 0,200 |
| PC4447  | 131,70 | 0,200 |
| PC4448  | 131,70 | 0,000 |
| PC4449  | 131,70 | 0,200 |
| PC445   | 166,70 | 0,100 |
| PC4450  | 133,70 | 0,000 |
| PC4451  | 134,70 | 0,000 |
| PC4452  | 132,70 | 0,000 |
| PC4453  | 132,70 | 0,200 |
| PC4454  | 131,70 | 0,000 |
| PC4456  | 132,70 | 0,200 |
| PC4457  | 131,70 | 0,000 |
| PC4458  | 132,70 | 0,000 |
| PC4459  | 134,70 | 0,000 |
| PC4459A | 134,70 | 0,000 |
| PC446   | 171,70 | 0,000 |
| PC4460  | 134,70 | 0,000 |
| PC4462  | 133,70 | 0,000 |
| PC4463  | 133,70 | 0,000 |
| PC4464  | 132,70 | 0,000 |
| PC4465  | 133,70 | 0,000 |
| PC4466  | 133,70 | 0,200 |
| PC4467  | 133,70 | 0,000 |
| PC4468  | 133,70 | 0,000 |
| PC4469  | 134,70 | 0,200 |
| PC446A  | 171,70 | 0,000 |
| PC447   | 171,70 | 0,020 |
| PC4470  | 134,70 | 0,000 |
| PC4471  | 133,70 | 0,000 |
| PC4472  | 134,70 | 0,000 |
| PC4473  | 133,70 | 0,000 |
| PC4474  | 133,70 | 0,200 |
| PC4475  | 133,70 | 0,000 |
| PC4476  | 132,70 | 0,000 |
| PC4477  | 134,70 | 0,000 |
| PC4478  | 134,70 | 0,100 |
| PC4479  | 134,70 | 0,000 |
| PC448   | 167,70 | 0,000 |
| PC4481  | 133,70 | 0,000 |
| PC4482  | 132,70 | 0,000 |
| PC44820 | 133,70 | 0,000 |
| PC4483  | 132,70 | 0,000 |
| PC4484  | 133,70 | 0,200 |
| PC4485  | 132,70 | 0,000 |
| PC4486  | 132,70 | 0,200 |
| PC4487  | 133,70 | 0,000 |
| PC4488  | 133,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>436/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|         |        |       |
|---------|--------|-------|
| PC4489  | 132,70 | 0,000 |
| PC448A  | 167,70 | 0,000 |
| PC449   | 167,70 | 0,000 |
| PC4490  | 133,70 | 0,000 |
| PC4491  | 133,70 | 0,000 |
| PC4492  | 133,70 | 0,000 |
| PC4493  | 133,70 | 0,000 |
| PC4494  | 134,70 | 0,000 |
| PC4495  | 134,70 | 0,200 |
| PC4496  | 134,70 | 0,200 |
| PC4497  | 133,70 | 0,000 |
| PC4498  | 134,70 | 0,000 |
| PC4499  | 134,70 | 0,200 |
| PC45    | 243,70 | 0,050 |
| PC450   | 168,70 | 0,100 |
| PC4500  | 133,70 | 0,000 |
| PC4501  | 133,70 | 0,200 |
| PC4502  | 134,70 | 0,000 |
| PC4502A | 133,70 | 0,200 |
| PC4503  | 132,70 | 0,000 |
| PC4504  | 132,70 | 0,000 |
| PC451   | 168,70 | 0,100 |
| PC452   | 171,70 | 0,000 |
| PC453   | 167,70 | 0,050 |
| PC454   | 167,70 | 0,200 |
| PC455   | 169,70 | 0,050 |
| PC455A  | 169,70 | 0,000 |
| PC456   | 170,70 | 0,050 |
| PC457   | 172,70 | 0,190 |
| PC458   | 175,29 | 0,140 |
| PC459   | 168,70 | 0,200 |
| PC46    | 258,70 | 0,000 |
| PC460   | 173,70 | 0,100 |
| PC461   | 175,29 | 0,030 |
| PC462   | 175,29 | 0,000 |
| PC463   | 175,70 | 0,000 |
| PC464   | 176,70 | 0,050 |
| PC465   | 176,70 | 0,000 |
| PC466   | 176,70 | 0,050 |
| PC467   | 177,70 | 0,000 |
| PC468   | 178,70 | 0,050 |
| PC469   | 179,70 | 0,050 |
| PC47    | 263,70 | 0,050 |
| PC470   | 166,70 | 0,000 |
| PC471   | 167,70 | 0,000 |
| PC472   | 167,70 | 0,010 |
| PC473   | 167,70 | 0,000 |
| PC474   | 167,70 | 0,000 |
| PC475   | 242,60 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>437/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC476  | 242,60 | 0,050 |
| PC477  | 253,60 | 0,000 |
| PC478  | 264,60 | 0,050 |
| PC479  | 249,60 | 0,000 |
| PC48   | 298,70 | 0,050 |
| PC480  | 255,60 | 0,050 |
| PC481  | 247,60 | 0,050 |
| PC482  | 261,70 | 0,000 |
| PC482A | 261,70 | 0,000 |
| PC483  | 274,60 | 0,000 |
| PC484  | 268,60 | 0,000 |
| PC485  | 254,60 | 0,050 |
| PC486  | 257,60 | 0,000 |
| PC487  | 264,60 | 0,050 |
| PC488  | 247,60 | 0,050 |
| PC489  | 278,60 | 0,050 |
| PC49   | 310,70 | 0,000 |
| PC490  | 248,60 | 0,000 |
| PC490A | 267,70 | 0,000 |
| PC490B | 267,70 | 0,000 |
| PC491  | 241,60 | 0,050 |
| PC492  | 290,60 | 0,050 |
| PC492A | 284,60 | 0,000 |
| PC492B | 284,60 | 0,000 |
| PC493  | 282,60 | 0,050 |
| PC494  | 261,60 | 0,050 |
| PC495  | 266,60 | 0,000 |
| PC496  | 253,60 | 0,050 |
| PC497  | 261,60 | 0,050 |
| PC498  | 294,60 | 0,050 |
| PC499  | 280,60 | 0,050 |
| PC5    | 232,70 | 0,000 |
| PC50   | 249,29 | 0,050 |
| PC500  | 297,60 | 0,050 |
| PC501  | 270,60 | 0,000 |
| PC502  | 268,60 | 0,050 |
| PC503  | 270,60 | 0,050 |
| PC504  | 283,60 | 0,050 |
| PC505  | 294,60 | 0,050 |
| PC506  | 270,60 | 0,000 |
| PC506A | 270,60 | 0,000 |
| PC507  | 248,60 | 0,000 |
| PC508  | 261,60 | 0,050 |
| PC509  | 259,60 | 0,050 |
| PC51   | 291,70 | 0,050 |
| PC510  | 270,60 | 0,000 |
| PC511  | 270,60 | 0,050 |
| PC512  | 270,60 | 0,000 |
| PC513  | 300,11 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>438/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC514  | 298,60 | 0,000 |
| PC515  | 297,60 | 0,000 |
| PC516  | 295,70 | 0,000 |
| PC517  | 271,60 | 0,000 |
| PC518  | 232,70 | 0,000 |
| PC519  | 271,60 | 0,000 |
| PC52   | 218,70 | 0,050 |
| PC520  | 223,60 | 0,000 |
| PC521  | 286,60 | 0,000 |
| PC522  | 286,60 | 0,000 |
| PC523  | 286,60 | 0,000 |
| PC524  | 284,60 | 0,050 |
| PC525  | 283,60 | 0,050 |
| PC526  | 294,60 | 0,000 |
| PC527  | 299,71 | 0,000 |
| PC528  | 299,71 | 0,000 |
| PC529  | 297,88 | 0,000 |
| PC53   | 291,70 | 0,000 |
| PC530  | 298,35 | 0,000 |
| PC531  | 282,60 | 0,050 |
| PC532  | 288,60 | 0,050 |
| PC533  | 266,60 | 0,050 |
| PC534  | 288,60 | 0,050 |
| PC535  | 270,60 | 0,050 |
| PC536  | 270,60 | 0,000 |
| PC536A | 270,60 | 0,000 |
| PC537  | 248,60 | 0,000 |
| PC537A | 248,60 | 0,000 |
| PC538  | 213,60 | 0,050 |
| PC539  | 263,60 | 0,000 |
| PC54   | 318,70 | 0,000 |
| PC541  | 300,60 | 0,000 |
| PC542  | 300,60 | 0,000 |
| PC543  | 280,60 | 0,050 |
| PC544  | 302,60 | 0,000 |
| PC545  | 296,60 | 0,000 |
| PC546  | 296,60 | 0,000 |
| PC547  | 291,60 | 0,000 |
| PC548  | 294,60 | 0,000 |
| PC549  | 306,60 | 0,000 |
| PC55   | 318,70 | 0,050 |
| PC550  | 262,60 | 0,050 |
| PC551  | 314,60 | 1,000 |
| PC552  | 248,70 | 0,030 |
| PC552A | 248,70 | 0,000 |
| PC553  | 243,60 | 0,000 |
| PC554  | 244,60 | 0,000 |
| PC554A | 244,60 | 0,050 |
| PC555  | 245,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>439/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC556  | 248,60 | 0,000 |
| PC556A | 248,60 | 0,000 |
| PC557  | 248,60 | 0,000 |
| PC558  | 243,60 | 0,030 |
| PC559  | 229,60 | 0,050 |
| PC56   | 313,70 | 0,000 |
| PC560  | 250,60 | 0,050 |
| PC561  | 250,60 | 0,000 |
| PC562  | 289,60 | 0,050 |
| PC563  | 294,60 | 0,100 |
| PC564  | 281,60 | 0,100 |
| PC565  | 291,60 | 0,100 |
| PC566  | 290,60 | 0,100 |
| PC567  | 252,60 | 0,100 |
| PC568  | 259,60 | 0,150 |
| PC569  | 260,60 | 0,100 |
| PC57   | 313,70 | 0,050 |
| 5      | 289,60 | 0,000 |
| PC570  | 262,60 | 0,100 |
| PC570A | 262,60 | 0,000 |
| PC571  | 236,60 | 0,000 |
| PC572  | 236,60 | 0,100 |
| PC573  | 236,60 | 0,100 |
| PC574  | 281,60 | 0,100 |
| PC575  | 252,60 | 0,100 |
| PC576  | 260,60 | 0,100 |
| PC577  | 239,60 | 0,100 |
| PC578  | 267,60 | 0,100 |
| PC579  | 254,60 | 0,100 |
| PC58   | 308,70 | 0,000 |
| PC580  | 289,60 | 0,000 |
| PC581  | 268,60 | 0,000 |
| PC582  | 262,60 | 0,100 |
| PC583  | 247,60 | 0,000 |
| PC584  | 247,60 | 0,100 |
| PC585  | 271,60 | 0,000 |
| PC585A | 271,60 | 0,000 |
| PC586  | 230,60 | 0,100 |
| PC587  | 248,60 | 0,000 |
| PC587A | 248,60 | 0,000 |
| PC588  | 215,60 | 0,000 |
| PC588A | 215,60 | 0,000 |
| PC589  | 197,60 | 0,000 |
| PC59   | 266,70 | 0,050 |
| PC590  | 197,60 | 0,000 |
| PC591  | 192,60 | 0,000 |
| PC592  | 191,60 | 0,000 |
| PC593  | 200,60 | 0,000 |
| PC594  | 191,60 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>440/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC595  | 192,60 | 0,000 |
| PC596  | 203,60 | 0,000 |
| PC597  | 203,50 | 0,000 |
| PC598  | 222,00 | 0,030 |
| PC599  | 193,60 | 0,000 |
| PC5A   | 232,70 | 0,000 |
| 6      | 289,60 | 0,000 |
| PC6    | 193,70 | 0,050 |
| PC60   | 285,70 | 0,000 |
| PC600  | 198,60 | 0,100 |
| PC601  | 191,60 | 0,000 |
| PC602  | 198,60 | 0,000 |
| PC603  | 198,60 | 0,050 |
| PC604  | 200,60 | 0,000 |
| PC605  | 221,60 | 0,050 |
| PC606  | 223,60 | 0,100 |
| PC607  | 189,60 | 0,050 |
| PC607A | 196,70 | 0,000 |
| PC608  | 205,60 | 0,050 |
| PC608A | 196,70 | 0,000 |
| PC609  | 209,60 | 0,050 |
| PC61   | 285,70 | 0,000 |
| PC610  | 195,60 | 0,050 |
| PC611  | 184,60 | 0,050 |
| PC612  | 192,60 | 0,050 |
| PC613  | 190,60 | 0,000 |
| PC614  | 191,60 | 0,050 |
| PC615  | 210,60 | 0,050 |
| PC616  | 206,60 | 0,000 |
| PC617  | 200,60 | 0,000 |
| PC618  | 196,60 | 0,050 |
| PC619  | 202,60 | 0,050 |
| PC62   | 280,30 | 0,000 |
| PC620  | 221,70 | 0,000 |
| PC620A | 221,70 | 0,000 |
| PC621  | 224,60 | 0,050 |
| PC622  | 258,60 | 0,050 |
| PC623  | 265,60 | 0,000 |
| PC623A | 265,60 | 0,000 |
| PC624  | 270,60 | 0,050 |
| PC625  | 280,60 | 0,000 |
| PC626  | 279,60 | 0,000 |
| PC626A | 279,60 | 0,000 |
| PC627  | 218,60 | 0,050 |
| PC628  | 279,60 | 0,000 |
| PC629  | 264,60 | 0,050 |
| PC62A  | 280,30 | 0,000 |
| PC63   | 266,70 | 0,050 |
| PC630  | 255,60 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |



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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>441/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC631  | 286,60 | 0,000 |
| PC632  | 265,60 | 0,050 |
| PC633  | 261,60 | 0,000 |
| PC633A | 261,60 | 0,000 |
| PC634  | 233,60 | 0,050 |
| PC635  | 264,60 | 0,000 |
| PC635A | 264,60 | 0,000 |
| PC636  | 263,60 | 0,050 |
| PC637  | 254,60 | 0,050 |
| PC638  | 240,60 | 0,050 |
| PC638A | 240,60 | 0,000 |
| PC639  | 240,60 | 0,000 |
| PC64   | 298,70 | 0,000 |
| PC640  | 225,60 | 0,050 |
| PC641  | 220,60 | 0,050 |
| PC642  | 252,60 | 0,000 |
| PC643  | 246,60 | 0,050 |
| PC644  | 264,70 | 0,000 |
| PC644B | 264,70 | 0,000 |
| PC645  | 259,60 | 0,000 |
| PC646  | 238,60 | 0,050 |
| PC647  | 273,60 | 0,000 |
| PC648  | 263,60 | 0,050 |
| PC649  | 243,60 | 0,000 |
| PC649A | 243,60 | 0,000 |
| PC65   | 278,70 | 0,050 |
| PC650  | 238,60 | 0,050 |
| PC651  | 225,60 | 0,000 |
| PC652  | 226,01 | 0,000 |
| PC653  | 212,38 | 0,000 |
| PC654  | 198,60 | 0,050 |
| PC655  | 198,50 | 0,000 |
| PC656  | 203,86 | 0,000 |
| PC657  | 209,82 | 0,000 |
| PC658  | 213,27 | 0,050 |
| PC659  | 185,86 | 0,000 |
| PC66   | 278,70 | 0,000 |
| PC660  | 190,58 | 0,050 |
| PC661  | 198,60 | 0,000 |
| PC662  | 226,60 | 0,050 |
| PC663  | 198,60 | 0,000 |
| PC664  | 213,60 | 0,050 |
| PC665  | 196,60 | 0,000 |
| PC666  | 196,60 | 0,050 |
| PC667  | 196,60 | 0,000 |
| PC668  | 202,60 | 0,050 |
| PC669  | 199,60 | 0,000 |
| PC66A  | 278,70 | 0,000 |
| PC67   | 298,70 | 0,050 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>442/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC670  | 203,60 | 0,000 |
| PC670A | 203,60 | 0,000 |
| PC671  | 205,60 | 0,050 |
| PC672  | 216,60 | 0,050 |
| PC673  | 218,60 | 0,000 |
| PC673A | 218,60 | 0,000 |
| PC674  | 228,60 | 0,050 |
| PC675  | 218,60 | 0,050 |
| PC676  | 238,60 | 0,050 |
| PC677  | 288,60 | 0,000 |
| PC677A | 288,60 | 0,000 |
| PC678  | 263,60 | 0,050 |
| PC679  | 251,60 | 0,050 |
| PC68   | 268,70 | 0,000 |
| PC680  | 185,07 | 0,050 |
| PC681  | 184,60 | 0,050 |
| PC682  | 183,60 | 0,000 |
| PC683  | 183,50 | 0,050 |
| PC684  | 198,60 | 0,050 |
| PC685  | 225,60 | 0,050 |
| PC686  | 197,36 | 0,000 |
| PC687  | 196,32 | 0,000 |
| PC688  | 193,49 | 0,050 |
| PC689  | 198,50 | 0,000 |
| PC689A | 198,50 | 0,000 |
| PC69   | 248,70 | 0,000 |
| PC690  | 200,36 | 0,050 |
| PC691  | 240,60 | 0,050 |
| PC692  | 235,70 | 0,000 |
| PC692A | 235,70 | 0,000 |
| PC693  | 237,18 | 0,000 |
| PC694  | 196,60 | 0,000 |
| PC695  | 199,60 | 0,000 |
| PC696  | 205,60 | 0,050 |
| PC697  | 202,60 | 0,050 |
| 7      | 262,60 | 0,000 |
| PC698  | 220,60 | 0,050 |
| PC699  | 220,60 | 0,000 |
| PC7    | 270,70 | 0,000 |
| PC70   | 275,70 | 0,050 |
| PC700  | 196,60 | 0,000 |
| PC701  | 197,60 | 0,050 |
| PC702  | 196,60 | 0,000 |
| PC703  | 196,60 | 0,000 |
| PC704  | 196,60 | 0,000 |
| PC705  | 208,60 | 0,050 |
| PC706  | 196,60 | 0,000 |
| PC707  | 192,60 | 0,050 |
| PC708  | 189,60 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>443/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC709  | 190,60 | 0,050 |
| PC71   | 249,70 | 0,000 |
| PC710  | 196,60 | 0,050 |
| PC711  | 188,60 | 0,000 |
| PC712  | 188,60 | 0,050 |
| PC713  | 187,60 | 0,000 |
| PC714  | 187,60 | 0,050 |
| PC715  | 187,60 | 0,050 |
| PC716  | 184,60 | 0,000 |
| PC717  | 189,60 | 0,050 |
| PC718  | 189,60 | 0,000 |
| PC719  | 189,60 | 0,000 |
| PC72   | 228,70 | 0,050 |
| PC720  | 189,60 | 0,000 |
| PC721  | 189,60 | 0,000 |
| PC722  | 237,18 | 0,000 |
| PC723  | 248,60 | 0,000 |
| PC724  | 246,60 | 0,050 |
| PC725  | 249,60 | 0,000 |
| PC726  | 235,60 | 0,000 |
| PC727  | 233,60 | 0,050 |
| PC728  | 210,60 | 0,050 |
| PC729  | 235,60 | 0,000 |
| PC73   | 256,70 | 0,050 |
| PC730  | 217,60 | 0,050 |
| PC731  | 206,60 | 0,050 |
| PC732  | 248,60 | 0,000 |
| PC732A | 248,60 | 0,000 |
| PC733  | 248,60 | 0,050 |
| PC734  | 281,60 | 0,000 |
| PC734A | 281,60 | 0,000 |
| PC735  | 281,60 | 0,050 |
| PC735A | 281,60 | 0,000 |
| PC736  | 281,60 | 0,000 |
| PC736A | 281,60 | 0,000 |
| PC736B | 281,60 | 0,000 |
| PC737  | 273,60 | 0,000 |
| PC738  | 278,60 | 0,050 |
| PC739  | 249,60 | 0,050 |
| PC74   | 248,70 | 0,000 |
| PC740  | 246,60 | 0,050 |
| PC741  | 256,60 | 0,000 |
| PC742  | 253,60 | 0,050 |
| PC743  | 251,60 | 0,100 |
| PC744  | 228,60 | 0,100 |
| PC745  | 270,60 | 0,050 |
| PC746  | 265,60 | 0,000 |
| PC747  | 273,60 | 0,000 |
| PC748  | 243,60 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>444/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|        |        |       |
|--------|--------|-------|
| PC749  | 225,60 | 0,050 |
| PC75   | 246,70 | 0,000 |
| PC750  | 243,60 | 0,000 |
| PC752  | 201,60 | 0,000 |
| PC753  | 204,60 | 0,050 |
| PC754  | 197,60 | 0,050 |
| PC755  | 258,60 | 0,000 |
| PC756  | 233,60 | 0,050 |
| PC757  | 220,00 | 0,000 |
| PC757A | 221,60 | 0,000 |
| PC757B | 218,00 | 0,000 |
| PC757C | 218,00 | 0,000 |
| PC758  | 191,15 | 0,000 |
| PC759  | 195,60 | 0,050 |
| PC76   | 249,70 | 0,050 |
| PC760  | 198,42 | 0,050 |
| PC761  | 205,96 | 0,050 |
| PC762  | 195,37 | 0,000 |
| PC763  | 192,38 | 0,050 |
| PC764  | 198,56 | 0,050 |
| PC765  | 200,60 | 0,000 |
| PC766  | 192,60 | 0,050 |
| PC767  | 195,21 | 0,000 |
| PC768  | 192,26 | 0,050 |
| PC769  | 191,45 | 0,050 |
| PC77   | 249,70 | 0,050 |
| PC770  | 197,60 | 0,050 |
| PC771  | 194,60 | 0,000 |
| PC771A | 194,60 | 0,000 |
| PC772  | 189,36 | 0,050 |
| PC773  | 188,97 | 0,000 |
| PC774  | 186,10 | 0,050 |
| PC775  | 186,21 | 0,050 |
| PC776  | 190,59 | 0,050 |
| PC777  | 186,24 | 0,050 |
| PC778  | 185,20 | 0,070 |
| PC779  | 184,20 | 0,050 |
| PC78   | 258,70 | 0,000 |
| PC780  | 189,01 | 0,050 |
| PC781  | 197,48 | 0,050 |
| PC782  | 190,68 | 0,050 |
| PC783  | 200,91 | 0,000 |
| PC784  | 205,11 | 0,000 |
| PC785  | 203,60 | 0,000 |
| PC786  | 206,60 | 0,000 |
| PC787  | 203,60 | 0,000 |
| PC788  | 200,60 | 0,050 |
| PC789  | 196,60 | 0,000 |
| PC79   | 268,70 | 0,050 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl. ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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|--|---|---|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>445/512  |
|  |   | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb |

|        |        |       |
|--------|--------|-------|
| PC790  | 196,60 | 0,000 |
| PC791  | 201,63 | 0,050 |
| PC792  | 201,14 | 0,050 |
| PC793  | 202,60 | 0,000 |
| PC794  | 210,60 | 0,050 |
| PC795  | 202,60 | 0,050 |
| PC796  | 228,60 | 0,000 |
| PC796A | 228,60 | 0,000 |
| PC797  | 263,13 | 0,000 |
| PC798  | 257,60 | 0,100 |
| PC799  | 249,60 | 0,100 |
| PC7A   | 255,70 | 0,000 |
| PC7B   | 255,70 | 0,000 |
| PC8    | 198,70 | 0,000 |
| 8      | 260,60 | 0,000 |
| PC80   | 268,70 | 0,050 |
| PC800  | 257,60 | 0,000 |
| PC801  | 257,60 | 0,000 |
| PC802  | 257,60 | 0,000 |
| PC803  | 257,60 | 0,100 |
| PC804  | 231,60 | 0,100 |
| PC805  | 234,60 | 0,100 |
| PC806  | 257,60 | 0,000 |
| PC807  | 257,60 | 0,000 |
| PC808  | 257,60 | 0,100 |
| PC809  | 257,60 | 0,000 |
| PC81   | 264,70 | 0,050 |
| PC810  | 257,60 | 0,000 |
| PC811  | 255,60 | 0,000 |
| PC812  | 255,60 | 0,000 |
| PC813  | 241,60 | 0,000 |
| PC813A | 241,60 | 0,000 |
| PC814  | 222,60 | 0,100 |
| PC815  | 219,60 | 0,100 |
| PC816  | 255,60 | 0,000 |
| PC817  | 257,60 | 0,100 |
| PC818  | 258,60 | 0,100 |
| PC819  | 232,60 | 0,000 |
| PC81A  | 258,70 | 0,000 |
| PC81B  | 258,70 | 0,000 |
| PC82   | 221,70 | 0,050 |
| PC820  | 232,60 | 0,000 |
| PC821  | 237,60 | 0,100 |
| PC822  | 232,60 | 0,000 |
| PC823  | 231,60 | 0,100 |
| PC824  | 223,60 | 0,000 |
| PC824A | 223,60 | 0,000 |
| PC825  | 205,60 | 0,100 |
| PC826  | 257,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

**VODOPROJEKT d.o.o.**

Stjepana i Antuna Radića 6, 44000 Sisak

Naručitelj: Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Zagreb

Elaborat:

STUDIJA RAZVITKA  
VODOPSKRIBNOG SUSTAVA  
MEĐIMURSKE ŽUPANIJEStranica:  
446/512Nadnevak:  
17.11. 2009.

|        |        |       |
|--------|--------|-------|
| PC827  | 238,60 | 0,000 |
| PC827A | 238,60 | 0,000 |
| PC828  | 223,60 | 0,000 |
| PC829  | 207,60 | 0,000 |
| PC83   | 260,70 | 0,000 |
| PC830  | 209,60 | 0,000 |
| PC831  | 208,60 | 0,100 |
| PC832  | 209,60 | 0,000 |
| PC833  | 204,60 | 0,100 |
| PC834  | 206,53 | 0,000 |
| PC835  | 206,53 | 0,100 |
| PC836  | 204,69 | 0,120 |
| PC837  | 202,62 | 0,000 |
| PC838  | 203,06 | 0,100 |
| PC839  | 201,76 | 0,100 |
| PC83A  | 250,70 | 0,000 |
| PC83B  | 250,70 | 0,000 |
| PC84   | 256,70 | 0,050 |
| PC840  | 207,60 | 0,000 |
| PC841  | 208,60 | 0,100 |
| PC842  | 208,60 | 0,000 |
| PC843  | 208,60 | 0,000 |
| PC844  | 208,60 | 0,000 |
| PC845  | 209,60 | 0,000 |
| PC846  | 211,60 | 0,000 |
| PC847  | 218,60 | 0,100 |
| PC848  | 209,60 | 0,000 |
| PC849  | 198,60 | 0,110 |
| PC85   | 240,70 | 0,000 |
| PC850  | 209,60 | 0,000 |
| PC851  | 207,60 | 0,100 |
| PC852  | 208,60 | 0,000 |
| PC853  | 209,60 | 0,100 |
| PC854  | 205,60 | 0,000 |
| PC855  | 206,60 | 0,000 |
| PC856  | 321,70 | 0,000 |
| PC857  | 331,60 | 0,000 |
| PC858  | 331,60 | 0,000 |
| PC858A | 331,60 | 0,000 |
| PC859  | 313,70 | 0,000 |
| PC86   | 235,70 | 0,000 |
| PC860  | 313,70 | 0,000 |
| PC861  | 335,00 | 0,000 |
| PC862  | 340,70 | 0,000 |
| PC863  | 314,70 | 0,100 |
| PC864  | 332,70 | 0,100 |
| PC865  | 309,70 | 0,000 |
| PC866  | 294,70 | 0,100 |
| PC867  | 298,70 | 0,100 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

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| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:  | Stranica:<br>447/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC868  | 324,70 | 0,100 |
| PC869  | 307,70 | 0,100 |
| PC87   | 233,70 | 0,050 |
| PC870  | 305,70 | 0,000 |
| PC871  | 305,70 | 0,000 |
| PC872  | 303,70 | 0,000 |
| PC873  | 272,70 | 0,100 |
| PC874  | 331,70 | 0,100 |
| PC875  | 285,70 | 0,100 |
| PC876  | 339,70 | 0,100 |
| PC877  | 329,70 | 0,000 |
| PC878  | 329,70 | 0,000 |
| PC879  | 310,70 | 0,000 |
| PC88   | 288,70 | 0,000 |
| PC880  | 302,67 | 0,050 |
| PC881  | 314,70 | 0,050 |
| PC882  | 316,70 | 0,050 |
| PC882A | 316,70 | 0,000 |
| PC883  | 314,70 | 0,000 |
| PC884  | 314,70 | 0,000 |
| PC885  | 278,70 | 0,050 |
| PC886  | 288,70 | 0,000 |
| PC887  | 300,70 | 0,050 |
| PC888  | 289,70 | 0,000 |
| PC889  | 243,70 | 0,050 |
| PC88A  | 261,70 | 0,000 |
| PC88B  | 261,70 | 0,000 |
| PC89   | 252,06 | 0,050 |
| PC890  | 258,70 | 0,000 |
| PC891  | 283,70 | 0,000 |
| PC892  | 283,70 | 0,000 |
| PC893  | 279,70 | 0,050 |
| PC894  | 289,70 | 0,000 |
| PC895  | 289,70 | 0,000 |
| PC896  | 289,70 | 0,000 |
| PC897  | 248,70 | 0,000 |
| PC898  | 287,70 | 0,000 |
| PC899  | 262,70 | 0,000 |
| PC8A   | 198,70 | 0,000 |
| 9      | 226,00 | 0,000 |
| PC9    | 200,70 | 0,050 |
| PC90   | 283,70 | 0,050 |
| PC900  | 260,70 | 0,050 |
| PC901  | 236,70 | 0,000 |
| PC902  | 237,70 | 0,050 |
| PC903  | 237,70 | 0,050 |
| PC904  | 245,70 | 0,050 |
| PC905  | 230,70 | 0,050 |
| PC906  | 315,70 | 0,000 |

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>448/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC907  | 298,70 | 0,000 |
| PC908  | 298,70 | 0,000 |
| PC909  | 272,70 | 0,100 |
| PC91   | 277,70 | 0,000 |
| PC910  | 299,70 | 0,000 |
| PC911  | 301,70 | 0,000 |
| PC912  | 301,70 | 0,000 |
| PC913  | 298,70 | 0,100 |
| PC914  | 269,70 | 0,100 |
| PC915  | 294,70 | 0,000 |
| PC916  | 294,70 | 0,000 |
| PC917  | 266,70 | 0,100 |
| PC918  | 296,70 | 0,000 |
| PC918A | 296,70 | 0,000 |
| PC919  | 279,70 | 0,000 |
| PC91A  | 277,70 | 0,000 |
| PC92   | 243,70 | 0,050 |
| PC920  | 269,70 | 0,000 |
| PC921  | 278,70 | 0,000 |
| PC922  | 261,70 | 0,100 |
| PC923  | 244,70 | 0,100 |
| PC924  | 240,70 | 0,100 |
| PC924A | 268,70 | 0,000 |
| PC924B | 268,70 | 0,000 |
| PC925  | 322,70 | 0,100 |
| PC926  | 310,70 | 0,100 |
| PC926A | 310,70 | 1,000 |
| PC927  | 313,70 | 0,100 |
| PC928  | 325,70 | 0,000 |
| PC929  | 305,70 | 0,100 |
| PC93   | 304,70 | 0,050 |
| PC930  | 279,70 | 0,000 |
| PC931  | 273,70 | 0,100 |
| PC932  | 271,70 | 0,000 |
| PC933  | 268,70 | 0,100 |
| PC934  | 270,70 | 0,000 |
| PC935  | 279,70 | 0,000 |
| PC936  | 260,70 | 0,050 |
| PC937  | 254,70 | 0,000 |
| PC937A | 253,70 | 0,000 |
| PC937B | 253,70 | 0,000 |
| PC938  | 236,70 | 0,000 |
| PC939  | 244,70 | 0,100 |
| PC94   | 307,70 | 0,050 |
| PC940  | 225,70 | 0,000 |
| PC941  | 260,70 | 0,050 |
| PC942  | 223,70 | 0,100 |
| PC943  | 216,70 | 0,100 |
| PC944  | 215,70 | 0,100 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |



|  |   |  |
|--|---|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:   | Stranica:<br>449/512   |
|  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Zagreb | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE |

|        |        |       |
|--------|--------|-------|
| PC945  | 222,70 | 0,000 |
| PC946  | 215,70 | 0,050 |
| PC947  | 202,70 | 0,000 |
| PC947A | 202,70 | 0,000 |
| PC948  | 248,70 | 0,000 |
| PC948A | 248,70 | 0,030 |
| PC949  | 278,70 | 0,020 |
| PC949A | 278,70 | 0,000 |
| PC94A  | 278,70 | 0,000 |
| PC94B  | 278,80 | 0,000 |
| PC95   | 263,70 | 0,000 |
| PC950  | 214,70 | 0,000 |
| PC951  | 213,70 | 0,100 |
| PC952  | 208,70 | 0,100 |
| PC953  | 228,70 | 0,000 |
| PC954  | 264,70 | 0,000 |
| PC955  | 264,70 | 0,000 |
| PC956  | 231,70 | 0,050 |
| PC957  | 223,70 | 0,000 |
| PC958  | 223,70 | 0,000 |
| PC959  | 219,70 | 0,050 |
| PC96   | 269,70 | 0,000 |
| PC960  | 218,70 | 0,050 |
| PC961  | 200,70 | 0,050 |
| PC962  | 228,70 | 0,000 |
| PC963  | 234,70 | 0,000 |
| PC964  | 233,70 | 0,000 |
| PC965  | 227,70 | 0,050 |
| PC966  | 237,70 | 0,000 |
| PC967  | 235,70 | 0,050 |
| PC968  | 225,70 | 0,000 |
| PC969  | 223,70 | 0,050 |
| PC97   | 318,70 | 0,000 |
| PC970  | 224,70 | 0,050 |
| PC971  | 224,70 | 0,000 |
| PC972  | 222,70 | 0,050 |
| PC973  | 226,70 | 0,000 |
| PC974  | 222,70 | 0,050 |
| PC975  | 226,70 | 0,000 |
| PC976  | 208,70 | 0,050 |
| PC977  | 211,70 | 0,050 |
| PC978  | 205,70 | 0,050 |
| PC979  | 224,70 | 0,000 |
| PC98   | 281,70 | 0,050 |
| PC980  | 230,70 | 0,000 |
| PC981  | 237,70 | 0,050 |
| PC982  | 240,70 | 0,050 |
| PC983  | 209,70 | 0,050 |
| PC984  | 310,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

|  |  |  |
|--|--|--|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak | Elaborat:<br>STUDIJA RAZVITKA<br>VODOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Stranica:<br>450/512   |
|  |  | Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b |
|  |  | Nadnevak:<br>17.11. 2009.  |

|         |        |       |
|---------|--------|-------|
| PC984A  | 310,70 | 0,050 |
| PC984B  | 310,70 | 0,000 |
| PC985   | 310,70 | 0,000 |
| PC986   | 288,70 | 0,050 |
| PC987   | 301,70 | 0,100 |
| PC988   | 292,70 | 0,100 |
| PC989   | 292,70 | 0,100 |
| PC98A   | 281,70 | 0,000 |
| PC99    | 266,70 | 0,050 |
| PC990   | 295,70 | 0,000 |
| PC991   | 292,70 | 0,100 |
| PC992   | 292,70 | 0,500 |
| PC993   | 260,70 | 0,000 |
| PC994   | 229,70 | 0,100 |
| PC995   | 260,70 | 0,000 |
| PC996   | 229,70 | 0,100 |
| PC996A  | 229,70 | 0,000 |
| PC997   | 229,70 | 0,000 |
| PC998   | 229,70 | 0,000 |
| PC999   | 218,70 | 0,000 |
| PL2442A | 164,70 | 0,000 |
| SC306   | 158,00 | 0,000 |
| PC27    | 270,70 | 0,000 |

|  |                   |          |   |   |   |   |   |
|--|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing. građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|  |                   | Nadnevak |   |   |   |   |   |

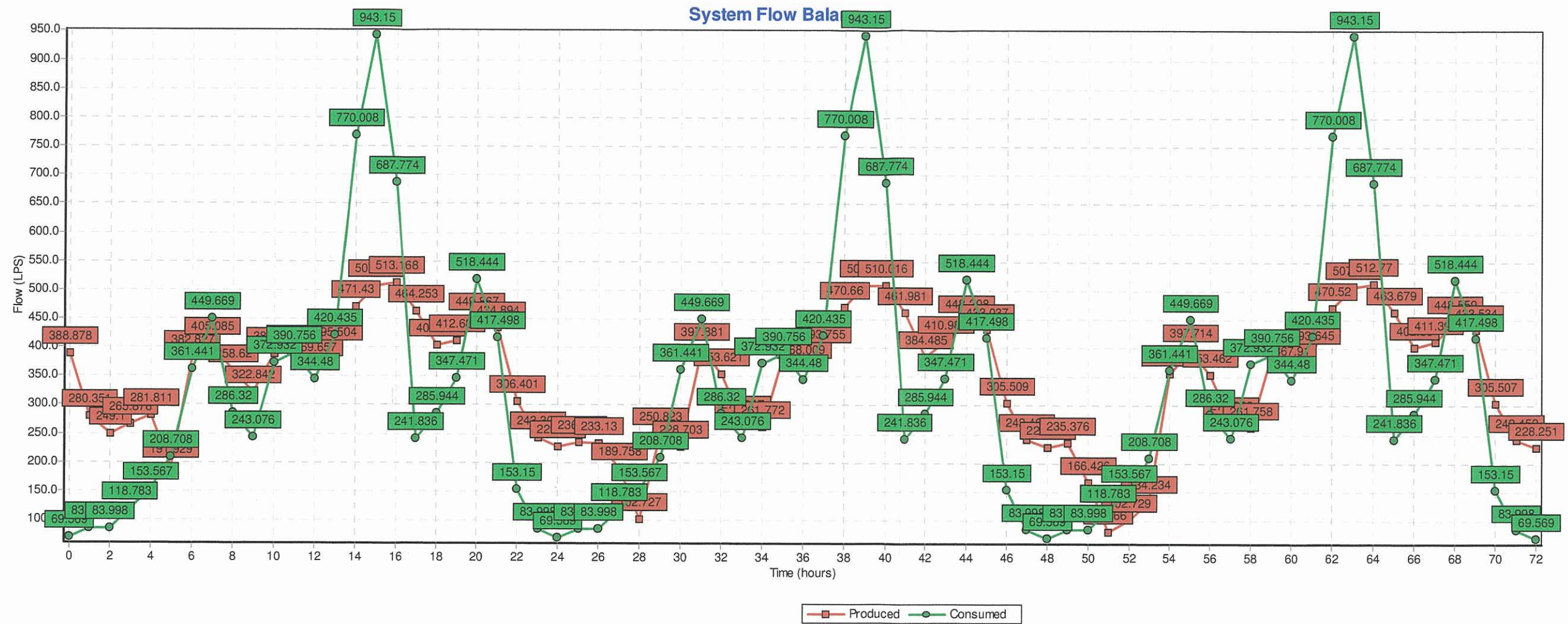
|  |  |                           |
|--|--|---------------------------|
| <b>VODOPROJEKT d.o.o.</b><br>Stjepana i Antuna Radića 6, 44000 Sisak               | Elaborat:  | Stranica:<br>451/512      |
| Naručitelj: Hrvatske vode, Zagreb<br>Ulica grada Vukovara 220<br>10000 Z a g r e b | STUDIJA RAZVITKA<br>VODOOPSKRBNOG SUSTAVA<br>MEĐIMURSKE ŽUPANIJE | Nadnevak:<br>17.11. 2009. |

#### **5.4. Rezultati simulacija - listinzi**

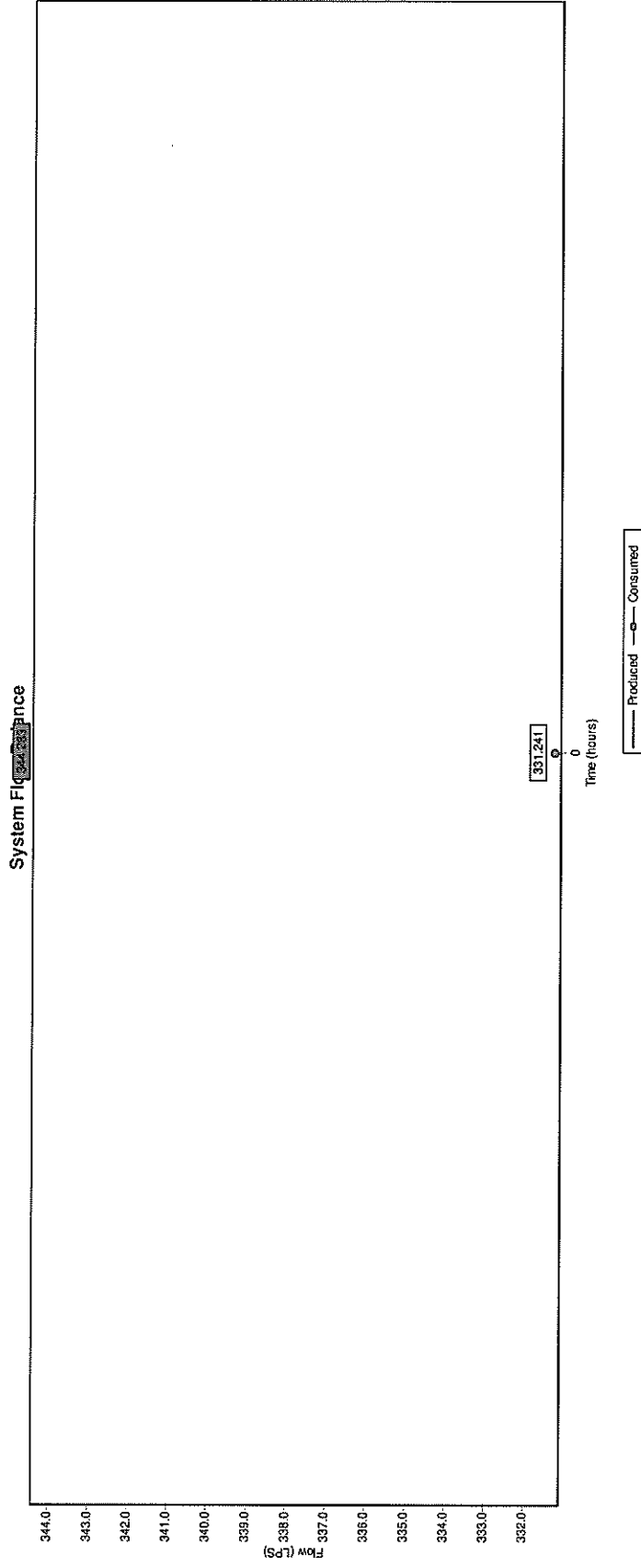
U nastavku su priloženi karakteristični podaci i rezultati simulacija hidrauličkog matematičkog modela budućeg stanja:

|   |                   |          |   |   |   |   |   |
|---|-------------------|----------|---|---|---|---|---|
| Projektant:<br><br>Krunoslav Čingel, dipl.ing.građ. | Broj TD:<br>02/09 | Izmjene  | 1 | 2 | 3 | 4 | 5 |
|   |                   | Nadnevak |   |   |   |   |   |

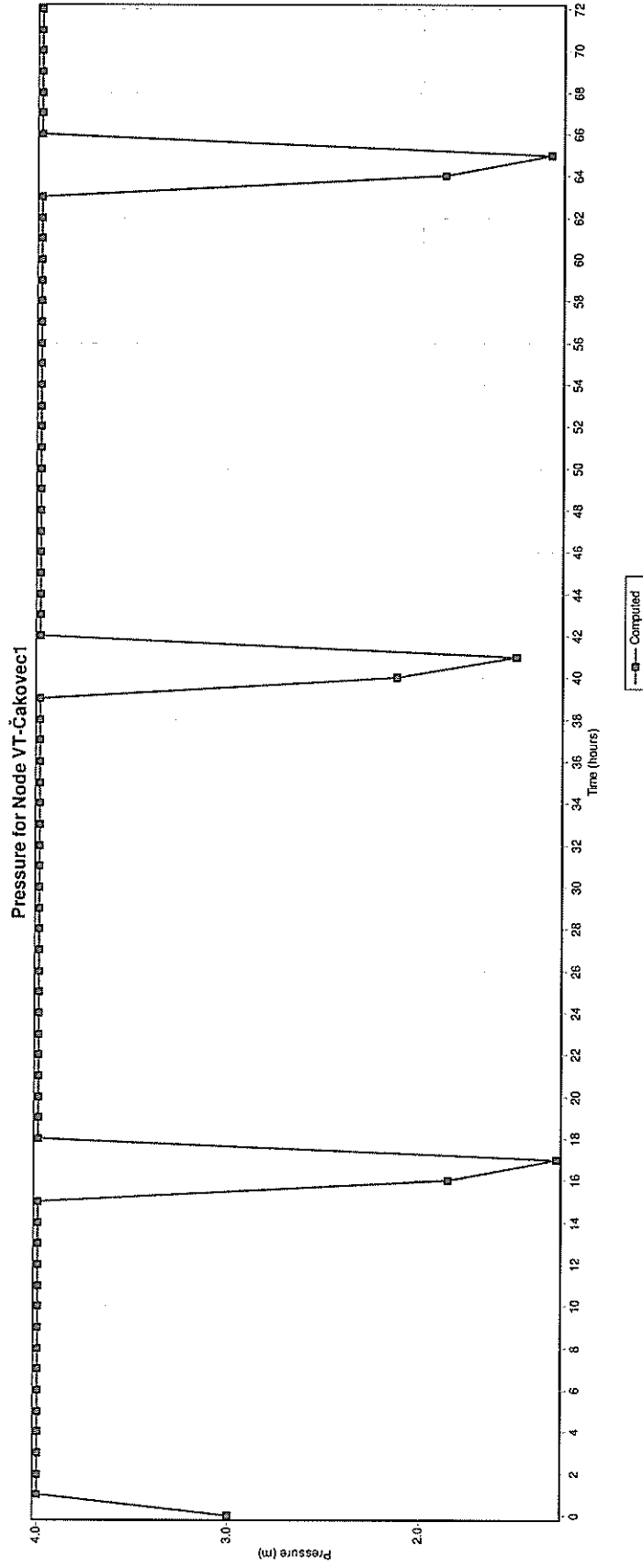
## Buduće stanje: dijagrami proizvodnje i potrošnje



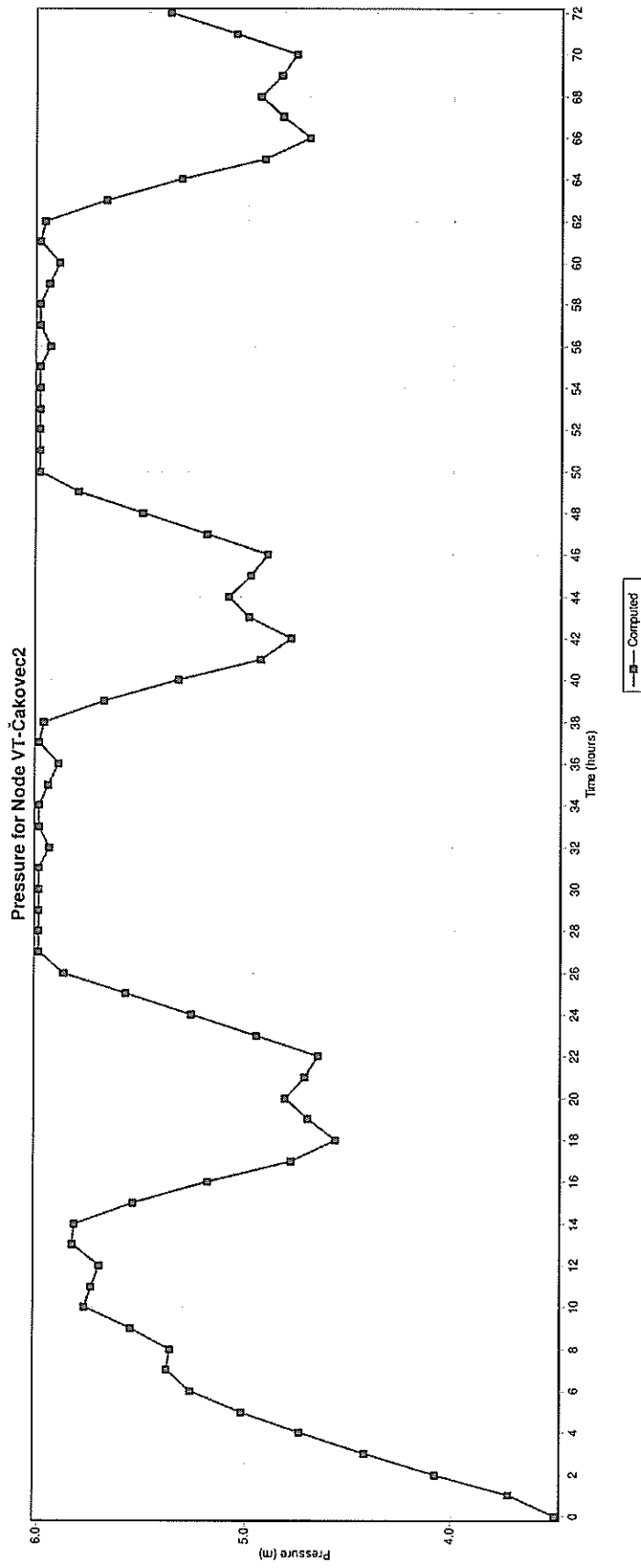
# Buduće stanje: srednja dnevna proizvodnja i potrošnja



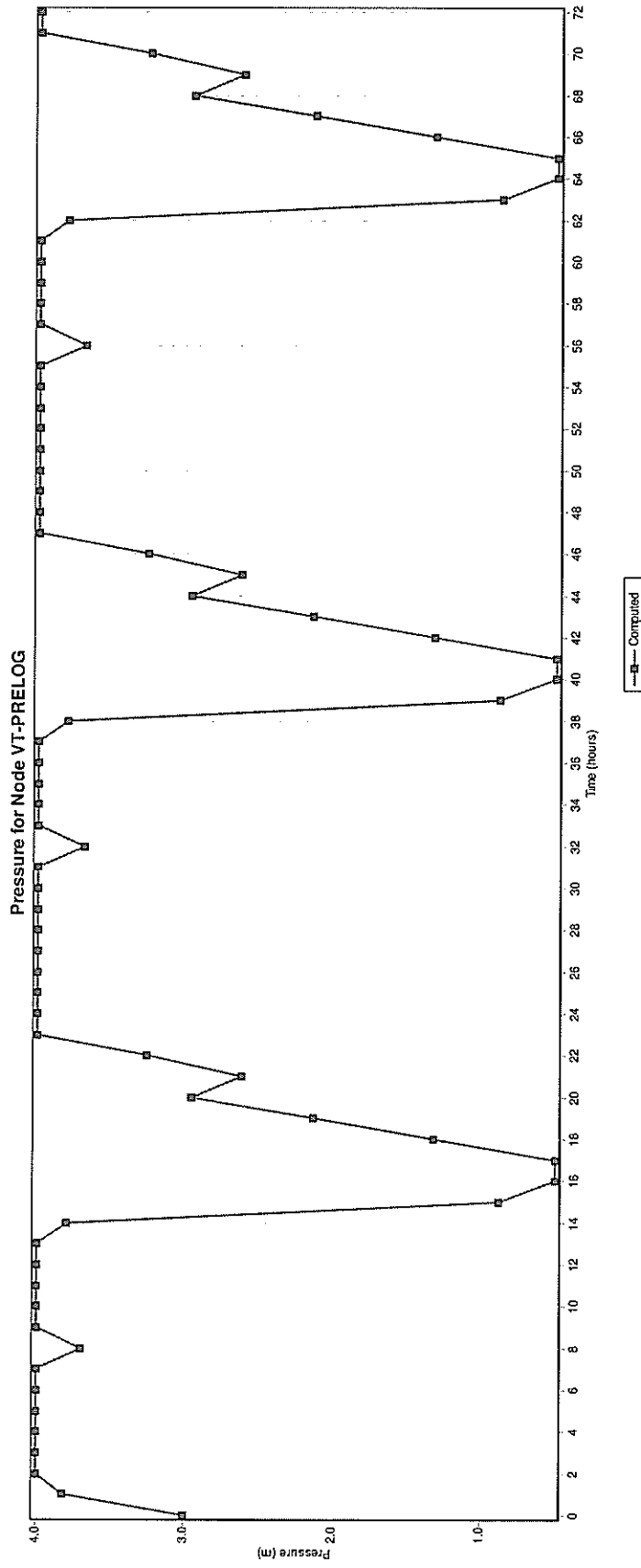
# Buduće stanje: dijagram punjenja i pražnjenja VT Čakovec1



# Buduće stanje: dijagram punjenja i pražnjenja VT Čakovec2

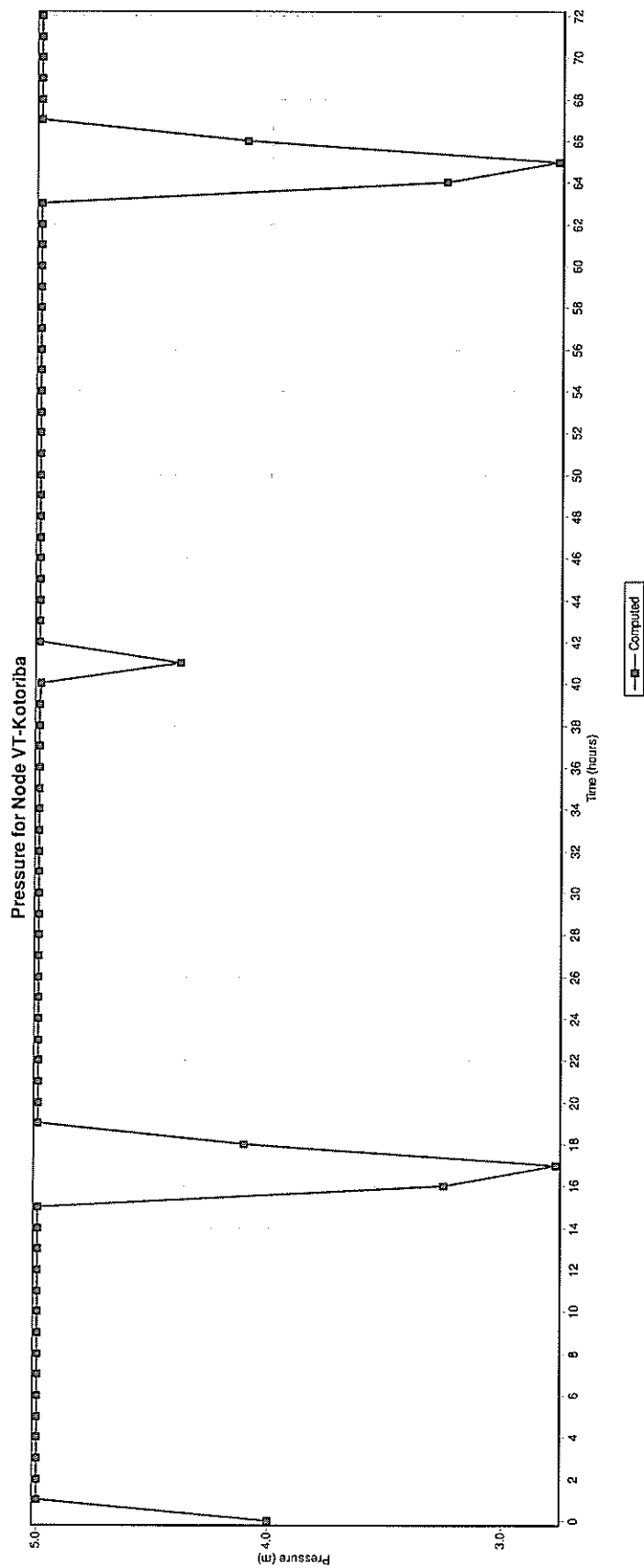


# Buduće stanje: dijagram punjenja i pražnjenja VT Prelog

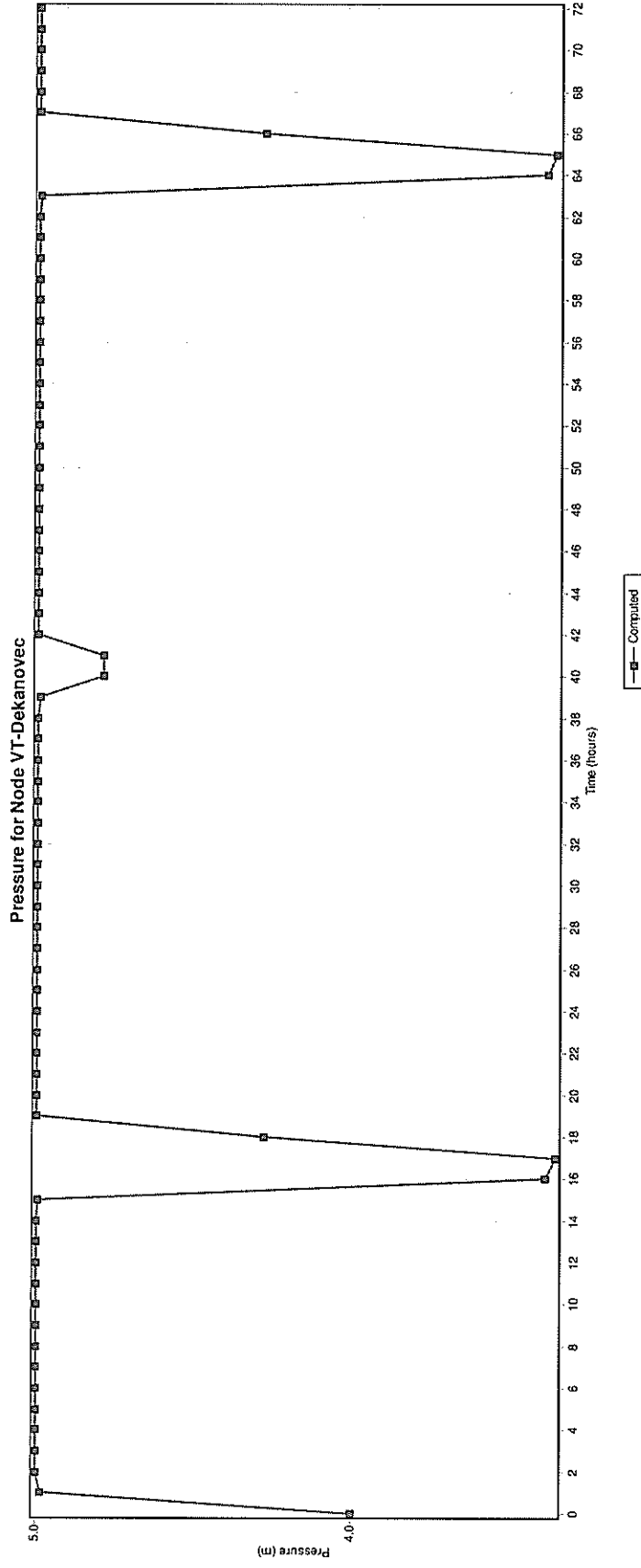




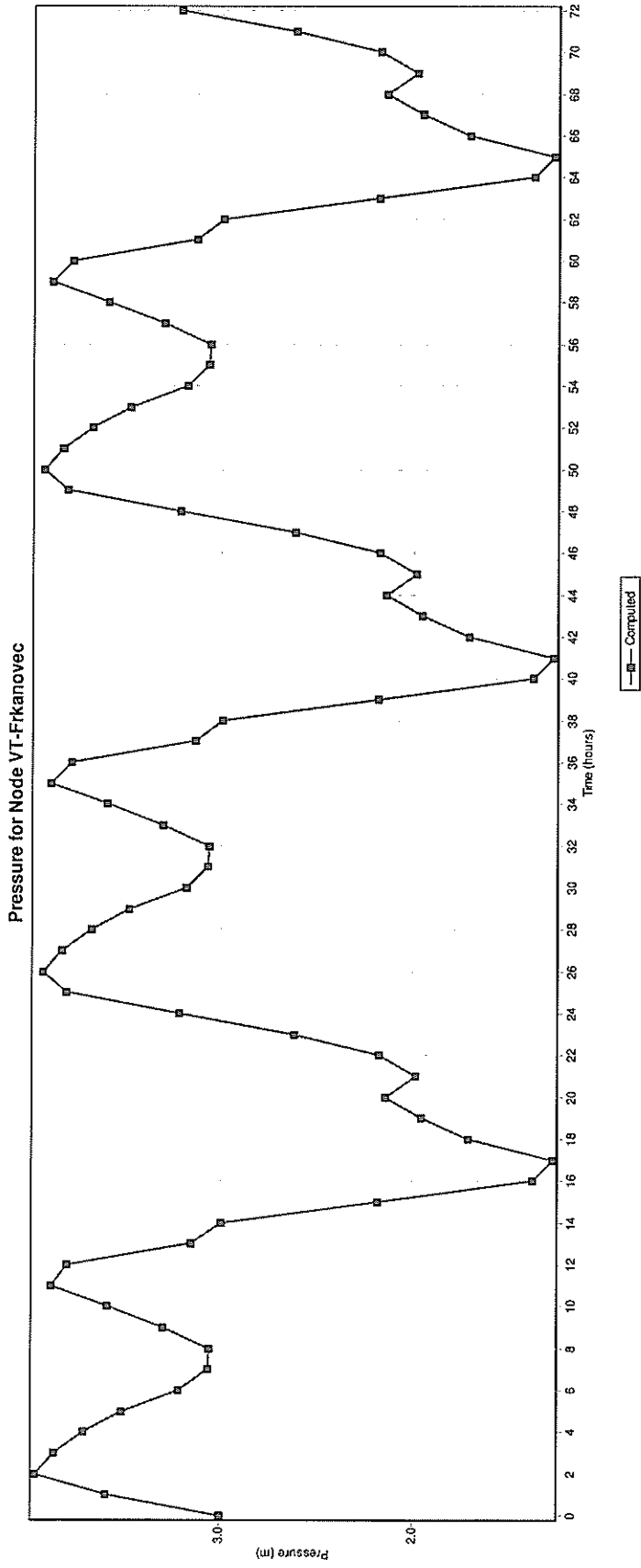
# Buduće stanje: dijagram punjenja i pražnjenja VT Kotoriba



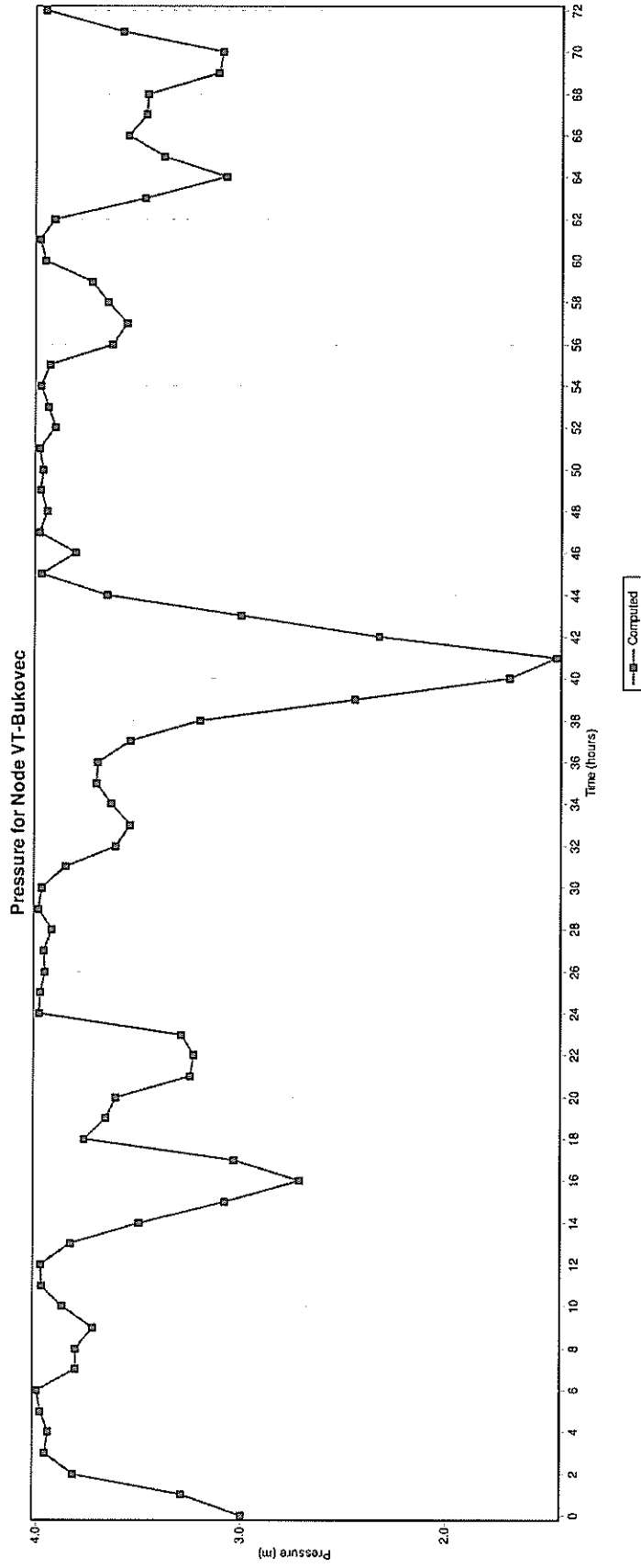
# Buduće stanje: dijagram punjenja i pražnjenja VT Dekanovec



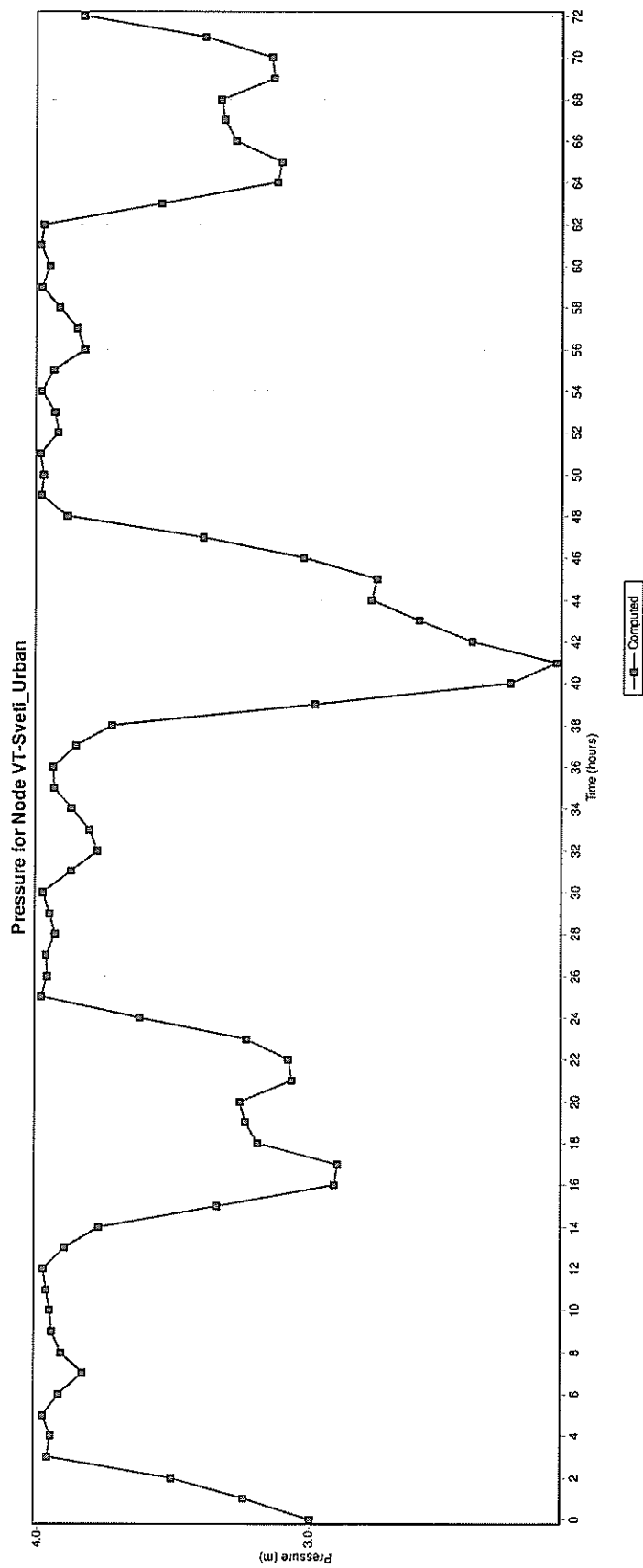
# Buduće stanje: dijagram punjenja i pražnjenja VT Frkanovec



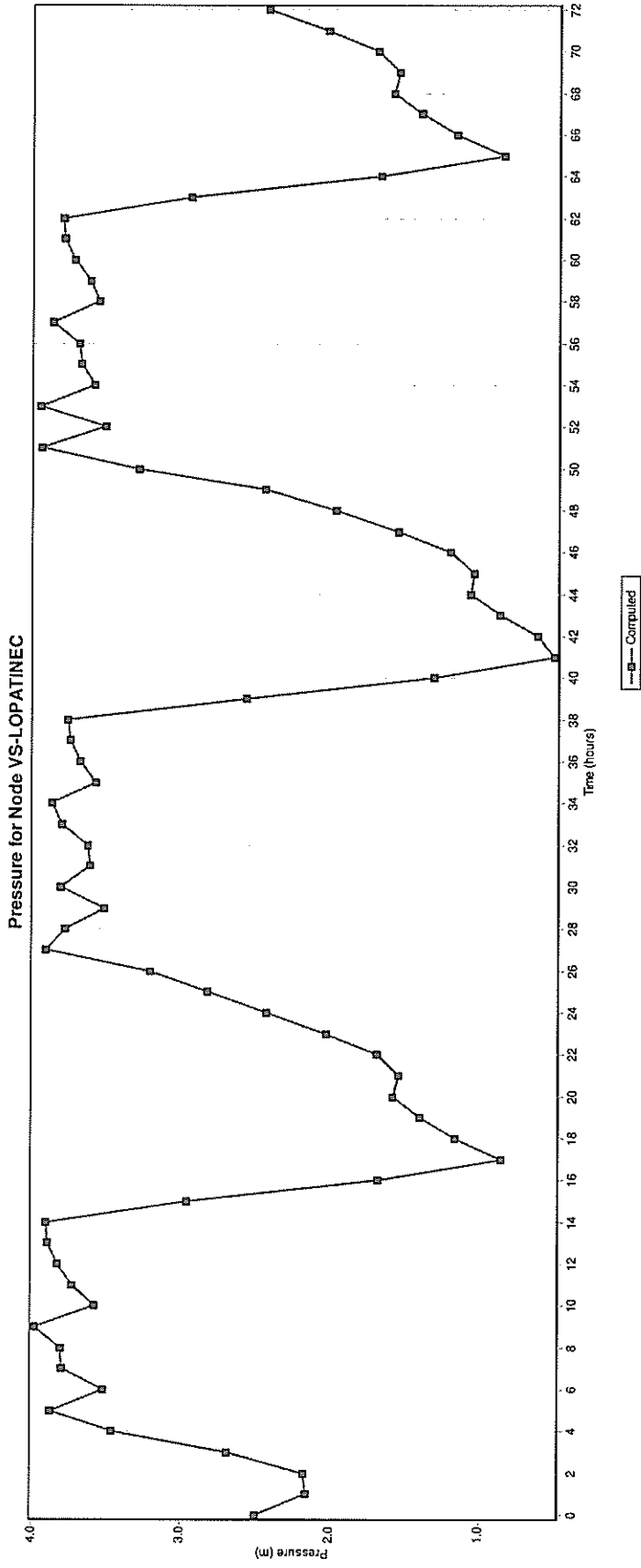
# Buduće stanje: dijagram punjenja i pražnjenja VT Bukovec



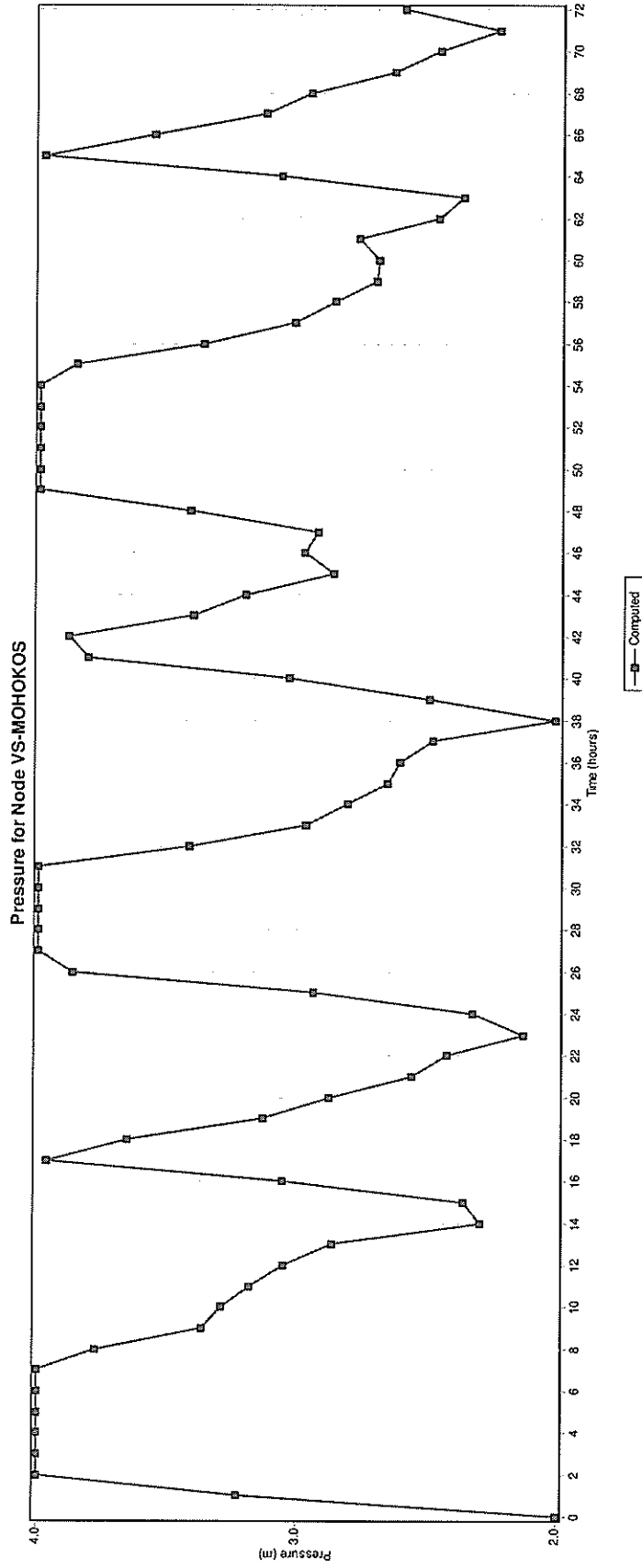
# Buduće stanje: dijagram punjenja i pražnjenja VT Sveti Urban



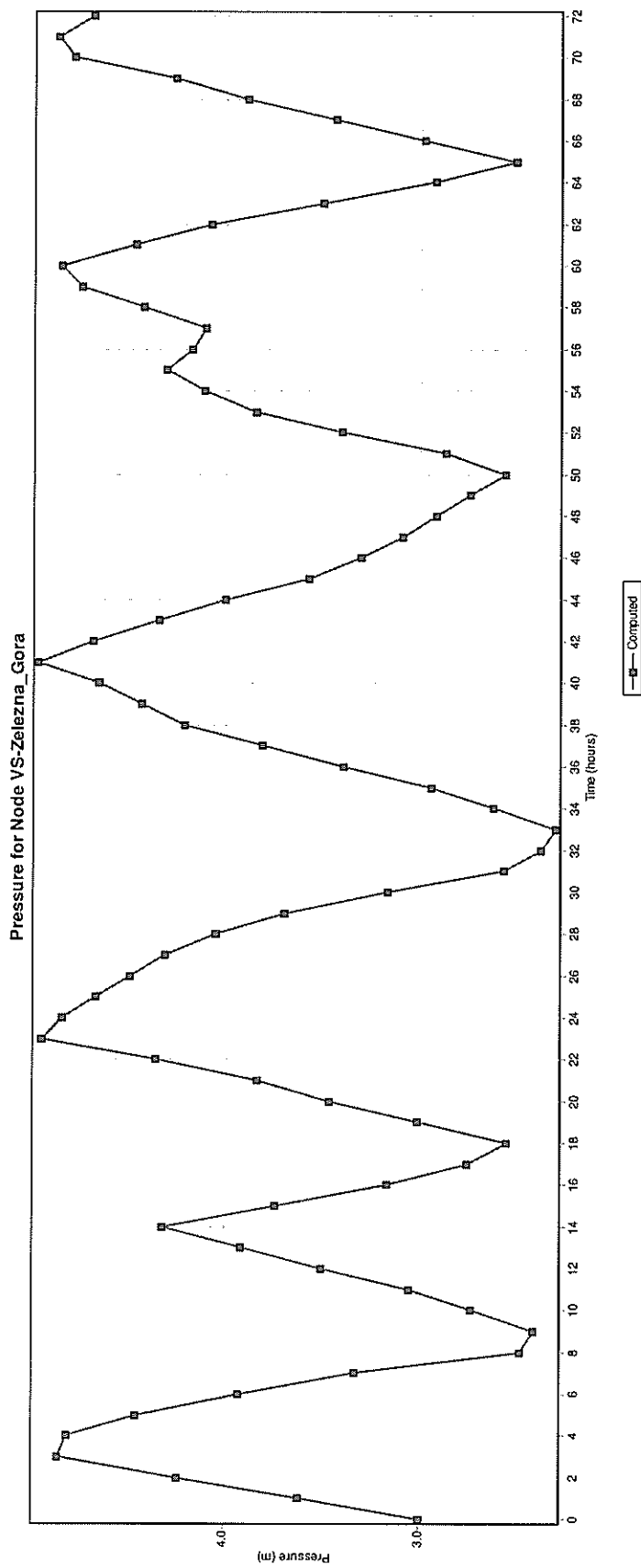
# Buduće stanje: dijagram punjenja i pražnjenja VS Lopatinec



# Buduće stanje: dijagram punjenja i pražnjenja VS Mohokos

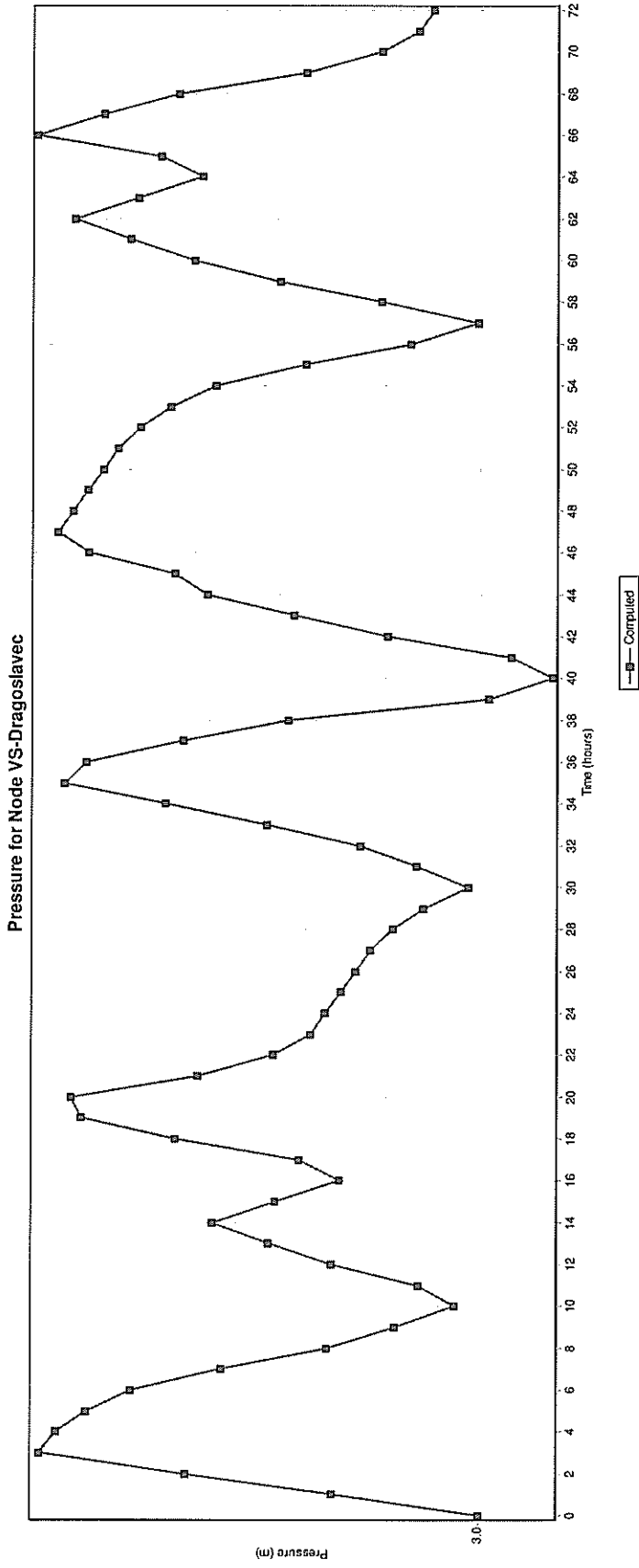


# Buduće stanje: dijagram punjenja i pražnjenja VS Železna Gora



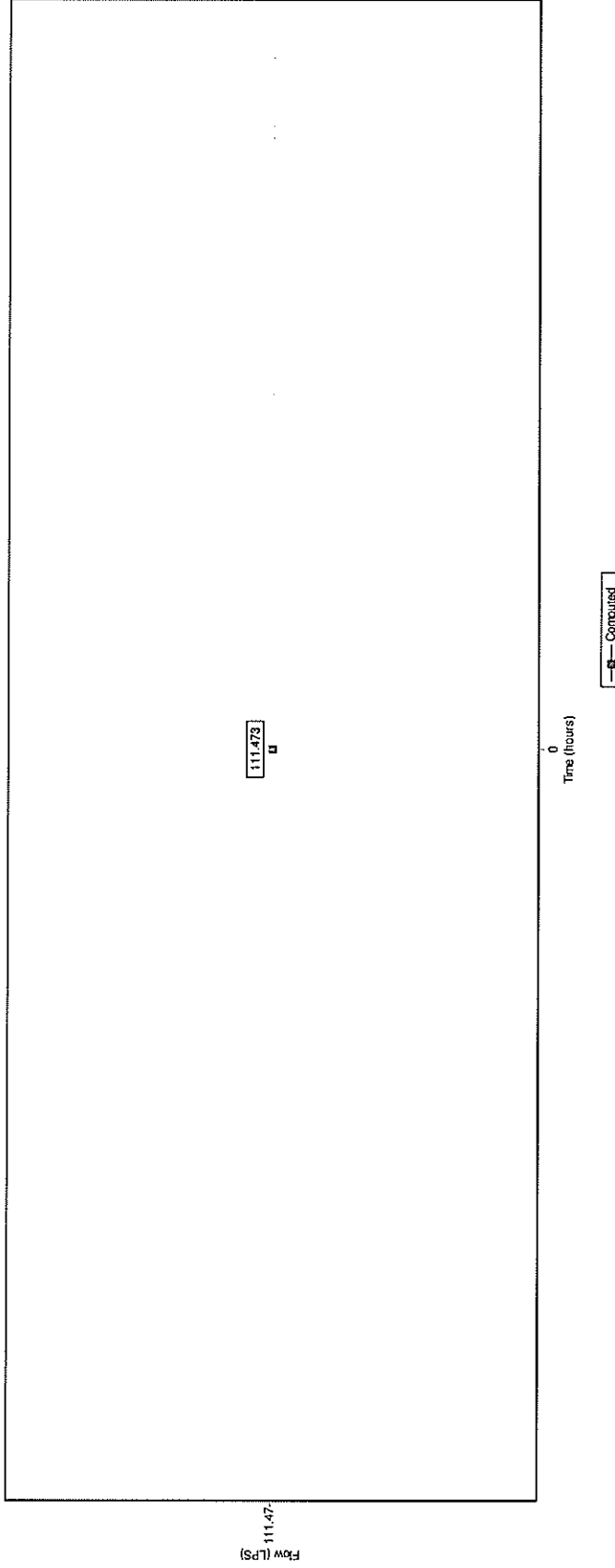


# Buduće stanje: dijagram punjenja i pražnjenja VS Dragoslavec



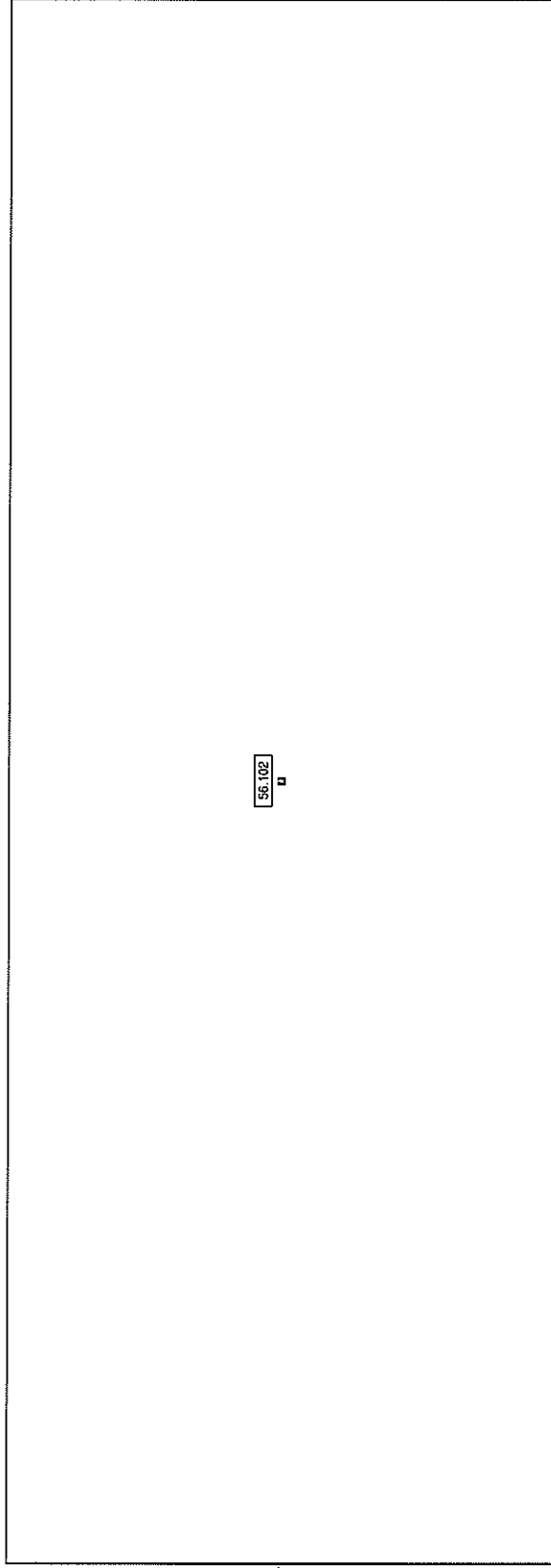
# Buduće stanje: Qsr.dn. za cjevovod vodocrpilište Nedelišće - VS Lopatinec

Flow for Link PL1637



# Buduće stanje: Qsr.dn. za cjevovod vodocrpilište Nedelišće - Čakovec (PVC DN400)

Flow for Link PL1637A



56.1-  
Flow (LPS)

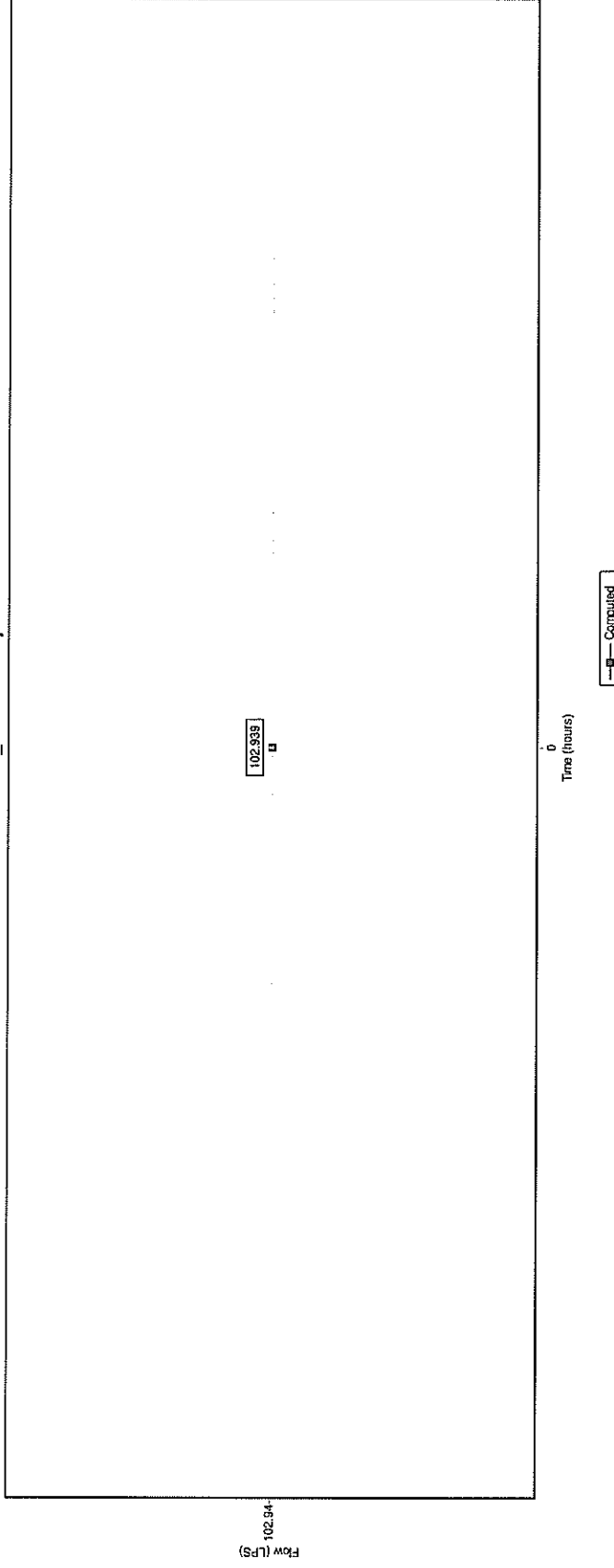
56.102  
m

0  
Time (hours)

Computed

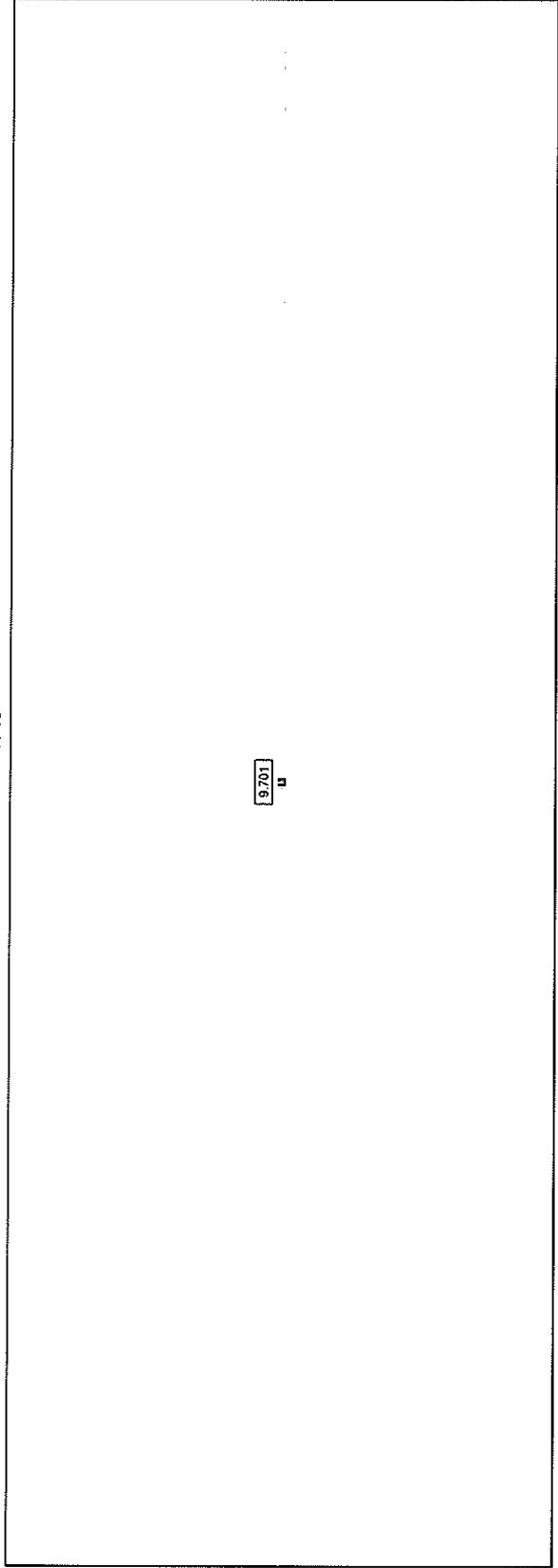
# Buduće stanje: Qsr.dn. za cjevovod vodocrpilište Nedelišće - Čakovec (DUC DN500)

Flow for Link PL1617\_rekonstrukcija



# Buduće stanje: Qsr.dn. za cjevovod vodocrpilište Nedelišće - jug (DUC DN250)

Flow for Link PL1743



Flow (LPS)

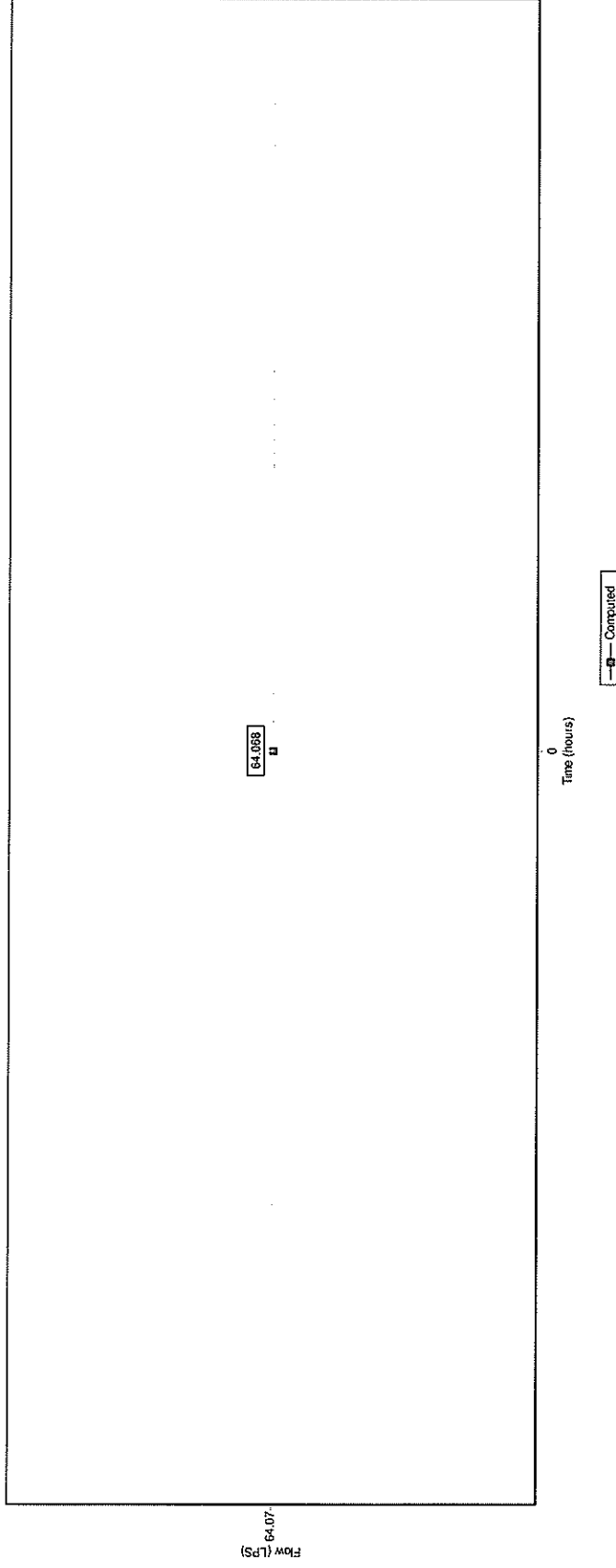
9.701  
m

0  
Time (hours)

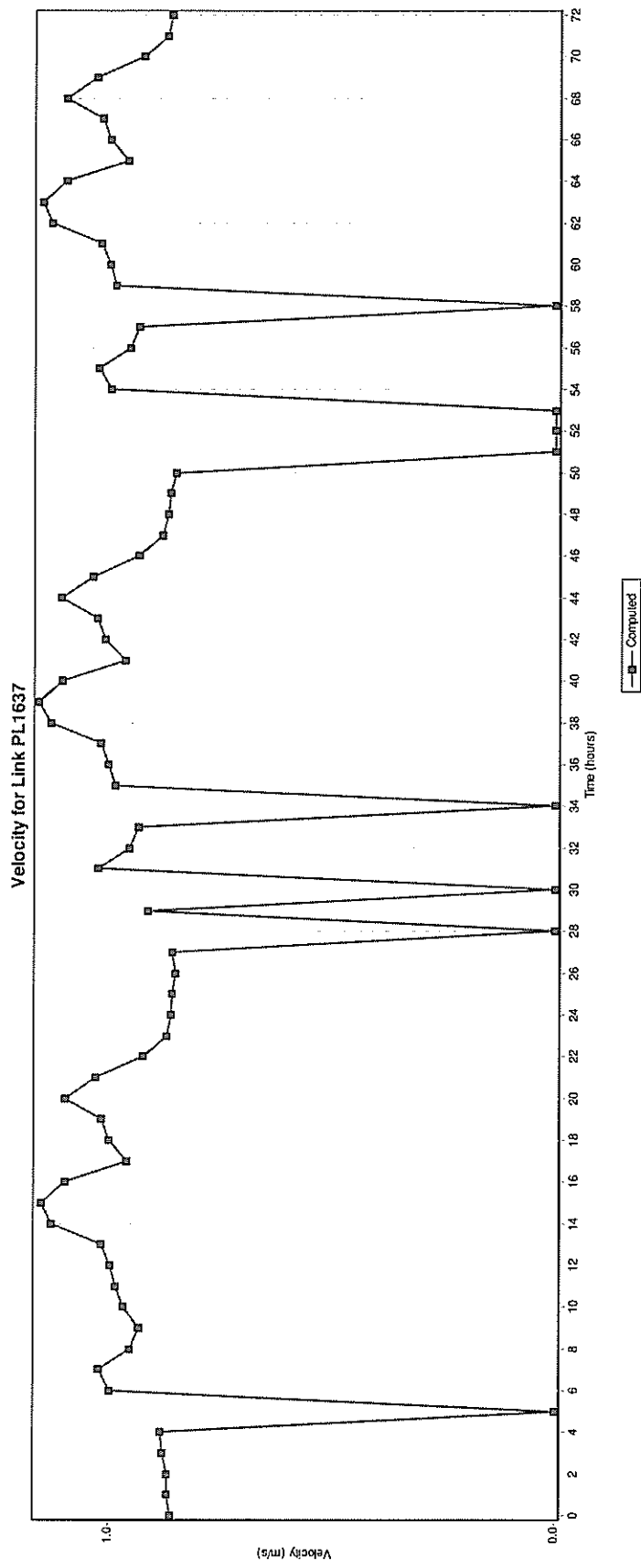
—■— Computed

# Buduće stanje: Qsr.dn. za cjevovod vodocrpilište Prelog - mreža - VT Prelog

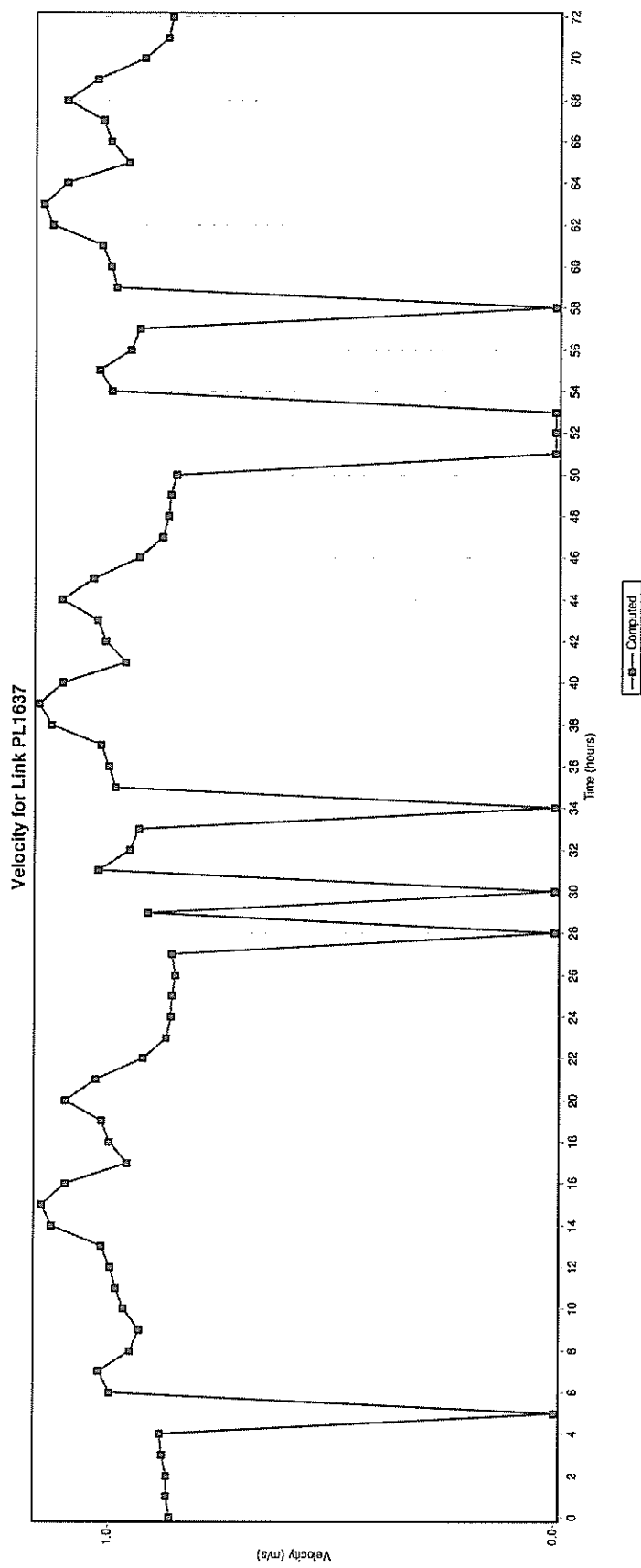
Flow for Link PL3629



# Buduće stanje: dijagram brzina za cjevovod vodocrpilište Nedelišće - VS Lopatinec

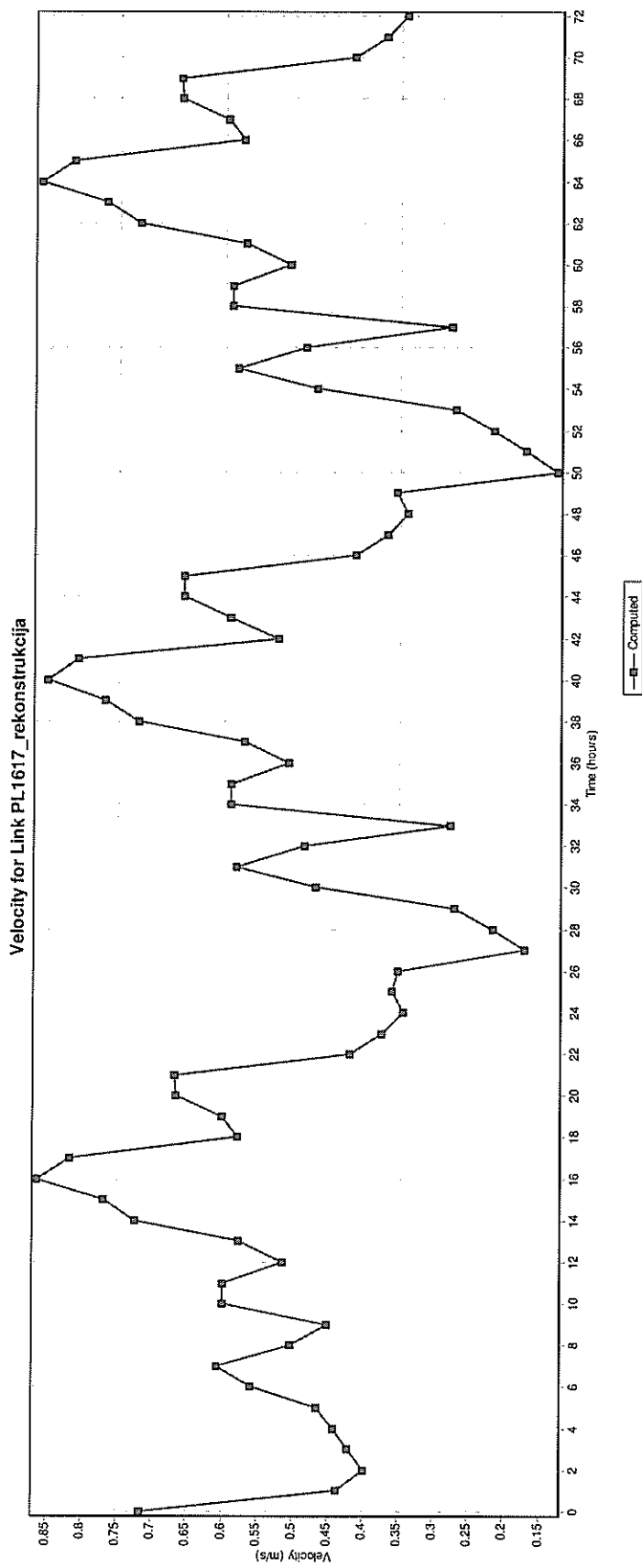


# Buduće stanje: dijagram brzina za cjevovod vodocrpilište Nedelišće - Čakovec (PVC DN400)

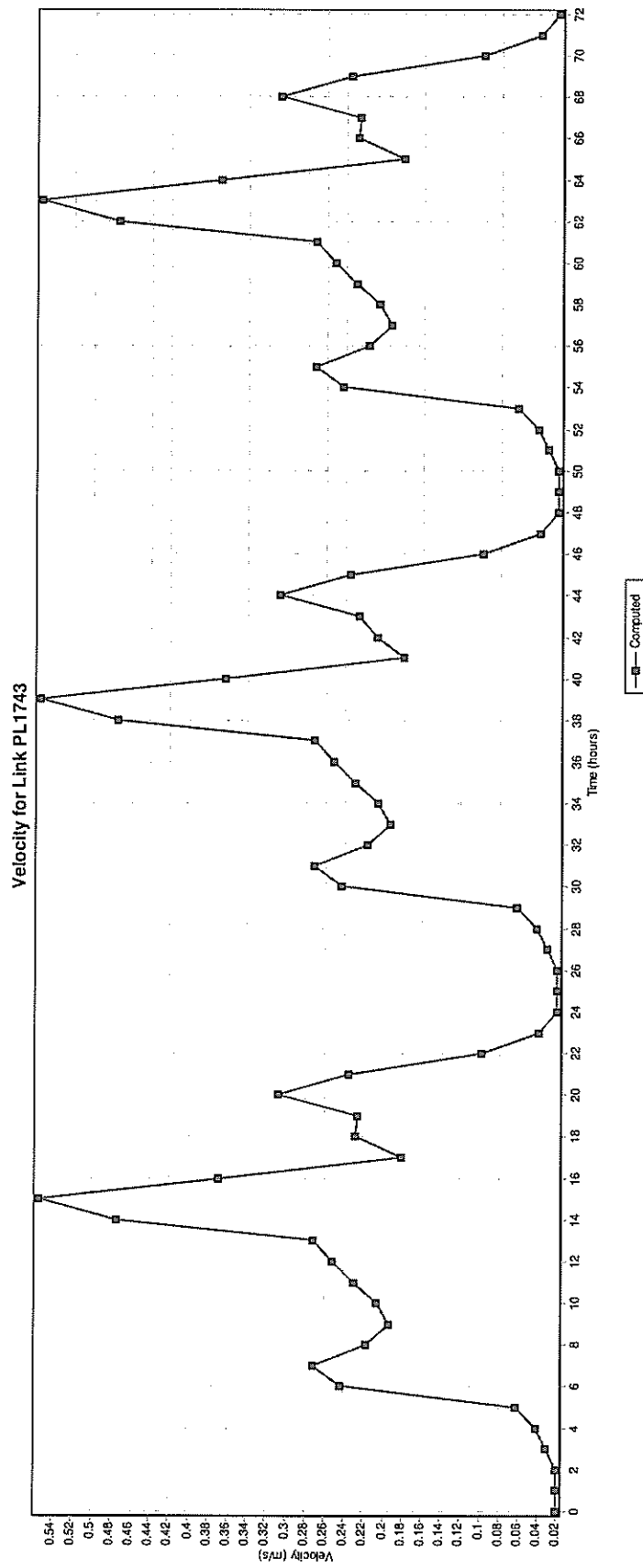




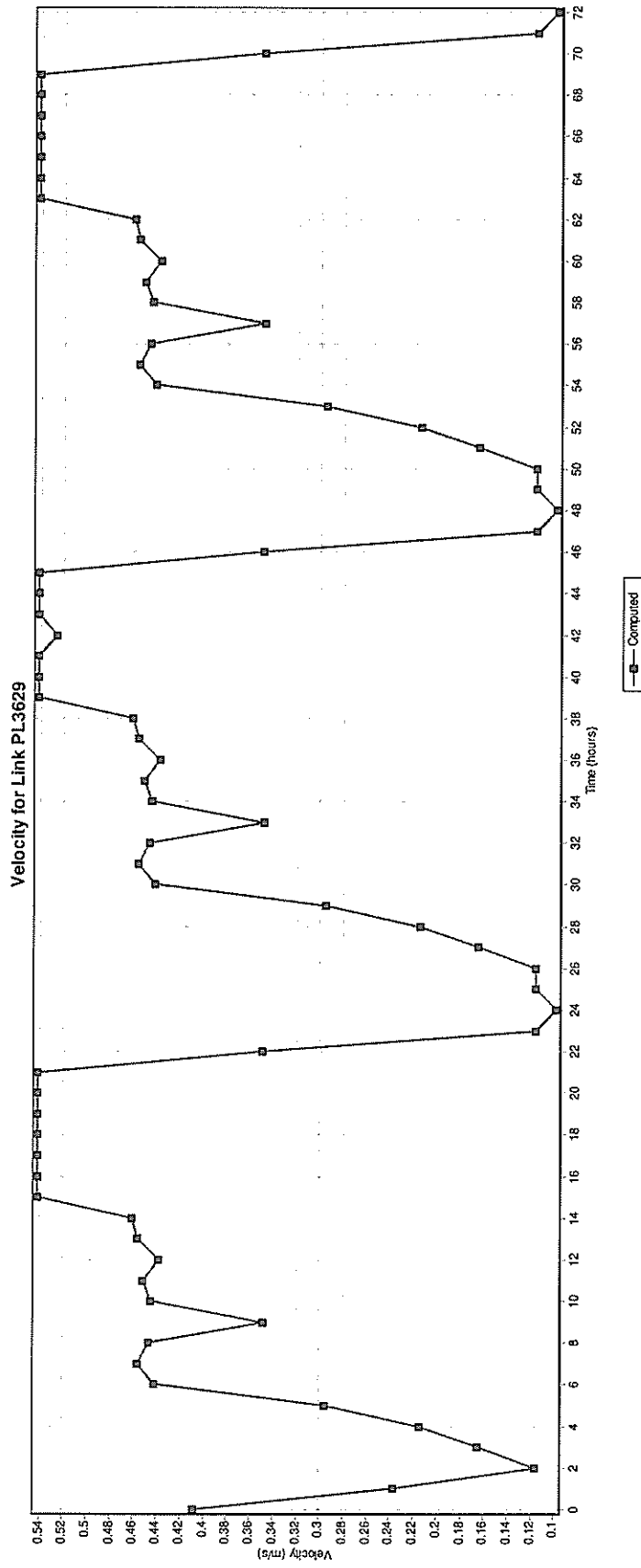
# Buduće stanje: dijagram brzina za cjevovod vodocrpilište Nedelišće - Čakovec (DUC DN500)



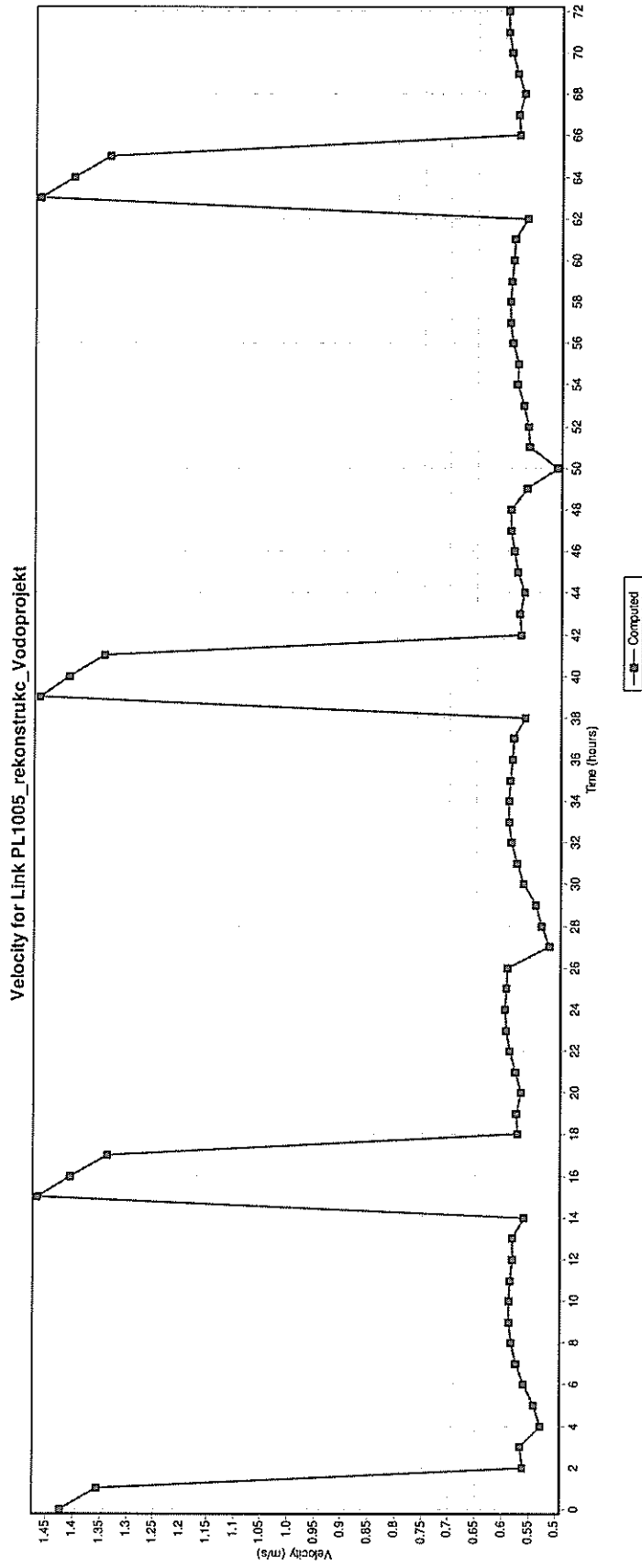
# Buduće stanje: dijagram brzina za cjevovod vodocrpište Nedelišće - jug (duc DN250)



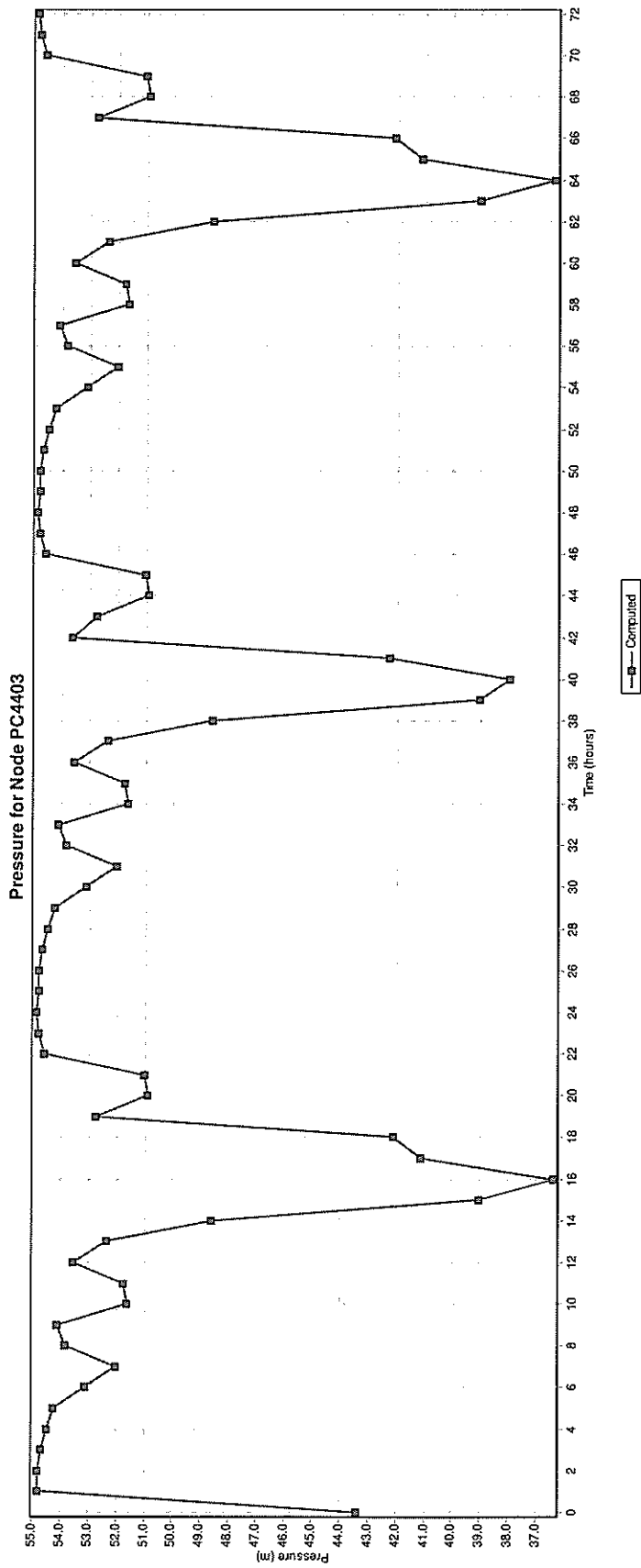
# Buduće stanje: dijagram brzina za cjevovod vodocrpilište Prelog - mreža - VT Prelog



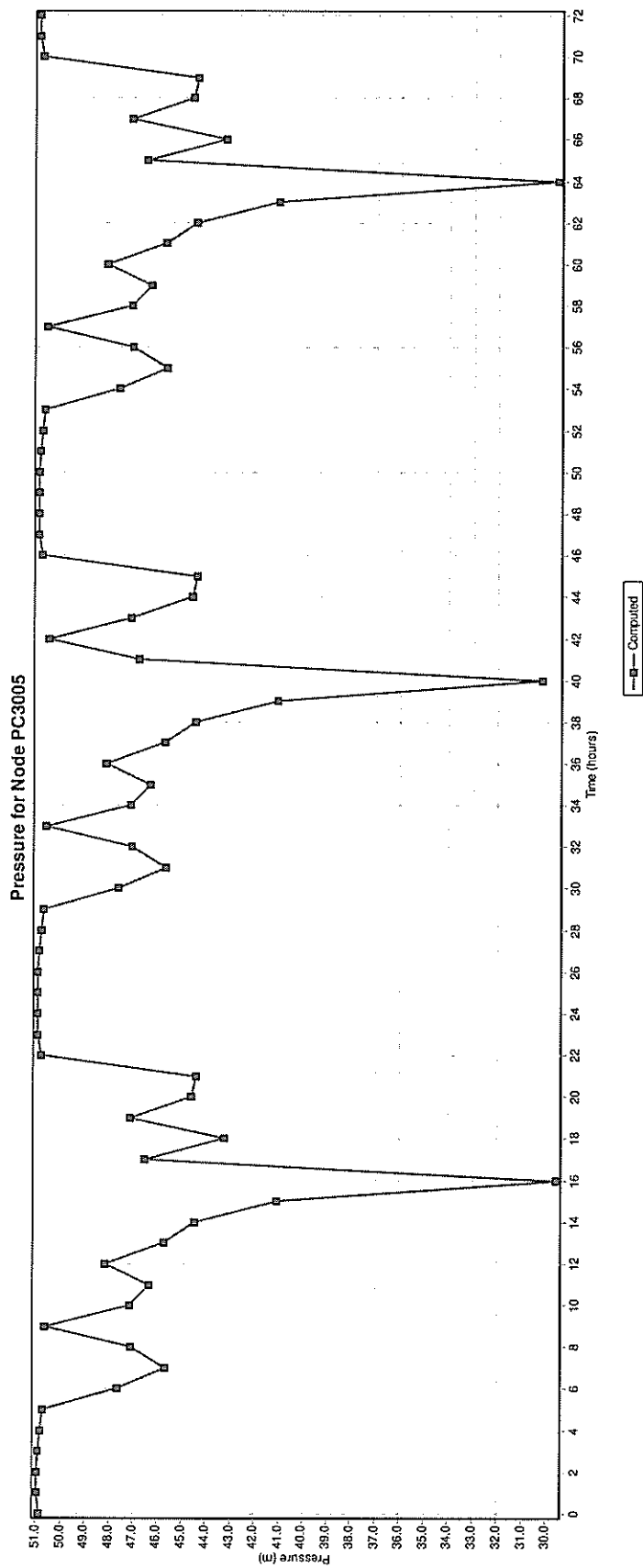
# Buduće stanje: dijagram brzina za tlačni cjevovod PC Lopatinec - VS Mohokos



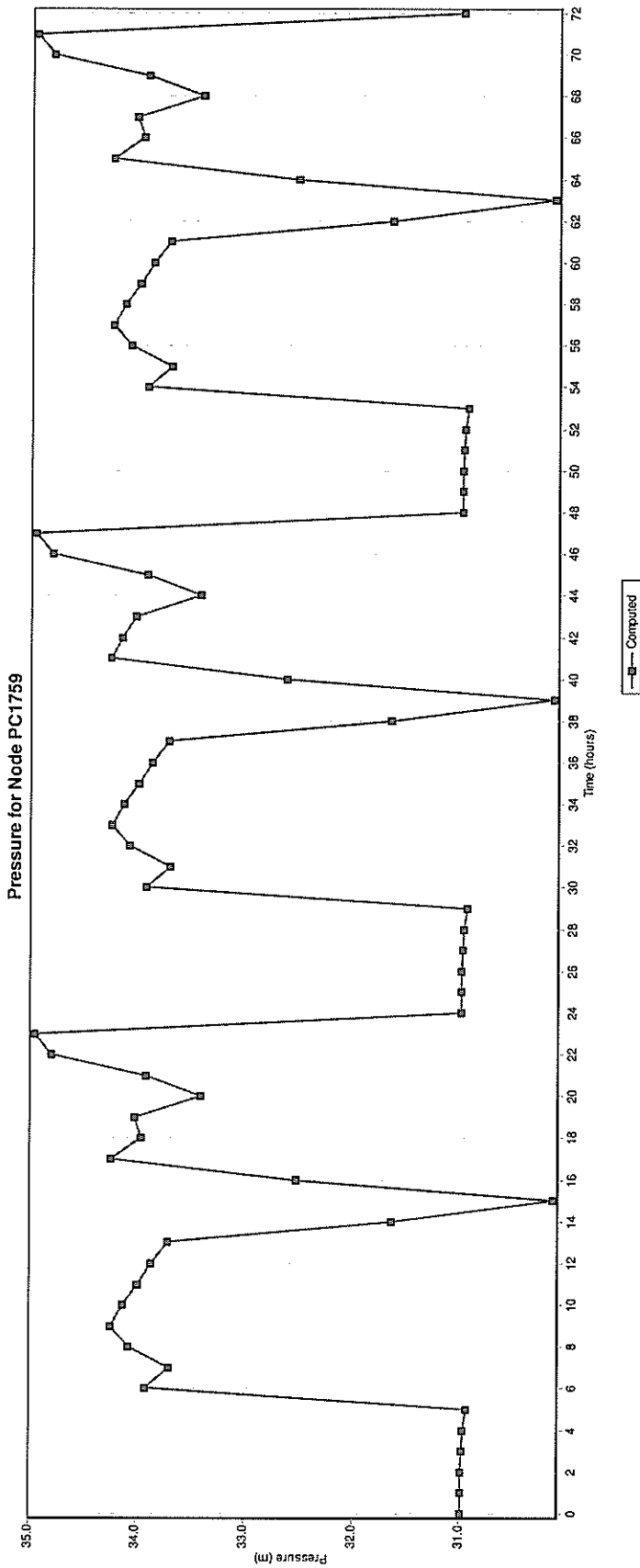
# Buduće stanje: dijagram tlakova u naselju Kotoriba



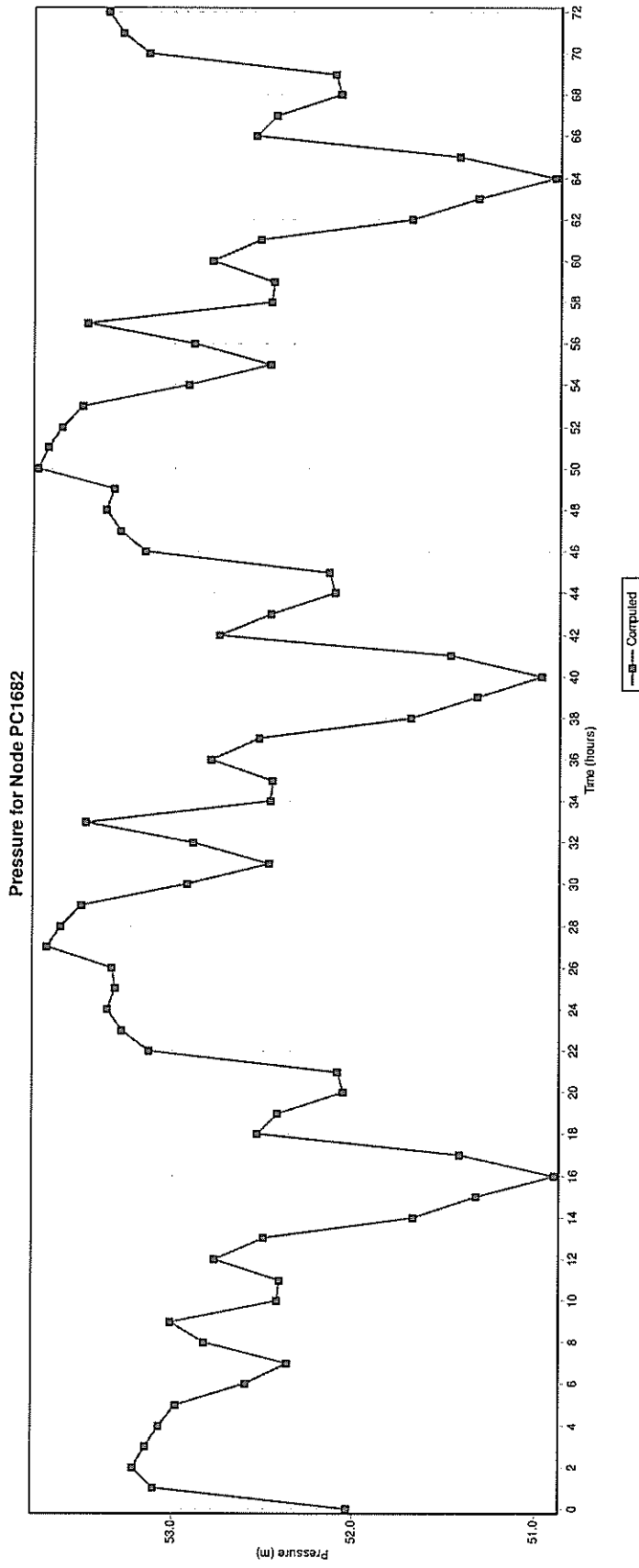
# Buduće stanje: dijagram tlakova u gradu Prelog



# Buduće stanje: dijagram tlakova u naselju Kuršanec

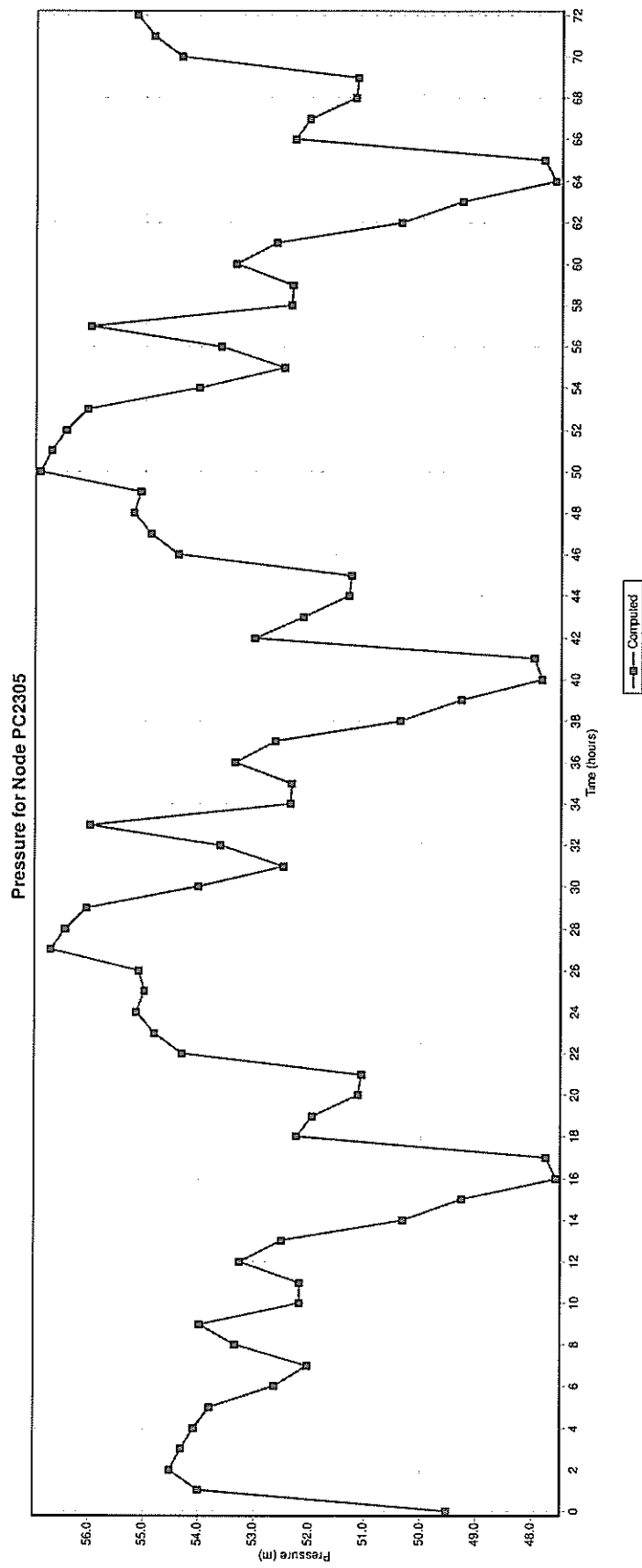


# Buduće stanje: dijagram tlakova u naselju Nedelišće

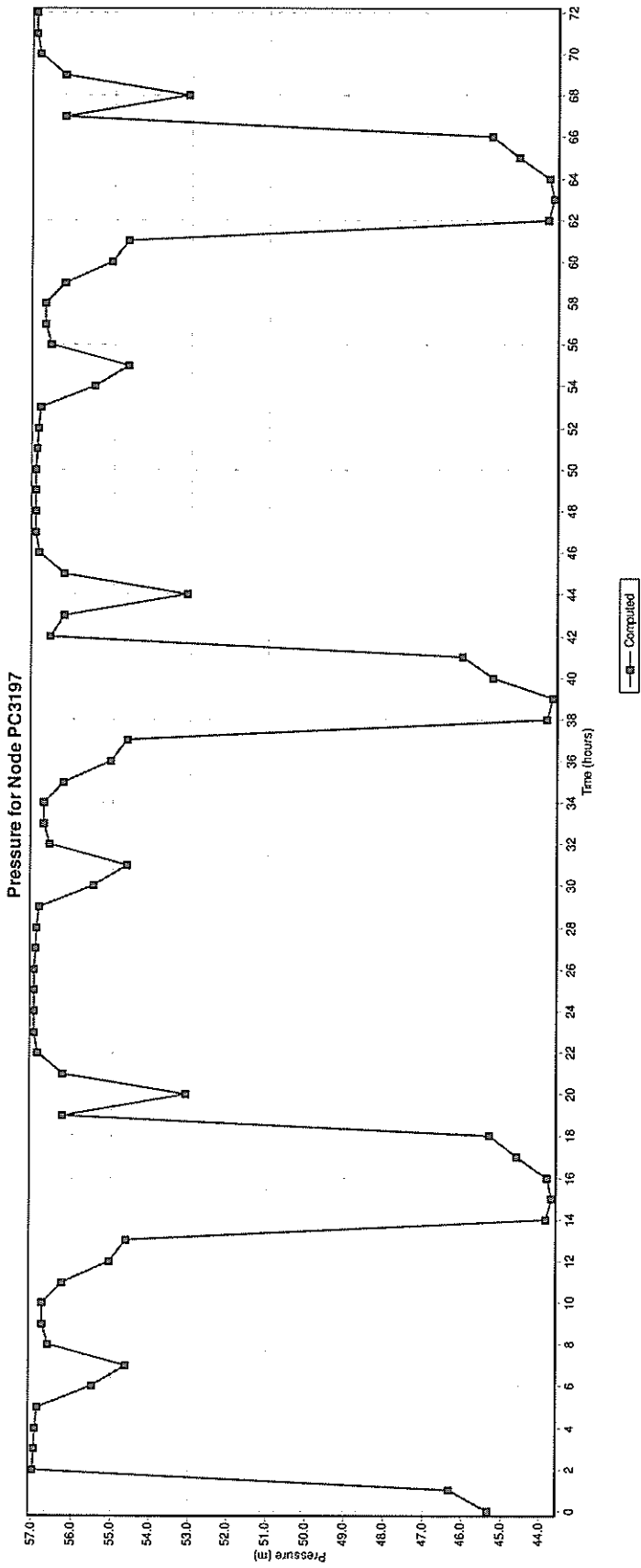




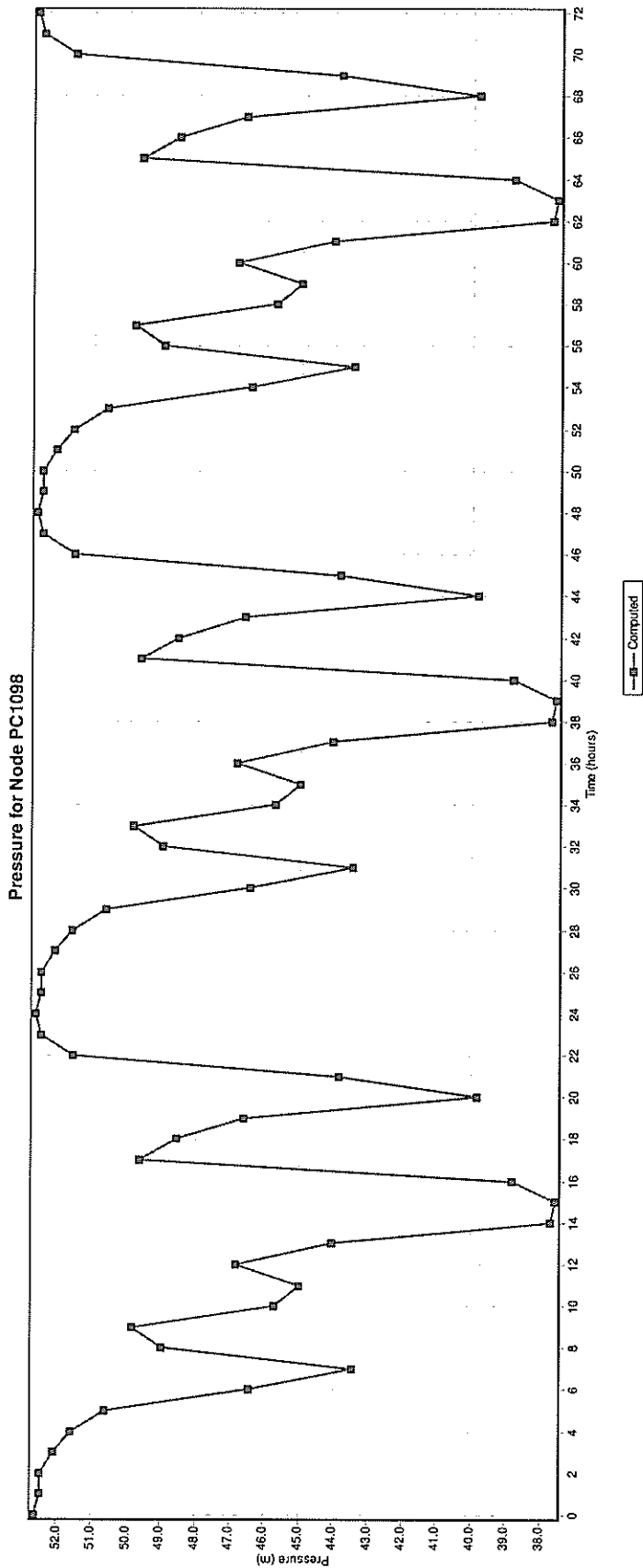
# Buduće stanje: dijagram tlakova u gradu Čakovec



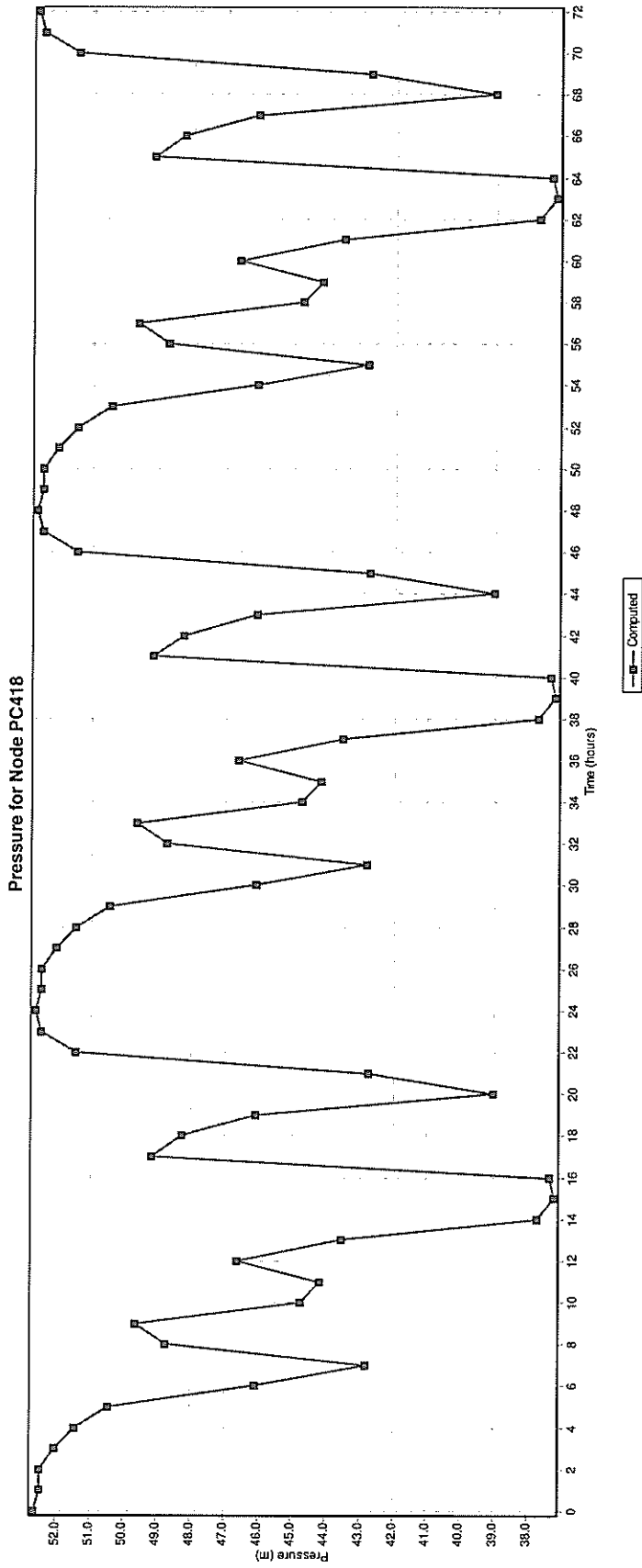
# Buduće stanje: dijagram tlakova u naselju Podturen



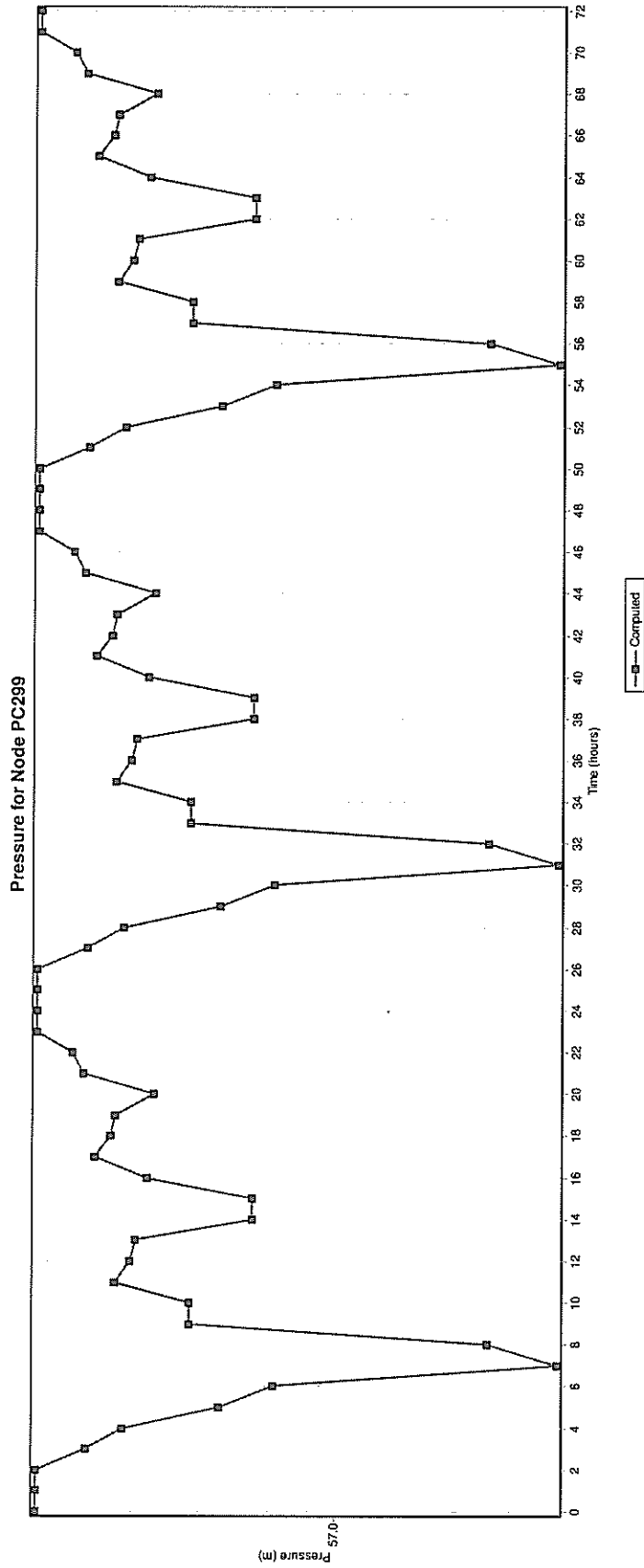
# Buduće stanje: dijagram tlakova u naselju Peklenica



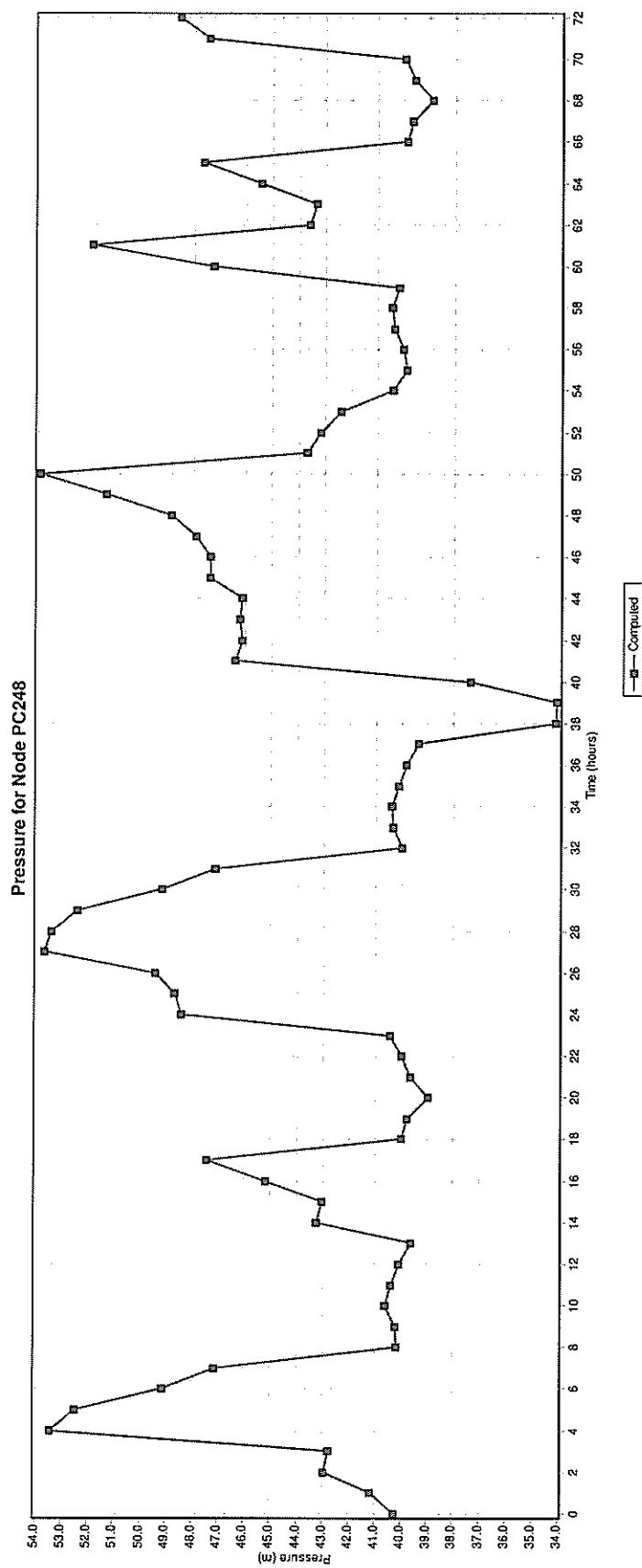
# Buduće stanje: dijagram tlakova u gradu Mursko Središće



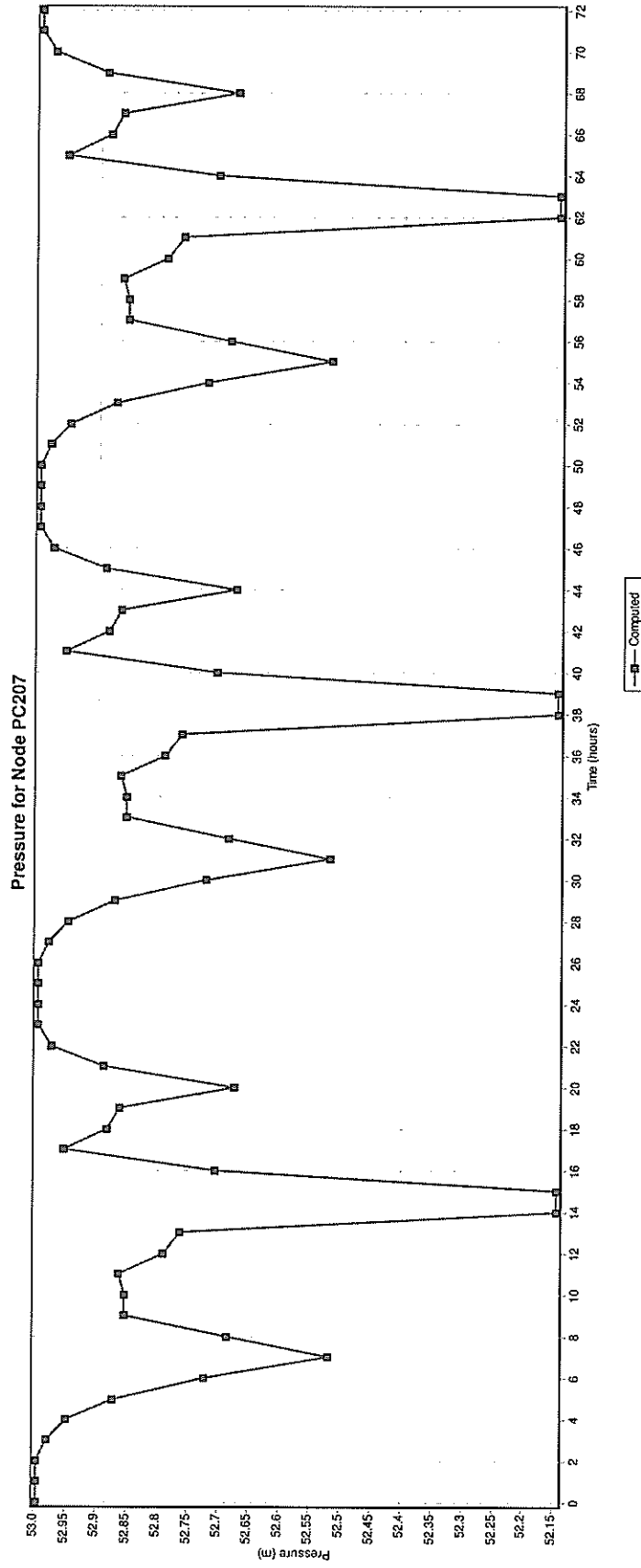
# Buduće stanje: dijagram tlakova u naselju Čestijanec



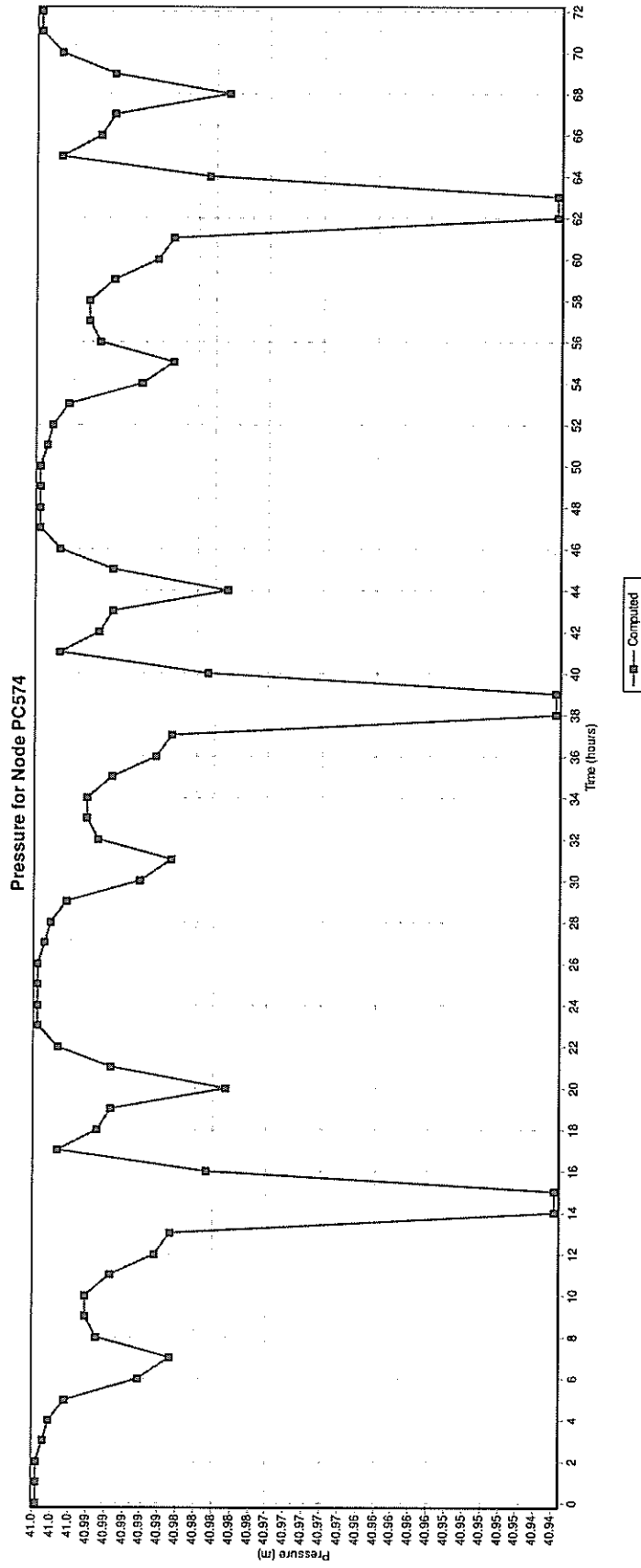
# Buduće stanje: dijagram tlakova na području Grabrovnik



# Buduće stanje: dijagram tlakova na području Štrigova

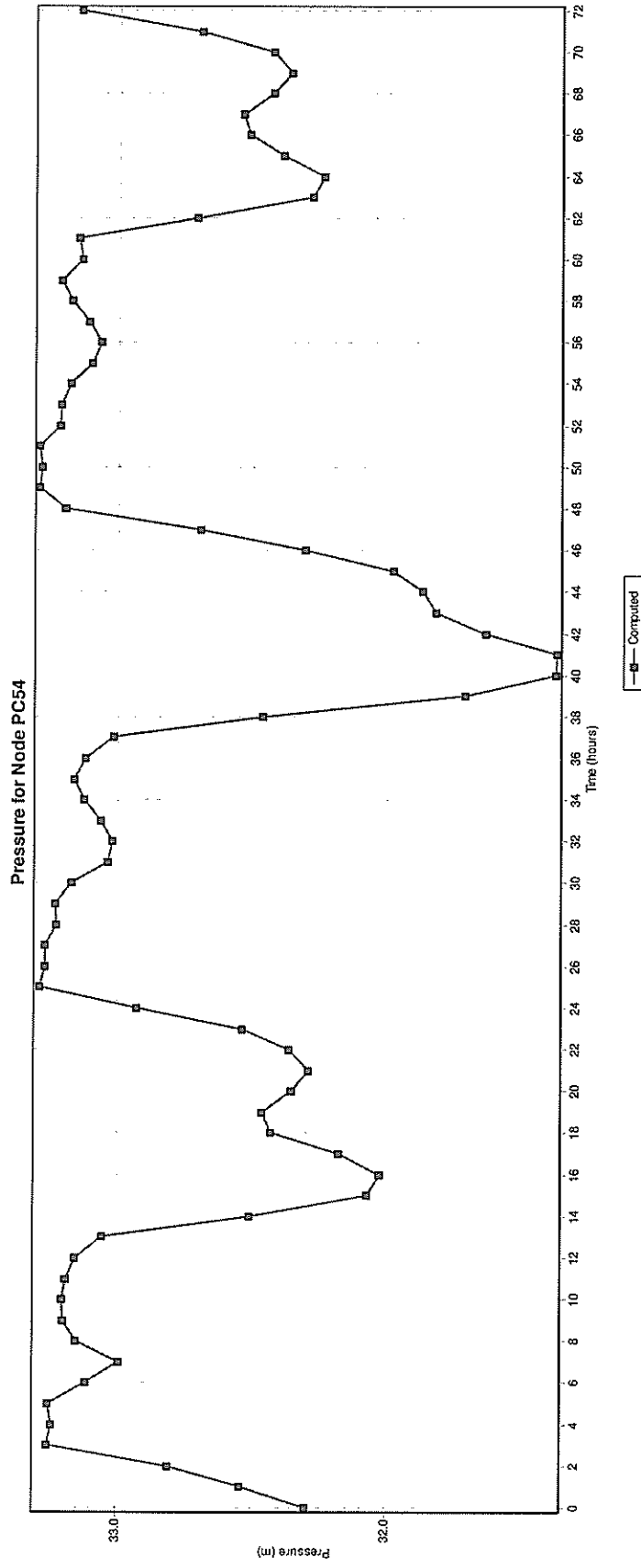


# Buduće stanje: dijagram tlakova na području Grkavešćak

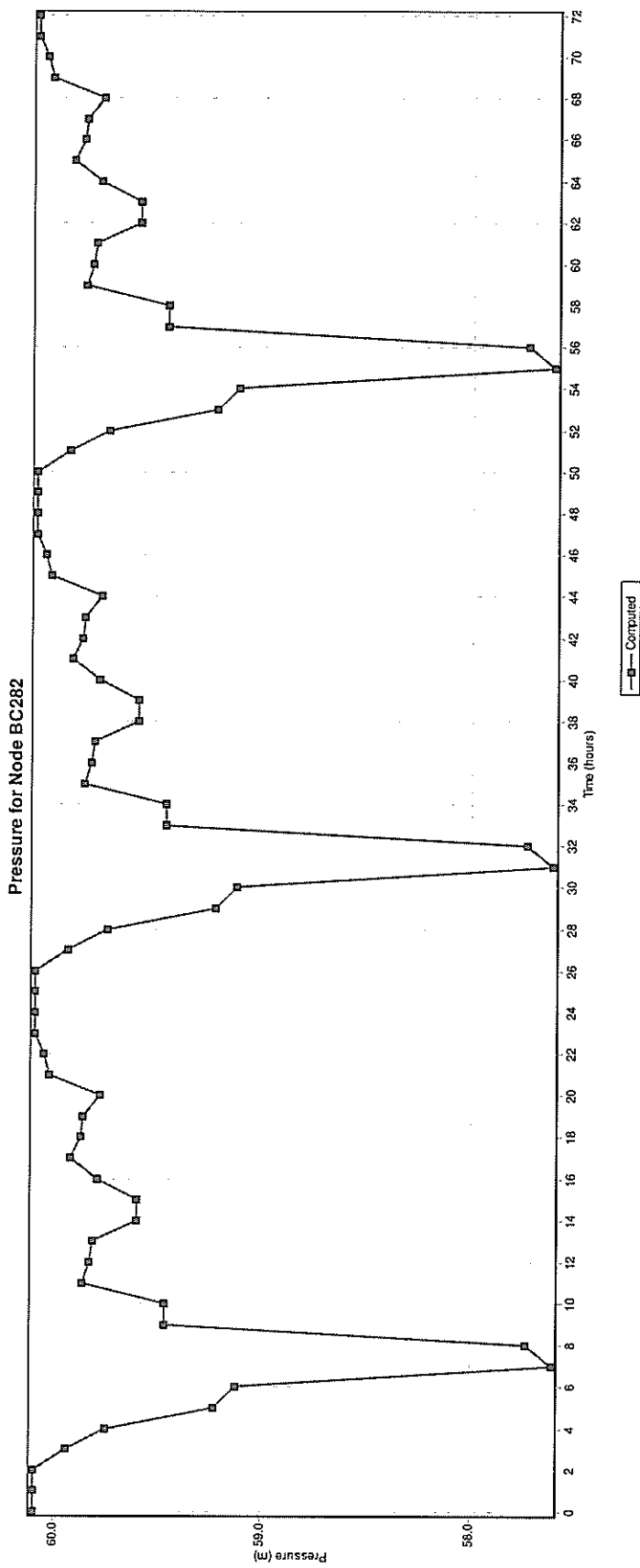




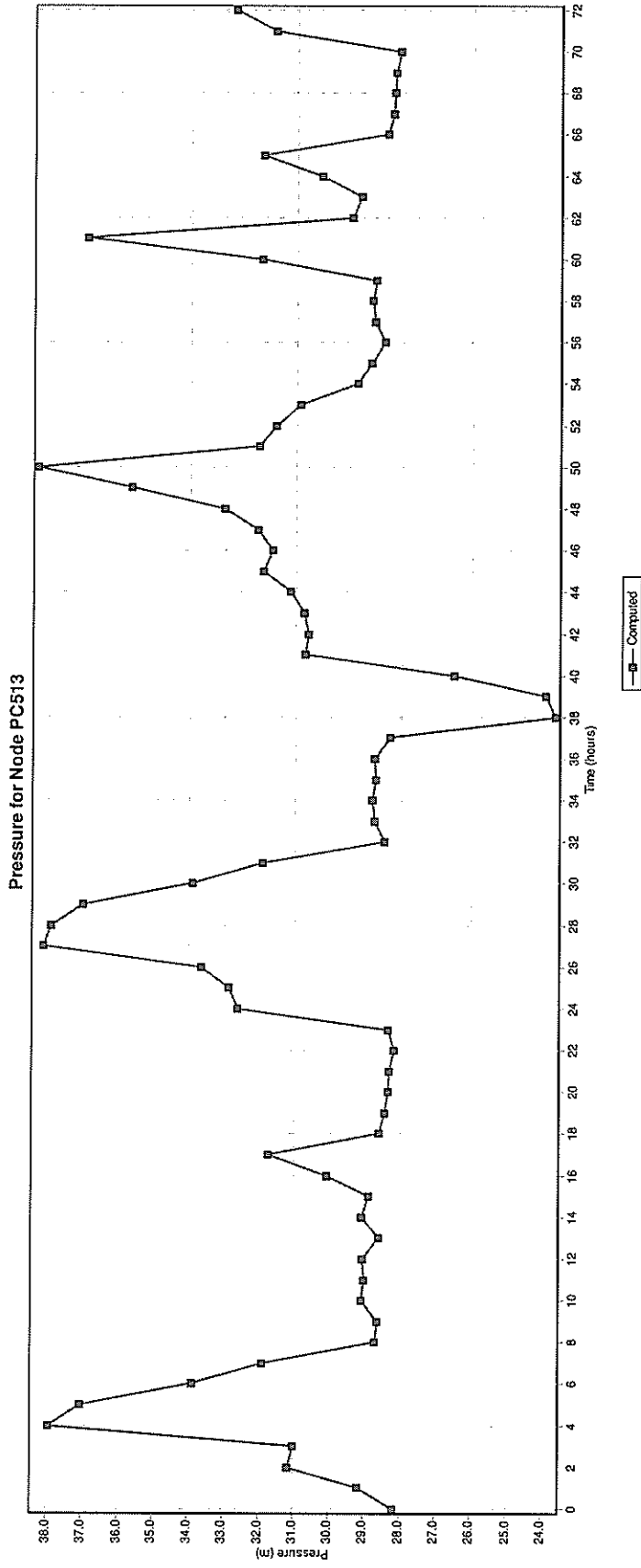
# Buduće stanje: dijagram tlakova na području Sveti Urban



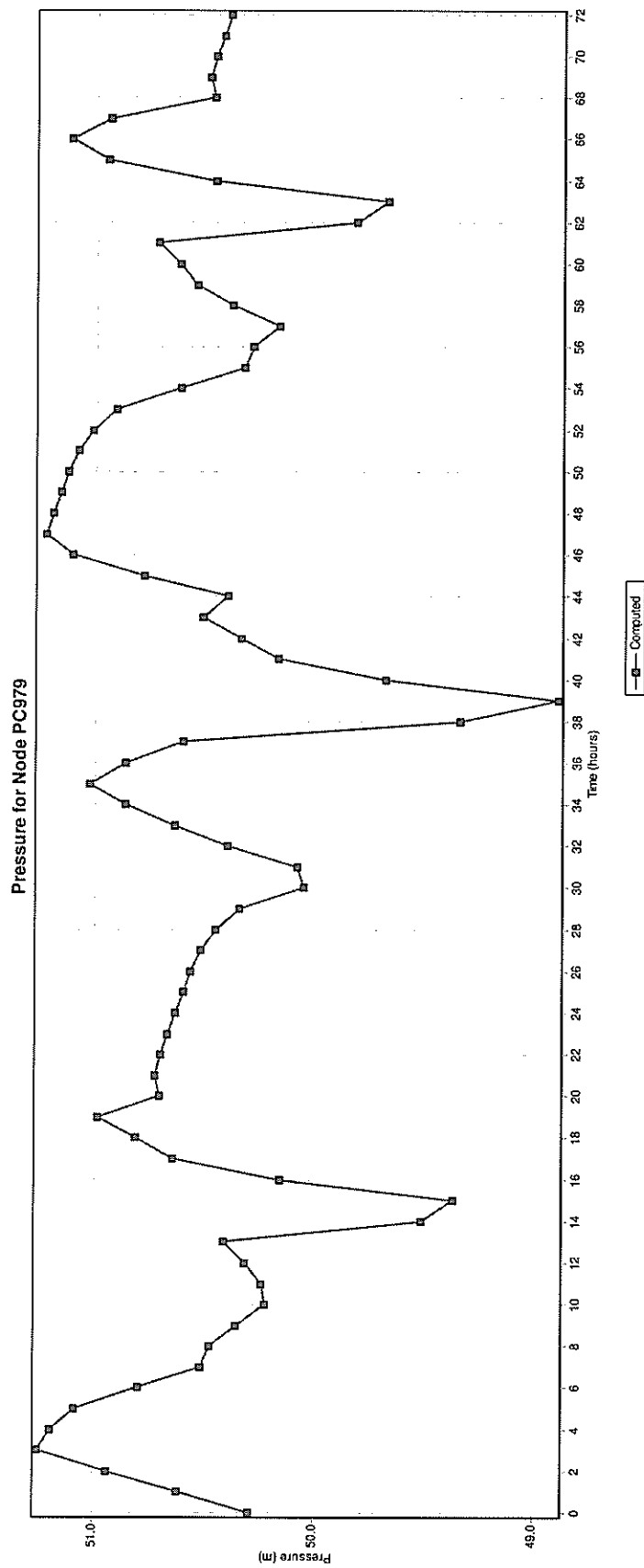
# Buduće stanje: dijagram tlakova na lokaciji Toplice Sv. Martin



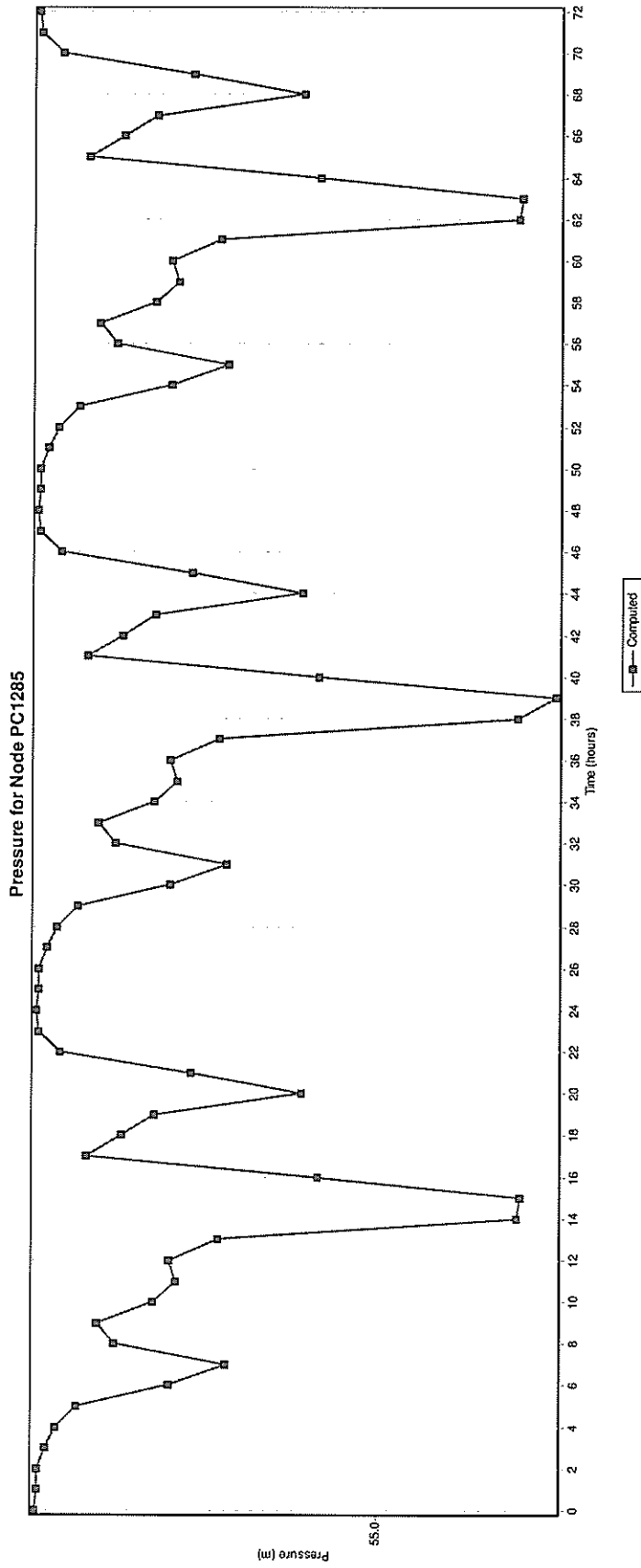
# Buduće stanje: dijagram tlakova na području Prekopa



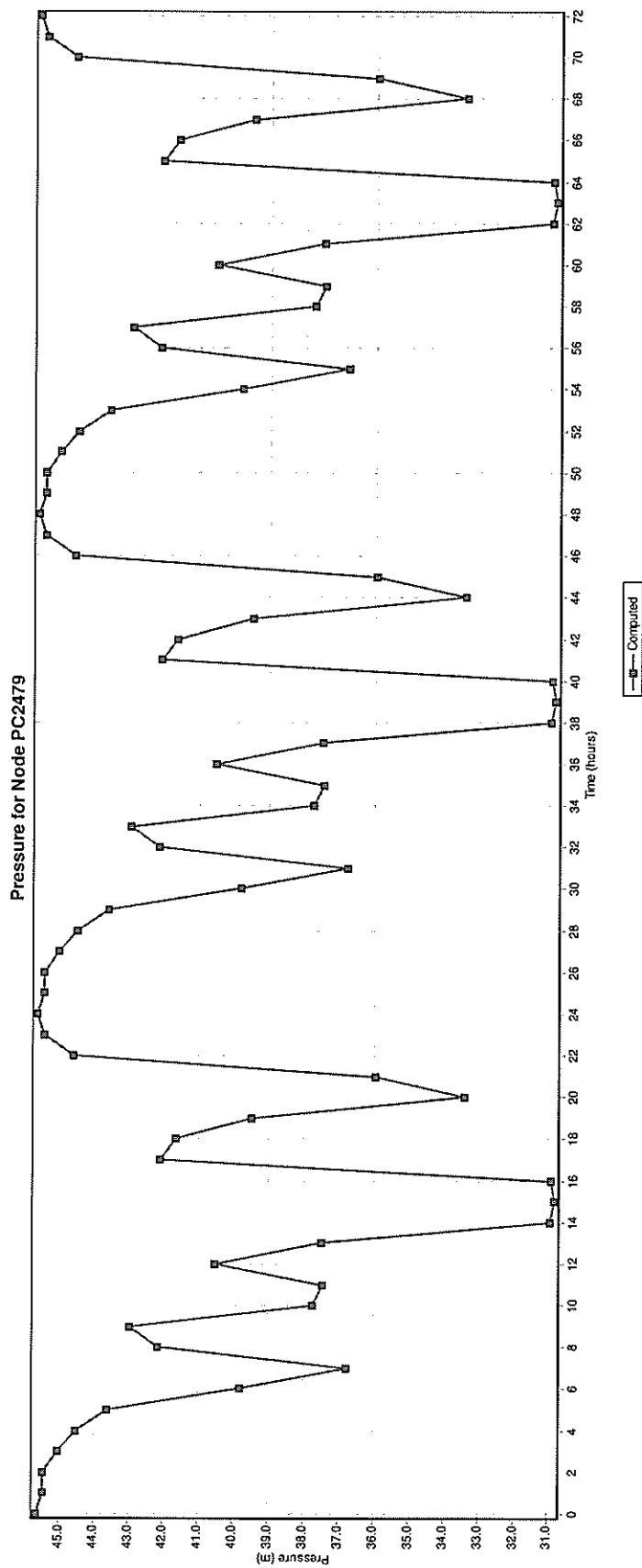
# Buduće stanje: dijagram tlakova na području G.Mihaljevec



# Buduće stanje: dijagram tlakova u naselju Šenkovec



# Buduće stanje: dijagram tlakova u naselju Mihovljan



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## 5.5. Analiza rezultata simulacija budućeg stanja

Analizom rezultata simulacija hidrauličkog matematičkog modela budućeg stanja utvrđeno je kako slijedi:

- dijagram proizvodnje i potrošnje sustava je logičan, te isti korespondira sa izračunom vodne bilance. Potrošnja sustava se kreće u rasponu od 69,57 do 943,15 l/s, a proizvodnja u rasponu od 80,37 do 513,68 l/s,
- pojavljuju se (posebno u noćnim satima) previsoki tlakovi na području naselja Čukovec, D.Mihaljevec, Sv.Marija, D.Vidovec, D.Dubrava i Kotoriba, te je iste potrebno regulirati (ovo se ostvaruje regulatorom tlaka PRV9\_rekonstrukc\_Vodoprojekt na magistralnom cjevovodu na lokaciji Draškovec-jug),
- sustav može zadovoljavajuće raditi i bez vodotornjeva Dekanovec i Kotoriba, te vodospremnika Železna Gora, ali bi, kako je naprijed već navedeno, to značilo smanjenje i ovako nedostatne zapremine rezervoarskog prostora u odnosu na srednju dnevnu potrošnju, pa je izgradnja ovih objekata u tom pogledu opravdana, obzirom da se na taj način podiže stupanj pouzdanosti vodoopskrbe,
- rezultati simulacija su ukazali na potrebu reguliranja pogonskih parametara dijela sustava Dekanovec-Novakovec-Podturen i Dekanovec-Domašinec, a što je ostvareno regulatorima tlaka PRV7\_rekonstrukc\_Vodoprojekt i PRV9\_izgradnja\_Vodoprojekt,
- u slučaju istovremenog puknuća magistralnog cjevovoda između naselja Peklenica i Mursko Središće, te iz smijera Krištanovec, područje Vratišinec – Brodec – Peklenica – G.Kraljevec – Sivica – Ferketinec – Miklavec – Križovec – Brezje ostaje bez vodoopskrbe, pa je sa ciljem osiguranja interventne vodoopskrbe ovog područja postavljen pričuvni regulator tlaka PRV5\_rekonstrukc\_Vodoprojekt,
- rezultati simulacija ukazuju da je u satima maksimalne potrošnje potrebno osigurati potporu vodoopskrbe naseljima Mursko Središće i Peklenica, a što je osigurano utjecajem kote potencijala VS-Zebanec,
- u slučaju istovremenog prekida dotoka iz vodospremnika Železna Gora i puknuća magistralnog cjevovoda Mursko Središće – Hlapičina, aktivira se pričuvni regulator tlaka PRV11\_rekonstrukc\_Vodoprojekt na magistralnom cjevovodu iz smijera Grkavešćak, te se na taj način ostvaruje interventna vodoopskrba naprijed navedenog područja,
- kako su rezultati simulacija ukazivali na činjenicu da se na stanovitom broju lokacija pojavljuju previsoki, a na nekim lokacijama nedostatni tlakovi (posebno pri simulaciji požarne potrošnje), na primjeru naselja Šenkovec, Mihovljan i Mačkovec, kao karakterističnome području na kojem se pojavljuju ovakve situacije, izvršena je mikrolokacijska regulacija na način da su postavljeni regulatori tlaka PRV2\_rekonstrukc\_Vodoprojekt, PRV3\_rekonstrukc\_Vodoprojekt, PRV4\_rekonstrukc\_Vodoprojekt, te

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PRV6\_rekonstrukc\_Vodoprojekt, a za potrebe vodoopkrbe i požarne potrošnje naselja Mačkovec postavljena je precrpnica Mačkovec,

- na osnovu analize rezultata simulacija utvrđeno je da regulator tlaka PRV9\_rekonstrukcija\_Vodoprojekt treba biti podešen na 40 m, a kako bi u slučaju potrebe mogao biti osiguran transfer interventnih količina iz VT-Bukovec (putem vodoopskrbne mreže područja Grkavešćak) ka dijelu sustava pod utjecajem VS-Železna\_Gora,
- obzirom da su rezultati simulacija ukazali na previsoke tlakove u smijeru Toplica Sv. Martin, a pod utjecajem kote potencijala vodospremnika Železna Gora, bilo je neophodno postaviti regulator tlaka PRV\_Zel\_Gora,
- postojeći cjevovodi Herjakovčina – Železna Gora – smijer Štrigova po svojim hidrauličkim parametrima zadovoljava potrebne pogonske uvjete (PVC DN 280 mm) i nema potrebe mijenjati ih, osim iz razloga starosti i učestalih havarija. Napominje se da nakon izgradnje novoplaniranog cjevovoda Herjakovčina – Železna Gora – Toplice Sveti Martin, dio postojećeg cjevovoda PVC DN 280 mm (jugoistočno od lokacije budućeg VS Železna Gora) može biti stavljen izvan funkcije,
- za potrebe Toplica Sveti Martin osigurana je količina u rasponu od 4 do 20 l/s, a u slučaju potrebe ova količina može narasti i do 40 l/s,
- rezultati simulacija ukazuju na to da je prvobitno predviđena zapremina VT-Bukovec od 200 m<sup>3</sup> nedostatna, te je ista povećana na 300 m<sup>3</sup>,
- na osnovu analize rezultata za područje Grkavešćak, utvrđeno je da je postojeći regulator tlaka neadekvatan, te da treba postaviti novi – PRV33\_rekonstrukc\_Vodoprojekt (DN 150 mm, podešava se na 60 m; dosadašnja vrijednost 37 m). U isto zasunsko okno treba postaviti i dodatni regulator tlaka za ogranak magistralnog cjevovoda (PRV10\_rekonstrukc\_Vodoprojekt),
- rezultati simulacija područja Brezje – Mali Mihaljevec ukazuju na to da bi cjevovod O282 Brezje – Mali Mihaljevec (cjevovod br. 15) prouzročio negativni međusobni utjecaj dvije različite tlačne zonepa istoga nije potrebno graditi (ovaj cjevovod može biti izgrađen samo ukoliko bi bio distributivnog tipa i ne bi imao funkciju povezivanja tlačnih zona),
- rezultati simulacija također potvrđuju i to da nema potrebe graditi ni južni magistralni cjevovod uz zaobilaznicu grada Čakovca, a koji se spominje u razvojnoj dokumentaciji, obzirom da njegovu funkciju preuzimaju cjevovodi br. 29 i 41,
- nakon što su rezultati simulacija pokazali da cjevovod Mala Subotica – Orehovica (objekt br. 23) nije potreban za funkcioniranje sustava, a obzirom na informaciju dobivenu od Naručitelja da će na ovome potezu biti izgrađen jedan gospodarski subjekt, izgradnja ovog cjevovoda predviđena je u trećoj fazi,
- tijekom izvođenja simulacija uočeno je da određeni broj cjevovoda ima nedostatne promjere (promjeri manji od 90 mm: npr. PL30, PL31, PL 39, ...) koji ne osiguravaju propisane pogonske uvjete u pogledu požarne potrošnje. Potrebno je izvršiti rekonstrukciju ovih cjevovoda, a što treba definirati Idejnim i Glavnim projektima rekonstrukcije,

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- na području Okrugli Vrh – Dragoslavec Selo – G.Mihaljevec – Gornja Dubrava – Preseka se ne ostvaruju potrebni pogonski parametri, te se ovo područje stavlja pod utjecaj kote potencijala VS-Dragoslavec, a u trećoj fazi rekonstrukcije i dogradnje sustava potrebno je izvršiti rekonstrukciju cjevovoda Gornja Dubrava – Preseka (PL152\_rekonstrukc\_Vodoprojekt),
- na osnovu analize brzina u sklopu analize rezultata simulacija, utvrđeno je da je optimalni promjer magistralnog cjevovoda Nedelišće – Savska Ves 500 mm,
- kako je to gore već navedeno, postojeći tlačni cjevovodi na vodocrpilištu zadovoljavaju u pogledu budućih pogonskih uvjeta, a kriterij njihove rekonstrukcije mogu biti starost ili eventualna učestalost lomova,
- utvrđeno je da je optimalni promjer za slučaj rekonstrukcije magistralnog cjevovoda u ul. M.Tita u Nedelišću DN 160 mm,
- optimalni promjer za slučaj rekonstrukcije magistralnog cjevovoda u ul. J.Slogara je DN 160 mm,
- optimalni promjer magistralnog cjevovoda Čakovec-jug (cjevovodi br. 29 i 41) je DN 225 mm (paralelno sa ovim magistralnim cjevovodom u isti kanal treba položiti i distributivni cjevovod). Izgradnjom ovog cjevovoda biti će osiguran tranzit južnom stranom, pa neće biti potrebe za izgradnjom južnog magistralnog cjevovoda uz zaobilaznicu grada Čakovca,
- rezultati simulacija pokazuju da bi minimalna zapremina VT-Čakovec2 mogla biti 3.000 m<sup>3</sup>, ali obzirom na nedostatnu pokrivenost dnevne potrebe rezervoarskim prostorom, predlaže se da ova zapremina bude 5.000 m<sup>3</sup>,
- analiza brzina ukazuje na to da je optimalni promjer magistralnog cjevovoda Prelog – Hodošan je DN 500 mm za dionicu VT-Prelog – Prelog, te DN 350 mm za I fazu dionice VT-Prelog – Hodošan,
- obzirom na pojavu previsokih tlakova, na stanovitom broju distributivnih cjevovoda sustava treba ugraditi regulatore tlaka,
- regulator tlaka PRV31 treba biti podešen na 20 m, PRV33\_rekonstrukc\_Vodoprojekt na 60 m, PRV10\_rekonstrukc\_Vodoprojekt na 25 m, a PRV36\_rekonstrukc\_Vodoprojekt na 35 m izlaznog tlaka,
- PRV1\_rekonstrukc\_Vodoprojekt je podešen na izlazni tlak od 25 m,
- promjer regulatora tlaka PRV35\_rekonstrukc\_Vodoprojekt treba biti DN 100 mm, a izlazni tlak 20 m,
- promjer regulatora tlaka PRV36\_rekonstrukc\_Vodoprojekt treba biti DN 100 mm, a izlazni tlak 35 m,
- promjer regulatora tlaka PRV1\_izgradnja\_Vodoprojekt treba biti DN 100 mm, a izlazni tlak 45 m,
- sekcijski zasun BL32\_izgradnja\_Vodoprojekt treba biti zatvoren,
- postojeća precrpnica Selnišćak u budućnosti neće biti potrebna za funkcioniranje sustava, te će ista moći biti iskorištena u sklopu jedne od mikrolokacija na kojoj to bude potrebno,
- sekcijski zakon BSZ1\_izgradnja\_Vodoprojekt treba biti zatvoren,
- optimalna zapremina VS-Dragoslavec je 200 m<sup>3</sup>,
- postojeći regulator tlaka na području Dragoslavec PRV10 treba ukloniti ili staviti izvan funkcije (aktivirati by-pass),

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- izlazni tlak regulatora tlaka PRV46\_preset\_Vodoprojekt treba podesiti na 35 m,
- kako je analiza rezultata pokazala da VT-Sveti\_Urban nije moguće puniti bez precrpnice, za potrebe pripunjavanja ovog vodotornja potrebno je izgraditi precrpnicu Železna Gora (P1-Zel\_Gora). Ova precrpnica ujedno ima ulogu osiguranja potrebnih pogonskih parametara u magistralnom cjevovodu do VT-Sveti\_Urban,
- postojeće precrpnice Robadje i Banfje će se, nakon izgradnje VT-Sveti\_Urban i magistralnog cjevovoda za područja Robadje i Banfi, moći staviti izvan uporabe, ili eventualno koristiti za potrebe neke od mikrolokacija,
- PRV\_Banfje\_izg\_Vodoprojekt treba biti zatvoren,
- optimalna zapremina VT-Sveti Urban je 300 m<sup>3</sup>,

#### NAPOMENA:

**U SKLOPU PREDMETNOG HIDRAULIČKOG MATEMATIČKOG MODELA NISU DETALJNO MODELIRANE SVE MIKROLOKACIJE, ALI SU U SKLOPU MODELIRANJA GLAVNIH OBJEKATA SUSTAVA (REKONSTRUKCIJA ILI IZGRADNJA MAGISTRALNIH CJEVOVODA, VODOSPREMNIKA I VODOTORNJEVA, GLAVNIH PRECRPNICA, GLAVNIH REGULATORA TLAKA I PROTICAJA, TE SEKCIJSKIH ZASUNA) STVORENI PREDUVJETI ZA DETALJNO MODELIRANJE SVIH MIKROLOKACIJA, TE OSTVARENJE PROPISANIH POGONSKIH PARAMETARA, UKLJUČIVO POŽARNU POTREBU, A ŠTO TREBA BITI IZVRŠENO U SKLOPU IDEJNIH I GLAVNIH PROJEKATA REKONSTRUKCIJE I IZGRADNJE. SVA BUDUĆA MODELIRANJA MIKROLOKACIJA TREBA VRŠITI U SKLOPU OVOG (CJELOVITOG) HIDRAULIČKOG MATEMATIČKOG MODELA.**

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**NARUČITELJ:** Hrvatske vode, Zagreb  
Ulica grada Vukovara 220  
10000 Z a g r e b

Redni broj:

## 6. SMJERNICE I ZAKLJUČCI

Krunoslav Čingel  
(M.P. Ovlaštenog inženjera)  
Ovlašteni inženjer građevinarstva  
VODOPROJEKT d.o.o.  
Sisak



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Kako je to naprijed već obrazloženo, u sklopu ovog Elaborata izrađeni su hidraulički matematički modeli za postojeće stanje predmetnog vodoopskrbnog sustava, te za buduće stanje 2030. godine.

U pogledu koncepcije, može se konstatirati da je prema ovom Elaboratu prvenstveno uvaženo postojeće stanje, te zadržane osnove koncepcije koja je definirana planom razvoja, kao i da su izvršene stanovite modifikacije (optimalizacije) na nekim dijelovima predmetnog vodoopskrbnog sustava.

Obzirom na planirani rast potrošnje u planskom razdoblju do 2030. godine, a imajući u vidu da je ukupni kapacitet vodocrpilišta 722 l/s, u budućnosti se ne bi trebao pojaviti vodni deficit.

Kako je Naručitelj raspolagao sa relativno kvalitetnim ulaznim podacima, nakon što je izrađen hidraulički matematički model postojećeg stanja, izvršena je i njegova kalibracija, te je utvrđeno da isti u cijelosti odgovara postojećem stanju, a što je od izuzetne važnosti za implementaciju i svrsishodno korištenje u svakodnevnom radu.

Trenutačni nivo neprodane vode od 32% do 2020. godine je potrebno svesti na ciljanu veličinu od 20%, a što je uvaženo u sklopu izračuna vodne bilance.

U sklopu hidrauličkog matematičkog modela budućeg stanja definirani su prijedlozi rekonstrukcija postojećeg stanja, kao i izgradnje novih objekata.

Ovdje se napominje da je kriterij definiranja rekonstrukcija postojećeg stanja i izgradnje novih objekata bio osiguranje pogonskih preduvjeta za kvalitetnu i pouzdanu vodoopskrbu na svim dijelovima sustava. Ovi pogonski preduvjeti će ujedno biti ulazni podaci (rubni uvjeti) za izradu Idejnih i Glavnih projekata kojima će biti definirana pojedinačna tehnička rješenja mikrolokacija.

Slijedom naprijed navedenog, naglašava se da su zbog činjenice što kriterij rekonstrukcija prema ovome Elaboratu nije npr. bio: «zamjena svih azbestcementnih cjevovoda» (ili «zamjena svih cjevovoda čiji je nazivni promjer manji od DN 90 mm»), u sklopu hidrauličkog matematičkog modela budućeg stanja ostali neki azbestcementni cjevovodi (kao i cjevovodi čiji je nazivni promjer manji od DN 90 mm). Za rekonstrukciju (zamjenu) su predloženi samo oni cjevovodi koji su predstavljali smetnju da se osiguraju potrebni pogonski preduvjeti, kako dijelova tako i cjelovitog sustava, a sa ciljem omogućenja rješavanja mikrolokacija u sklopu Idejnih i Glavnih projekata.

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Isti pristup je primijenjen i kod definiranja precrpnica i mjerno-regulacione opreme. Dakle u sklopu Idejnih i Glavnih projekata mikrolokacija pojavit će se stanoviti broj precrpnica, mjernoregulacione opreme, pa distributivnih cjevovoda, a koji ovdje nisu definirani. Riječ je o objektima koji su važni na razini mikrolokacija, a ne sustava, te se isti ne definiraju ovim Elaboratom.

Nakon implementacije, hidraulički matematički model postojećeg stanja će biti stavljen u svakodnevnu uporabu.

Kako bi korištenje modela tijekom eksploatacije vodoopskrbnog sustava bilo što kvalitetnije, potrebno je vršiti kontinuirani unos podataka sa terena (rekonstrukcije, mjerenja, novoizgrađeni cjevovodi ili objekti,...), a na koji način će se vršiti stalna kalibracija.

Tijekom pripreme zahvata na sustavu (sanacije, dogradnje, rekonstrukcije, preusmjerenja toka vode, ...), obvezno se vrši prethodna simulacija predmetnog zahvata, a sa ciljem što kvalitetnije tehničke pripreme i izvođenja istih.

Korištenje hidrauličkog matematičkog modela je od presudne važnosti za realizaciju programa sanacije gubitaka, gdje se na osnovu rezultata simulacija dolazi do vrlo vrijednih podataka koji predstavljaju kvalitetnu osnovu za donošenje odluka o postupcima.

Nakon izgradnje nadzorno-upravljačkog sustava, isti se sa hidrauličkim matematičkim modelom objedinjava u jedinstvenu tehničko-tehnološku cjelinu, a što predstavlja najkvalitetniju osnovu za efikasno, tehnički korektno i učinkovito gospodarenje vodoopskrbnim sustavom.

Na kraju, može se zaključiti kako slijedi:

- hidraulički matematički model postojećeg stanja pruža realnu sliku stanja na terenu,
- glavni magistralni cjevovodi, vodotornjevi, vodospremници i precrpnice u sklopu hidrauličkog matematičkog modela budućeg stanja modelirani su na način da su na svim dijelovima predmetnog vodoopskrbnog sustava osigurani preduvjeti za kvalitetnu i pouzdanu vodoopskrbu pri maksimalnom opterećenju sustava u 2030. godini, uključivo požarnu potrošnju,
- kako je u sklopu prve faze razvoja sustava obuhvaćen i niz zahvata na optimalizaciji postojećeg stanja, pored modela postojećeg i budućeg stanja izrađen je i model prve faze,
- model postojećeg stanja je potrebno koristiti u svakodnevnome radu pri eksploataciji i održavanju sustava,
- model postojećeg stanja je potrebno kontinuirano kalibrirati (unos podataka sa terena i usporedba sa rezultatima simulacija), te dorađivati, a sa ciljem ostvarenja što je moguće preciznijih rezultata kalibracije,

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- modeli postojećeg i budućeg stanja trebaju biti osnova komunikacije stručnog kadra korisnika (razvoj – izgradnja – održavanje), a sa ciljem podizanja kvalitete komunikacija i učinkovitosti na višu razinu,
- modeli postojećeg i budućeg stanja trebaju biti osnova za sva projektiranja rekonstrukcije i izgradnje sustava,
- hidraulički matematički model postojećeg stanja treba kontinuirano inovirati unosom svih promjena na terenu,
- za potrebe razvoja nadzorno-upravljačkog sustava treba koristiti hidraulički matematički model, obzirom da isti sadrži glavne elemente NUS-a, a funkcije istoga je moguće simulirati.

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Redni broj:

## 7. PRILOZI

- 7.1. Pregledna situacija vodoopskrbnog sustava Međimurske županije M 1:50000
- 7.2. Situacija budućeg stanja vodoopskrbnog sustava Međimurske županije M 1:25000
- 7.3. Hidrauličke sheme postojećeg i budućeg stanja vodoopskrbnog sustava Međimurske županije
- 7.4. Hidraulički matematički modeli postojećeg i budućeg stanja (CD)

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