

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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#### 4.1. NASLOVNA STRANA

#### 4 – PROJEKAT ELEKTROENERGETSKIH INSTALACIJA

Investitor:

KATADUZO d.o.o.  
Majora Aleksandra Mišića br. 2/1  
11010 VOŽDOVAC - BEOGRAD  
Matični broj: 06206123



Objekat:

Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ – TS 35/10kV „VINČA“  
k.p. 175/1, 1948/1, 1947/1, 1945/2, 1760/4, 1760/2, 1763/2, 1204, 1781, 1780 K.O. Boleč, opština Grocka

Vrsta tehničke dokumentacije:

Idejno rešenje (IDR)

Za građenje / izvođenje radova:

Nova gradnja



Projektant:

KRALJA MILUTINA 53, 11000 BEOGRAD  
MATIČNI BROJ: 64928821  
elindpro@gmail.com

Odgovorno lice projektanta:

Milan Obradović, dipl.inž.el.  
Potpis:



Odgovorni projektant:

Broj licence:

Milan Obradović, dipl.inž.el.  
Licenca IKS broj 350 E912 07  
Potpis:



Broj dela projekta:

Mesto i datum:

ELT\_20/25  
Beograd, IV 2025.

	<p style="text-align: center;"><b>ELINDPRO  TECHNICAL</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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## 4.2. SADRŽAJ PROJEKTA

4.1. Naslovna strana

4.2. Sadržaj projekta

4.3. Rešenje o imenovanju odgovornog projektanta

4.4. Izjava odgovornog projektanta

4.5. Tekstualna dokumentacija

4.5.1. Tehnički opis

4.6. Numerička dokumentacija

4.6.1. Procena investicione vrednosti

4.7. Grafička dokumentacija

4.7.1. Pregledna situacija

4.7.2. Situacioni plan

4.7.3. Karakteristični profili državnog puta

4.7.4. Detalji polaganja kablovskih vodova

	<b>ELINDPRO  TECHNIC</b> <small>KRALJA MILUTINA 53, 11000 BEOGRAD  MATIČNI BROJ: 64928821  elindpro@gmail.com</small>	Broj: <b>ELT_20/25</b> Datum: <b>IV 2025.</b>
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#### 4.3. REŠENJE O IMENOVANJU ODGOVORNOG PROJEKTANTA

Na osnovu člana 128 Zakona o planiranju i izgradnji ("Službeni glasnik RS", br. 72/2009, 81/2009 - ispr., 64/2010 - odluka US, 24/2011, 121/2012, 42/2013 - odluka US, 50/2013 - odluka US, 98/2013 - odluka US, 132/2014, 145/2014, 83/2018, 31/2019, 37/2019 - dr. zakon, 9/2020, 52/2021 i 62/2023) i odredbi Pravilnika o sadržini, načinu i postupku izrade i način vršenja kontrole tehničke dokumentacije prema klasi i nameni objekata ("Službeni glasnik RS" br. 96/2023) kao:

#### ODGOVORNI PROJEKTANT

za izradu **4 – PROJEKTA ELEKTROENERGETSKIH INSTALACIJA** koji je deo **IDEJNOG REŠENJA (IDR)** za novu gradnju objekta:

**Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ – TS 35/10kV „VINČA“**

**k.p. 175/1, 1948/1, 1947/, 1945/2, 1760/4, 1760/2, 1763/2, 1204, 1781, 1780 K.O. Boleč, opština Grocka**

Određuje se:

**Milan Obradović, dipl.inž.el.**  
**Licenca IKS broj 350 E912 07**

**ELINDPRO  TECHNIC**

Projektant:

**KRALJA MILUTINA 53, 11000 BEOGRAD  
MATIČNI BROJ: 64928821  
elindpro@gmail.com**

Odgovorno lice projektanta:

**Milan Obradović, dipl.inž.el.**

Potpis:




Broj dela projekta:

**ELT\_20/25**

Mesto i datum:

**Beograd, IV 2025.**

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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#### 4.4. IZJAVA ODGOVORNOG PROJEKTANTA

Odgovorni projektant **4 – PROJEKTA ELEKTROENERGETSKIH INSTALACIJA** koji je deo **IDEJNOG REŠENJA (IDR)** za novu gradnju objekta:

**Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ – TS 35/10kV „VINČA“**  
k.p. 175/1, 1948/1, 1947/, 1945/2, 1760/4, 1760/2, 1763/2, 1204, 1781, 1780 K.O. Boleč, opština Grocka

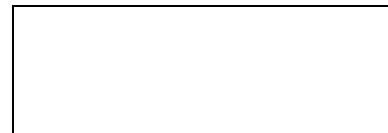
**Milan Obradović, dipl.inž.el.**  
**Licenca IKS broj 350 E912 07**

#### I Z J A V L J U J E M

1. da je projekat izrađen u skladu sa Zakonom o planiranju i izgradnji, propisima, standardima i normativima iz oblasti izgradnje objekata i pravilima struke

**Odgovorni projektant:**  
**Broj licence:**

**Milan Obradović, dipl.inž.el.**  
**Licenca IKS broj 350 E912 07**  
**Potpis:**

**Broj dela projekta:**  
**Mesto i datum:**

**ELT\_20/25**  
**Beograd, IV 2025.**

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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#### 4.5. TEKSTUALNA DOKUMENTACIJA

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	Broj: <b>ELT_20/25</b>  Datum: <b>IV 2025.</b>
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#### 4.5.1. TEHNIČKI OPIS

##### OPŠTI DEO

##### Predmet projekta i obrazloženje gradnje

Prema zahtevima Investitora i datim tehničkim uslovima od strane ODS Elektrodistribucije Srbije d.o.o. Beograd, projektom se predviđa kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV broj 319, veza TS 35/10kV „GROCKA“ – TS 35/10kV „VINČA“.

##### Nivo obrade

Idejno rešenje.

##### Mesto izgradnje

k.p. 175/1, 1948/1, 1947/, 1945/2, 1760/4, 1760/2, 1763/2, 1204, 1781, 1780 K.O. Boleč, opština Grocka

##### Vreme i etapnost izgradnje

Radovi predviđeni ovim projektom biće izvedeni u toku 2025. godine.

##### Novoprojektovano stanje

Novoprojektovana trasa od postojeće TS 35/10kV »BOLEČ« ide pristupnim stazama od lokacije same transformatorske stanice do državnog puta IIB reda broj 153 Leštane - Grocka - Petrijevo - Ralja - veza sa državnim putem A1. Na stacionaži puta km3+500.76 trasa se ukršta sa državnim putem i na tom mestu je predviđena izrada zaštitne kablovske kanalizacije podbušivanjem, sa rezervnom cevi.

Dalje trasa voda nastavlja paralelno državnom putu u smeru rasta stacionaže, sve do stacionaže državnog puta km3+706.10, odakle trasa ide dalje kroz parcele i nekategorisani put do lokacije postojećeg stuba na kojem će se izvršiti priključenje – veza sa postojećim nadzemnim vodom 35kV.

Postojeći stub se dodatno oprema rastavljačima i konzolama za nošenje kablovskih završnica, kao i konzolama za nošenje odvodnika prenapona i odvodnicima prenapona.

##### Tehnički podaci

Naznačeni napon:	35kV
Tip i presek provodnika:	3 x XHE 49-A (1x185/25 mm <sup>2</sup> ), 20/35kV
Dužina trase:	oko 980m rov za jedan kablovski vod

	 <b>KRALJA MILUTINA 53, 11000 BEOGRAD</b> <b>MATIČNI BROJ: 64928821</b> <b>elindpro@gmail.com</b>	Broj: <b>ELT_20/25</b> Datum: <b>IV 2025.</b>
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Dužina jednožilnog kabla: oko 3.090m, sa rezervom od 5%  
 Podnosivi udarni napon kabla i kablovskog pribora: 170kV

Električni izolacioni nivo kabla i kablovskog pribora: Si 38kV

## Polaganje kablova

Kablovski vodovi se polažu u jednom rovu dubine 1,1m, širine 50cm na dnu i 70cm na površini kada je u pitanju jedan kabl.

Kablovi se u rovu polažu u sloju posteljice debljine 20 cm. Za posteljicu kabla primenjuje se posebna mešavina f.g.a 0-4 mm peska i šljunka. Iznad kabla se postavlja mehanička zaštita (na prelazima puta), a iznad nje upozoravajuća PVC traka.

Na prelazima ispod kolovoza (ulica) polaganje kablova izvesti raskopavanjem na 1/2 profila na dubini 1,4m sa betonskim pločama kao mehaničkom zaštitom, postavljenim iznad posteljice kabla.

Polaganje kablova u rovu treba izvršiti vijugavo. Pri savijanju kabla mora se voditi računa o dozvoljenom poluprečniku savijanja koji ne sme biti manji od 15 D (D-prečnik kabla). Pri polaganju kablova u kanale ili po zidovima, a ako pri tom nije obezbeđeno kontinualno naleganje na podlogu, razmaci i konstrukcije oslonaca moraju biti podešeni tako da poluprečnici krivina kabla na mestima oslanjanja ne budu manji od vrednosti 15 D.

Zatrpavanje kablovskog rova izvršiti zemljom iz iskopa u slojevima od po 30cm sa nabijanjem svakog sloja posebno.

Za pričvršćenje kablovskih završnica predvideti odgovarajuće obujmice i sve radove izvesti prema tehničkim uslovima i uputstvu proizvođača.

Nastavljanje kablova izvršiti spojnica prema uputstvu proizvođača i tehničkim uslovima datim u projektu. Uslovi nastavljanja su da se izvrši preklapanje kablova i potrebno proširenje rova na jednu stranu u zavisnosti od situacije na terenu. Od dužine raspoloživih kablova može se pojaviti potreba za nastavljanjem samo jednog ili više kablova na istom mestu. Radi pravilnog nastavljanja ovog tipa kabla potrebno je obezbediti radno mesto podizanjem šatora, improvizovanjem poda od dasaka i pripremiti materijal i alat za nastavljanje kablova, a sve u skladu sa propisima i uputstvima za montažu isporučioća opreme. Sav materijal i alati moraju imati odgovarajuće ateste.

U kablovskom rovu će biti položene dve PE cevi preseka 40mm za potrebe polaganja optičkih vodova (jedna cev je rezervna). Optički kablovi nisu deo ovog projekta. Polaganje optičkih vodova je potrebno obezbediti zbog telekomunikacionog povezivanja transformatorskih stanica kako bi se omogućio prenos signala za potrebe funkcionisanja daljinske komande i nadzora nad transformatorskim stanicama.

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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## **Ukrštanja, paralelna vođenja i približavanja kablovskih vodova drugim objektima i instalacijama**

Za sva ukrštanja i približavanja sa drugim podzemnim instalacijama predviđeni su sigurnosni razmaci i mere predviđene SRPS propisima i tehničkim preporukama JP EPS - Direkcije za distribuciju električne energije i Internim standardima ODS EPS Distribucija.

**Odgovorni projektant:**



**Milan Obradović, dipl.inž.el.**  
**Licenca IKS broj 350 E912 07**



	<b>ELINDPRO  TECHNIC</b> KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com	Broj: <b>ELT_20/25</b>
		Datum: <b>IV 2025.</b>

#### 4.6. NUMERIČKA DOKUMENTACIJA

	<b>ELINDPRO  TECHNIC</b> KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com	Broj: <b>ELT_20/25</b>
		Datum: <b>IV 2025.</b>

#### 4.6.1. PROCENA INVESTICIONE VREDNOSTI

		<i>Cena bez PDV (RSD)</i>
1.	PODZEMNI VOD 35kV	20.000.000,00
	<b>UKUPNO:</b>	<b>20.000.000,00</b>

Odgovorni projektant:



**Milan Obradović, dipl.inž.el.**  
**Licenca IKS broj 350 E912 07**

	<p style="text-align: center;"><b>ELINDPRO  TECHNIC</b></p> <p style="text-align: center;">KRALJA MILUTINA 53, 11000 BEOGRAD MATIČNI BROJ: 64928821 elindpro@gmail.com</p>	<p>Broj: <b>ELT_20/25</b></p> <p>Datum: <b>IV 2025.</b></p>
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#### 4.7. GRAFIČKA DOKUMENTACIJA

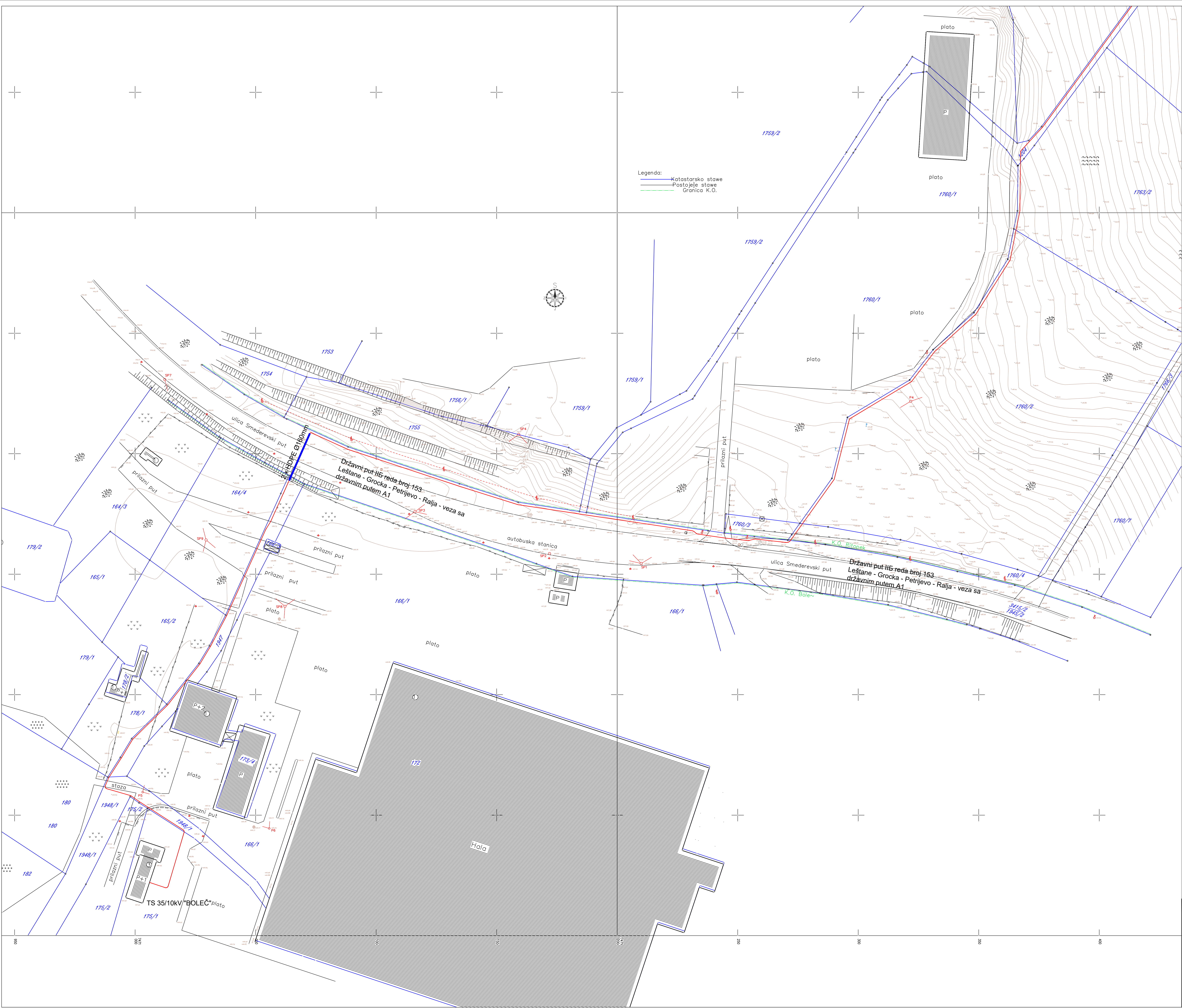




**153** Državni put II/5 reda broj 153  
Leštane - Grocka - Petrijevo - Rajla - veza sa državnim  
putem A1

PROJEKTANT: <b>ELINDPRO</b>  <b>TECHNIC</b> KRALJA MILUTINA 53 - 11000 BEOGRAD BILTOM BROJ: 6403801 elindpro@gmail.com		INVESTITOR: KATADUZO d.o.o. Majara Aleksandra Mitića br. 2/1 11010 VOŽDOVAC - BEOGRAD Matični broj: 06206123 	
PROJEKAT: <b>IDEJNO REŠENJE (IDR)</b>		OBJEKAT: Kabliranje planiranog nadzemnog voda 35kV od postojećeg TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 38kV veza TS 35/10kV „GROCKA“ - TS 35/10kV „VINČA“ k.p. 1761, 18481, 1847, 18482, 17604, 17602, 17632, 1204, 1791, 1788 K.O. Boleč, opština Grocka	
DEO PROJEKTA: <b>4 - PROJEKAT ELEKTROENERGETSKIH INSTALACIJA</b>		DODGOVORNI PROJEKTANT: Milan Obradović, inženjer Licenca JKS broj 380.E312.07 NAZIV CRTEŽA: <b>Pregledna situacija</b>	
DATUM: <b>IV 2025.</b>		BROJ PROJEKTA: <b>ELT 20/25</b>	
RAZMERA: <b>1:1000</b>		BROJ LISTA: <b>1</b> OD <b>1</b>	
		BROJ CRTEŽA: <b>4.7.1.</b>	





Legenda:  
Katastarske stave  
Postojeće stave  
Granica K.O.

LEGENDA:

Novoprojektovano:

- Podzemni vod 35kV, 3 x (XHE 49-A 1x185/25mm<sup>2</sup>, 20/35kV)
- Zaštitna kablovska kanalizacija izvedena utiskivanjem cevi / podbušivanjem, 2 x HDPE Ø160mm

NAPOMENA: U rov za energetske kablove polažu se dve PE cevi Ø40mm za potrebe polaganja optičkih vodova (jedna cev je rezerva) - za telekomunikaciono povezivanje transformatorskih stanica i nisu predmet ovog projekta

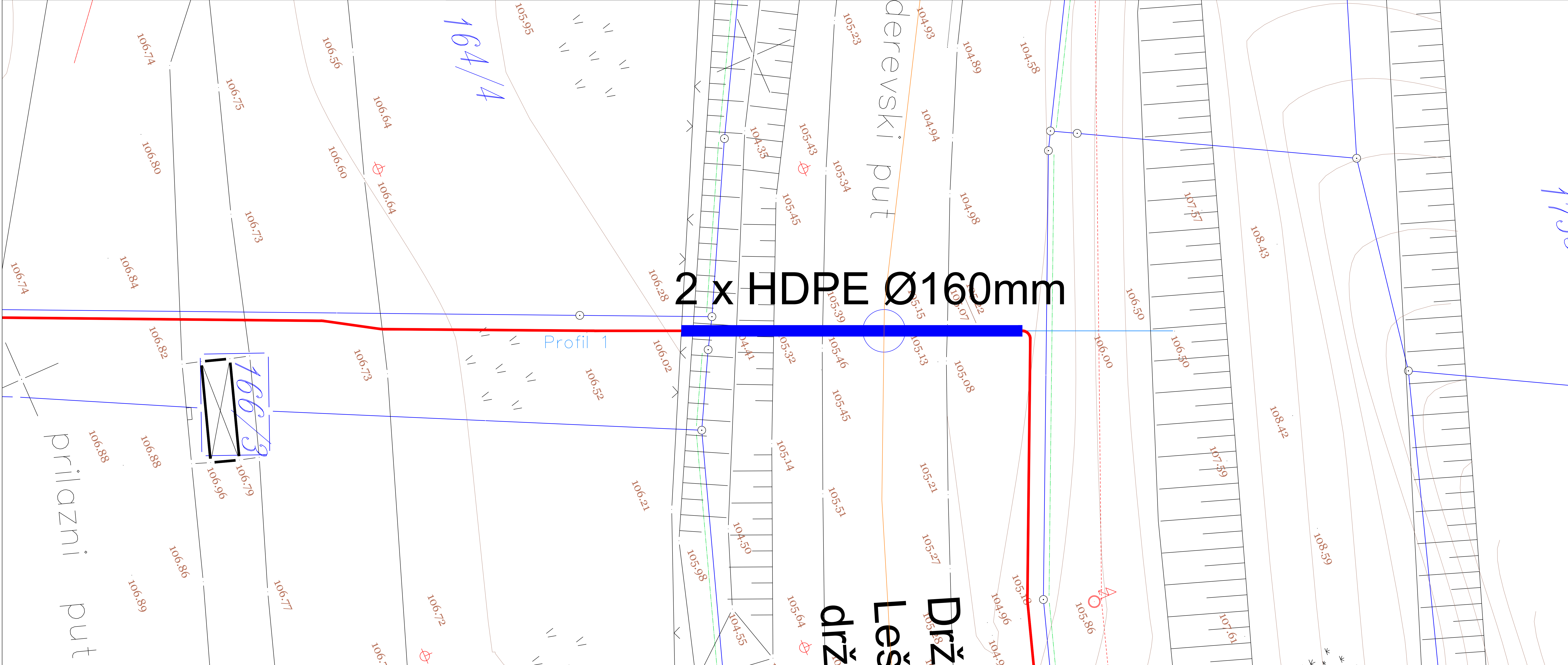
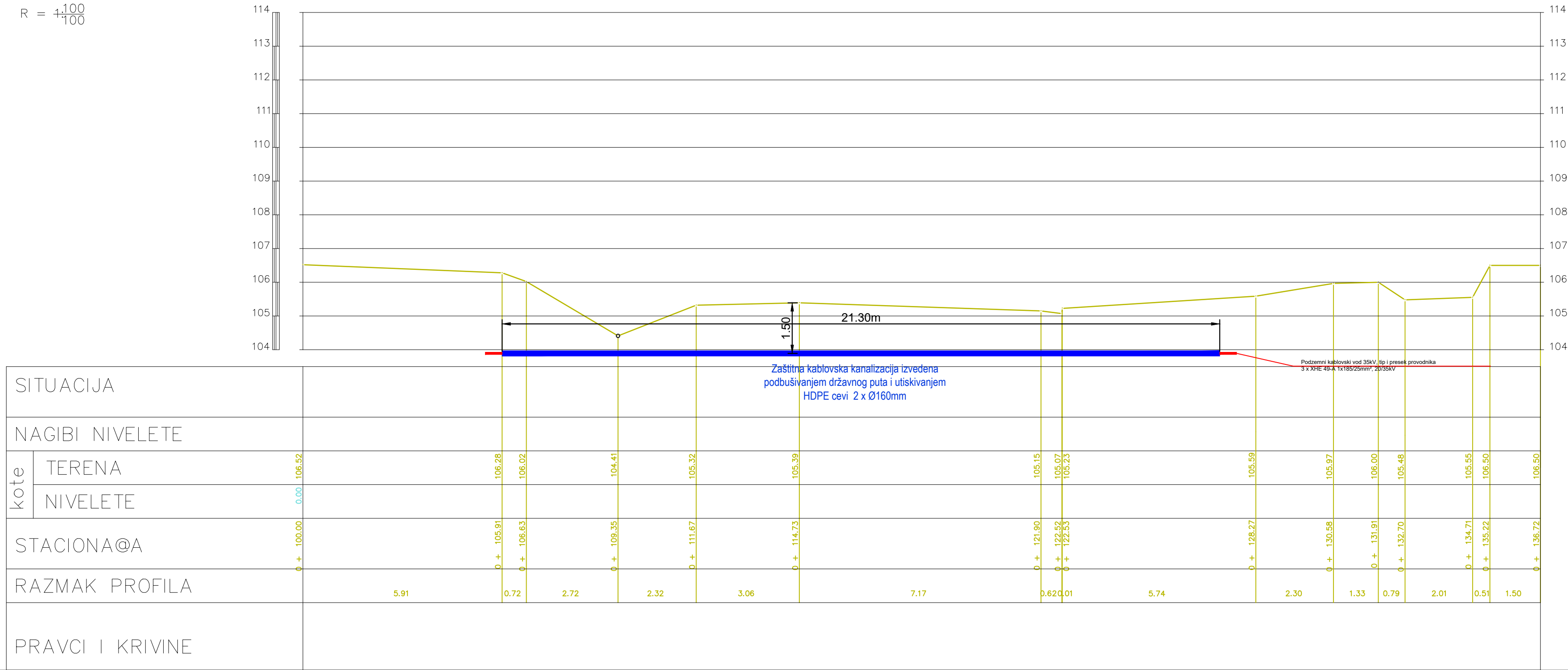
PROJEKANT: <b>ELINDPRO TECHNIC</b> KRALJA MILUTINA 53, 11000 BEOGRAD BILTOM BROJ: 64038021 elindpro@gmail.com		INVESTITOR: <b>KATADUZO d.o.o.</b> Majara Aleksandra Mišića br. 2/1 11010 VOŽDOVAC - BEOGRAD Matični broj: 06206123 <b>KATADUZO</b>	
PROJEKT: <b>IDEJNO REŠENJE (IDR)</b>		OBJEKAT: Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ - TS 35/10kV „VINČA“ k.p. 175/1, 175/2, 175/3, 175/4, 175/5, 175/6, 175/7, 175/8, 175/9, 175/10, 175/11, 175/12, 175/13, 175/14, 175/15, 175/16, 175/17, 175/18, 175/19, 175/20, 175/21, 175/22, 175/23, 175/24, 175/25, 175/26, 175/27, 175/28, 175/29, 175/30, 175/31, 175/32, 175/33, 175/34, 175/35, 175/36, 175/37, 175/38, 175/39, 175/40, 175/41, 175/42, 175/43, 175/44, 175/45, 175/46, 175/47, 175/48, 175/49, 175/50, 175/51, 175/52, 175/53, 175/54, 175/55, 175/56, 175/57, 175/58, 175/59, 175/60, 175/61, 175/62, 175/63, 175/64, 175/65, 175/66, 175/67, 175/68, 175/69, 175/70, 175/71, 175/72, 175/73, 175/74, 175/75, 175/76, 175/77, 175/78, 175/79, 175/80, 175/81, 175/82, 175/83, 175/84, 175/85, 175/86, 175/87, 175/88, 175/89, 175/90, 175/91, 175/92, 175/93, 175/94, 175/95, 175/96, 175/97, 175/98, 175/99, 175/100, 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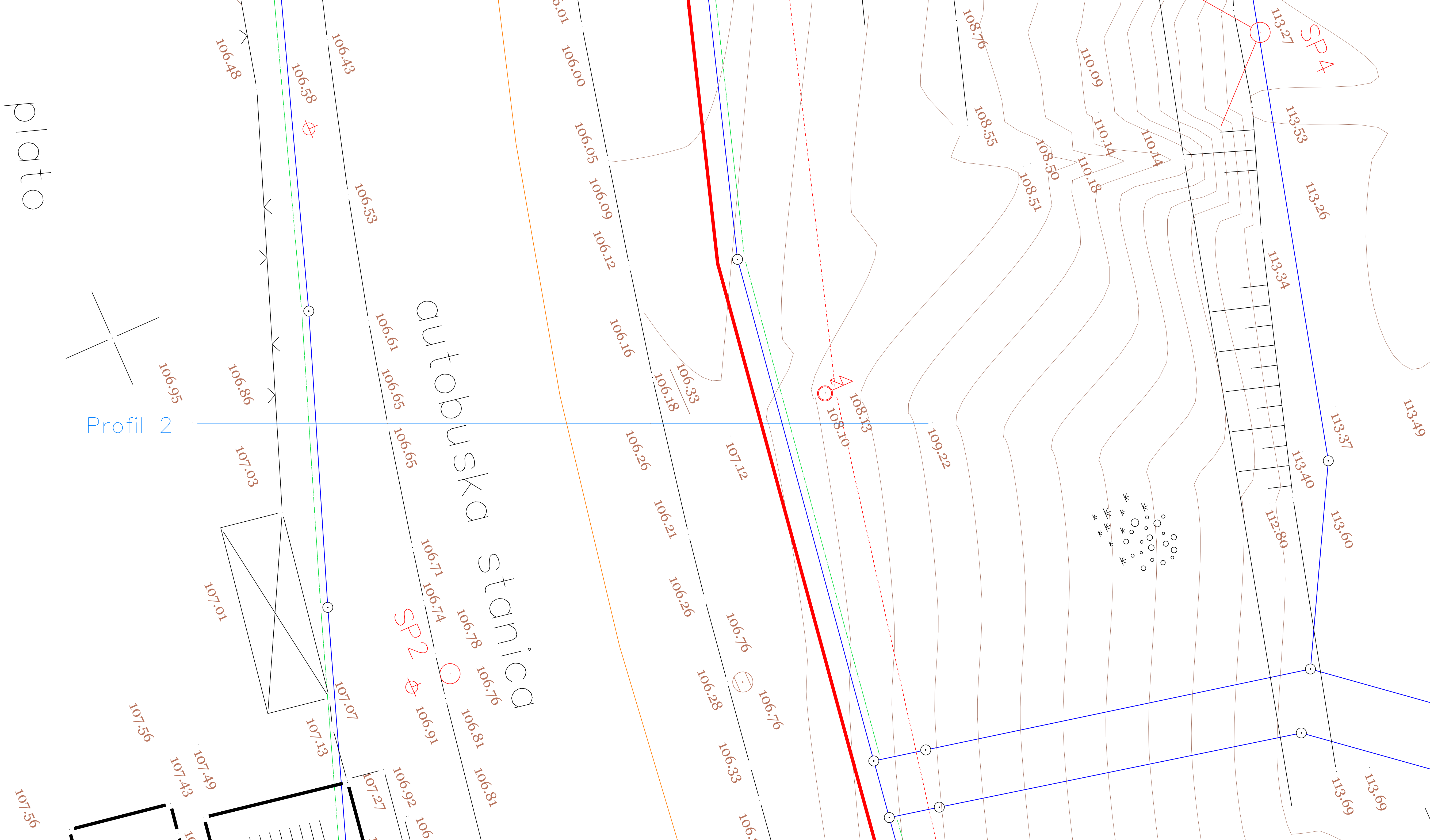
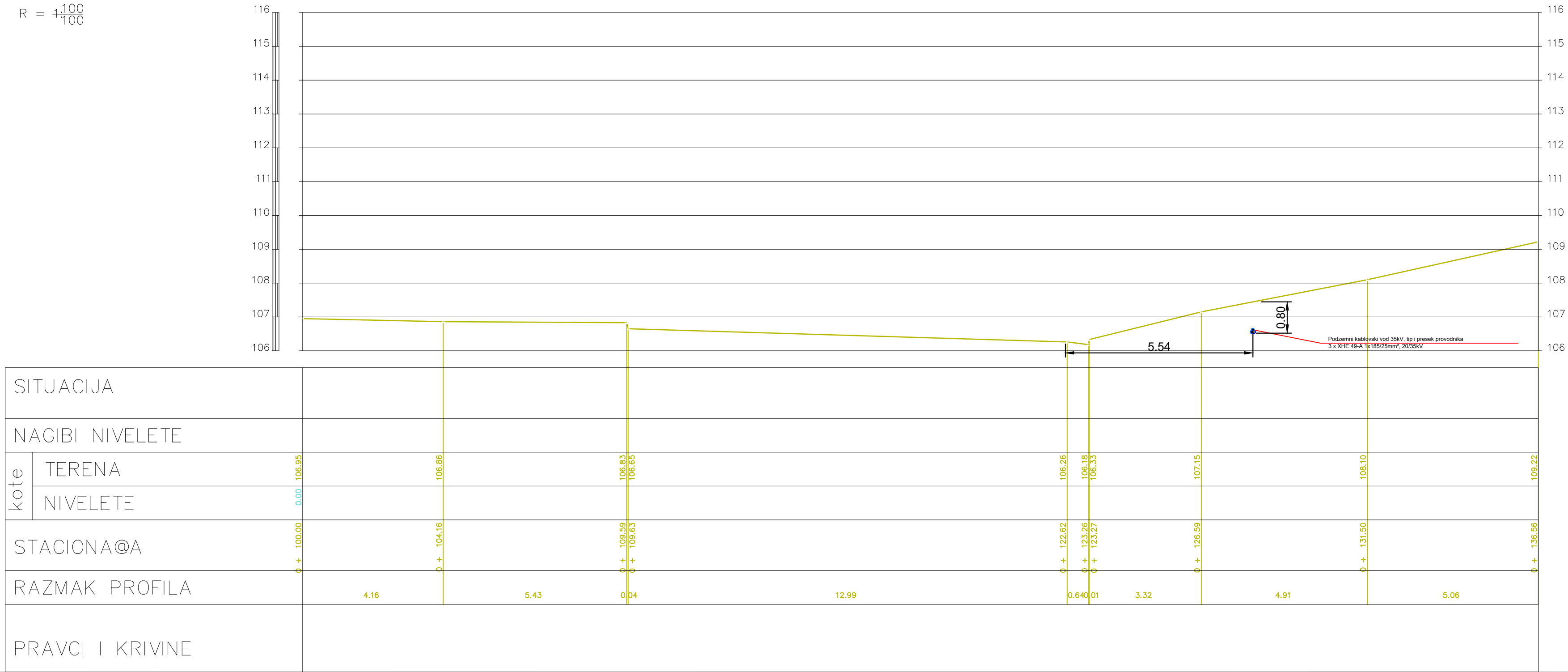


Državni put IIb reda broj 135  
Leštane - Grocka - Petrijevo - Rajla - veza sa državnim putem A1  
Oznaka deonice: 15301  
Kategorija puta: IIb  
Oznaka puta: 153  
Oznaka početnog čvora: 15301  
Naziv početnog čvora: Leštane  
Oznaka završnog čvora: 15302  
Naziv završnog čvora: Bečarevo brdo  
Dužina deonice: 8.447km  
Početna stacionaža (km): 0,00  
Završna stacionaža (km): 8.447,00  
Profil 1 - km3+500.76





Državni put II/5 reda broj 135  
Leštane - Grocka - Petrijevo - Ralja - veza sa državnim putem A1  
Oznaka deonice: 15301  
Kategorija puta: II/5  
Oznaka puta: 153  
Oznaka početnog čvora: 15301  
Naziv početnog čvora: Leštane  
Oznaka završnog čvora: 15302  
Naziv završnog čvora: Bečarevo brdo  
Dužina deonice: 8.447km  
Početna stacionaža (km): 0,00  
Završna stacionaža (km): 8.447,00  
Profil 2 - km3+600.00



PROJEKTANT: <b>ELINDPRO TECHNIC</b> KRALJA MILUTINA 53 - 11000 BEOGRAD BILTOM BROJ: 6403821 elindpro@gmail.com		INVESTITOR: KATADUZO d.o.o. Majara Aleksandra Milića br. 2/1 11010 VOŽDOVAC - BEOGRAD Matični broj: 06206123 <b>KATADUZO</b>	
PROJEKT: <b>IDEJNO REŠENJE (IDR)</b>		OBJEKT: Kabliranje planiranog nadzemnog voda 35kV od postroja TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ - TS 35/10kV „VINČA“ k.p. 1761, 18481, 18471, 18482, 17604, 17602, 17632, 1204, 1781, 1780 K.O. Boleč, opština Grocka	
ODGOVORNI PROJEKTANT: Milor Otavović, dipl.ing. el. Licenca JKS broj 320.E912.07		DATUM: <b>IV 2025.</b>	
NAZIV CRTEŽA: <b>Karakteristični profili državnog puta</b>		BROJ CRTEŽA: <b>ELT 20/25</b>	
RAZMERA: <b>1:100</b>		BROJ LISTA: <b>2</b> OD <b>3</b>	
		BROJ CRTEŽA: <b>4.7.3.</b>	



Državni put IIb reda broj 135  
Leštane - Grocka - Petrijevo - Ralja - veza sa državnim putem A1  
Oznaka deonice: 15301  
Kategorija puta: IIb  
Oznaka puta: 153  
Oznaka početnog čvora: 15301  
Naziv početnog čvora: Leštane  
Oznaka završnog čvora: 15302  
Naziv završnog čvora: Bečarevo brdo  
Dužina deonice: 8.447km  
Početna stacionaža (km): 0,00  
Završna stacionaža (km): 8.447,00  
Profil 3 - km3+706.10

R =  $\frac{100}{100}$

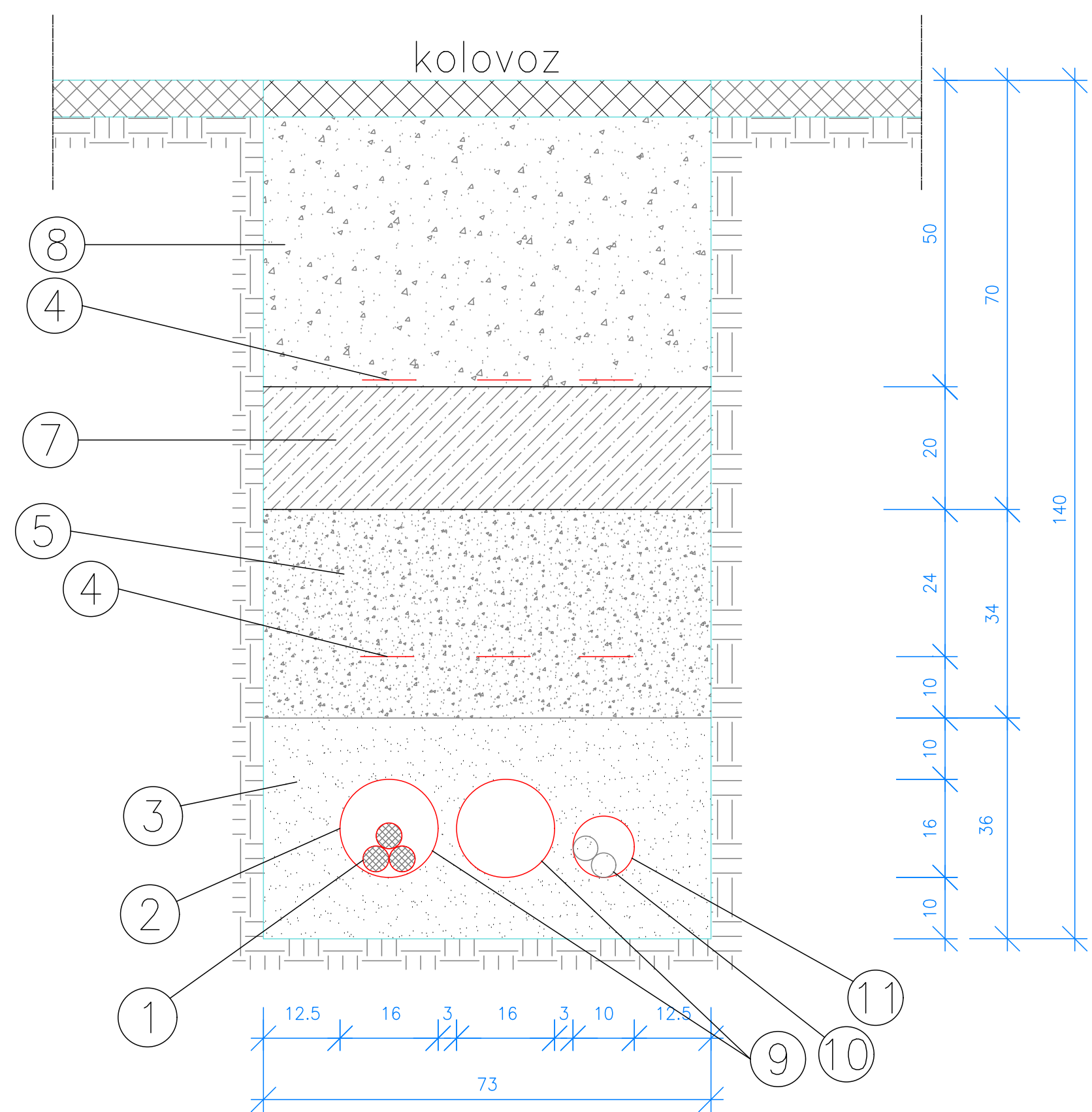
SITUACIJA	
NAGIBI NIVELETE	
kote	TERENA
NIVELETE	
STACIONA@A	
RAZMAK PROFILA	
PRAVCI I KRIVINE	

Profil 3

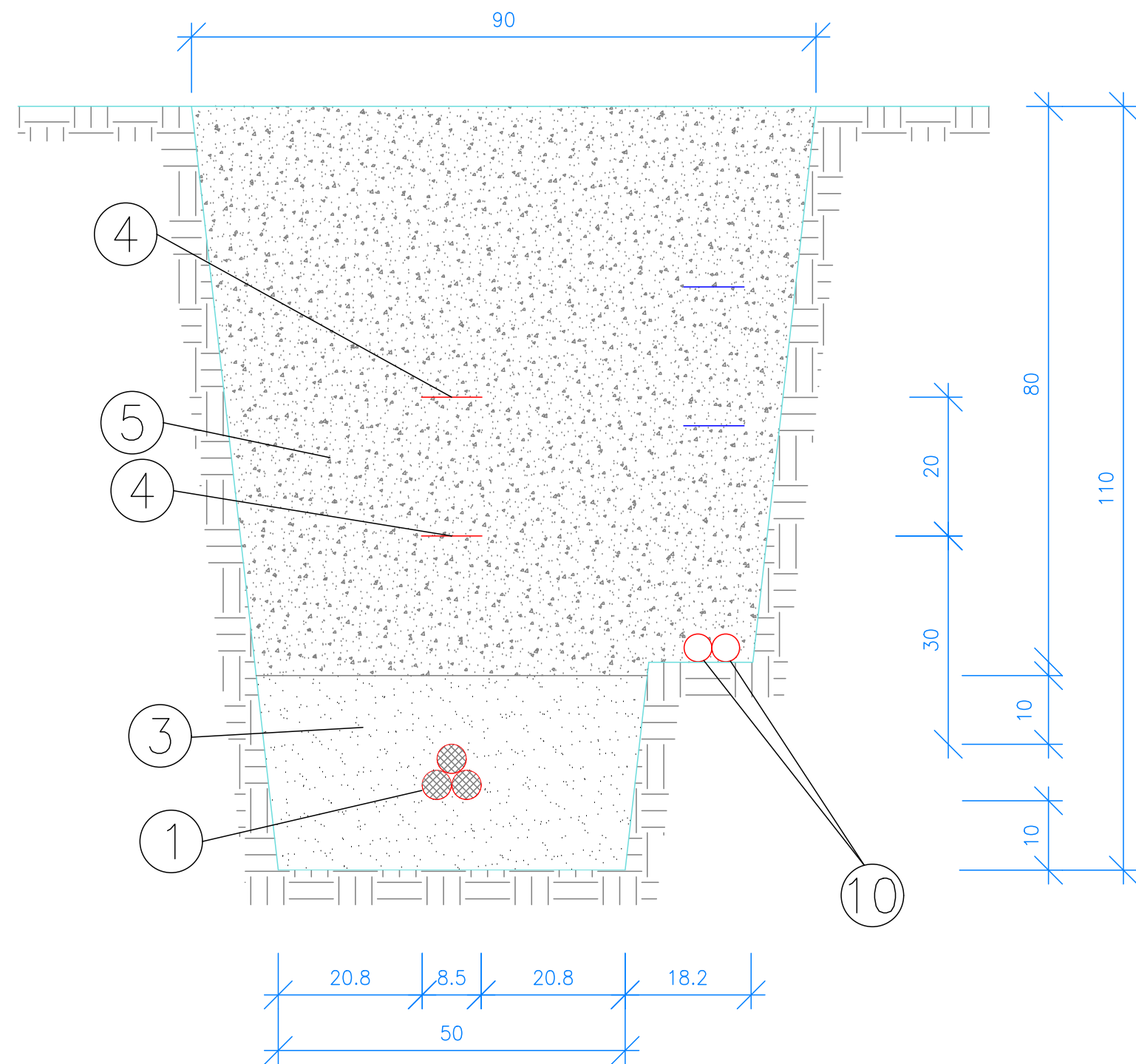
PROJEKTANT: <b>ELINDPRO</b> <b>TECHNIC</b> KRALJA MILUTINA 53 - 11000 BEOGRAD BILTOM BROJ: 6403821 elindpro@gmail.com	INVESTITOR: KATADUZO d.o.o. Majora Aleksandra Mišića br. 2/1 11010 VOŽDOVAC - BEOGRAD Matični broj: 06206123 <b>KATADUZO</b>
PROJEKAT: <b>IDEJNO REŠENJE (IDR)</b>	OBJEKAT: Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „BOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROCKA“ - TS 35/10kV „VINČA“ k.p. 176/1, 1348/1, 1347/1, 1346/2, 1760/4, 1760/2, 1763/2, 1204/17/1, 1760 K.O. Boleč, opština Grocka
ODGOVORNI PROJEKTANT: Milan Otavčević, dipl. inž. el. Licenca JKS broj 320.E912.07	DATUM: <b>IV 2025.</b>
NAZIV CRTEŽA: <b>Karakteristični profili državnog puta</b>	RAZMERA: <b>1:100</b>
	BROJ CRTEŽA: <b>ELT 20/25</b>
	BROJ LISTA: <b>3</b>
	BROJ CRTEŽA: <b>4.7.3.</b>



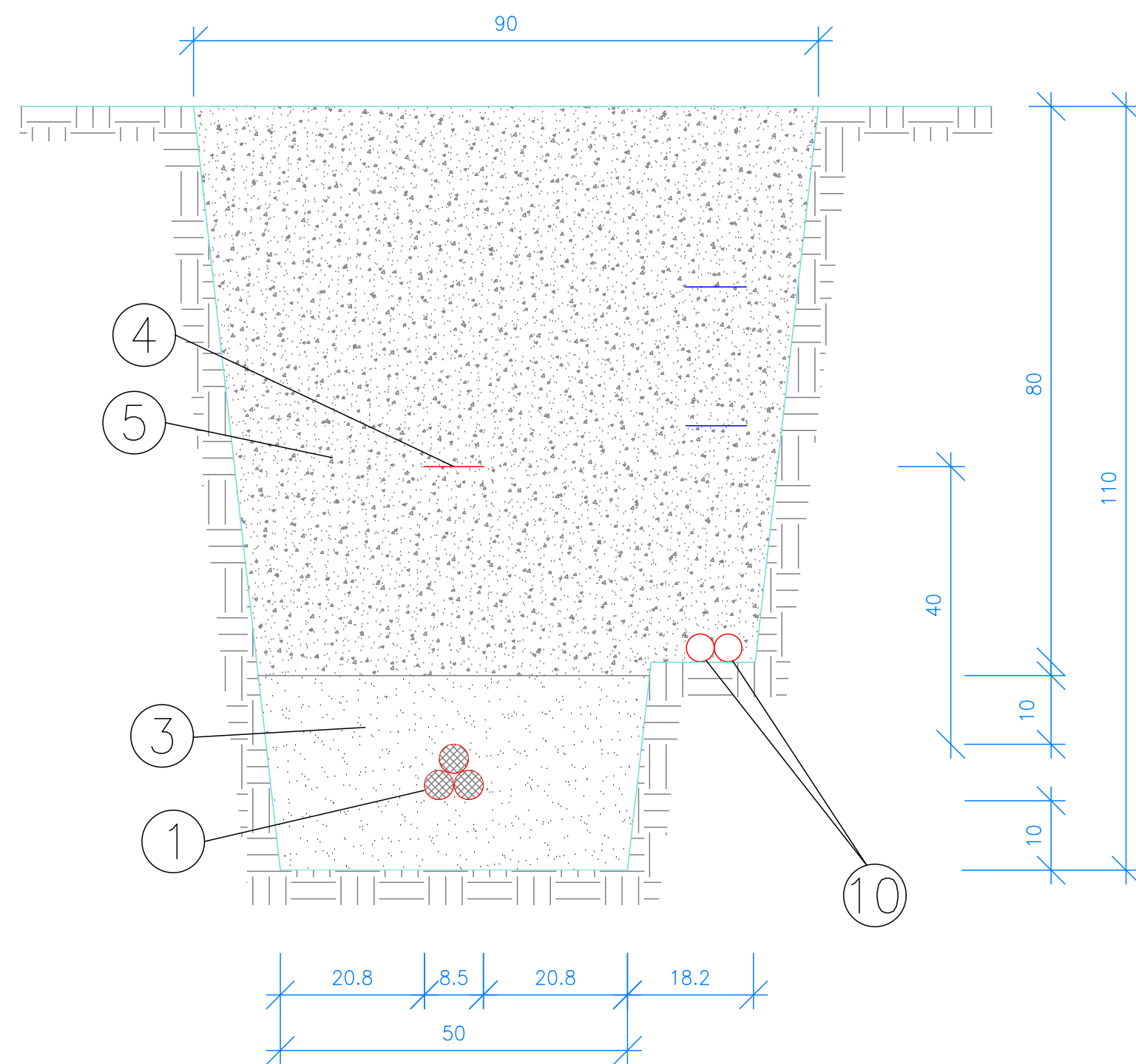
poz. 1  
POLAGANJE KABLOVA  
NA PRELAZIMA ISPOD KOLOVOZA  
(SAOBRAČAJNICA)  
U ZAŠTITNE PVC CEVI



poz. 2  
POLAGANJE KABLOVA  
NA NEREGULISANIM POVRŠINAMA



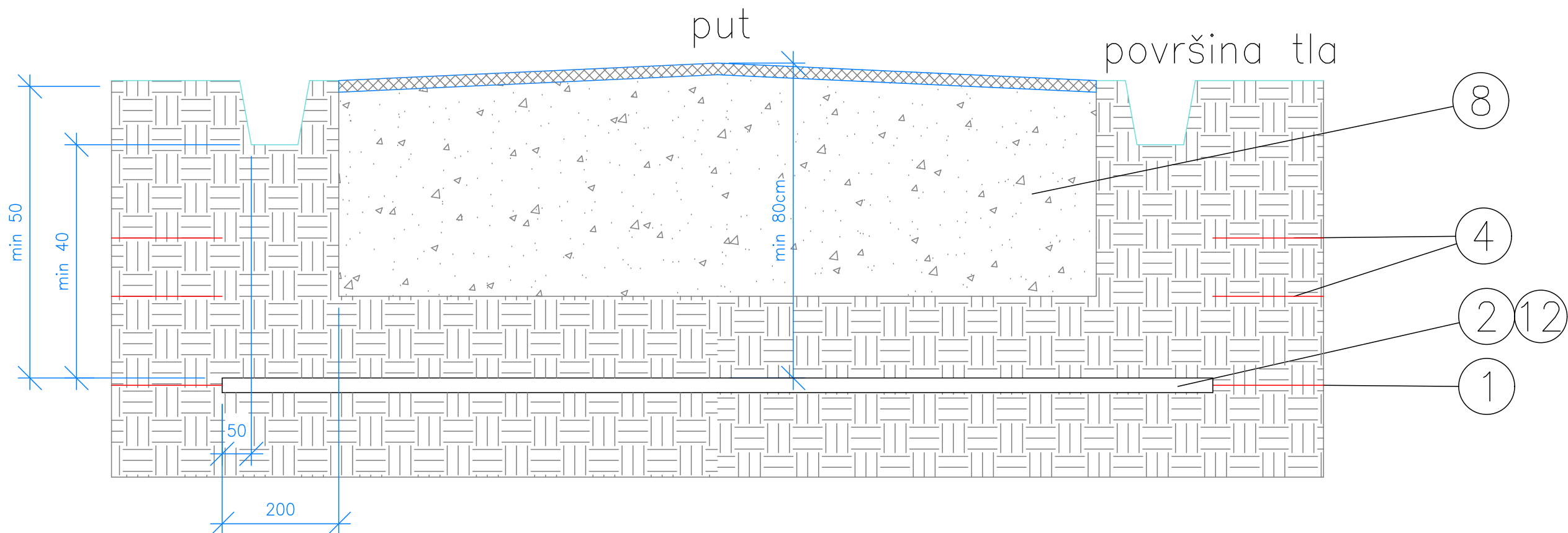
poz. 3  
POLAGANJE KABLOVA  
NA REGULISANIM POVRŠINAMA



### LEGENDA:

- 1 JEDNOŽILNI KABLOVI XHE 49-A 1x185/25 mm<sup>2</sup>, 20/35 kV
- 2 PVC CEVI Ø160mm
- 3 KABLOVSKA POSTELJICA, POSEBNA MEŠAVINA f.g.a. 0-4
- 4 PVC TRAKA ZA UPOZORENJE
- 5 ZEMLJA DOBRE TOPLOTNE PROVOĐLJIVOSTI NABIJENA U SLOJEVIMA
- 6 BETONSKE PLOČE ZA MEHANIČKU ZAŠTITU KABLA
- 7 BETON MB 150
- 8 TAMPON PUTA
- 9 REZERVNE PVC CEVI Ø160mm
- 10 PE CEV Ø40mm za potrebe optičkog kablova
- 11 PVC CEV Ø100mm

poz. 4  
UKRŠTANJE ENERGETSKOG KABLA 35kV SA PUTEM  
PODBUŠIVANJEM KRTICOM



### NAPOMENA:

- NA PRELAZU ULICA (SAOBRAČAJNICA) POLAGANJE KABLOVA IZVESTI RASKOPAVANJEM POZ.1 ILI PODBUŠIVANJEM-KRTICOM POZ. 4 U ZAVISNOSTI OD SITUACIJE NA TERENU
- POLAGANJE KABLOVA DIREKTNO U ZEMLJU (ROV) IZVESTI PREMA CRTEŽIMA DETALJA POZ. 2 I POZ. 3

PROJEKTANT: <b>ELINDPRO</b>  <b>TECHNIC</b> KRALJA MILUTINA 53, 11000 BEOGRAD BILTOM BROJ: 6403821 elindpro@gmail.com		INVESTITOR: KATADUZO d.o.o. Majora Aleksandra Mišića br. 2/1 11010 VOŽDOVAC - BEOGRAD Matični broj: 06206123 	
PROJEKT: <b>IDEJNO REŠENJE (IDR)</b>		OBJEKT: Kabliranje planiranog nadzemnog voda 35kV od postojeće TS 35/10kV „SOLEČ“ do postojećeg nadzemnog voda 35kV veza TS 35/10kV „GROČKA“ - TS 35/10kV „VINČA“ k.p. 176/1, 1348/1, 1347/1, 1348/2, 1760/4, 1760/2, 1763/2, 1204/1, 1761, 1760 K.O. Boleš, opština Grocka	
DEO PROJEKTA: <b>4 - PROJEKAT ELEKTROENERGETSKIH INSTALACIJA</b>		DODGOVORNI PROJEKTANT:  Milan Obradović, dipl. inž. el. Licenca JKS broj 320.E312.07 NAZIV CRTEŽA: <b>Detalji potapanja kablovskih vodova</b>	
DATUM: <b>IV 2025.</b>		BROJ PROJEKTA: <b>ELT 20/25</b>	
RAZMERA: <b>1:10</b>		BROJ LISTA: <b>1</b> OD <b>1</b> BROJ CRTEŽA: <b>4.7.4.</b>	