

Idejni projekt državne ceste DC 12, dionica Velika Pisanica - Sibenik

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Master's thesis / Diplomski rad

2024

Degree Grantor / Ustanova koja je dodijelila akademski / stručni stupanj: **University of Zagreb, Faculty of Civil Engineering / Sveučilište u Zagrebu, Građevinski fakultet**

Permanent link / Trajna poveznica: <https://um.nsk.hr/um:nbn:hr:237:374394>

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**SVEUČILIŠTE U ZAGREBU
GRAĐEVINSKI FAKULTET**

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DIPLOMSKI RAD

ZAGREB, 2024.

SVEUČILIŠTE U ZAGREBU
GRAĐEVINSKI FAKULTET

IDEJNI PROJEKT DRŽAVNE CESTE DC12,
DIONICA VELIKA PISANICA - SIBENIK

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Zagreb, 2024.

Sažetak

U ovom diplomskom radu su prikazane dvije varijante idejnog rješenja nove državne ceste DC12 Bjelovar - Virovitica na dionici Velika Pisanica - Sibenik čiji je trenutni status koridor u istraživanju. Varijante su projektirane u skladu s Pravilnikom (NN 110/01) za projektnu brzinu od 110 km/h. Duljina dionice za varijantu 1 iznosi 8323.792 m, a za varijantu 2 iznosi 8337.604 m. U horizontalnom smislu varijanta 1 se sastoji od četiri pravca, četiri krivina i prijelaznica. Varijanta 2 sastoji se od dva pravca, pet protusmjernih krivina i prijelaznica. Primijenjeni polumjeri krivina su od 1500 do 1900 m. U vertikalnom smislu trasa je definirana niveletom, pri čemu je maksimalni primijenjeni uzdužni nagib 1.09% za varijantu 1, odnosno 1.15% za varijantu 2. Najmanji primijenjeni uzdužni nagib u varijanti 1 iznosi 0.50%, a u varijanti 2 iznosi 0.53%. Niveleta je na lomovima zaobljena vertikalnim krivinama polumjera od 14000 do 22000 m. Kao mjerodavni poprečni profil odabran je profil 1-b (brza cesta, $V_p=100$ km/h) s dva kolnika i razdjelinim pojasom. Na projektiranim varijantama ceste ispitana je preglednost. Pokazalo se da brza cesta na nekim dijelovima ne zadovoljava uvjete preglednosti te da je potrebno proširiti bermu. Idejnim projektom obuhvaćena je izrada idejnih projekata rekonstrukcije jedne županijske i jedne nerazvrstane ceste koji se sijeku s trasom brze ceste.

Abstract

The master thesis presents the preliminary design of two variants of the state road DC12 on the section between Velika Pisanica and Sibenik in the Bjelovar – Bilogora County. The road has been designed in accordance with the Croatian regulation (NN 110/01) and for a design speed of 110 km/h. The length of the designed road section is 8323.792 meters for variant 1 and 8337.604 metres for variant 2. The horizontal alignment of variant 1 consists of four straights, four curves and transitions. The horizontal alignment of variant 2 consists of two straights, five curves and transitions. The radii of the curves are between 1500 and 1900 metres. The vertical alignment of variant 1 has a maximum longitudinal gradient of 1.09%, that of variant 2 has 1.15%. The minimum longitudinal gradient is 0.5% for variant 1 and 0.53% for variant 2. In both variants, the planned road has two carriageways divided by a median, typical cross-section 1-b (1st road category for the design speed of 100 km/h). The stopping distance was also tested on the planned road. The test results showed that the required conditions were not met on the entire section and that the hard shoulder needed to be widened. As part of project assignment, two roads (county road and unclassified road) were redesigned at the intersection with the planned DC12 road.

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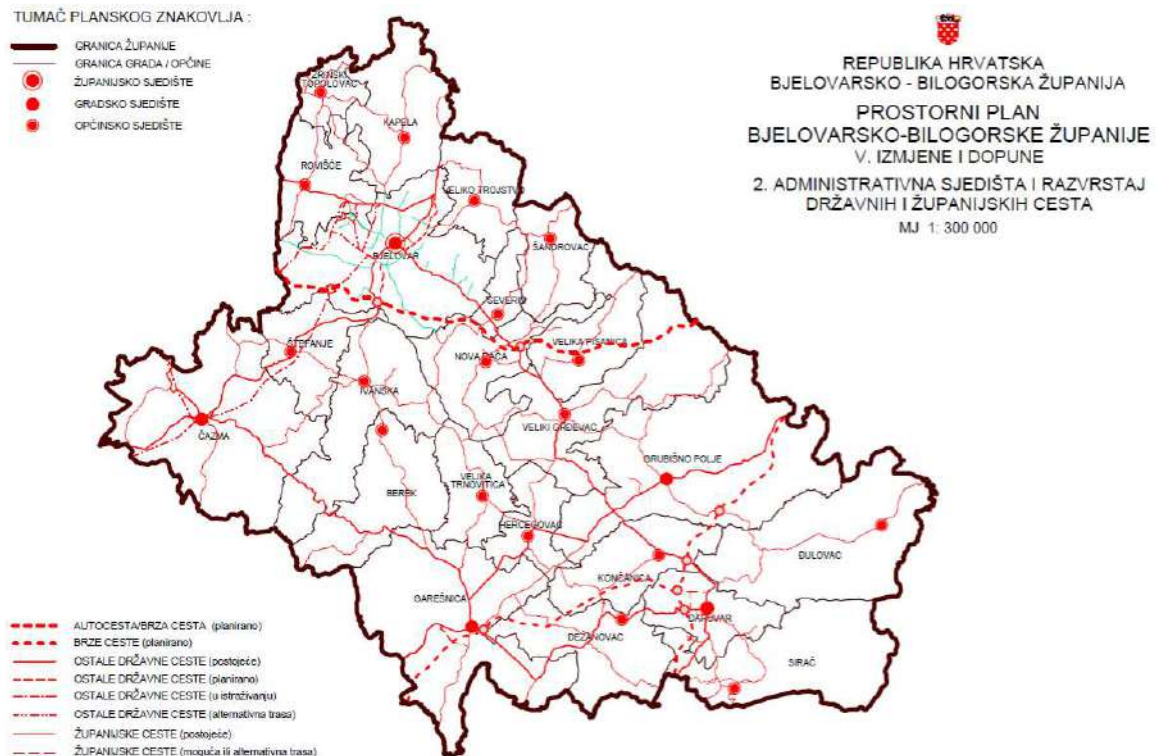
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1. Uvod

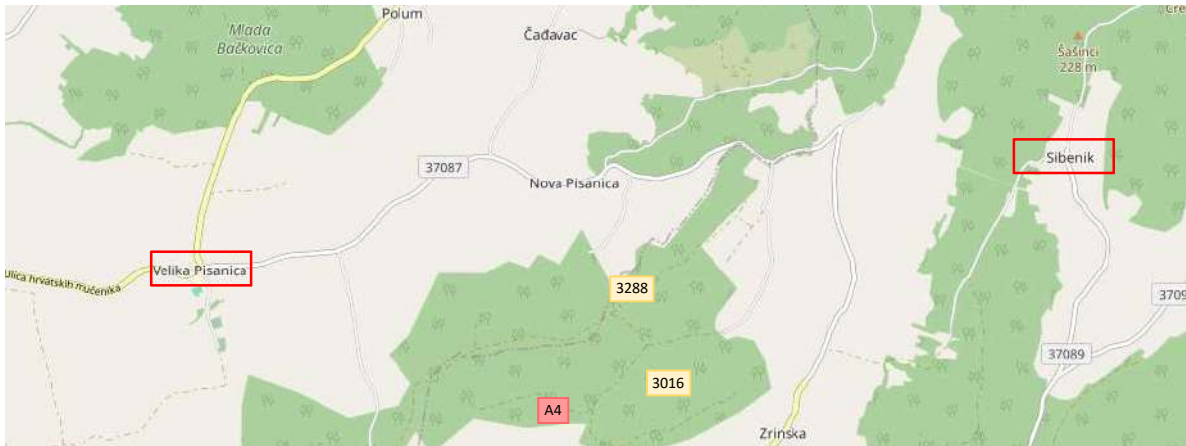
Brza cesta DC12: Čvorište Vrbovec2 (D10) – Bjelovar – Virovitica – G.P. Terezino Polje (granica Republike Mađarske) sastavni je dio cestovnog smjera koji spaja Podravinu sa glavnim gradom Zagrebom koji je planiran Strategijom prostornog razvoja Republike Hrvatske (NN broj 106/17).

Predmetna dionica omogućiti će gospodarski i demografski razvoj područja koja su od strateškog značaja za sveukupni razvitak Republike Hrvatske. Izgradnja brze ceste podigla bi razinu prometne usluge i sigurnosti prometa, omogućila bolje prometne uvjete povezivanja i prohodnosti između Bjelovarsko – bilogorske i Virovitičko – podravske županije, te rasterećivanje postojećih državnih cesta D43 (Bjelovar – Đurđevac), D2 (Đurđevac – Virovitica), D28 (Bjelovar – V. Zdenci) kao i bržu vezu prema Zagrebu. Rasterećenjem postojećih državnih cesta dovest će do poboljšanja životnih i radnih uvjeta stanovnika u gradovima i naseljima koja su se razvila uz državne ceste. [1]

U ovom radu projektirat će se poddionica ceste D12 na potezu od naselja Velika Pisanica do naselja Sibenik. Na slici 1. vidimo planiranu brzu cestu isprekidanom crtom.



Slika 1. Prostorni plan Bjelovarsko - bilogorske županije [2]



Slika 2. Auto karta Hrvatske za dionicu Velika Pisanica[3]

Prema Pravilniku [4] definirane su dvije varijante brze ceste za projektnu brzinu od 110 km/h. Duljina dionice varijante 1 iznosi 8323.792 m, a u horizontalnom smislu os se sastoji od pravaca na početku i kraju dionice, četiri krivine i dva međupravca. Duljina dionice varijante 2 iznosi 8339.593 m, a u horizontalnom smislu os se sastoji od pravaca na početku i kraju dionice te pet protusmjernih krivina. Brza cesta se visinski definira niveletom koja se većim dijelom nalazi u nasipu. Niveleta je na prijelomima zaobljena konkavnim i konveksnim krivinama. Odvodnja prometnice riješena je PEHD slivnicima, koji su povezani na PEHD revizijsko okno smješteno u razdjelnom pojasu, zajedno s kanalizacijskom cijevi.

Na početku trase gdje je prisutna interakcija s prometnim tokom županijske ceste ŽC4002 predviđa se izvedba nadvožnjaka. Na mjestu gdje dolazi do interakcije trase brze ceste s prometnim tokom nerazvrstane ceste predviđena je izrada cestovnog podvožnjaka. Detaljna razrada idejnog rješenja cestovnog nadvožnjaka i podvožnjaka nije obuhvaćena ovim radom.

Svi horizontalni i vertikalni elementi svih cesta projektirani su u skladu s Pravilnikom [4], a idejni projekt je izrađen uz pomoć računalnih programa Open Roads Designer i AutoCad 2021.

2. Tehnički opis

2.1. Položaj dionice

Dionica Velika Pisanica - Sibenik prolazi područjima općina Velika Pisanica i Veliki Grđevac u Bjelovarsko – bilogorskoj županiji. Početak trase nalazi se šestotinjak metara sjeverno od naselja Velika Pisanica i na samom početku dolazi do interakcije sa županijskom cestom ŽC4002. Dalje se pruža prema istoku i naselju Sibenik većim djelom prateći potok u dolini. Na pola dionice dolazi u interakciju sa nerazvrstanom cestom koja mjesto Čađavac povezuje sa obližnjom lokalnom cestom LC37087. Prema kraju dionice teren postaje sve zahtjevniji zbog blizine Bilogore pa će na tom dijelu zemljani radovi biti znatni. Na slici 3. prikazane su obje varijante. Plavom bojom nacrtana je os varijante 1, a crvenom os varijante 2.



Slika 3. Pregledna situacija varijanti brze ceste na dionici Velika Pisanica - Sibenik

2.2. Horizontalni elementi osi DC12 (varijanta 1)

Horizontalni elementi dionice brze ceste na dionici Velika Pisanica - Sibenik odabrani su prema Pravilniku (NN 110/01) [4] za brzu cestu i projektnu brzinu od 110 km/h. Minimalne vrijednosti polumjera horizontalnih krivina, duljine kružnog luka i prijelaznica prema Pravilniku [4] za brzu cestu i projektnu brzinu od 110 km/h navedeni su u tablici 1.

Tablica 1. Minimalni horizontalni elementi za brzu cestu [4]

Minimalni elementi	Vrijednost [m]
R_{min}	600
L_{kmin}	30
L_{min}	85

Horizontalna os sastoji se od pravca na početku i pravca na kraju dionice, četiri krivine te još dva međupravca. Prijelaznice odgovarajuće duljine primijenjene su na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina. Svi primijenjeni horizontalni elementi trase prikazani su u tablici 2. te su grafički prikazani su u priložima 2.1.1, 2.1.2, 2.1.3, 2.1.4 i 2.1.5.

Tablica 2. Horizontalni elementi na dionici Velika Pisanica - Sibenik, varijanta 1

Stacionaža		Element	R [m]	L [m]	L _k [m]	L _p [m]
0+000.000	0+584.165	pravac	-	-	-	584.165
0+584.165	0+784.165	prijelaznica	-	200	-	-
0+784.165	1+613.750	kružni luk	1800	-	829.585	-
1+613.750	1+813.750	prijelaznica	-	200	-	-
1+813.750	2+572.494	pravac	-	-	-	758.744
2+572.494	2+742.494	prijelaznica	-	170	-	-
2+742.494	4+050.000	kružni luk	1500	-	1307.506	-
4+050.000	4+220.000	prijelaznica	-	170	-	-
4+220.000	4+390.000	prijelaznica	-	170	-	-
4+390.000	5+166.759	kružni luk	1600	-	776.759	-
5+166.759	5+336.759	prijelaznica	-	170	-	-
5+336.759	7+088.452	pravac	-	-	-	1751.693
7+088.452	7+288.452	prijelaznica	-	200	-	-
7+288.452	7+802.522	kružni luk	1800	-	514.070	-
7+802.522	8+002.522	prijelaznica	-	200	-	-
8+002.522	8+323.792	pravac	-	-	-	321.270

2.3. Horizontalni elementi osi rekonstruiranih cesta ŽC4002 i nerazvrstane ceste (varijanta 1)

Osi rekonstruiranih cesta biti će okomite na DC12 s ciljem da se osigura što kraća duljina nadvožnjaka i podvožnjaka, a time smanje i troškovi izgradnje.

Horizontalni elementi za ŽC4002 odabrani su za projektnu brzinu od 60 km/h i 4. kategoriju ceste. Rekonstruirana cesta ŽC4002 sastoji se od dva pravca (na početku i na kraju dionice), dvije protusmjerne krivine te prijelaznica na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina. Horizontalni elementi za nerazvrstanu cestu odabrani su za projektnu brzinu od 50 km/h i 5. kategoriju ceste. Rekonstruirana nerazvrstana cesta sastoji se od pravca na početku dionice, tri protusmjerne krivine, jednog međupravca između druge i treće krivine te prijelaznica na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina.

U tablici 3. navedene su minimalne vrijednosti polumjera horizontalnih krivina, prijelaznica i duljine kružnog luka prema Pravilniku [4]. Svi primijenjeni horizontalni elementi rekonstruiranih cesta prikazani su u tablicama 4. i 5. te su grafički prikazani su u prilogima 3.1.1 i 3.1.2.

Tablica 3. Minimalni horizontalni elementi za cestu ŽC4002 i nerazvrstanu cestu [4]

Minimalni elementi	Vrijednost [m]	
	ŽC4002	nerazvrstana cesta
R_{min}	120	75
L_{Kmin}	17	14
L_{Pmin}	45	35

Tablica 4. Horizontalni elementi ceste ŽC4002, varijanta 1

Stacionaža		Element	R [m]	L [m]	L_k [m]	L_p [m]
0+000.000	0+589.435	pravac	-	-	-	589.435
0+589.435	0+634.435	prijelaznica	-	45	-	-
0+634.435	0+723.381	kružni luk	160	-	88.945	-
0+723.381	0+768.381	prijelaznica	-	45	-	-
0+768.381	0+813.381	prijelaznica	-	45	-	-
0+813.381	0+868.009	kružni luk	180	-	54.628	-
0+868.009	0+913.009	prijelaznica	-	45	-	-
0+913.009	0+975.702	pravac	-	-	-	62.694

Tablica 5. Horizontalni elementi nerazvrstane ceste, varijanta 1

Stacionaža		Element	R [m]	L_p [m]	L_k [m]	L [m]
0+000.000	0+084.418	pravac	-	-	-	84.418
0+084.418	0+119.418	prijelaznica	-	35	-	-
0+119.418	0+234.568	kružni luk	120	-	115.150	-
0+234.568	0+269.568	prijelaznica	-	35	-	-
0+269.568	0+316.568	prijelaznica	-	35	-	-
0+316.568	0+379.301	kružni luk	110	-	74.732	-
0+379.301	0+414.301	prijelaznica	-	35	-	-
0+414.301	0+613.658	međupravac	-	-	-	199.358
0+613.568	0+648.658	prijelaznica	-	35	-	-
0+648.658	0+676.436	kružni luk	130	-	27.777	-
0+676.436	0+711.436	prijelaznica	-	35	-	-
0+711.436	0+758.166	pravac	-	-	-	46.730

2.4. Horizontalni elementi osi DC12 (varijanta 2)

Horizontalni elementi dionice brze ceste na dionici Velika Pisanica - Sibenik odabrani su prema Pravilniku [4] za brzu cestu i projektnu brzinu od 110 km/h. Minimalne vrijednosti polumjera horizontalnih krivina, prijelaznica i duljine kružnog luka prema Pravilniku [4] za brzu cestu i projektnu brzinu od 110 km/h navedeni su u tablici 1.

Horizontalna os sastoji se od pravca na početku i pravca na kraju dionice te pet protusmjernih krivina. Prijelaznice odgovarajuće duljine primijenjene su na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina. Svi primijenjeni horizontalni elementi trase prikazani su u tablici 6. te su grafički prikazani su u priložima 2.2.1, 2.2.2, 2.2.3, 2.2.4 i 2.2.5.

Tablica 6. Horizontalni elementi na dionici Velika Pisanica - Sibenik, varijanta 2

Stacionaža		Element	R [m]	L _p [m]	L _k [m]	L [m]
0+000.000	0+692.438	pravac	-	-	-	692.438
0+692.438	0+892.438	prijelaznica	-	200	-	-
0+892.438	1+865.799	kružni luk	1700	-	973.361	-
1+865.799	2+065.799	prijelaznica	-	200	-	-
2+065.799	2+265.799	prijelaznica	-	200	-	-
2+265.799	4+050.361	kružni luk	1900	-	1784.561	-
4+050.361	4+250.361	prijelaznica	-	200	-	-
4+250.361	4+450.361	prijelaznica	-	200	-	-
4+450.361	5+411.702	kružni luk	1600	-	961.341	-
5+411.702	5+611.702	prijelaznica	-	200	-	-
5+611.702	5+811.702	prijelaznica	-	200	-	-
5+811.702	6+408.918	kružni luk	1600	-	597.216	-
6+408.918	6+608.918	prijelaznica	-	200	-	-
6+608.918	6+788.918	prijelaznica	-	180	-	-
6+788.918	7+697.581	kružni luk	1600	-	908.663	-
7+697.581	7+877.581	prijelaznica	-	180	-	-
7+877.581	8+339.593	pravac	-	-	-	462.012

2.5. Horizontalni elementi osi rekonstruiranih cesta ŽC4002 i nerazvrstane ceste (varijanta 2)

Osi rekonstruiranih cesta biti će okomite na DC12 s ciljem da se osigura što kraća duljina nadvožnjaka i podvožnjaka, a time smanje i troškovi izgradnje.

Horizontalni elementi za ŽC4002 odabrani su za projektnu brzinu od 60 km/h i 4. kategoriju ceste. Rekonstruirana cesta ŽC4002 sastoji se od dva pravca (na početku i na kraju dionice), dvije protusmjerne krivine te prijelaznica na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina. Horizontalni elementi za nerazvrstanu cestu odabrani su za projektnu brzinu od 50 km/h i 5. kategoriju ceste. Rekonstruirana nerazvrstana cesta sastoji se od pravca na početku dionice, tri protusmjerne krivine, jednog međupravca između druge i treće krivine te prijelaznica na prijelazu iz pravca u kružni luk kao i između protusmjernih krivina. U tablici 3. navedene su minimalne vrijednosti polumjera horizontalnih krivina, prijelaznica i duljine kružnog luka prema Pravilniku [4]. Svi primijenjeni horizontalni elementi rekonstruiranih cesta prikazani su u tablicama 7. i 8. te su grafički prikazani su u prilogima 3.2.1 i 3.2.2.

Tablica 7. Horizontalni elementi ceste ŽC4002, varijanta 2

Stacionaža		Element	R [m]	L [m]	L _k [m]	L _p [m]
0+000.000	0+586.228	pravac	-	-	-	586.228
0+586.228	0+631.228	prijelaznica	-	45	-	-
0+631.228	0+744.337	kružni luk	160	-	113.108	-
0+744.337	0+789.337	prijelaznica	-	45	-	-
0+789.337	0+834,337	prijelaznica	-	45	-	-
0+834,337	0+909.983	kružni luk	180	-	75.646	-
0+909.983	0+954.983	prijelaznica	-	45	-	-
0+954.983	1+019.983	pravac	-	-	-	65.000

Tablica 8. Horizontalni elementi nerazvrstane ceste, varijanta 2

Stacionaža		Element	R [m]	L _p [m]	L _k [m]	L [m]
0+000.000	0+084.485	pravac	-	-	-	84.485
0+084.485	0+119.485	prijelaznica	-	35	-	-
0+119.485	0+242.958	kružni luk	120	-	123.473	-
0+242.958	0+277.958	prijelaznica	-	35	-	-
0+277.958	0+312.958	prijelaznica	-	35	-	-
0+312.958	0+390.199	kružni luk	100	-	77.241	-
0+390.199	0+425.199	prijelaznica	-	35	-	-
0+425.199	0+639.216	međupravac	-	-	-	214.017
0+639.216	0+674.216	prijelaznica	-	35	-	-
0+674.216	0+707.712	kružni luk	130	-	33.496	-
0+707.712	0+742.712	prijelaznica	-	35	-	-
0+742.712	0+813.228	pravac	-	-	-	70.516

2.6. Vertikalni elementi osi brze ceste DC12 (varijanta 1)

Vertikalna geometrija brze ceste definirana je linijom nivelete. Kako bi bila osigurana zadovoljavajuća uzdužna odvodnja prometnice Pravilnikom [4] je propisan uvjet za minimalni uzdužni nagib od 0.5% (0.3%). Maksimalni uzdužni nagib od 5.5% propisan je za projektnu brzinu od 110 km/h. Niveleta brze ceste usklađena je s potrebom izvođenja nadvožnjaka na mjestu križanja sa ŽC4002 i podvožnjaka na mjestu križanja sa nerazvrstanom cestom kao i s potrebom zadovoljavanja slobodnih profila.

Mjerodavni kriterij za određivanje najmanjega polumjera konveksnog vertikalnog zaobljenja nivelete je osiguranje zaustavne preglednosti između automobila (oka vozača) na visini od 1.00 m i nepomične zapreke na visini od 0.23 m [4]. Dužina zaustavne preglednosti određuje se prema Grafikonu 2.2. u Pravilniku [4] ovisno o uzdužnom nagibu i računskoj brzini. Za varijantu 1 vrijedi da je $P_z=245$ m te $V_R=110$ km/h iz čega je određeno da je minimalni polumjer konveksne krivine 14000 m. Pravilnikom [4] je definirano da iz optičkih razloga polumjer konkavnog vertikalnog zaobljenja ne bi trebao biti manji od polovine polumjera susjednog konveksnog vertikalnog zaobljenja. Primijenjeni vertikalni elementi brze ceste navedeni su u tablici 9., a grafički su prikazani u prilogima 4.1.1, 4.1.2 i 4.1.3

Tablica 9. Vertikalni elementi brze ceste DC12, varijanta 1

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+300.131	pravac	-0.82	-	300.131
0+300.131	0+510.882	konkavna	-	16000	210.751
0+510.882	3+272.406	pravac	0.50	-	2761.524
3+272.406	3+492.403	konveksna	-	22000	219.997
3+492.403	4+625.444	pravac	-0.50	-	1133.041
4+625.444	4+959.413	konkavna	-	21000	333.969
4+959.413	8+323.792	pravac	1.09	-	3364.379

2.7. Vertikalni elementi osi rekonstruiranih cesta ŽC4002 i nerazvrstane ceste (varijanta 1)

Rekonstruirana županijska cesta prema zahtjevima propisanim Pravilnikom [4] smije imati maksimalni uzdužni nagib nivelete od 9% i minimalni od 0.5%. Rekonstruirana nerazvrstana cesta smije imati maksimalni uzdužni nagib 11%, a minimalni 0,5%. Minimalni polumjer konveksnog vertikalnog zaobljenja nivelete županijske ceste ŽC4002 je 1100 m, a minimalni polumjer za nerazvrstanu cestu iznosi 600 m. Minimalni polumjer konkavnog vertikalnog zaobljenja ne smije biti manji od polovice polumjera konveksnog zaobljenja vertikalne krivine.

Niveleta županijske ceste usklađena je s potrebom izvođenja nadvožnjaka na mjestu križanja s trasom brze ceste u smislu osiguranja dovoljne visine slobodnog profila za brzu cestu. Niveleta nerazvrstane ceste usklađena je s potrebom izvođenja podvožnjaka na mjestu križanja s trasom brze ceste u smislu osiguranja dovoljne visine slobodnog profila za nerazvrstanu cestu. Primijenjeni vertikalni elementi županijske i nerazvrstane ceste navedeni su u tablicama 10. i 11., a grafički su prikazani u prilogima 6.1.1 i 6.1.2.

Tablica 10. Vertikalni elementi ŽC4002, varijanta 1

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+59.612	pravac	-7.75	-	59.612
0+59.612	0+158.410	konkavna krivina	-	1500	98.798
0+158.410	0+320.589	pravac	-1.14	-	162.180
0+320.589	0+394.520	konkavna krivina	-	1500	73.931
0+394.520	0+466.617	pravac	3.79	-	72.097
0+466.617	0+580.409	konveksna krivina	-	1500	113.792
0+580.409	0+637.218	pravac	-3.80	-	56.809
0+637.218	0+725.562	konkavna krivina	-	1500	88.344
0+725.562	0+975.702	pravac	2.09	-	250.140

Tablica 11. Vertikalni elementi nerazvrstane ceste, varijanta 1

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+016.589	pravac	-1.32	-	16.589
0+016.589	0+083.319	konveksna krivina	-	850	66.731
0+083.319	0+306.515	pravac	-9.21	-	223.195
0+306.515	0+375.794	konkavna krivina	-	800	69.279
0+375.794	0+649.555	pravac	-0.51	-	273.761
0+649.555	0+675.537	konkavna krivina	-	1300	25.982
0+675.537	758.166	pravac	1.49	-	82.628

2.8. Vertikalni elementi osi brze ceste DC12 (varijanta 2)

Vertikalna geometrija brze ceste definirana je linijom nivelete. Kako bi bila osigurana zadovoljavajuća uzdužna odvodnja prometnice Pravilnikom [4] je propisan uvjet za minimalni uzdužni nagib od 0.5% (0.3%). Maksimalni uzdužni nagib od 5.5% propisan je za projektnu brzinu od 110 km/h. Niveleta brze ceste usklađena je s potrebom izvođenja nadvožnjaka na mjestu križanja sa ŽC4002 i podvožnjaka na mjestu križanja sa nerazvrstanom cestom kao i s potrebom zadovoljavanja slobodnih profila.

Mjerodavni kriterij za određivanje najmanjega polumjera konveksnog vertikalnog zaobljenja nivelete je osiguranje zaustavne preglednosti između automobila (oka vozača) na visini od 1.00 m i nepomične zapreke na visini od 0.23 m [4]. Dužina zaustavne preglednosti određuje se prema Grafikonu 2.2. u Pravilniku [4] ovisno o uzdužnom nagibu i računskoj brzini. Za varijantu 1 vrijedi da je $P_Z=247$ m te $V_R=110$ km/h iz čega je određeno da je minimalni polumjer konveksne krivine 14000 m. Pravilnikom [4] je definirano da iz optičkih razloga polumjer konkavnog vertikalnog zaobljenja ne bi trebao biti manji od polovine polumjera susjednog konveksnog vertikalnog zaobljenja. Primijenjeni vertikalni elementi brze ceste navedeni su u tablici 12., a grafički su prikazani u priložima 4.2.1 i 4.2.2.

Tablica 12. Vertikalni elementi brze ceste DC12, varijanta 2

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+377.149	pravac	-0.67	-	377.149
0+377.149	0+598.494	konkavna	-	18000	221.345
0+598.494	3+191.032	pravac	0.56	-	2592.537
3+191.032	3+408.887	konveksna	-	20000	217.855
3+408.887	4+690.721	pravac	-0.53	-	1281.834
4+690.721	4+925.007	konkavna	-	14000	234.286
4+925.007	8+337.604	pravac	1.15	-	3412.597

2.9. Vertikalni elementi osi rekonstruirane ceste ŽC4002 i nerazvrstane ceste

(varijanta 2)

Rekonstruirana županijska cesta prema zahtjevima propisanim Pravilnikom [4] smije imati maksimalni uzdužni nagib nivelete od 9% i minimalni od 0.5%. Rekonstruirana nerazvrstana cesta smije imati maksimalni uzdužni nagib 11%, a minimalni 0,5%. Minimalni polumjer konveksnog vertikalnog zaobljenja nivelete županijske ceste ŽC4002 je 1100 m, a minimalni polumjer za nerazvrstanu cestu iznosi 600 m. Minimalni polumjer konkavnog vertikalnog zaobljenja ne smije biti manji od polovice polumjera konveksnog zaobljenja vertikalne krivine. Niveleta županijske ceste usklađena je s potrebom izvođenja nadvožnjaka na mjestu križanja s trasom brze ceste u smislu osiguranja dovoljne visine slobodnog profila za brzu cestu. Niveleta nerazvrstane ceste usklađena je s potrebom izvođenja podvožnjaka na mjestu križanja s trasom brze ceste u smislu osiguranja dovoljne visine slobodnog profila za nerazvrstanu cestu. Primijenjeni vertikalni elementi županijske i nerazvrstane ceste navedeni su u tablicama 13. i 14., a grafički su prikazani u priložima 6.2.1 i 6.2.2.

Tablica 13. Vertikalni elementi ŽC4002, varijanta 2

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+120.329	pravac	-7.06	-	120.329
0+120.329	0+226.884	konkavna krivina	-	1400	106.555
0+226.884	0+329.629	pravac	0.57	-	102.745
0+329.629	0+371.349	konkavna krivina	-	1500	41.42
0+371.349	0+477.810	pravac	3.35	-	106.461
0+477.810	0+581.793	konveksna krivina	-	1400	86.555
0+581.793	0+633.928	pravac	-4.08	-	52.135
0+633.928	0+715.154	konkavna krivina	-	1300	81.226
0+715.154	1+019.983	pravac	2.17	-	304.829

Tablica 14. Vertikalni elementi nerazvrstane ceste, varijanta 2

Stacionaža		Element	s [%]	R [m]	L [m]
0+000.000	0+024.759	pravac	-2.99	-	24.759
0+024.759	0+074.962	konveksna krivina	-	850	50.203
0+074.962	0+314.545	pravac	-8.93	-	239.583
0+314.545	0+385.942	konkavna krivina	-	850	71.397
0+385.942	0+569.513	pravac	-0.50	-	183.571
0+569.513	0+621.596	konkavna krivina	-	3000	52.083
0+621.596	0+813.228	pravac	1.24	-	191.632

2.10. Normalni poprečni profil brze ceste

Elementi poprečnog presjeka ceste (prometni trak, zaustavni trak, rubni trak, razdjelni pojas, bankina, berma, zaštitni jarci, oprema prometnice, obrada pokosa usjeka i nasipa te slojevi kolničke konstrukcije) te njihove dimenzije definirane su normalnim poprečnim profilom odabranim prema Pravilniku [4]. Za brzu cestu i projektnu brzinu od 110 km/h odabran je profil 1 - b (brza cesta, $V_P=100$ km/h).

Brza cesta se u svakom smjeru sastoji od dva vozna traka. Širina svakog voznog traka iznosi 3.50 m. Između vanjskog voznog traka i bankine, odnosno rigola, nalazi se rubni trak širine 0.50 m. Između unutarnjeg voznog traka i razdjelnog pojasa nalazi se rubni trak širine 0.50 m. Ukupna širina kolnika iznosi 8.00 m. Razdjelni pojas je širine 3.00 m i unutar njega postavlja se dvostruka distantna odbojna ograda visine 1.1 m. Na bankinama se postavljaju jednostrane odbojne ograde visine 1.1 m. Bankine su širine 1.5 m i imaju minimalni poprečni nagib od 4%. Širina bermi iznosi 0.75 m. One imaju minimalni poprečni nagib od 5% i uz njih se nalazi rigol širine 0.75 m. Ukupna širina krune brze ceste iznosi 22.00 m.

Nagibi svih pokosa usjeka i nasipa su 1:1.5 te je predviđeno je skidanje sloja humusa debljine 20 cm prije početka zemljanih radova kao i završno oblaganje pokosa usjeka i nasipa slojem humusa od 20 cm. Proširenje kolnika se ne izvodi jer je vrijednost proširenja za oba prometna traka manja od 0.3 m. Na mjestima gdje je visina nasipa veća od 5 m izvesti će se potporni zidovi od gabiona. U tablici 15 i 16 dane su početne i krajnje stacionaže te duljina tih zidova za obje varijante, a u prilogu 7.3.1 je dan grafički detalj poprečnog presjeka. Na mjestima gdje je visina usjeka veća od 5 m izvesti će se kaskade širine 3.00 m i nagiba od 3%. U tablici 17 i 18 dane su početne i krajnje stacionaže te duljina tih kaskada za obje varijante, a u prilogu 7.3.2 je dan grafički detalj poprečnog presjeka. U prilogima 7.1, 7.2 prikazani su normalni poprečni profili brze ceste u zasjeku u pravcu i u zasjeku u krivini.

Tablica 15. Potporni zidovi, varijanta 1

Oznaka zida	Početna stacionaža	Krajnja stacionaža	Duljina [m]
ZL1	3+342.500	3+926.936	584.436
ZL2	4+019.238	4+106.670	87.432
ZL3	6+660.000	7+120.000	460.000
ZL4	7+454.278	7+560.000	105.722
ZL5	7+570.000	8+120.000	550.000
ZD1	2+650.000	2+820.000	170.000
ZD2	2+860.000	2+900.000	40.000
ZD3	2+980.000	3+480.853	500.853
ZD4	3+511.613	3+926.936	415.323
ZD5	3+980.000	4+140.000	160.000
ZD6	6+820.000	7+060.000	240.000
ZD7	7+700.000	7+760.000	60.000
ZD8	7+935.855	7+980.000	44.145
		Σ	3417.911

Tablica 16. Potporni zidovi, varijanta 2

Oznaka zida	Početna stacionaža	Krajnja stacionaža	Duljina [m]
ZL1	3+118.856	3+493.763	374.907
ZL2	3+517.633	3+916.471	398.838
ZL3	3+984.137	4+115.890	131.753
ZL4	6+124.710	6+358.323	233.613
ZL5	6+518.155	7+078.280	560.125
ZL6	7+615.919	8+147.853	531.934
ZD1	2+681..471	2+802.609	121.138
ZD2	2+859.562	3+441.835	582.273
ZD3	3+614.597	3+647.327	32.730
ZD4	3+770.000	3+836.874	66.874
ZD5	3+873.691	3+925.481	51.790
ZD6	3+977.345	4+115.890	138.545
ZD7	6+582.053	7+042.261	460.208
ZD8	7+897.854	7+997.853	99.999
		Σ	3784.727

Tablica 17. Kaskade, varijanta 1

Oznaka zida	Početna stacionaža	Krajnja stacionaža	Duljina [m]
KL1	4+928.974	5+195.000	266.026
KL2	7+240.000	7+320.000	80.000
KD1	4+881.420	5+280.000	398.580
KD2	5+960.000	6+200.000	240.000
KD3	6+300.000	6+480.000	180.000
KD4	7+140.000	7+387.945	247.945
		Σ	1412.551

Tablica 18. Kaskade, varijanta 2

Oznaka zida	Početna stacionaža	Krajnja stacionaža	Duljina [m]
KL1	4+897.643	5+205.465	307.822
KL2	7+121.967	7+448.179	326.212
KD1	4+952.515	5+015.762	63.247
KD2	7+158.278	7378.278	219.941
		Σ	917.222

Kolnička konstrukcija planirane brze ceste sastoji od habajućeg sloja asfaltbetona AC 11 surf 45/80-65 debljine 4 cm, nosivog sloja AC 32 base 50/70 debljine 9 cm, cementom stabiliziranog nosivog sloja CNS debljine 20 cm i mehanički zbijenog nosivog sloja debljine 30 cm.

Poprečni nagib kolnika u pravcu iznosi $q = 2.5 \%$, a poprečni nagibi kolnika u krivini ovise o iznosu polumjera horizontalne krivine i računskoj brzini te se određuju prema grafikonu 2.1. iz Pravilnika [4]. Maksimalni poprečni nagib u horizontalnoj krivini odgovara minimalnom radijusu krivine i iznosi $q = 7 \%$. Nagibi kolnika u pravcu i krivinama su jednostrešni.

U krivini se nagib izvodi prema unutrašnjoj strani krivine zbog djelovanja centrifugalne sile koja nastoji izbaciti vozilo iz krivine. Vitoperenje odnosno prijelazi između nagiba u pravcu i nagiba u krivini izvode se na duljini prijelaznica tako da se plohe oba kolnika zaokreću oko ruba razdjelnog pojasa. Nagibi rampe vitoperenja su na cijeloj dionici trase manji od minimalnog dopuštenog nagiba rampe određenog Pravilnikom [4] te se stoga na njima izvodi brzo vitoperenje. Poprečni nagibi brze ceste koji su primijenjeni u krivinama za varijantu 1 i 2 dani su tablicama 15. i 16. Sheme vitoperenja prikazane su u priložima od 4.1.1 do 4.2.3.

Tablica 19. Poprečni nagibi kolnika u krivinama, varijanta 1

Krivina	R [m]	L _P [m]	V _P [m]	q [%]
1	1800	200	110	3.0
2	1500	170	110	3.4
3	1600	170	110	3.3
4	1800	200	110	3.0

Tablica 20. Poprečni nagibi kolnika u krivinama, varijanta 2

Krivina	R [m]	L _P [m]	V _P [m]	q [%]
1	1700	200	110	3.1
2	1900	200	110	2.8
3	1600	200	110	3.3
4	1600	200	110	3.3
5	1600	180	110	3.3

2.11. Normalni poprečni profili rekonstruirane ceste ŽC4002 i nerazvrstane ceste

Elementi poprečnog presjeka cesta (prometni trak, rubni trak, bankina, berma, zaštitni jarci, oprema prometnice, obrada pokosa usjeka i nasipa te slojevi kolničke konstrukcije) i njihove dimenzije definirane su normalnim poprečnim profilom odabranim prema Pravilniku [4]. Za županijsku cestu i projektnu brzinu od 60 km/h odabran je profil 4 - f (4. kategorija, V_p=60 km/h). Za nerazvrstanu cestu i projektnu brzinu od 50 km/h odabran je profil 5-g (5. kategorija, V_p=50 km/h).

Županijska cesta izvodi se kao dvosmjerna dvotračna cesta s širinom prometnih trakova 3.00 m. Rubni trakovi su širine 0.20 m. Ukupna širina kolnika iznosi 6.40 m Bankine su širine 1.00 m i imaju minimalni poprečni nagib od 4%. Širina bermi iznosi 0.50 m i imaju minimalni poprečni nagib od 5% i uz njih se nalazi rigol širine 0.50 m. Ukupna širina krune županijske ceste iznosi 8.40 m. Nagibi svih pokosa usjeka i nasipa su 1:1.5 te je predviđeno je skidanje sloja humusa debljine 20 cm prije početka zemljanih radova kao i završno oblaganje pokosa usjeka i nasipa slojem humusa od 20 cm.

Kolnička konstrukcija županijske ceste sastoji se od habajućeg sloja asfaltbetona AC 11 surf 50/70 debljine 4. cm, nosivog sloja AC 22 base 50/70 debljine 8 cm i mehanički zbijenog nosivog sloja debljine 40 cm. U prilogu 7.4 prikazani su normalni poprečni profili županijske ceste.

Nerazvrstana cesta izvodi se kao dvosmjerna dvotračna cesta s širinom prometnih trakova 2.75 m. Rubnih trakova nema. Ukupna širina kolnika iznosi 5.50 m. Bankine su širine 1.00 m i imaju minimalni poprečni nagib od 4%. Širina bermi iznosi 0.50 m i imaju minimalni poprečni nagib od 5% i uz njih se nalazi rigol širine 0.50 m. Ukupna širina krune nerazvrstane ceste iznosi 7.50 m. Nagibi svih pokosa usjeka i nasipa su 1:1.5 te je predviđeno je skidanje sloja humusa debljine 20 cm prije početka zemljanih radova kao i završno oblaganje pokosa usjeka i nasipa slojem humusa od 20 cm.

Kolnička konstrukcija nerazvrstane ceste sastoji se od habajućeg sloja asfaltbetona AC 11 surf 50/70 debljine 4. cm, nosivog sloja AC 22 base 50/70 debljine 8 cm i mehanički zbijenog nosivog sloja debljine 40 cm. U prilogu 7.5 prikazani su normalni poprečni profili nerazvrstane ceste.

Duž trase izvedeno je proširenje kolnika u krivinama . Kao mjerodavno vozilo za određivanje proširenja kolnika je odabran tegljač s poluprikolicom, a iznos proširenja jednog prometnog traka ovisi o polumjeru krivine te se određuje prema formuli $\Delta s = 42/R$ [4] . Proširenje se izvodi za oba prometna traka na unutarnjoj strani krivine. U tablicama 17., 18., 19. i 20. prikazane su vrijednosti proširenja jednog prometnog traka (Δs) i proširenje za oba prometna traka za sve primijenjene polumjere krivina.

Poprečni nagib kolnika u pravcu iznosi $q = 2.5 \%$, a poprečni nagibi kolnika u krivini ovise o iznosu polumjera horizontalne krivine i računskoj brzini te se određuju prema grafikonu 2.1. iz Pravilnika [4]. Maksimalni poprečni nagib u horizontalnoj krivini odgovara minimalnom radijusu krivine i iznosi $q = 7 \%$. Nagibi u pravcu i krivinama su jednostrešni. U krivini se nagib izvodi prema unutrašnjoj strani krivine zbog djelovanja centrifugalne sile koja nastoji izbaciti vozilo iz krivine. Vitoperenje odnosno prijelazi između nagiba u pravcu i nagiba u krivini izvode se na duljini prijelaznica tako da se kolnik zaokreće oko unutarnjeg ruba kolnika.

Nagibi rampe vitoperenja su na cijeloj dionici trase veći od minimalnog dopuštenog nagiba rampe određenog Pravilnikom [4] pa se zato na njima ne izvodi brzo vitoperenje. Poprečni nagibi županijske i nerazvrstane ceste koji su primijenjeni u krivinama za varijantu 1 i 2 dani su tablicama 21., 22., 23. i 24. Sheme vitoperenja prikazane su u priložima od 6.1.1 do 6.2.2.

Tablica 21. Poprečni nagibi i proširenje kolnika u krivinama za ŽC4002, varijanta 1

Krivina	R [m]	L _P [m]	V _P [m]	q [%]	Δš [m]	2Δš [m]
1	160	45	60	5.6	0.26	0.52
2	180	45	60	5.0	0.23	0.46

Tablica 22. Poprečni nagibi i proširenje kolnika u krivinama za nerazvrstanu cestu, varijanta 1

Krivina	R [m]	L _P [m]	V _P [m]	q [%]	Δš [m]	2Δš [m]
1	120	35	50	5.3	0.35	0.70
2	110	35	50	5.6	0.38	0.76
3	130	35	50	5.0	0.32	0.64

Tablica 23. Poprečni nagibi i proširenje kolnika u krivinama za ŽC4002, varijanta 2

Krivina	R [m]	L _P [m]	V _P [m]	q [%]	Δš [m]	2Δš [m]
1	16	45	60	5.6	0.26	0.52
2	180	45	60	5.0	0.23	0.46

Tablica 24. Poprečni nagibi i proširenje kolnika u krivinama za nerazvrstanu cestu, varijanta 2

Krivina	R [m]	L _P [m]	V _P [m]	q [%]	Δš [m]	2Δš [m]
1	120	35	50	5.3	0.35	0.70
2	100	35	50	5.7	0.42	0.84
3	130	35	50	5.0	0.32	0.64

2.12. Sustav odvodnje

Trokutasti rigoli širine 0.75 m i nagiba 20% postavljaju se uz rub rubnog traka u usjeku i zasjeku kako bi se osigurala odvodnja vode koja doprije na kolnik. U nasipu nije izvedena odvodnja već voda slobodno otječe s kolnika preko bankine. Kako bi se osigurala odvodnja s posteljice, ona se izvodi u nagibu od minimalno 4% što osigurava otjecanje vode do uzdužne drenaže. Drenaža je trapeznog oblika širine dna 40 cm na koje se postavlja drenažna cijev promjera Ø20 cm. Voda se preko uzdužne drenaže odvodi do PEHD slivnika promjera Ø50 cm čije se dno nalazi na dubini od 2.00 metra. Prikupljena voda se iz slivnika izliva u okno glavnog kolektora kroz cijev Ø20 cm koja je obložena s 10 cm betona. Kolektor je revizijsko PEHD okno koje je smješteno ispod razdjelnog pojasa te je zatvoreno lijevanim željeznim poklopcem.

Promjer kanalizacijske cijevi je 50cm. Kanalizacijska cijev prati os brze ceste pa će njezina duljina za obje varijante biti tek nešto manja od duljine ceste. Razlog tome je što je kanalizacijska cijev između revizionih okana u pravcu. Rigoli i drenaže postavljaju se u usjeku i u krivinama.

Zaštitni jarci izvode se na mjestima uz usjek te nasip na kojima se zbog konfiguracije okolnog terena očekuje teža odvodnja oborinskih voda. U tablicama 25. i 26. prikazane su duljine i stacionaže zaštitnih jaraka za obje varijante. Minimalna dubina jarka iznosi 0.5 m, a maksimalna 1.3 m. Nagibi pokosa jaraka su 1:1 i oni se postavljaju minimalno 5.0 m od usjeka odnosno 2.0 m od nožice nasipa. Niveleta jarka zaobljena je vertikalnim krivinama polumjera 5m. Uzdužni profili zaštitnih jaraka prikazani su u priložima od 5.1.1 do 5.2.2.

Tablica 25. Zaštitni jarci, varijanta 1

Oznaka jarka	Početa stacionaža	Krajnja stacionaža	Duljina [m]
D	0+000.000	2+011.183	2011.183
L	0+000.000	1+990.374	1990.374

Tablica 26. Zaštitni jarci, varijanta 2

Oznaka jarka	Početa stacionaža	Krajnja stacionaža	Duljina [m]
D	0+000.000	2+013.010	2013.010
L	0+000.000	1+990.229	1990.229

Ako se na nekim mjestima zbog uvjeta okolnog terena ne može osigurati uzdužna odvodnja potrebno je izvesti poprečne propuste [4]. Propust je okruglog poprečnog presjeka promjera Ø 100 cm. Na mjestima ulijevne i izljevne glave izvedeno je betonsko korito širine minimalno 200 cm. Uzdužni nagib propusta izvodi se od 0.5 do 15 % dok nagib cijevi propusta iznosi 2.0 %. Objе varijante zahtijevaju izvođenje 4 propusta. Za obje varijante grafički je prikazan karakteristični poprečni presjek sa propustom u priložima 8.1.4 i 8.2.4

2.13. Karakteristični poprečni profili

Za svaku varijantu izrađeno je 10 karakterističnih poprečnih profila kako bi prikazalo što više poprečnih elemenata trase s različitim horizontalnim elementima. Pomoću karakterističnih profila trasa je prikazana u pravcu, krivini, prijelaznici, usjeku, nasipu i zasjeku. U obje varijante se dva profila nalaze u zasjeku, četiri u usjeku i četiri u nasipu. Stacionaže profila, njihov opis i poprečni nagib kolnika prikazani su u tablicama 27. i 28., a sami karakteristični poprečni profili grafički su prikazani u priložima 8.1.1, 8.1.2, 8.1.3, 8.2.1, 8.2.2 i 8.2.3.

Tablica 27. Karakteristični poprečni profili, varijanta 1

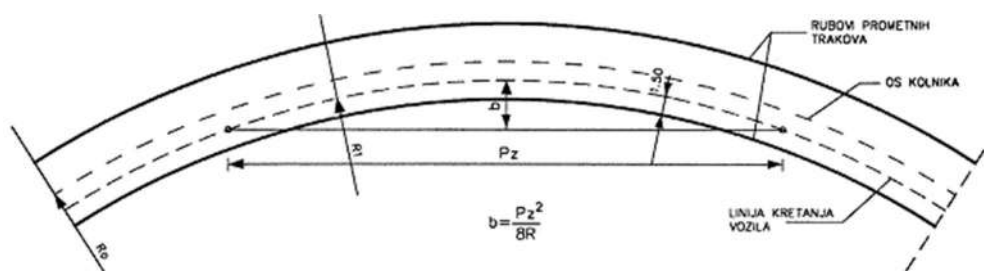
Broj profila	Stacionaža	q [%]	Opis
1	2+100.000	2.5	zasjek
2	2+700.000	3.08 i 3.18	nasip visine H =5.31 m
3	3+200.000	3.4	nasip visine H =6.97 m
4	4+400.000	3.3	nasip visine H =3.02 m
5	4+900.000	3.3	usjek visine H =5.43 m
6	5+800.000	2.5	usjek visine H =1.57 m
7	6+650.000	2.5	zasjek
8	6+700.000	2.5	nasip visine H=3.25 m
9	7+300.000	3.0	usjek visine H =9.40 m
10	8+300.000	2.5	usjek visine H =3.65 m

Tablica 28. Karakteristični poprečni profili, varijanta 2

Broj profila	Stacionaža	q [%]	Opis
1	2+200.000	2.7	usjek visine H =1.51 m
2	2+300.000	2.8	zasjek
3	2+750.000	2.8	nasip visine H=4.58 m
4	3+500.000	2.8	nasip visine H=3.62 m
5	4+050.000	2.8	nasip visine H=5.68 m
6	4+800.000	3.3	zasjek
7	5+100.000	3.3	usjek visine H =7.57 m
8	5+650.000	2.6	usjek visine H =1.87 m
9	7+200.000	3.3	usjek visine H =13.19 m
10	7+650.000	3.3	nasip visine H=3.75 m

2.14. Preglednost

Horizontalna preglednost osigurava se uklanjanjem svih prepreka na unutrašnjoj strani horizontalnog zavoja odnosno osiguranjem potrebne širine preglednosti te računa prema shemi i formuli na slici 4. [9]

**Slika 4.** Elementi horizontalne preglednosti u krivini [5]

Širina odnosno berma preglednosti b ovisi o duljini preglednosti i polumjeru krivine kojom se vozilo kreće te se računa od putanje oka vozača koja je udaljena 1.5 m od ruba prometnog traka. Za brzinu od 110 km/h uzdužni nagib 1% minimalna duljina preglednosti koja mora biti osigurana iznosi 240 m. U tablicama 29. i 30. dane su potrebne širine preglednosti za svaku horizontalnu krivinu.

Tablica 29. Potrebna širina preglednosti (b) u horizontalnim krivinama, varijanta 1

Stacionaža		P_z [m]	R [m]	b [m]
0+784.165	1+613.750	240	1800	4.00
2+742.494	4+050.000	240	1500	4.80
4+390.000	5+166.759	240	1600	4.50
7+288.452	7+802.522	240	1800	4.00

Tablica 30. Potrebna širina preglednosti (b) u horizontalnim krivinama, varijanta 2

Stacionaža		P_z [m]	R [m]	b [m]
0+892.438	1+865.799	240	1700	4.23
2+265.799	4+050.361	240	1900	3.79
4+450.361	5+411.702	240	1600	4.50
5+811.702	6+408.918	240	1600	4.50
6+788.918	7+697.581	240	1600	4.50

Preglednost je u radu ispitana za oba smjera kretanja duž cijele trase. Na nekim mjestima nije zadovoljena tražena preglednost zbog usjeka ili zasjeka u zavojima koji zaklanjaju pogled vozačima te oni zbog toga nisu u stanju vidjeti što je iza krivine. U varijanti 1 za smjer Velika Pisanica-Sibenik preglednost je zadovoljena po cijeloj duljini. U suprotnom smjeru, Sibeni-Velika Pisanica, preglednost nije zadovoljena na dijelovima dionica krivina 3 i 4 zbog toga što je na tim dijelovima trase usjek i u tom smjeru krivine 3 i 4 su desne krivine. U varijanti 2 za smjer Velika Pisanica-Sibenik preglednost je zadovoljena po cijeloj duljini. U suprotnom smjeru, Sibeni-Velika Pisanica, preglednost nije zadovoljena na dijelovima dionica krivina 3 i 5 zbog toga što je na tim dijelovima trase usjek i u tom smjeru krivine 3 i 4 su desne krivine. U priložima od 9.1.1 do 9.2.2 dan je detaljan tablični prikaz rezultata ispitivanja preglednosti za obje varijante izvezen iz softvera OpenRoads. Na mjestima gdje preglednost nije zadovoljena potrebno je izvesti proširenje berme. Potrebno proširenje berme dobije se tako da se širina preglednosti b umanjuje za položaj oka vozača 1.5 m, rubni trak 0.5 m i početnu širinu berme 1.5 m. Dakle ispada da u varijanti 1 bermu u trećoj krivini treba proširiti za 1.00 m, a bermu u četvrtoj krivini treba proširiti za 0.50 m. U varijanti 2 berme za treću i petu krivinu treba proširiti za 1.00 m.

2.15. Iskaz količina

Prilikom izgradnje prometnice najveći dio troškova predstavljaju zemljani radovi odnosno izrada donjeg i gornjeg ustroja. Količine materijala potrebne za izgradnju trupa ceste i kolničke konstrukcije prikazane su u tablicama 31. i 32.

Tablica 31. Iskaz količina, varijanta 1

	VOLUMEN [m ³]		
	DC12	ŽC4002	nerazvrstana cesta
USJEK	276 224	1 147	14 177
NASIP	648 593	26 569	872
MNS	57 618	3 297	2 314
CNS	29 033	-	-
AC BASE	12 361	530	368
AC SURF	5354	257	178

Tablica 32. Iskaz količina, varijanta 2

	VOLUMEN [m ³]		
	DC12	ŽC4002	nerazvrstana cesta
USJEK	219 613	1 577	19 971
NASIP	656 626	23 328	970
MNS	57 614	3 454	2 483
CNS	29 081	-	-
AC BASE	12 382	555	395
AC SURF	5 363	269	191

3. Usporedba varijanti

3.1. Horizontalni i vertikalni elementi

Osi obje varijante u odnosu na okolinu ne razlikuju se mnogo u horizontalnom ni u vertikalnom smislu. U horizontalnom smislu razlika je u tome što varijanta 1 ima međupravce, što će omogućiti nešto brže putovanje duž dionicu. U vertikalnom smislu obje varijante na prvoj polovici trase su u visokom nasipu i imaju male uzdužne nagibe da zadovolje minimalne uvjete odvodnje, dok na drugoj polovici trase nailaze na nešto teži teren pa će u tom pogledu biti vrlo visokih usjeka. Što se tiče vrijednosti horizontalnih i vertikalnih elemenata, one za projektnu brzinu zadovoljavaju minimalne zahtijevane vrijednosti te ih znatno i premašuju. U tablici 33 uspoređene su granične vrijednosti primijenjenih elemenata ceste.

Tablica 33. Usporedba vertikalnih i horizontalnih elemenata varijanti

		R _{hor} [m]	L _k [m]	L [m]	s [%]	R _{vert} [m]
Varijanta 1	minimalno	1500	514.070	170	0.50	16000
	maksimalno	1800	1307.506	200	1.09	22000
Varijanta 2	minimalno	1600	597.216	180	0.53	14000
	maksimalno	1900	1784.561	200	1.15	20000

3.2. Dužine preglednosti i proširenja berme

Obje varijante iziskuju istu dužinu preglednosti za zadanu projektnu brzinu i uzdužni nagib. U priložima 9.1.1, 9.1.2, 9.2.1, 9.2.2 vidimo na kojem dijelu i u kojem smjeru pojedina varijanta ne zadovoljava zahtijevanu dužinu preglednosti. Objе varijante u tom pogledu zadovoljavaju za smjer Velika Pisanica – Sibenik. U suprotnom smjeru, međutim, radi visokih usjeka ove dvije varijante ne zadovoljavaju zahtijevanu dužinu preglednosti. U tablici 34. dane su najmanje i najveće primijenjene vrijednosti proširenja berme po pojedinoj varijanti.

Tablica 34. Usporedba proširenja bermi

	Od stacionaže	Do stacionaže	Duljina [m]	R [m]	P _z [m]	Proširenje [m]
Varijanta 1	7+603.792	7+413.792	190	1800	240	0.50
Varijanta 1	5+303.792	5+013.792	290	1600	240	1.00
Varijanta 2	7+577.604	7+237.604	340	1600	240	1.00
Varijanta 2	5+407.604	5+027.604	380	1600	240	1.00

3.3. Odvodnja

Detaljna razrada odvodnje nije obuhvaćena ovim radom, ali se varijante ugrubo mogu usporediti poznavajući normalni poprečni presjek, vođenje osi i konfiguraciju terena. Kako je ranije navedeno, os kanalizacijske cijevi prati os ceste pa će prema tome duljina cijevi ovisiti o duljini ceste. Os kanalizacijske cijevi je izlomljena linija koja se sastoji od pravaca koji povezuju reviziona okna. Iz tog se da zaključiti da će ukupna duljina kanalizacijske cijevi za obje varijante biti tek nešto manja od dužine dionica. Duljine rigola, odnosno drenaža ovise uvelike o konfiguraciji terena (količina usjeka) i o tome je li cesta u pravcu ili u krivini. U pravcu i nasipu nema rigola i drenaža. U krivinama se rigol i drenaža nalaze između kolnika, u razdjelnom pojasu. Na dionicama u usjeku također se postavljaju rigoli i drenaže. U tablici 35 dane su duljine rigola/drenaža za pojedinu varijantu.

Tablica 35. Usporedba duljine rigola i drenaža

	Ukupna duljina rigola u usjeku [m]	Ukupna duljina rigola u razdjelnom pojasu [m]	Ukupna duljina rigola [m]
Varijanta 1	4 058.854	4 907.920	8 966.774
Varijanta 2	4 237.741	7 185.143	11 422.884

Ukupna duljina rigola i drenaža utjecati će na ukupan broj slivnika koje će biti potrebno ugraditi. Vidljivo je da će potrebni radovi za odvodnju varijante 2 biti opširniji. Razlika u dužini jaraka kod varijanti je zanemariva, a broj propusta je isti.

3.4. Zemljani radovi

Najveće troškove kod izgradnje ceste predstavljaju zemljani radovi te izrada nosivih slojeva i asfaltnog zastora. Duljine trasa se kod varijanti neznatno razlikuju, pa se i količine nosivih slojeva i asfaltnog zastora također ne razlikuju previše. Ukupan volumen pri izradi nasipa i usjeka za varijantu 1 iznosi 967582 m³, a za varijantu 2 iznosi 922085 m³. Obzirom da je duljina trase varijante 2 tek neznatno duža, a ukupna količina volumena zemljanih radova je manja za vrlo visokih 45 000 m³, sa sigurnošću se može zaključiti da je varijanta 2 u tom pogledu povoljnije rješenje. Sume količina po varijantama prikazane su u tablici 36.

Tablica 36. Suma količina po varijantama

	Usjek [m ³]	Nasip [m ³]	Kolnička konstrukcija [m ³]
Varijanta 1	291 548	676 034	111 310
Varijanta 2	241 161	680 924	111 787

4. Zaključak

Usporedbom varijanti vidi se sljedeće:

- Kod varijante 1 primijenjene su nešto manje vrijednosti horizontalnih elemenata (radijusi, prijelazne krivine) u odnosu na varijantu 2
- Primijenjene vrijednosti vertikalnih elemenata (radijusi) nešto su veće kod varijante 1
- Razlika u uzdužnim nagibima zanemariva je
- Duljina rigola i drenaža osjetno je veća kod varijante 2, a time i broj slivnika
- Količina radova uslijed proširenja bermi biti će osjetno manja kod varijante 1
- Razlika između količine usjeka i nasipa manja je kod varijante 1, što je povoljnije za poprečno i uzdužno izjednačavanje masa, međutim u obzir nije uzeto proširenje bermi pa će prema tome količina usjeka kod varijante 2 biti dodatno veća, a razlika između usjeka i nasipa manja
- Ukupna količina zemljanih radova znatno je manja kod varijante 2

U navedenim natuknicama vidi se da dosta čimbenika ide u korist varijante 1, ali najbitniji čimbenik, zemljani radovi, uvelike idu u korist varijante 2. To je zato što je varijanta 2 bolje prilagođena terenu i manje ga „siječe“. Razlika je ugrubo 45 tisuća kubnih metara.

Pretpostavi li se da jedan kamion može prevesti 20 kubnih metara, lako se dođe do brojke od 2250 kamiona. Dakle, zaključuje se da je varijanta 2 povoljnije rješenje.

5. Literatura

- [1] Inženjerski projektni zavod d.d., Studija o utjecaju na okoliš za zahvat: brza cesta DC12: čvorište Vrbovec 2 (DC10) – Bjelovar – Virovitica – GP Terezino Polje (granica R. Mađarske); dionica: Bjelovar – Virovitica – čvor Terezino Polje (DC5)
- [2] Zavod za prostorno uređenje Bjelovarsko – bilogorske županije, V. Izmjene i dopune prostornog plana Bjelovarsko – bilogorske županije, Knjiga I., 2019.
- [3] OpenStreetMap (2024): <https://www.openstreetmap.org/#map=13/45.8111/17.1258> (pristupljeno 22.01.2024.
- [4] Pravilnik o osnovnim uvjetima kojima javne ceste izvan naselja i njihovi elementi moraju udovoljavati sa stajališta sigurnosti prometa, NN 110/01
- [5] Korlaet, Ž.; Dragčević, V.: Projektiranje i građenje cesta, Zagreb, 2018.
- [6] Stančerić, I., Upute za rad u računalnom programu OpenRoads Designer, Građevinski fakultet Sveučilišta u Zagrebu, Zagreb, 2020.
- [7] Stančerić, I.; Ahac, S; Džambas, T., Donji ustroj prometnica, Skripta za vježbe, 2020.

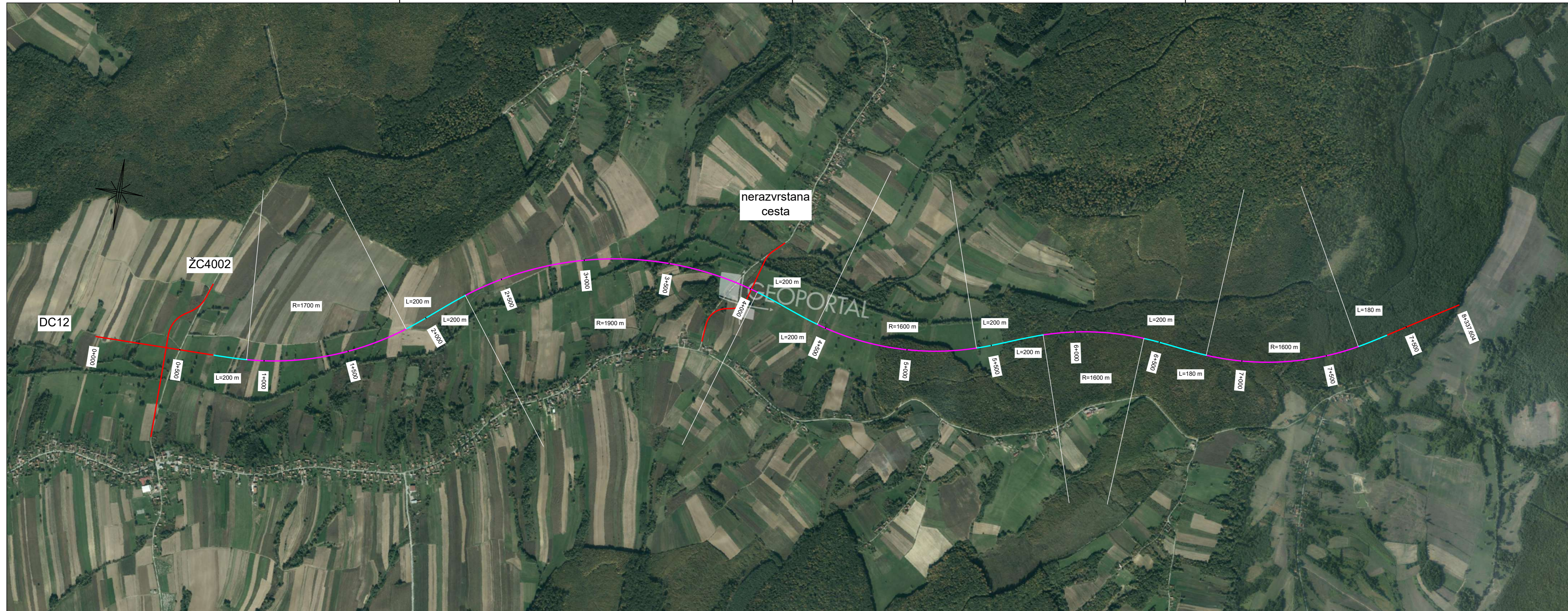
6. Popis priloga

Br. Priloga	Naziv priloga	Mjerilo
1.1	Pregledna situacija [varijanta 1]	1:12500
1.2	Pregledna situacija [varijanta 2]	1:12500
2.1.1	Situacija - os DC12 - 0+000.000 - 1+800.000 [varijanta 1]	1:2500
2.1.2	Situacija - os DC12 - 1+800.000 - 3+600.000 [varijanta 1]	1:2500
2.1.3	Situacija - os DC12 - 3+600.000 - 5+400.000 [varijanta 1]	1:2500
2.1.4	Situacija - os DC12 - 5+400.000 - 7+200.000 [varijanta 1]	1:2500
2.1.5	Situacija - os DC12 - 7+200.000 - 8+323.792 [varijanta 1]	1:2500
2.2.1	Situacija - os DC12 - 0+000.000 - 1+800.000 [varijanta 2]	1:2500
2.2.2	Situacija - os DC12 - 1+800.000 - 3+700.000 [varijanta 2]	1:2500
2.2.3	Situacija - os DC12 - 3+700.000 - 5+500.000 [varijanta 2]	1:2500
2.2.4	Situacija - os DC12 - 5+500.000 - 7+300.000 [varijanta 2]	1:2500
2.2.5	Situacija - os DC12 - 7+300.000 - 8+337.604 [varijanta 2]	1:2500
3.1.1	Situacija - os ŽC4002 - 0+000.000 - 0+975.702 [varijanta 1]	1:2500
3.1.2	Situacija - os nerazvrstane ceste - 0+000.000 - 0+758.166 [varijanta 1]	1:2500
3.2.1	Situacija - os ŽC4002 - 0+000.000 - 1+019.983 [varijanta 2]	1:2500
3.2.2	Situacija - os nerazvrstane ceste - 0+000.000 - 0+813.228 [varijanta 2]	1:2500
4.1.1	Uzdužni profil – os DC12 - 0+000.000 - 2+800.000 [varijanta 1]	1:5000/500
4.1.2	Uzdužni profil - os DC12 - 2+800.000 - 5+600.000 [varijanta 1]	1:5000/500
4.1.3	Uzdužni profil - os DC12 - 5+600.000 - 8+323.792 [varijanta 1]	1:5000/500
4.2.1	Uzdužni profil - os DC12 - 0+000.000 - 2+800.000 [varijanta 2]	1:5000/500
4.2.2	Uzdužni profil - os DC12 - 2+800.000 - 5+600.000 [varijanta 2]	1:5000/500
4.2.3	Uzdužni profil - os DC12 - 5+600.000 - 8+339.539 [varijanta 2]	1:5000/500
5.1.1	Uzdužni profil – jarak L - 0+000.000 - 1+990.374 [varijanta 1]	1:5000/500
5.1.2	Uzdužni profil – jarak D - 0+000.000 - 2+011.183 [varijanta 1]	1:5000/500
5.2.1	Uzdužni profil – jarak L - 0+000.000 - 1+990.229 [varijanta 2]	1:5000/500
5.2.2	Uzdužni profil – jarak D - 0+000.000 – 2+013.010 [varijanta 2]	1:5000/500
6.1.1	Uzdužni profil – os ŽC4002 - 0+000.000 - 0+975.702 [varijanta 1]	1:2000/200
6.1.2	Uzdužni profil - os nerazvrstane ceste -0+000.000-0+758.166 [varijanta 1]	1:2000/200
6.2.1	Uzdužni profil – os ŽC4002 - 0+000.000 - 1+019.983 [varijanta 2]	1:2000/200
6.2.2	Uzdužni profil - os nerazvrstane ceste -0+000.000-0+813.228 [varijanta 2]	1:2000/200
7.1	Normalni poprečni profil – DC12 u pravcu	1:100
7.2	Normalni poprečni profil – DC12 u krivini	1:100
7.3.1	Normalni poprečni profil – DC12 – nasip > 5m	1:50
7.3.2	Normalni poprečni profil – DC12 – usjek > 5m	1:50

Br. Priloga	Naziv priloga	Mjerilo
7.4	Normalni poprečni profil – ŽC4002	1:100
7.5	Normalni poprečni profil – nerazvrstana cesta	1:100
8.1.1	DC12 – Karakteristični poprečni profili - 2+100.000, 2+700.000, 3+200.000, 4+400.000 [varijanta 1]	1:200
8.1.2	DC12 – Karakteristični poprečni profili - 4+900.000, 5+800.000, 6+650.000, 6+700.000 [varijanta 1]	1:200
8.1.3	DC12–Karakteristični poprečni profili - 7+300.000, 8+300.000 [varijanta 1]	1:200
8.1.4	DC12 – Karakteristični poprečni profil s propustom – 0+998.930 [varijanta 1]	1:100
8.2.1	DC12 – Karakteristični poprečni profili - 2+200.000, 2+300.000, 2+750.000, 3+500.000 [varijanta 2]	1:200
8.2.2	DC12 – Karakteristični poprečni profili - 4+050.000, 4+800.000, 5+100.000, 5+650.000 [varijanta 2]	1:200
8.2.3	DC12–Karakteristični poprečni profili - 7+200.000, 7+650.000 [varijanta 2]	1:200
8.2.4	DC12 – Karakteristični poprečni profil s propustom – 0+996.893 [varijanta 2]	1:100
9.1.1	DC12 – preglednost za smjer Velika pisanica – Sibenik [varijanta 1]	
9.1.2	DC12 – preglednost za smjer Sibenik – Velika Pisanica [varijanta 1]	
9.2.1	DC12 – preglednost za smjer Velika pisanica – Sibenik [varijanta 2]	
9.2.2	DC12 – preglednost za smjer Sibenik – Velika Pisanica [varijanta 2]	



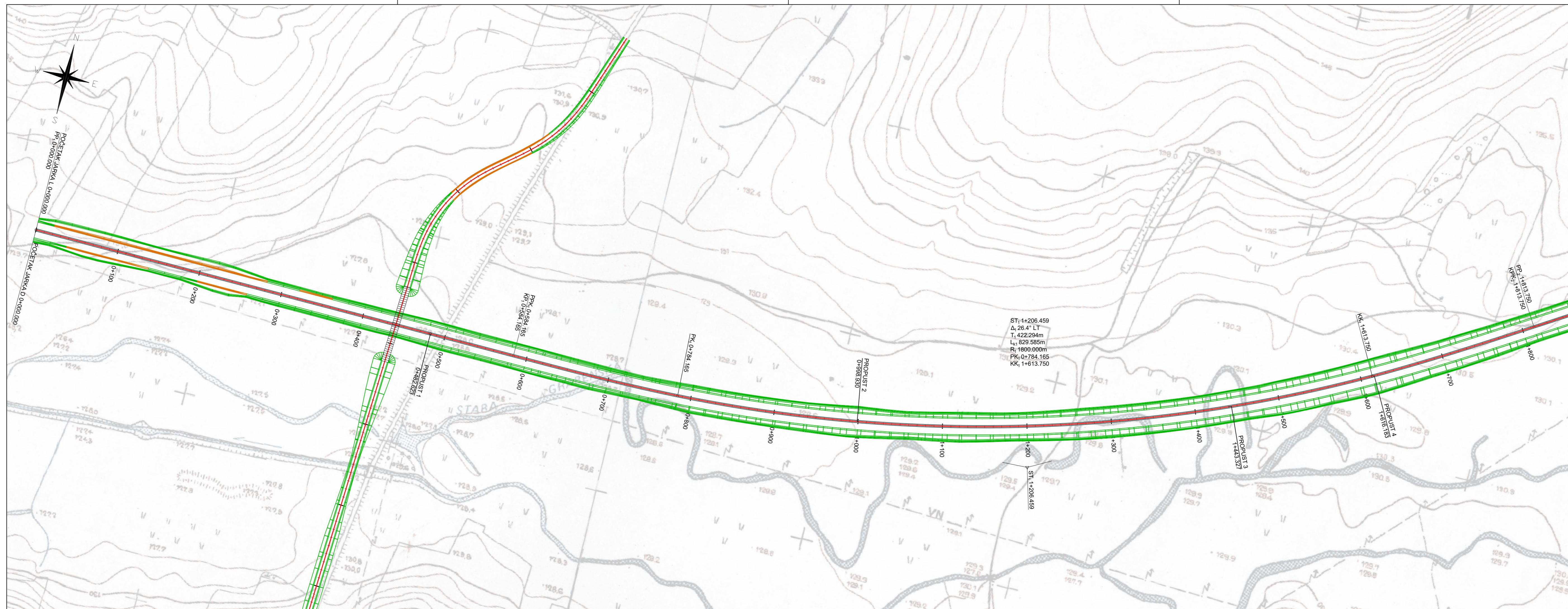
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Pregledna situacija DC 12 [varijanta 1] 0+000.000 - 8+323.792	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:12500	Br.pr.: 1.1
Izradio: Valentino Mrzović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



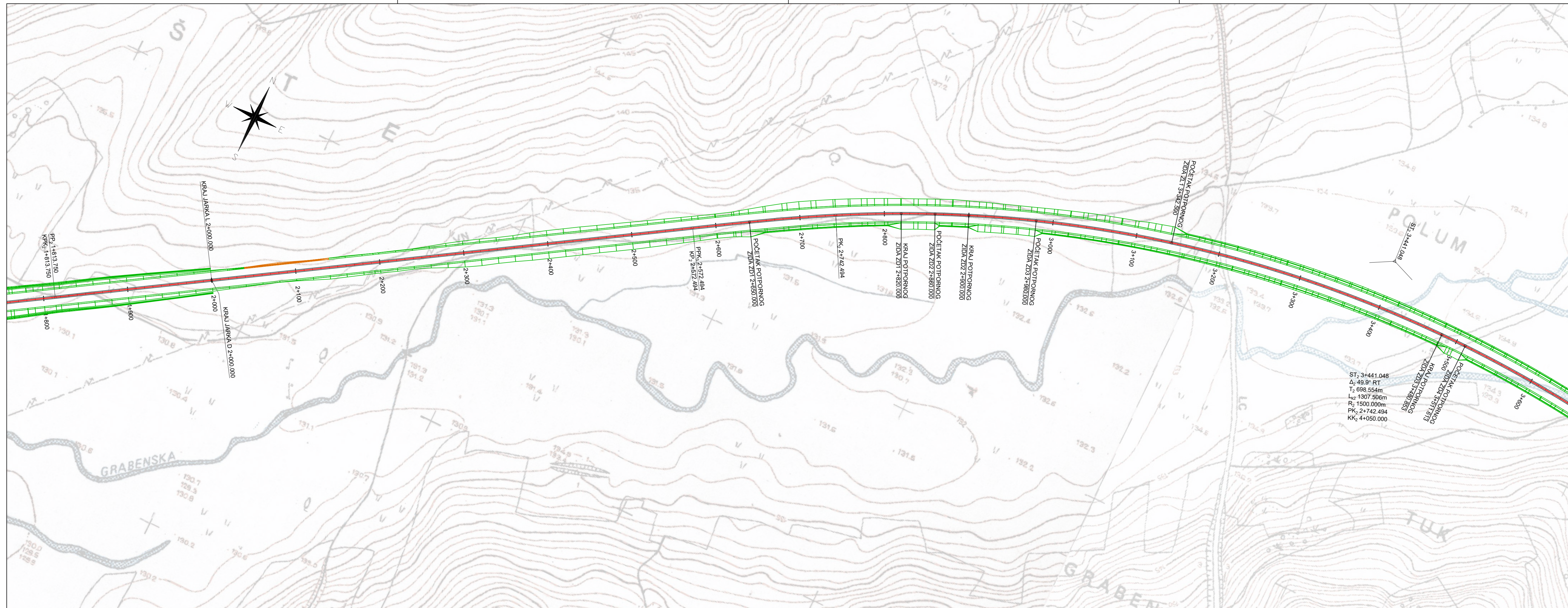
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

DIPLOMSKI RAD

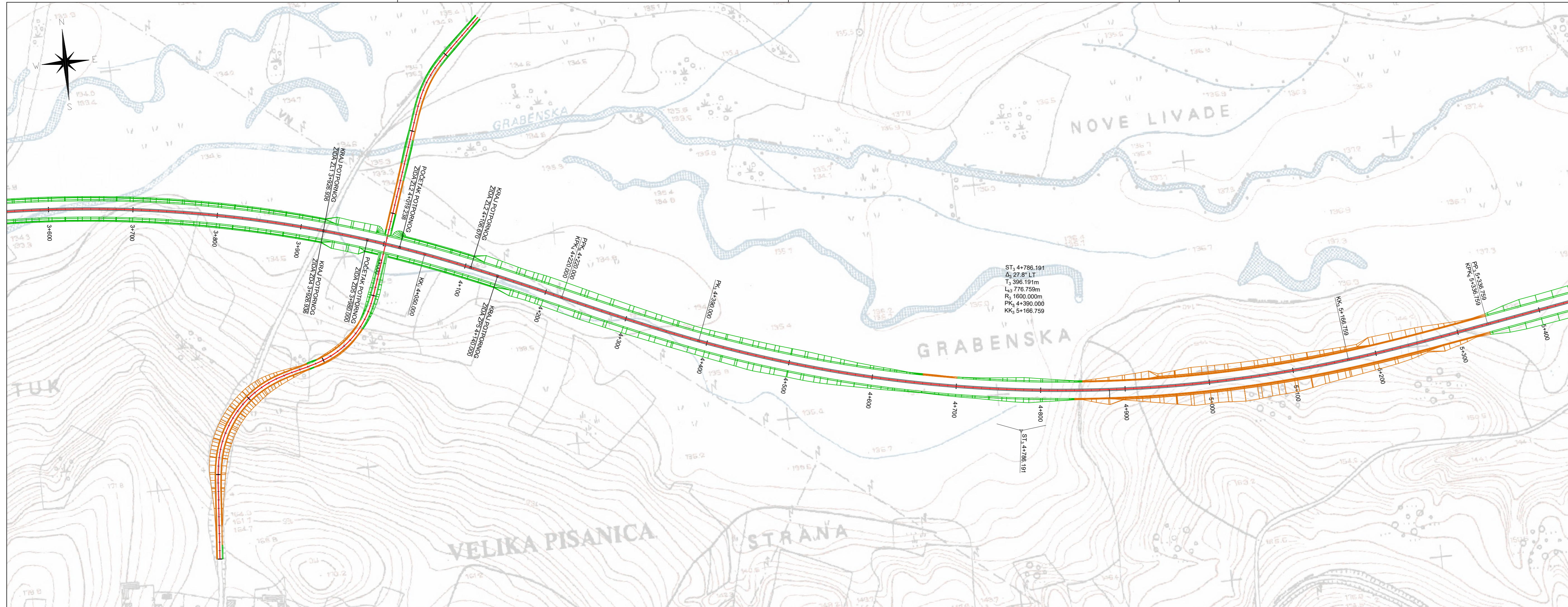
Prilog: Pregledna situacija DC 12 [varijanta 2] 0+000.000 - 8+337.604	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:12500	Br.pr.: 1.2
Izradio: Valentino Mrzović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 1] 0+000.000 - 1+800.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.1.1
Izradio: Valentino Mrazović, 0082053619	
Mentor: Izv. prof. dr. sc. Ivica Stančić	

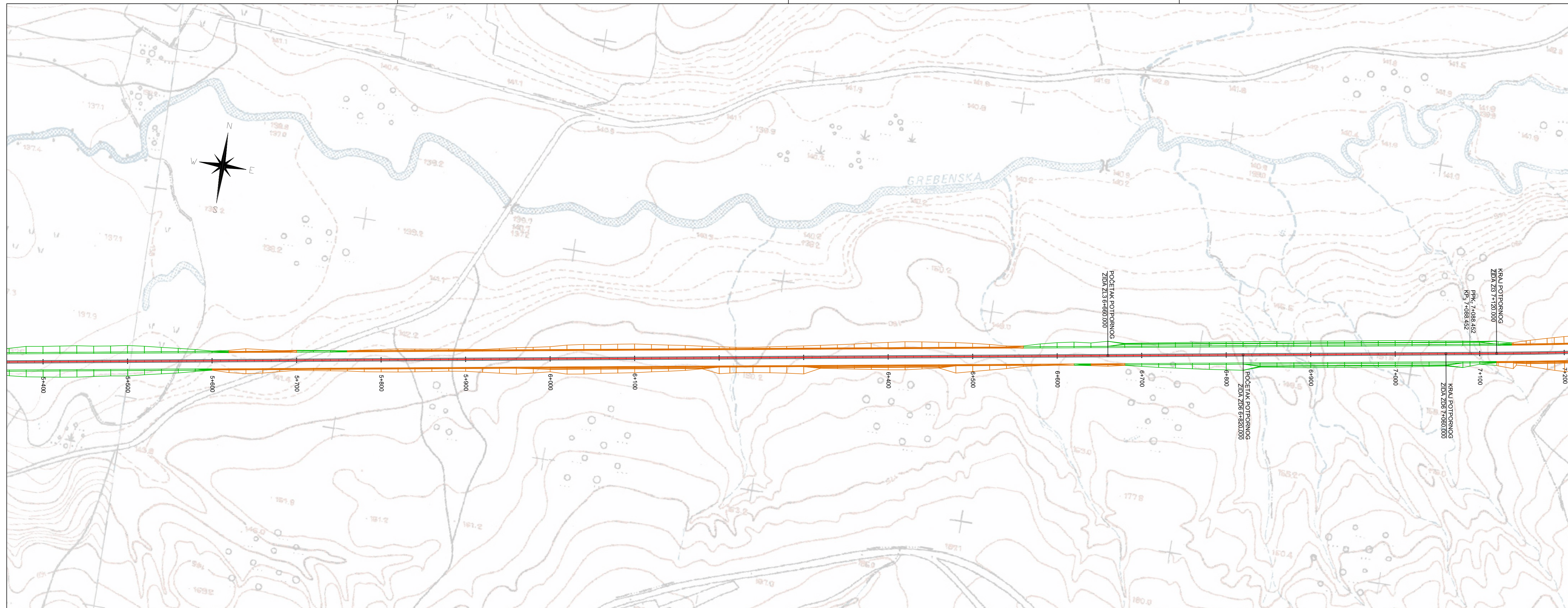


GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 1] 1+800.000 - 3+600.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.1.2
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančić

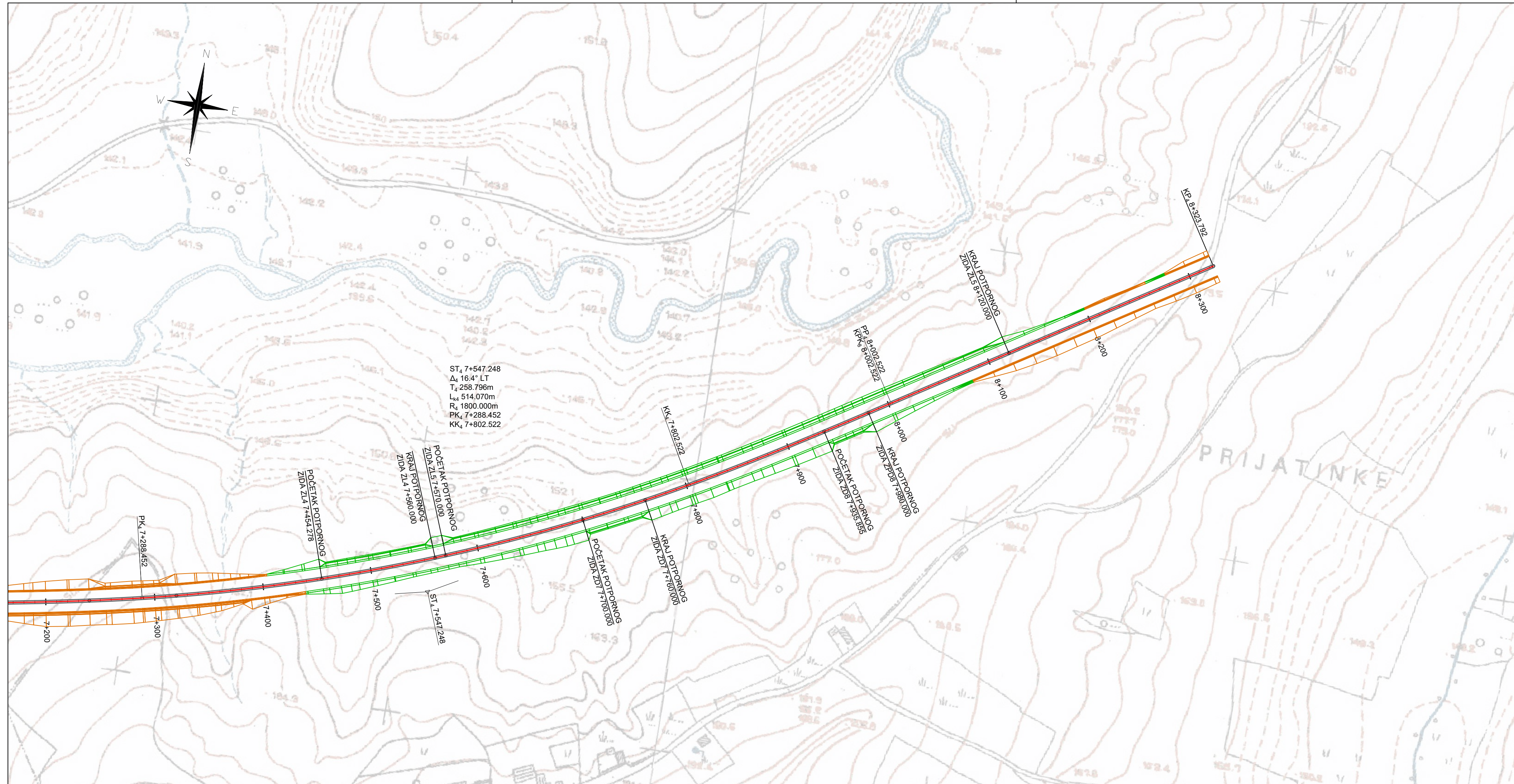


ST₁ 4+786.191
 Δ_1 27.8° LT
 T₁ 396.191m
 L₁ 776.759m
 R₁ 1600.000m
 PK₁ 4+390.000
 KK₁ 5+166.759

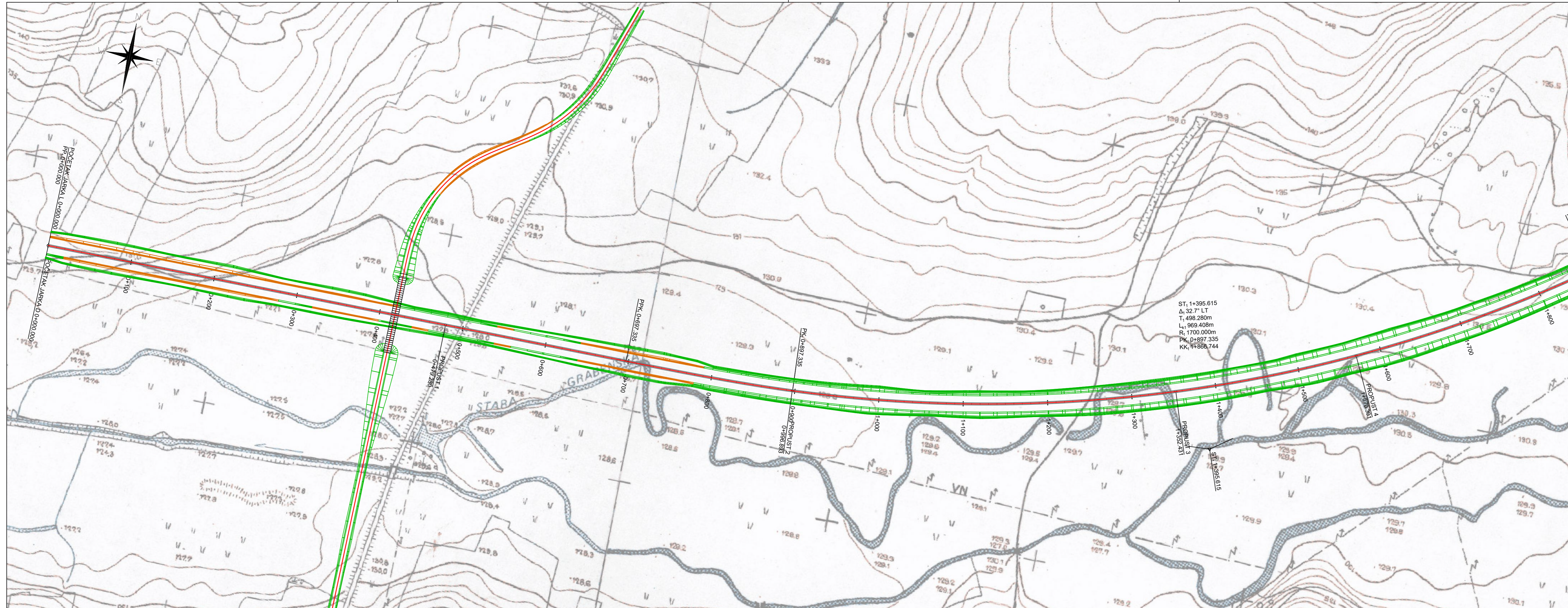
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 1] 3+600.000 - 5+400.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.1.3
Izradio: Valentino Mrzović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančić



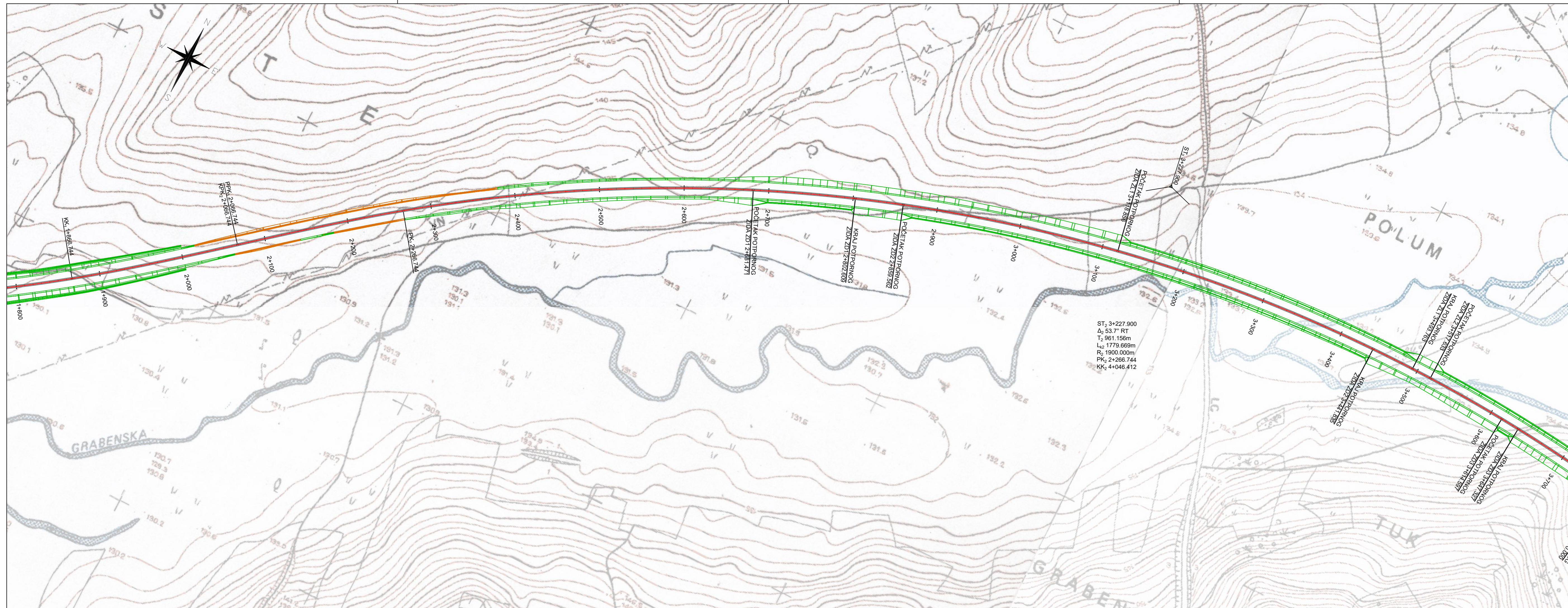
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 1] 5+400.000 - 7+200.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.1.4
Izradio: Valentino Mrazović, 0082053619	
Mentor: Izv. prof. dr. sc. Ivica Stančić	



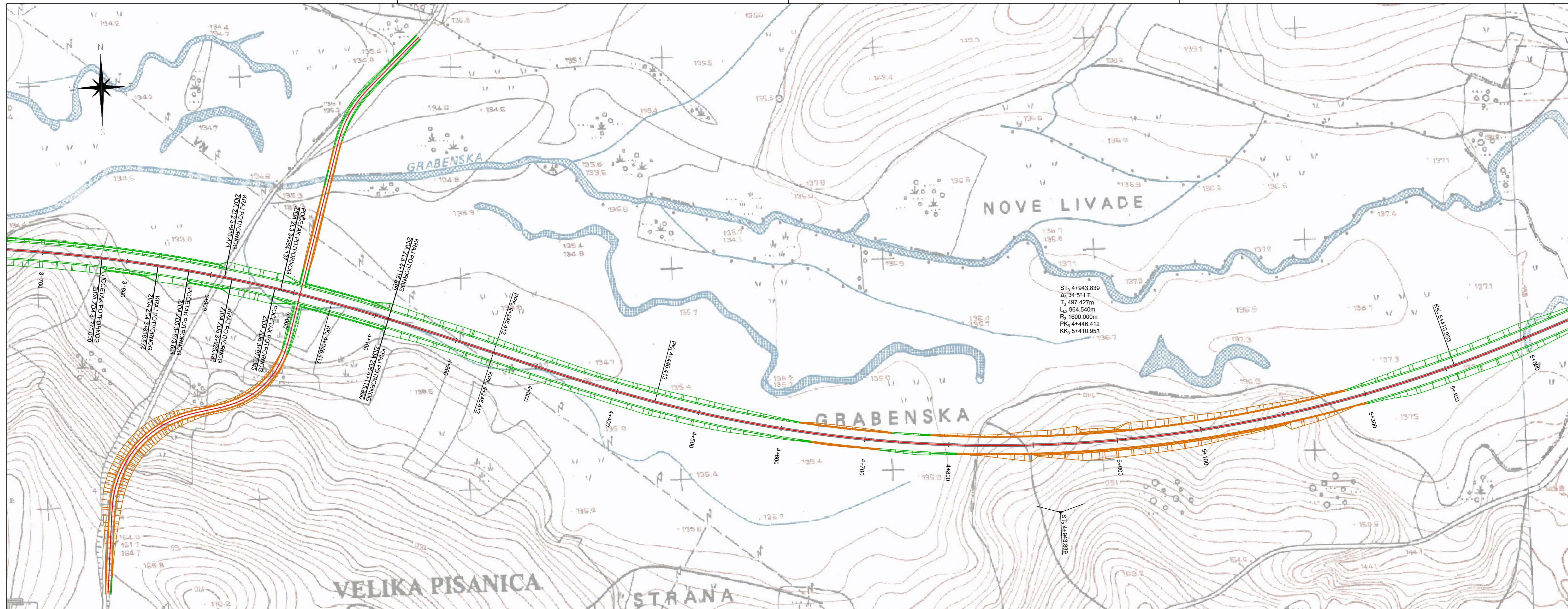
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 1] 7+200.000 - 8+323.792	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.1.5
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



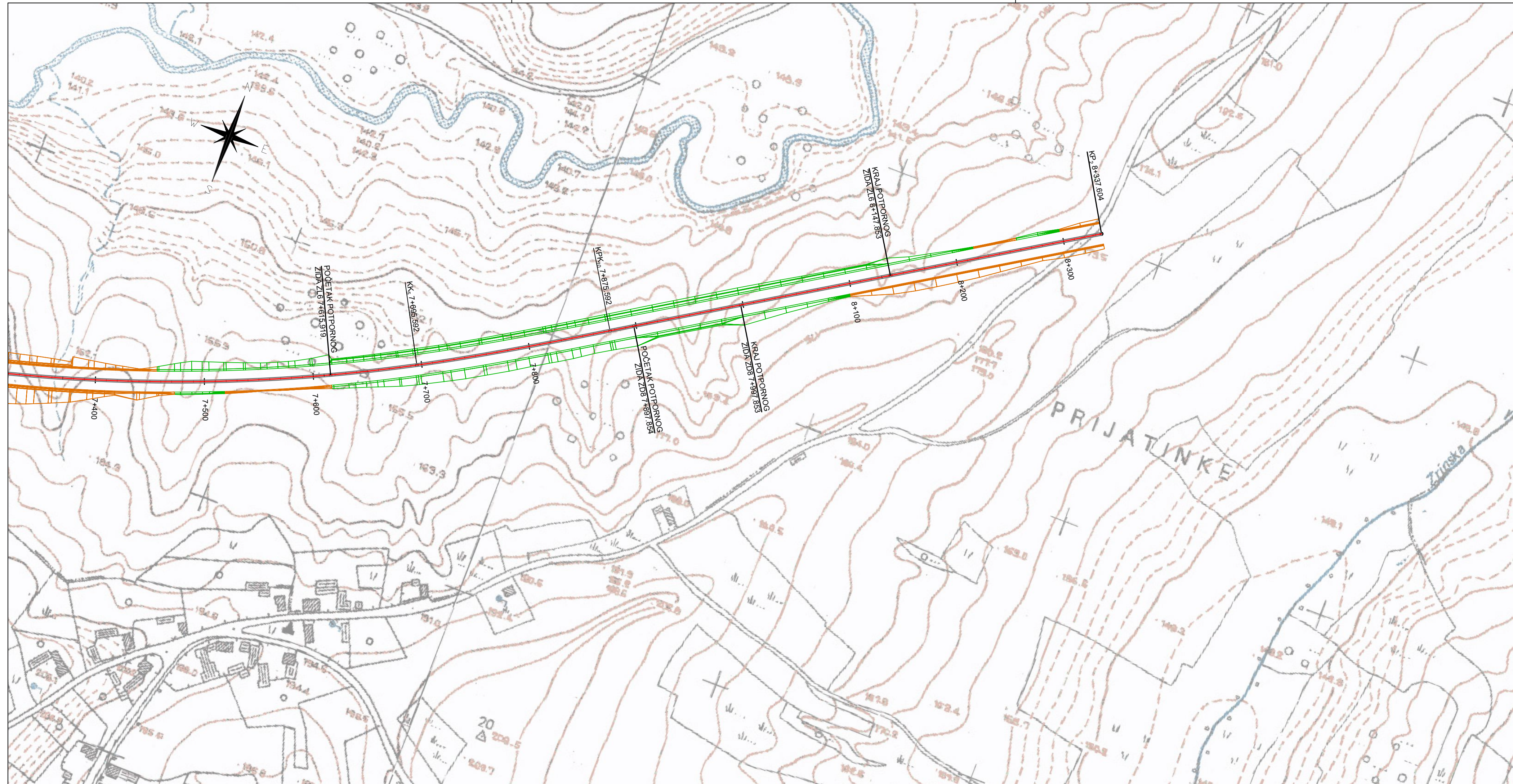
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 2] 0+000,000 - 1+800,000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.2.1
Izradio: Valentino Mrzović, 0082053619	
Mentor: Izv. prof. dr. sc. Ivica Stančević	



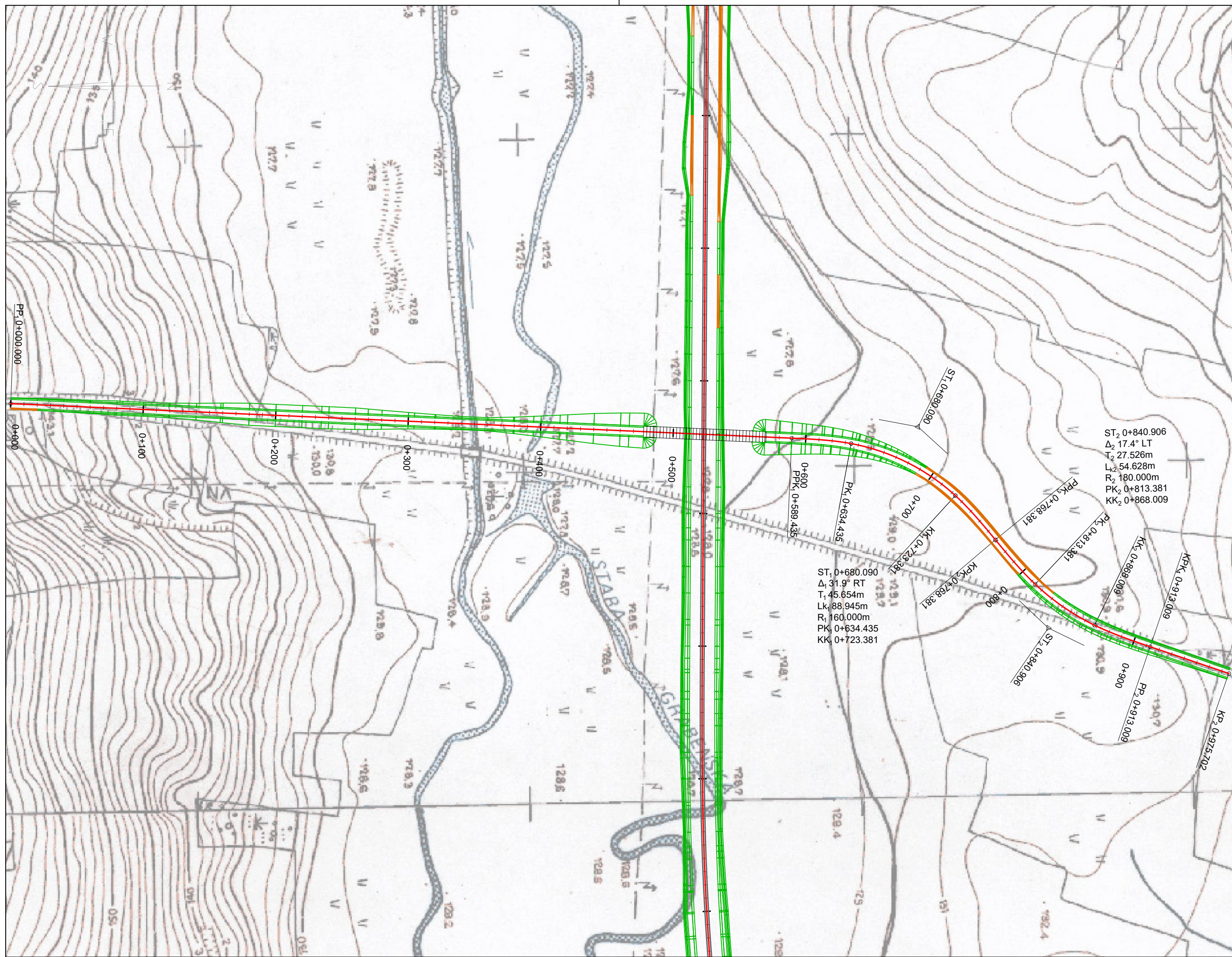
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 2] 1+800.000 - 3+700.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.2.2
Izradio: Valentino Mrzović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančević



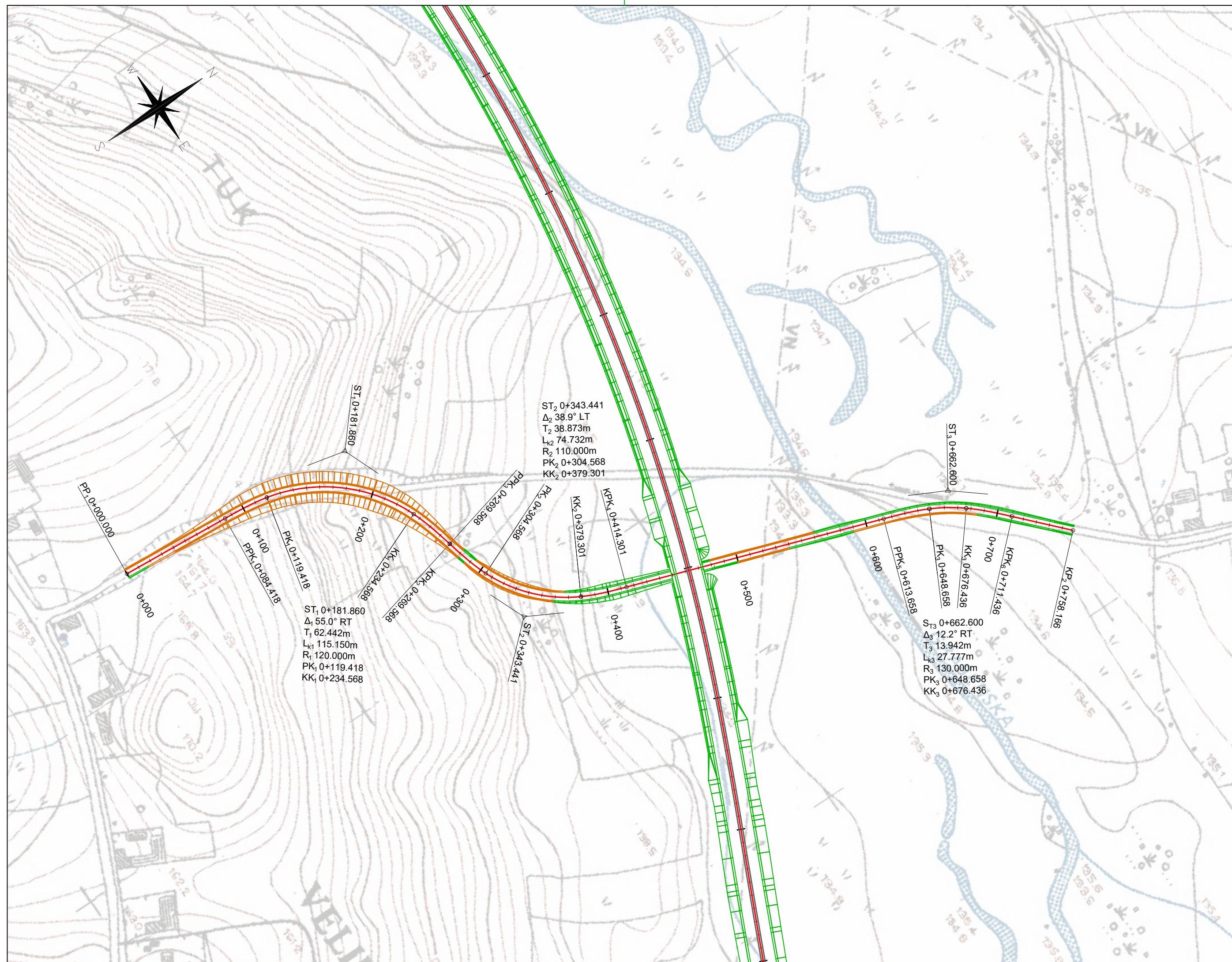
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 2] 3+700.000 - 5+500.000	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.2.3
Izradio: Valentino Mrazović, 0082053619	
Mentor: Ilica Stančević	



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija DC 12 [varijanta 2] 7+300.000 - 8+337.604	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 2.2.5
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija ŽC 4002 [varijanta 1] 0+000.000 - 0+975.702	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 3.1.1
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

DIPLOMSKI RAD

Prilog: Situacija - os nerazvrstane ceste
[varijanta 1] 0+000.000 - 0+758.166

Predano: veljača 2024.

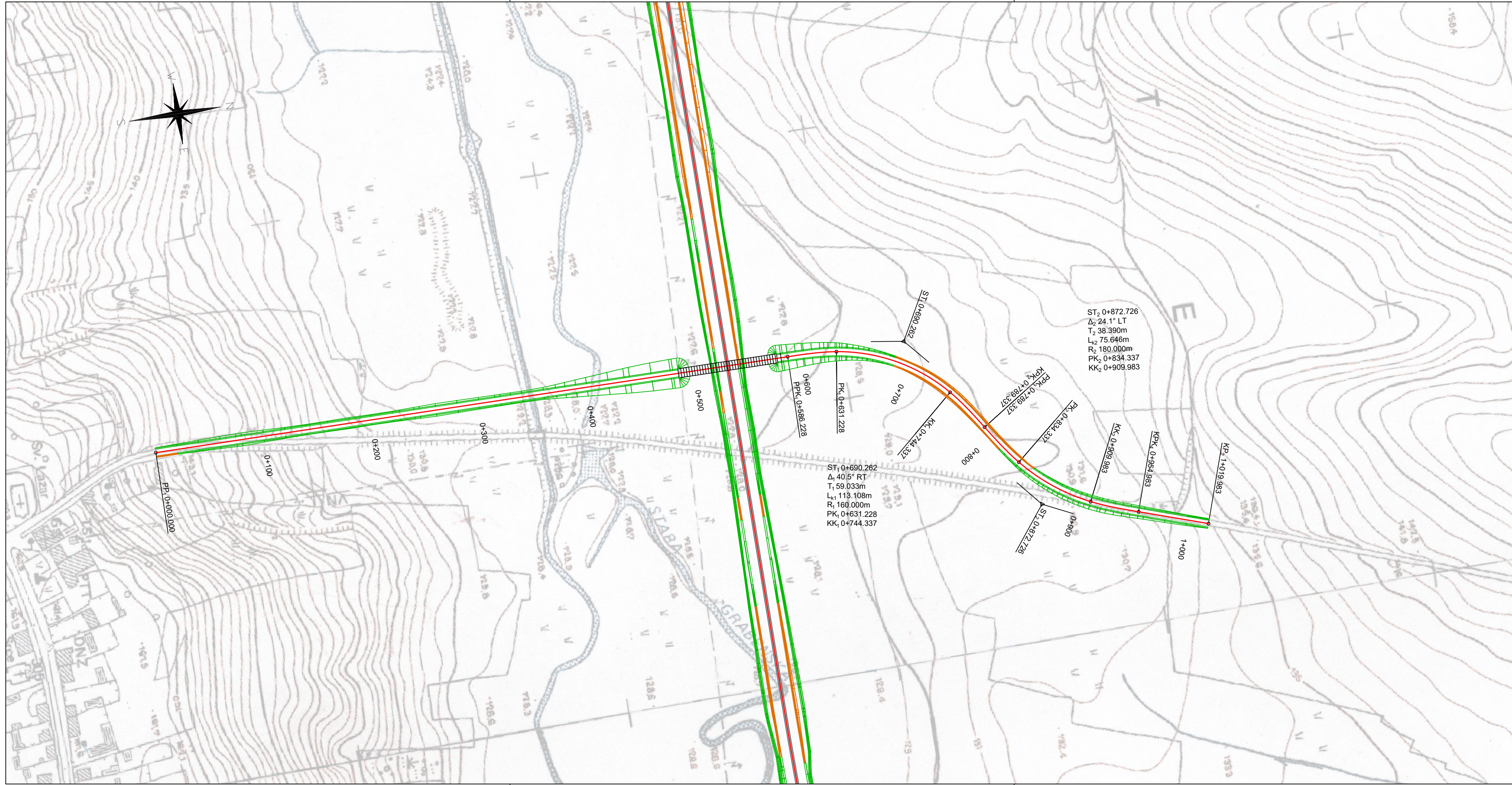
Rok pred.: veljača 2024.

Mjerilo: 1:2500

Br.pr.:3.1.2

Izradio: Valentino Mrazović,
0082053619

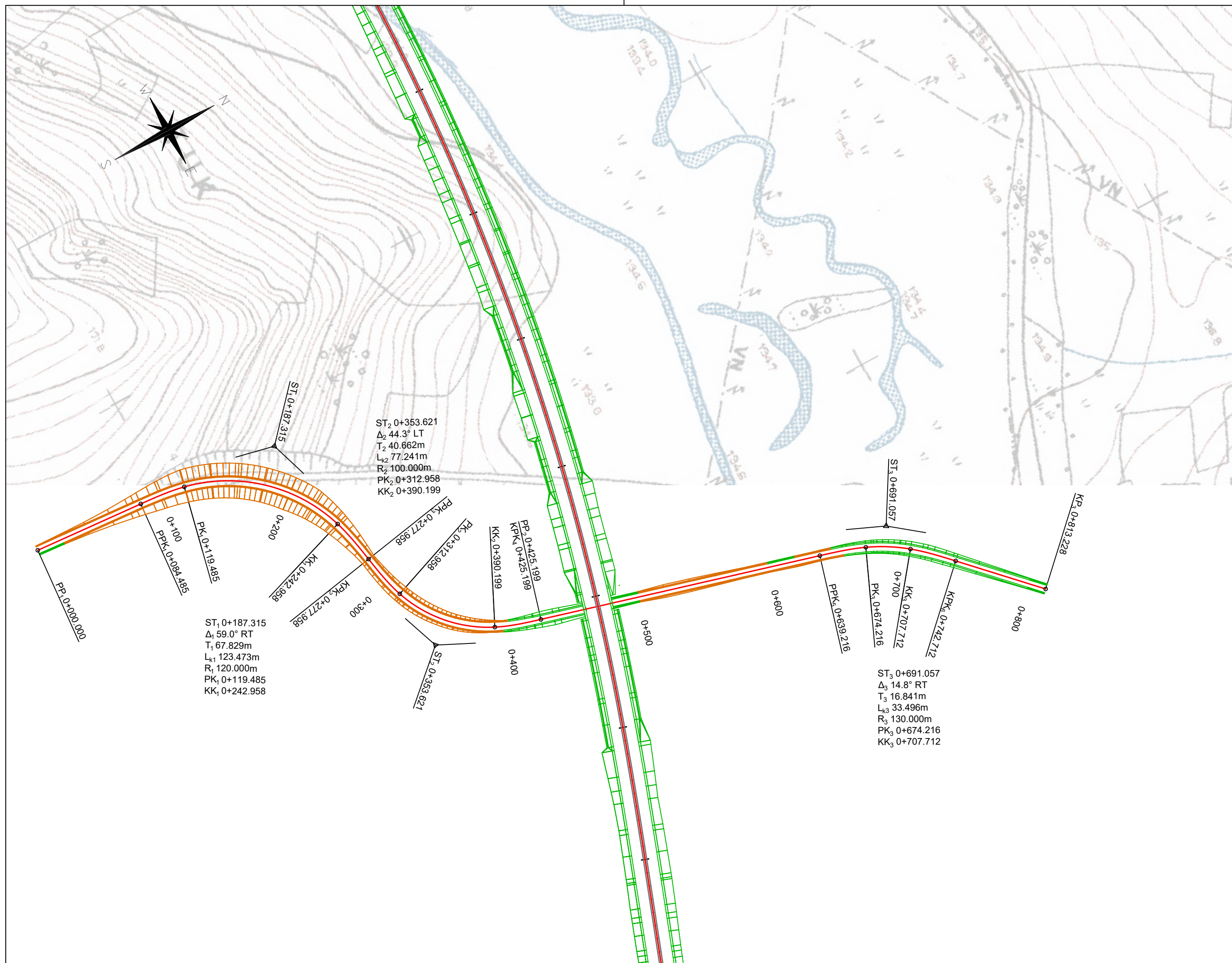
Mentor:
Izv. prof. dr. sc.
Ivica Stančerić



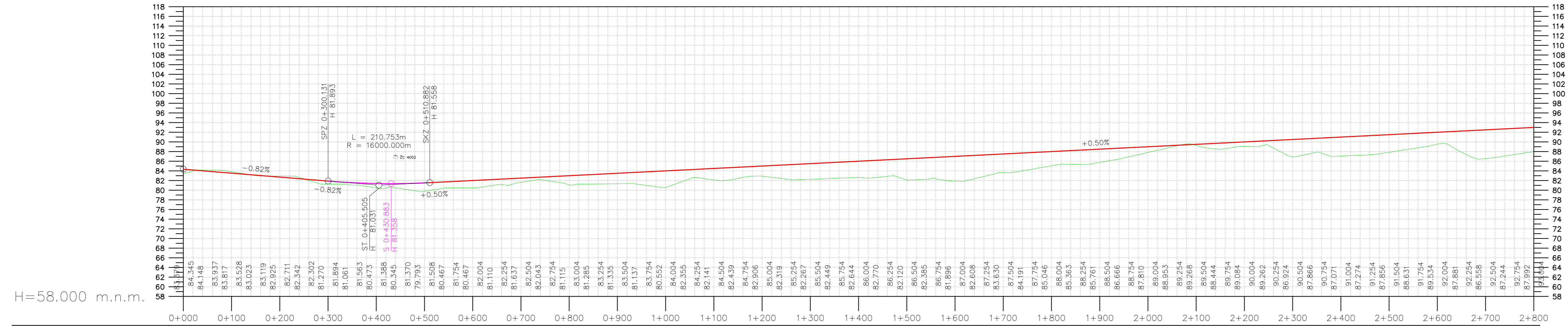
ST₂ 0+872.726
 Δ_2 24.1° LT
 T₂ 38.390m
 L₂ 75.646m
 R₂ 180.000m
 PK₂ 0+834.337
 KK₂ 0+909.983

ST₁ 0+690.262
 Δ_1 40.5° RT
 T₁ 59.033m
 L₁ 113.108m
 R₁ 160.000m
 PK₁ 0+631.228
 KK₁ 0+744.337

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija ŽC 4002 [varijanta 2] 0+000.000 - 1+019.983	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.:3.2.1
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić

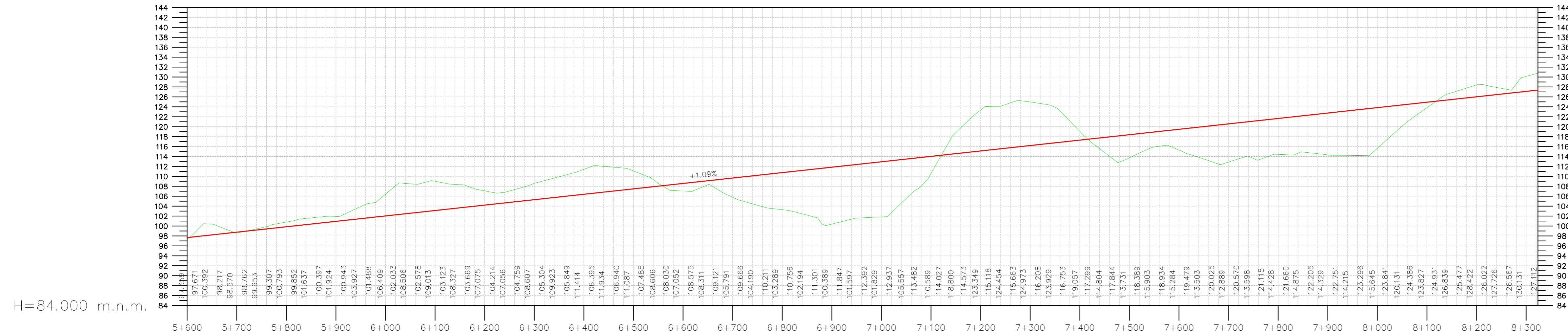


GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Situacija - os nerazvrstane ceste [varijanta 2] 0+000.000 - 0+813.228	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:2500	Br.pr.: 3.2.2
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić

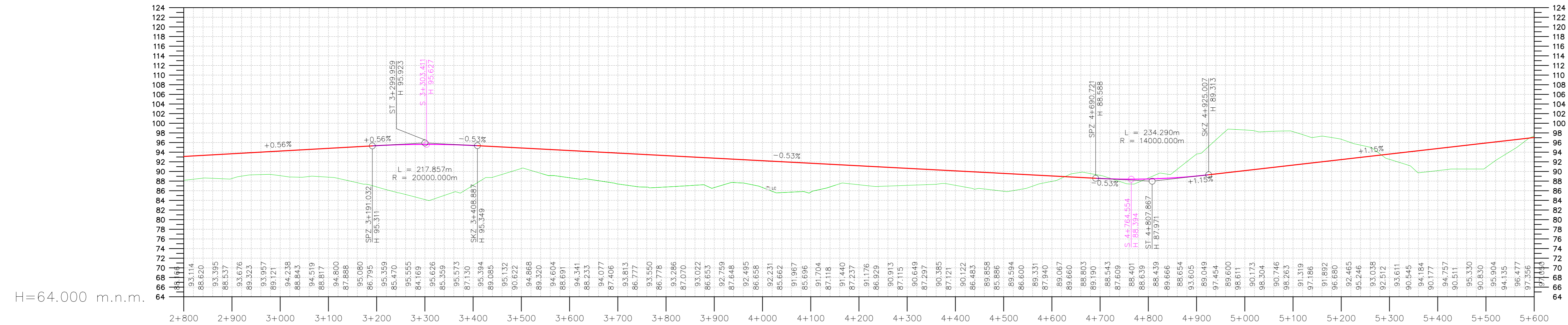


H=58.000 m.n.m.

Vertikalni elementi	
Stacionaza	0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520 0+540 0+560 0+580 0+600 0+620 0+640 0+660 0+680 0+700 0+720 0+740 0+760 0+780 0+800 0+820 0+840 0+860 0+880 0+900 0+920 0+940 0+960 0+980 1+000 1+020 1+040 1+060 1+080 1+100 1+120 1+140 1+160 1+180 1+200 1+220 1+240 1+260 1+280 1+300 1+320 1+340 1+360 1+380 1+400 1+420 1+440 1+460 1+480 1+500 1+520 1+540 1+560 1+580 1+600 1+620 1+640 1+660 1+680 1+700 1+720 1+740 1+760 1+780 1+800 1+820 1+840 1+860 1+880 1+900 1+920 1+940 1+960 1+980 2+000 2+020 2+040 2+060 2+080 2+100 2+120 2+140 2+160 2+180 2+200 2+220 2+240 2+260 2+280 2+300 2+320 2+340 2+360 2+380 2+400 2+420 2+440 2+460 2+480 2+500 2+520 2+540 2+560 2+580 2+600 2+620 2+640 2+660 2+680 2+700 2+720 2+740 2+760 2+780 2+800
Kote nivelete	84.345 84.182 84.018 83.855 83.692 83.528 83.365 83.201 83.038 82.874 82.711 82.547 82.384 82.221 82.057 81.894 81.730 81.567 81.403 81.240 81.076 80.913 80.750 80.586 80.423 80.260 80.096 79.933 79.770 79.606 79.443 79.280 79.116 78.953 78.790 78.626 78.463 78.300 78.136 77.973 77.810 77.646 77.483 77.320 77.156 77.000 76.840 76.680 76.520 76.360 76.200 76.040 75.880 75.720 75.560 75.400 75.240 75.080 74.920 74.760 74.600 74.440 74.280 74.120 73.960 73.800 73.640 73.480 73.320 73.160 73.000 72.840 72.680 72.520 72.360 72.200 72.040 71.880 71.720 71.560 71.400 71.240 71.080 70.920 70.760 70.600 70.440 70.280 70.120 70.000
Kote terena	83.379 83.991 84.151 84.145 83.692 83.817 83.500 83.182 83.201 83.038 82.934 82.925 82.917 82.908 82.899 82.890 82.881 82.872 82.863 82.854 82.845 82.836 82.827 82.818 82.809 82.800 82.791 82.782 82.773 82.764 82.755 82.746 82.737 82.728 82.719 82.710 82.701 82.692 82.683 82.674 82.665 82.656 82.647 82.638 82.629 82.620 82.611 82.602 82.593 82.584 82.575 82.566 82.557 82.548 82.539 82.530 82.521 82.512 82.503 82.494 82.485 82.476 82.467 82.458 82.449 82.440 82.431 82.422 82.413 82.404 82.395 82.386 82.377 82.368 82.359 82.350 82.341 82.332 82.323 82.314 82.305 82.296 82.287 82.278 82.269 82.260 82.251 82.242 82.233 82.224 82.215 82.206 82.197 82.188 82.179 82.170 82.161 82.152 82.143 82.134 82.125 82.116 82.107 82.098 82.089 82.080 82.071 82.062 82.053 82.044 82.035 82.026 82.017 82.008 81.999 81.990 81.981 81.972 81.963 81.954 81.945 81.936 81.927 81.918 81.909 81.900 81.891 81.882 81.873 81.864 81.855 81.846 81.837 81.828 81.819 81.810 81.801 81.792 81.783 81.774 81.765 81.756 81.747 81.738 81.729 81.720 81.711 81.702 81.693 81.684 81.675 81.666 81.657 81.648 81.639 81.630 81.621 81.612 81.603 81.594 81.585 81.576 81.567 81.558 81.549 81.540 81.531 81.522 81.513 81.504 81.495 81.486 81.477 81.468 81.459 81.450 81.441 81.432 81.423 81.414 81.405 81.396 81.387 81.378 81.369 81.360 81.351 81.342 81.333 81.324 81.315 81.306 81.297 81.288 81.279 81.270 81.261 81.252 81.243 81.234 81.225 81.216 81.207 81.198 81.189 81.180 81.171 81.162 81.153 81.144 81.135 81.126 81.117 81.108 81.099 81.090 81.081 81.072 81.063 81.054 81.045 81.036 81.027 81.018 81.009 81.000 79.991 79.982 79.973 79.964 79.955 79.946 79.937 79.928 79.919 79.910 79.901 79.892 79.883 79.874 79.865 79.856 79.847 79.838 79.829 79.820 79.811 79.802 79.793 79.784 79.775 79.766 79.757 79.748 79.739 79.730 79.721 79.712 79.703 79.694 79.685 79.676 79.667 79.658 79.649 79.640 79.631 79.622 79.613 79.604 79.595 79.586 79.577 79.568 79.559 79.550 79.541 79.532 79.523 79.514 79.505 79.496 79.487 79.478 79.469 79.460 79.451 79.442 79.433 79.424 79.415 79.406 79.397 79.388 79.379 79.370 79.361 79.352 79.343 79.334 79.325 79.316 79.307 79.298 79.289 79.280 79.271 79.262 79.253 79.244 79.235 79.226 79.217 79.208 79.199 79.190 79.181 79.172 79.163 79.154 79.145 79.136 79.127 79.118 79.109 79.100 79.091 79.082 79.073 79.064 79.055 79.046 79.037 79.028 79.019 79.010 79.001 78.992 78.983 78.974 78.965 78.956 78.947 78.938 78.929 78.920 78.911 78.902 78.893 78.884 78.875 78.866 78.857 78.848 78.839 78.830 78.821 78.812 78.803 78.794 78.785 78.776 78.767 78.758 78.749 78.740 78.731 78.722 78.713 78.704 78.695 78.686 78.677 78.668 78.659 78.650 78.641 78.632 78.623 78.614 78.605 78.596 78.587 78.578 78.569 78.560 78.551 78.542 78.533 78.524 78.515 78.506 78.497 78.488 78.479 78.470 78.461 78.452 78.443 78.434 78.425 78.416 78.407 78.398 78.389 78.380 78.371 78.362 78.353 78.344 78.335 78.326 78.317 78.308 78.299 78.290 78.281 78.272 78.263 78.254 78.245 78.236 78.227 78.218 78.209 78.200 78.191 78.182 78.173 78.164 78.155 78.146 78.137 78.128 78.119 78.110 78.101 78.092 78.083 78.074 78.065 78.056 78.047 78.038 78.029 78.020 78.011 78.002 77.993 77.984 77.975 77.966 77.957 77.948 77.939 77.930 77.921 77.912 77.903 77.894 77.885 77.876 77.867 77.858 77.849 77.840 77.831 77.822 77.813 77.804 77.795 77.786 77.777 77.768 77.759 77.750 77.741 77.732 77.723 77.714 77.705 77.696 77.687 77.678 77.669 77.660 77.651 77.642 77.633 77.624 77.615 77.606 77.597 77.588 77.579 77.570 77.561 77.552 77.543 77.534 77.525 77.516 77.507 77.498 77.489 77.480 77.471 77.462 77.453 77.444 77.435 77.426 77.417 77.408 77.399 77.390 77.381 77.372 77.363 77.354 77.345 77.336 77.327 77.318 77.309 77.300 77.291 77.282 77.273 77.264 77.255 77.246 77.237 77.228 77.219 77.210 77.201 77.192 77.183 77.174 77.165 77.156 77.147 77.138 77.129 77.120 77.111 77.102 77.093 77.084 77.075 77.066 77.057 77.048 77.039 77.030 77.021 77.012 77.003 76.994 76.985 76.976 76.967 76.958 76.949 76.940 76.931 76.922 76.913 76.904 76.895 76.886 76.877 76.868 76.859 76.850 76.841 76.832 76.823 76.814 76.805 76.796 76.787 76.778 76.769 76.760 76.751 76.742 76.733 76.724 76.715 76.706 76.697 76.688 76.679 76.670 76.661 76.652 76.643 76.634 76.625 76.616 76.607 76.598 76.589 76.580 76.571 76.562 76.553 76.544 76.535 76.526 76.517 76.508 76.499 76.490 76.481 76.472 76.463 76.454 76.445 76.436 76.427 76.418 76.409 76.400 76.391 76.382 76.373 76.364 76.355 76.346 76.337 76.328 76.319 76.310 76.301 76.292 76.283 76.274 76.265 76.256 76.247 76.238 76.229 76.220 76.211 76.202 76.193 76.184 76.175 76.166 76.157 76.148 76.139 76.130 76.121 76.112 76.103 76.094 76.085 76.076 76.067 76.058 76.049 76.040 76.031 76.022 76.013 76.004 75.995 75.986 75.977 75.968 75.959 75.950 75.941 75.932 75.923 75.914 75.905 75.896 75.887 75.878 75.869 75.860 75.851 75.842 75.833 75.824 75.815 75.806 75.797 75.788 75.779 75.770 75.761 75.752 75.743 75.734 75.725 75.716 75.707 75.698 75.689 75.680 75.671 75.662 75.653 75.644 75.635 75.626 75.617 75.608 75.599 75.590 75.581 75.572 75.563 75.554 75.545 75.536 75.527 75.518 75.509 75.500 75.491 75.482 75.473 75.464 75.455 75.446 75.437 75.428 75.419 75.410 75.401 75.392 75.383 75.374 75.365 75.356 75.347 75.338 75.329 75.320 75.311 75.302 75.293 75.284 75.275 75.266 75.257 75.248 75.239 75.230 75.221 75.212 75.203 75.194 75.185 75.176 75.167 75.158 75.149 75.140 75.131 75.122 75.113 75.104 75.095 75.086 75.077 75.068 75.059 75.050 75.041 75.032 75.023 75.014 75.005 75.000
Delta Z	-0.986m -0.191m 0.133m 0.291m 0.443m 0.289m 0.135m -0.019m -0.095m 0.214m 0.369m 0.268m -0.188m -0.645m -0.623m -0.475m -0.409m -0.457m -0.655m -0.915m -0.925m -0.865m -1.191m -1.543m -1.714m -1.501m -1.293m -1.337m -1.437m -1.537m -1.457m -1.248m -1.125m -1.218m -0.867m -0.657m -0.508m -0.912m -1.313m -1.899m -1.842m -1.927m -2.010m -2.090m -2.169m -2.245m -2.325m -2.428m -2.805m -3.179m -3.452m -2.835m -2.212m -1.708m -2.006m -2.363m -2.612m -2.467m -2.163m -2.014m -2.098m -2.435m -2.769m -3.100m -3.205m -3.237m -3.266m -3.293m -3.317m -3.339m -3.359m -3.625m -3.435m -3.633m -4.384m -4.433m -4.438m -4.423m -4.896m -5.107m -5.218m -4.837m -4.454m -4.070m -3.874m -3.920m -3.682m -3.442m -3.201m -2.958m -2.715m -2.824m -2.957m -2.986m -2.742m -2.499m -2.256m -1.909m -1.194m -0.837m -0.479m -0.122m 0.157m -0.236m -0.839m -1.153m -1.214m -1.004m -0.920m -1.087m -0.904m -1.565m -2.713m -3.580m -3.374m -3.050m -3.135m -3.914m -3.647m -3.857m -3.438m -3.228m -3.018m -2.809m -2.470m -2.506m -3.808m -4.914m -5.851m -5.946m -5.832m -5.615m -5.406m -5.206m -5.012m
Tlocrtni elementi	
Schema vitoperenja	

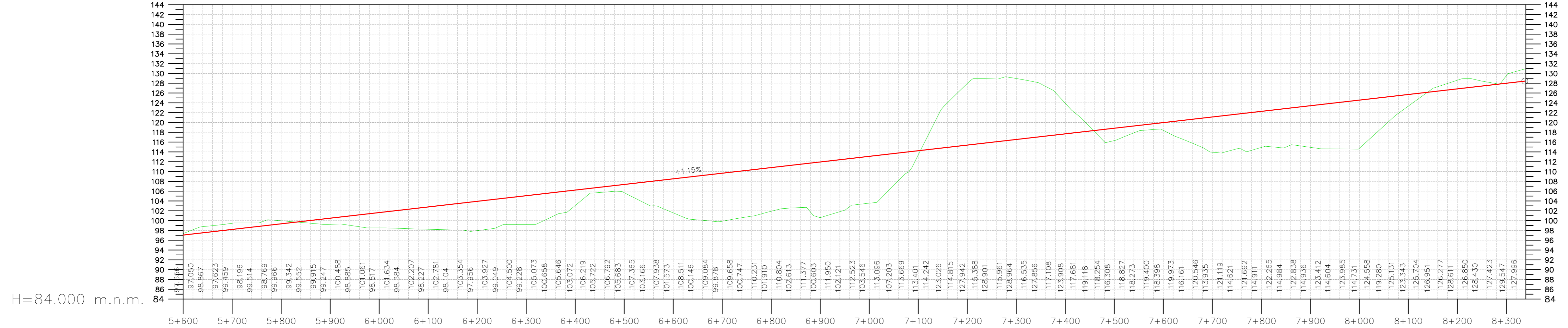


Vertikalni elementi	1.09%	
Stacionaza	5+600, 5+620, 5+640, 5+660, 5+680, 5+700, 5+720, 5+740, 5+760, 5+780, 5+800, 5+820, 5+840, 5+860, 5+880, 5+900, 5+920, 5+940, 5+960, 5+980, 6+000, 6+020, 6+040, 6+060, 6+080, 6+100, 6+120, 6+140, 6+160, 6+180, 6+200, 6+220, 6+240, 6+260, 6+280, 6+300, 6+320, 6+340, 6+360, 6+380, 6+400, 6+420, 6+440, 6+460, 6+480, 6+500, 6+520, 6+540, 6+560, 6+580, 6+600, 6+620, 6+640, 6+660, 6+680, 6+700, 6+720, 6+740, 6+760, 6+780, 6+800, 6+820, 6+840, 6+860, 6+880, 6+900, 6+920, 6+940, 6+960, 6+980, 7+000, 7+020, 7+040, 7+060, 7+080, 7+100, 7+120, 7+140, 7+160, 7+180, 7+200, 7+220, 7+240, 7+260, 7+280, 7+300, 7+320, 7+340, 7+360, 7+380, 7+400, 7+420, 7+440, 7+460, 7+480, 7+500, 7+520, 7+540, 7+560, 7+580, 7+600, 7+620, 7+640, 7+660, 7+680, 7+700, 7+720, 7+740, 7+760, 7+780, 7+800, 7+820, 7+840, 7+860, 7+880, 7+900, 7+920, 7+940, 7+960, 7+980, 8+000, 8+020, 8+040, 8+060, 8+080, 8+100, 8+120, 8+140, 8+160, 8+180, 8+200, 8+220, 8+240, 8+260, 8+280, 8+300, 8+320	
Kote nivelete	97.671, 97.890, 98.108, 98.326, 98.544, 98.762, 98.980, 99.198, 99.416, 99.634, 99.852, 100.070, 100.288, 100.506, 100.725, 100.943, 101.161, 101.379, 101.597, 101.815, 102.033, 102.251, 102.469, 102.687, 102.905, 103.123, 103.342, 103.560, 103.778, 103.996, 104.214, 104.432, 104.650, 104.868, 105.086, 105.304, 105.522, 105.740, 105.958, 106.177, 106.395, 106.613, 106.831, 107.049, 107.267, 107.485, 107.703, 107.921, 108.139, 108.357, 108.575, 108.794, 109.012, 109.230, 109.448, 109.666, 109.884, 110.102, 110.320, 110.538, 110.756, 110.974, 111.192, 111.410, 111.629, 111.847, 112.065, 112.283, 112.501, 112.719, 112.937, 113.155, 113.373, 113.591, 113.809, 114.027, 114.246, 114.464, 114.682, 114.900, 115.118, 115.336, 115.554, 115.772, 115.990, 116.208, 116.426, 116.644, 116.862, 117.081, 117.299, 117.517, 117.735, 117.953, 118.171, 118.389, 118.607, 118.825, 119.043, 119.261, 119.479, 119.698, 119.916	



H=64.000 m.n.m.

Vertikalni elementi	
Stacionaza	2+800 2+820 2+840 2+860 2+880 2+900 2+920 2+940 2+960 2+980 3+000 3+020 3+040 3+060 3+080 3+100 3+120 3+140 3+160 3+180 3+200 3+220 3+240 3+260 3+280 3+300 3+320 3+340 3+360 3+380 3+400 3+420 3+440 3+460 3+480 3+500 3+520 3+540 3+560 3+580 3+600 3+620 3+640 3+660 3+680 3+700 3+720 3+740 3+760 3+780 3+800 3+820 3+840 3+860 3+880 3+900 3+920 3+940 3+960 3+980 4+000 4+020 4+040 4+060 4+080 4+100 4+120 4+140 4+160 4+180 4+200 4+220 4+240 4+260 4+280 4+300 4+320 4+340 4+360 4+380 4+400 4+420 4+440 4+460 4+480 4+500 4+520 4+540 4+560 4+580 5+600
Kote nivelete	93.114 93.226 93.339 93.451 93.563 93.676 93.788 93.900 94.013 94.125 94.238 94.350 94.462 94.575 94.687 94.800 94.912 95.024 95.137 95.249 95.361 95.474 95.587 95.699 95.812 95.925 96.038 96.151 96.264 96.377 96.490 96.603 96.716 96.829 96.942 97.055 97.168 97.281 97.394 97.507 97.620 97.733 97.846 97.959 98.072 98.185 98.298 98.411 98.524 98.637 98.750 98.863 98.976 99.089 99.202 99.315 99.428 99.541 99.654 99.767 99.880 99.993 100.106 100.219 100.332 100.445 100.558 100.671 100.784 100.897 101.010 101.123 101.236 101.349 101.462 101.575 101.688 101.801 101.914 102.027 102.140 102.253 102.366 102.479 102.592 102.705 102.818 102.931 103.044 103.157 103.270 103.383 103.496 103.609 103.722 103.835 103.948 104.061 104.174 104.287 104.400 104.513 104.626 104.739 104.852 104.965 105.078 105.191 105.304 105.417 105.530 105.643 105.756 105.869 105.982 106.095 106.208 106.321 106.434 106.547 106.660 106.773 106.886 107.000 107.113 107.226 107.339 107.452 107.565 107.678 107.791 107.904 108.017 108.130 108.243 108.356 108.469 108.582 108.695 108.808 108.921 109.034 109.147 109.260 109.373 109.486 109.599 109.712 109.825 109.938 110.051 110.164 110.277 110.390 110.503 110.616 110.729 110.842 110.955 111.068 111.181 111.294 111.407 111.520 111.633 111.746 111.859 111.972 112.085 112.198 112.311 112.424 112.537 112.650 112.763 112.876 112.989 113.102 113.215 113.328 113.441 113.554 113.667 113.780 113.893 114.006 114.119 114.232 114.345 114.458 114.571 114.684 114.797 114.910 115.023 115.136 115.249 115.362 115.475 115.588 115.701 115.814 115.927 116.040 116.153 116.266 116.379 116.492 116.605 116.718 116.831 116.944 117.057 117.170 117.283 117.396 117.509 117.622 117.735 117.848 117.961 118.074 118.187 118.300 118.413 118.526 118.639 118.752 118.865 118.978 119.091 119.204 119.317 119.430 119.543 119.656 119.769 119.882 119.995 120.108 120.221 120.334 120.447 120.560 120.673 120.786 120.899 121.012 121.125 121.238 121.351 121.464 121.577 121.690 121.803 121.916 122.029 122.142 122.255 122.368 122.481 122.594 122.707 122.820 122.933 123.046 123.159 123.272 123.385 123.498 123.611 123.724 123.837 123.950 124.063 124.176 124.289 124.402 124.515 124.628 124.741 124.854 124.967 125.080 125.193 125.306 125.419 125.532 125.645 125.758 125.871 125.984 126.097 126.210 126.323 126.436 126.549 126.662 126.775 126.888 127.001 127.114 127.227 127.340 127.453 127.566 127.679 127.792 127.905 128.018 128.131 128.244 128.357 128.470 128.583 128.696 128.809 128.922 129.035 129.148 129.261 129.374 129.487 129.600 129.713 129.826 129.939 130.052 130.165 130.278 130.391 130.504 130.617 130.730 130.843 130.956 131.069 131.182 131.295 131.408 131.521 131.634 131.747 131.860 131.973 132.086 132.199 132.312 132.425 132.538 132.651 132.764 132.877 132.990 133.103 133.216 133.329 133.442 133.555 133.668 133.781 133.894 134.007 134.120 134.233 134.346 134.459 134.572 134.685 134.798 134.911 135.024 135.137 135.250 135.363 135.476 135.589 135.702 135.815 135.928 136.041 136.154 136.267 136.380 136.493 136.606 136.719 136.832 136.945 137.058 137.171 137.284 137.397 137.510 137.623 137.736 137.849 137.962 138.075 138.188 138.301 138.414 138.527 138.640 138.753 138.866 138.979 139.092 139.205 139.318 139.431 139.544 139.657 139.770 139.883 139.996 140.109 140.222 140.335 140.448 140.561 140.674 140.787 140.900 141.013 141.126 141.239 141.352 141.465 141.578 141.691 141.804 141.917 142.030 142.143 142.256 142.369 142.482 142.595 142.708 142.821 142.934 143.047 143.160 143.273 143.386 143.499 143.612 143.725 143.838 143.951 144.064 144.177 144.290 144.403 144.516 144.629 144.742 144.855 144.968 145.081 145.194 145.307 145.420 145.533 145.646 145.759 145.872 145.985 146.098 146.211 146.324 146.437 146.550 146.663 146.776 146.889 147.002 147.115 147.228 147.341 147.454 147.567 147.680 147.793 147.906 148.019 148.132 148.245 148.358 148.471 148.584 148.697 148.810 148.923 149.036 149.149 149.262 149.375 149.488 149.601 149.714 149.827 149.940 150.053 150.166 150.279 150.392 150.505 150.618 150.731 150.844 150.957 151.070 151.183 151.296 151.409 151.522 151.635 151.748 151.861 151.974 152.087 152.200 152.313 152.426 152.539 152.652 152.765 152.878 152.991 153.104 153.217 153.330 153.443 153.556 153.669 153.782 153.895 154.008 154.121 154.234 154.347 154.460 154.573 154.686 154.799 154.912 155.025 155.138 155.251 155.364 155.477 155.590 155.703 155.816 155.929 156.042 156.155 156.268 156.381 156.494 156.607 156.720 156.833 156.946 157.059 157.172 157.285 157.398 157.511 157.624 157.737 157.850 157.963 158.076 158.189 158.302 158.415 158.528 158.641 158.754 158.867 158.980 159.093 159.206 159.319 159.432 159.545 159.658 159.771 159.884 159.997 160.110 160.223 160.336 160.449 160.562 160.675 160.788 160.901 161.014 161.127 161.240 161.353 161.466 161.579 161.692 161.805 161.918 162.031 162.144 162.257 162.370 162.483 162.596 162.709 162.822 162.935 163.048 163.161 163.274 163.387 163.500 163.613 163.726 163.839 163.952 164.065 164.178 164.291 164.404 164.517 164.630 164.743 164.856 164.969 165.082 165.195 165.308 165.421 165.534 165.647 165.760 165.873 165.986 166.099 166.212 166.325 166.438 166.551 166.664 166.777 166.890 167.003 167.116 167.229 167.342 167.455 167.568 167.681 167.794 167.907 168.020 168.133 168.246 168.359 168.472 168.585 168.698 168.811 168.924 169.037 169.150 169.263 169.376 169.489 169.602 169.715 169.828 169.941 170.054 170.167 170.280 170.393 170.506 170.619 170.732 170.845 170.958 171.071 171.184 171.297 171.410 171.523 171.636 171.749 171.862 171.975 172.088 172.201 172.314 172.427 172.540 172.653 172.766 172.879 172.992 173.105 173.218 173.331 173.444 173.557 173.670 173.783 173.896 174.009 174.122 174.235 174.348 174.461 174.574 174.687 174.800 174.913 175.026 175.139 175.252 175.365 175.478 175.591 175.704 175.817 175.930 176.043 176.156 176.269 176.382 176.495 176.608 176.721 176.834 176.947 177.060 177.173 177.286 177.399 177.512 177.625 177.738 177.851 177.964 178.077 178.190 178.303 178.416 178.529 178.642 178.755 178.868 178.981 179.094 179.207 179.320 179.433 179.546 179.659 179.772 179.885 179.998 180.111 180.224 180.337 180.450 180.563 180.676 180.789 180.902 181.015 181.128 181.241 181.354 181.467 181.580 181.693 181.806 181.919 182.032 182.145 182.258 182.371 182.484 182.597 182.710 182.823 182.936 183.049 183.162 183.275 183.388 183.501 183.614 183.727 183.840 183.953 184.066 184.179 184.292 184.405 184.518 184.631 184.744 184.857 184.970 185.083 185.196 185.309 185.422 185.535 185.648 185.761 185.874 185.987 186.100 186.213 186.326 186.439 186.552 186.665 186.778 186.891 187.004 187.117 187.230 187.343 187.456 187.569 187.682 187.795 187.908 188.021 188.134 188.247 188.360 188.473 188.586 188.699 188.812 188.925 189.038 189.151 189.264 189.377 189.490 189.603 189.716 189.829 189.942 190.055 190.168 190.281 190.394 190.507 190.620 190.733 190.846 190.959 191.072 191.185 191.298 191.411 191.524 191.637 191.750 191.863 191.976 192.089 192.202 192.315 192.428 192.541 192.654 192.767 192.880 192.993 193.106 193.219 193.332 193.445 193.558 193.671 193.784 193.897 194.010 194.123 194.236 194.349 194.462 194.575 194.688 194.801 194.914 195.027 195.140 195.253 195.366 195.479 195.592 195.705 195.818 195.931 196.044 196.157 196.270 196.383 196.496 196.609 196.722 196.835 196.948 197.061 197.174 197.287 197.400 197.513 197.626 197.739 197.852 197.965 198.078 198.191 198.304 198.417 198.530 198.643 198.756 198.869 198.982 199.095 199.208 199.321 199.434 199.547 199.660 199.773 199.886 199.999 200.112 200.225 200.338 200.451 200.564 200.677 200.790 200.903 201.016 201.129 201.242 201.355 201.468 201.581 201.694 201.807 201.920 202.033 202.146 202.259 202.372 202.485 202.598 202.711 202.824 202.937 203.050 203.163 203.276 203.389 203.502 203.615 203.728 203.841 203.954 204.067 204.180 204.293 204.406 204.519 204.632 204.745 204.858 204.971 205.084 205.197 205.310 205.423 205.536 205.649 205.762 205.875 205.988 206.101 206.214 206.327 206.440 206.553 206.666 206.779 206.892 207.005 207.118 207.231 207.344 207.457 207.570 207.683 207.796 207.909 208.022 208.135 208.248 208.361 208.474 208.587 208.700 208.813 208.926 209.039 209.152 209.265 209.378 209.491 209.604 209.717 209.830 209.943 210.056 210.169 210.282 210.395 210.508 210.621 210.734 210.847 210.960 211.073 211.186 211.299 211.412 211.525 211.638 211.751 211.864 211.977 212.090 212.203 212.316 212.429 212.542 212.655 212.768 212.881 212.994 213.107 213.220 213.333 213.446 213.559 213.672 213.785 213.898 214.011 214.124 214.237 214.350 214.463 214.576 214.689 214.802 214.915 215.028 215.141 215.254 215.367 215.480 215.593 215.706 215.819 215.932 216.045 216.158 216.271 216.384 216.497 216.610 216.723 216.836 216.949 217.062 217.175 217.288 217.401 217.514 217.627 217.740 217.853 217.966 218.079 218.192 218.305 218.418 218.531 218.644 218.757 218.870 218.983 219.096 219.209 219.322 219.435 219.548 219.661 219.774 219.887 219.999 220.112 220.225 220.338 220.451 220.564 220.677 220.790 220.903 221.016 221.129 221.242 221.355 221.468 221.581 221.694 221.807 221.920 222.033 222.146 222.259 222.372 222.485 222.598 222.711 222.824 222.937 223.050 223.163 223.276 223.389 223.502 223.615 223.728 223.841 223.954 224.067 224.180 224.293 224.406 224.519 224.632 224.745 224.858 224.971 225.084 225.197 225.310 225.423 225.536 225.649 225.762 225.875 225.988 226.101 226.214 226.327 226.440 226.553 226.666 226.779 226.892 227.005 227.118 227.231 227.344 227.457 227.570 227.683 227.796 227.909 228.022 228.135 228.248 228.361 228.474 228.587 228.700 228.813 228.926 229.039 229.152 229.265 229.378 229.491 229.604 229.717 229.830 229.943 230.056 230.169 230.282 230.395 230.508 230.621 230.734 230.847 230.960 231.073 231.186 231.299 231.412 231.525 231.638 231.751 231.864 231.977 232.090 232.203 232.316 232.429 232.542 232.655 232.768 232.881 232.994 233.107 233.220 233.333 233.446 233.559 233.672 233.785 233.898 234.011 234.124 234.237 234.350 234.463 234.576 234.689 234.802 234.915 235.028 235.141 235.254 235.367 235.480 235.593 235.706 235.819 235.932 236.045 236.158 236.271 236.384 236.497 236.610 236.723 236.836 236.949 237.062 237.175 237.288 237.401 237.514 237.627 237.740 237.853 237.966 238.079 238.192 238.305 238.418 238.531 238.644 238.757 238.870 238.983 239.096 239.209 239.322 239.435 239.548 239.661 239.774 239.887 239.999 240.112 240.225 240.338 240.451 240.564 240.677 240.790 240.903 241.016 241.129 241.242 241.355 241.468 241.581 241.694 241.807 241.920 242.033 242.146 242.259 242.372 242.485 242.598 242.711 242.824 242.937 243.050 243.163 243.276 243.389 243.502 243.615 243.728 243.841 243.954 244.067 244.180 244.293 244.406 244.519 244.632 244.745 244.858 244.971 245.084 245.197 245.310 245.423 245.536 245.649 245.762 245.875 245.988 246.101 246.214 246.327 246.440 246.553 246.666 246.779 246.892 247.005 247.118 247.231 247.344 247.457 247.570 247.683 247.796 247.909 248.022 248.135 248.248 248.361 248.474 248.587 248.700 248.813 248.926 249.039 249.152 249.265 249.378 249.491 249.604 249.717 249.830 249.943 250.056 250.169 250.282 250.395 250.508 250.621 250.734 250.847 250.960 251.073 251.186 251.299 251.412 251.525 251.638 251.751 251.864 251.977 252.090 252.203 252.316 252.429 252.542 252.655 252.768 252.881 252.994 253.107 253.220 253.333 253.446 253.559 253.672 253.785 253.898 254.011 254.124 254.237 254.350 254.463 254.576 254.689 25



Vertikalni elementi	
Stacionaza	5+600 5+620 5+640 5+660 5+680 5+700 5+720 5+740 5+760 5+780 5+800 5+820 5+840 5+860 5+880 5+900 5+920 5+940 5+960 5+980 6+000 6+020 6+040 6+060 6+080 6+100 6+120 6+140 6+160 6+180 6+200 6+220 6+240 6+260 6+280 6+300 6+320 6+340 6+360 6+380 6+400 6+420 6+440 6+460 6+480 6+500 6+520 6+540 6+560 6+580 6+600 6+620 6+640 6+660 6+680 6+700 6+720 6+740 6+760 6+780 6+800 6+820 6+840 6+860 6+880 6+900 6+920 6+940 6+960 6+980 7+000 7+020 7+040 7+060 7+080 7+100 7+120 7+140 7+160 7+180 7+200 7+220 7+240 7+260 7+280 7+300 7+320 7+340 7+360 7+380 7+400 7+420 7+440 7+460 7+480 7+500 7+520 7+540 7+560 7+580 7+600 7+620 7+640 7+660 7+680 7+700 7+720 7+740 7+760 7+780 7+800 7+820 7+840 7+860 7+880 7+900 7+920 7+940 7+960 7+980 8+000 8+020 8+040 8+060 8+080 8+100 8+120 8+140 8+160 8+180 8+200 8+220 8+240 8+260 8+280 8+300
Kote nivelete	97.050 97.279 97.508 97.737 97.967 98.196 98.425 98.654 98.884 99.113 99.342 99.571 99.801 100.030 100.259 100.488 100.717 100.947 101.176 101.405 101.634 101.864 102.093 102.322 102.551 102.781 103.010 103.239 103.468 103.698 103.927 104.156 104.385 104.614 104.844 105.073 105.302 105.531 105.761 105.990 106.219 106.448 106.678 106.907 107.136 107.365 107.594 107.824 108.053 108.282 108.511 108.741 108.970 109.199 109.428 109.658 109.887 110.116 110.345 110.575 110.804 111.033 111.262 111.491 111.721 111.950 112.179 112.408 112.638 112.867 113.096 113.325 113.555 113.784 114.013 114.242 114.471 114.701 114.930 115.159 115.388 115.618 115.847 116.076 116.305 116.535 116.764 116.993 117.222 117.452 117.681 117.910 118.139 118.368 118.598 118.827 119.056 119.285 119.515 119.744 119.973 120.202 120.432 120.661 120.890 121.119 121.348 121.578 121.807 122.036 122.265 122.495 122.724 122.953 123.182 123.412 123.641 123.870 124.099 124.329 124.558 124.787 125.016 125.245 125.475 125.704 125.933 126.162 126.392 126.621 126.850 127.079 127.309 127.538 127.767 127.996
Kote terena	97.356 98.140 98.763 99.972 99.183 99.459 99.514 98.425 99.719 100.122 99.966 99.806 99.571 99.801 98.735 98.517 98.174 98.494 98.419 98.350 98.286 98.227 98.174 98.126 98.083 98.033 97.908 97.956 98.211 98.603 99.235 99.230 99.230 99.228 99.247 100.185 101.133 101.645 103.072 104.724 105.650 105.796 105.961 106.668 107.365 108.064 108.764 109.464 101.216 101.821 102.851 103.324 103.546 104.164 106.196 108.207 109.908 110.116 110.345 100.905 101.375 101.910 102.402 102.558 102.656 111.491 101.741 111.721 121.355 124.056 126.018 127.942 133.321 128.939 13.074m 128.921 128.921 128.867 129.290 129.84m 128.964 128.604 128.213 11.220m 10.122m 8.613m 6.227m 4.021m 1.994m -0.272m -2.577m -2.519m -1.967m -1.397m -1.109m -1.176m -1.575m -2.824m -3.870m -4.914m -5.955m -7.185m -7.533m -7.223m -7.223m -7.711m -7.354m -7.446m -7.867m -7.545m -7.966m -8.475m -8.985m -9.258m -9.505m -9.752m -9.827m -8.236m -6.646m -5.056m -3.575m -2.361m -1.147m 0.067m 0.908m 1.334m 1.761m 1.868m 1.350m 0.717m 0.138m 1.551m 2.186m
Delta Z	0.306m 0.861m 1.254m 1.235m 1.217m 1.264m 1.089m 0.860m 0.836m 1.009m 0.624m 0.234m -0.162m -0.975m -1.241m -1.417m -1.911m -2.441m -2.888m -3.118m -3.370m -3.674m -3.972m -4.266m -4.553m -4.836m -5.113m -5.385m -5.790m -5.971m -5.945m -5.782m -5.379m -5.614m -5.845m -6.055m -5.346m -4.627m -4.345m -3.147m -1.724m -1.028m -1.111m -1.175m -1.682m -2.926m -4.160m -5.025m -5.870m -6.938m -8.006m -8.740m -9.137m -9.547m -9.779m -9.643m -9.531m -9.440m -9.199m -8.893m -8.631m -8.705m -8.835m -9.980m -11.347m -10.963m -10.587m -9.787m -9.543m -9.550m -9.161m -7.359m -5.577m -4.105m -0.842m 2.910m 9.126m 10.659m 12.654m 13.321m 12.839m 13.074m 12.791m 12.984m 12.430m 11.840m 11.220m 8.613m 6.227m 4.021m 1.994m -0.272m -2.577m -2.519m -1.967m -1.397m -1.109m -1.176m -1.575m -2.824m -3.870m -4.914m -5.955m -7.185m -7.533m -7.223m -7.223m -7.711m -7.354m -7.446m -7.867m -7.545m -7.966m -8.475m -8.985m -9.258m -9.505m -9.752m -9.827m -8.236m -6.646m -5.056m -3.575m -2.361m -1.147m 0.067m 0.908m 1.334m 1.761m 1.868m 1.350m 0.717m 0.138m 1.551m 2.186m
Tlocrtni elementi	
Shema vitoperenja	

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

DIPLOMSKI RAD

Prilog: Uzdužni presjek DC 12 [varijanta 2]
5+600.000 - 8+339.539

Mjerilo: 1:5000/500 Br.pr.: 1

Izdario: Valentino Mrazović, 0082053619

Predano: veljača 2024.
Rok pred.: veljača 2024.

Mentor: Izv. prof. dr. sc. Ivica Stančerić



H=55.000 m.n.m.

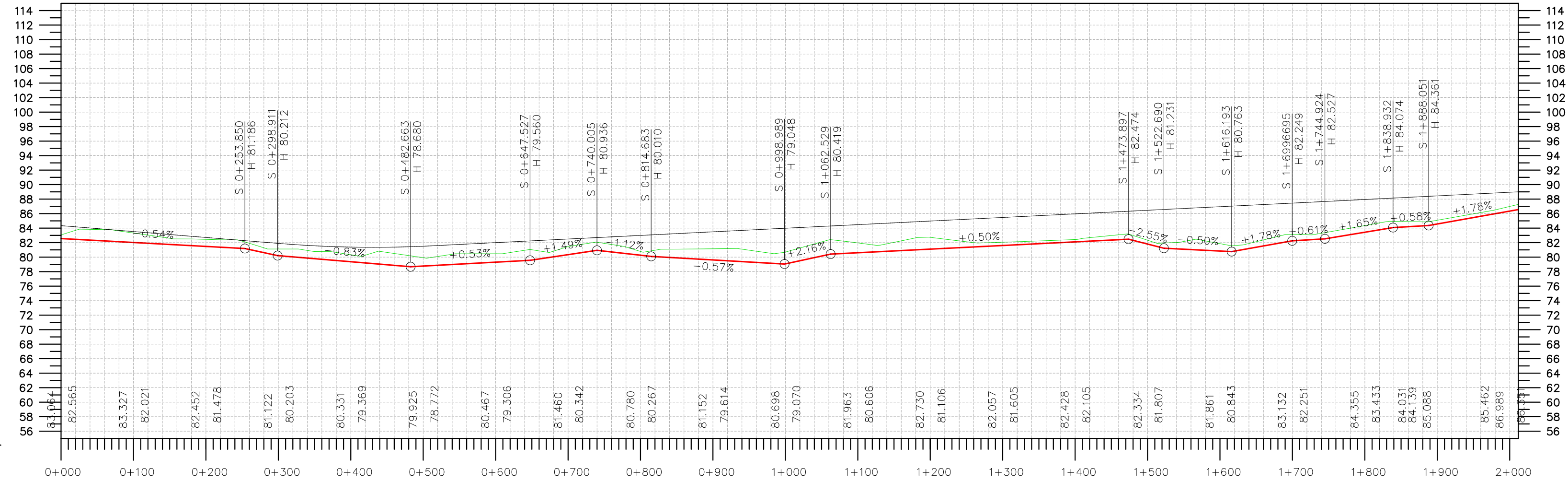
Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena
0+000,000	0+000	83.400	83.682
-0.50%	0+020	83.300	84.368
	0+040	83.200	84.539
	0+060	83.100	84.538
	0+080	83.000	84.537
	0+100	82.900	84.331
	0+120	82.801	84.017
	0+140	82.701	83.703
	0+160	82.601	83.487
	0+180	82.501	83.485
	0+200	82.401	83.484
0+219,254	0+220	82.288	83.471
2.17%	0+240	81.855	82.831
	0+260	81.421	82.196
	0+280	80.988	81.560
0+307,221	0+300	80.554	81.415
-1.07%	0+320	80.261	81.410
	0+340	80.047	81.404
	0+360	79.833	81.239
	0+380	79.619	80.931
	0+400	79.406	80.624
	0+420	79.192	80.502
	0+440	78.978	80.189
	0+460	78.764	79.876
	0+480	78.550	79.561
0+482,511	0+500	78.727	79.792
	0+520	78.962	80.101
	0+540	79.197	80.409
1.17%	0+560	79.431	80.409
	0+580	79.666	80.467
	0+600	79.901	80.467
	0+620	80.136	80.645
	0+640	80.370	80.954
	0+660	80.605	81.263
	0+680	80.840	81.476
	0+700	81.075	81.782
	0+720	81.309	82.089
	0+740	81.509	82.339
0+738,047	0+760	81.388	82.043
-0.60%	0+780	81.268	81.748
	0+800	81.147	81.445
	0+820	81.026	81.425
	0+840	80.906	81.442
	0+860	80.785	81.460
	0+880	80.665	81.492
	0+900	80.544	81.538
	0+920	80.424	81.588
	0+940	80.303	81.626
	0+960	80.183	81.423
	0+980	80.062	81.227
0+998,930	1+000	79.963	81.091
1.34%	1+020	80.231	81.785
	1+040	80.499	82.485
	1+060	80.767	82.760
	1+080	81.035	82.571
	1+100	81.303	82.323
	1+120	81.571	82.345
	1+140	81.839	82.579
	1+160	82.107	82.978
	1+180	82.375	83.061
	1+200	82.597	83.085
1+197,717	1+220	82.463	82.856
-0.67%	1+240	82.330	82.630
	1+260	82.197	82.406
	1+280	82.064	82.390
	1+300	81.930	82.460
	1+320	81.797	82.588
	1+340	81.664	82.606
	1+360	81.531	82.682
	1+380	81.397	82.761
	1+400	81.264	82.842
	1+420	81.131	82.701
	1+440	80.998	82.508
1+443,327	1+460	81.059	82.639
0.50%	1+480	81.159	82.613
	1+500	81.259	82.294
	1+520	81.360	82.368
	1+540	81.460	82.491
	1+560	81.560	82.515
	1+580	81.660	82.448
	1+600	81.761	82.388
	1+620	81.861	82.328
1+620,929	1+640	82.214	82.780
1.82%	1+660	82.579	83.258
	1+680	82.944	83.737
	1+700	83.308	84.085
	1+720	83.673	84.320
	1+740	84.038	84.758
1+748,285	1+760	84.292	85.240
0.88%	1+780	84.469	85.313
	1+800	84.645	85.647
	1+820	84.822	85.827
	1+840	84.929	85.798
1+820,756	1+860	85.034	85.768
0.52%	1+880	85.182	86.021
	1+900	85.640	86.354
	1+920	86.097	86.822
1+877,499	1+940	86.554	87.193
2.29%	1+960	87.011	87.631
	1+980	87.469	88.070

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

DIPLOMSKI RAD

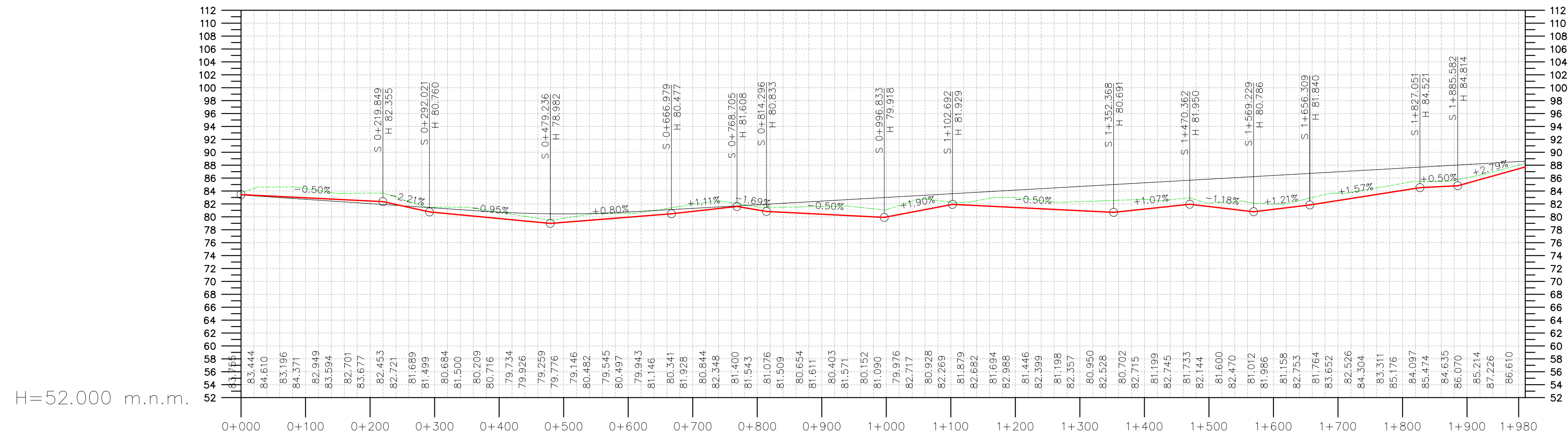
Prilog: Uzdužni presjek jarka L [varijanta 1]		Predano: veljača 2024.
0+000,000 - 1+990,374		Rok pred.: veljača 2024.
Mjerilo: 1:5000/500	Br.pr.: 1	Mentor: Izv. prof. dr. sc. Ivica Stančerić
Izradio: Valentino Mrazović, 0082053619		

H=55.000 m.n.m.



Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena
0+000.000	0+000	0.000	83.064
-0.54%	0+020	82.456	83.701
	0+040	82.347	83.832
	0+060	82.239	83.795
	0+080	82.130	83.611
	0+100	82.021	83.327
	0+120	81.913	83.043
	0+140	81.804	82.759
	0+160	81.695	82.512
	0+180	81.587	82.511
	0+200	81.478	82.452
	0+220	81.369	82.393
	0+240	81.261	82.377
	0+260	81.052	81.910
1.16%	0+280	80.621	81.285
0+253.850	0+300	80.203	81.122
0+298.911	0+320	80.036	81.122
-0.83%	0+340	79.869	80.925
	0+360	79.702	80.763
	0+380	79.536	80.647
	0+400	79.369	80.331
	0+420	79.202	80.262
	0+440	79.035	80.799
	0+460	78.868	80.507
	0+480	78.702	80.215
0+482.663	0+500	78.772	79.925
0.53%	0+520	78.879	80.091
	0+540	78.986	80.400
	0+560	79.093	80.467
	0+580	79.199	80.467
	0+600	79.306	80.467
	0+620	79.413	80.635
	0+640	79.520	80.944
	0+660	79.746	80.859
0+647.527	0+680	80.044	80.827
1.49%	0+700	80.342	81.460
	0+720	80.639	81.778
0+740.005	0+740	80.936	82.053
1.12%	0+760	81.114	81.744
	0+780	81.401	81.401
	0+800	81.688	80.780
	0+820	81.975	80.953
0+814.683	0+840	82.072	81.099
-0.57%	0+860	82.169	81.114
	0+880	82.266	81.132
	0+900	82.363	81.152
	0+920	82.460	81.175
	0+940	82.557	81.099
	0+960	82.654	80.814
	0+980	82.751	80.532
	1+000	82.848	80.698
0+998.989	1+020	82.945	81.261
2.16%	1+040	83.042	81.820
0+1062.529	1+060	83.139	82.376
0.50%	1+080	83.236	82.211
	1+100	83.333	81.963
	1+120	83.430	81.701
	1+140	83.527	81.836
	1+160	83.624	81.836
	1+180	83.721	82.247
	1+200	83.818	82.661
	1+220	83.915	82.730
	1+240	84.012	82.484
	1+260	84.109	82.242
	1+280	84.206	82.003
	1+300	84.303	81.989
	1+320	84.400	82.057
	1+340	84.497	82.127
	1+360	84.594	82.199
	1+380	84.691	82.273
	1+400	84.788	82.350
	1+420	84.885	82.428
	1+440	84.982	82.685
	1+460	85.079	82.885
	1+480	85.176	83.080
0+473.897	1+500	85.273	82.987
2.55%	1+520	85.370	82.334
0.50%	1+540	85.467	81.933
	1+560	85.564	82.027
0+522.690	1+580	85.661	82.347
	1+600	85.758	82.433
0+616.193	1+620	85.855	81.592
1.78%	1+640	85.952	81.885
	1+660	86.049	82.373
0+699.666	1+680	86.146	82.863
0.61%	1+700	86.243	83.132
1+744.924	1+720	86.340	83.085
1.65%	1+740	86.437	83.293
	1+760	86.534	83.642
	1+780	86.631	83.996
	1+800	86.728	84.355
	1+820	86.825	84.715
0+838.932	1+840	86.922	84.937
0.58%	1+860	87.019	84.900
	1+880	87.116	84.863
0+888.051	1+900	87.213	85.088
1.78%	1+920	87.310	85.442
	1+940	87.407	85.795
	1+960	87.504	86.149
	1+980	87.601	86.512
	2+000	87.698	86.989

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: Uzdužni profil jarka D [varijanta 1] 0+000.000 - 2+011.183	Predano: veljača 2024. Rok pred: veljača 2024.
Mjerilo: 1:5000/500	Br.pr.: 1
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



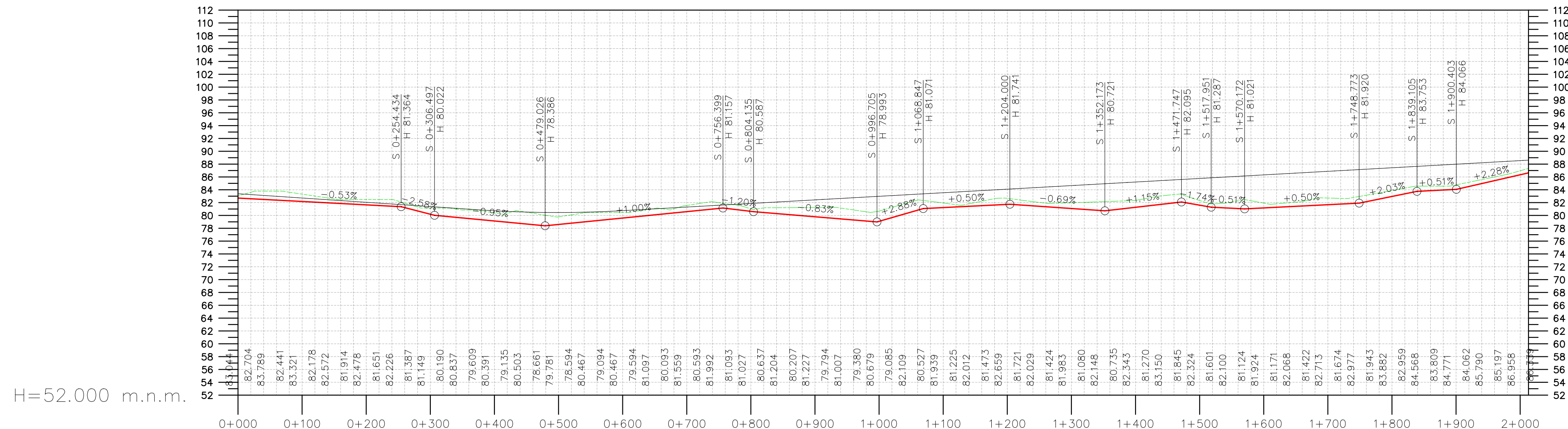
H=52.000 m.n.m.

Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena
0+000.000	0+000	83.444	83.755
-0.50%	0+020	83.345	84.411
	0+040	83.246	84.606
	0+060	83.147	84.614
	0+080	83.048	84.623
	0+100	82.949	84.371
	0+120	82.850	84.060
	0+140	82.751	83.749
	0+160	82.652	83.655
	0+180	82.553	83.666
	0+200	82.453	83.677
0+219.849	0+220	82.353	83.688
2.21%	0+240	81.910	83.044
	0+260	81.468	82.398
	0+280	81.026	81.751
0+292.021	0+300	80.684	81.499
-0.95%	0+320	80.494	81.502
	0+340	80.304	81.505
	0+360	80.114	81.345
	0+380	79.924	81.035
	0+400	79.734	80.716
	0+420	79.544	80.397
	0+440	79.354	80.078
	0+460	79.164	79.774
0+479.236	0+480	78.987	79.470
	0+500	79.146	79.776
	0+520	79.306	80.089
0.80%	0+540	79.465	80.089
	0+560	79.624	80.392
	0+580	79.784	80.485
	0+600	79.943	80.497
	0+620	80.102	80.675
	0+640	80.261	80.990
	0+660	80.421	81.303
0+666.979	0+680	80.621	81.615
	0+700	80.844	81.928
	0+720	81.066	82.241
1.11%	0+740	81.289	82.469
	0+760	81.512	82.191
	0+780	81.415	81.878
0+768.705	0+800	81.076	81.543
1.69%	0+820	80.805	81.496
0+814.296	0+840	80.705	81.504
-0.50%	0+860	80.604	81.514
	0+880	80.504	81.582
	0+900	80.403	81.611
	0+920	80.303	81.645
	0+940	80.202	81.684
	0+960	80.102	81.458
	0+980	80.002	81.237
0+996.833	1+000	79.976	81.090
1.90%	1+020	80.356	81.763
	1+040	80.737	82.443
	1+060	81.118	82.733
	1+080	81.499	82.527
	1+100	81.879	82.269
1+102.692	1+120	81.843	82.252
-0.50%	1+140	81.744	82.490
	1+160	81.645	82.876
	1+180	81.546	82.993
	1+200	81.446	82.988
	1+220	81.347	82.750
	1+240	81.248	82.515
	1+260	81.149	82.284
	1+280	81.050	82.293
	1+300	80.950	82.357
	1+320	80.851	82.424
	1+340	80.752	82.493
1+352.368	1+360	80.773	82.564
1.07%	1+380	80.986	82.638
	1+400	81.199	82.715
	1+420	81.413	82.516
	1+440	81.626	82.642
	1+460	81.840	82.846
1+470.362	1+480	81.836	82.835
-1.18%	1+500	81.600	82.144
	1+520	81.365	82.234
	1+540	81.130	82.326
1+569.229	1+560	80.895	82.283
1.21%	1+580	80.915	82.055
	1+600	81.158	81.986
	1+620	81.400	82.045
	1+640	81.642	82.516
1+656.309	1+660	81.898	82.991
1.57%	1+680	82.212	83.468
	1+700	82.526	83.652
	1+720	82.840	83.801
	1+740	83.154	84.135
	1+760	83.468	84.475
	1+780	83.782	84.823
	1+800	84.097	85.176
	1+820	84.411	85.469
1+827.051	1+840	84.586	85.470
0.50%	1+860	84.685	85.479
	1+880	84.785	85.687
1+885.582	1+900	85.214	86.070
2.79%	1+920	85.772	86.457
	1+940	86.331	86.967
	1+960	86.889	87.487
	1+980	87.448	88.010

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

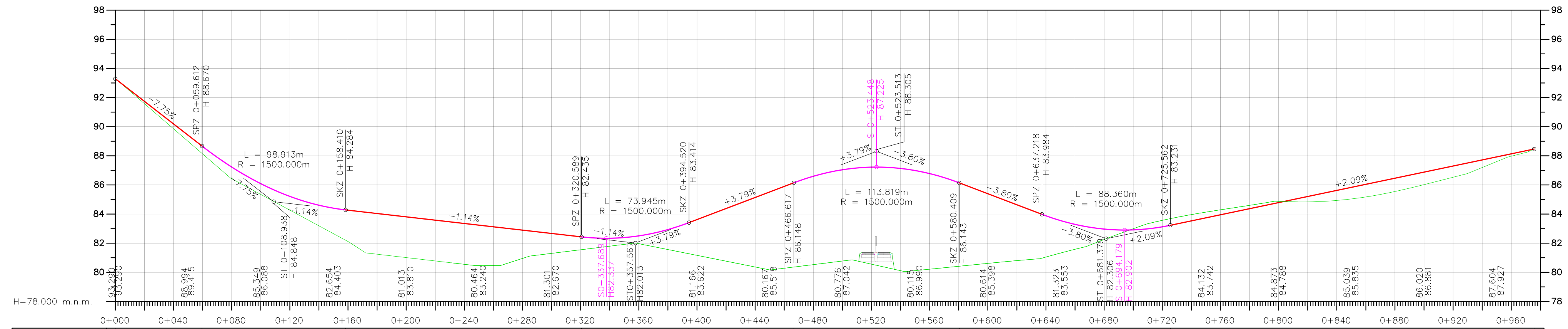
DIPLOMSKI RAD

Prilog: Uzdužni profil jarka L [varijanta 2]		Predano: veljača 2024.
0+000.000 - 1+990.229		Rok pred.: veljača 2024.
Mjerilo: 1:5000/500	Br.pr.: 1	Mentor:
Izradio: Valentino Mrazović, 0082053619		Izv. prof. dr. sc. Ivica Stančerić



H=52.000 m.n.m.

Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena
0+000.000	0+000	82.704	83.044
-0.53%	0+020	82.599	83.610
	0+040	82.494	83.791
	0+060	82.388	83.787
	0+080	82.283	83.620
	0+100	82.178	83.321
	0+120	82.072	83.022
	0+140	81.967	82.723
	0+160	81.861	82.486
	0+180	81.756	82.482
	0+200	81.651	82.478
	0+220	81.545	82.472
	0+240	81.440	82.472
	0+260	81.321	81.922
	0+280	81.206	81.312
2.58%	0+300	80.190	81.149
	0+320	79.894	81.150
	0+340	79.704	80.990
	0+360	79.514	80.836
	0+380	79.325	80.694
	0+400	79.135	80.391
	0+420	78.945	80.327
	0+440	78.756	80.663
	0+460	78.566	80.343
	0+480	78.394	80.024
	0+500	78.594	79.781
	0+520	78.794	80.090
	0+540	78.994	80.398
	0+560	79.194	80.467
	0+580	79.394	80.467
	0+600	79.594	80.634
	0+620	79.793	80.943
	0+640	79.993	81.068
	0+660	80.193	81.041
	0+680	80.393	81.559
	0+700	80.593	81.868
	0+720	80.793	81.868
	0+740	80.993	82.140
	0+760	81.115	81.848
	0+780	80.876	81.562
	0+800	80.637	81.027
-1.20%	0+820	80.456	81.174
	0+840	80.290	81.201
	0+860	80.125	81.208
	0+880	79.959	81.216
	0+900	79.794	81.227
	0+920	79.462	81.241
	0+940	79.297	81.154
	0+960	79.131	80.860
	0+980	79.085	80.679
	1+000	79.662	81.254
	1+020	80.239	81.825
	1+040	80.816	82.393
	1+060	80.816	82.197
	1+080	81.126	82.197
	1+100	81.225	81.939
	1+120	81.324	81.668
	1+140	81.423	81.812
	1+160	81.523	82.212
	1+180	81.622	82.616
	1+200	81.721	82.659
	1+220	81.630	82.405
	1+240	81.493	82.153
	1+260	81.355	81.906
	1+280	81.217	81.922
	1+300	81.080	81.983
	1+320	80.942	82.047
	1+340	80.804	82.114
	1+360	80.810	82.183
	1+380	81.040	82.254
	1+400	81.270	82.343
	1+420	81.500	82.710
	1+440	81.730	83.048
	1+460	81.960	83.251
	1+480	81.949	82.978
	1+500	81.601	82.324
	1+520	81.276	81.804
	1+540	81.175	81.914
	1+560	81.073	82.286
	1+580	81.071	82.295
	1+600	81.171	81.924
	1+620	81.272	81.815
	1+640	81.372	81.985
	1+660	81.473	82.153
	1+680	81.573	82.640
	1+700	81.674	82.713
	1+720	81.774	82.662
	1+740	81.875	82.801
	1+760	82.147	83.155
	1+780	82.553	83.515
	1+800	82.959	83.882
	1+820	83.366	84.256
	1+840	83.758	84.571
	1+860	83.859	84.566
	1+880	83.961	84.566
	1+900	84.062	84.771
	1+920	84.511	85.175
	1+940	84.968	85.584
	1+960	85.425	85.997
	1+980	85.882	86.414
	2+000	86.339	86.958



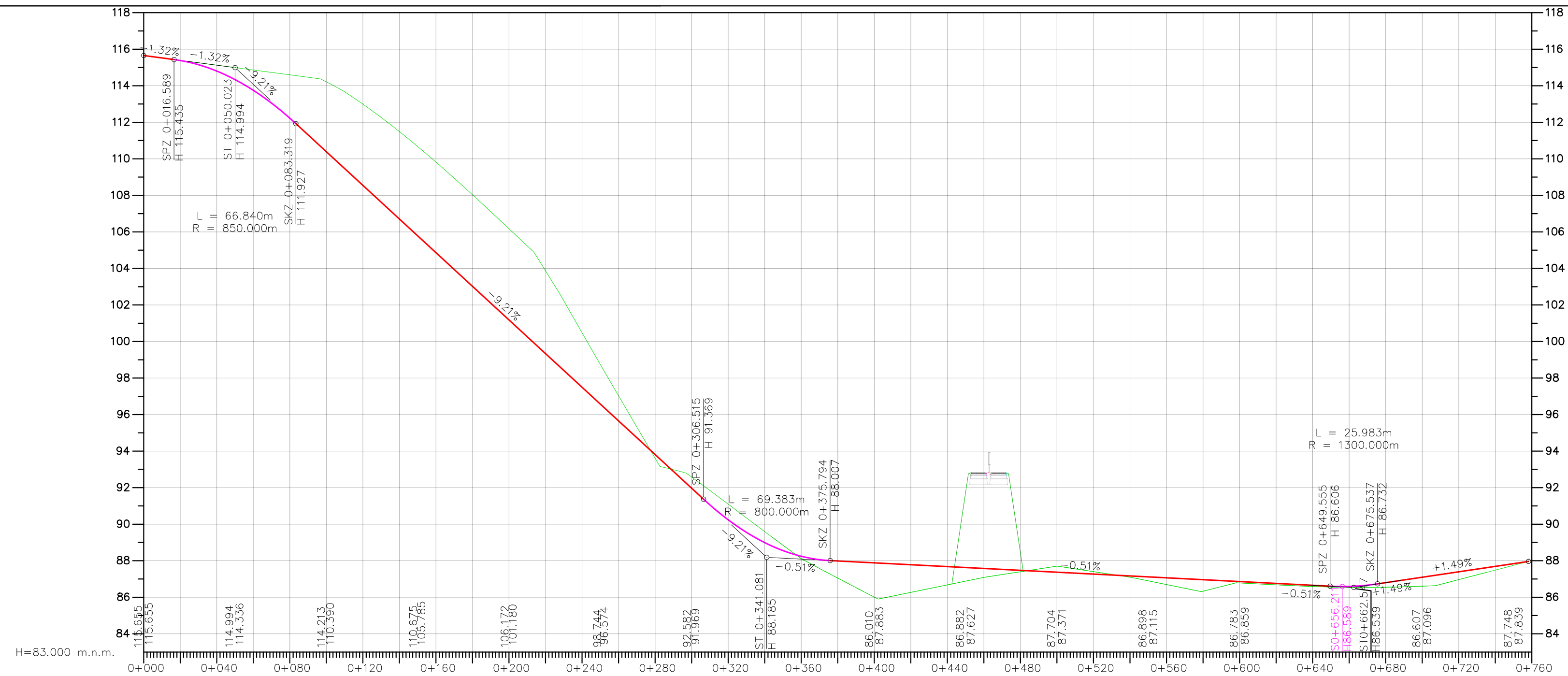
Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena	Delta Z	Tlocrtni elementi	Schema vitoperenja
0+000.000 -7.75% 0+059.612 $R = 98.913m$ $R = 1500.000m$ 0+158.410 -1.14% 0+320.589 $R = 73.945m$ $R = 1500.000m$ 0+394.520 3.79% 0+466.617 $R = 113.819m$ $R = 1500.000m$ 0+580.409 -3.80% 0+637.218 $R = 88.360m$ $R = 1500.000m$ 0+725.562 2.09%	0+000 0+020 0+040 0+060 0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320 0+340 0+360 0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520 0+540 0+560 0+580 0+600 0+620 0+640 0+660 0+680 0+700 0+720 0+740 0+760 0+780 0+800 0+820 0+840 0+860 0+880 0+900 0+920 0+940 0+960	93.290 91.740 90.190 88.640 87.230 86.088 85.214 84.607 84.266 84.038 83.810 83.582 83.354 83.126 82.898 82.670 82.442 82.339 82.503 82.934 83.622 84.380 85.139 85.897 86.595 87.042 87.221 87.134 86.779 86.158 85.398 84.638 83.881 83.292 82.969 82.914 83.124 83.533 83.951 84.370 84.788 85.207 85.625 86.044 86.462 86.881 87.300 87.718 88.137	93.290 91.582 89.857 88.132 86.428 85.349 84.271 83.193 82.115 81.244 81.013 80.782 80.550 80.464 80.955 81.301 81.548 81.796 81.965 81.565 81.166 80.766 80.367 80.281 80.528 80.776 80.560 80.113 80.215 80.415 80.614 80.804 81.050 81.582 82.253 82.994 83.569 83.963 84.291 84.599 84.873 84.835 84.936 85.176 85.551 86.020 86.528 87.196 87.973	0.000m -0.158m -0.333m -0.509m -0.802m -0.739m -0.942m -1.413m -2.151m -2.793m -2.797m -2.800m -2.803m -2.662m -1.943m -1.369m -0.893m -0.543m -0.539m -1.369m -2.456m -3.614m -4.772m -5.616m -6.067m -6.266m -6.661m -7.020m -6.565m -5.744m -4.784m -3.835m -2.831m -1.709m -0.716m 0.081m 0.445m 0.430m 0.340m 0.229m 0.084m -0.371m -0.689m -0.868m -0.912m -0.861m -0.771m -0.522m -0.163m	0+000.000 L=589.435m	LR DR

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

DIPLOMSKI RAD

Prilog: Uzdužni profil
 ŽC 4002 [varijanta 1]
 0+000.000 - 0+975.702
 Mjerilo: 1:2000/200
 Izradio: Valentino Mrazović,
 0082053619

Predano: veljača 2024.
 Rok pred.: veljača 2024.
 Br.pr.: 1
 Mentor:
 Izv. prof. dr. sc.
 Ivica Stančerić

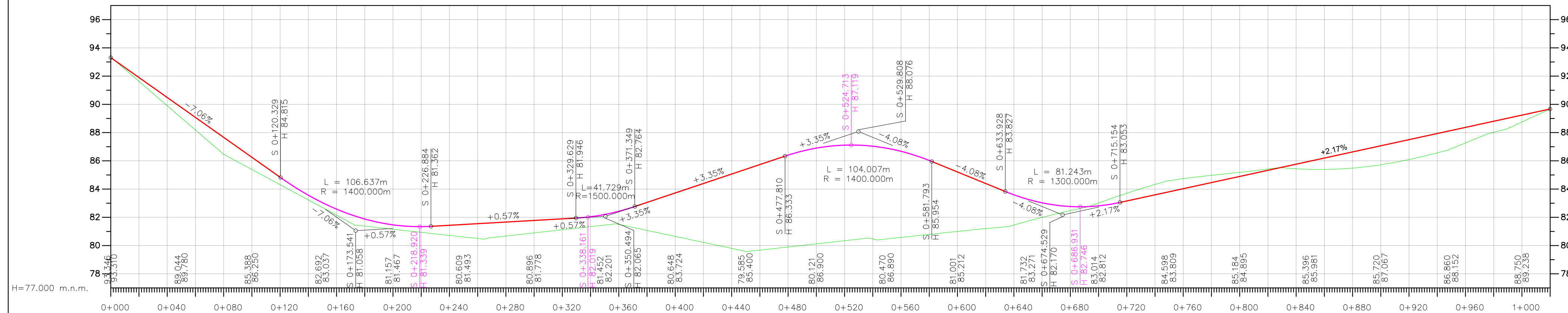


Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena	Delta Z	Tlocrtni elementi	Shema vitoperenja
0+000.000 0+016.589 R = 850.000m L = 66.840m	0+000 0+020 0+040 0+060 0+080	115.655 115.383 114.803 113.751 112.226	115.655 115.399 114.126 114.862 114.597	0.000m 0.007m 0.323m 1.110m 2.372m	L=84.418m Ls=35.00m R=120.000m	-2.40% -2.40% -5.30% -5.30%
0+083.319 -9.21% 0+306.515 R = 800.000m L = 69.383m	0+100 0+120 0+140 0+160 0+180 0+200 0+220 0+240 0+260 0+280 0+300 0+320	110.390 110.390 108.548 106.706 104.864 103.022 99.337 97.495 95.653 93.811 91.969 90.242	114.213 112.993 111.492 109.821 108.033 106.174 103.871 100.479 97.026 93.612 92.582 91.097	3.823m 4.445m 4.786m 4.959m 5.011m 4.992m 4.533m 2.984m 1.373m -0.199m 0.613m 0.855m	R=110.000m Ls=35.00m Ls=35.00m R=110.000m Ls=35.00m	-5.60% -5.60% -5.60% -5.60%
0+375.794 -0.51% 0+649.555 R = 1300.000m L = 25.983m	0+380 0+400 0+420 0+440 0+460 0+480 0+500 0+520 0+540 0+560 0+580 0+600 0+620 0+640 0+660 0+680	87.986 87.883 87.781 87.678 87.576 87.474 87.371 87.269 87.166 87.064 86.962 86.859 86.757 86.654 86.541	87.048 86.010 86.267 86.677 87.087 87.397 87.704 87.403 87.098 86.695 86.331 86.783 86.681 86.590 86.541	-0.938m -1.874m -1.514m -1.001m -0.489m -0.077m 0.332m 0.134m -0.069m -0.369m -0.631m -0.076m -0.076m -0.065m -0.053m	L=199.358m Ls=35.00m R=130m Ls=35.00m	-2.40% -2.40% -5.00% -5.00%
0+675.537 1.49%	0+700 0+720 0+740	87.096 87.393 87.691	86.607 86.966 87.487	-0.489m -0.427m -0.203m	L=46.730m	-2.40% -2.40%

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

DIPLOMSKI RAD

Prilog: Uzdužni profil nerazvrstane ceste [varijanta 1]		Predano: veljača 2024.
0+000.000 - 0+758.166		Rok pred.: veljača 2024.
Mjerilo: 1:2000/200	Br.pr.: 1	Mentor: Izv. prof. dr. sc. Ivica Stančerić
Izradio: Valentino Mrazović, 0082053619		



H=77.000 m.n.m.

Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena	Delta Z	Tlocrtni elementi	Schema vitoperenja
0+000.000 -7.06%	0+000 0+020 0+040 0+060 0+080 0+100 0+120	93.310 91.898 90.486 89.074 87.662 86.250 84.838	93.346 91.625 89.904 88.183 86.467 85.388 84.311	0.036m -0.273m -0.582m -0.891m -1.195m -0.863m -0.527m	L=586.228m	LR DR
0+120.329 L=106.637m R=1400.000m	0+140 0+160 0+180 0+200 0+220	83.565 82.580 81.880 81.467 81.340	83.232 82.152 81.376 81.157 80.938	-0.334m -0.427m -0.505m -0.310m -0.402m		
0+226.884 0.57%	0+240 0+260 0+280 0+300 0+320 0+340	81.436 81.550 81.664 81.778 81.891 82.041	80.719 80.500 80.673 80.896 81.118 81.341	-0.718m -1.051m -0.991m -0.882m -0.773m -0.701m	L=586.228m	LR DR
0+329.629 L=41.729m R=1500.000m	0+340 0+360 0+380 0+400 0+420 0+440 0+460	82.041 82.427 83.054 83.724 84.395 85.065 85.736	81.499 81.073 80.648 80.223 79.797 79.676 79.898	-0.928m -1.981m -3.076m -4.172m -5.268m -0.606m -6.506m		
0+477.810 L=104.007m R=1400.000m	0+480 0+500 0+520 0+540 0+560	86.404 86.900 87.111 87.035 86.674	80.121 80.343 80.469 80.576 80.789	-6.767m -6.566m -6.097m -5.237m -4.210m	R=160.000m	LR DR
0+581.793 -4.08%	0+600 0+620 0+640 0+660 0+680 0+700	85.212 84.395 83.594 83.025 82.765 82.812	81.001 81.200 81.453 81.996 82.476 83.014	-3.195m -2.140m -1.029m -0.289m 0.202m 0.547m		
0+633.928 L=81.243m R=1300.000m	0+640 0+660 0+680 0+700 0+720	83.594 83.025 82.765 82.812 83.158	81.453 81.996 82.476 83.014 83.705	-2.140m -1.029m -0.289m 0.202m 0.547m	R=180.000m	LR DR
0+715.154 +2.17%	0+740 0+760 0+780 0+800 0+820 0+840 0+860 0+880 0+900 0+920 0+940 0+960 0+980 1+000	83.592 84.026 84.461 84.895 85.329 85.764 86.198 86.632 87.067 87.501 87.935 88.369 88.804 89.238	84.326 84.739 84.973 85.184 85.417 85.437 85.391 85.486 85.720 86.092 86.562 87.269 88.019 88.750	0.734m 0.713m 0.512m 0.289m 0.088m -0.327m -0.807m -1.146m -1.346m -1.409m -1.373m -1.100m -0.785m -0.488m		

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

DIPLOMSKI RAD

Prilog: Uzdužni profil
ŽC 4002 [varijanta 2]
0+000.000 - 1+019.983
Mjerilo: 1:2000/200
Izradio: Valentino Mrazović,
0082053619

Predano: veljača 2024.
Rok pred.: veljača 2024.
Mentor:
Izv. prof. dr. sc.
Ivica Stančerić



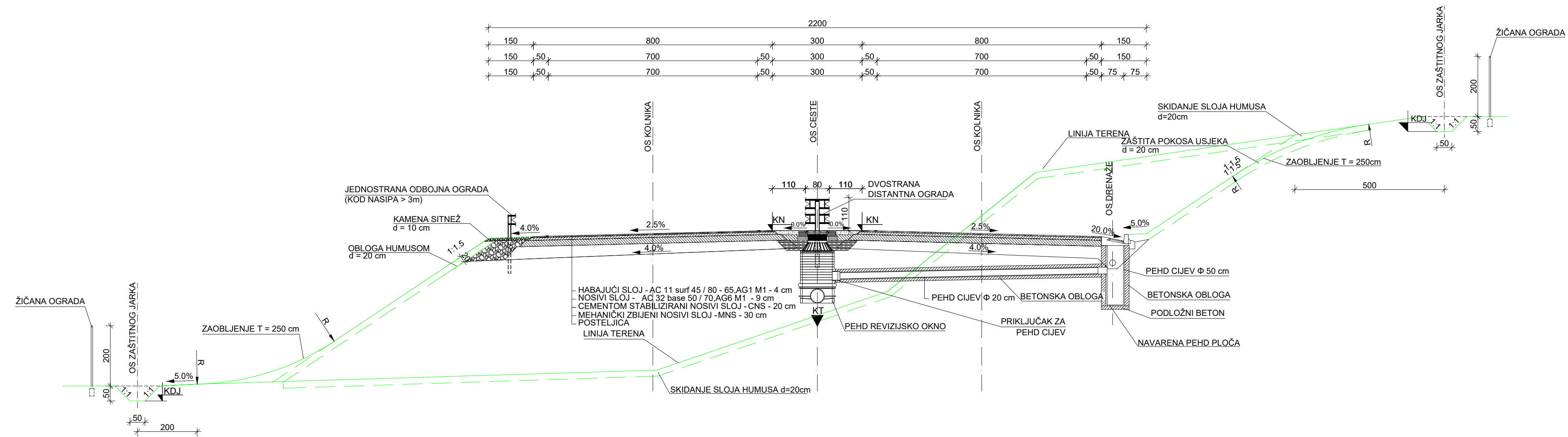
Vertikalni elementi	Stacionaza	Kote nivelete	Kote terena	Delta Z	Tlocrtni elementi	Schema vitoperenja
0+000.000 L=50.300m R=850.000m	0+000	115.743	115.743	0.000m	L=84.485m	2.50%
0+024.759	0+020	115.145	115.477	0.332m		2.50%
0+049.905	0+040	114.410	115.211	0.802m		2.50%
0+074.962	0+060	113.216	114.945	1.730m		2.50%
-8.93%	0+080	111.562	114.679	3.117m		5.30%
	0+100	109.776	114.408	4.632m	Ls=35.00m	5.30%
	0+120	107.990	113.570	5.580m	R=120.000m	5.30%
	0+140	106.204	112.118	5.914m		5.30%
	0+160	104.417	110.447	6.029m		5.30%
	0+180	102.631	108.656	6.025m		5.30%
	0+200	100.845	106.794	5.949m		5.30%
	0+220	99.059	104.248	5.189m		5.30%
	0+240	97.272	100.992	3.720m		5.30%
	0+260	95.486	97.732	2.246m		5.30%
	0+280	93.700	94.696	0.996m		5.30%
	0+300	91.914	93.187	1.273m	Ls=35.00m	5.70%
	0+320	90.145	91.746	1.601m	R=100.000m	5.70%
	0+340	88.726	90.248	1.522m		5.70%
	0+360	87.780	88.979	1.199m		5.70%
	0+380	87.305	87.920	0.615m		5.70%
	0+400	87.185	86.874	-0.311m	Ls=35.00m	2.50%
	0+420	87.086	85.861	-1.225m		2.50%
	0+440	86.987	85.556	-1.431m		2.50%
	0+460	86.888	86.007	-0.880m		2.50%
	0+480	86.788	86.459	-0.329m		2.50%
	0+500	86.689	86.911	0.221m		2.50%
	0+520	86.590	87.362	0.772m		2.50%
	0+540	86.491	87.266	0.775m		2.50%
	0+560	86.391	86.888	0.496m		2.50%
	0+580	86.311	86.509	0.199m		2.50%
	0+600	86.348	86.326	-0.022m		2.50%
	0+620	86.519	86.827	0.308m		2.50%
	0+640	86.766	86.805	0.038m		2.50%
	0+660	87.014	86.690	-0.325m		2.50%
	0+680	87.262	86.606	-0.656m		2.50%
	0+700	87.510	86.579	-0.931m		2.50%
	0+720	87.758	86.609	-1.150m		2.50%
	0+740	88.006	86.930	-1.076m		2.50%
	0+760	88.254	87.452	-0.802m		2.50%
	0+780	88.502	87.974	-0.528m		2.50%
	0+800	88.750	88.496	-0.254m		2.50%

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU

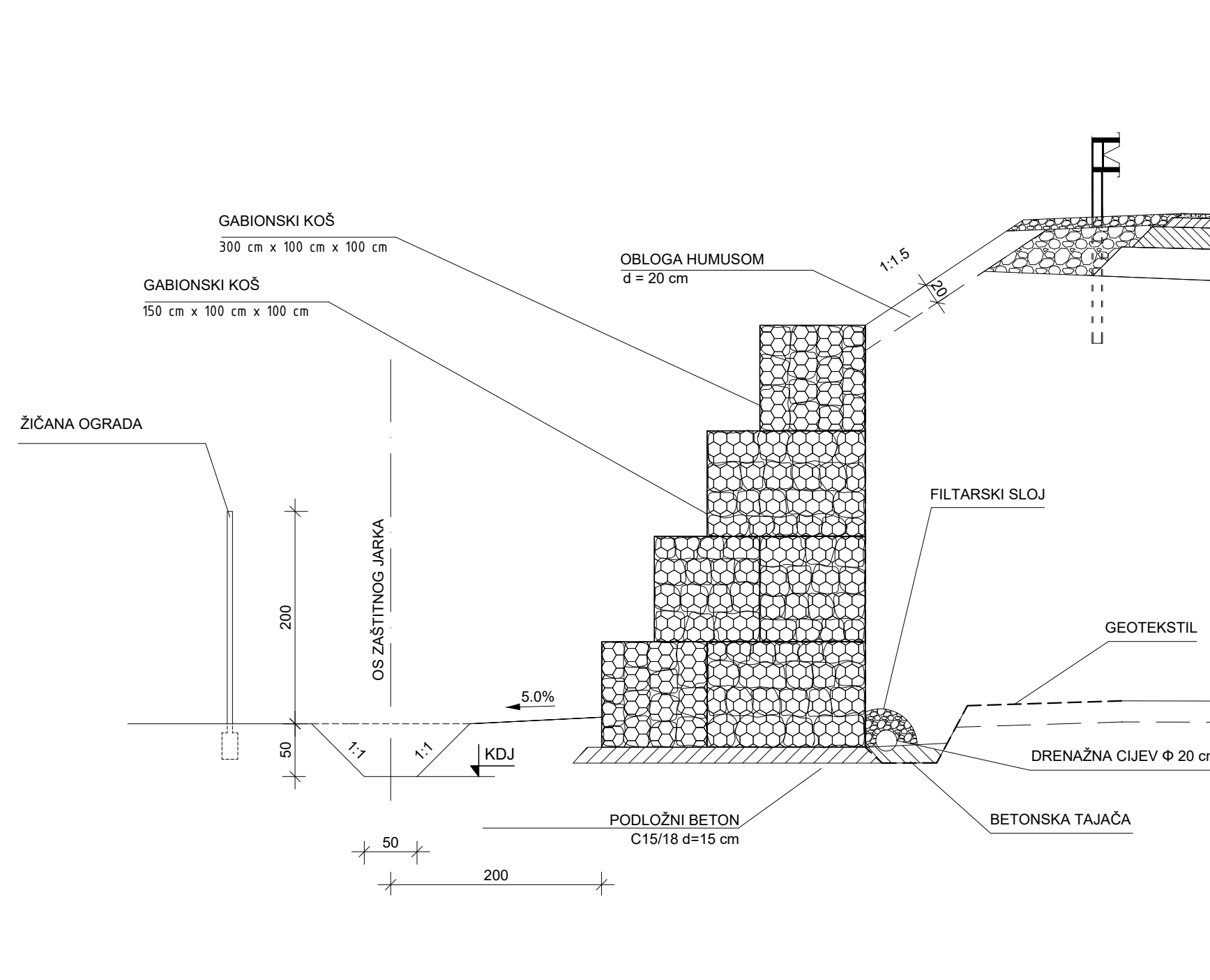
DIPLOMSKI RAD

Prilog: Uzdužni profil nerazvrstane ceste [varijanta 2]	0+000.000 - 813.228	Predano: veljača 2024.
Mjerilo: 1:2000/200	Br.pr.: 1	Rok pred.: veljača 2024.
Izradio: Valentino Mrazović, 0082053619		Mentor: Izv. prof. dr. sc. Ivica Stančerić

NORMALNI POPREČNI
PROFIL DC-12



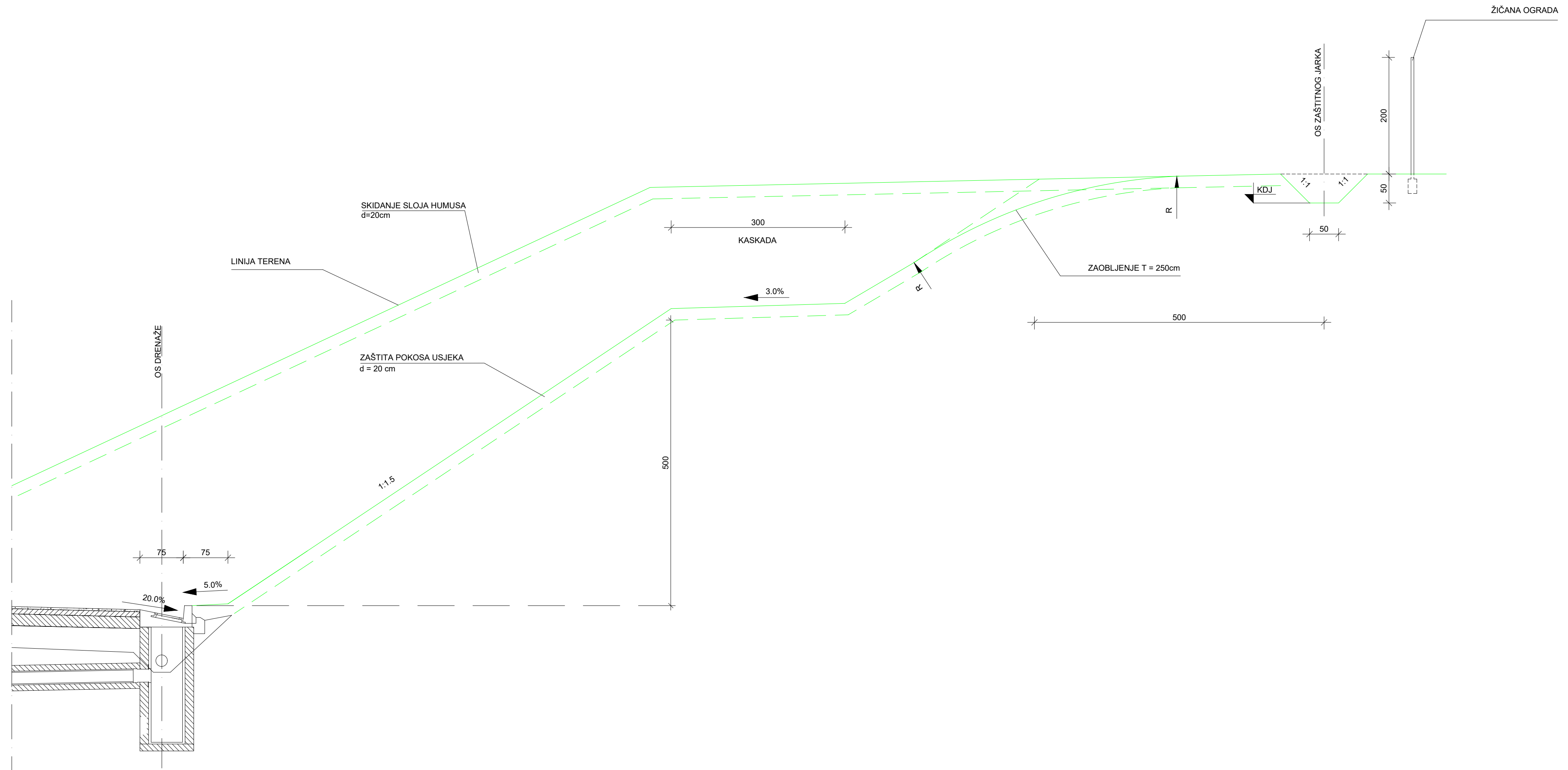
GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU	
DIPLOMSKI RAD	
Prilog: DC12 - Normalni poprečni presjek u pravcu	Predano: veljača 2024. Rok pred.: veljača 2024.
Mjerilo: 1:100	Br.pr.: 7.1
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

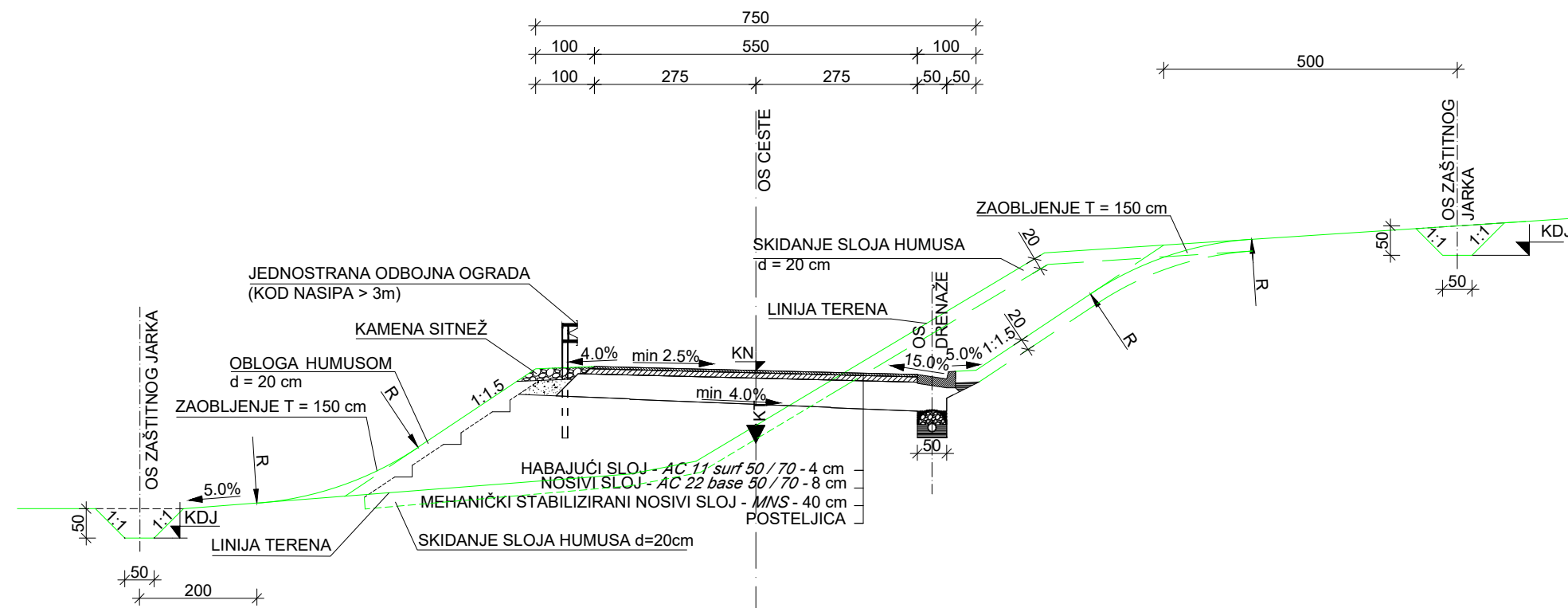
DIPLOMSKI RAD

Prilog: DC12 - Normalni poprečni presjek - visina nasipa > 5 m	Predano: veljača 2024.
Mjerilo: 1:50	Rok pred.: veljača 2024.
Izradio: Valentino Mrazović, 0082053619	Mentor: Izv. prof. dr. sc. Ivica Stančerić



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU			
DIPLOMSKI RAD			
Prilog: DC12 - Normalni poprečni presjek - visina usjeka >5 m		Predano: veljača 2024. Rok pred.: veljača 2024.	
Mjerilo: 1:50	Br.pr.: 7.3.2	Mentor: Izv. prof. dr. sc. Ivica Stančerić	
Izradio: Valentino Mrazović, 0082053619			

NORMALNI POPREČNI PROFIL
NERAZVRSTANA CESTA



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

DIPLOMSKI RAD

Prilog: Nerazvrstana cesta - Normalni
poprečni presjek

Predano: veljača 2024.

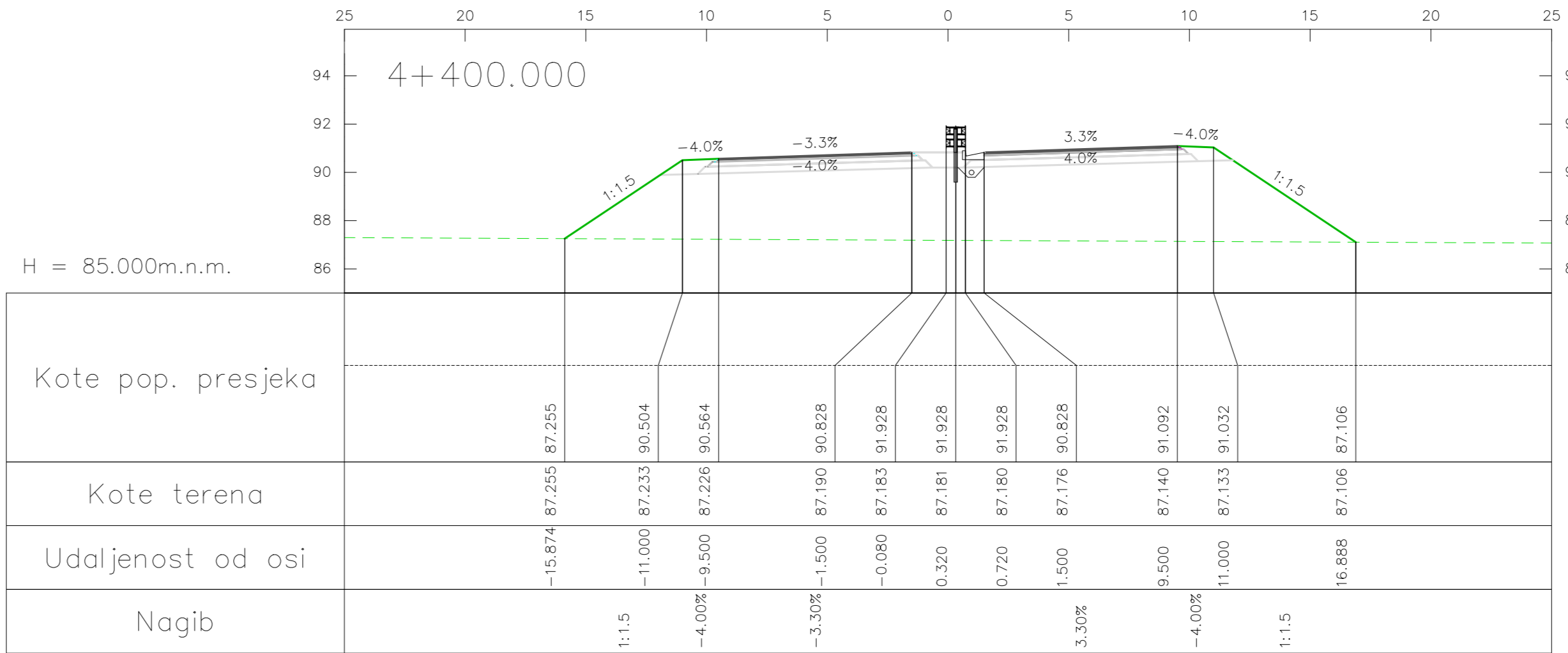
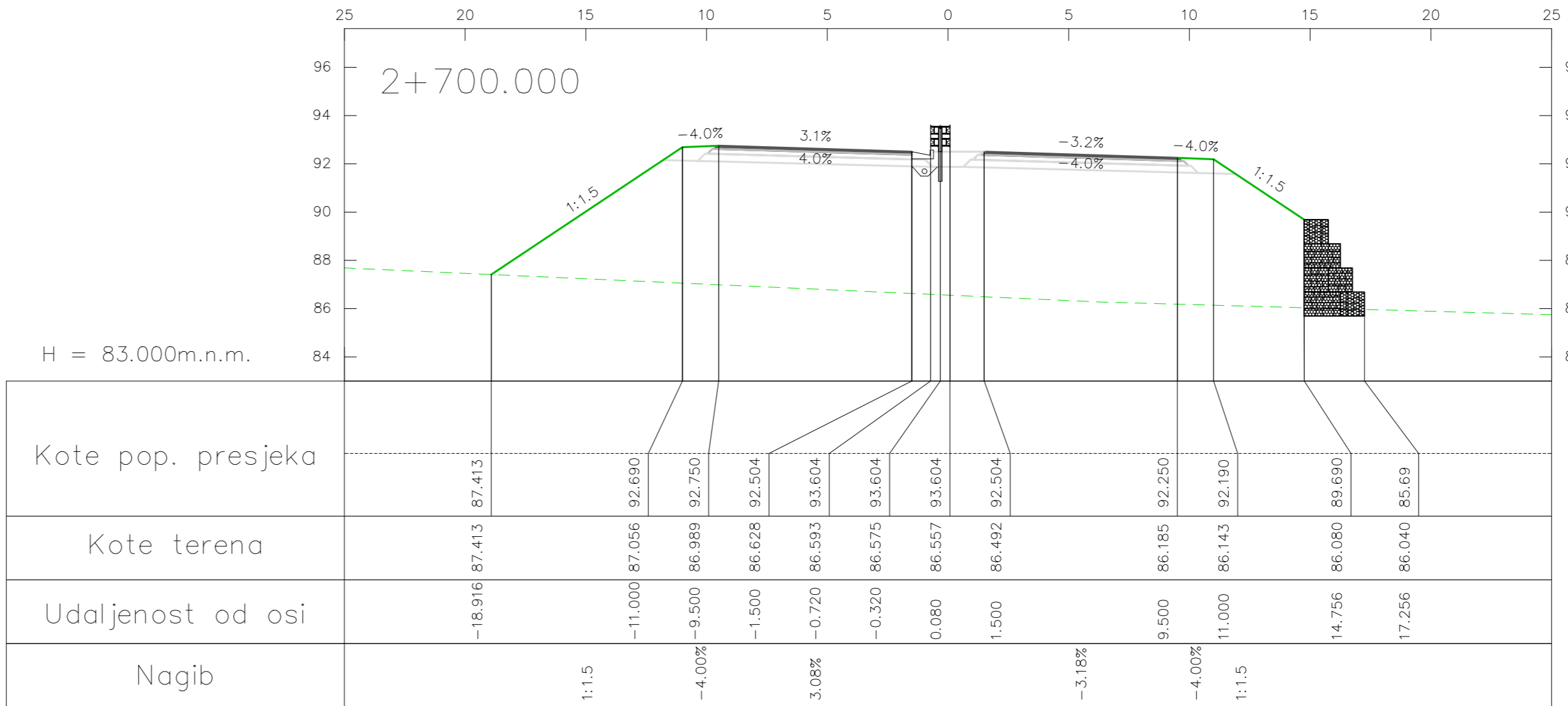
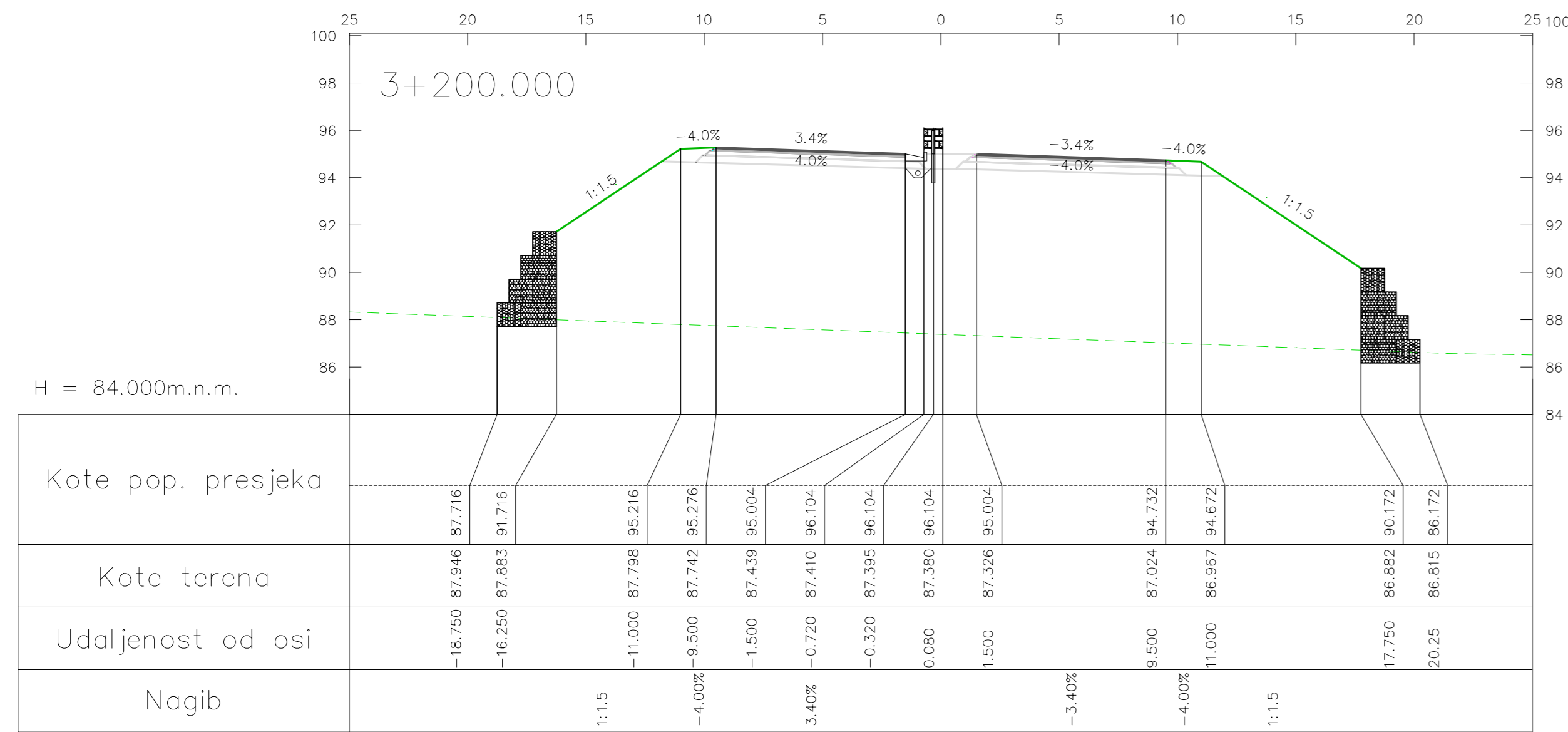
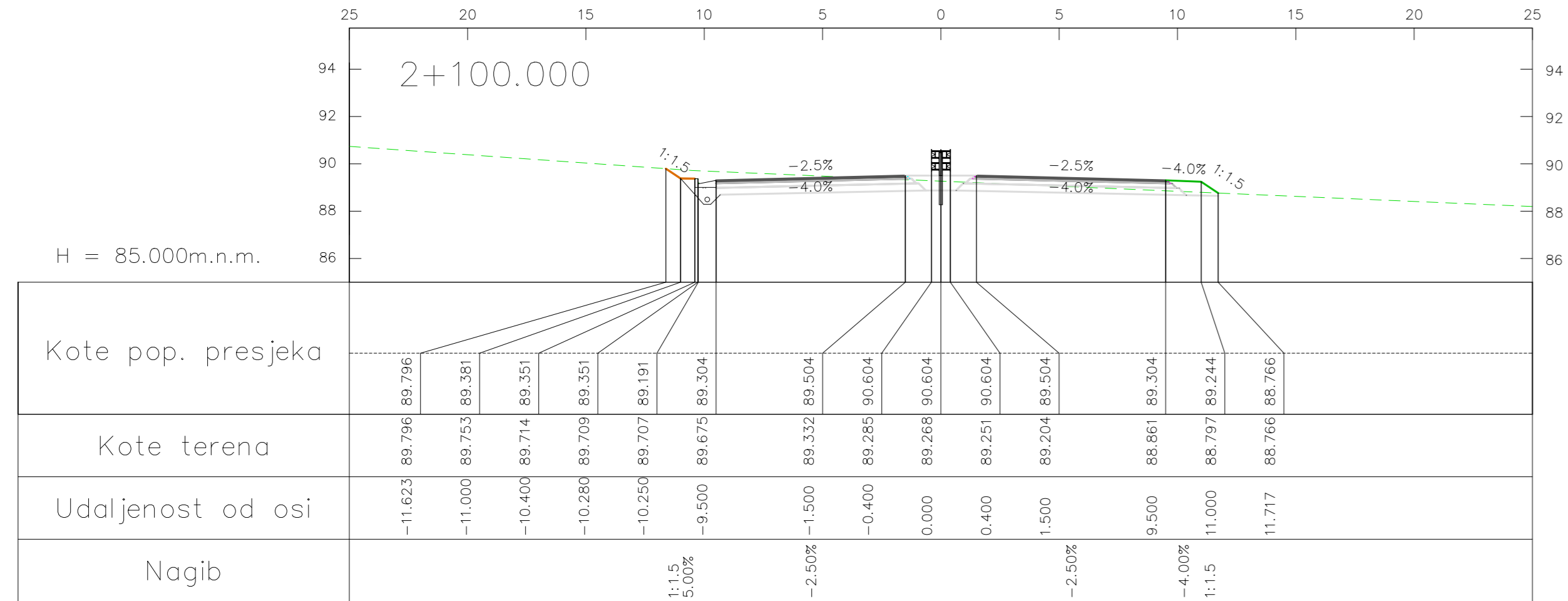
Rok pred.: veljača 2024.

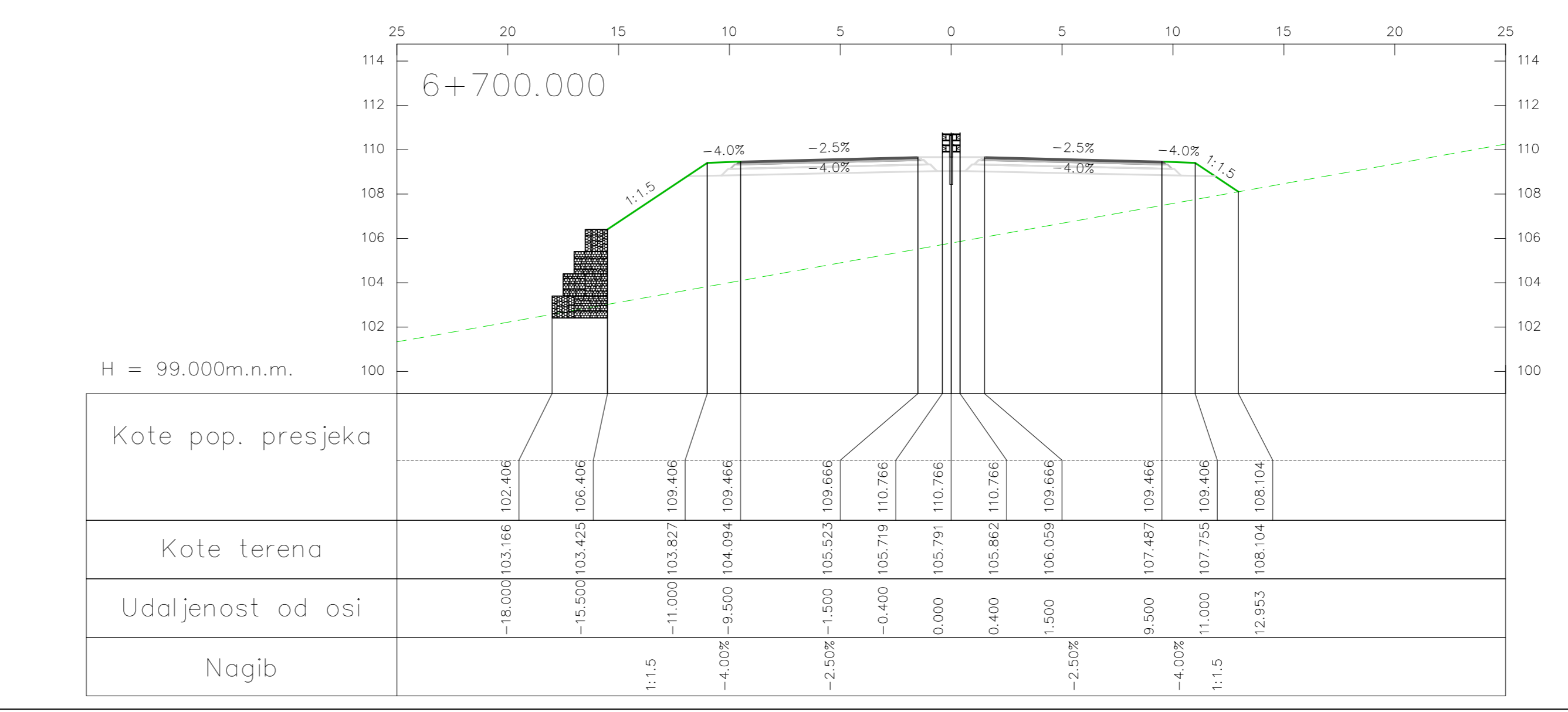
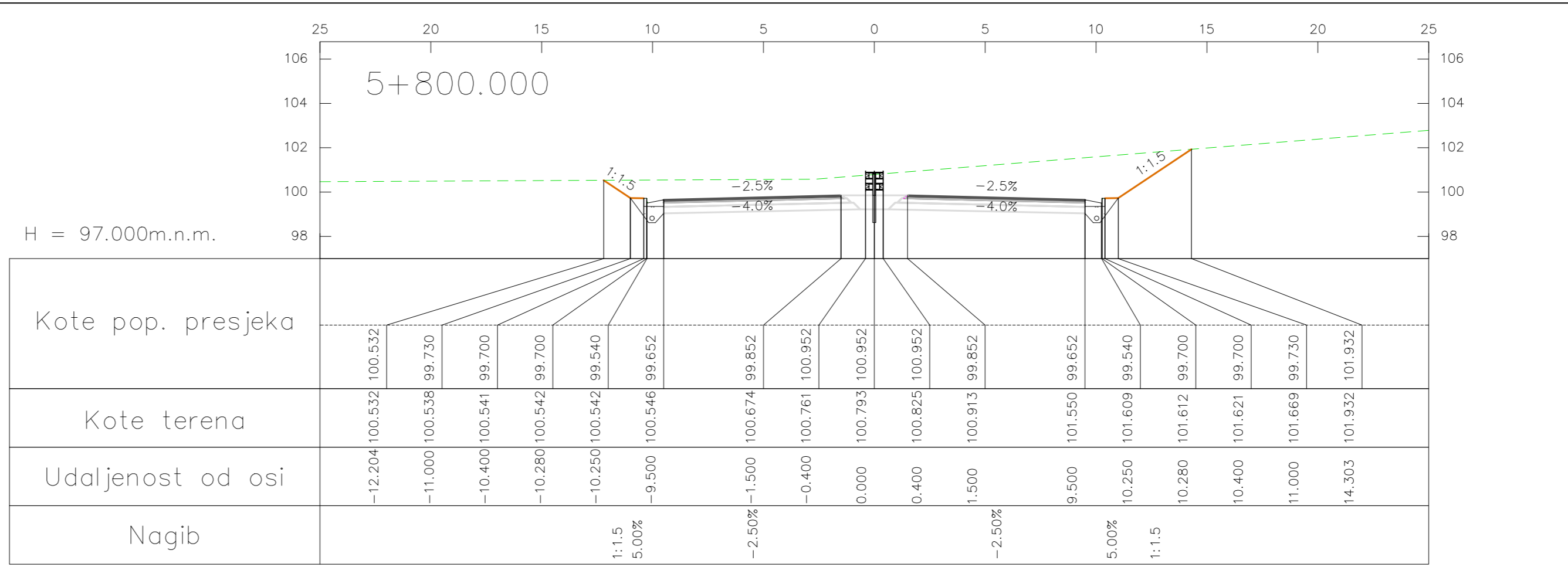
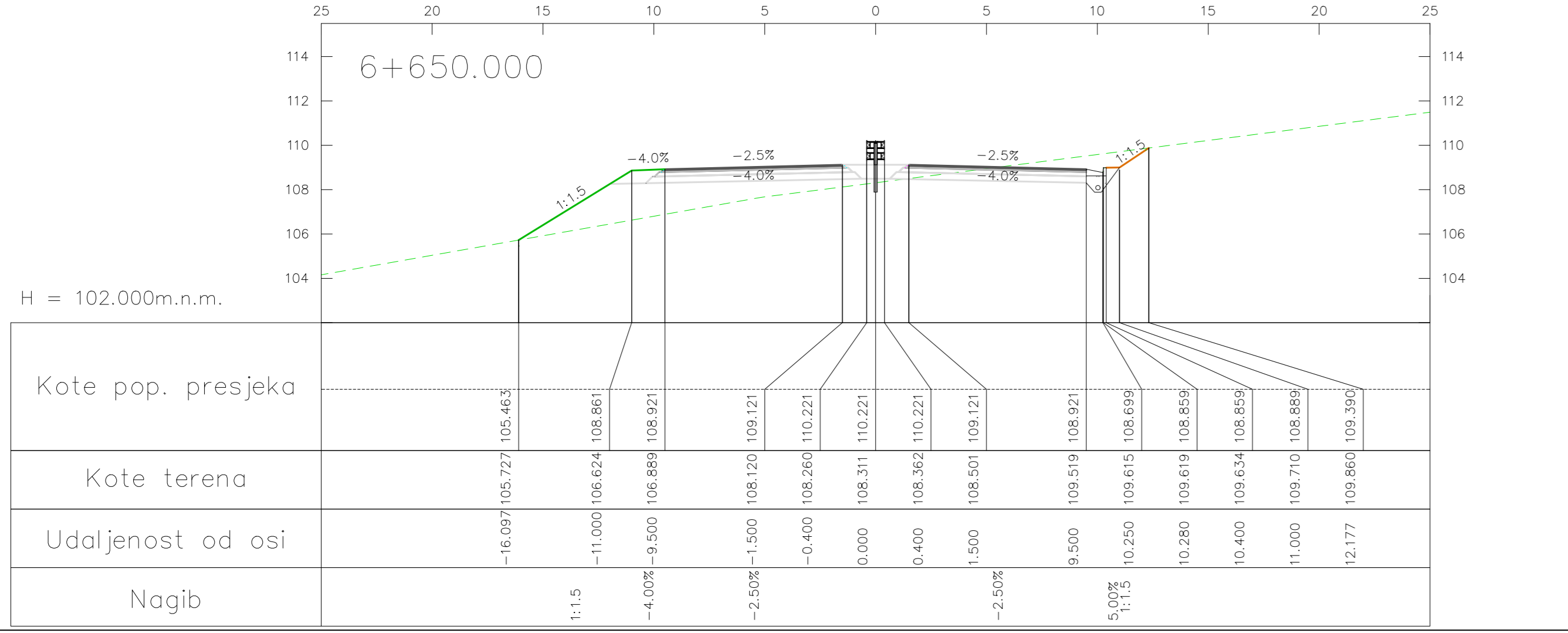
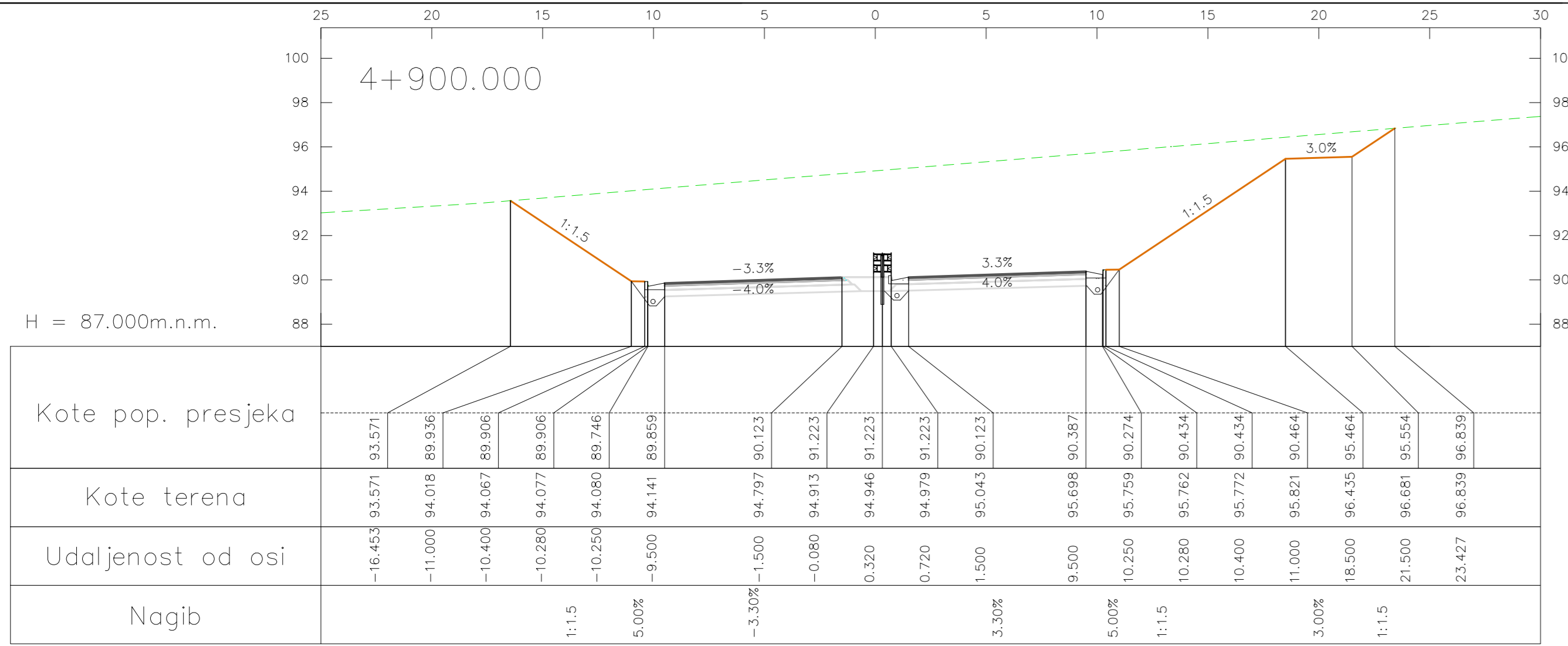
Mjerilo: 1:100

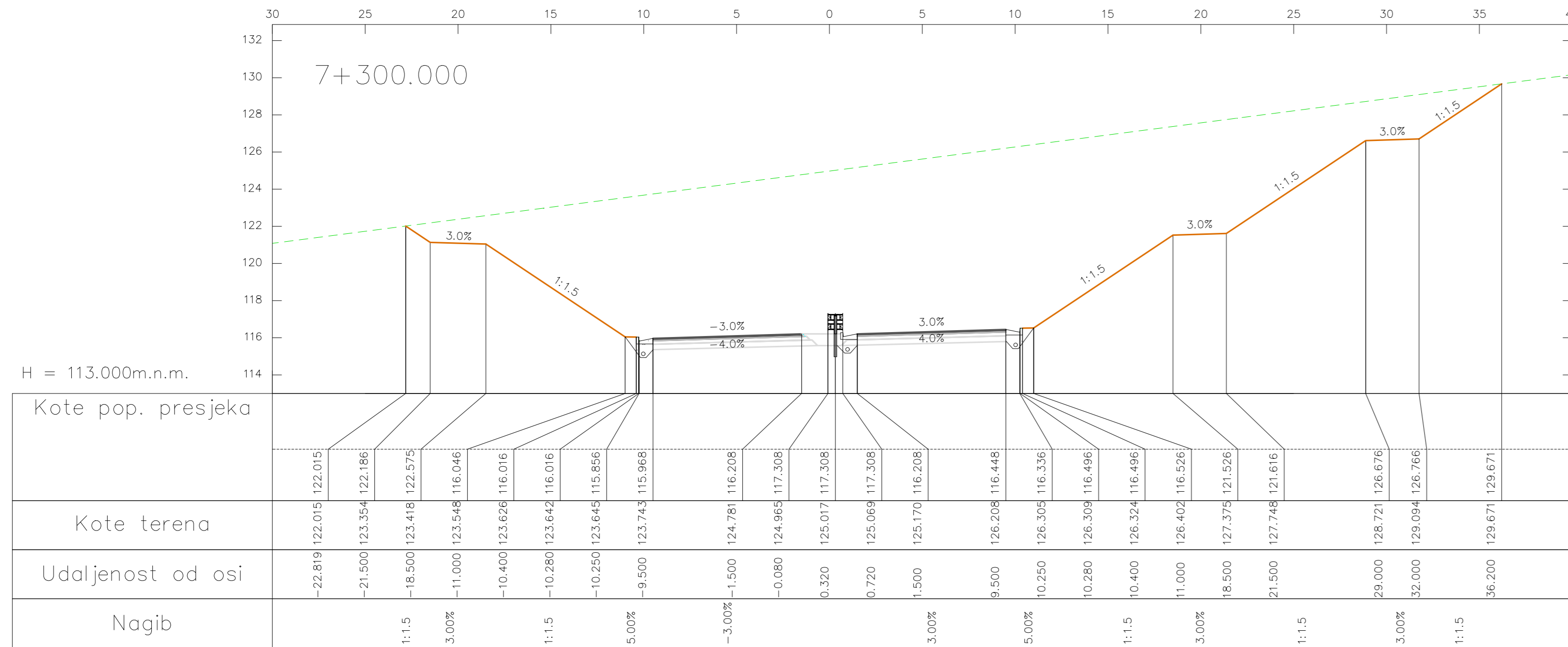
Br.pr.: 7,5

Izradio: Valentino Mrazović,
0082053619

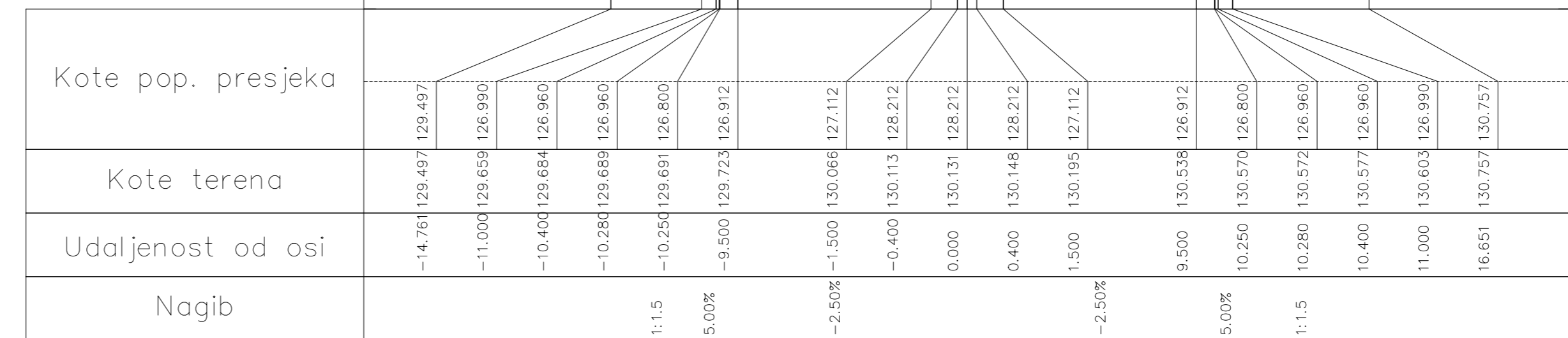
Mentor:
Izv. prof. dr. sc.
Ivica Stančerić



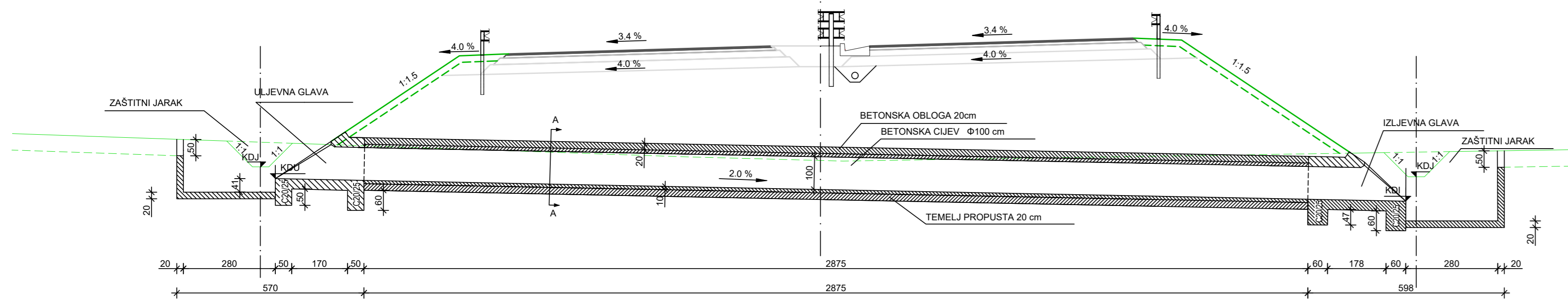
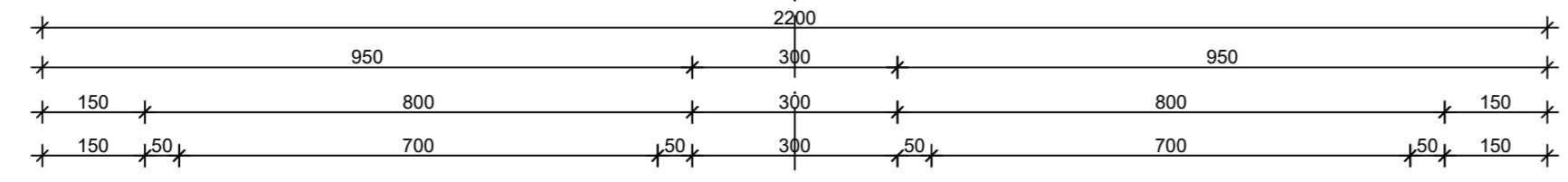




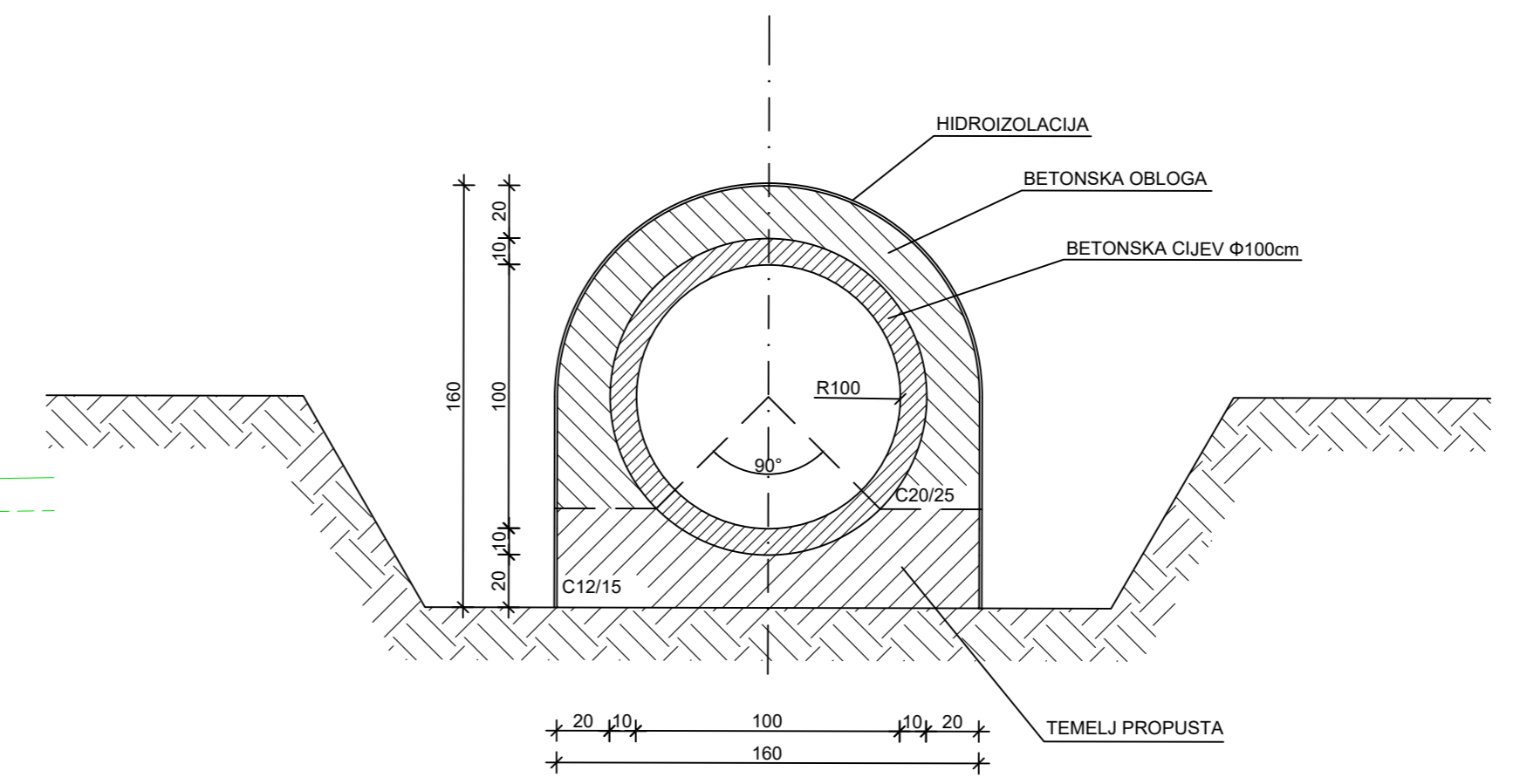
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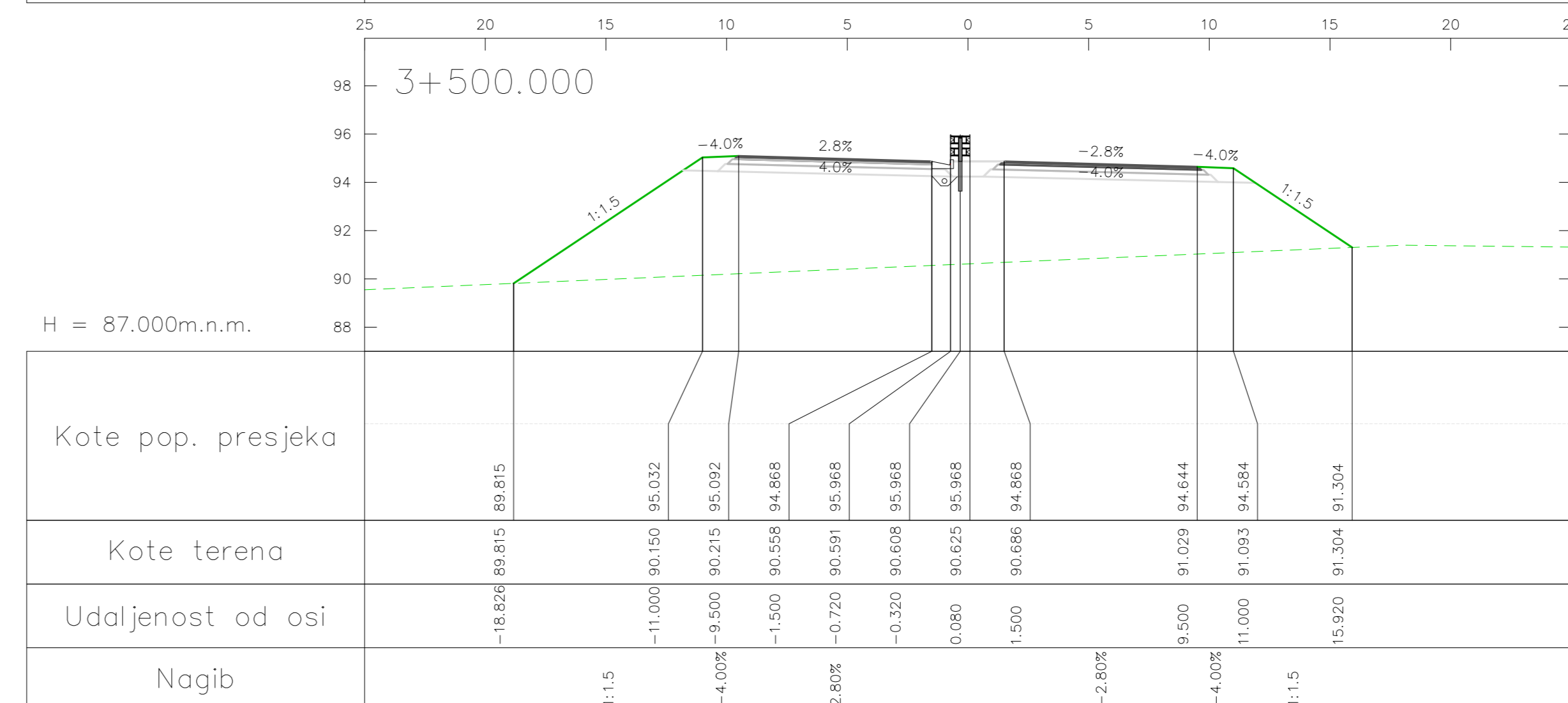
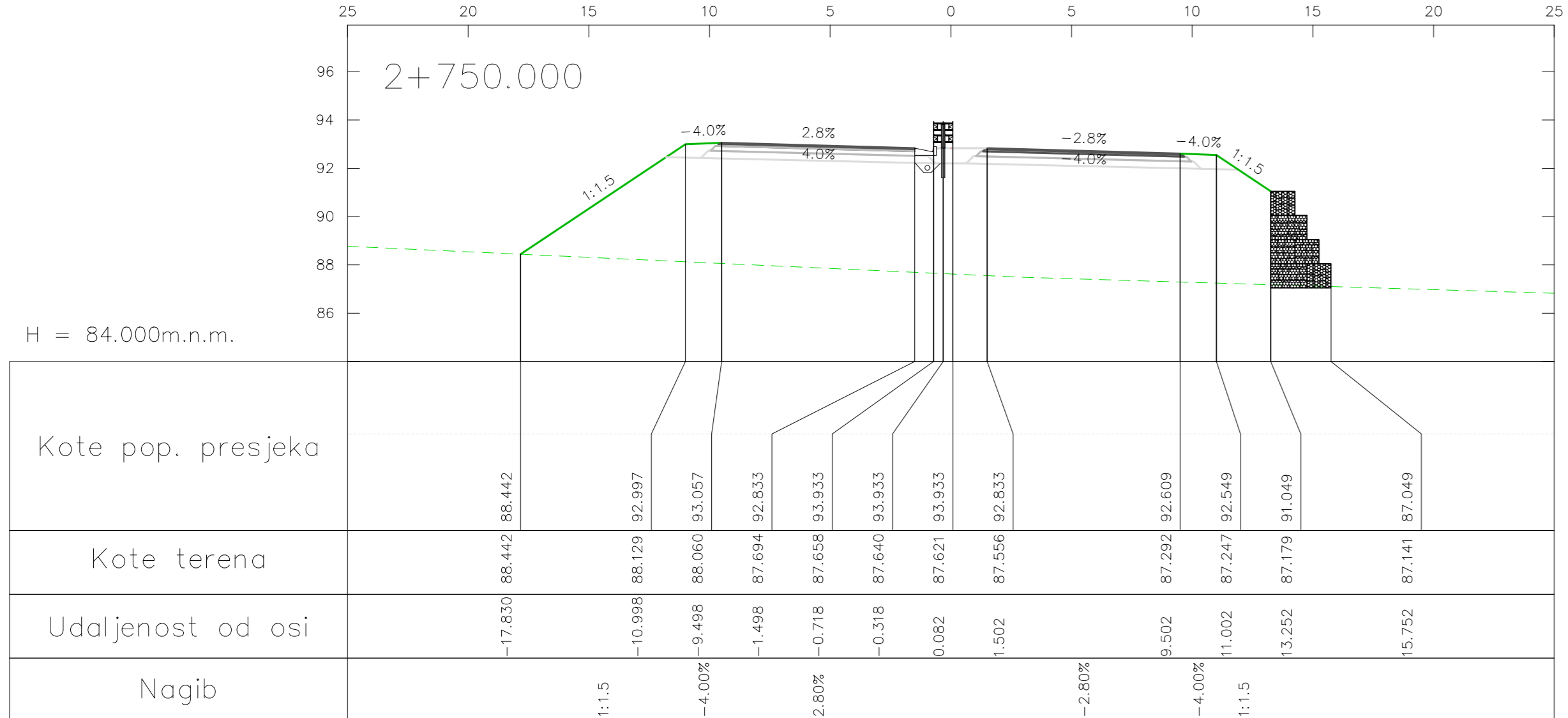
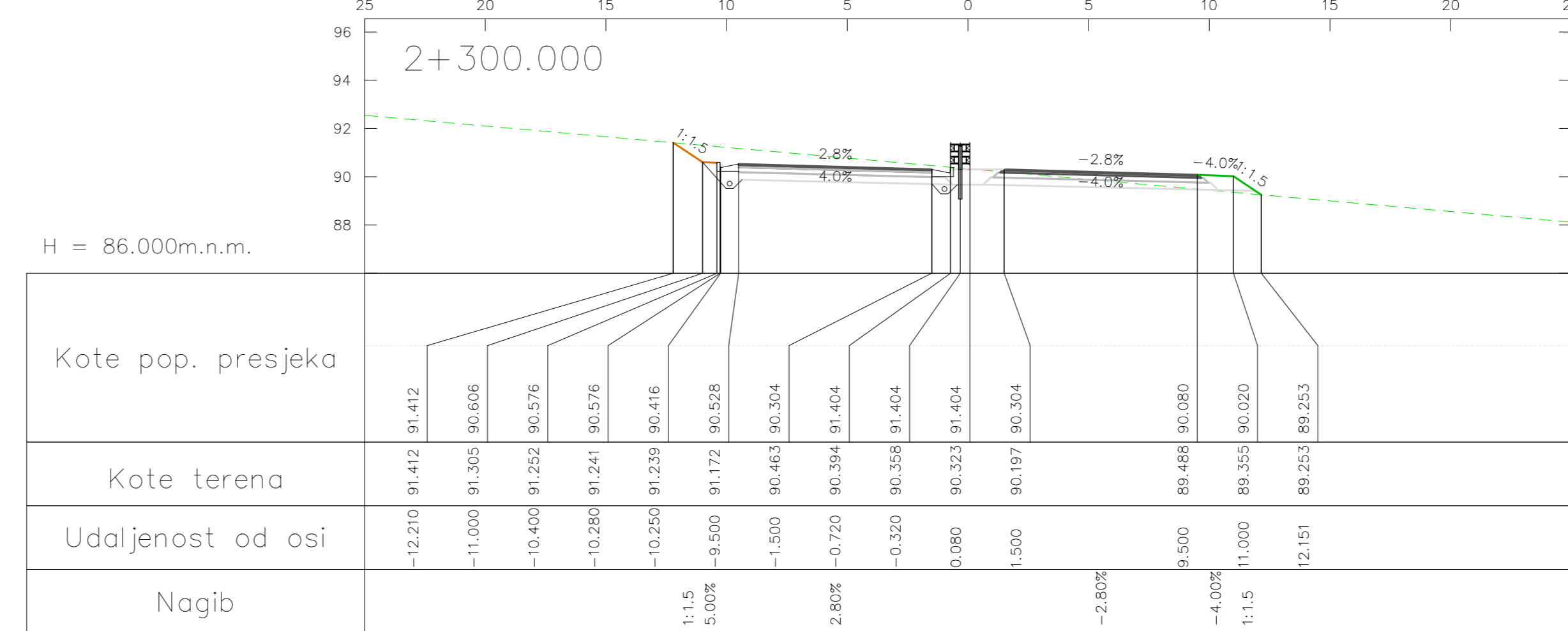
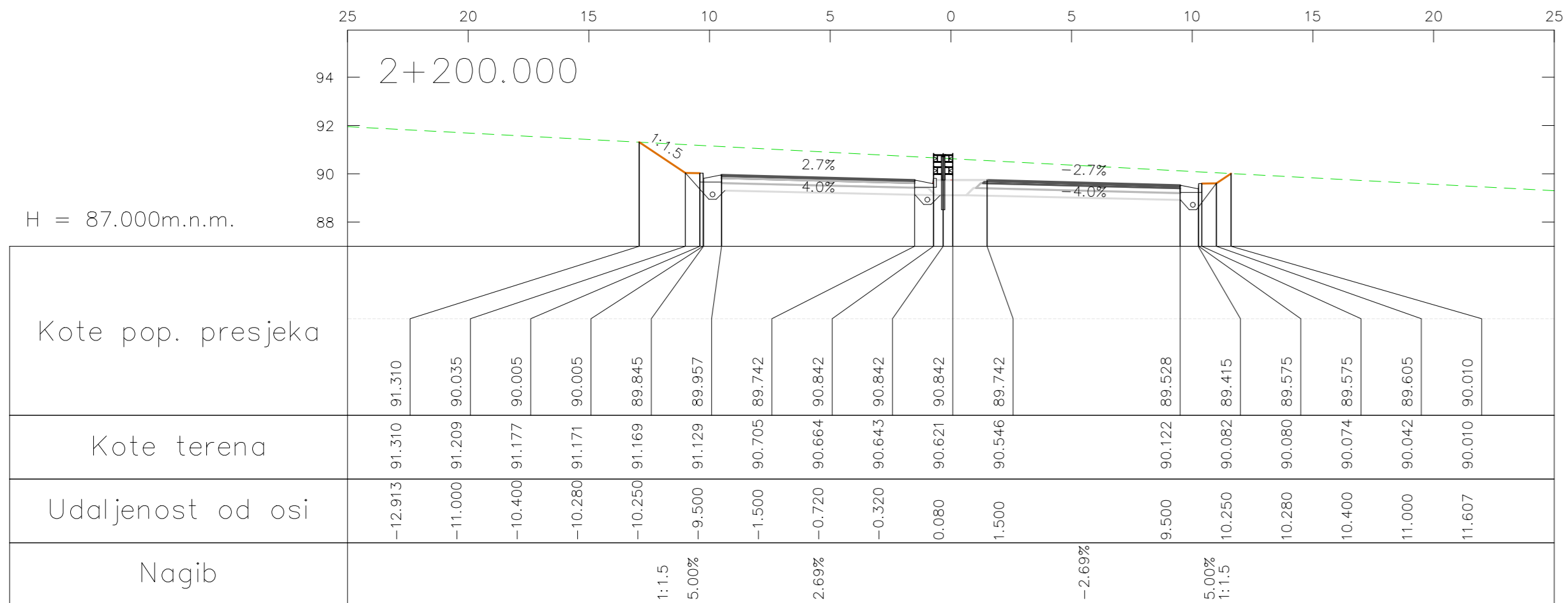


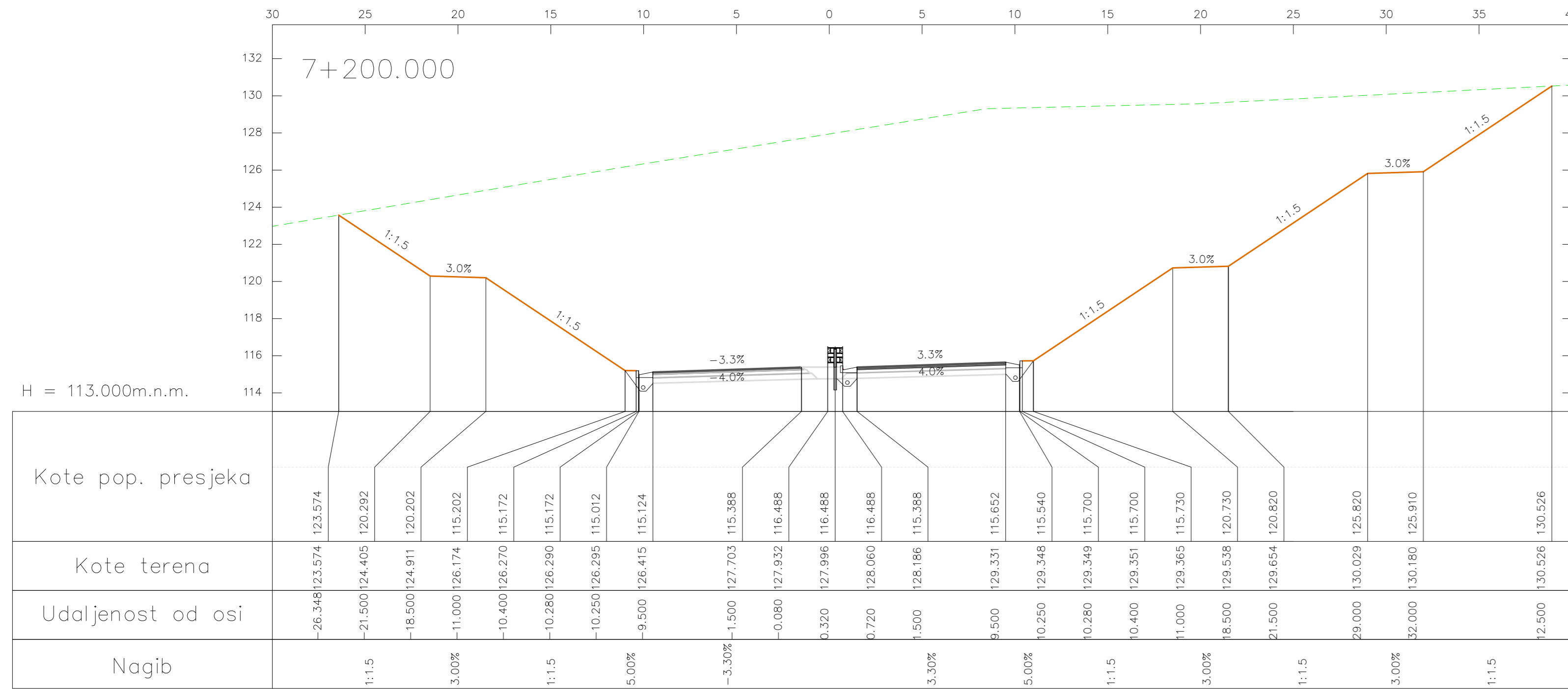
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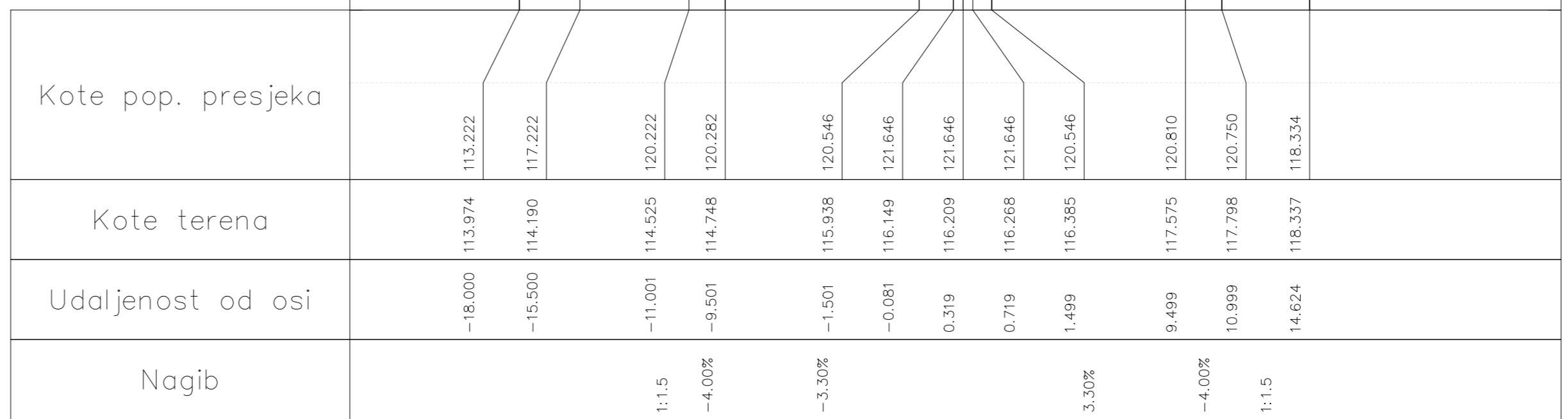
POPREČNI PRESJEK BETONSKOG CIJEVNOG PROPUSTA MJ 1:25 A-A



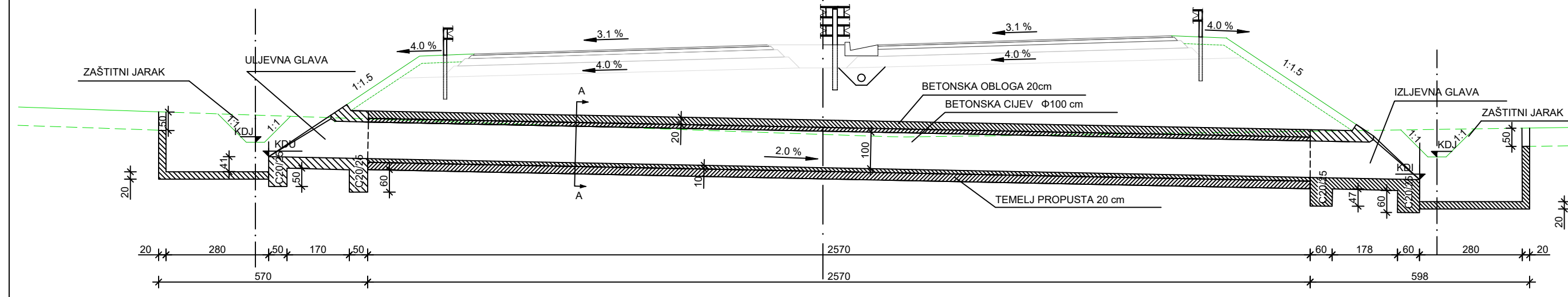
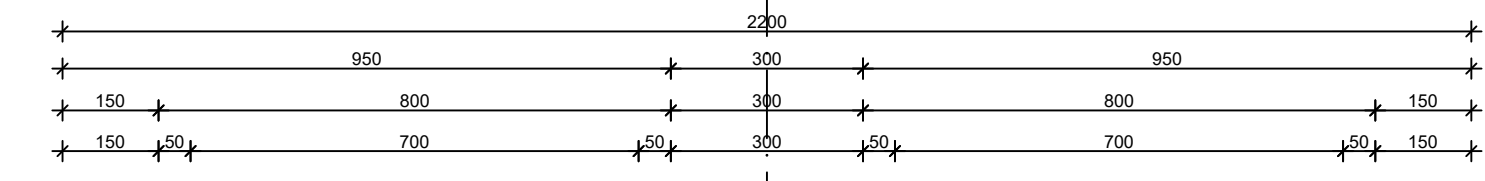




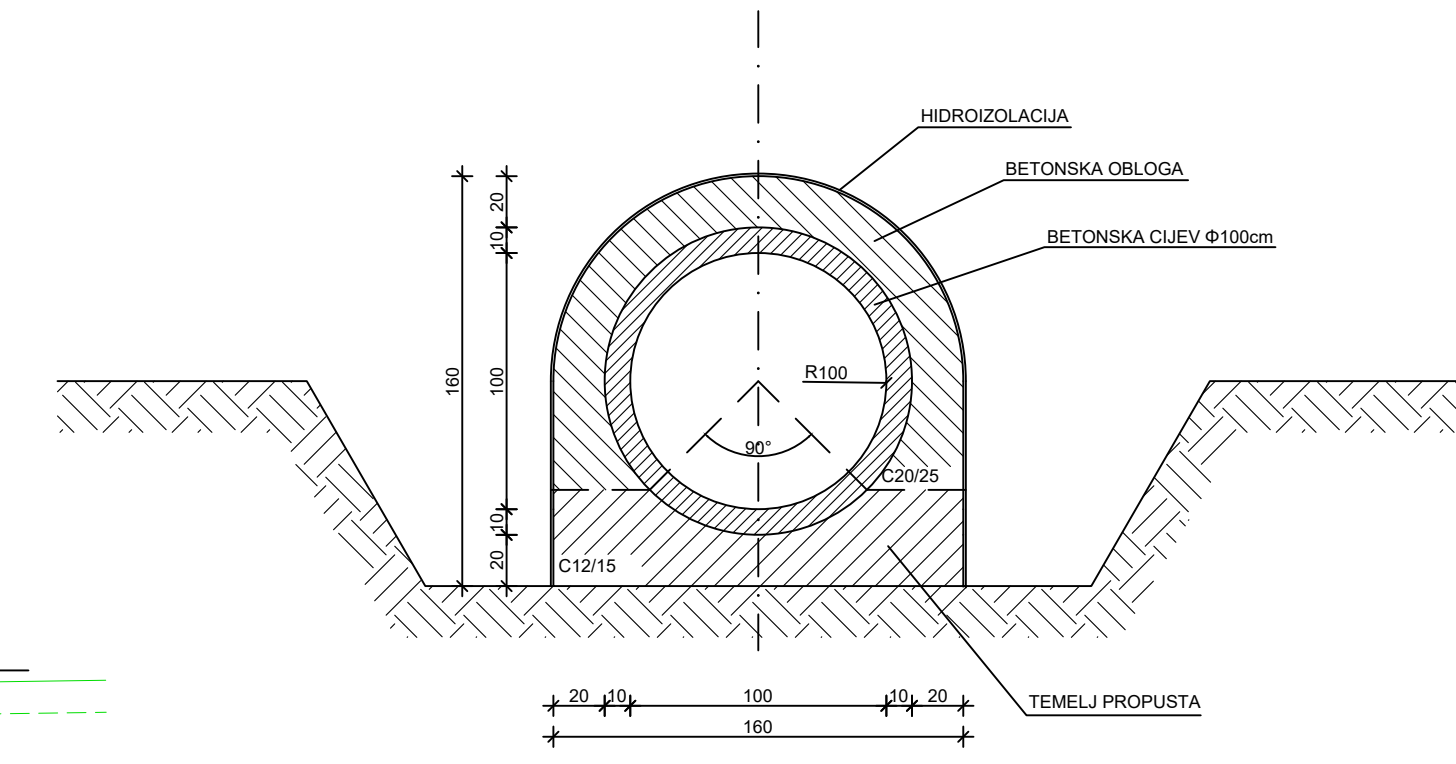
H = 110.000m.n.m.



0+996.893



POPREČNI PRESJEK BETONSKOG
CIJEVNOG PROPUSTA MJ 1:25 A-A



GRAĐEVINSKI FAKULTET SVEUČILIŠTA U
ZAGREBU

DIPLOMSKI RAD

Prilog: DC12 [VAR2] - Karakteristični
poprečni profil s propustom 0+ 996.893

Predano: veljača 2024.
Rok pred.: veljača 2024.

Mjerilo: 1:100

Br.pr.: 8.2.4

Izradio: Valentino Mrazović,
0082053619

Mentor:
Izv. prof. dr. sc.
Ivica Stančerić

Stacionaža oka	Stacionaža objekta	Nadmorska visina oka	Nadmorska visina objekta	Projektna brzina	Potrebna zaustavna preglednost	Postignuta zaustavna preglednost	Status
0.000	240.000	85,195	82,464	110	240	240	Postignuto
10.000	250.000	85,114	82,382	110	240	240	Postignuto
20.000	260.000	85,032	82,301	110	240	240	Postignuto
30.000	270.000	84,95	82,219	110	240	240	Postignuto
40.000	280.000	84,868	82,137	110	240	240	Postignuto
50.000	290.000	84,787	82,055	110	240	240	Postignuto
60.000	300.000	84,705	81,974	110	240	240	Postignuto
70.000	310.000	84,623	81,898	110	240	240	Postignuto
80.000	320.000	84,542	81,823	110	240	240	Postignuto
90.000	330.000	84,46	81,759	110	240	240	Postignuto
100.000	340.000	84,378	81,696	110	240	240	Postignuto
110.000	350.000	84,296	81,646	110	240	240	Postignuto
120.000	360.000	84,215	81,595	110	240	240	Postignuto
130.000	370.000	84,133	81,557	110	240	240	Postignuto
140.000	380.000	84,051	81,519	110	240	240	Postignuto
150.000	390.000	83,969	81,494	110	240	240	Postignuto
160.000	400.000	83,888	81,468	110	240	240	Postignuto
170.000	410.000	83,806	81,455	110	240	240	Postignuto
180.000	420.000	83,724	81,442	110	240	240	Postignuto
190.000	430.000	83,643	81,441	110	240	240	Postignuto
200.000	440.000	83,561	81,441	110	240	240	Postignuto
210.000	450.000	83,479	81,453	110	240	240	Postignuto
220.000	460.000	83,397	81,465	110	240	240	Postignuto
230.000	470.000	83,316	81,489	110	240	240	Postignuto
240.000	480.000	83,234	81,514	110	240	240	Postignuto
250.000	490.000	83,152	81,551	110	240	240	Postignuto
260.000	500.000	83,071	81,588	110	240	240	Postignuto
270.000	510.000	82,989	81,634	110	240	240	Postignuto
280.000	520.000	82,907	81,684	110	240	240	Postignuto
290.000	530.000	82,825	81,734	110	240	240	Postignuto
300.000	540.000	82,744	81,784	110	240	240	Postignuto
310.000	550.000	82,668	81,834	110	240	240	Postignuto
320.000	560.000	82,593	81,884	110	240	240	Postignuto
330.000	570.000	82,529	81,934	110	240	240	Postignuto
340.000	580.000	82,466	81,984	110	240	240	Postignuto
350.000	590.000	82,416	82,049	110	240	240	Postignuto
360.000	600.000	82,365	82,179	110	240	240	Postignuto
370.000	609.999	82,327	82,284	110	240	239,999	Postignuto
380.000	620.000	82,289	82,399	110	240	240	Postignuto
390.000	630.001	82,264	82,501	110	240	240,001	Postignuto
410.000	650.002	82,225	82,637	110	240	240,002	Postignuto
430.000	670.000	82,211	82,74	110	240	240	Postignuto
470.000	710.001	82,259	82,949	110	240	240,001	Postignuto
490.000	730.000	82,321	83,052	110	240	240	Postignuto
510.000	750.004	82,404	83,157	110	240	240,004	Postignuto
530.000	770.000	82,504	83,26	110	240	240	Postignuto
540.000	780.010	82,554	83,313	110	240	240,01	Postignuto
550.000	790.000	82,604	83,364	110	240	240	Postignuto
560.000	800.000	82,654	83,414	110	240	240	Postignuto
570.000	810.000	82,704	83,464	110	240	240	Postignuto
580.000	820.000	82,754	83,514	110	240	240	Postignuto
590.000	830.000	82,819	83,564	110	240	240	Postignuto
600.000	840.000	82,949	83,614	110	240	240	Postignuto
609.999	850.000	83,054	83,664	110	240	240,001	Postignuto
620.000	860.000	83,169	83,714	110	240	240	Postignuto
630.001	870.000	83,271	83,764	110	240	239,999	Postignuto
639.998	880.000	83,355	83,814	110	240	240,002	Postignuto
659.995	900.000	83,459	83,914	110	240	240,005	Postignuto
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689.999	930.000	83,614	84,064	110	240	240,001	Postignuto
699.994	940.000	83,667	84,114	110	240	240,006	Postignuto
710.001	950.000	83,719	84,164	110	240	239,999	Postignuto
719.992	960.000	83,771	84,214	110	240	240,008	Postignuto
730.000	970.000	83,822	84,264	110	240	240	Postignuto
739.995	980.000	83,875	84,314	110	240	240,005	Postignuto
759.990	1.000.000	83,979	84,414	110	240	240,01	Postignuto
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800.000	1.040.000	84,184	84,614	110	240	240	Postignuto
810.000	1.050.000	84,234	84,664	110	240	240	Postignuto
820.000	1.060.000	84,284	84,714	110	240	240	Postignuto
830.000	1.070.000	84,334	84,764	110	240	240	Postignuto
840.000	1.080.000	84,384	84,814	110	240	240	Postignuto
850.000	1.090.000	84,434	84,864	110	240	240	Postignuto
860.000	1.100.000	84,484	84,914	110	240	240	Postignuto
870.000	1.110.000	84,534	84,964	110	240	240	Postignuto
880.000	1.120.000	84,584	85,014	110	240	240	Postignuto
890.000	1.130.000	84,634	85,064	110	240	240	Postignuto
900.000	1.140.000	84,684	85,114	110	240	240	Postignuto
910.000	1.150.000	84,735	85,164	110	240	240	Postignuto
920.000	1.160.000	84,784	85,214	110	240	240	Postignuto
930.000	1.170.000	84,834	85,264	110	240	240	Postignuto
940.000	1.180.000	84,884	85,314	110	240	240	Postignuto
950.000	1.190.000	84,934	85,364	110	240	240	Postignuto
960.000	1.200.000	84,984	85,414	110	240	240	Postignuto

970.000	1.210.000	85,034	85,464	110	240	240	Postignuto
980.000	1.220.000	85,084	85,514	110	240	240	Postignuto
990.000	1.230.000	85,134	85,564	110	240	240	Postignuto
1.000.000	1.240.000	85,184	85,614	110	240	240	Postignuto
1.010.000	1.250.000	85,234	85,664	110	240	240	Postignuto
1.020.000	1.260.000	85,284	85,714	110	240	240	Postignuto
1.030.000	1.270.000	85,334	85,764	110	240	240	Postignuto
1.040.000	1.280.000	85,384	85,814	110	240	240	Postignuto
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1.080.000	1.320.000	85,584	86,014	110	240	240	Postignuto
1.090.000	1.330.000	85,634	86,064	110	240	240	Postignuto
1.100.000	1.340.000	85,684	86,114	110	240	240	Postignuto
1.110.000	1.350.000	85,734	86,164	110	240	240	Postignuto
1.120.000	1.360.000	85,784	86,214	110	240	240	Postignuto
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1.150.000	1.390.000	85,934	86,364	110	240	240	Postignuto
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1.170.000	1.410.000	86,034	86,464	110	240	240	Postignuto
1.180.000	1.420.000	86,084	86,514	110	240	240	Postignuto
1.190.000	1.430.000	86,134	86,564	110	240	240	Postignuto
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1.260.000	1.500.000	86,484	86,914	110	240	240	Postignuto
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1.340.000	1.580.000	86,884	87,314	110	240	240	Postignuto
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1.390.000	1.630.000	87,134	87,56	110	240	240	Postignuto
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1.420.000	1.660.006	87,284	87,705	110	240	240,006	Postignuto
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1.450.000	1.690.000	87,434	87,848	110	240	240	Postignuto
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1.570.000	1.810.000	88,034	88,136	110	240	240	Postignuto
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1.810.000	2.050.000	88,906	89,334	110	240	240	Postignuto
1.820.000	2.060.000	88,954	89,384	110	240	240	Postignuto
1.830.000	2.070.000	89,004	89,434	110	240	240	Postignuto
1.840.000	2.080.000	89,054	89,484	110	240	240	Postignuto
1.850.000	2.090.000	89,104	89,534	110	240	240	Postignuto
1.860.000	2.100.000	89,154	89,584	110	240	240	Postignuto
1.870.000	2.110.000	89,204	89,634	110	240	240	Postignuto
1.880.000	2.120.000	89,254	89,684	110	240	240	Postignuto
1.890.000	2.130.000	89,304	89,734	110	240	240	Postignuto
1.900.000	2.140.000	89,354	89,784	110	240	240	Postignuto
1.910.000	2.150.000	89,404	89,834	110	240	240	Postignuto
1.920.000	2.160.000	89,454	89,884	110	240	240	Postignuto
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1.950.000	2.190.000	89,604	90,034	110	240	240	Postignuto
1.960.000	2.200.000	89,654	90,084	110	240	240	Postignuto
1.970.000	2.210.000	89,704	90,134	110	240	240	Postignuto
1.980.000	2.220.000	89,754	90,184	110	240	240	Postignuto
1.990.000	2.230.000	89,804	90,234	110	240	240	Postignuto

2.000.000	2.240.000	89,854	90,284	110	240	240	Postignuto
2.010.000	2.250.000	89,904	90,334	110	240	240	Postignuto
2.020.000	2.260.000	89,954	90,384	110	240	240	Postignuto
2.030.000	2.270.000	90,004	90,434	110	240	240	Postignuto
2.040.000	2.280.000	90,054	90,484	110	240	240	Postignuto
2.050.000	2.290.000	90,104	90,534	110	240	240	Postignuto
2.060.000	2.300.000	90,154	90,584	110	240	240	Postignuto
2.070.000	2.310.000	90,204	90,634	110	240	240	Postignuto
2.080.000	2.320.000	90,254	90,684	110	240	240	Postignuto
2.090.000	2.330.000	90,304	90,734	110	240	240	Postignuto
2.100.000	2.340.000	90,354	90,784	110	240	240	Postignuto
2.110.000	2.350.000	90,404	90,834	110	240	240	Postignuto
2.120.000	2.360.000	90,454	90,884	110	240	240	Postignuto
2.130.000	2.370.000	90,504	90,934	110	240	240	Postignuto
2.140.000	2.380.000	90,554	90,984	110	240	240	Postignuto
2.150.000	2.390.000	90,604	91,034	110	240	240	Postignuto
2.160.000	2.400.000	90,654	91,084	110	240	240	Postignuto
2.170.000	2.410.000	90,704	91,134	110	240	240	Postignuto
2.180.000	2.420.000	90,754	91,184	110	240	240	Postignuto
2.190.000	2.430.000	90,804	91,234	110	240	240	Postignuto
2.200.000	2.440.000	90,854	91,284	110	240	240	Postignuto
2.210.000	2.450.000	90,904	91,334	110	240	240	Postignuto
2.220.000	2.460.000	90,954	91,384	110	240	240	Postignuto
2.230.000	2.470.000	91,004	91,434	110	240	240	Postignuto
2.240.000	2.480.000	91,054	91,484	110	240	240	Postignuto
2.250.000	2.490.000	91,104	91,534	110	240	240	Postignuto
2.260.000	2.500.000	91,154	91,584	110	240	240	Postignuto
2.270.000	2.510.000	91,204	91,634	110	240	240	Postignuto
2.280.000	2.520.000	91,254	91,684	110	240	240	Postignuto
2.290.000	2.530.000	91,304	91,734	110	240	240	Postignuto
2.300.000	2.540.000	91,354	91,784	110	240	240	Postignuto
2.310.000	2.550.000	91,404	91,834	110	240	240	Postignuto
2.320.000	2.560.000	91,454	91,884	110	240	240	Postignuto
2.330.000	2.570.000	91,504	91,934	110	240	240	Postignuto
2.340.000	2.580.001	91,554	91,981	110	240	240,001	Postignuto
2.350.000	2.590.000	91,604	92,027	110	240	240	Postignuto
2.370.000	2.610.000	91,704	92,121	110	240	240	Postignuto
2.390.000	2.630.002	91,804	92,216	110	240	240,002	Postignuto
2.400.000	2.640.005	91,854	92,262	110	240	240,005	Postignuto
2.410.000	2.649.999	91,904	92,308	110	240	239,999	Postignuto
2.420.000	2.659.999	91,954	92,356	110	240	239,999	Postignuto
2.430.000	2.670.000	92,004	92,402	110	240	240	Postignuto
2.450.000	2.690.003	92,104	92,496	110	240	240,003	Postignuto
2.490.000	2.730.000	92,304	92,683	110	240	240	Postignuto
2.510.000	2.750.000	92,404	92,78	110	240	240	Postignuto
2.520.000	2.760.000	92,454	92,83	110	240	240	Postignuto
2.530.000	2.770.000	92,504	92,88	110	240	240	Postignuto
2.540.000	2.780.000	92,554	92,93	110	240	240	Postignuto
2.550.000	2.790.000	92,604	92,98	110	240	240	Postignuto
2.560.000	2.800.000	92,654	93,03	110	240	240	Postignuto
2.570.000	2.810.000	92,704	93,08	110	240	240	Postignuto
2.590.000	2.830.000	92,797	93,18	110	240	240	Postignuto
2.599.998	2.840.000	92,845	93,23	110	240	240,002	Postignuto
2.610.000	2.850.000	92,891	93,28	110	240	240	Postignuto
2.619.997	2.860.000	92,939	93,33	110	240	240,003	Postignuto
2.649.999	2.890.000	93,078	93,481	110	240	240,001	Postignuto
2.659.999	2.900.000	93,126	93,53	110	240	240,001	Postignuto
2.670.000	2.910.000	93,172	93,58	110	240	240	Postignuto
2.679.992	2.920.000	93,22	93,63	110	240	240,008	Postignuto
2.699.993	2.940.000	93,313	93,73	110	240	240,007	Postignuto
2.709.997	2.950.000	93,359	93,781	110	240	240,003	Postignuto
2.719.997	2.960.000	93,407	93,83	110	240	240,003	Postignuto
2.730.000	2.970.000	93,453	93,88	110	240	240	Postignuto
2.739.987	2.980.000	93,501	93,93	110	240	240,013	Postignuto
2.750.000	2.990.000	93,55	93,98	110	240	240	Postignuto
2.760.000	3.000.000	93,6	94,03	110	240	240	Postignuto
2.770.000	3.010.000	93,65	94,08	110	240	240	Postignuto
2.780.000	3.020.000	93,7	94,13	110	240	240	Postignuto
2.790.000	3.030.000	93,75	94,18	110	240	240	Postignuto
2.800.000	3.040.000	93,8	94,23	110	240	240	Postignuto
2.810.000	3.050.000	93,85	94,28	110	240	240	Postignuto
2.820.000	3.060.000	93,9	94,33	110	240	240	Postignuto
2.830.000	3.070.000	93,95	94,38	110	240	240	Postignuto
2.840.000	3.080.000	94	94,43	110	240	240	Postignuto
2.850.000	3.090.000	94,05	94,481	110	240	240	Postignuto
2.860.000	3.100.000	94,1	94,53	110	240	240	Postignuto
2.870.000	3.110.000	94,15	94,58	110	240	240	Postignuto
2.880.000	3.120.000	94,2	94,63	110	240	240	Postignuto
2.890.000	3.130.000	94,251	94,68	110	240	240	Postignuto
2.900.000	3.140.000	94,3	94,73	110	240	240	Postignuto
2.910.000	3.150.000	94,35	94,781	110	240	240	Postignuto
2.920.000	3.160.000	94,4	94,83	110	240	240	Postignuto
2.930.000	3.170.000	94,45	94,88	110	240	240	Postignuto
2.940.000	3.180.000	94,5	94,93	110	240	240	Postignuto
2.950.000	3.190.000	94,551	94,98	110	240	240	Postignuto
2.960.000	3.200.000	94,6	95,03	110	240	240	Postignuto
2.970.000	3.210.000	94,65	95,08	110	240	240	Postignuto
2.980.000	3.220.000	94,7	95,13	110	240	240	Postignuto
2.990.000	3.230.000	94,75	95,18	110	240	240	Postignuto

3.000.000	3.240.000	94,8	95,23	110	240	240	Postignuto
3.010.000	3.250.000	94,85	95,28	110	240	240	Postignuto
3.020.000	3.260.000	94,9	95,33	110	240	240	Postignuto
3.030.000	3.270.000	94,95	95,38	110	240	240	Postignuto
3.040.000	3.280.000	95	95,429	110	240	240	Postignuto
3.050.000	3.290.000	95,05	95,472	110	240	240	Postignuto
3.060.000	3.300.000	95,1	95,513	110	240	240	Postignuto
3.070.000	3.310.000	95,15	95,548	110	240	240	Postignuto
3.080.000	3.320.000	95,2	95,578	110	240	240	Postignuto
3.090.000	3.330.000	95,251	95,604	110	240	240	Postignuto
3.100.000	3.340.000	95,3	95,626	110	240	240	Postignuto
3.110.000	3.350.000	95,35	95,642	110	240	240	Postignuto
3.120.000	3.360.000	95,4	95,655	110	240	240	Postignuto
3.130.000	3.370.000	95,45	95,663	110	240	240	Postignuto
3.140.000	3.380.000	95,5	95,667	110	240	240	Postignuto
3.150.000	3.390.000	95,551	95,665	110	240	240	Postignuto
3.160.000	3.400.000	95,6	95,66	110	240	240	Postignuto
3.170.000	3.410.000	95,65	95,649	110	240	240	Postignuto
3.180.000	3.420.000	95,7	95,635	110	240	240	Postignuto
3.190.000	3.430.000	95,75	95,615	110	240	240	Postignuto
3.200.000	3.440.000	95,8	95,592	110	240	240	Postignuto
3.210.000	3.450.000	95,85	95,563	110	240	240	Postignuto
3.220.000	3.460.000	95,9	95,53	110	240	240	Postignuto
3.230.000	3.470.000	95,95	95,492	110	240	240	Postignuto
3.240.000	3.480.000	96	95,45	110	240	240	Postignuto
3.250.000	3.490.000	96,05	95,404	110	240	240	Postignuto
3.260.000	3.500.000	96,1	95,354	110	240	240	Postignuto
3.270.000	3.510.000	96,15	95,304	110	240	240	Postignuto
3.280.000	3.520.000	96,199	95,254	110	240	240	Postignuto
3.290.000	3.530.000	96,242	95,204	110	240	240	Postignuto
3.300.000	3.540.000	96,283	95,154	110	240	240	Postignuto
3.310.000	3.550.000	96,318	95,105	110	240	240	Postignuto
3.320.000	3.560.000	96,348	95,054	110	240	240	Postignuto
3.330.000	3.570.000	96,374	95,004	110	240	240	Postignuto
3.340.000	3.580.000	96,396	94,954	110	240	240	Postignuto
3.350.000	3.590.000	96,412	94,904	110	240	240	Postignuto
3.360.000	3.600.000	96,425	94,854	110	240	240	Postignuto
3.370.000	3.610.000	96,433	94,805	110	240	240	Postignuto
3.380.000	3.620.000	96,437	94,754	110	240	240	Postignuto
3.390.000	3.630.000	96,435	94,704	110	240	240	Postignuto
3.400.000	3.640.000	96,43	94,654	110	240	240	Postignuto
3.410.000	3.650.000	96,419	94,604	110	240	240	Postignuto
3.420.000	3.660.000	96,405	94,554	110	240	240	Postignuto
3.430.000	3.670.000	96,385	94,504	110	240	240	Postignuto
3.440.000	3.680.000	96,362	94,454	110	240	240	Postignuto
3.450.000	3.690.000	96,333	94,405	110	240	240	Postignuto
3.460.000	3.700.000	96,3	94,354	110	240	240	Postignuto
3.470.000	3.710.000	96,262	94,304	110	240	240	Postignuto
3.480.000	3.720.000	96,22	94,254	110	240	240	Postignuto
3.490.000	3.730.000	96,174	94,204	110	240	240	Postignuto
3.500.000	3.740.000	96,124	94,154	110	240	240	Postignuto
3.510.000	3.750.000	96,074	94,105	110	240	240	Postignuto
3.520.000	3.760.000	96,024	94,054	110	240	240	Postignuto
3.530.000	3.770.000	95,974	94,004	110	240	240	Postignuto
3.540.000	3.780.000	95,924	93,954	110	240	240	Postignuto
3.550.000	3.790.000	95,875	93,904	110	240	240	Postignuto
3.560.000	3.800.000	95,824	93,854	110	240	240	Postignuto
3.570.000	3.810.000	95,774	93,805	110	240	240	Postignuto
3.580.000	3.820.000	95,724	93,754	110	240	240	Postignuto
3.590.000	3.830.000	95,674	93,704	110	240	240	Postignuto
3.600.000	3.840.000	95,624	93,654	110	240	240	Postignuto
3.610.000	3.850.000	95,575	93,604	110	240	240	Postignuto
3.620.000	3.860.000	95,524	93,554	110	240	240	Postignuto
3.630.000	3.870.000	95,474	93,504	110	240	240	Postignuto
3.640.000	3.880.000	95,424	93,454	110	240	240	Postignuto
3.650.000	3.890.000	95,374	93,404	110	240	240	Postignuto
3.660.000	3.900.000	95,324	93,354	110	240	240	Postignuto
3.670.000	3.910.000	95,274	93,304	110	240	240	Postignuto
3.680.000	3.920.000	95,224	93,254	110	240	240	Postignuto
3.690.000	3.930.000	95,175	93,204	110	240	240	Postignuto
3.700.000	3.940.000	95,124	93,154	110	240	240	Postignuto
3.710.000	3.950.000	95,074	93,105	110	240	240	Postignuto
3.720.000	3.960.000	95,024	93,054	110	240	240	Postignuto
3.730.000	3.970.000	94,974	93,004	110	240	240	Postignuto
3.740.000	3.980.000	94,924	92,954	110	240	240	Postignuto
3.750.000	3.990.000	94,875	92,904	110	240	240	Postignuto
3.760.000	4.000.000	94,824	92,854	110	240	240	Postignuto
3.770.000	4.010.000	94,774	92,805	110	240	240	Postignuto
3.780.000	4.020.000	94,724	92,754	110	240	240	Postignuto
3.790.000	4.030.000	94,674	92,704	110	240	240	Postignuto
3.800.000	4.040.000	94,624	92,654	110	240	240	Postignuto
3.810.000	4.050.000	94,575	92,604	110	240	240	Postignuto
3.840.000	4.079.999	94,424	92,465	110	240	239,999	Postignuto
3.870.000	4.110.003	94,274	92,325	110	240	240,003	Postignuto
3.900.000	4.140.006	94,124	92,187	110	240	240,006	Postignuto
3.910.000	4.150.000	94,074	92,14	110	240	240	Postignuto
3.920.000	4.160.001	94,024	92,095	110	240	240,001	Postignuto
3.930.000	4.170.002	93,974	92,049	110	240	240,002	Postignuto
3.950.000	4.190.000	93,875	91,956	110	240	240	Postignuto

3.960.000	4.200.000	93,824	91,938	110	240	240	Postignuto
3.970.000	4.210.000	93,774	91,928	110	240	240	Postignuto
3.980.000	4.220.000	93,724	91,958	110	240	240	Postignuto
3.990.000	4.230.000	93,674	91,948	110	240	240	Postignuto
4.000.000	4.240.000	93,624	91,978	110	240	240	Postignuto
4.020.000	4.260.002	93,524	91,913	110	240	240,002	Postignuto
4.030.000	4.270.001	93,474	91,865	110	240	240,001	Postignuto
4.040.000	4.280.001	93,424	91,819	110	240	240,001	Postignuto
4.050.000	4.290.000	93,374	91,772	110	240	240	Postignuto
4.059.994	4.300.005	93,328	91,726	110	240	240,012	Postignuto
4.069.999	4.309.998	93,28	91,678	110	240	239,999	Postignuto
4.089.995	4.330.003	93,189	91,586	110	240	240,008	Postignuto
4.110.003	4.350.002	93,095	91,492	110	240	240	Postignuto
4.119.995	4.360.003	93,05	91,446	110	240	240,008	Postignuto
4.129.998	4.369.999	93,003	91,398	110	240	240,001	Postignuto
4.150.000	4.390.000	92,91	91,306	110	240	240	Postignuto
4.160.001	4.400.000	92,865	91,256	110	240	239,999	Postignuto
4.179.998	4.420.000	92,772	91,156	110	240	240,002	Postignuto
4.190.000	4.430.000	92,726	91,107	110	240	240	Postignuto
4.200.000	4.440.000	92,708	91,056	110	240	240	Postignuto
4.210.000	4.450.000	92,698	91,006	110	240	240	Postignuto
4.220.000	4.460.000	92,728	90,956	110	240	240	Postignuto
4.230.000	4.470.000	92,718	90,906	110	240	240	Postignuto
4.240.000	4.480.000	92,748	90,856	110	240	240	Postignuto
4.249.999	4.490.000	92,729	90,806	110	240	240,001	Postignuto
4.270.001	4.510.000	92,635	90,707	110	240	239,999	Postignuto
4.280.001	4.520.000	92,589	90,656	110	240	239,999	Postignuto
4.290.000	4.530.000	92,542	90,606	110	240	240	Postignuto
4.309.998	4.550.000	92,448	90,506	110	240	240,002	Postignuto
4.319.995	4.560.000	92,403	90,456	110	240	240,005	Postignuto
4.339.993	4.580.000	92,309	90,356	110	240	240,007	Postignuto
4.369.999	4.610.000	92,168	90,206	110	240	240,001	Postignuto
4.379.994	4.620.000	92,123	90,156	110	240	240,006	Postignuto
4.390.000	4.630.000	92,076	90,107	110	240	240	Postignuto
4.400.000	4.640.000	92,026	90,061	110	240	240	Postignuto
4.410.000	4.650.000	91,976	90,022	110	240	240	Postignuto
4.420.000	4.660.000	91,926	89,984	110	240	240	Postignuto
4.430.000	4.670.000	91,877	89,955	110	240	240	Postignuto
4.440.000	4.680.000	91,826	89,927	110	240	240	Postignuto
4.450.000	4.690.000	91,776	89,906	110	240	240	Postignuto
4.460.000	4.700.000	91,726	89,888	110	240	240	Postignuto
4.470.000	4.710.000	91,676	89,877	110	240	240	Postignuto
4.480.000	4.720.000	91,626	89,869	110	240	240	Postignuto
4.490.000	4.730.000	91,576	89,868	110	240	240	Postignuto
4.500.000	4.740.000	91,526	89,868	110	240	240	Postignuto
4.510.000	4.750.000	91,477	89,877	110	240	240	Postignuto
4.520.000	4.760.000	91,426	89,887	110	240	240	Postignuto
4.530.000	4.770.000	91,376	89,904	110	240	240	Postignuto
4.540.000	4.780.000	91,326	89,925	110	240	240	Postignuto
4.550.000	4.790.000	91,276	89,952	110	240	240	Postignuto
4.560.000	4.800.000	91,226	89,981	110	240	240	Postignuto
4.570.000	4.810.000	91,177	90,019	110	240	240	Postignuto
4.580.000	4.820.000	91,126	90,057	110	240	240	Postignuto
4.590.000	4.830.000	91,077	90,104	110	240	240	Postignuto
4.600.000	4.840.000	91,026	90,152	110	240	240	Postignuto
4.610.000	4.850.000	90,976	90,207	110	240	240	Postignuto
4.620.000	4.860.000	90,926	90,266	110	240	240	Postignuto
4.630.000	4.870.000	90,877	90,332	110	240	240	Postignuto
4.640.000	4.880.000	90,831	90,399	110	240	240	Postignuto
4.650.000	4.890.000	90,792	90,475	110	240	240	Postignuto
4.660.000	4.900.000	90,754	90,551	110	240	240	Postignuto
4.670.000	4.910.000	90,725	90,635	110	240	240	Postignuto
4.680.000	4.920.000	90,697	90,722	110	240	240	Postignuto
4.690.000	4.930.000	90,676	90,815	110	240	240	Postignuto
4.700.000	4.940.000	90,658	90,912	110	240	240	Postignuto
4.710.000	4.950.000	90,647	91,016	110	240	240	Postignuto
4.720.000	4.960.000	90,639	91,121	110	240	240	Postignuto
4.730.000	4.970.000	90,638	91,231	110	240	240	Postignuto
4.740.000	4.980.000	90,638	91,339	110	240	240	Postignuto
4.750.000	4.990.000	90,647	91,448	110	240	240	Postignuto
4.760.000	5.000.000	90,657	91,557	110	240	240	Postignuto
4.770.000	5.010.000	90,674	91,666	110	240	240	Postignuto
4.780.000	5.020.000	90,695	91,775	110	240	240	Postignuto
4.790.000	5.030.000	90,722	91,885	110	240	240	Postignuto
4.800.000	5.040.000	90,751	91,993	110	240	240	Postignuto
4.810.000	5.050.000	90,789	92,103	110	240	240	Postignuto
4.820.000	5.060.000	90,827	92,211	110	240	240	Postignuto
4.830.000	5.070.000	90,874	92,321	110	240	240	Postignuto
4.840.000	5.080.000	90,922	92,429	110	240	240	Postignuto
4.850.000	5.090.000	90,977	92,539	110	240	240	Postignuto
4.860.000	5.100.000	91,036	92,647	110	240	240	Postignuto
4.870.000	5.110.000	91,102	92,757	110	240	240	Postignuto
4.880.000	5.120.000	91,169	92,866	110	240	240	Postignuto
4.890.000	5.130.000	91,245	92,975	110	240	240	Postignuto
4.900.000	5.140.000	91,321	93,084	110	240	240	Postignuto
4.910.000	5.150.000	91,405	93,193	110	240	240	Postignuto
4.920.000	5.160.000	91,492	93,302	110	240	240	Postignuto
4.940.000	5.180.008	91,682	93,515	110	240	240,008	Postignuto
4.950.000	5.190.003	91,786	93,618	110	240	240,003	Postignuto

4.970.000	5.210.000	92,001	93,828	110	240	240	Postignuto
4.980.000	5.220.009	92,109	93,935	110	240	240,009	Postignuto
5.010.000	5.250.003	92,436	94,249	110	240	240,003	Postignuto
5.030.000	5.270.000	92,655	94,458	110	240	240	Postignuto
5.060.000	5.300.002	92,981	94,7	110	240	240,002	Postignuto
5.070.000	5.309.999	93,091	94,746	110	240	239,999	Postignuto
5.080.000	5.320.001	93,199	94,798	110	240	240,001	Postignuto
5.090.000	5.330.000	93,309	94,827	110	240	240	Postignuto
5.100.000	5.340.000	93,417	94,916	110	240	240	Postignuto
5.110.000	5.350.000	93,527	95,025	110	240	240	Postignuto
5.120.000	5.360.000	93,636	95,135	110	240	240	Postignuto
5.130.000	5.370.000	93,745	95,244	110	240	240	Postignuto
5.140.000	5.380.000	93,854	95,353	110	240	240	Postignuto
5.150.000	5.390.000	93,963	95,462	110	240	240	Postignuto
5.160.000	5.400.000	94,072	95,571	110	240	240	Postignuto
5.169.996	5.410.000	94,179	95,68	110	240	240,004	Postignuto
5.199.990	5.440.000	94,494	96,007	110	240	240,01	Postignuto
5.210.000	5.450.000	94,598	96,116	110	240	240	Postignuto
5.229.999	5.470.000	94,809	96,334	110	240	240,001	Postignuto
5.239.996	5.480.000	94,915	96,443	110	240	240,004	Postignuto
5.259.995	5.500.000	95,125	96,661	110	240	240,005	Postignuto
5.270.000	5.510.000	95,228	96,77	110	240	240	Postignuto
5.279.999	5.520.000	95,335	96,879	110	240	240,001	Postignuto
5.289.999	5.530.000	95,415	96,988	110	240	240,001	Postignuto
5.309.999	5.550.000	95,516	97,206	110	240	240,001	Postignuto
5.320.001	5.560.000	95,568	97,315	110	240	239,999	Postignuto
5.330.000	5.570.000	95,597	97,424	110	240	240	Postignuto
5.340.000	5.580.000	95,686	97,533	110	240	240	Postignuto
5.350.000	5.590.000	95,795	97,642	110	240	240	Postignuto
5.360.000	5.600.000	95,905	97,751	110	240	240	Postignuto
5.370.000	5.610.000	96,014	97,861	110	240	240	Postignuto
5.380.000	5.620.000	96,123	97,97	110	240	240	Postignuto
5.390.000	5.630.000	96,232	98,079	110	240	240	Postignuto
5.400.000	5.640.000	96,341	98,188	110	240	240	Postignuto
5.410.000	5.650.000	96,45	98,297	110	240	240	Postignuto
5.420.000	5.660.000	96,559	98,406	110	240	240	Postignuto
5.430.000	5.670.000	96,668	98,515	110	240	240	Postignuto
5.440.000	5.680.000	96,777	98,624	110	240	240	Postignuto
5.450.000	5.690.000	96,886	98,733	110	240	240	Postignuto
5.460.000	5.700.000	96,995	98,842	110	240	240	Postignuto
5.470.000	5.710.000	97,104	98,951	110	240	240	Postignuto
5.480.000	5.720.000	97,213	99,06	110	240	240	Postignuto
5.490.000	5.730.000	97,322	99,169	110	240	240	Postignuto
5.500.000	5.740.000	97,431	99,278	110	240	240	Postignuto
5.510.000	5.750.000	97,54	99,387	110	240	240	Postignuto
5.520.000	5.760.000	97,649	99,496	110	240	240	Postignuto
5.530.000	5.770.000	97,758	99,605	110	240	240	Postignuto
5.540.000	5.780.000	97,867	99,714	110	240	240	Postignuto
5.550.000	5.790.000	97,976	99,823	110	240	240	Postignuto
5.560.000	5.800.000	98,085	99,932	110	240	240	Postignuto
5.570.000	5.810.000	98,194	100,041	110	240	240	Postignuto
5.580.000	5.820.000	98,303	100,15	110	240	240	Postignuto
5.590.000	5.830.000	98,412	100,259	110	240	240	Postignuto
5.600.000	5.840.000	98,521	100,368	110	240	240	Postignuto
5.610.000	5.850.000	98,631	100,477	110	240	240	Postignuto
5.620.000	5.860.000	98,74	100,586	110	240	240	Postignuto
5.630.000	5.870.000	98,849	100,696	110	240	240	Postignuto
5.640.000	5.880.000	98,958	100,805	110	240	240	Postignuto
5.650.000	5.890.000	99,067	100,914	110	240	240	Postignuto
5.660.000	5.900.000	99,176	101,023	110	240	240	Postignuto
5.670.000	5.910.000	99,285	101,132	110	240	240	Postignuto
5.680.000	5.920.000	99,394	101,241	110	240	240	Postignuto
5.690.000	5.930.000	99,503	101,35	110	240	240	Postignuto
5.700.000	5.940.000	99,612	101,459	110	240	240	Postignuto
5.710.000	5.950.000	99,721	101,568	110	240	240	Postignuto
5.720.000	5.960.000	99,83	101,677	110	240	240	Postignuto
5.730.000	5.970.000	99,939	101,786	110	240	240	Postignuto
5.740.000	5.980.000	100,048	101,895	110	240	240	Postignuto
5.750.000	5.990.000	100,157	102,004	110	240	240	Postignuto
5.760.000	6.000.000	100,266	102,113	110	240	240	Postignuto
5.770.000	6.010.000	100,375	102,222	110	240	240	Postignuto
5.780.000	6.020.000	100,484	102,331	110	240	240	Postignuto
5.790.000	6.030.000	100,593	102,44	110	240	240	Postignuto
5.800.000	6.040.000	100,702	102,549	110	240	240	Postignuto
5.810.000	6.050.000	100,811	102,658	110	240	240	Postignuto
5.820.000	6.060.000	100,92	102,767	110	240	240	Postignuto
5.830.000	6.070.000	101,029	102,876	110	240	240	Postignuto
5.840.000	6.080.000	101,138	102,985	110	240	240	Postignuto
5.850.000	6.090.000	101,247	103,094	110	240	240	Postignuto
5.860.000	6.100.000	101,356	103,203	110	240	240	Postignuto
5.870.000	6.110.000	101,466	103,312	110	240	240	Postignuto
5.880.000	6.120.000	101,575	103,422	110	240	240	Postignuto
5.890.000	6.130.000	101,684	103,531	110	240	240	Postignuto
5.900.000	6.140.000	101,793	103,64	110	240	240	Postignuto
5.910.000	6.150.000	101,902	103,749	110	240	240	Postignuto
5.920.000	6.160.000	102,011	103,858	110	240	240	Postignuto
5.930.000	6.170.000	102,12	103,967	110	240	240	Postignuto
5.940.000	6.180.000	102,229	104,076	110	240	240	Postignuto
5.950.000	6.190.000	102,338	104,185	110	240	240	Postignuto

5.960.000	6.200.000	102,447	104,294	110	240	240	Postignuto
5.970.000	6.210.000	102,556	104,403	110	240	240	Postignuto
5.980.000	6.220.000	102,665	104,512	110	240	240	Postignuto
5.990.000	6.230.000	102,774	104,621	110	240	240	Postignuto
6.000.000	6.240.000	102,883	104,73	110	240	240	Postignuto
6.010.000	6.250.000	102,992	104,839	110	240	240	Postignuto
6.020.000	6.260.000	103,101	104,948	110	240	240	Postignuto
6.030.000	6.270.000	103,21	105,057	110	240	240	Postignuto
6.040.000	6.280.000	103,319	105,166	110	240	240	Postignuto
6.050.000	6.290.000	103,428	105,275	110	240	240	Postignuto
6.060.000	6.300.000	103,537	105,384	110	240	240	Postignuto
6.070.000	6.310.000	103,646	105,493	110	240	240	Postignuto
6.080.000	6.320.000	103,755	105,602	110	240	240	Postignuto
6.090.000	6.330.000	103,864	105,711	110	240	240	Postignuto
6.100.000	6.340.000	103,973	105,82	110	240	240	Postignuto
6.110.000	6.350.000	104,082	105,929	110	240	240	Postignuto
6.120.000	6.360.000	104,192	106,038	110	240	240	Postignuto
6.130.000	6.370.000	104,301	106,148	110	240	240	Postignuto
6.140.000	6.380.000	104,41	106,257	110	240	240	Postignuto
6.150.000	6.390.000	104,519	106,366	110	240	240	Postignuto
6.160.000	6.400.000	104,628	106,475	110	240	240	Postignuto
6.170.000	6.410.000	104,737	106,584	110	240	240	Postignuto
6.180.000	6.420.000	104,846	106,693	110	240	240	Postignuto
6.190.000	6.430.000	104,955	106,802	110	240	240	Postignuto
6.200.000	6.440.000	105,064	106,911	110	240	240	Postignuto
6.210.000	6.450.000	105,173	107,02	110	240	240	Postignuto
6.220.000	6.460.000	105,282	107,129	110	240	240	Postignuto
6.230.000	6.470.000	105,391	107,238	110	240	240	Postignuto
6.240.000	6.480.000	105,5	107,347	110	240	240	Postignuto
6.250.000	6.490.000	105,609	107,456	110	240	240	Postignuto
6.260.000	6.500.000	105,718	107,565	110	240	240	Postignuto
6.270.000	6.510.000	105,827	107,674	110	240	240	Postignuto
6.280.000	6.520.000	105,936	107,783	110	240	240	Postignuto
6.290.000	6.530.000	106,045	107,892	110	240	240	Postignuto
6.300.000	6.540.000	106,154	108,001	110	240	240	Postignuto
6.310.000	6.550.000	106,263	108,11	110	240	240	Postignuto
6.320.000	6.560.000	106,372	108,219	110	240	240	Postignuto
6.330.000	6.570.000	106,481	108,328	110	240	240	Postignuto
6.340.000	6.580.000	106,59	108,437	110	240	240	Postignuto
6.350.000	6.590.000	106,699	108,546	110	240	240	Postignuto
6.360.000	6.600.000	106,808	108,655	110	240	240	Postignuto
6.370.000	6.610.000	106,918	108,764	110	240	240	Postignuto
6.380.000	6.620.000	107,027	108,874	110	240	240	Postignuto
6.390.000	6.630.000	107,136	108,983	110	240	240	Postignuto
6.400.000	6.640.000	107,245	109,092	110	240	240	Postignuto
6.410.000	6.650.000	107,354	109,201	110	240	240	Postignuto
6.420.000	6.660.000	107,463	109,31	110	240	240	Postignuto
6.430.000	6.670.000	107,572	109,419	110	240	240	Postignuto
6.440.000	6.680.000	107,681	109,528	110	240	240	Postignuto
6.450.000	6.690.000	107,79	109,637	110	240	240	Postignuto
6.460.000	6.700.000	107,899	109,746	110	240	240	Postignuto
6.470.000	6.710.000	108,008	109,855	110	240	240	Postignuto
6.480.000	6.720.000	108,117	109,964	110	240	240	Postignuto
6.490.000	6.730.000	108,226	110,073	110	240	240	Postignuto
6.500.000	6.740.000	108,335	110,182	110	240	240	Postignuto
6.510.000	6.750.000	108,444	110,291	110	240	240	Postignuto
6.520.000	6.760.000	108,553	110,4	110	240	240	Postignuto
6.530.000	6.770.000	108,662	110,509	110	240	240	Postignuto
6.540.000	6.780.000	108,771	110,618	110	240	240	Postignuto
6.550.000	6.790.000	108,88	110,727	110	240	240	Postignuto
6.560.000	6.800.000	108,989	110,836	110	240	240	Postignuto
6.570.000	6.810.000	109,098	110,945	110	240	240	Postignuto
6.580.000	6.820.000	109,207	111,054	110	240	240	Postignuto
6.590.000	6.830.000	109,316	111,163	110	240	240	Postignuto
6.600.000	6.840.000	109,425	111,272	110	240	240	Postignuto
6.610.000	6.850.000	109,534	111,381	110	240	240	Postignuto
6.620.000	6.860.000	109,644	111,49	110	240	240	Postignuto
6.630.000	6.870.000	109,753	111,6	110	240	240	Postignuto
6.640.000	6.880.000	109,862	111,709	110	240	240	Postignuto
6.650.000	6.890.000	109,971	111,818	110	240	240	Postignuto
6.660.000	6.900.000	110,08	111,927	110	240	240	Postignuto
6.670.000	6.910.000	110,189	112,036	110	240	240	Postignuto
6.680.000	6.920.000	110,298	112,145	110	240	240	Postignuto
6.690.000	6.930.000	110,407	112,254	110	240	240	Postignuto
6.700.000	6.940.000	110,516	112,363	110	240	240	Postignuto
6.710.000	6.950.000	110,625	112,472	110	240	240	Postignuto
6.720.000	6.960.000	110,734	112,581	110	240	240	Postignuto
6.730.000	6.970.000	110,843	112,69	110	240	240	Postignuto
6.740.000	6.980.000	110,952	112,799	110	240	240	Postignuto
6.750.000	6.990.000	111,061	112,908	110	240	240	Postignuto
6.760.000	7.000.000	111,17	113,017	110	240	240	Postignuto
6.770.000	7.010.000	111,279	113,126	110	240	240	Postignuto
6.780.000	7.020.000	111,388	113,235	110	240	240	Postignuto
6.790.000	7.030.000	111,497	113,344	110	240	240	Postignuto
6.800.000	7.040.000	111,606	113,453	110	240	240	Postignuto
6.810.000	7.050.000	111,715	113,562	110	240	240	Postignuto
6.820.000	7.060.000	111,824	113,671	110	240	240	Postignuto
6.830.000	7.070.000	111,933	113,78	110	240	240	Postignuto
6.840.000	7.080.000	112,042	113,889	110	240	240	Postignuto

6.850.000	7.090.000	112,151	113,998	110	240	240	Postignuto
6.870.000	7.110.000	112,37	114,326	110	240	240	Postignuto
6.880.000	7.120.001	112,479	114,515	110	240	240,001	Postignuto
6.890.000	7.130.000	112,588	114,667	110	240	240	Postignuto
6.910.000	7.150.001	112,806	114,955	110	240	240,001	Postignuto
6.930.000	7.170.000	113,024	115,176	110	240	240	Postignuto
6.960.000	7.200.003	113,351	115,51	110	240	240,003	Postignuto
6.970.000	7.210.000	113,46	115,621	110	240	240	Postignuto
6.980.000	7.220.007	113,569	115,732	110	240	240,007	Postignuto
6.990.000	7.229.999	113,678	115,843	110	240	239,999	Postignuto
7.010.000	7.250.002	113,896	116,065	110	240	240,002	Postignuto
7.020.000	7.260.002	114,005	116,176	110	240	240,002	Postignuto
7.030.000	7.270.000	114,114	116,287	110	240	240	Postignuto
7.040.000	7.280.010	114,223	116,399	110	240	240,01	Postignuto
7.050.000	7.290.000	114,332	116,509	110	240	240	Postignuto
7.060.000	7.300.000	114,441	116,618	110	240	240	Postignuto
7.070.000	7.310.000	114,55	116,728	110	240	240	Postignuto
7.080.000	7.320.000	114,659	116,836	110	240	240	Postignuto
7.090.000	7.330.000	114,768	116,946	110	240	240	Postignuto
7.099.999	7.340.000	114,947	117,054	110	240	240,001	Postignuto
7.110.000	7.350.000	115,096	117,164	110	240	240	Postignuto
7.130.000	7.370.000	115,437	117,382	110	240	240	Postignuto
7.139.998	7.380.000	115,614	117,491	110	240	240,002	Postignuto
7.150.001	7.390.000	115,725	117,6	110	240	239,999	Postignuto
7.159.996	7.400.000	115,836	117,709	110	240	240,004	Postignuto
7.170.000	7.410.000	115,946	117,818	110	240	240	Postignuto
7.179.998	7.420.000	116,058	117,927	110	240	240,002	Postignuto
7.189.998	7.430.000	116,169	118,036	110	240	240,002	Postignuto
7.210.000	7.450.000	116,391	118,254	110	240	240	Postignuto
7.229.999	7.470.000	116,613	118,472	110	240	240,001	Postignuto
7.239.993	7.480.000	116,724	118,581	110	240	240,007	Postignuto
7.270.000	7.510.000	117,057	118,909	110	240	240	Postignuto
7.290.000	7.530.000	117,279	119,127	110	240	240	Postignuto
7.300.000	7.540.000	117,388	119,235	110	240	240	Postignuto
7.310.000	7.550.000	117,498	119,345	110	240	240	Postignuto
7.320.000	7.560.000	117,606	119,453	110	240	240	Postignuto
7.330.000	7.570.000	117,716	119,562	110	240	240	Postignuto
7.340.000	7.580.000	117,824	119,671	110	240	240	Postignuto
7.350.000	7.590.000	117,934	119,781	110	240	240	Postignuto
7.360.000	7.600.000	118,042	119,889	110	240	240	Postignuto
7.370.000	7.610.000	118,152	119,999	110	240	240	Postignuto
7.380.000	7.620.000	118,261	120,108	110	240	240	Postignuto
7.390.000	7.630.000	118,37	120,217	110	240	240	Postignuto
7.400.000	7.640.000	118,479	120,326	110	240	240	Postignuto
7.410.000	7.650.000	118,588	120,435	110	240	240	Postignuto
7.420.000	7.660.000	118,697	120,544	110	240	240	Postignuto
7.430.000	7.670.000	118,806	120,653	110	240	240	Postignuto
7.440.000	7.680.000	118,915	120,762	110	240	240	Postignuto
7.450.000	7.690.000	119,024	120,871	110	240	240	Postignuto
7.460.000	7.700.000	119,133	120,98	110	240	240	Postignuto
7.470.000	7.710.000	119,242	121,09	110	240	240	Postignuto
7.480.000	7.720.000	119,351	121,198	110	240	240	Postignuto
7.490.000	7.730.000	119,46	121,308	110	240	240	Postignuto
7.500.000	7.740.000	119,569	121,416	110	240	240	Postignuto
7.510.000	7.750.000	119,679	121,525	110	240	240	Postignuto
7.520.000	7.760.000	119,787	121,634	110	240	240	Postignuto
7.530.000	7.770.000	119,897	121,743	110	240	240	Postignuto
7.540.000	7.780.000	120,005	121,852	110	240	240	Postignuto
7.550.000	7.790.000	120,115	121,961	110	240	240	Postignuto
7.560.000	7.800.000	120,223	122,07	110	240	240	Postignuto
7.580.000	7.820.008	120,441	122,285	110	240	240,008	Postignuto
7.590.000	7.830.002	120,551	122,391	110	240	240,002	Postignuto
7.600.000	7.840.002	120,659	122,499	110	240	240,002	Postignuto
7.610.000	7.850.000	120,769	122,605	110	240	240	Postignuto
7.650.000	7.890.000	121,205	123,033	110	240	240	Postignuto
7.660.000	7.900.006	121,314	123,141	110	240	240,006	Postignuto
7.670.000	7.909.999	121,423	123,248	110	240	239,999	Postignuto
7.680.000	7.920.004	121,532	123,355	110	240	240,004	Postignuto
7.690.000	7.930.001	121,641	123,462	110	240	240,001	Postignuto
7.700.000	7.940.001	121,75	123,569	110	240	240,001	Postignuto
7.710.000	7.950.001	121,86	123,676	110	240	240,001	Postignuto
7.720.000	7.960.001	121,968	123,74	110	240	240,001	Postignuto
7.730.000	7.969.999	122,078	123,787	110	240	239,999	Postignuto
7.740.000	7.979.999	122,186	123,838	110	240	239,999	Postignuto
7.750.000	7.990.000	122,295	123,867	110	240	240	Postignuto
7.760.000	8.000.001	122,404	123,936	110	240	240,001	Postignuto
7.770.000	8.010.000	122,513	124,03	110	240	240	Postignuto

Stacionaža oka	Stacionaža objekta	Nadmorska visina oka	Nadmorska visina objekta	Projektna brzina	Potrebna zaustavna preglednost	Postignuta zaustavna preglednost	Status
8.313.792	8.073.792	128,113	124,726	110	240	240	Postignuto
8.303.792	8.063.792	128,004	124,617	110	240	240	Postignuto
8.293.792	8.053.792	127,895	124,508	110	240	240	Postignuto
8.283.792	8.043.792	127,785	124,399	110	240	240	Postignuto
8.273.792	8.033.792	127,676	124,289	110	240	240	Postignuto
8.263.792	8.023.792	127,567	124,18	110	240	240	Postignuto
8.253.792	8.013.792	127,458	124,071	110	240	240	Postignuto
8.243.792	8.003.792	127,349	123,962	110	240	240	Postignuto
8.233.792	7.993.791	127,24	123,852	110	240	240	Postignuto
8.223.792	7.983.792	127,131	123,741	110	240	240	Postignuto
8.213.792	7.973.792	127,022	123,631	110	240	240	Postignuto
8.203.792	7.963.792	126,913	123,52	110	240	240	Postignuto
8.193.792	7.953.792	126,804	123,41	110	240	239,999	Postignuto
8.183.792	7.943.792	126,695	123,299	110	240	239,999	Postignuto
8.173.792	7.933.789	126,586	123,189	110	240	240,002	Postignuto
8.163.792	7.923.790	126,477	123,079	110	240	240,001	Postignuto
8.153.792	7.913.790	126,368	122,967	110	240	240,001	Postignuto
8.143.792	7.903.789	126,259	122,856	110	240	240,002	Postignuto
8.133.792	7.893.789	126,15	122,746	110	240	240,002	Postignuto
8.123.792	7.883.792	126,041	122,635	110	240	239,999	Postignuto
8.113.792	7.873.792	125,932	122,525	110	240	239,999	Postignuto
8.103.792	7.863.792	125,823	122,415	110	240	239,999	Postignuto
8.093.792	7.853.788	125,714	122,304	110	240	240,003	Postignuto
8.083.792	7.843.786	125,605	122,193	110	240	240,006	Postignuto
8.073.792	7.833.786	125,496	122,083	110	240	240,006	Postignuto
8.063.792	7.823.786	125,387	121,972	110	240	240,001	Postignuto
8.053.792	7.813.790	125,278	121,862	110	240	240,001	Postignuto
8.043.792	7.803.792	125,169	121,752	110	240	240	Postignuto
8.033.792	7.793.792	125,060	121,641	110	240	240	Postignuto
8.023.792	7.783.792	124,951	121,530	110	240	240	Postignuto
8.013.792	7.773.792	124,842	121,419	110	240	240	Postignuto
8.003.792	7.763.792	124,733	121,308	110	240	240	Postignuto
7.993.791	7.753.792	124,624	121,197	110	240	240	Postignuto
7.983.792	7.743.792	124,515	121,086	110	240	240	Postignuto
7.973.792	7.733.792	124,406	120,975	110	240	240	Postignuto
7.963.792	7.723.792	124,297	120,864	110	240	240	Postignuto
7.953.792	7.713.792	124,188	120,753	110	240	240,001	Postignuto
7.943.792	7.703.792	124,079	120,642	110	240	240,001	Postignuto
7.933.792	7.693.792	123,970	120,531	110	240	240,002	Postignuto
7.923.793	7.683.792	123,861	120,420	110	240	240,002	Postignuto
7.913.792	7.673.792	123,752	120,309	110	240	240,004	Postignuto
7.903.796	7.663.792	123,643	120,198	110	240	240,004	Postignuto
7.893.796	7.653.792	123,534	120,087	110	240	240,004	Postignuto
7.883.796	7.643.792	123,425	119,976	110	240	240,001	Postignuto
7.873.792	7.633.792	123,316	119,865	110	240	240,001	Postignuto
7.863.792	7.623.792	123,207	119,754	110	240	240,001	Postignuto
7.853.792	7.613.792	123,098	119,643	110	240	240,005	Postignuto
7.843.797	7.603.792	122,989	119,532	110	240	240,005	Postignuto
7.833.795	7.593.792	122,880	119,421	110	240	240,004	Postignuto
7.823.795	7.583.792	122,771	119,310	110	240	240,004	Postignuto
7.813.792	7.573.792	122,662	119,199	110	240	240	Postignuto
7.803.792	7.563.792	122,553	119,088	110	240	240	Postignuto
7.793.792	7.553.792	122,444	118,977	110	240	240	Postignuto
7.783.792	7.543.792	122,335	118,866	110	240	240	Postignuto
7.773.792	7.533.792	122,226	118,755	110	240	240	Postignuto
7.763.792	7.523.792	122,117	118,644	110	240	240	Postignuto
7.753.792	7.513.792	122,008	118,533	110	240	240	Postignuto
7.743.792	7.503.792	121,899	118,422	110	240	240	Postignuto
7.733.792	7.493.792	121,790	118,311	110	240	240	Postignuto
7.723.792	7.483.792	121,681	118,200	110	240	240	Postignuto
7.713.792	7.473.792	121,572	118,089	110	240	240	Postignuto
7.703.792	7.463.792	121,463	117,978	110	240	240	Postignuto
7.693.792	7.453.792	121,354	117,867	110	240	240	Postignuto
7.683.792	7.443.792	121,245	117,756	110	240	240	Postignuto
7.673.792	7.433.792	121,136	117,645	110	240	240	Postignuto
7.663.792	7.423.792	121,027	117,534	110	240	240	Postignuto
7.653.792	7.413.792	120,918	117,423	110	240	240	Postignuto
7.643.792	7.403.792	120,809	117,312	110	240	240	Postignuto
7.633.792	7.393.792	120,700	117,201	110	240	240	Postignuto
7.623.792	7.383.792	120,591	117,090	110	240	240	Postignuto
7.613.792	7.373.792	120,482	116,979	110	240	240	Postignuto
7.603.792	7.373.792	120,373	116,868	110	240	230	Nije postignuto
7.593.792	7.373.792	120,264	116,757	110	240	220	Nije postignuto
7.583.792	7.363.792	120,155	116,646	110	240	220	Nije postignuto
7.573.792	7.363.792	120,046	116,535	110	240	210	Nije postignuto
7.563.792	7.363.792	119,937	116,424	110	240	200	Nije postignuto
7.553.792	7.363.792	119,828	116,313	110	240	190	Nije postignuto
7.543.792	7.353.792	119,719	116,202	110	240	190	Nije postignuto
7.533.792	7.353.792	119,610	116,091	110	240	180	Nije postignuto
7.523.792	7.343.792	119,501	115,980	110	240	180	Nije postignuto
7.513.792	7.343.792	119,392	115,869	110	240	170	Nije postignuto
7.503.792	7.333.792	119,283	115,758	110	240	170	Nije postignuto
7.493.792	7.253.786	119,174	115,647	110	240	240,006	Postignuto
7.483.792	7.243.789	119,065	115,536	110	240	240,002	Postignuto
7.473.792	7.233.789	118,956	115,425	110	240	240,002	Postignuto
7.463.792	7.223.797	118,847	115,314	110	240	229,994	Nije postignuto
7.453.792	7.213.789	118,738	115,203	110	240	230,003	Nije postignuto
7.443.792	7.213.789	118,629	115,092	110	240	229,996	Nije postignuto
7.433.792	7.203.796	118,520	114,981	110	240	230	Nije postignuto
7.423.792	7.193.792	118,411	114,870	110	240	230	Nije postignuto
7.413.792	7.183.792	118,302	114,759	110	240	240,002	Postignuto
7.403.792	7.173.791	118,193	114,648	110	240	240,001	Postignuto
7.393.792	7.163.791	118,084	114,537	110	240	240	Postignuto
7.383.792	7.153.790	117,975	114,426	110	240	240	Postignuto
7.373.792	7.143.791	117,866	114,315	110	240	239,999	Postignuto
7.363.792	7.133.791	117,757	114,204	110	240	240	Postignuto
7.353.792	7.123.791	117,648	114,093	110	240	240	Postignuto
7.343.792	7.113.791	117,539	113,982	110	240	240	Postignuto
7.333.792	7.103.792	117,430	113,871	110	240	240	Postignuto
7.323.792	7.093.792	117,321	113,760	110	240	240	Postignuto
7.313.792	7.083.792	117,212	113,649	110	240	240	Postignuto
7.303.792	7.073.792	117,103	113,538	110	240	240	Postignuto
7.293.792	7.063.792	116,994	113,427	110	240	240	Postignuto
7.283.792	7.053.792	116,885	113,316	110	240	240	Postignuto
7.273.792	7.043.792	116,776	113,205	110	240	240,006	Postignuto
7.263.798	7.033.792	116,667	113,094	110	240	240,006	Postignuto
7.253.792	7.023.792	116,558	112,983	110	240	240,003	Postignuto
7.243.795	7.013.792	116,449	112,872	110	240	240,003	Postignuto
7.233.797	6.983.792	116,340	112,761	110	240	240,006	Postignuto

7.203.796	6.963.792	115,992	112,622	110	240	240,004	Postignuto
7.193.792	6.953.792	115,884	112,513	110	240	240	Postignuto
7.183.792	6.943.792	115,777	112,404	110	240	240	Postignuto
7.163.794	6.923.792	115,562	112,186	110	240	240,003	Postignuto
7.143.793	6.903.792	115,346	111,968	110	240	240,001	Postignuto
7.133.791	6.893.792	115,239	111,859	110	240	239,999	Postignuto
7.123.793	6.883.792	115,131	111,75	110	240	240,001	Postignuto
7.113.791	6.873.792	115,023	111,641	110	240	240	Postignuto
7.103.792	6.863.792	114,916	111,532	110	240	240,001	Postignuto
7.093.792	6.853.792	114,809	111,423	110	240	240	Postignuto
7.083.792	6.843.792	114,701	111,314	110	240	240	Postignuto
7.073.792	6.833.792	114,592	111,205	110	240	240	Postignuto
7.063.792	6.823.792	114,483	111,096	110	240	240	Postignuto
7.053.792	6.813.792	114,374	110,987	110	240	240	Postignuto
7.043.792	6.803.792	114,265	110,878	110	240	240	Postignuto
7.033.792	6.793.792	114,156	110,769	110	240	240	Postignuto
7.023.792	6.783.792	114,046	110,66	110	240	240	Postignuto
7.013.792	6.773.792	113,937	110,55	110	240	240	Postignuto
7.003.792	6.763.792	113,828	110,441	110	240	240	Postignuto
6.993.792	6.753.792	113,719	110,332	110	240	240	Postignuto
6.983.792	6.743.792	113,61	110,223	110	240	240	Postignuto
6.973.792	6.733.792	113,501	110,114	110	240	240	Postignuto
6.963.792	6.723.792	113,392	110,005	110	240	240	Postignuto
6.953.792	6.713.792	113,283	109,896	110	240	240	Postignuto
6.943.792	6.703.792	113,174	109,787	110	240	240	Postignuto
6.933.792	6.693.792	113,065	109,678	110	240	240	Postignuto
6.923.792	6.683.792	112,956	109,569	110	240	240	Postignuto
6.913.792	6.673.792	112,847	109,46	110	240	240	Postignuto
6.903.792	6.663.792	112,738	109,351	110	240	240	Postignuto
6.893.792	6.653.792	112,629	109,242	110	240	240	Postignuto
6.883.792	6.643.792	112,52	109,133	110	240	240	Postignuto
6.873.792	6.633.792	112,411	109,024	110	240	240	Postignuto
6.863.792	6.623.792	112,302	108,915	110	240	240	Postignuto
6.853.792	6.613.792	112,193	108,806	110	240	240	Postignuto
6.843.792	6.603.792	112,084	108,697	110	240	240	Postignuto
6.833.792	6.593.792	111,975	108,588	110	240	240	Postignuto
6.823.792	6.583.792	111,866	108,479	110	240	240	Postignuto
6.813.792	6.573.792	111,757	108,37	110	240	240	Postignuto
6.803.792	6.563.792	111,648	108,261	110	240	240	Postignuto
6.793.792	6.553.792	111,539	108,152	110	240	240	Postignuto
6.783.792	6.543.792	111,43	108,043	110	240	240	Postignuto
6.773.792	6.533.792	111,32	107,934	110	240	240	Postignuto
6.763.792	6.523.792	111,211	107,824	110	240	240	Postignuto
6.753.792	6.513.792	111,102	107,715	110	240	240	Postignuto
6.743.792	6.503.792	110,993	107,606	110	240	240	Postignuto
6.733.792	6.493.792	110,884	107,497	110	240	240	Postignuto
6.723.792	6.483.792	110,775	107,388	110	240	240	Postignuto
6.713.792	6.473.792	110,666	107,279	110	240	240	Postignuto
6.703.792	6.463.792	110,557	107,17	110	240	240	Postignuto
6.693.792	6.453.792	110,448	107,061	110	240	240	Postignuto
6.683.792	6.443.792	110,339	106,952	110	240	240	Postignuto
6.673.792	6.433.792	110,23	106,843	110	240	240	Postignuto
6.663.792	6.423.792	110,121	106,734	110	240	240	Postignuto
6.653.792	6.413.792	110,012	106,625	110	240	240	Postignuto
6.643.792	6.403.792	109,903	106,516	110	240	240	Postignuto
6.633.792	6.393.792	109,794	106,407	110	240	240	Postignuto
6.623.792	6.383.792	109,685	106,298	110	240	240	Postignuto
6.613.792	6.373.792	109,576	106,189	110	240	240	Postignuto
6.603.792	6.363.792	109,467	106,08	110	240	240	Postignuto
6.593.792	6.353.792	109,358	105,971	110	240	240	Postignuto
6.583.792	6.343.792	109,249	105,862	110	240	240	Postignuto
6.573.792	6.333.792	109,14	105,753	110	240	240	Postignuto
6.563.792	6.323.792	109,031	105,644	110	240	240	Postignuto
6.553.792	6.313.792	108,922	105,535	110	240	240	Postignuto
6.543.792	6.303.792	108,813	105,426	110	240	240	Postignuto
6.533.792	6.293.792	108,704	105,317	110	240	240	Postignuto
6.523.792	6.283.792	108,594	105,208	110	240	240	Postignuto
6.513.792	6.273.792	108,485	105,098	110	240	240	Postignuto
6.503.792	6.263.792	108,376	104,989	110	240	240	Postignuto
6.493.792	6.253.792	108,267	104,88	110	240	240	Postignuto
6.483.792	6.243.792	108,158	104,771	110	240	240	Postignuto
6.473.792	6.233.792	108,049	104,662	110	240	240	Postignuto
6.463.792	6.223.792	107,94	104,553	110	240	240	Postignuto
6.453.792	6.213.792	107,831	104,444	110	240	240	Postignuto
6.443.792	6.203.792	107,722	104,335	110	240	240	Postignuto
6.433.792	6.193.792	107,613	104,226	110	240	240	Postignuto
6.423.792	6.183.792	107,504	104,117	110	240	240	Postignuto
6.413.792	6.173.792	107,395	104,008	110	240	240	Postignuto
6.403.792	6.163.792	107,286	103,899	110	240	240	Postignuto
6.393.792	6.153.792	107,177	103,79	110	240	240	Postignuto
6.383.792	6.143.792	107,068	103,681	110	240	240	Postignuto
6.373.792	6.133.792	106,959	103,572	110	240	240	Postignuto
6.363.792	6.123.792	106,85	103,463	110	240	240	Postignuto
6.353.792	6.113.792	106,741	103,354	110	240	240	Postignuto
6.343.792	6.103.792	106,632	103,245	110	240	240	Postignuto
6.333.792	6.093.792	106,523	103,136	110	240	240	Postignuto
6.323.792	6.083.792	106,414	103,027	110	240	240	Postignuto
6.313.792	6.073.792	106,305	102,918	110	240	240	Postignuto
6.303.792	6.063.792	106,196	102,809	110	240	240	Postignuto
6.293.792	6.053.792	106,087	102,7	110	240	240	Postignuto
6.283.792	6.043.792	105,978	102,591	110	240	240	Postignuto
6.273.792	6.033.792	105,868	102,482	110	240	240	Postignuto
6.263.792	6.023.792	105,759	102,372	110	240	240	Postignuto
6.253.792	6.013.792	105,65	102,263	110	240	240	Postignuto
6.243.792	6.003.792	105,541	102,154	110	240	240	Postignuto

6.233.792	5.993.792	105,432	102,045	110	240	240	Postignuto
6.223.792	5.983.792	105,323	101,936	110	240	240	Postignuto
6.213.792	5.973.792	105,214	101,827	110	240	240	Postignuto
6.203.792	5.963.792	105,105	101,718	110	240	240	Postignuto
6.193.792	5.953.792	104,996	101,609	110	240	240	Postignuto
6.183.792	5.943.792	104,887	101,5	110	240	240	Postignuto
6.173.792	5.933.792	104,778	101,391	110	240	240	Postignuto
6.163.792	5.923.792	104,669	101,282	110	240	240	Postignuto
6.153.792	5.913.792	104,56	101,173	110	240	240	Postignuto
6.143.792	5.903.792	104,451	101,064	110	240	240	Postignuto
6.133.792	5.893.792	104,342	100,955	110	240	240	Postignuto
6.123.792	5.883.792	104,233	100,846	110	240	240	Postignuto
6.113.792	5.873.792	104,124	100,737	110	240	240	Postignuto
6.103.792	5.863.792	104,015	100,628	110	240	240	Postignuto
6.093.792	5.853.792	103,906	100,519	110	240	240	Postignuto
6.083.792	5.843.792	103,797	100,41	110	240	240	Postignuto
6.073.792	5.833.792	103,688	100,301	110	240	240	Postignuto
6.063.792	5.823.792	103,579	100,192	110	240	240	Postignuto
6.053.792	5.813.792	103,47	100,083	110	240	240	Postignuto
6.043.792	5.803.792	103,361	99,974	110	240	240	Postignuto
6.033.792	5.793.792	103,252	99,865	110	240	240	Postignuto
6.023.792	5.783.792	103,142	99,756	110	240	240	Postignuto
6.013.792	5.773.792	103,033	99,646	110	240	240	Postignuto
6.003.792	5.763.792	102,924	99,537	110	240	240	Postignuto
5.993.792	5.753.792	102,815	99,428	110	240	240	Postignuto
5.983.792	5.743.792	102,706	99,319	110	240	240	Postignuto
5.973.792	5.733.792	102,597	99,21	110	240	240	Postignuto
5.963.792	5.723.792	102,488	99,101	110	240	240	Postignuto
5.953.792	5.713.792	102,379	98,992	110	240	240	Postignuto
5.943.792	5.703.792	102,27	98,883	110	240	240	Postignuto
5.933.792	5.693.792	102,161	98,774	110	240	240	Postignuto
5.923.792	5.683.792	102,052	98,665	110	240	240	Postignuto
5.913.792	5.673.792	101,943	98,556	110	240	240	Postignuto
5.903.792	5.663.792	101,834	98,447	110	240	240	Postignuto
5.893.792	5.653.792	101,725	98,338	110	240	240	Postignuto
5.883.792	5.643.792	101,616	98,229	110	240	240	Postignuto
5.873.792	5.633.792	101,507	98,12	110	240	240	Postignuto
5.863.792	5.623.792	101,398	98,011	110	240	240	Postignuto
5.853.792	5.613.792	101,289	97,902	110	240	240	Postignuto
5.843.792	5.603.792	101,18	97,793	110	240	240	Postignuto
5.833.792	5.593.792	101,071	97,684	110	240	240	Postignuto
5.823.792	5.583.792	100,962	97,575	110	240	240	Postignuto
5.813.792	5.573.792	100,853	97,466	110	240	240	Postignuto
5.803.792	5.563.792	100,744	97,357	110	240	240	Postignuto
5.793.792	5.553.792	100,635	97,248	110	240	240	Postignuto
5.783.792	5.543.792	100,526	97,139	110	240	240	Postignuto
5.773.792	5.533.792	100,416	97,03	110	240	240	Postignuto
5.763.792	5.523.792	100,307	96,92	110	240	240	Postignuto
5.753.792	5.513.792	100,198	96,811	110	240	240	Postignuto
5.743.792	5.503.792	100,089	96,702	110	240	240	Postignuto
5.733.792	5.493.792	99,98	96,593	110	240	240	Postignuto
5.723.792	5.483.792	99,871	96,484	110	240	240	Postignuto
5.713.792	5.473.792	99,762	96,375	110	240	240	Postignuto
5.703.792	5.463.792	99,653	96,266	110	240	240	Postignuto
5.693.792	5.453.792	99,544	96,157	110	240	240	Postignuto
5.683.792	5.443.792	99,435	96,048	110	240	240	Postignuto
5.673.792	5.433.792	99,326	95,939	110	240	240	Postignuto
5.663.792	5.423.792	99,217	95,83	110	240	240	Postignuto
5.653.792	5.413.792	99,108	95,721	110	240	240	Postignuto
5.643.792	5.403.792	98,999	95,612	110	240	240	Postignuto
5.633.792	5.393.792	98,89	95,503	110	240	240	Postignuto
5.623.792	5.383.792	98,781	95,394	110	240	240	Postignuto
5.613.792	5.373.792	98,672	95,285	110	240	240	Postignuto
5.603.792	5.363.792	98,563	95,176	110	240	240	Postignuto
5.593.792	5.353.792	98,454	95,067	110	240	240	Postignuto
5.583.792	5.343.792	98,345	94,958	110	240	240	Postignuto
5.573.792	5.333.791	98,236	94,848	110	240	240	Postignuto
5.563.792	5.323.792	98,127	94,735	110	240	240	Postignuto
5.553.792	5.313.792	98,018	94,624	110	240	240	Postignuto
5.543.792	5.303.792	97,909	94,512	110	240	240	Postignuto
5.533.792	5.293.791	97,8	94,4	110	240	240	Postignuto
5.523.792	5.283.791	97,69	94,288	110	240	240	Postignuto
5.513.792	5.273.790	97,581	94,176	110	240	240,002	Postignuto
5.473.792	5.233.790	97,145	93,729	110	240	240,002	Postignuto
5.453.792	5.213.788	96,927	93,505	110	240	240,004	Postignuto
5.433.792	5.193.785	96,709	93,282	110	240	240,007	Postignuto
5.413.792	5.173.791	96,491	93,057	110	240	240,001	Postignuto
5.403.792	5.163.792	96,382	92,947	110	240	240	Postignuto
5.393.792	5.153.792	96,273	92,838	110	240	240	Postignuto
5.383.792	5.143.792	96,164	92,729	110	240	240	Postignuto
5.373.792	5.133.792	96,055	92,62	110	240	240	Postignuto
5.363.792	5.123.792	95,946	92,511	110	240	240	Postignuto
5.353.792	5.113.792	95,837	92,403	110	240	240	Postignuto
5.343.792	5.103.792	95,728	92,293	110	240	240	Postignuto
5.333.791	5.093.792	95,618	92,184	110	240	240	Postignuto
5.323.792	5.083.792	95,505	92,075	110	240	240	Postignuto
5.313.792	5.073.792	95,394	91,966	110	240	240	Postignuto
5.303.792	5.073.792	95,282	91,966	110	240	230	Nije postignuto
5.293.791	5.063.792	95,17	91,857	110	240	230	Nije postignuto
5.283.791	5.063.792	95,058	91,857	110	240	220	Nije postignuto
5.273.790	5.053.792	94,946	91,748	110	240	219,998	Nije postignuto
5.263.795	5.043.792	94,834	91,639	110	240	220,003	Nije postignuto
5.253.793	5.033.792	94,722	91,53	110	240	220,001	Nije postignuto
5.243.793	5.033.792	94,61	91,53	110	240	210,001	Nije postignuto

5.233.790	5.023.792	94,499	91,421	110	240	209,998	Nije postignuto
5.223.798	5.013.792	94,387	91,312	110	240	210,006	Nije postignuto
5.213.788	5.003.792	94,275	91,203	110	240	209,996	Nije postignuto
5.203.798	4.993.792	94,163	91,093	110	240	210,006	Nije postignuto
5.193.785	4.983.792	94,052	90,985	110	240	209,993	Nije postignuto
5.183.796	4.973.792	93,939	90,876	110	240	210,004	Nije postignuto
5.173.791	4.963.792	93,827	90,767	110	240	209,999	Nije postignuto
5.163.792	4.953.792	93,717	90,66	110	240	210	Nije postignuto
5.153.792	4.943.792	93,608	90,554	110	240	210	Nije postignuto
5.143.792	4.933.792	93,499	90,456	110	240	210	Nije postignuto
5.133.792	4.923.792	93,39	90,361	110	240	210	Nije postignuto
5.123.792	4.913.792	93,281	90,271	110	240	210	Nije postignuto
5.113.792	4.903.792	93,173	90,187	110	240	210	Nije postignuto
5.103.792	4.893.792	93,063	90,107	110	240	210	Nije postignuto
5.093.792	4.883.792	92,954	90,031	110	240	210	Nije postignuto
5.083.792	4.873.792	92,845	89,961	110	240	210	Nije postignuto
5.073.792	4.863.792	92,736	89,894	110	240	210	Nije postignuto
5.063.792	4.853.792	92,627	89,833	110	240	210	Nije postignuto
5.053.792	4.843.792	92,518	89,777	110	240	210	Nije postignuto
5.043.792	4.833.792	92,409	89,725	110	240	210	Nije postignuto
5.033.792	4.823.792	92,3	89,679	110	240	210	Nije postignuto
5.023.792	4.803.792	92,191	89,599	110	240	220	Nije postignuto
5.013.792	4.783.792	92,082	89,538	110	240	230	Nije postignuto
5.003.792	4.763.792	91,973	89,498	110	240	240	Postignuto
4.993.792	4.753.792	91,863	89,484	110	240	240	Postignuto
4.983.792	4.743.792	91,755	89,476	110	240	240	Postignuto
4.973.792	4.733.792	91,646	89,472	110	240	240	Postignuto
4.963.792	4.723.792	91,537	89,472	110	240	240	Postignuto
4.953.792	4.713.792	91,43	89,478	110	240	240	Postignuto
4.943.792	4.703.792	91,324	89,488	110	240	240	Postignuto
4.933.792	4.693.792	91,226	89,503	110	240	240	Postignuto
4.923.792	4.683.792	91,131	89,523	110	240	240	Postignuto
4.913.792	4.673.792	91,041	89,547	110	240	240	Postignuto
4.903.792	4.663.792	90,957	89,578	110	240	240	Postignuto
4.893.792	4.653.792	90,877	89,612	110	240	240	Postignuto
4.883.792	4.643.792	90,801	89,649	110	240	240	Postignuto
4.873.792	4.633.792	90,731	89,694	110	240	240	Postignuto
4.863.792	4.623.792	90,664	89,741	110	240	240	Postignuto
4.853.792	4.613.792	90,603	89,791	110	240	240	Postignuto
4.843.792	4.603.792	90,547	89,841	110	240	240	Postignuto
4.833.792	4.593.792	90,495	89,891	110	240	240	Postignuto
4.823.792	4.583.792	90,449	89,941	110	240	240	Postignuto
4.813.792	4.573.792	90,407	89,992	110	240	240	Postignuto
4.803.792	4.563.792	90,369	90,041	110	240	240	Postignuto
4.793.792	4.553.792	90,337	90,091	110	240	240	Postignuto
4.783.792	4.543.792	90,308	90,141	110	240	240	Postignuto
4.773.792	4.533.792	90,286	90,191	110	240	240	Postignuto
4.763.792	4.523.792	90,268	90,241	110	240	240	Postignuto
4.753.792	4.513.792	90,254	90,291	110	240	240	Postignuto
4.743.792	4.503.792	90,246	90,341	110	240	240	Postignuto
4.733.792	4.493.792	90,242	90,392	110	240	240	Postignuto
4.723.792	4.483.792	90,242	90,441	110	240	240	Postignuto
4.713.792	4.473.792	90,248	90,491	110	240	240	Postignuto
4.703.792	4.463.792	90,258	90,541	110	240	240	Postignuto
4.693.792	4.453.792	90,273	90,591	110	240	240	Postignuto
4.683.792	4.443.792	90,293	90,641	110	240	240	Postignuto
4.673.792	4.433.792	90,317	90,691	110	240	240	Postignuto
4.663.792	4.423.792	90,348	90,741	110	240	240	Postignuto
4.653.792	4.413.792	90,382	90,792	110	240	240	Postignuto
4.643.792	4.403.792	90,419	90,841	110	240	240	Postignuto
4.633.792	4.393.792	90,464	90,891	110	240	240	Postignuto
4.613.792	4.373.788	90,561	90,995	110	240	240,003	Postignuto
4.593.792	4.353.786	90,661	91,103	110	240	240,006	Postignuto
4.553.792	4.313.791	90,861	91,315	110	240	240,001	Postignuto
4.543.792	4.303.791	90,911	91,369	110	240	240,001	Postignuto
4.533.792	4.293.790	90,961	91,421	110	240	240,002	Postignuto
4.513.792	4.273.790	91,061	91,528	110	240	240,002	Postignuto
4.493.792	4.253.792	91,162	91,635	110	240	240	Postignuto
4.483.792	4.243.791	91,211	91,689	110	240	240	Postignuto
4.473.792	4.233.791	91,261	91,779	110	240	240	Postignuto
4.463.792	4.223.792	91,311	91,909	110	240	240	Postignuto
4.453.792	4.213.792	91,361	91,999	110	240	240	Postignuto
4.443.792	4.203.791	91,411	92,129	110	240	240,001	Postignuto
4.433.792	4.193.792	91,461	92,239	110	240	240	Postignuto
4.423.792	4.183.792	91,511	92,293	110	240	240	Postignuto
4.413.792	4.173.791	91,562	92,346	110	240	240	Postignuto
4.403.792	4.163.790	91,611	92,401	110	240	240,001	Postignuto
4.383.793	4.143.788	91,713	92,508	110	240	240,005	Postignuto
4.363.799	4.123.789	91,819	92,615	110	240	240,01	Postignuto
4.343.795	4.103.792	91,926	92,722	110	240	240,003	Postignuto
4.333.794	4.093.791	91,979	92,776	110	240	240,004	Postignuto
4.323.794	4.083.790	92,032	92,83	110	240	240,004	Postignuto
4.303.791	4.063.785	92,139	92,937	110	240	240,006	Postignuto
4.293.790	4.053.790	92,191	92,991	110	240	240	Postignuto
4.283.795	4.043.792	92,246	93,043	110	240	240,003	Postignuto
4.263.793	4.023.792	92,352	93,143	110	240	240,002	Postignuto
4.253.792	4.013.792	92,405	93,194	110	240	240	Postignuto
4.243.791	4.003.792	92,459	93,243	110	240	240	Postignuto
4.233.791	3.993.792	92,549	93,293	110	240	240	Postignuto
4.223.792	3.983.792	92,679	93,343	110	240	240	Postignuto
4.213.792	3.973.792	92,769	93,393	110	240	240	Postignuto
4.203.791	3.963.792	92,899	93,443	110	240	239,999	Postignuto
4.193.792	3.953.792	93,009	93,494	110	240	240	Postignuto

4.183.792	3.943.792	93,063	93,543	110	240	240	Postignuto
4.173.791	3.933.792	93,116	93,593	110	240	240	Postignuto
4.153.794	3.913.792	93,223	93,693	110	240	240,002	Postignuto
4.133.796	3.893.792	93,331	93,793	110	240	240,004	Postignuto
4.113.792	3.873.792	93,438	93,894	110	240	240	Postignuto
4.103.792	3.863.792	93,492	93,943	110	240	240	Postignuto
4.073.797	3.833.792	93,652	94,093	110	240	240,005	Postignuto
4.043.792	3.803.792	93,813	94,243	110	240	240	Postignuto
4.033.792	3.793.792	93,863	94,293	110	240	240	Postignuto
4.023.792	3.783.792	93,913	94,343	110	240	240	Postignuto
4.013.792	3.773.792	93,964	94,393	110	240	240	Postignuto
4.003.792	3.763.792	94,013	94,443	110	240	240	Postignuto
3.993.792	3.753.792	94,063	94,493	110	240	240	Postignuto
3.983.792	3.743.792	94,113	94,543	110	240	240	Postignuto
3.973.792	3.733.792	94,163	94,593	110	240	240	Postignuto
3.963.792	3.723.792	94,213	94,643	110	240	240	Postignuto
3.953.792	3.713.792	94,264	94,693	110	240	240	Postignuto
3.943.792	3.703.792	94,313	94,743	110	240	240	Postignuto
3.933.792	3.693.792	94,363	94,793	110	240	240	Postignuto
3.923.792	3.683.792	94,413	94,843	110	240	240	Postignuto
3.913.792	3.673.792	94,463	94,894	110	240	240	Postignuto
3.903.792	3.663.792	94,513	94,943	110	240	240	Postignuto
3.893.792	3.653.792	94,563	94,993	110	240	240	Postignuto
3.883.792	3.643.792	94,613	95,043	110	240	240	Postignuto
3.873.792	3.633.792	94,664	95,093	110	240	240	Postignuto
3.863.792	3.623.792	94,713	95,143	110	240	240	Postignuto
3.853.792	3.613.792	94,763	95,194	110	240	240	Postignuto
3.843.792	3.603.792	94,813	95,243	110	240	240	Postignuto
3.833.792	3.593.792	94,863	95,293	110	240	240	Postignuto
3.823.792	3.583.792	94,913	95,343	110	240	240	Postignuto
3.813.792	3.573.792	94,964	95,393	110	240	240	Postignuto
3.803.792	3.563.792	95,013	95,443	110	240	240	Postignuto
3.793.792	3.553.792	95,063	95,493	110	240	240	Postignuto
3.783.792	3.543.792	95,113	95,543	110	240	240	Postignuto
3.773.792	3.533.792	95,163	95,593	110	240	240	Postignuto
3.763.792	3.523.792	95,213	95,643	110	240	240	Postignuto
3.753.792	3.513.792	95,263	95,693	110	240	240	Postignuto
3.743.792	3.503.792	95,313	95,743	110	240	240	Postignuto
3.733.792	3.493.792	95,363	95,793	110	240	240	Postignuto
3.723.792	3.483.792	95,413	95,841	110	240	240	Postignuto
3.713.792	3.473.792	95,463	95,884	110	240	240	Postignuto
3.703.792	3.463.792	95,513	95,924	110	240	240	Postignuto
3.693.792	3.453.792	95,563	95,959	110	240	240	Postignuto
3.683.792	3.443.792	95,613	95,989	110	240	240	Postignuto
3.673.792	3.433.792	95,664	96,015	110	240	240	Postignuto
3.663.792	3.423.792	95,713	96,035	110	240	240	Postignuto
3.653.792	3.413.792	95,763	96,052	110	240	240	Postignuto
3.643.792	3.403.792	95,813	96,064	110	240	240	Postignuto
3.633.792	3.393.792	95,863	96,072	110	240	240	Postignuto
3.623.792	3.383.792	95,913	96,075	110	240	240	Postignuto
3.613.792	3.373.792	95,964	96,073	110	240	240	Postignuto
3.603.792	3.363.792	96,013	96,067	110	240	240	Postignuto
3.593.792	3.353.792	96,063	96,056	110	240	240	Postignuto
3.583.792	3.343.792	96,113	96,041	110	240	240	Postignuto
3.573.792	3.333.792	96,163	96,021	110	240	240	Postignuto
3.563.792	3.323.792	96,213	95,997	110	240	240	Postignuto
3.553.792	3.313.792	96,263	95,968	110	240	240	Postignuto
3.543.792	3.303.792	96,313	95,934	110	240	240	Postignuto
3.533.792	3.293.792	96,363	95,896	110	240	240	Postignuto
3.523.792	3.283.792	96,413	95,854	110	240	240	Postignuto
3.513.792	3.273.792	96,463	95,807	110	240	240	Postignuto
3.503.792	3.263.792	96,513	95,757	110	240	240	Postignuto
3.493.792	3.253.792	96,563	95,707	110	240	240	Postignuto
3.483.792	3.243.792	96,611	95,657	110	240	240	Postignuto
3.473.792	3.233.792	96,654	95,607	110	240	240	Postignuto
3.463.792	3.223.792	96,694	95,557	110	240	240	Postignuto
3.453.792	3.213.792	96,729	95,507	110	240	240	Postignuto
3.443.792	3.203.792	96,759	95,457	110	240	240	Postignuto
3.433.792	3.193.792	96,785	95,407	110	240	240	Postignuto
3.423.792	3.183.792	96,805	95,357	110	240	240	Postignuto
3.413.792	3.173.792	96,822	95,307	110	240	240	Postignuto
3.403.792	3.163.792	96,834	95,257	110	240	240	Postignuto
3.393.792	3.153.792	96,842	95,207	110	240	240	Postignuto
3.383.792	3.143.792	96,845	95,157	110	240	240	Postignuto
3.373.792	3.133.792	96,843	95,107	110	240	240	Postignuto
3.363.792	3.123.792	96,837	95,057	110	240	240	Postignuto
3.353.792	3.113.792	96,826	95,007	110	240	240	Postignuto
3.343.792	3.103.792	96,811	94,957	110	240	240	Postignuto
3.333.792	3.093.792	96,791	94,907	110	240	240	Postignuto
3.323.792	3.083.792	96,767	94,857	110	240	240	Postignuto
3.313.792	3.073.792	96,738	94,807	110	240	240	Postignuto
3.303.792	3.063.792	96,704	94,757	110	240	240	Postignuto
3.293.792	3.053.792	96,666	94,707	110	240	240	Postignuto
3.283.792	3.043.792	96,624	94,657	110	240	240	Postignuto
3.273.792	3.033.792	96,577	94,607	110	240	240	Postignuto
3.263.792	3.023.792	96,527	94,557	110	240	240	Postignuto
3.253.792	3.013.792	96,477	94,507	110	240	240	Postignuto
3.243.792	3.003.792	96,427	94,457	110	240	240	Postignuto
3.233.792	2.993.792	96,377	94,407	110	240	240	Postignuto
3.223.792	2.983.792	96,327	94,357	110	240	240	Postignuto
3.213.792	2.973.792	96,277	94,307	110	240	240	Postignuto
3.203.792	2.963.792	96,227	94,257	110	240	240	Postignuto
3.193.792	2.953.792	96,177	94,207	110	240	240	Postignuto
3.183.792	2.943.792	96,127	94,157	110	240	240	Postignuto
3.173.792	2.933.792	96,077	94,107	110	240	240	Postignuto

3.163.792	2.923.792	96,027	94,057	110	240	240	Postignuto
3.153.792	2.913.792	95,977	94,007	110	240	240	Postignuto
3.143.792	2.903.792	95,927	93,957	110	240	240	Postignuto
3.133.792	2.893.792	95,877	93,907	110	240	240	Postignuto
3.123.792	2.883.792	95,827	93,857	110	240	240	Postignuto
3.113.792	2.873.792	95,777	93,807	110	240	240	Postignuto
3.103.792	2.863.792	95,727	93,757	110	240	240	Postignuto
3.093.792	2.853.792	95,677	93,707	110	240	240	Postignuto
3.083.792	2.843.792	95,627	93,657	110	240	240	Postignuto
3.073.792	2.833.792	95,577	93,607	110	240	240	Postignuto
3.063.792	2.823.792	95,527	93,557	110	240	240	Postignuto
3.053.792	2.813.792	95,477	93,507	110	240	240	Postignuto
3.043.792	2.803.792	95,427	93,457	110	240	240	Postignuto
3.033.792	2.793.792	95,377	93,407	110	240	240	Postignuto
3.023.792	2.783.792	95,327	93,357	110	240	240	Postignuto
3.013.792	2.773.792	95,277	93,307	110	240	240	Postignuto
3.003.792	2.763.792	95,227	93,257	110	240	240	Postignuto
2.993.792	2.753.792	95,177	93,207	110	240	240	Postignuto
2.983.792	2.743.792	95,127	93,157	110	240	240	Postignuto
2.963.792	2.723.784	95,027	93,047	110	240	240,008	Postignuto
2.943.792	2.703.788	94,927	92,938	110	240	240,003	Postignuto
2.933.792	2.693.792	94,877	92,884	110	240	239,999	Postignuto
2.923.792	2.683.792	94,827	92,83	110	240	239,999	Postignuto
2.903.792	2.663.787	94,727	92,72	110	240	240,005	Postignuto
2.883.792	2.643.789	94,627	92,611	110	240	240,003	Postignuto
2.873.792	2.633.791	94,577	92,557	110	240	240	Postignuto
2.863.792	2.623.791	94,527	92,503	110	240	240,001	Postignuto
2.853.792	2.613.793	94,477	92,388	110	240	239,999	Postignuto
2.843.792	2.603.790	94,427	92,273	110	240	240,002	Postignuto
2.833.792	2.593.792	94,377	92,168	110	240	240	Postignuto
2.823.792	2.583.791	94,327	92,048	110	240	240,001	Postignuto
2.813.792	2.573.792	94,277	91,953	110	240	240	Postignuto
2.803.792	2.563.792	94,227	91,903	110	240	240	Postignuto
2.793.792	2.553.792	94,177	91,853	110	240	240	Postignuto
2.783.792	2.543.792	94,127	91,803	110	240	240	Postignuto
2.773.792	2.533.792	94,077	91,753	110	240	240	Postignuto
2.763.792	2.523.792	94,027	91,703	110	240	240	Postignuto
2.753.792	2.513.792	93,977	91,653	110	240	240	Postignuto
2.743.792	2.503.792	93,927	91,603	110	240	240	Postignuto
2.733.796	2.493.792	93,872	91,553	110	240	240,005	Postignuto
2.713.799	2.473.792	93,764	91,453	110	240	240,007	Postignuto
2.693.792	2.453.792	93,654	91,353	110	240	240,001	Postignuto
2.683.792	2.443.792	93,6	91,303	110	240	240,001	Postignuto
2.673.794	2.433.792	93,545	91,253	110	240	240,003	Postignuto
2.653.795	2.413.792	93,436	91,153	110	240	240,003	Postignuto
2.633.791	2.393.792	93,327	91,053	110	240	240	Postignuto
2.623.791	2.383.792	93,273	91,003	110	240	239,999	Postignuto
2.613.793	2.373.792	93,158	90,953	110	240	240,001	Postignuto
2.593.792	2.353.792	92,938	90,853	110	240	240	Postignuto
2.583.791	2.343.792	92,818	90,803	110	240	239,999	Postignuto
2.573.792	2.333.792	92,723	90,753	110	240	240	Postignuto
2.563.792	2.323.792	92,673	90,703	110	240	240	Postignuto
2.553.792	2.313.792	92,623	90,653	110	240	240	Postignuto
2.543.792	2.303.792	92,573	90,603	110	240	240	Postignuto
2.533.792	2.293.792	92,523	90,553	110	240	240	Postignuto
2.523.792	2.283.792	92,473	90,503	110	240	240	Postignuto
2.513.792	2.273.792	92,423	90,453	110	240	240	Postignuto
2.503.792	2.263.792	92,373	90,403	110	240	240	Postignuto
2.493.792	2.253.792	92,323	90,353	110	240	240	Postignuto
2.483.792	2.243.792	92,273	90,303	110	240	240	Postignuto
2.473.792	2.233.792	92,223	90,253	110	240	240	Postignuto
2.463.792	2.223.792	92,173	90,203	110	240	240	Postignuto
2.453.792	2.213.792	92,123	90,153	110	240	240	Postignuto
2.443.792	2.203.792	92,073	90,103	110	240	240	Postignuto
2.433.792	2.193.792	92,023	90,053	110	240	240	Postignuto
2.423.792	2.183.792	91,973	90,003	110	240	240	Postignuto
2.413.792	2.173.792	91,923	89,953	110	240	240	Postignuto
2.403.792	2.163.792	91,873	89,903	110	240	240	Postignuto
2.393.792	2.153.792	91,823	89,853	110	240	240	Postignuto
2.383.792	2.143.792	91,773	89,803	110	240	240	Postignuto
2.373.792	2.133.792	91,723	89,753	110	240	240	Postignuto
2.363.792	2.123.792	91,673	89,703	110	240	240	Postignuto
2.353.792	2.113.792	91,623	89,653	110	240	240	Postignuto
2.343.792	2.103.792	91,573	89,603	110	240	240	Postignuto
2.333.792	2.093.792	91,523	89,553	110	240	240	Postignuto
2.323.792	2.083.792	91,473	89,503	110	240	240	Postignuto
2.313.792	2.073.792	91,423	89,453	110	240	240	Postignuto
2.303.792	2.063.792	91,373	89,403	110	240	240	Postignuto
2.293.792	2.053.792	91,323	89,353	110	240	240	Postignuto
2.283.792	2.043.792	91,273	89,303	110	240	240	Postignuto
2.273.792	2.033.792	91,223	89,253	110	240	240	Postignuto
2.263.792	2.023.792	91,173	89,203	110	240	240	Postignuto
2.253.792	2.013.792	91,123	89,153	110	240	240	Postignuto
2.243.792	2.003.792	91,073	89,103	110	240	240	Postignuto
2.233.792	1.993.792	91,023	89,053	110	240	240	Postignuto
2.223.792	1.983.792	90,973	89,003	110	240	240	Postignuto
2.213.792	1.973.792	90,923	88,953	110	240	240	Postignuto
2.203.792	1.963.792	90,873	88,903	110	240	240	Postignuto
2.193.792	1.953.792	90,823	88,853	110	240	240	Postignuto
2.183.792	1.943.792	90,773	88,803	110	240	240	Postignuto
2.173.792	1.933.792	90,723	88,753	110	240	240	Postignuto
2.163.792	1.923.792	90,673	88,703	110	240	240	Postignuto
2.153.792	1.913.792	90,623	88,653	110	240	240	Postignuto
2.143.792	1.903.792	90,573	88,603	110	240	240	Postignuto
2.133.792	1.893.792	90,523	88,553	110	240	240	Postignuto

2.123.792	1.883.792	90,473	88,503	110	240	240	Postignuto
2.113.792	1.873.792	90,423	88,453	110	240	240	Postignuto
2.103.792	1.863.792	90,373	88,403	110	240	240	Postignuto
2.093.792	1.853.792	90,323	88,353	110	240	240	Postignuto
2.083.792	1.843.792	90,273	88,303	110	240	240	Postignuto
2.073.792	1.833.792	90,223	88,253	110	240	240	Postignuto
2.063.792	1.823.792	90,173	88,203	110	240	240	Postignuto
2.053.792	1.813.792	90,123	88,153	110	240	240	Postignuto
2.043.792	1.803.792	90,073	88,103	110	240	240	Postignuto
2.033.792	1.793.792	90,023	88,05	110	240	240	Postignuto
2.023.792	1.783.792	89,973	87,998	110	240	240	Postignuto
2.013.792	1.773.791	89,923	87,947	110	240	240	Postignuto
1.993.792	1.753.792	89,823	87,844	110	240	240	Postignuto
1.983.792	1.743.792	89,773	87,792	110	240	240	Postignuto
1.973.792	1.733.790	89,723	87,74	110	240	240,002	Postignuto
1.933.792	1.693.789	89,523	87,534	110	240	240,003	Postignuto
1.913.792	1.673.789	89,423	87,431	110	240	240,003	Postignuto
1.893.792	1.653.791	89,323	87,328	110	240	240	Postignuto
1.883.792	1.643.790	89,273	87,277	110	240	240,001	Postignuto
1.873.792	1.633.788	89,223	87,225	110	240	240,004	Postignuto
1.853.792	1.613.792	89,123	87,123	110	240	239,999	Postignuto
1.833.792	1.593.786	89,023	87,023	110	240	240,006	Postignuto
1.813.792	1.573.792	88,923	86,923	110	240	240	Postignuto
1.803.792	1.563.792	88,871	86,873	110	240	240	Postignuto
1.793.792	1.553.792	88,82	86,823	110	240	240	Postignuto
1.783.792	1.543.792	88,768	86,773	110	240	240	Postignuto
1.773.791	1.533.792	88,717	86,723	110	240	240	Postignuto
1.763.794	1.523.792	88,665	86,673	110	240	240,002	Postignuto
1.753.792	1.513.792	88,614	86,623	110	240	240	Postignuto
1.743.792	1.503.792	88,562	86,573	110	240	240	Postignuto
1.723.795	1.483.792	88,459	86,473	110	240	240,003	Postignuto
1.713.793	1.473.792	88,408	86,423	110	240	240,002	Postignuto
1.703.793	1.463.792	88,356	86,373	110	240	240,002	Postignuto
1.683.796	1.443.792	88,253	86,273	110	240	240,004	Postignuto
1.663.797	1.423.792	88,15	86,173	110	240	240,005	Postignuto
1.653.791	1.413.792	88,098	86,123	110	240	240	Postignuto
1.623.798	1.383.792	87,944	85,973	110	240	240,006	Postignuto
1.613.792	1.373.792	87,893	85,923	110	240	240,001	Postignuto
1.603.795	1.363.792	87,843	85,873	110	240	240,003	Postignuto
1.583.797	1.343.792	87,743	85,773	110	240	240,005	Postignuto
1.573.792	1.333.792	87,693	85,723	110	240	240	Postignuto
1.563.792	1.323.792	87,643	85,673	110	240	240	Postignuto
1.553.792	1.313.792	87,593	85,623	110	240	240	Postignuto
1.543.792	1.303.792	87,543	85,573	110	240	240	Postignuto
1.533.792	1.293.792	87,493	85,523	110	240	240	Postignuto
1.523.792	1.283.792	87,443	85,473	110	240	240	Postignuto
1.513.792	1.273.792	87,393	85,423	110	240	240	Postignuto
1.503.792	1.263.792	87,343	85,373	110	240	240	Postignuto
1.493.792	1.253.792	87,293	85,323	110	240	240	Postignuto
1.483.792	1.243.792	87,243	85,273	110	240	240	Postignuto
1.473.792	1.233.792	87,193	85,223	110	240	240	Postignuto
1.463.792	1.223.792	87,143	85,173	110	240	240	Postignuto
1.453.792	1.213.792	87,093	85,123	110	240	240	Postignuto
1.443.792	1.203.792	87,043	85,073	110	240	240	Postignuto
1.433.792	1.193.792	86,993	85,023	110	240	240	Postignuto
1.423.792	1.183.792	86,943	84,973	110	240	240	Postignuto
1.413.792	1.173.792	86,893	84,923	110	240	240	Postignuto
1.403.792	1.163.792	86,843	84,873	110	240	240	Postignuto
1.393.792	1.153.792	86,793	84,823	110	240	240	Postignuto
1.383.792	1.143.792	86,743	84,773	110	240	240	Postignuto
1.373.792	1.133.792	86,693	84,723	110	240	240	Postignuto
1.363.792	1.123.792	86,643	84,673	110	240	240	Postignuto
1.353.792	1.113.792	86,593	84,623	110	240	240	Postignuto
1.343.792	1.103.792	86,543	84,573	110	240	240	Postignuto
1.333.792	1.093.792	86,493	84,523	110	240	240	Postignuto
1.323.792	1.083.792	86,443	84,473	110	240	240	Postignuto
1.313.792	1.073.792	86,393	84,423	110	240	240	Postignuto
1.303.792	1.063.792	86,343	84,373	110	240	240	Postignuto
1.293.792	1.053.792	86,293	84,323	110	240	240	Postignuto
1.283.792	1.043.792	86,243	84,273	110	240	240	Postignuto
1.273.792	1.033.792	86,193	84,223	110	240	240	Postignuto
1.263.792	1.023.792	86,143	84,173	110	240	240	Postignuto
1.253.792	1.013.792	86,093	84,123	110	240	240	Postignuto
1.243.792	1.003.792	86,043	84,073	110	240	240	Postignuto
1.233.792	993.792	85,993	84,023	110	240	240	Postignuto
1.223.792	983.792	85,943	83,973	110	240	240	Postignuto
1.213.792	973.792	85,893	83,923	110	240	240	Postignuto
1.203.792	963.792	85,843	83,873	110	240	240	Postignuto
1.193.792	953.792	85,793	83,823	110	240	240	Postignuto
1.183.792	943.792	85,743	83,773	110	240	240	Postignuto
1.173.792	933.792	85,693	83,723	110	240	240	Postignuto
1.163.792	923.792	85,643	83,673	110	240	240	Postignuto
1.153.792	913.792	85,593	83,623	110	240	240	Postignuto
1.143.792	903.792	85,543	83,573	110	240	240	Postignuto
1.133.792	893.792	85,493	83,523	110	240	240	Postignuto
1.123.792	883.792	85,443	83,473	110	240	240	Postignuto
1.113.792	873.792	85,393	83,423	110	240	240	Postignuto
1.103.792	863.792	85,343	83,373	110	240	240	Postignuto
1.093.792	853.792	85,293	83,323	110	240	240	Postignuto
1.083.792	843.792	85,243	83,273	110	240	240	Postignuto
1.073.792	833.792	85,193	83,223	110	240	240	Postignuto
1.063.792	823.792	85,143	83,173	110	240	240	Postignuto
1.053.792	813.792	85,093	83,123	110	240	240	Postignuto
1.043.792	803.792	85,043	83,073	110	240	240	Postignuto
1.033.792	793.792	84,993	83,023	110	240	240	Postignuto

1.023.792	783.790	84,943	82,973	110	240	240,002	Postignuto
1.013.792	773.788	84,893	82,924	110	240	240,004	Postignuto
993.792	753.791	84,793	82,827	110	240	240,001	Postignuto
973.792	733.789	84,693	82,73	110	240	240,003	Postignuto
953.792	713.788	84,593	82,633	110	240	240,003	Postignuto
933.792	693.791	84,493	82,536	110	240	240,001	Postignuto
923.792	683.791	84,443	82,488	110	240	240,001	Postignuto
913.792	673.790	84,393	82,439	110	240	240,002	Postignuto
893.792	653.792	84,293	82,342	110	240	239,999	Postignuto
883.792	643.792	84,243	82,294	110	240	239,999	Postignuto
873.792	633.790	84,193	82,245	110	240	240,002	Postignuto
863.792	623.792	84,143	82,197	110	240	239,999	Postignuto
853.792	613.792	84,093	82,148	110	240	240	Postignuto
843.792	603.792	84,043	82,1	110	240	240	Postignuto
833.792	593.792	83,993	82,051	110	240	240	Postignuto
823.792	583.792	83,943	82,003	110	240	240	Postignuto
813.792	573.792	83,893	81,953	110	240	240	Postignuto
803.792	563.792	83,843	81,903	110	240	240	Postignuto
793.792	553.792	83,793	81,853	110	240	240	Postignuto
763.798	523.792	83,646	81,703	110	240	240,006	Postignuto
753.791	513.792	83,597	81,653	110	240	239,999	Postignuto
743.793	503.792	83,549	81,605	110	240	240,001	Postignuto
723.797	483.792	83,452	81,528	110	240	240,005	Postignuto
703.795	463.792	83,355	81,474	110	240	240,003	Postignuto
693.791	453.792	83,306	81,457	110	240	239,999	Postignuto
683.791	443.792	83,258	81,445	110	240	239,999	Postignuto
663.795	423.792	83,161	81,442	110	240	240,003	Postignuto
653.792	413.792	83,112	81,45	110	240	240,001	Postignuto
643.792	403.792	83,064	81,463	110	240	240,001	Postignuto
623.792	383.792	82,967	81,51	110	240	240,001	Postignuto
613.792	373.792	82,918	81,543	110	240	240	Postignuto
603.792	363.792	82,87	81,581	110	240	240	Postignuto
593.792	353.792	82,821	81,627	110	240	240	Postignuto
583.792	343.792	82,773	81,677	110	240	240	Postignuto
573.792	333.792	82,723	81,736	110	240	240	Postignuto
563.792	323.792	82,673	81,799	110	240	240	Postignuto
553.792	313.792	82,623	81,869	110	240	240	Postignuto
543.792	303.792	82,573	81,945	110	240	240	Postignuto
533.792	293.792	82,523	82,024	110	240	240	Postignuto
523.792	283.792	82,473	82,106	110	240	240	Postignuto
513.792	273.792	82,423	82,188	110	240	240	Postignuto
503.792	263.792	82,375	82,27	110	240	240	Postignuto
493.792	253.792	82,335	82,351	110	240	240	Postignuto
483.792	243.792	82,298	82,433	110	240	240	Postignuto
473.792	233.792	82,268	82,515	110	240	240	Postignuto
463.792	223.792	82,244	82,596	110	240	240	Postignuto
453.792	213.792	82,227	82,678	110	240	240	Postignuto
443.792	203.792	82,215	82,76	110	240	240	Postignuto
433.792	193.792	82,211	82,842	110	240	240	Postignuto
423.792	183.792	82,212	82,923	110	240	240	Postignuto
413.792	173.792	82,22	83,005	110	240	240	Postignuto
403.792	163.792	82,233	83,087	110	240	240	Postignuto
393.792	153.792	82,254	83,168	110	240	240	Postignuto
383.792	143.792	82,28	83,25	110	240	240	Postignuto
373.792	133.792	82,313	83,332	110	240	240	Postignuto
363.792	123.792	82,351	83,414	110	240	240	Postignuto
353.792	113.792	82,397	83,495	110	240	240	Postignuto
343.792	103.792	82,447	83,577	110	240	240	Postignuto
333.792	93.792	82,506	83,659	110	240	240	Postignuto
323.792	83.792	82,569	83,741	110	240	240	Postignuto
313.792	73.792	82,639	83,822	110	240	240	Postignuto
303.792	63.792	82,715	83,904	110	240	240	Postignuto
293.792	53.792	82,794	83,986	110	240	240	Postignuto
283.792	43.792	82,876	84,067	110	240	240	Postignuto
273.792	33.792	82,958	84,149	110	240	240	Postignuto
263.792	23.792	83,04	84,231	110	240	240	Postignuto
253.792	13.792	83,121	84,313	110	240	240	Postignuto
243.792	3.792	83,203	84,394	110	240	240	Postignuto

Stacionaža oka	Stacionaža objekta	Nadmorska visina oka	Nadmorska visina objekta	Projektna brzina	Potrebna zaustavna preglednost	Postignuta zaustavna preglednost	Status
8.337.604	8.097.604	129,277	125,756	110	240	240	Postignuto
8.327.604	8.087.604	129,163	125,642	110	240	240	Postignuto
8.317.604	8.077.604	129,048	125,527	110	240	240	Postignuto
8.307.604	8.067.604	128,933	125,413	110	240	240	Postignuto
8.297.604	8.057.604	128,819	125,298	110	240	240	Postignuto
8.287.604	8.047.604	128,704	125,183	110	240	240	Postignuto
8.277.604	8.037.604	128,59	125,069	110	240	240	Postignuto
8.267.604	8.027.604	128,475	124,954	110	240	240	Postignuto
8.257.604	8.017.604	128,36	124,84	110	240	240	Postignuto
8.247.604	8.007.604	128,246	124,725	110	240	240	Postignuto
8.237.604	7.997.604	128,131	124,61	110	240	240	Postignuto
8.227.604	7.987.604	128,016	124,496	110	240	240	Postignuto
8.217.604	7.977.604	127,902	124,381	110	240	240	Postignuto
8.207.604	7.967.604	127,787	124,266	110	240	240	Postignuto
8.197.604	7.957.604	127,673	124,152	110	240	240	Postignuto
8.187.604	7.947.604	127,558	124,037	110	240	240	Postignuto
8.177.604	7.937.604	127,443	123,923	110	240	240	Postignuto
8.167.604	7.927.604	127,329	123,808	110	240	240	Postignuto
8.157.604	7.917.604	127,214	123,693	110	240	240	Postignuto
8.147.604	7.907.604	127,1	123,579	110	240	240	Postignuto
8.137.604	7.897.604	126,985	123,464	110	240	240	Postignuto
8.127.604	7.887.604	126,87	123,35	110	240	240	Postignuto
8.117.604	7.877.604	126,756	123,235	110	240	240	Postignuto
8.107.604	7.867.603	126,641	123,117	110	240	240,001	Postignuto
8.097.604	7.857.604	126,526	122,999	110	240	240	Postignuto
8.087.604	7.847.604	126,412	122,883	110	240	240	Postignuto
8.077.604	7.837.603	126,297	122,766	110	240	240,001	Postignuto
8.047.604	7.807.604	125,953	122,414	110	240	240	Postignuto
8.037.604	7.797.601	125,839	122,297	110	240	240,003	Postignuto
8.017.604	7.777.599	125,61	122,062	110	240	240,005	Postignuto
7.987.604	7.747.595	125,266	121,71	110	240	240,009	Postignuto
7.977.604	7.737.604	125,151	121,592	110	240	240	Postignuto
7.957.604	7.717.598	124,922	121,358	110	240	240,006	Postignuto
7.937.604	7.697.604	124,693	121,124	110	240	240	Postignuto
7.927.604	7.687.604	124,578	121,01	110	240	240	Postignuto
7.917.604	7.677.604	124,463	120,895	110	240	240	Postignuto
7.907.604	7.667.604	124,349	120,78	110	240	240	Postignuto
7.897.604	7.657.604	124,234	120,666	110	240	240	Postignuto
7.887.604	7.647.604	124,12	120,551	110	240	240	Postignuto
7.877.604	7.637.604	124,005	120,437	110	240	240	Postignuto
7.867.603	7.627.604	123,887	120,322	110	240	239,999	Postignuto
7.857.604	7.617.604	123,769	120,207	110	240	240	Postignuto
7.847.604	7.607.604	123,653	120,093	110	240	240	Postignuto
7.837.603	7.597.604	123,536	119,978	110	240	239,999	Postignuto
7.827.606	7.587.604	123,418	119,863	110	240	240,002	Postignuto
7.817.605	7.577.604	123,301	119,749	110	240	240,001	Postignuto
7.807.604	7.567.604	123,184	119,634	110	240	240	Postignuto
7.787.607	7.547.604	122,949	119,405	110	240	240,003	Postignuto
7.767.606	7.527.604	122,714	119,176	110	240	240,002	Postignuto
7.757.614	7.517.604	122,598	119,061	110	240	240,01	Postignuto
7.737.604	7.497.604	122,362	118,832	110	240	240	Postignuto
7.727.614	7.487.604	122,246	118,717	110	240	240,01	Postignuto
7.707.610	7.467.604	122,01	118,488	110	240	240,006	Postignuto
7.697.604	7.457.604	121,894	118,373	110	240	240	Postignuto
7.687.604	7.447.604	121,78	118,259	110	240	240	Postignuto
7.677.604	7.437.604	121,665	118,144	110	240	240	Postignuto
7.667.604	7.427.604	121,55	118,03	110	240	240	Postignuto
7.657.604	7.417.604	121,436	117,915	110	240	240	Postignuto
7.647.604	7.407.604	121,321	117,8	110	240	240	Postignuto
7.637.604	7.397.604	121,207	117,685	110	240	240	Postignuto
7.627.604	7.387.604	121,092	117,571	110	240	240	Postignuto
7.617.604	7.377.604	120,977	117,456	110	240	240	Postignuto
7.607.604	7.367.604	120,863	117,342	110	240	240	Postignuto
7.597.604	7.357.604	120,748	117,227	110	240	240	Postignuto
7.587.604	7.347.604	120,633	117,112	110	240	240	Postignuto
7.577.604	7.347.604	120,519	117,112	110	240	230	Nije postignuto
7.567.604	7.337.604	120,404	116,998	110	240	230	Nije postignuto
7.557.604	7.327.604	120,29	116,883	110	240	230	Nije postignuto
7.547.604	7.317.604	120,175	116,769	110	240	230	Nije postignuto
7.537.604	7.307.604	120,06	116,654	110	240	230	Nije postignuto
7.527.604	7.297.604	119,946	116,539	110	240	230	Nije postignuto
7.517.604	7.287.604	119,831	116,425	110	240	230	Nije postignuto
7.507.604	7.287.604	119,717	116,425	110	240	220	Nije postignuto
7.497.604	7.277.604	119,602	116,31	110	240	220	Nije postignuto
7.487.604	7.277.604	119,487	116,31	110	240	210	Nije postignuto
7.477.604	7.267.604	119,373	116,195	110	240	210	Nije postignuto
7.467.604	7.257.604	119,258	116,081	110	240	210	Nije postignuto
7.457.604	7.247.604	119,143	115,966	110	240	210	Nije postignuto
7.447.604	7.237.604	119,029	115,852	110	240	210	Nije postignuto
7.437.604	7.227.604	118,914	115,738	110	240	210	Nije postignuto
7.427.604	7.217.604	118,8	115,622	110	240	210	Nije postignuto
7.417.604	7.207.604	118,685	115,508	110	240	210	Nije postignuto
7.407.604	7.197.604	118,57	115,393	110	240	210	Nije postignuto
7.397.604	7.187.604	118,455	115,279	110	240	210	Nije postignuto
7.387.604	7.177.604	118,341	115,164	110	240	210	Nije postignuto
7.377.604	7.167.604	118,226	115,049	110	240	210	Nije postignuto

7.367.604	7.157.604	118,112	114,935	110	240	210	Nije postignuto
7.357.604	7.147.604	117,997	114,82	110	240	210	Nije postignuto
7.347.604	7.137.604	117,882	114,705	110	240	210	Nije postignuto
7.337.604	7.127.604	117,768	114,591	110	240	210	Nije postignuto
7.327.604	7.117.604	117,653	114,476	110	240	210	Nije postignuto
7.317.604	7.107.604	117,539	114,362	110	240	210	Nije postignuto
7.307.604	7.097.604	117,424	114,247	110	240	210	Nije postignuto
7.297.604	7.087.604	117,309	114,132	110	240	210	Nije postignuto
7.287.604	7.077.604	117,195	114,018	110	240	210	Nije postignuto
7.277.604	7.067.604	117,08	113,903	110	240	210	Nije postignuto
7.267.604	7.057.604	116,965	113,788	110	240	210	Nije postignuto
7.257.604	7.037.604	116,851	113,56	110	240	220	Nije postignuto
7.247.604	7.027.604	116,736	113,445	110	240	220	Nije postignuto
7.237.604	7.007.604	116,622	113,216	110	240	230	Nije postignuto
7.227.604	6.987.604	116,508	112,987	110	240	240	Postignuto
7.217.604	6.977.604	116,392	112,871	110	240	240	Postignuto
7.207.604	6.967.604	116,278	112,757	110	240	240	Postignuto
7.197.604	6.957.604	116,163	112,643	110	240	240	Postignuto
7.187.604	6.947.604	116,049	112,528	110	240	240	Postignuto
7.177.604	6.937.604	115,934	112,414	110	240	240	Postignuto
7.167.604	6.927.604	115,819	112,299	110	240	240	Postignuto
7.157.604	6.917.604	115,705	112,184	110	240	240	Postignuto
7.147.604	6.907.604	115,59	112,07	110	240	240	Postignuto
7.137.604	6.897.604	115,475	111,955	110	240	240	Postignuto
7.127.604	6.887.604	115,361	111,84	110	240	240	Postignuto
7.117.604	6.877.604	115,246	111,726	110	240	240	Postignuto
7.107.604	6.867.604	115,132	111,611	110	240	240	Postignuto
7.097.604	6.857.604	115,017	111,496	110	240	240	Postignuto
7.087.604	6.847.604	114,902	111,382	110	240	240	Postignuto
7.077.604	6.837.604	114,788	111,267	110	240	240	Postignuto
7.067.604	6.827.604	114,673	111,153	110	240	240	Postignuto
7.057.604	6.817.604	114,558	111,038	110	240	240	Postignuto
7.047.604	6.807.604	114,444	110,923	110	240	240	Postignuto
7.037.604	6.797.604	114,33	110,809	110	240	240	Postignuto
7.027.604	6.787.604	114,215	110,694	110	240	240	Postignuto
7.017.604	6.777.596	114,1	110,58	110	240	240,007	Postignuto
6.987.604	6.747.595	113,757	110,247	110	240	240,008	Postignuto
6.957.604	6.717.600	113,413	109,911	110	240	240,004	Postignuto
6.937.604	6.697.605	113,184	109,69	110	240	239,999	Postignuto
6.927.604	6.687.601	113,069	109,576	110	240	240,003	Postignuto
6.897.604	6.657.604	112,725	109,243	110	240	240	Postignuto
6.887.604	6.647.603	112,61	109,132	110	240	240,001	Postignuto
6.867.604	6.627.603	112,381	108,908	110	240	240,001	Postignuto
6.857.604	6.617.604	112,266	108,859	110	240	240	Postignuto
6.847.604	6.607.605	112,152	108,825	110	240	239,999	Postignuto
6.837.604	6.597.605	112,037	108,757	110	240	239,999	Postignuto
6.827.604	6.587.604	111,923	108,706	110	240	240	Postignuto
6.807.604	6.567.604	111,693	108,523	110	240	240	Postignuto
6.797.604	6.557.601	111,579	108,412	110	240	240,003	Postignuto
6.767.608	6.527.608	111,24	108,075	110	240	240	Postignuto
6.757.619	6.517.603	111,129	107,964	110	240	240,016	Postignuto
6.727.614	6.487.601	110,794	107,629	110	240	240,012	Postignuto
6.707.608	6.467.599	110,571	107,405	110	240	240,009	Postignuto
6.697.605	6.457.601	110,46	107,293	110	240	240,004	Postignuto
6.677.606	6.437.600	110,236	107,069	110	240	240,006	Postignuto
6.657.604	6.417.602	110,013	106,845	110	240	240,003	Postignuto
6.647.603	6.407.590	109,902	106,734	110	240	240,013	Postignuto
6.637.605	6.397.604	109,791	106,62	110	240	240,001	Postignuto
6.627.603	6.387.604	109,678	106,506	110	240	239,999	Postignuto
6.617.604	6.377.604	109,629	106,391	110	240	240	Postignuto
6.607.605	6.367.604	109,595	106,276	110	240	240,001	Postignuto
6.597.605	6.357.604	109,527	106,161	110	240	240,001	Postignuto
6.587.604	6.347.604	109,476	106,047	110	240	240	Postignuto
6.577.606	6.337.604	109,405	105,932	110	240	240,002	Postignuto
6.567.604	6.327.604	109,293	105,817	110	240	240	Postignuto
6.547.607	6.307.604	109,07	105,589	110	240	240,003	Postignuto
6.527.608	6.287.604	108,845	105,359	110	240	240,004	Postignuto
6.517.603	6.277.604	108,734	105,245	110	240	239,999	Postignuto
6.497.609	6.257.604	108,51	105,016	110	240	240,005	Postignuto
6.477.607	6.237.604	108,286	104,786	110	240	240,003	Postignuto
6.447.611	6.207.604	107,951	104,442	110	240	240,007	Postignuto
6.427.613	6.187.604	107,727	104,213	110	240	240,009	Postignuto
6.397.604	6.157.604	107,39	103,869	110	240	240	Postignuto
6.387.604	6.147.604	107,276	103,754	110	240	240	Postignuto
6.377.604	6.137.604	107,161	103,64	110	240	240	Postignuto
6.367.604	6.127.604	107,046	103,525	110	240	240	Postignuto
6.357.604	6.117.604	106,931	103,411	110	240	240	Postignuto
6.347.604	6.107.604	106,817	103,296	110	240	240	Postignuto
6.337.604	6.097.604	106,702	103,181	110	240	240	Postignuto
6.327.604	6.087.604	106,587	103,067	110	240	240	Postignuto
6.317.604	6.077.604	106,473	102,952	110	240	240	Postignuto
6.307.604	6.067.604	106,359	102,838	110	240	240	Postignuto
6.297.604	6.057.604	106,243	102,723	110	240	240	Postignuto
6.287.604	6.047.604	106,129	102,608	110	240	240	Postignuto
6.277.604	6.037.604	106,015	102,494	110	240	240	Postignuto
6.267.604	6.027.604	105,9	102,379	110	240	240	Postignuto
6.257.604	6.017.604	105,786	102,265	110	240	240	Postignuto
6.247.604	6.007.604	105,671	102,15	110	240	240	Postignuto
6.237.604	5.997.604	105,556	102,035	110	240	240	Postignuto

6.227.604	5.987.604	105,442	101,921	110	240	240	Postignuto
6.217.604	5.977.604	105,327	101,806	110	240	240	Postignuto
6.207.604	5.967.604	105,212	101,691	110	240	240	Postignuto
6.197.604	5.957.604	105,098	101,577	110	240	240	Postignuto
6.187.604	5.947.604	104,983	101,462	110	240	240	Postignuto
6.177.604	5.937.604	104,869	101,347	110	240	240	Postignuto
6.167.604	5.927.604	104,754	101,233	110	240	240	Postignuto
6.157.604	5.917.604	104,639	101,118	110	240	240	Postignuto
6.147.604	5.907.604	104,524	101,004	110	240	240	Postignuto
6.137.604	5.897.604	104,41	100,889	110	240	240	Postignuto
6.127.604	5.887.604	104,295	100,774	110	240	240	Postignuto
6.117.604	5.877.604	104,181	100,66	110	240	240	Postignuto
6.107.604	5.867.604	104,066	100,546	110	240	240	Postignuto
6.097.604	5.857.604	103,951	100,43	110	240	240	Postignuto
6.087.604	5.847.604	103,837	100,316	110	240	240	Postignuto
6.077.604	5.837.604	103,722	100,201	110	240	240	Postignuto
6.067.604	5.827.604	103,608	100,087	110	240	240	Postignuto
6.057.604	5.817.604	103,493	99,973	110	240	240	Postignuto
6.027.604	5.787.598	103,149	99,621	110	240	240,006	Postignuto
6.007.604	5.767.598	102,92	99,385	110	240	240,006	Postignuto
5.977.604	5.737.600	102,576	99,034	110	240	240,004	Postignuto
5.957.604	5.717.600	102,347	98,798	110	240	240,004	Postignuto
5.927.604	5.687.601	102,003	98,448	110	240	240,003	Postignuto
5.907.604	5.667.602	101,774	98,212	110	240	240,002	Postignuto
5.897.604	5.657.604	101,659	98,096	110	240	239,999	Postignuto
5.887.604	5.647.605	101,544	97,978	110	240	239,999	Postignuto
5.877.604	5.637.603	101,43	97,861	110	240	240,001	Postignuto
5.867.604	5.627.604	101,316	97,679	110	240	240	Postignuto
5.857.604	5.617.603	101,2	97,485	110	240	240,001	Postignuto
5.847.604	5.607.604	101,086	97,34	110	240	240	Postignuto
5.837.604	5.597.603	100,971	97,167	110	240	240,001	Postignuto
5.827.604	5.587.605	100,857	96,988	110	240	239,999	Postignuto
5.817.604	5.577.603	100,743	96,87	110	240	240,001	Postignuto
5.807.607	5.567.605	100,626	96,752	110	240	240,002	Postignuto
5.797.609	5.557.603	100,509	96,636	110	240	240,006	Postignuto
5.777.608	5.537.606	100,274	96,401	110	240	240,002	Postignuto
5.747.608	5.507.602	99,922	96,049	110	240	240,005	Postignuto
5.737.600	5.497.600	99,804	95,932	110	240	239,999	Postignuto
5.707.605	5.467.602	99,452	95,58	110	240	240,003	Postignuto
5.697.606	5.457.602	99,335	95,462	110	240	240,004	Postignuto
5.687.601	5.447.599	99,218	95,345	110	240	240,002	Postignuto
5.667.602	5.427.599	98,982	95,109	110	240	240,003	Postignuto
5.647.605	5.407.604	98,748	94,877	110	240	240,001	Postignuto
5.627.604	5.387.604	98,449	94,648	110	240	240	Postignuto
5.617.603	5.377.604	98,255	94,533	110	240	239,999	Postignuto
5.607.604	5.367.604	98,11	94,419	110	240	240	Postignuto
5.597.603	5.357.604	97,937	94,304	110	240	239,999	Postignuto
5.587.605	5.347.604	97,758	94,189	110	240	240,001	Postignuto
5.567.605	5.327.604	97,522	93,96	110	240	240,001	Postignuto
5.557.603	5.317.604	97,406	93,845	110	240	239,999	Postignuto
5.537.606	5.297.604	97,171	93,616	110	240	240,002	Postignuto
5.517.607	5.277.604	96,935	93,387	110	240	240,003	Postignuto
5.487.608	5.247.604	96,584	93,043	110	240	240,004	Postignuto
5.477.604	5.237.604	96,466	92,928	110	240	240	Postignuto
5.437.610	5.197.604	95,997	92,47	110	240	240,006	Postignuto
5.417.611	5.177.604	95,761	92,241	110	240	240,007	Postignuto
5.407.604	5.177.604	95,647	92,241	110	240	230	Nije postignuto
5.397.604	5.167.604	95,532	92,126	110	240	230	Nije postignuto
5.387.604	5.157.604	95,418	92,011	110	240	230	Nije postignuto
5.377.604	5.147.604	95,303	91,897	110	240	230	Nije postignuto
5.367.604	5.137.604	95,189	91,782	110	240	230	Nije postignuto
5.357.604	5.127.604	95,074	91,667	110	240	230	Nije postignuto
5.347.604	5.117.604	94,959	91,553	110	240	230	Nije postignuto
5.337.604	5.107.604	94,845	91,438	110	240	230	Nije postignuto
5.327.604	5.097.604	94,73	91,324	110	240	230	Nije postignuto
5.317.604	5.087.604	94,615	91,21	110	240	230	Nije postignuto
5.307.604	5.077.604	94,501	91,094	110	240	230	Nije postignuto
5.297.604	5.067.604	94,386	90,98	110	240	230	Nije postignuto
5.287.604	5.057.604	94,271	90,865	110	240	230	Nije postignuto
5.277.604	5.047.604	94,157	90,75	110	240	230	Nije postignuto
5.267.604	5.037.604	94,042	90,636	110	240	230	Nije postignuto
5.257.604	5.027.604	93,928	90,522	110	240	230	Nije postignuto
5.247.604	5.017.604	93,813	90,407	110	240	230	Nije postignuto
5.237.604	5.007.604	93,698	90,293	110	240	230	Nije postignuto
5.227.604	4.997.604	93,584	90,178	110	240	230	Nije postignuto
5.217.604	4.987.604	93,469	90,063	110	240	230	Nije postignuto
5.207.604	4.977.604	93,355	89,949	110	240	230	Nije postignuto
5.197.604	4.967.604	93,24	89,834	110	240	230	Nije postignuto
5.187.604	4.957.604	93,125	89,719	110	240	230	Nije postignuto
5.177.604	4.947.604	93,011	89,605	110	240	230	Nije postignuto
5.167.604	4.947.604	92,896	89,605	110	240	220	Nije postignuto
5.157.604	4.937.604	92,781	89,49	110	240	220	Nije postignuto
5.147.604	4.937.604	92,667	89,49	110	240	210	Nije postignuto
5.137.604	4.927.604	92,552	89,375	110	240	210	Nije postignuto
5.127.604	4.917.604	92,437	89,264	110	240	210	Nije postignuto
5.117.604	4.907.604	92,323	89,158	110	240	210	Nije postignuto
5.107.604	4.897.604	92,208	89,059	110	240	210	Nije postignuto
5.097.604	4.887.604	92,094	88,968	110	240	210	Nije postignuto
5.087.604	4.877.604	91,98	88,884	110	240	210	Nije postignuto

5.077.604	4.867.604	91,864	88,808	110	240	210	Nije postignuto
5.067.604	4.857.604	91,75	88,735	110	240	210	Nije postignuto
5.057.604	4.847.604	91,635	88,673	110	240	210	Nije postignuto
5.047.604	4.837.604	91,52	88,618	110	240	210	Nije postignuto
5.037.604	4.817.604	91,406	88,529	110	240	220	Nije postignuto
5.027.604	4.797.604	91,292	88,465	110	240	230	Nije postignuto
5.017.604	4.777.604	91,177	88,432	110	240	240	Postignuto
5.007.604	4.767.604	91,063	88,429	110	240	240	Postignuto
4.997.604	4.757.604	90,948	88,429	110	240	240	Postignuto
4.987.604	4.747.604	90,833	88,436	110	240	240	Postignuto
4.977.604	4.737.604	90,719	88,454	110	240	240	Postignuto
4.967.604	4.727.604	90,604	88,476	110	240	240	Postignuto
4.957.604	4.717.604	90,489	88,506	110	240	240	Postignuto
4.947.604	4.707.604	90,375	88,544	110	240	240	Postignuto
4.937.604	4.697.604	90,26	88,586	110	240	240	Postignuto
4.927.604	4.687.604	90,145	88,637	110	240	240	Postignuto
4.917.604	4.677.604	90,034	88,69	110	240	240	Postignuto
4.907.604	4.667.604	89,928	88,742	110	240	240	Postignuto
4.897.604	4.657.604	89,829	88,796	110	240	240	Postignuto
4.887.604	4.647.604	89,738	88,848	110	240	240	Postignuto
4.877.604	4.637.604	89,654	88,901	110	240	240	Postignuto
4.867.604	4.627.604	89,578	88,954	110	240	240	Postignuto
4.857.604	4.617.604	89,505	89,006	110	240	240	Postignuto
4.847.604	4.607.604	89,443	89,059	110	240	240	Postignuto
4.837.604	4.597.604	89,388	89,112	110	240	240	Postignuto
4.827.604	4.587.604	89,339	89,164	110	240	240	Postignuto
4.817.604	4.577.604	89,299	89,217	110	240	240	Postignuto
4.807.604	4.567.604	89,263	89,27	110	240	240	Postignuto
4.797.604	4.557.604	89,235	89,323	110	240	240	Postignuto
4.787.604	4.547.604	89,217	89,375	110	240	240	Postignuto
4.777.604	4.537.604	89,202	89,428	110	240	240	Postignuto
4.767.604	4.527.604	89,199	89,481	110	240	240	Postignuto
4.757.604	4.517.604	89,199	89,534	110	240	240	Postignuto
4.747.604	4.507.604	89,206	89,586	110	240	240	Postignuto
4.737.604	4.497.604	89,224	89,639	110	240	240	Postignuto
4.727.604	4.487.604	89,246	89,692	110	240	240	Postignuto
4.717.604	4.477.604	89,276	89,744	110	240	240	Postignuto
4.707.604	4.467.604	89,314	89,798	110	240	240	Postignuto
4.697.604	4.457.604	89,356	89,85	110	240	240	Postignuto
4.687.604	4.447.604	89,407	89,903	110	240	240	Postignuto
4.677.604	4.437.599	89,46	89,956	110	240	240,005	Postignuto
4.657.604	4.417.597	89,566	90,068	110	240	240,007	Postignuto
4.637.604	4.397.604	89,671	90,18	110	240	239,999	Postignuto
4.617.604	4.377.604	89,776	90,29	110	240	239,999	Postignuto
4.607.604	4.367.599	89,829	90,345	110	240	240,005	Postignuto
4.587.604	4.347.604	89,934	90,457	110	240	240	Postignuto
4.577.604	4.337.602	89,987	90,511	110	240	240,002	Postignuto
4.557.604	4.317.601	90,093	90,622	110	240	240,003	Postignuto
4.537.604	4.297.604	90,198	90,734	110	240	240	Postignuto
4.527.604	4.287.603	90,251	90,788	110	240	240,001	Postignuto
4.507.604	4.267.603	90,356	90,9	110	240	240,001	Postignuto
4.497.604	4.257.604	90,409	91,02	110	240	240	Postignuto
4.487.604	4.247.604	90,462	91,146	110	240	240	Postignuto
4.477.604	4.237.604	90,514	91,229	110	240	240	Postignuto
4.467.604	4.227.604	90,568	91,361	110	240	240	Postignuto
4.457.604	4.217.604	90,62	91,464	110	240	240	Postignuto
4.447.604	4.207.604	90,673	91,517	110	240	240	Postignuto
4.427.611	4.187.603	90,783	91,625	110	240	240,007	Postignuto
4.407.607	4.167.605	90,893	91,732	110	240	240,002	Postignuto
4.397.604	4.157.601	90,95	91,786	110	240	240,004	Postignuto
4.387.607	4.147.604	91,005	91,84	110	240	240,003	Postignuto
4.357.606	4.117.596	91,171	92,002	110	240	240,01	Postignuto
4.347.604	4.107.605	91,227	92,055	110	240	240	Postignuto
4.327.607	4.087.604	91,337	92,163	110	240	240,003	Postignuto
4.297.604	4.057.597	91,504	92,324	110	240	240,007	Postignuto
4.287.603	4.047.603	91,558	92,378	110	240	240	Postignuto
4.277.605	4.037.604	91,615	92,431	110	240	240,002	Postignuto
4.267.603	4.027.604	91,67	92,484	110	240	239,999	Postignuto
4.257.604	4.017.604	91,79	92,537	110	240	240	Postignuto
4.247.604	4.007.604	91,916	92,589	110	240	240	Postignuto
4.237.604	3.997.604	91,999	92,642	110	240	240	Postignuto
4.227.604	3.987.604	92,131	92,695	110	240	240	Postignuto
4.217.604	3.977.604	92,234	92,747	110	240	240	Postignuto
4.207.604	3.967.604	92,287	92,801	110	240	240	Postignuto
4.197.606	3.957.604	92,341	92,853	110	240	240,002	Postignuto
4.187.603	3.947.604	92,395	92,906	110	240	239,999	Postignuto
4.177.609	3.937.604	92,449	92,959	110	240	240,005	Postignuto
4.167.605	3.927.604	92,502	93,011	110	240	240,001	Postignuto
4.147.604	3.907.604	92,61	93,116	110	240	240	Postignuto
4.137.609	3.897.604	92,663	93,169	110	240	240,005	Postignuto
4.107.605	3.867.604	92,825	93,328	110	240	240,001	Postignuto
4.097.604	3.857.604	92,879	93,38	110	240	240	Postignuto
4.087.604	3.847.604	92,933	93,433	110	240	240	Postignuto
4.077.616	3.837.604	92,986	93,486	110	240	240,012	Postignuto
4.067.607	3.827.604	93,04	93,539	110	240	240,003	Postignuto
4.047.603	3.807.604	93,148	93,644	110	240	239,999	Postignuto
4.037.604	3.797.604	93,201	93,697	110	240	240	Postignuto
4.027.604	3.787.604	93,254	93,749	110	240	240	Postignuto
4.017.604	3.777.604	93,307	93,803	110	240	240	Postignuto

4.007.604	3.767.604	93,359	93,855	110	240	240	Postignuto
3.997.604	3.757.604	93,412	93,908	110	240	240	Postignuto
3.987.604	3.747.604	93,465	93,961	110	240	240	Postignuto
3.977.604	3.737.604	93,517	94,013	110	240	240	Postignuto
3.967.604	3.727.604	93,571	94,066	110	240	240	Postignuto
3.957.604	3.717.604	93,623	94,119	110	240	240	Postignuto
3.947.604	3.707.604	93,676	94,172	110	240	240	Postignuto
3.937.604	3.697.604	93,729	94,224	110	240	240	Postignuto
3.927.604	3.687.604	93,781	94,277	110	240	240	Postignuto
3.917.604	3.677.604	93,834	94,33	110	240	240	Postignuto
3.907.604	3.667.604	93,886	94,382	110	240	240	Postignuto
3.897.604	3.657.604	93,939	94,435	110	240	240	Postignuto
3.887.604	3.647.604	93,992	94,488	110	240	240	Postignuto
3.877.604	3.637.604	94,045	94,541	110	240	240	Postignuto
3.867.604	3.627.604	94,098	94,594	110	240	240	Postignuto
3.857.604	3.617.604	94,15	94,646	110	240	240	Postignuto
3.847.604	3.607.604	94,203	94,699	110	240	240	Postignuto
3.837.604	3.597.604	94,256	94,751	110	240	240	Postignuto
3.827.604	3.587.604	94,309	94,805	110	240	240	Postignuto
3.817.604	3.577.604	94,362	94,857	110	240	240	Postignuto
3.807.604	3.567.604	94,414	94,91	110	240	240	Postignuto
3.797.604	3.557.604	94,467	94,963	110	240	240	Postignuto
3.787.604	3.547.604	94,519	95,015	110	240	240	Postignuto
3.777.604	3.537.604	94,573	95,068	110	240	240	Postignuto
3.767.604	3.527.604	94,625	95,121	110	240	240	Postignuto
3.757.604	3.517.604	94,678	95,174	110	240	240	Postignuto
3.747.604	3.507.604	94,731	95,226	110	240	240	Postignuto
3.737.604	3.497.604	94,783	95,279	110	240	240	Postignuto
3.727.604	3.487.604	94,836	95,332	110	240	240	Postignuto
3.717.604	3.477.604	94,889	95,384	110	240	240	Postignuto
3.707.604	3.467.604	94,942	95,438	110	240	240	Postignuto
3.697.604	3.457.604	94,994	95,49	110	240	240	Postignuto
3.687.604	3.447.604	95,047	95,543	110	240	240	Postignuto
3.677.604	3.437.604	95,1	95,596	110	240	240	Postignuto
3.667.604	3.427.604	95,152	95,648	110	240	240	Postignuto
3.657.604	3.417.604	95,205	95,701	110	240	240	Postignuto
3.647.604	3.407.604	95,258	95,753	110	240	240	Postignuto
3.637.604	3.397.604	95,311	95,803	110	240	240	Postignuto
3.627.604	3.387.604	95,364	95,847	110	240	240	Postignuto
3.617.604	3.377.604	95,416	95,886	110	240	240	Postignuto
3.607.604	3.367.604	95,469	95,921	110	240	240	Postignuto
3.597.604	3.357.604	95,521	95,951	110	240	240	Postignuto
3.587.604	3.347.604	95,575	95,976	110	240	240	Postignuto
3.577.604	3.337.604	95,627	95,995	110	240	240	Postignuto
3.567.604	3.327.604	95,68	96,009	110	240	240	Postignuto
3.557.604	3.317.604	95,733	96,019	110	240	240	Postignuto
3.547.604	3.307.604	95,785	96,023	110	240	240	Postignuto
3.537.604	3.297.604	95,838	96,023	110	240	240	Postignuto
3.527.604	3.287.604	95,891	96,018	110	240	240	Postignuto
3.517.604	3.277.604	95,944	96,007	110	240	240	Postignuto
3.507.604	3.267.604	95,996	95,992	110	240	240	Postignuto
3.497.604	3.257.604	96,049	95,971	110	240	240	Postignuto
3.487.604	3.247.604	96,102	95,946	110	240	240	Postignuto
3.477.604	3.237.604	96,154	95,916	110	240	240	Postignuto
3.467.604	3.227.604	96,208	95,88	110	240	240	Postignuto
3.457.604	3.217.604	96,26	95,841	110	240	240	Postignuto
3.447.604	3.207.604	96,313	95,794	110	240	240	Postignuto
3.437.604	3.197.604	96,366	95,745	110	240	240	Postignuto
3.427.604	3.187.604	96,418	95,69	110	240	240	Postignuto
3.417.604	3.177.604	96,471	95,634	110	240	240	Postignuto
3.407.604	3.167.604	96,523	95,578	110	240	240	Postignuto
3.397.604	3.157.604	96,573	95,522	110	240	240	Postignuto
3.387.604	3.147.604	96,617	95,465	110	240	240	Postignuto
3.377.604	3.137.604	96,656	95,409	110	240	240	Postignuto
3.367.604	3.127.604	96,691	95,353	110	240	240	Postignuto
3.357.604	3.117.604	96,721	95,297	110	240	240	Postignuto
3.347.604	3.107.604	96,746	95,241	110	240	240	Postignuto
3.337.604	3.097.604	96,765	95,184	110	240	240	Postignuto
3.327.604	3.087.604	96,779	95,128	110	240	240	Postignuto
3.317.604	3.077.604	96,789	95,072	110	240	240	Postignuto
3.307.604	3.067.604	96,793	95,016	110	240	240	Postignuto
3.297.604	3.057.604	96,793	94,959	110	240	240	Postignuto
3.287.604	3.047.604	96,788	94,903	110	240	240	Postignuto
3.277.604	3.037.604	96,777	94,847	110	240	240	Postignuto
3.267.604	3.027.604	96,762	94,791	110	240	240	Postignuto
3.257.604	3.017.604	96,741	94,735	110	240	240	Postignuto
3.247.604	3.007.604	96,716	94,678	110	240	240	Postignuto
3.237.604	2.997.604	96,686	94,622	110	240	240	Postignuto
3.227.604	2.987.604	96,65	94,566	110	240	240	Postignuto
3.217.604	2.977.604	96,611	94,51	110	240	240	Postignuto
3.207.604	2.967.604	96,564	94,454	110	240	240	Postignuto
3.197.604	2.957.604	96,515	94,397	110	240	240	Postignuto
3.187.604	2.947.604	96,46	94,341	110	240	240	Postignuto
3.177.604	2.937.604	96,404	94,285	110	240	240	Postignuto
3.167.604	2.927.604	96,348	94,229	110	240	240	Postignuto
3.157.604	2.917.604	96,292	94,173	110	240	240	Postignuto
3.147.604	2.907.604	96,235	94,117	110	240	240	Postignuto
3.137.604	2.897.604	96,179	94,06	110	240	240	Postignuto
3.127.604	2.887.604	96,123	94,004	110	240	240	Postignuto

3.117.604	2.877.604	96.067	93,948	110	240	240	Postignuto
3.107.604	2.867.604	96.011	93,892	110	240	240	Postignuto
3.097.604	2.857.604	95,954	93,836	110	240	240	Postignuto
3.087.604	2.847.604	95,898	93,78	110	240	240	Postignuto
3.077.604	2.837.604	95,842	93,723	110	240	240	Postignuto
3.067.604	2.827.604	95,786	93,667	110	240	240	Postignuto
3.057.604	2.817.604	95,729	93,611	110	240	240	Postignuto
3.047.604	2.807.604	95,673	93,555	110	240	240	Postignuto
3.037.604	2.797.604	95,617	93,499	110	240	240	Postignuto
3.027.604	2.787.604	95,561	93,442	110	240	240	Postignuto
3.017.604	2.777.604	95,505	93,387	110	240	240	Postignuto
3.007.604	2.767.604	95,448	93,33	110	240	240	Postignuto
2.997.604	2.757.604	95,392	93,274	110	240	240	Postignuto
2.987.604	2.747.604	95,336	93,218	110	240	240	Postignuto
2.977.604	2.737.604	95,28	93,162	110	240	240	Postignuto
2.967.604	2.727.604	95,224	93,106	110	240	240	Postignuto
2.957.604	2.717.604	95,167	93,049	110	240	240	Postignuto
2.947.604	2.707.604	95,111	92,993	110	240	240	Postignuto
2.937.604	2.697.604	95,055	92,937	110	240	240	Postignuto
2.927.604	2.687.604	94,999	92,881	110	240	240	Postignuto
2.917.604	2.677.604	94,943	92,824	110	240	240	Postignuto
2.907.604	2.667.604	94,887	92,768	110	240	240	Postignuto
2.897.604	2.657.604	94,83	92,712	110	240	240	Postignuto
2.887.604	2.647.604	94,774	92,656	110	240	240	Postignuto
2.877.604	2.637.604	94,718	92,6	110	240	240	Postignuto
2.867.604	2.627.604	94,662	92,543	110	240	240	Postignuto
2.857.604	2.617.604	94,606	92,487	110	240	240	Postignuto
2.847.604	2.607.604	94,55	92,431	110	240	240	Postignuto
2.837.604	2.597.604	94,493	92,375	110	240	240	Postignuto
2.827.604	2.587.604	94,437	92,319	110	240	240	Postignuto
2.817.604	2.577.604	94,381	92,262	110	240	240	Postignuto
2.807.604	2.567.604	94,325	92,207	110	240	240	Postignuto
2.797.604	2.557.604	94,269	92,15	110	240	240	Postignuto
2.787.604	2.547.604	94,212	92,094	110	240	240	Postignuto
2.777.604	2.537.604	94,157	92,038	110	240	240	Postignuto
2.767.604	2.527.604	94,1	91,981	110	240	240	Postignuto
2.757.604	2.517.604	94,044	91,926	110	240	240	Postignuto
2.747.604	2.507.604	93,988	91,869	110	240	240	Postignuto
2.737.604	2.497.604	93,932	91,813	110	240	240	Postignuto
2.727.604	2.487.604	93,876	91,757	110	240	240	Postignuto
2.717.604	2.477.604	93,819	91,701	110	240	240	Postignuto
2.707.604	2.467.604	93,763	91,645	110	240	240	Postignuto
2.697.604	2.457.604	93,707	91,588	110	240	240	Postignuto
2.687.604	2.447.604	93,651	91,532	110	240	240	Postignuto
2.677.604	2.437.604	93,594	91,476	110	240	240	Postignuto
2.667.604	2.427.604	93,538	91,42	110	240	240	Postignuto
2.657.604	2.417.604	93,482	91,364	110	240	240	Postignuto
2.647.604	2.407.604	93,426	91,307	110	240	240	Postignuto
2.637.604	2.397.604	93,37	91,251	110	240	240	Postignuto
2.627.604	2.387.604	93,313	91,195	110	240	240	Postignuto
2.617.604	2.377.604	93,257	91,139	110	240	240	Postignuto
2.607.604	2.367.604	93,201	91,082	110	240	240	Postignuto
2.597.604	2.357.604	93,145	91,026	110	240	240	Postignuto
2.587.604	2.347.604	93,089	90,97	110	240	240	Postignuto
2.577.604	2.337.604	93,032	90,914	110	240	240	Postignuto
2.567.604	2.327.604	92,977	90,858	110	240	240	Postignuto
2.557.604	2.317.604	92,92	90,801	110	240	240	Postignuto
2.547.604	2.307.604	92,864	90,746	110	240	240	Postignuto
2.537.604	2.297.604	92,808	90,689	110	240	240	Postignuto
2.527.604	2.287.604	92,751	90,633	110	240	240	Postignuto
2.517.604	2.277.604	92,696	90,577	110	240	240	Postignuto
2.507.604	2.267.604	92,639	90,52	110	240	240	Postignuto
2.497.604	2.257.604	92,583	90,463	110	240	240	Postignuto
2.477.604	2.237.600	92,471	90,348	110	240	240,004	Postignuto
2.457.604	2.217.598	92,358	90,234	110	240	240,005	Postignuto
2.447.604	2.207.604	92,302	90,177	110	240	240	Postignuto
2.417.604	2.177.600	92,134	90,005	110	240	240,004	Postignuto
2.407.604	2.167.595	92,077	89,948	110	240	240,009	Postignuto
2.397.604	2.157.603	92,021	89,891	110	240	240	Postignuto
2.377.604	2.137.602	91,909	89,776	110	240	240,002	Postignuto
2.357.604	2.117.604	91,796	89,662	110	240	240	Postignuto
2.347.604	2.107.601	91,74	89,604	110	240	240,002	Postignuto
2.337.604	2.097.604	91,684	89,548	110	240	240	Postignuto
2.327.604	2.087.604	91,628	89,458	110	240	239,999	Postignuto
2.317.604	2.077.604	91,571	89,322	110	240	240	Postignuto
2.307.604	2.067.603	91,516	89,228	110	240	240,001	Postignuto
2.297.604	2.057.604	91,459	89,099	110	240	240	Postignuto
2.287.604	2.047.604	91,403	88,996	110	240	240	Postignuto
2.277.604	2.037.602	91,347	88,909	110	240	240,002	Postignuto
2.267.604	2.027.604	91,29	88,85	110	240	240	Postignuto
2.247.609	2.007.604	91,176	88,734	110	240	240,005	Postignuto
2.227.607	1.987.600	91,061	88,617	110	240	240,007	Postignuto
2.197.613	1.957.604	90,89	88,442	110	240	240,009	Postignuto
2.187.606	1.947.603	90,832	88,385	110	240	240,004	Postignuto
2.177.600	1.937.599	90,775	88,326	110	240	240,002	Postignuto
2.147.606	1.907.605	90,604	88,151	110	240	240,002	Postignuto
2.137.602	1.897.602	90,546	88,093	110	240	240	Postignuto
2.127.607	1.887.595	90,489	88,035	110	240	240,012	Postignuto
2.097.604	1.857.604	90,318	87,863	110	240	240	Postignuto

2.087.604	1.847.604	90,228	87,807	110	240	240,001	Postignuto
2.077.604	1.837.604	90,092	87,75	110	240	240	Postignuto
2.067.603	1.827.604	89,998	87,695	110	240	239,999	Postignuto
2.057.604	1.817.604	89,869	87,638	110	240	240	Postignuto
2.047.604	1.807.604	89,766	87,582	110	240	240	Postignuto
2.027.604	1.787.604	89,62	87,469	110	240	240	Postignuto
2.017.607	1.777.604	89,562	87,414	110	240	240,003	Postignuto
2.007.604	1.767.604	89,504	87,357	110	240	240	Postignuto
1.997.603	1.757.604	89,446	87,301	110	240	239,999	Postignuto
1.977.605	1.737.604	89,329	87,188	110	240	240,001	Postignuto
1.967.610	1.727.604	89,271	87,133	110	240	240,006	Postignuto
1.957.604	1.717.604	89,212	87,076	110	240	240	Postignuto
1.927.606	1.687.604	89,037	86,907	110	240	240,003	Postignuto
1.917.605	1.677.604	88,98	86,852	110	240	240,001	Postignuto
1.907.605	1.667.604	88,921	86,795	110	240	240,001	Postignuto
1.877.606	1.637.604	88,746	86,626	110	240	240,002	Postignuto
1.867.617	1.627.604	88,689	86,571	110	240	240,013	Postignuto
1.857.604	1.617.604	88,633	86,514	110	240	240	Postignuto
1.847.604	1.607.604	88,577	86,458	110	240	240	Postignuto
1.837.604	1.597.604	88,52	86,402	110	240	240	Postignuto
1.827.604	1.587.604	88,465	86,345	110	240	240	Postignuto
1.817.604	1.577.604	88,408	86,29	110	240	240	Postignuto
1.807.604	1.567.604	88,352	86,233	110	240	240	Postignuto
1.797.604	1.557.604	88,296	86,177	110	240	240	Postignuto
1.787.604	1.547.604	88,239	86,121	110	240	240	Postignuto
1.777.604	1.537.604	88,184	86,064	110	240	240	Postignuto
1.767.604	1.527.604	88,127	86,009	110	240	240	Postignuto
1.757.604	1.517.604	88,071	85,953	110	240	240	Postignuto
1.747.604	1.507.604	88,015	85,896	110	240	240	Postignuto
1.737.604	1.497.604	87,958	85,84	110	240	240	Postignuto
1.727.604	1.487.604	87,903	85,784	110	240	240	Postignuto
1.717.604	1.477.604	87,846	85,728	110	240	240	Postignuto
1.707.604	1.467.604	87,79	85,671	110	240	240	Postignuto
1.697.604	1.457.604	87,734	85,615	110	240	240	Postignuto
1.687.604	1.447.604	87,677	85,559	110	240	240	Postignuto
1.677.604	1.437.604	87,622	85,503	110	240	240	Postignuto
1.667.604	1.427.604	87,565	85,447	110	240	240	Postignuto
1.657.604	1.417.604	87,509	85,391	110	240	240	Postignuto
1.647.604	1.407.604	87,453	85,334	110	240	240	Postignuto
1.637.604	1.397.604	87,396	85,278	110	240	240	Postignuto
1.627.604	1.387.604	87,341	85,222	110	240	240	Postignuto
1.617.604	1.377.604	87,284	85,166	110	240	240	Postignuto
1.607.604	1.367.604	87,228	85,11	110	240	240	Postignuto
1.597.604	1.357.604	87,172	85,053	110	240	240	Postignuto
1.587.604	1.347.604	87,115	84,997	110	240	240	Postignuto
1.577.604	1.337.604	87,06	84,941	110	240	240	Postignuto
1.567.604	1.327.604	87,003	84,885	110	240	240	Postignuto
1.557.604	1.317.604	86,947	84,829	110	240	240	Postignuto
1.547.604	1.307.604	86,891	84,772	110	240	240	Postignuto
1.537.604	1.297.604	86,834	84,716	110	240	240	Postignuto
1.527.604	1.287.604	86,779	84,66	110	240	240	Postignuto
1.517.604	1.277.604	86,723	84,604	110	240	240	Postignuto
1.507.604	1.267.604	86,666	84,548	110	240	240	Postignuto
1.497.604	1.257.604	86,61	84,491	110	240	240	Postignuto
1.487.604	1.247.604	86,554	84,435	110	240	240	Postignuto
1.477.604	1.237.604	86,498	84,379	110	240	240	Postignuto
1.467.604	1.227.604	86,441	84,323	110	240	240	Postignuto
1.457.604	1.217.604	86,385	84,267	110	240	240	Postignuto
1.447.604	1.207.604	86,329	84,21	110	240	240	Postignuto
1.437.604	1.197.604	86,273	84,154	110	240	240	Postignuto
1.427.604	1.187.604	86,217	84,098	110	240	240	Postignuto
1.417.604	1.177.604	86,161	84,042	110	240	240	Postignuto
1.407.604	1.167.604	86,104	83,986	110	240	240	Postignuto
1.397.604	1.157.604	86,048	83,929	110	240	240	Postignuto
1.387.604	1.147.604	85,992	83,873	110	240	240	Postignuto
1.377.604	1.137.604	85,936	83,817	110	240	240	Postignuto
1.367.604	1.127.604	85,88	83,761	110	240	240	Postignuto
1.357.604	1.117.604	85,823	83,705	110	240	240	Postignuto
1.347.604	1.107.604	85,767	83,648	110	240	240	Postignuto
1.337.604	1.097.604	85,711	83,592	110	240	240	Postignuto
1.327.604	1.087.604	85,655	83,536	110	240	240	Postignuto
1.317.604	1.077.604	85,599	83,48	110	240	240	Postignuto
1.307.604	1.067.604	85,542	83,424	110	240	240	Postignuto
1.297.604	1.057.604	85,486	83,367	110	240	240	Postignuto
1.287.604	1.047.604	85,43	83,311	110	240	240	Postignuto
1.277.604	1.037.604	85,374	83,255	110	240	240	Postignuto
1.267.604	1.027.604	85,318	83,199	110	240	240	Postignuto
1.257.604	1.017.604	85,261	83,143	110	240	240	Postignuto
1.247.604	1.007.604	85,205	83,087	110	240	240	Postignuto
1.237.604	997.604	85,149	83,03	110	240	240	Postignuto
1.227.604	987.604	85,093	82,974	110	240	240	Postignuto
1.217.604	977.604	85,037	82,918	110	240	240	Postignuto
1.207.604	967.604	84,98	82,862	110	240	240	Postignuto
1.197.604	957.604	84,924	82,806	110	240	240	Postignuto
1.187.604	947.604	84,868	82,749	110	240	240	Postignuto
1.177.604	937.604	84,812	82,694	110	240	240	Postignuto
1.167.604	927.604	84,756	82,637	110	240	240	Postignuto
1.157.604	917.604	84,699	82,581	110	240	240	Postignuto
1.147.604	907.604	84,643	82,525	110	240	240	Postignuto

1.137.604	897.604	84,587	82,468	110	240	240	Postignuto
1.127.604	887.600	84,531	82,413	110	240	240,004	Postignuto
1.107.604	867.598	84,418	82,304	110	240	240,006	Postignuto
1.087.604	847.605	84,306	82,196	110	240	239,999	Postignuto
1.077.604	837.599	84,25	82,141	110	240	240,005	Postignuto
1.057.604	817.600	84,137	82,032	110	240	240,004	Postignuto
1.037.604	797.605	84,025	81,924	110	240	239,999	Postignuto
1.027.604	787.603	83,969	81,869	110	240	240,001	Postignuto
1.007.604	767.601	83,857	81,76	110	240	240,002	Postignuto
987.604	747.604	83,744	81,652	110	240	240	Postignuto
977.604	737.603	83,688	81,597	110	240	240	Postignuto
957.604	717.603	83,576	81,488	110	240	240,001	Postignuto
947.604	707.604	83,519	81,434	110	240	240	Postignuto
937.604	697.604	83,464	81,38	110	240	240	Postignuto
927.604	687.604	83,407	81,324	110	240	240	Postignuto
917.604	677.604	83,351	81,268	110	240	240	Postignuto
907.604	667.604	83,295	81,212	110	240	240	Postignuto
897.604	657.604	83,238	81,156	110	240	240	Postignuto
877.611	637.604	83,129	81,043	110	240	240,007	Postignuto
857.607	617.604	83,02	80,931	110	240	240,004	Postignuto
847.605	607.604	82,966	80,875	110	240	240,001	Postignuto
827.607	587.604	82,857	80,777	110	240	240,003	Postignuto
807.606	567.604	82,748	80,691	110	240	240,002	Postignuto
797.605	557.604	82,694	80,649	110	240	240,001	Postignuto
777.608	537.604	82,585	80,597	110	240	240,004	Postignuto
757.605	517.604	82,476	80,567	110	240	240,001	Postignuto
747.604	507.604	82,422	80,551	110	240	240	Postignuto
737.603	497.604	82,367	80,542	110	240	240	Postignuto
727.605	487.604	82,313	80,555	110	240	240,002	Postignuto
717.603	477.604	82,258	80,567	110	240	239,999	Postignuto
707.604	467.604	82,204	80,58	110	240	240	Postignuto
697.604	457.604	82,15	80,592	110	240	240	Postignuto
687.604	447.604	82,094	80,611	110	240	240	Postignuto
677.604	437.604	82,038	80,651	110	240	240	Postignuto
667.604	427.604	81,982	80,692	110	240	240	Postignuto
657.604	417.604	81,926	80,732	110	240	240	Postignuto
647.604	407.604	81,869	80,772	110	240	240	Postignuto
637.604	397.604	81,813	80,817	110	240	240	Postignuto
627.604	387.604	81,757	80,877	110	240	240	Postignuto
617.604	377.604	81,701	80,938	110	240	240	Postignuto
607.604	367.604	81,645	81,004	110	240	240	Postignuto
597.604	357.604	81,59	81,071	110	240	240	Postignuto
587.604	347.604	81,547	81,138	110	240	240	Postignuto
577.604	337.604	81,504	81,205	110	240	240	Postignuto
567.604	327.604	81,461	81,272	110	240	240	Postignuto
557.604	317.604	81,419	81,338	110	240	240	Postignuto
547.604	307.604	81,383	81,405	110	240	240	Postignuto
537.604	297.604	81,367	81,472	110	240	240	Postignuto
527.604	287.604	81,352	81,539	110	240	240	Postignuto
517.604	277.604	81,337	81,605	110	240	240	Postignuto
507.604	267.604	81,321	81,672	110	240	240	Postignuto
497.604	257.604	81,312	81,739	110	240	240	Postignuto
487.604	247.604	81,325	81,806	110	240	240	Postignuto
477.604	237.604	81,337	81,873	110	240	240	Postignuto
467.604	227.604	81,35	81,939	110	240	240	Postignuto
457.604	217.604	81,362	82,006	110	240	240	Postignuto
447.604	207.604	81,381	82,073	110	240	240	Postignuto
437.604	197.604	81,421	82,14	110	240	240	Postignuto
427.604	187.604	81,462	82,206	110	240	240	Postignuto
417.604	177.604	81,502	82,273	110	240	240	Postignuto
407.604	167.604	81,542	82,34	110	240	240	Postignuto
397.604	157.604	81,587	82,407	110	240	240	Postignuto
387.604	147.604	81,647	82,474	110	240	240	Postignuto
377.604	137.604	81,708	82,54	110	240	240	Postignuto
367.604	127.604	81,774	82,607	110	240	240	Postignuto
357.604	117.604	81,841	82,674	110	240	240	Postignuto
347.604	107.604	81,908	82,741	110	240	240	Postignuto
337.604	97.604	81,975	82,808	110	240	240	Postignuto
327.604	87.604	82,042	82,874	110	240	240	Postignuto
317.604	77.604	82,108	82,941	110	240	240	Postignuto
307.604	67.604	82,175	83,008	110	240	240	Postignuto
297.604	57.604	82,242	83,075	110	240	240	Postignuto
287.604	47.604	82,309	83,141	110	240	240	Postignuto
277.604	37.604	82,375	83,208	110	240	240	Postignuto
267.604	27.604	82,442	83,275	110	240	240	Postignuto
257.604	17.604	82,509	83,342	110	240	240	Postignuto
247.604	7.604	82,576	83,409	110	240	240	Postignuto

Stacionaža oka	Stacionaža objekta	Nadmorska visina oka	Nadmorska visina objekta	Projektna brzina	Potrebna zaustavna preglednost	Postignuta zaustavna preglednost	Status
0.000	240.000	84,229	81,857	110	240	240	Postignuto
10.000	250.000	84,163	81,79	110	240	240	Postignuto
20.000	260.000	84,096	81,723	110	240	240	Postignuto
30.000	270.000	84,029	81,656	110	240	240	Postignuto
40.000	280.000	83,962	81,589	110	240	240	Postignuto
50.000	290.000	83,895	81,523	110	240	240	Postignuto
60.000	300.000	83,829	81,456	110	240	240	Postignuto
70.000	310.000	83,762	81,389	110	240	240	Postignuto
80.000	320.000	83,695	81,322	110	240	240	Postignuto
90.000	330.000	83,628	81,256	110	240	240	Postignuto
100.000	340.000	83,562	81,189	110	240	240	Postignuto
110.000	350.000	83,495	81,122	110	240	240	Postignuto
120.000	360.000	83,428	81,055	110	240	240	Postignuto
130.000	370.000	83,361	80,988	110	240	240	Postignuto
140.000	380.000	83,294	80,923	110	240	240	Postignuto
150.000	390.000	83,228	80,863	110	240	240	Postignuto
160.000	400.000	83,161	80,803	110	240	240	Postignuto
170.000	410.000	83,094	80,762	110	240	240	Postignuto
180.000	420.000	83,027	80,722	110	240	240	Postignuto
190.000	430.000	82,96	80,682	110	240	240	Postignuto
200.000	440.000	82,894	80,642	110	240	240	Postignuto
210.000	450.000	82,827	80,602	110	240	240	Postignuto
220.000	460.000	82,76	80,589	110	240	240	Postignuto
230.000	470.000	82,693	80,577	110	240	240	Postignuto
240.000	480.000	82,627	80,564	110	240	240	Postignuto
250.000	490.000	82,56	80,552	110	240	240	Postignuto
260.000	500.000	82,493	80,539	110	240	240	Postignuto
270.000	510.000	82,426	80,555	110	240	240	Postignuto
280.000	520.000	82,359	80,57	110	240	240	Postignuto
290.000	530.000	82,293	80,586	110	240	240	Postignuto
300.000	540.000	82,226	80,601	110	240	240	Postignuto
310.000	550.000	82,159	80,616	110	240	240	Postignuto
320.000	560.000	82,092	80,659	110	240	240	Postignuto
330.000	570.000	82,026	80,702	110	240	240	Postignuto
340.000	580.000	81,959	80,744	110	240	240	Postignuto
350.000	590.000	81,892	80,787	110	240	240	Postignuto
360.000	600.000	81,825	80,832	110	240	240	Postignuto
370.000	610.000	81,758	80,888	110	240	240	Postignuto
380.000	620.000	81,693	80,944	110	240	240	Postignuto
390.000	630.000	81,633	81	110	240	240	Postignuto
400.000	640.000	81,573	81,057	110	240	240	Postignuto
410.000	650.000	81,532	81,113	110	240	240	Postignuto
420.000	660.000	81,492	81,169	110	240	240	Postignuto
430.000	670.000	81,452	81,225	110	240	240	Postignuto
440.000	680.000	81,412	81,281	110	240	240	Postignuto
450.000	690.000	81,372	81,338	110	240	240	Postignuto
460.000	699.999	81,359	81,41	110	240	239,999	Postignuto
470.000	710.000	81,347	81,501	110	240	240	Postignuto
480.000	720.001	81,334	81,638	110	240	240,001	Postignuto
500.000	740.001	81,309	81,86	110	240	240,001	Postignuto
520.000	759.999	81,34	82,033	110	240	239,999	Postignuto
530.000	770.003	81,356	82,092	110	240	240,003	Postignuto
550.000	790.003	81,386	82,209	110	240	240,003	Postignuto
570.000	809.999	81,472	82,326	110	240	239,999	Postignuto
580.000	820.006	81,514	82,385	110	240	240,006	Postignuto
590.000	829.999	81,557	82,443	110	240	239,999	Postignuto
600.000	840.007	81,602	82,503	110	240	240,007	Postignuto
610.000	850.001	81,658	82,561	110	240	240,001	Postignuto
630.000	870.009	81,77	82,678	110	240	240,009	Postignuto
650.000	890.007	81,883	82,795	110	240	240,007	Postignuto
660.000	900.000	81,939	82,854	110	240	240	Postignuto
670.000	910.000	81,995	82,91	110	240	240	Postignuto
680.000	920.000	82,051	82,967	110	240	240	Postignuto
690.000	930.000	82,108	83,022	110	240	240	Postignuto
699.999	940.000	82,18	83,079	110	240	240,001	Postignuto
710.000	950.000	82,271	83,135	110	240	240	Postignuto
720.001	960.000	82,408	83,191	110	240	239,999	Postignuto
729.999	970.000	82,494	83,248	110	240	240,001	Postignuto
749.996	990.000	82,745	83,36	110	240	240,004	Postignuto
759.999	1.000.000	82,803	83,416	110	240	240,001	Postignuto
779.997	1.020.000	82,92	83,529	110	240	240,003	Postignuto
799.993	1.040.000	83,038	83,641	110	240	240,007	Postignuto
809.999	1.050.000	83,096	83,696	110	240	240,001	Postignuto
829.999	1.070.000	83,213	83,809	110	240	240,001	Postignuto
859.999	1.100.000	83,389	83,977	110	240	240,001	Postignuto
879.996	1.120.000	83,506	84,09	110	240	240,004	Postignuto
900.000	1.140.000	83,624	84,203	110	240	240	Postignuto
910.000	1.150.000	83,68	84,258	110	240	240	Postignuto
920.000	1.160.000	83,737	84,315	110	240	240	Postignuto
930.000	1.170.000	83,792	84,371	110	240	240	Postignuto
940.000	1.180.000	83,849	84,427	110	240	240	Postignuto
950.000	1.190.000	83,905	84,483	110	240	240	Postignuto
960.000	1.200.000	83,961	84,539	110	240	240	Postignuto
970.000	1.210.000	84,018	84,596	110	240	240	Postignuto
980.000	1.220.000	84,073	84,652	110	240	240	Postignuto
990.000	1.230.000	84,13	84,708	110	240	240	Postignuto

1.000.000	1.240.000	84,186	84,764	110	240	240	Postignuto
1.010.000	1.250.000	84,242	84,82	110	240	240	Postignuto
1.020.000	1.260.000	84,299	84,877	110	240	240	Postignuto
1.030.000	1.270.000	84,354	84,933	110	240	240	Postignuto
1.040.000	1.280.000	84,411	84,989	110	240	240	Postignuto
1.050.000	1.290.000	84,466	85,045	110	240	240	Postignuto
1.060.000	1.300.000	84,523	85,101	110	240	240	Postignuto
1.070.000	1.310.000	84,579	85,158	110	240	240	Postignuto
1.080.000	1.320.000	84,635	85,214	110	240	240	Postignuto
1.090.000	1.330.000	84,692	85,27	110	240	240	Postignuto
1.100.000	1.340.000	84,747	85,326	110	240	240	Postignuto
1.110.000	1.350.000	84,804	85,382	110	240	240	Postignuto
1.120.000	1.360.000	84,86	85,439	110	240	240	Postignuto
1.130.000	1.370.000	84,916	85,495	110	240	240	Postignuto
1.140.000	1.380.000	84,973	85,551	110	240	240	Postignuto
1.150.000	1.390.000	85,028	85,607	110	240	240	Postignuto
1.160.000	1.400.000	85,085	85,663	110	240	240	Postignuto
1.170.000	1.410.000	85,141	85,72	110	240	240	Postignuto
1.180.000	1.420.000	85,197	85,776	110	240	240	Postignuto
1.190.000	1.430.000	85,253	85,832	110	240	240	Postignuto
1.200.000	1.440.000	85,309	85,888	110	240	240	Postignuto
1.210.000	1.450.000	85,366	85,944	110	240	240	Postignuto
1.220.000	1.460.000	85,422	86,001	110	240	240	Postignuto
1.230.000	1.470.000	85,478	86,057	110	240	240	Postignuto
1.240.000	1.480.000	85,534	86,113	110	240	240	Postignuto
1.250.000	1.490.000	85,59	86,169	110	240	240	Postignuto
1.260.000	1.500.000	85,647	86,225	110	240	240	Postignuto
1.270.000	1.510.000	85,703	86,282	110	240	240	Postignuto
1.280.000	1.520.000	85,759	86,338	110	240	240	Postignuto
1.290.000	1.530.000	85,815	86,394	110	240	240	Postignuto
1.300.000	1.540.000	85,871	86,45	110	240	240	Postignuto
1.310.000	1.550.000	85,928	86,506	110	240	240	Postignuto
1.320.000	1.560.000	85,984	86,563	110	240	240	Postignuto
1.330.000	1.570.000	86,04	86,619	110	240	240	Postignuto
1.340.000	1.580.000	86,096	86,675	110	240	240	Postignuto
1.350.000	1.590.000	86,152	86,731	110	240	240	Postignuto
1.360.000	1.600.000	86,209	86,787	110	240	240	Postignuto
1.370.000	1.610.000	86,265	86,844	110	240	240	Postignuto
1.380.000	1.620.000	86,321	86,899	110	240	240	Postignuto
1.390.000	1.630.000	86,377	86,956	110	240	240	Postignuto
1.400.000	1.640.000	86,433	87,012	110	240	240	Postignuto
1.410.000	1.650.000	86,49	87,068	110	240	240	Postignuto
1.420.000	1.660.000	86,546	87,125	110	240	240	Postignuto
1.430.000	1.670.000	86,602	87,18	110	240	240	Postignuto
1.440.000	1.680.000	86,658	87,237	110	240	240	Postignuto
1.450.000	1.690.000	86,714	87,293	110	240	240	Postignuto
1.460.000	1.700.000	86,771	87,349	110	240	240	Postignuto
1.470.000	1.710.000	86,827	87,406	110	240	240	Postignuto
1.480.000	1.720.000	86,883	87,461	110	240	240	Postignuto
1.490.000	1.730.000	86,939	87,518	110	240	240	Postignuto
1.500.000	1.740.000	86,995	87,574	110	240	240	Postignuto
1.510.000	1.750.000	87,052	87,63	110	240	240	Postignuto
1.520.000	1.760.000	87,108	87,687	110	240	240	Postignuto
1.530.000	1.770.000	87,164	87,742	110	240	240	Postignuto
1.540.000	1.780.000	87,22	87,799	110	240	240	Postignuto
1.550.000	1.790.000	87,276	87,855	110	240	240	Postignuto
1.560.000	1.800.000	87,333	87,911	110	240	240	Postignuto
1.570.000	1.810.000	87,389	87,968	110	240	240	Postignuto
1.580.000	1.820.000	87,445	88,024	110	240	240	Postignuto
1.590.000	1.830.000	87,501	88,08	110	240	240	Postignuto
1.600.000	1.840.000	87,557	88,136	110	240	240	Postignuto
1.610.000	1.850.000	87,614	88,192	110	240	240	Postignuto
1.620.000	1.860.000	87,669	88,248	110	240	240	Postignuto
1.640.000	1.880.001	87,782	88,357	110	240	240,001	Postignuto
1.650.000	1.890.012	87,838	88,411	110	240	240,012	Postignuto
1.660.000	1.900.004	87,895	88,466	110	240	240,004	Postignuto
1.670.000	1.910.002	87,95	88,519	110	240	240,002	Postignuto
1.690.000	1.929.999	88,063	88,628	110	240	239,999	Postignuto
1.700.000	1.940.007	88,119	88,682	110	240	240,007	Postignuto
1.710.000	1.950.003	88,176	88,737	110	240	240,003	Postignuto
1.720.000	1.960.001	88,231	88,79	110	240	240,001	Postignuto
1.740.000	1.980.001	88,344	88,898	110	240	240,001	Postignuto
1.750.000	1.990.005	88,4	88,953	110	240	240,005	Postignuto
1.760.000	2.000.002	88,457	89,007	110	240	240,002	Postignuto
1.770.000	2.010.001	88,512	89,061	110	240	240,001	Postignuto
1.790.000	2.030.000	88,625	89,169	110	240	240	Postignuto
1.800.000	2.040.002	88,681	89,223	110	240	240,002	Postignuto
1.810.000	2.049.999	88,738	89,23	110	240	239,999	Postignuto
1.820.000	2.060.000	88,794	89,206	110	240	240	Postignuto
1.830.000	2.070.001	88,85	89,216	110	240	240,001	Postignuto
1.840.000	2.080.000	88,906	89,192	110	240	240	Postignuto
1.850.000	2.089.999	88,962	89,204	110	240	239,999	Postignuto
1.860.000	2.099.999	89,018	89,26	110	240	239,999	Postignuto
1.869.990	2.110.002	89,073	89,314	110	240	240,012	Postignuto
1.919.991	2.159.999	89,344	89,59	110	240	240,008	Postignuto
1.929.999	2.170.008	89,398	89,646	110	240	240,009	Postignuto
1.969.995	2.209.998	89,615	89,866	110	240	240,003	Postignuto
1.980.001	2.220.004	89,668	89,921	110	240	240,003	Postignuto
2.000.002	2.240.002	89,777	90,032	110	240	240	Postignuto

2.019.998	2.259.998	89,885	90,142	110	240	240	Postignuto
2.030.000	2.270.000	89,939	90,198	110	240	240	Postignuto
2.049.999	2.290.000	90	90,311	110	240	240,001	Postignuto
2.060.000	2.300.000	89,976	90,366	110	240	240	Postignuto
2.070.001	2.310.000	89,986	90,423	110	240	239,999	Postignuto
2.080.000	2.320.000	89,962	90,479	110	240	240	Postignuto
2.089.999	2.330.000	89,974	90,535	110	240	240,001	Postignuto
2.099.999	2.340.000	90,03	90,591	110	240	240,001	Postignuto
2.119.999	2.360.000	90,139	90,704	110	240	240,001	Postignuto
2.129.996	2.370.000	90,195	90,76	110	240	240,004	Postignuto
2.140.001	2.380.000	90,25	90,816	110	240	239,999	Postignuto
2.149.997	2.390.000	90,305	90,872	110	240	240,003	Postignuto
2.159.999	2.400.000	90,36	90,928	110	240	240,001	Postignuto
2.189.996	2.430.000	90,525	91,097	110	240	240,004	Postignuto
2.199.989	2.440.000	90,581	91,153	110	240	240,011	Postignuto
2.209.998	2.450.000	90,636	91,209	110	240	240,002	Postignuto
2.229.995	2.470.000	90,746	91,322	110	240	240,005	Postignuto
2.249.992	2.490.000	90,857	91,434	110	240	240,008	Postignuto
2.259.998	2.500.000	90,912	91,49	110	240	240,002	Postignuto
2.270.000	2.510.000	90,968	91,546	110	240	240	Postignuto
2.280.000	2.520.000	91,024	91,603	110	240	240	Postignuto
2.290.000	2.530.000	91,081	91,659	110	240	240	Postignuto
2.300.000	2.540.000	91,136	91,715	110	240	240	Postignuto
2.310.000	2.550.000	91,193	91,771	110	240	240	Postignuto
2.320.000	2.560.000	91,249	91,827	110	240	240	Postignuto
2.330.000	2.570.000	91,305	91,884	110	240	240	Postignuto
2.340.000	2.580.000	91,361	91,94	110	240	240	Postignuto
2.350.000	2.590.000	91,417	91,996	110	240	240	Postignuto
2.360.000	2.600.000	91,474	92,052	110	240	240	Postignuto
2.370.000	2.610.000	91,53	92,108	110	240	240	Postignuto
2.380.000	2.620.000	91,586	92,165	110	240	240	Postignuto
2.390.000	2.630.000	91,642	92,221	110	240	240	Postignuto
2.400.000	2.640.000	91,698	92,277	110	240	240	Postignuto
2.410.000	2.650.000	91,755	92,333	110	240	240	Postignuto
2.420.000	2.660.000	91,811	92,389	110	240	240	Postignuto
2.430.000	2.670.000	91,867	92,446	110	240	240	Postignuto
2.440.000	2.680.000	91,923	92,502	110	240	240	Postignuto
2.450.000	2.690.000	91,979	92,558	110	240	240	Postignuto
2.460.000	2.700.000	92,036	92,614	110	240	240	Postignuto
2.470.000	2.710.000	92,092	92,671	110	240	240	Postignuto
2.480.000	2.720.000	92,148	92,727	110	240	240	Postignuto
2.490.000	2.730.000	92,204	92,783	110	240	240	Postignuto
2.500.000	2.740.000	92,26	92,839	110	240	240	Postignuto
2.510.000	2.750.000	92,316	92,895	110	240	240	Postignuto
2.520.000	2.760.000	92,373	92,952	110	240	240	Postignuto
2.530.000	2.770.000	92,429	93,007	110	240	240	Postignuto
2.540.000	2.780.000	92,485	93,064	110	240	240	Postignuto
2.550.000	2.790.000	92,541	93,12	110	240	240	Postignuto
2.560.000	2.800.000	92,597	93,176	110	240	240	Postignuto
2.570.000	2.810.000	92,654	93,233	110	240	240	Postignuto
2.580.000	2.820.000	92,71	93,288	110	240	240	Postignuto
2.590.000	2.830.000	92,766	93,345	110	240	240	Postignuto
2.600.000	2.840.000	92,822	93,401	110	240	240	Postignuto
2.610.000	2.850.000	92,878	93,457	110	240	240	Postignuto
2.620.000	2.860.000	92,935	93,513	110	240	240	Postignuto
2.630.000	2.870.000	92,991	93,569	110	240	240	Postignuto
2.640.000	2.880.000	93,047	93,626	110	240	240	Postignuto
2.650.000	2.890.000	93,103	93,682	110	240	240	Postignuto
2.660.000	2.900.000	93,159	93,738	110	240	240	Postignuto
2.670.000	2.910.000	93,216	93,794	110	240	240	Postignuto
2.680.000	2.920.000	93,272	93,85	110	240	240	Postignuto
2.690.000	2.930.000	93,328	93,907	110	240	240	Postignuto
2.700.000	2.940.000	93,384	93,963	110	240	240	Postignuto
2.710.000	2.950.000	93,441	94,019	110	240	240	Postignuto
2.720.000	2.960.000	93,497	94,075	110	240	240	Postignuto
2.730.000	2.970.000	93,553	94,132	110	240	240	Postignuto
2.740.000	2.980.000	93,609	94,188	110	240	240	Postignuto
2.750.000	2.990.000	93,665	94,244	110	240	240	Postignuto
2.760.000	3.000.000	93,722	94,3	110	240	240	Postignuto
2.770.000	3.010.000	93,777	94,356	110	240	240	Postignuto
2.780.000	3.020.000	93,834	94,412	110	240	240	Postignuto
2.790.000	3.030.000	93,89	94,469	110	240	240	Postignuto
2.800.000	3.040.000	93,946	94,525	110	240	240	Postignuto
2.810.000	3.050.000	94,003	94,581	110	240	240	Postignuto
2.820.000	3.060.000	94,058	94,637	110	240	240	Postignuto
2.830.000	3.070.000	94,115	94,693	110	240	240	Postignuto
2.840.000	3.080.000	94,171	94,749	110	240	240	Postignuto
2.850.000	3.090.000	94,227	94,806	110	240	240	Postignuto
2.860.000	3.100.000	94,283	94,862	110	240	240	Postignuto
2.870.000	3.110.000	94,339	94,918	110	240	240	Postignuto
2.880.000	3.120.000	94,396	94,974	110	240	240	Postignuto
2.890.000	3.130.000	94,452	95,03	110	240	240	Postignuto
2.900.000	3.140.000	94,508	95,087	110	240	240	Postignuto
2.910.000	3.150.000	94,564	95,142	110	240	240	Postignuto
2.920.000	3.160.000	94,62	95,199	110	240	240	Postignuto
2.930.000	3.170.000	94,677	95,255	110	240	240	Postignuto
2.940.000	3.180.000	94,733	95,311	110	240	240	Postignuto
2.950.000	3.190.000	94,789	95,367	110	240	240	Postignuto
2.960.000	3.200.000	94,845	95,421	110	240	240	Postignuto

2.970.000	3.210.000	94,902	95,469	110	240	240	Postignuto
2.980.000	3.220.000	94,958	95,514	110	240	240	Postignuto
2.990.000	3.230.000	95,014	95,553	110	240	240	Postignuto
3.000.000	3.240.000	95,07	95,587	110	240	240	Postignuto
3.010.000	3.250.000	95,126	95,617	110	240	240	Postignuto
3.020.000	3.260.000	95,182	95,64	110	240	240	Postignuto
3.030.000	3.270.000	95,239	95,661	110	240	240	Postignuto
3.040.000	3.280.000	95,295	95,674	110	240	240	Postignuto
3.050.000	3.290.000	95,351	95,684	110	240	240	Postignuto
3.060.000	3.300.000	95,407	95,688	110	240	240	Postignuto
3.070.000	3.310.000	95,463	95,686	110	240	240	Postignuto
3.080.000	3.320.000	95,519	95,682	110	240	240	Postignuto
3.090.000	3.330.000	95,576	95,67	110	240	240	Postignuto
3.100.000	3.340.000	95,632	95,655	110	240	240	Postignuto
3.110.000	3.350.000	95,688	95,635	110	240	240	Postignuto
3.120.000	3.360.000	95,744	95,608	110	240	240	Postignuto
3.130.000	3.370.000	95,8	95,577	110	240	240	Postignuto
3.140.000	3.380.000	95,857	95,541	110	240	240	Postignuto
3.150.000	3.390.000	95,912	95,501	110	240	240	Postignuto
3.160.000	3.400.000	95,969	95,456	110	240	240	Postignuto
3.170.000	3.410.000	96,025	95,405	110	240	240	Postignuto
3.180.000	3.420.000	96,081	95,352	110	240	240	Postignuto
3.190.000	3.430.000	96,137	95,3	110	240	240	Postignuto
3.200.000	3.440.000	96,191	95,247	110	240	240	Postignuto
3.210.000	3.450.000	96,239	95,194	110	240	240	Postignuto
3.220.000	3.460.000	96,284	95,141	110	240	240	Postignuto
3.230.000	3.470.000	96,323	95,089	110	240	240	Postignuto
3.240.000	3.480.000	96,357	95,036	110	240	240	Postignuto
3.250.000	3.490.000	96,387	94,983	110	240	240	Postignuto
3.260.000	3.500.000	96,41	94,93	110	240	240	Postignuto
3.270.000	3.510.000	96,431	94,877	110	240	240	Postignuto
3.280.000	3.520.000	96,444	94,825	110	240	240	Postignuto
3.290.000	3.530.000	96,454	94,772	110	240	240	Postignuto
3.300.000	3.540.000	96,458	94,72	110	240	240	Postignuto
3.310.000	3.550.000	96,456	94,666	110	240	240	Postignuto
3.320.000	3.560.000	96,452	94,614	110	240	240	Postignuto
3.330.000	3.570.000	96,44	94,562	110	240	240	Postignuto
3.340.000	3.580.000	96,425	94,508	110	240	240	Postignuto
3.350.000	3.590.000	96,405	94,456	110	240	240	Postignuto
3.360.000	3.600.000	96,378	94,403	110	240	240	Postignuto
3.370.000	3.610.000	96,347	94,35	110	240	240	Postignuto
3.380.000	3.620.000	96,311	94,298	110	240	240	Postignuto
3.390.000	3.630.000	96,271	94,245	110	240	240	Postignuto
3.400.000	3.640.000	96,226	94,192	110	240	240	Postignuto
3.410.000	3.650.000	96,175	94,139	110	240	240	Postignuto
3.420.000	3.660.000	96,122	94,087	110	240	240	Postignuto
3.430.000	3.670.000	96,07	94,034	110	240	240	Postignuto
3.440.000	3.680.000	96,017	93,981	110	240	240	Postignuto
3.450.000	3.690.000	95,964	93,929	110	240	240	Postignuto
3.460.000	3.700.000	95,911	93,875	110	240	240	Postignuto
3.470.000	3.710.000	95,859	93,823	110	240	240	Postignuto
3.480.000	3.720.000	95,806	93,77	110	240	240	Postignuto
3.490.000	3.730.000	95,753	93,718	110	240	240	Postignuto
3.500.000	3.740.000	95,7	93,665	110	240	240	Postignuto
3.510.000	3.750.000	95,647	93,612	110	240	240	Postignuto
3.520.000	3.760.000	95,595	93,56	110	240	240	Postignuto
3.530.000	3.770.000	95,542	93,506	110	240	240	Postignuto
3.540.000	3.780.000	95,49	93,454	110	240	240	Postignuto
3.550.000	3.790.000	95,436	93,401	110	240	240	Postignuto
3.560.000	3.800.000	95,384	93,348	110	240	240	Postignuto
3.570.000	3.810.000	95,332	93,296	110	240	240	Postignuto
3.580.000	3.820.000	95,278	93,243	110	240	240	Postignuto
3.590.000	3.830.000	95,226	93,19	110	240	240	Postignuto
3.600.000	3.840.000	95,173	93,137	110	240	240	Postignuto
3.610.000	3.850.000	95,12	93,084	110	240	240	Postignuto
3.620.000	3.860.000	95,068	93,032	110	240	240	Postignuto
3.630.000	3.870.000	95,015	92,979	110	240	240	Postignuto
3.640.000	3.880.000	94,962	92,927	110	240	240	Postignuto
3.650.000	3.890.000	94,909	92,873	110	240	240	Postignuto
3.660.000	3.900.000	94,857	92,821	110	240	240	Postignuto
3.670.000	3.910.000	94,804	92,768	110	240	240	Postignuto
3.680.000	3.920.000	94,751	92,716	110	240	240	Postignuto
3.690.000	3.930.000	94,699	92,663	110	240	240	Postignuto
3.700.000	3.940.000	94,645	92,61	110	240	240	Postignuto
3.710.000	3.950.000	94,593	92,557	110	240	240	Postignuto
3.720.000	3.960.000	94,54	92,504	110	240	240	Postignuto
3.730.000	3.970.000	94,488	92,452	110	240	240	Postignuto
3.740.000	3.980.000	94,435	92,399	110	240	240	Postignuto
3.750.000	3.990.000	94,382	92,346	110	240	240	Postignuto
3.760.000	4.000.000	94,33	92,293	110	240	240	Postignuto
3.770.000	4.010.000	94,276	92,241	110	240	240	Postignuto
3.780.000	4.020.000	94,224	92,188	110	240	240	Postignuto
3.790.000	4.030.000	94,171	92,135	110	240	240	Postignuto
3.800.000	4.040.000	94,118	92,083	110	240	240	Postignuto
3.820.000	4.060.005	94,013	91,978	110	240	240,005	Postignuto
3.840.000	4.080.006	93,907	91,875	110	240	240,006	Postignuto
3.860.000	4.100.005	93,802	91,771	110	240	240,005	Postignuto
3.880.000	4.120.006	93,697	91,667	110	240	240,006	Postignuto
3.890.000	4.130.000	93,643	91,616	110	240	240	Postignuto

3.910.000	4.149.999	93.538	91,513	110	240	239,999	Postignuto
3.920.000	4.160.002	93,486	91,46	110	240	240,002	Postignuto
3.940.000	4.180.003	93,38	91,358	110	240	240,003	Postignuto
3.950.000	4.190.000	93,327	91,306	110	240	240	Postignuto
3.960.000	4.200.001	93,274	91,254	110	240	240,001	Postignuto
3.970.000	4.209.999	93,222	91,202	110	240	239,999	Postignuto
3.980.000	4.220.000	93,169	91,151	110	240	240	Postignuto
3.990.000	4.230.000	93,116	91,117	110	240	240	Postignuto
4.000.000	4.240.000	93,063	91,144	110	240	240	Postignuto
4.010.000	4.249.999	93,011	91,164	110	240	239,999	Postignuto
4.020.000	4.260.000	92,958	91,149	110	240	240	Postignuto
4.030.000	4.270.001	92,905	91,176	110	240	240,001	Postignuto
4.049.998	4.290.001	92,8	91,086	110	240	240,003	Postignuto
4.069.995	4.310.000	92,696	90,986	110	240	240,005	Postignuto
4.089.998	4.329.998	92,593	90,885	110	240	240	Postignuto
4.130.000	4.370.007	92,386	90,687	110	240	240,007	Postignuto
4.139.994	4.380.001	92,334	90,636	110	240	240,008	Postignuto
4.149.999	4.389.999	92,283	90,586	110	240	240	Postignuto
4.169.998	4.409.999	92,179	90,486	110	240	240,001	Postignuto
4.180.003	4.420.010	92,128	90,437	110	240	240,007	Postignuto
4.200.001	4.440.008	92,024	90,336	110	240	240,006	Postignuto
4.209.999	4.450.000	91,972	90,286	110	240	240,001	Postignuto
4.220.000	4.460.000	91,921	90,233	110	240	240	Postignuto
4.230.000	4.470.000	91,887	90,181	110	240	240	Postignuto
4.240.000	4.480.000	91,914	90,128	110	240	240	Postignuto
4.249.999	4.490.000	91,934	90,076	110	240	240,001	Postignuto
4.260.000	4.500.000	91,919	90,022	110	240	240	Postignuto
4.270.001	4.510.000	91,946	89,97	110	240	239,999	Postignuto
4.279.999	4.520.000	91,905	89,917	110	240	240,001	Postignuto
4.300.001	4.540.000	91,807	89,812	110	240	239,999	Postignuto
4.310.000	4.550.000	91,756	89,759	110	240	240	Postignuto
4.329.998	4.570.000	91,655	89,653	110	240	240,002	Postignuto
4.349.993	4.590.000	91,557	89,548	110	240	240,007	Postignuto
4.359.999	4.600.000	91,506	89,495	110	240	240,001	Postignuto
4.389.999	4.630.000	91,356	89,337	110	240	240,001	Postignuto
4.399.989	4.640.000	91,307	89,284	110	240	240,011	Postignuto
4.409.999	4.650.000	91,256	89,231	110	240	240,001	Postignuto
4.429.996	4.670.000	91,155	89,126	110	240	240,004	Postignuto
4.450.000	4.690.000	91,056	89,02	110	240	240	Postignuto
4.460.000	4.700.000	91,003	88,971	110	240	240	Postignuto
4.470.000	4.710.000	90,951	88,93	110	240	240	Postignuto
4.480.000	4.720.000	90,898	88,895	110	240	240	Postignuto
4.490.000	4.730.000	90,846	88,865	110	240	240	Postignuto
4.500.000	4.740.000	90,792	88,846	110	240	240	Postignuto
4.510.000	4.750.000	90,74	88,829	110	240	240	Postignuto
4.520.000	4.760.000	90,687	88,824	110	240	240	Postignuto
4.530.000	4.770.000	90,635	88,826	110	240	240	Postignuto
4.540.000	4.780.000	90,582	88,831	110	240	240	Postignuto
4.550.000	4.790.000	90,529	88,847	110	240	240	Postignuto
4.560.000	4.800.000	90,476	88,867	110	240	240	Postignuto
4.570.000	4.810.000	90,423	88,896	110	240	240	Postignuto
4.580.000	4.820.000	90,371	88,934	110	240	240	Postignuto
4.590.000	4.830.000	90,318	88,977	110	240	240	Postignuto
4.600.000	4.840.000	90,265	89,026	110	240	240	Postignuto
4.610.000	4.850.000	90,213	89,082	110	240	240	Postignuto
4.620.000	4.860.000	90,159	89,149	110	240	240	Postignuto
4.630.000	4.870.000	90,107	89,221	110	240	240	Postignuto
4.640.000	4.880.000	90,054	89,301	110	240	240	Postignuto
4.650.000	4.890.000	90,001	89,384	110	240	240	Postignuto
4.660.000	4.900.000	89,949	89,477	110	240	240	Postignuto
4.670.000	4.910.000	89,896	89,58	110	240	240	Postignuto
4.680.000	4.920.000	89,843	89,685	110	240	240	Postignuto
4.690.000	4.930.000	89,79	89,799	110	240	240	Postignuto
4.700.000	4.940.000	89,741	89,913	110	240	240	Postignuto
4.710.000	4.950.000	89,7	90,028	110	240	240	Postignuto
4.720.000	4.960.000	89,665	90,143	110	240	240	Postignuto
4.730.000	4.970.000	89,635	90,257	110	240	240	Postignuto
4.740.000	4.980.000	89,616	90,372	110	240	240	Postignuto
4.750.000	4.990.000	89,599	90,487	110	240	240	Postignuto
4.760.000	5.000.000	89,594	90,601	110	240	240	Postignuto
4.770.000	5.010.000	89,596	90,716	110	240	240	Postignuto
4.780.000	5.020.000	89,601	90,831	110	240	240	Postignuto
4.790.000	5.030.000	89,617	90,945	110	240	240	Postignuto
4.800.000	5.040.000	89,637	91,06	110	240	240	Postignuto
4.810.000	5.050.000	89,666	91,174	110	240	240	Postignuto
4.820.000	5.060.000	89,704	91,289	110	240	240	Postignuto
4.830.000	5.070.000	89,747	91,404	110	240	240	Postignuto
4.840.000	5.080.000	89,796	91,518	110	240	240	Postignuto
4.850.000	5.090.000	89,852	91,633	110	240	240	Postignuto
4.860.000	5.100.000	89,919	91,747	110	240	240	Postignuto
4.870.000	5.110.000	89,991	91,862	110	240	240	Postignuto
4.880.000	5.120.000	90,071	91,977	110	240	240	Postignuto
4.890.000	5.130.000	90,154	92,091	110	240	240	Postignuto
4.900.000	5.140.000	90,247	92,206	110	240	240	Postignuto
4.910.000	5.150.000	90,35	92,32	110	240	240	Postignuto
4.920.000	5.160.000	90,455	92,435	110	240	240	Postignuto
4.930.000	5.170.000	90,569	92,55	110	240	240	Postignuto
4.940.000	5.180.000	90,683	92,665	110	240	240	Postignuto
4.950.000	5.190.000	90,798	92,779	110	240	240	Postignuto

4.960.000	5.200.000	90,913	92,893	110	240	240	Postignuto
4.970.000	5.210.000	91,027	93,008	110	240	240	Postignuto
4.980.000	5.220.000	91,142	93,123	110	240	240	Postignuto
4.990.000	5.230.000	91,257	93,237	110	240	240	Postignuto
5.000.000	5.240.000	91,371	93,352	110	240	240	Postignuto
5.010.000	5.250.000	91,486	93,466	110	240	240	Postignuto
5.020.000	5.260.000	91,601	93,582	110	240	240	Postignuto
5.030.000	5.270.000	91,715	93,696	110	240	240	Postignuto
5.040.000	5.280.000	91,83	93,81	110	240	240	Postignuto
5.050.000	5.290.000	91,944	93,925	110	240	240	Postignuto
5.060.000	5.300.000	92,059	94,039	110	240	240	Postignuto
5.070.000	5.310.000	92,174	94,155	110	240	240	Postignuto
5.080.000	5.320.000	92,288	94,269	110	240	240	Postignuto
5.090.000	5.330.000	92,403	94,383	110	240	240	Postignuto
5.100.000	5.340.000	92,517	94,498	110	240	240	Postignuto
5.110.000	5.350.000	92,632	94,612	110	240	240	Postignuto
5.120.000	5.360.000	92,747	94,727	110	240	240	Postignuto
5.130.000	5.370.000	92,861	94,842	110	240	240	Postignuto
5.140.000	5.380.000	92,976	94,956	110	240	240	Postignuto
5.150.000	5.390.000	93,09	95,071	110	240	240	Postignuto
5.160.000	5.400.000	93,205	95,185	110	240	240	Postignuto
5.170.000	5.410.000	93,32	95,3	110	240	240	Postignuto
5.190.000	5.430.008	93,549	95,522	110	240	240,008	Postignuto
5.210.000	5.450.007	93,778	95,748	110	240	240,007	Postignuto
5.220.000	5.460.004	93,893	95,859	110	240	240,004	Postignuto
5.230.000	5.470.004	94,007	95,972	110	240	240,004	Postignuto
5.240.000	5.480.002	94,122	96,082	110	240	240,002	Postignuto
5.270.000	5.510.003	94,466	96,419	110	240	240,003	Postignuto
5.290.000	5.530.004	94,695	96,641	110	240	240,004	Postignuto
5.320.000	5.560.002	95,039	96,978	110	240	240,002	Postignuto
5.330.000	5.569.999	95,153	97,089	110	240	239,999	Postignuto
5.340.000	5.580.002	95,268	97,2	110	240	240,002	Postignuto
5.350.000	5.590.000	95,382	97,283	110	240	240	Postignuto
5.360.000	5.600.001	95,497	97,345	110	240	240,001	Postignuto
5.370.000	5.610.000	95,612	97,394	110	240	240	Postignuto
5.380.000	5.620.000	95,726	97,437	110	240	240	Postignuto
5.390.000	5.630.000	95,841	97,474	110	240	240	Postignuto
5.400.000	5.640.001	95,955	97,587	110	240	240,001	Postignuto
5.419.996	5.659.999	96,181	97,811	110	240	240,003	Postignuto
5.439.997	5.679.997	96,405	98,033	110	240	240,001	Postignuto
5.480.002	5.720.003	96,852	98,481	110	240	240,001	Postignuto
5.499.996	5.740.002	97,077	98,706	110	240	240,006	Postignuto
5.510.003	5.750.005	97,189	98,818	110	240	240,002	Postignuto
5.530.004	5.770.004	97,411	99,041	110	240	240	Postignuto
5.549.998	5.790.003	97,636	99,265	110	240	240,005	Postignuto
5.590.000	5.830.000	98,053	99,718	110	240	240	Postignuto
5.600.001	5.840.000	98,115	99,833	110	240	239,999	Postignuto
5.610.000	5.850.000	98,164	99,947	110	240	240	Postignuto
5.620.000	5.860.000	98,207	100,062	110	240	240	Postignuto
5.630.000	5.870.000	98,244	100,177	110	240	240	Postignuto
5.640.001	5.880.000	98,357	100,292	110	240	239,999	Postignuto
5.649.998	5.890.000	98,469	100,406	110	240	240,002	Postignuto
5.659.999	5.900.000	98,581	100,52	110	240	240,001	Postignuto
5.679.997	5.920.000	98,803	100,75	110	240	240,003	Postignuto
5.699.996	5.940.000	99,028	100,979	110	240	240,004	Postignuto
5.709.997	5.950.000	99,14	101,093	110	240	240,003	Postignuto
5.729.995	5.970.000	99,362	101,323	110	240	240,005	Postignuto
5.759.996	6.000.000	99,699	101,666	110	240	240,004	Postignuto
5.779.993	6.020.000	99,922	101,896	110	240	240,007	Postignuto
5.799.992	6.040.000	100,147	102,126	110	240	240,008	Postignuto
5.809.994	6.050.000	100,259	102,239	110	240	240,006	Postignuto
5.820.000	6.060.000	100,374	102,354	110	240	240	Postignuto
5.830.000	6.070.000	100,488	102,469	110	240	240	Postignuto
5.840.000	6.080.000	100,603	102,584	110	240	240	Postignuto
5.850.000	6.090.000	100,717	102,699	110	240	240	Postignuto
5.860.000	6.100.000	100,832	102,813	110	240	240	Postignuto
5.870.000	6.110.000	100,947	102,927	110	240	240	Postignuto
5.880.000	6.120.000	101,062	103,042	110	240	240	Postignuto
5.890.000	6.130.000	101,176	103,157	110	240	240	Postignuto
5.900.000	6.140.000	101,29	103,271	110	240	240	Postignuto
5.910.000	6.150.000	101,405	103,386	110	240	240	Postignuto
5.920.000	6.160.000	101,52	103,501	110	240	240	Postignuto
5.930.000	6.170.000	101,635	103,615	110	240	240	Postignuto
5.940.000	6.180.000	101,749	103,73	110	240	240	Postignuto
5.950.000	6.190.000	101,863	103,844	110	240	240	Postignuto
5.960.000	6.200.000	101,978	103,959	110	240	240	Postignuto
5.970.000	6.210.000	102,093	104,074	110	240	240	Postignuto
5.980.000	6.220.000	102,208	104,188	110	240	240	Postignuto
5.990.000	6.230.000	102,322	104,303	110	240	240	Postignuto
6.000.000	6.240.000	102,436	104,418	110	240	240	Postignuto
6.010.000	6.250.000	102,552	104,532	110	240	240	Postignuto
6.020.000	6.260.000	102,666	104,647	110	240	240	Postignuto
6.030.000	6.270.000	102,78	104,761	110	240	240	Postignuto
6.040.000	6.280.000	102,896	104,876	110	240	240	Postignuto
6.050.000	6.290.000	103,009	104,991	110	240	240	Postignuto
6.060.000	6.300.000	103,124	105,105	110	240	240	Postignuto
6.070.000	6.310.000	103,239	105,22	110	240	240	Postignuto
6.080.000	6.320.000	103,354	105,335	110	240	240	Postignuto
6.090.000	6.330.000	103,469	105,449	110	240	240	Postignuto

6.100.000	6.340.000	103,583	105,564	110	240	240	Postignuto
6.110.000	6.350.000	103,697	105,678	110	240	240	Postignuto
6.120.000	6.360.000	103,812	105,793	110	240	240	Postignuto
6.130.000	6.370.000	103,927	105,908	110	240	240	Postignuto
6.140.000	6.380.000	104,041	106,022	110	240	240	Postignuto
6.150.000	6.390.000	104,156	106,137	110	240	240	Postignuto
6.160.000	6.400.000	104,271	106,251	110	240	240	Postignuto
6.170.000	6.410.011	104,385	106,366	110	240	240,011	Postignuto
6.180.000	6.419.999	104,5	106,483	110	240	239,999	Postignuto
6.200.000	6.440.001	104,729	106,718	110	240	240,001	Postignuto
6.220.000	6.460.001	104,958	106,953	110	240	240,001	Postignuto
6.230.000	6.470.003	105,073	107,069	110	240	240,003	Postignuto
6.250.000	6.490.001	105,302	107,304	110	240	240,001	Postignuto
6.260.000	6.500.002	105,417	107,423	110	240	240,002	Postignuto
6.270.000	6.510.005	105,531	107,539	110	240	240,005	Postignuto
6.280.000	6.520.000	105,646	107,656	110	240	240	Postignuto
6.300.000	6.540.000	105,875	107,891	110	240	240	Postignuto
6.310.000	6.550.001	105,99	108,01	110	240	240,001	Postignuto
6.320.000	6.560.002	106,105	108,126	110	240	240,002	Postignuto
6.330.000	6.570.000	106,219	108,243	110	240	240	Postignuto
6.350.000	6.590.000	106,448	108,504	110	240	240	Postignuto
6.360.000	6.600.000	106,563	108,699	110	240	240	Postignuto
6.370.000	6.609.999	106,678	108,856	110	240	239,999	Postignuto
6.380.000	6.620.000	106,792	109,024	110	240	240	Postignuto
6.390.000	6.630.001	106,907	109,218	110	240	240,001	Postignuto
6.400.000	6.639.999	107,021	109,351	110	240	239,999	Postignuto
6.419.999	6.660.000	107,253	109,587	110	240	240,001	Postignuto
6.429.988	6.669.994	107,371	109,705	110	240	240,006	Postignuto
6.449.991	6.690.004	107,606	109,94	110	240	240,013	Postignuto
6.460.001	6.700.001	107,723	110,059	110	240	240	Postignuto
6.479.995	6.720.005	107,958	110,294	110	240	240,011	Postignuto
6.529.994	6.769.999	108,545	110,881	110	240	240,004	Postignuto
6.540.000	6.780.010	108,661	111	110	240	240,01	Postignuto
6.570.000	6.810.000	109,013	111,347	110	240	240	Postignuto
6.579.998	6.820.000	109,131	111,461	110	240	240,002	Postignuto
6.590.000	6.830.000	109,274	111,576	110	240	240	Postignuto
6.600.000	6.840.000	109,469	111,691	110	240	240	Postignuto
6.609.999	6.850.000	109,626	111,805	110	240	240,001	Postignuto
6.620.000	6.860.000	109,794	111,92	110	240	240	Postignuto
6.639.999	6.880.000	110,121	112,149	110	240	240,001	Postignuto
6.649.997	6.890.000	110,24	112,264	110	240	240,003	Postignuto
6.660.000	6.900.000	110,357	112,378	110	240	240	Postignuto
6.669.994	6.910.000	110,475	112,493	110	240	240,006	Postignuto
6.679.999	6.920.000	110,591	112,608	110	240	240,001	Postignuto
6.700.001	6.940.000	110,829	112,837	110	240	239,999	Postignuto
6.709.998	6.950.000	110,945	112,951	110	240	240,002	Postignuto
6.729.992	6.970.000	111,181	113,181	110	240	240,008	Postignuto
6.749.996	6.990.000	111,417	113,41	110	240	240,004	Postignuto
6.759.988	7.000.000	111,534	113,524	110	240	240,012	Postignuto
6.769.999	7.010.000	111,651	113,639	110	240	240,001	Postignuto
6.790.000	7.030.000	111,887	113,869	110	240	240	Postignuto
6.800.000	7.040.000	112,002	113,983	110	240	240	Postignuto
6.810.000	7.050.000	112,117	114,097	110	240	240	Postignuto
6.820.000	7.060.000	112,231	114,212	110	240	240	Postignuto
6.830.000	7.070.000	112,346	114,327	110	240	240	Postignuto
6.840.000	7.080.000	112,461	114,442	110	240	240	Postignuto
6.850.000	7.090.000	112,575	114,556	110	240	240	Postignuto
6.860.000	7.100.000	112,69	114,67	110	240	240	Postignuto
6.870.000	7.110.000	112,805	114,786	110	240	240	Postignuto
6.880.000	7.120.000	112,919	114,9	110	240	240	Postignuto
6.890.000	7.130.000	113,034	115,015	110	240	240	Postignuto
6.900.000	7.140.000	113,148	115,129	110	240	240	Postignuto
6.910.000	7.150.000	113,263	115,243	110	240	240	Postignuto
6.920.000	7.160.000	113,378	115,359	110	240	240	Postignuto
6.930.000	7.170.000	113,492	115,473	110	240	240	Postignuto
6.940.000	7.180.000	113,607	115,588	110	240	240	Postignuto
6.950.000	7.190.000	113,721	115,702	110	240	240	Postignuto
6.960.000	7.200.000	113,836	115,816	110	240	240	Postignuto
6.970.000	7.210.000	113,951	115,932	110	240	240	Postignuto
6.980.000	7.220.000	114,065	116,046	110	240	240	Postignuto
6.990.000	7.230.000	114,18	116,161	110	240	240	Postignuto
7.000.000	7.240.000	114,294	116,275	110	240	240	Postignuto
7.010.000	7.250.000	114,409	116,389	110	240	240	Postignuto
7.020.000	7.260.000	114,524	116,505	110	240	240	Postignuto
7.030.000	7.270.000	114,639	116,619	110	240	240	Postignuto
7.040.000	7.280.000	114,753	116,733	110	240	240	Postignuto
7.050.000	7.290.000	114,867	116,849	110	240	240	Postignuto
7.060.000	7.300.000	114,982	116,963	110	240	240	Postignuto
7.070.000	7.310.000	115,097	117,078	110	240	240	Postignuto
7.080.000	7.320.000	115,212	117,192	110	240	240	Postignuto
7.090.000	7.330.000	115,326	117,307	110	240	240	Postignuto
7.100.000	7.340.000	115,44	117,421	110	240	240	Postignuto
7.110.000	7.350.000	115,556	117,536	110	240	240	Postignuto
7.120.000	7.360.000	115,67	117,65	110	240	240	Postignuto
7.130.000	7.370.000	115,785	117,766	110	240	240	Postignuto
7.140.000	7.380.000	115,899	117,88	110	240	240	Postignuto
7.150.000	7.390.000	116,013	117,994	110	240	240	Postignuto
7.160.000	7.400.000	116,129	118,109	110	240	240	Postignuto
7.170.000	7.410.000	116,243	118,224	110	240	240	Postignuto

7.180.000	7.420.000	116,358	118,339	110	240	240	Postignuto
7.190.000	7.430.000	116,472	118,453	110	240	240	Postignuto
7.200.000	7.440.000	116,586	118,567	110	240	240	Postignuto
7.210.000	7.450.000	116,702	118,682	110	240	240	Postignuto
7.220.000	7.460.000	116,816	118,797	110	240	240	Postignuto
7.230.000	7.470.000	116,931	118,911	110	240	240	Postignuto
7.240.000	7.480.000	117,045	119,026	110	240	240	Postignuto
7.250.000	7.490.000	117,159	119,14	110	240	240	Postignuto
7.260.000	7.500.000	117,275	119,255	110	240	240	Postignuto
7.270.000	7.510.000	117,389	119,37	110	240	240	Postignuto
7.280.000	7.520.000	117,503	119,484	110	240	240	Postignuto
7.290.000	7.530.000	117,619	119,599	110	240	240	Postignuto
7.300.000	7.540.000	117,733	119,714	110	240	240	Postignuto
7.310.000	7.550.000	117,848	119,828	110	240	240	Postignuto
7.320.000	7.560.000	117,962	119,943	110	240	240	Postignuto
7.330.000	7.570.000	118,077	120,058	110	240	240	Postignuto
7.340.000	7.580.000	118,191	120,172	110	240	240	Postignuto
7.350.000	7.590.000	118,306	120,287	110	240	240	Postignuto
7.360.000	7.600.000	118,42	120,401	110	240	240	Postignuto
7.370.000	7.610.000	118,536	120,516	110	240	240	Postignuto
7.380.000	7.620.000	118,65	120,631	110	240	240	Postignuto
7.390.000	7.630.000	118,764	120,745	110	240	240	Postignuto
7.400.000	7.640.000	118,879	120,86	110	240	240	Postignuto
7.410.000	7.650.000	118,994	120,974	110	240	240	Postignuto
7.420.000	7.660.000	119,109	121,089	110	240	240	Postignuto
7.430.000	7.670.000	119,223	121,204	110	240	240	Postignuto
7.440.000	7.680.000	119,337	121,318	110	240	240	Postignuto
7.450.000	7.690.000	119,452	121,433	110	240	240	Postignuto
7.460.000	7.700.003	119,567	121,546	110	240	240,003	Postignuto
7.480.000	7.720.008	119,796	121,765	110	240	240,008	Postignuto
7.500.000	7.740.002	120,025	121,987	110	240	240,002	Postignuto
7.530.000	7.770.000	120,369	122,32	110	240	240	Postignuto
7.540.000	7.780.007	120,484	122,431	110	240	240,007	Postignuto
7.570.000	7.810.001	120,828	122,765	110	240	240,001	Postignuto
7.580.000	7.820.000	120,942	122,876	110	240	240	Postignuto
7.600.000	7.840.001	121,171	122,989	110	240	240,001	Postignuto
7.620.000	7.860.000	121,401	123,107	110	240	240	Postignuto
7.630.000	7.870.001	121,515	123,148	110	240	240,001	Postignuto
7.640.000	7.880.000	121,63	123,262	110	240	240	Postignuto
7.650.000	7.890.000	121,744	123,377	110	240	240	Postignuto
7.660.000	7.900.000	121,859	123,492	110	240	240	Postignuto
7.670.000	7.910.000	121,974	123,606	110	240	240	Postignuto
7.680.000	7.920.000	122,088	123,721	110	240	240	Postignuto
7.690.000	7.930.000	122,203	123,835	110	240	240	Postignuto
7.709.997	7.950.000	122,425	124,065	110	240	240,003	Postignuto
7.729.993	7.970.000	122,648	124,294	110	240	240,007	Postignuto
7.749.998	7.990.000	122,87	124,523	110	240	240,002	Postignuto
7.759.992	8.000.000	122,981	124,638	110	240	240,008	Postignuto
7.770.000	8.010.000	123,09	124,752	110	240	240	Postignuto
7.789.998	8.030.000	123,313	124,982	110	240	240,002	Postignuto
7.799.996	8.040.000	123,425	125,096	110	240	240,004	Postignuto
7.820.000	8.060.000	123,646	125,325	110	240	240	Postignuto
7.829.998	8.070.000	123,724	125,44	110	240	240,002	Postignuto
7.849.998	8.090.000	123,842	125,669	110	240	240,002	Postignuto
7.860.000	8.100.000	123,877	125,784	110	240	240	Postignuto
7.870.001	8.110.000	123,918	125,899	110	240	239,999	Postignuto
7.880.000	8.120.000	124,032	126,013	110	240	240	Postignuto
7.890.000	8.130.000	124,147	126,128	110	240	240	Postignuto
7.900.000	8.140.000	124,262	126,242	110	240	240	Postignuto
7.910.000	8.150.000	124,376	126,357	110	240	240	Postignuto
7.920.000	8.160.000	124,491	126,472	110	240	240	Postignuto
7.930.000	8.170.000	124,605	126,586	110	240	240	Postignuto
7.940.000	8.180.000	124,72	126,701	110	240	240	Postignuto
7.950.000	8.190.000	124,835	126,815	110	240	240	Postignuto
7.960.000	8.200.000	124,949	126,93	110	240	240	Postignuto
7.970.000	8.210.000	125,064	127,045	110	240	240	Postignuto
7.980.000	8.220.000	125,179	127,159	110	240	240	Postignuto
7.990.000	8.230.000	125,293	127,274	110	240	240	Postignuto
8.000.000	8.240.000	125,408	127,389	110	240	240	Postignuto
8.010.000	8.250.000	125,522	127,503	110	240	240	Postignuto
8.020.000	8.260.000	125,637	127,618	110	240	240	Postignuto
8.030.000	8.270.000	125,752	127,732	110	240	240	Postignuto
8.040.000	8.280.000	125,866	127,847	110	240	240	Postignuto
8.050.000	8.290.000	125,981	127,962	110	240	240	Postignuto
8.060.000	8.300.000	126,095	128,076	110	240	240	Postignuto
8.070.000	8.310.000	126,21	128,191	110	240	240	Postignuto
8.080.000	8.320.000	126,325	128,305	110	240	240	Postignuto
8.090.000	8.330.000	126,439	128,42	110	240	240	Postignuto