

UNIUNEA EUROPEANA



Proiect finantat prin ISPA

ROMANIA



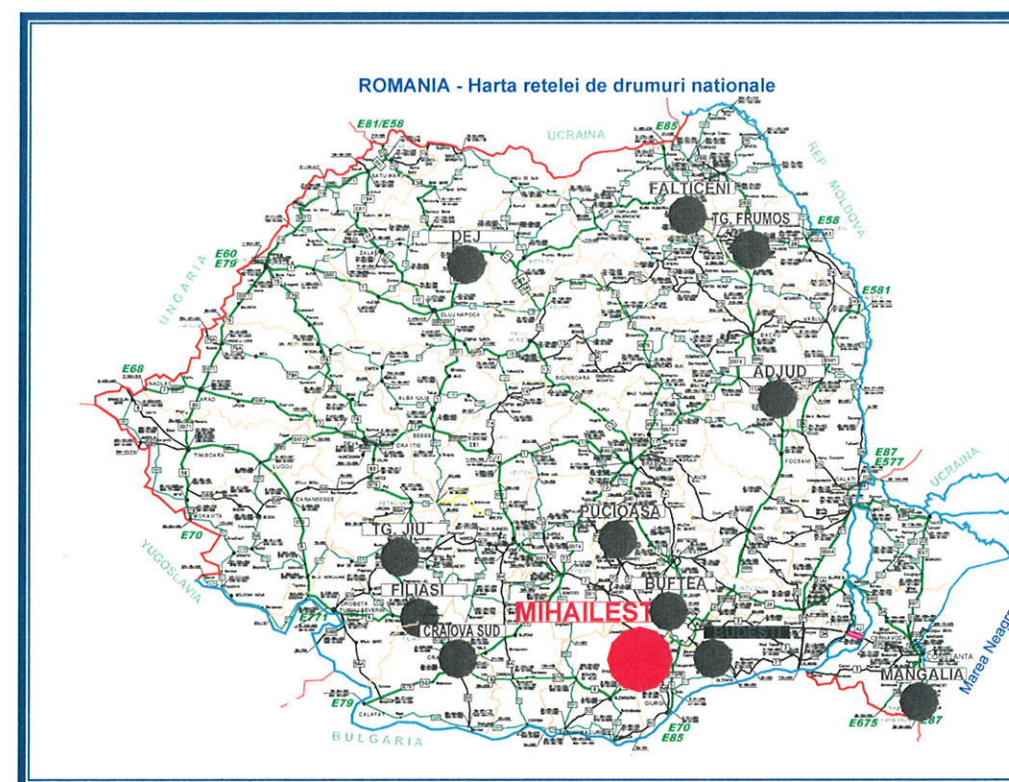
GUVERNUL ROMANIEI

CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI

DETALII DE EXECUTIE

VOLUMUL 1

LUCRARI DE DRUM- PARCARI DE LUNGA DURATA



Beneficiar:
COMPANIA NATIONALA DE
ADMINISTRARE A INFRASTRUCTURII RUTIERE



Antreprenor:
COPISA CONSTRUCTORA PIRENAICA



Proiectant:
S.C. CONSITRANS S.R.L.





România, București, Str. Polonă nr. 56, ap. 1,2,3,4,5,6,7,8, sector 1, cod 010504
Tel.: +40 021 2108906, +40 021 2106050, Fax: +40 021 2107966

Denumirea lucrării: **CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI**
Contract: **CN3412-0011/16**
Beneficiar: **COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII RUTIERE**
Anul: **2016**

LISTA DE SEMNATURI

- DETALII DE EXECUTIE -

DIRECTOR DIVIZIE PROIECTARE:

ing. BOGDAN PAUNESCU

SEF PROIECT :

ing. RAZVAN POSTOACA

PROIECTAT :

ing. FLORIN RUSU

DESENAT :

/ teh. IONUT RADU



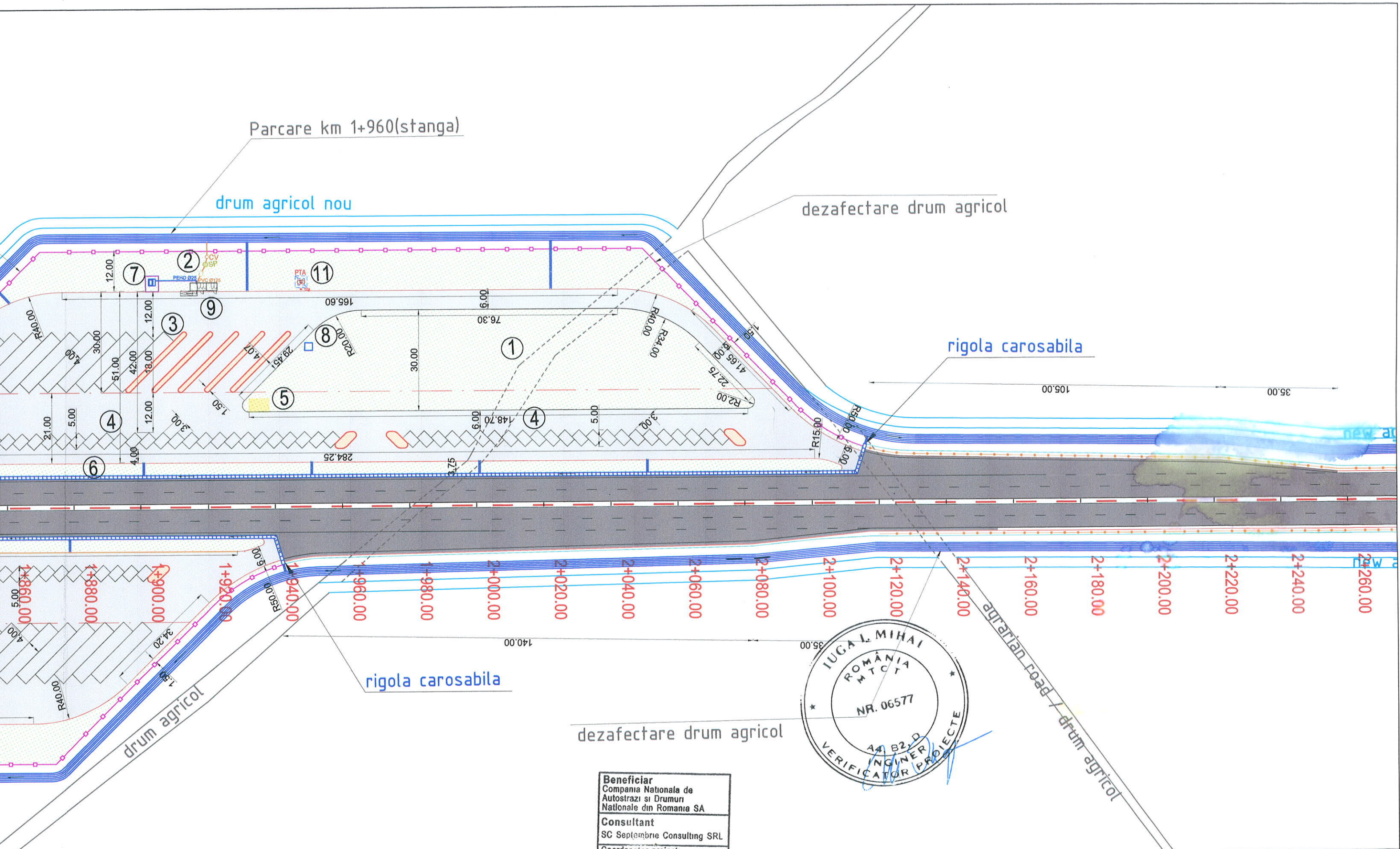
BORDEROU

PARCARI DE LUNGA DURATA

1	PLAN DE SITUATIE PARCARI	1:1000	P	C	T	0	0	0	5	P	R	D	1	D	E	0	1	P	S	P	0	0	1	0	0
2	DETALIU PARCARI DE LUNGA DURATA	1:50	P	C	T	0	0	0	5	P	R	D	1	D	E	0	1	D	-	-	0	0	1	0	0
3	PROFILURI TRANSVERSALE CURENTE PARCARI	1:100	P	C	T	0	0	0	5	P	R	D	1	D	E	0	1	P	T	C	0	0	1-12	0	0



Intocmit,
Ing. FLORIN RUSU



Beneficiar
Compania Nationala de
Autostrazi si Drumuri
Nationale din Romania SA

Consultant
SC Septembrie Consulting SRL

Coordonator proiect:
ing. IGE STANCU

BUN PENTRU EXECUTIE

Data: 14.12.2016

Semnatura: [Signature]

Nr. exemplare: 2

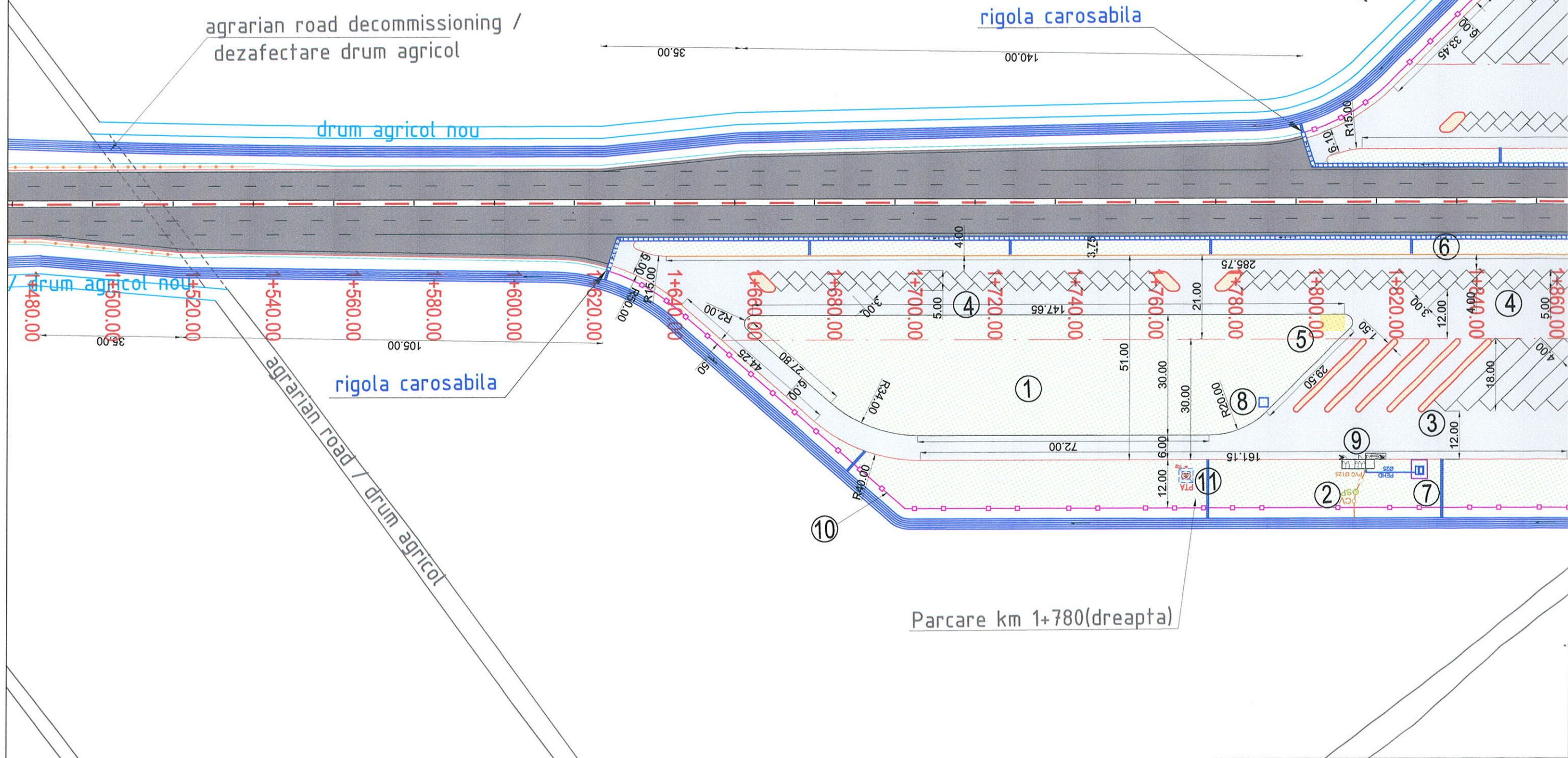
Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr. CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
Antreprenor	COPISA CONSTRUCTORA PIRENAICA	Specificatie	Nume	Semnatura	Denumire Proiect: CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI
Proiectant	SC CONSITRANS SRL	Sef Proiect	Ing. Razvan POSTOACA	[Signature]	Scara: 1:1000
		Proiectat	Ing. Florin RUSU	[Signature]	Denumire desen: PLAN DE SITUATIE PARCARI DE LUNGA DURATA
		Desenat	Teh. Ionut RADU	[Signature]	
		Cod	P C T 0 0 0 5	P R D 1	D E 0 1 P S P 0 0 1 0 0

LEGENDA DOTARI:

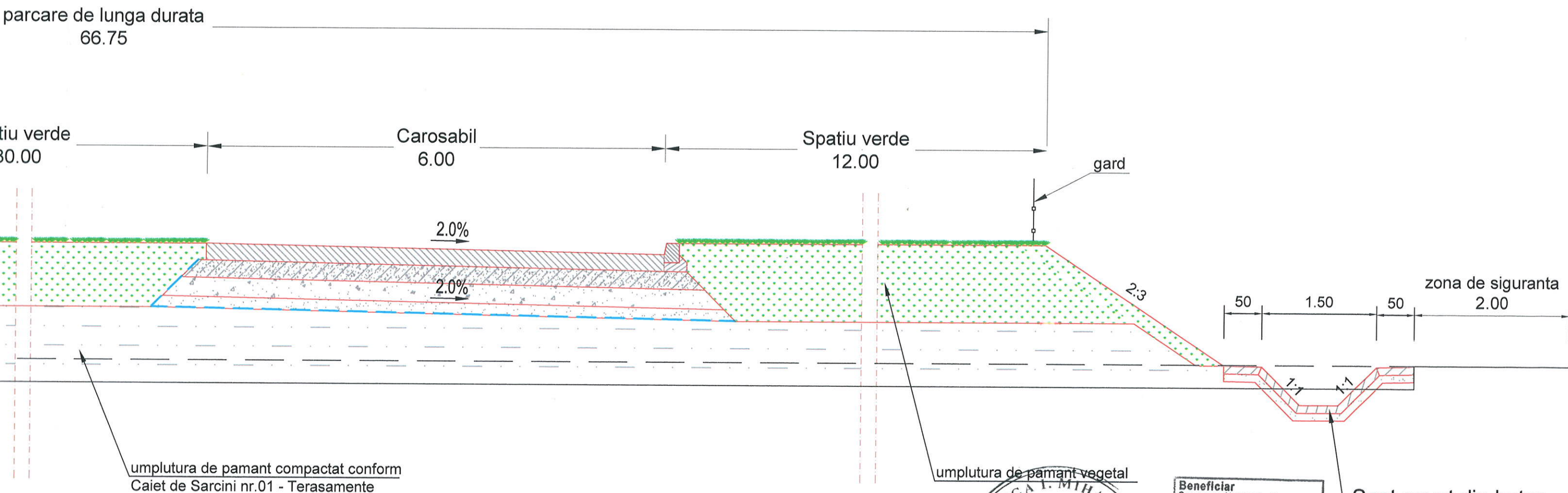
1. SPATIU REZERVAT STATIE ALIMENTARE CU CARBURANTI
2. STATIE DE EPURARE+STATIE DE POMPARE
3. PARCARE AUTOCAMIOANE SI AUTOBUZE
4. PARCARE AUTOTURISME
5. MESE SI BANCUTE CU COPERTINA
6. SPATIU DE SIGURANTA
7. PUT FORAT CU HIDROFOR
8. PLATFORMA CONTAINERE ECOLOGICE
9. TOALETA ECOLOGICA
10. IMPREJMUIRE
11. POST TRAFU

LEGENDA:

1. SISTEM RUTIER CU BETON DE CIMENT
2. SISTEM RUTIER CU MIXTURA ASFALTICA
3. PAVELE DE BETON
4. ZONA VERDE
5. CASIURI



LUNGA DURATA



De zona spatiilor verzi, pana la nivelul patului drumului (nivel inferior al stratului de umpluturile de pamant se realizeaza cu pamant de umplutura compactat, conform Caiet nr.01 - Terasamente, iar de la nivelul patului drumului se realizeaza cu pamant vegetal

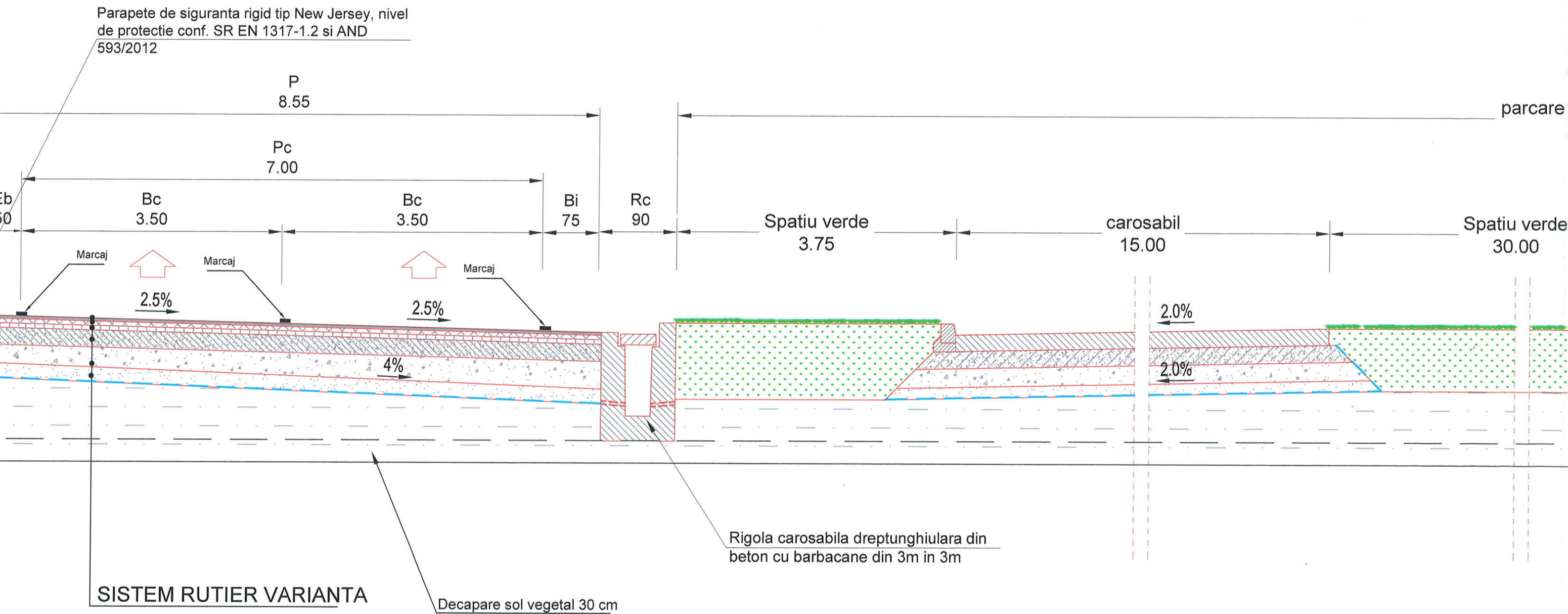


Beneficiar	Compania Nationala de Autostrazi si Drumuri Nationale din Romania SA
Consultant	SC Septembrie Consulting SRL
Coordonator proiect:	ing. ION STANCU
BUN PENTRU EXECUTIE	
Data:	14.12.2016
Semnatura:	
Nr. exemplare:	2

Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr.CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
Antreprenor	COPIA CONSTRUCTORA PIRENAICA	Specificatie	Nume	Semnatura	Denumire Proiect:
		Sef Proiect	Ing. Razvan POSTOACA		CONSTRUCTIA VARIANTEI DE OCULIRE MIHAILESTI
Proiectant	SC CONSITRANS SRL	Proiectat	Ing. Florin RUSU		Scara: 1:50
		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 D - - 0 0 1 0 0		DETALIU PARCARI DE LUNGA DURATA

DETALIU PARCARI DE LUI

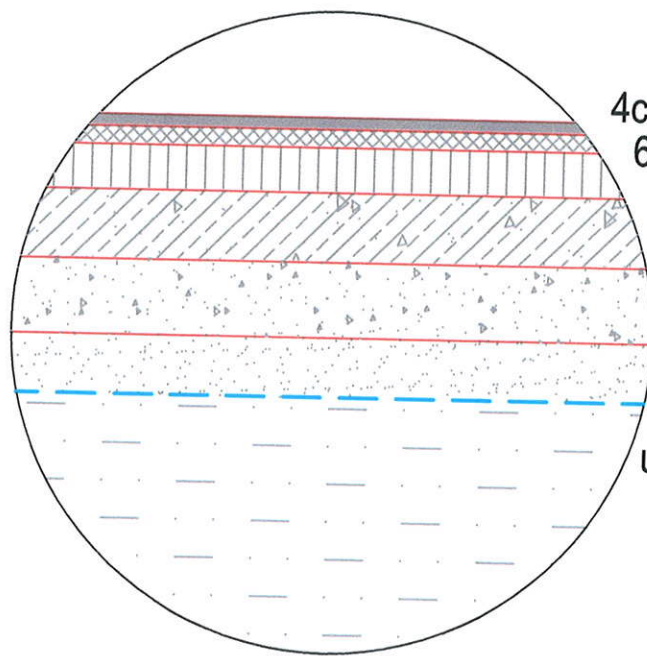
Scara 1:50



NOTA: Pe zona s
forma), umpluturi
de Sarcini nr.01 -

DETALIU SISTEM RUTIER VARIANTA

Scara 1:25



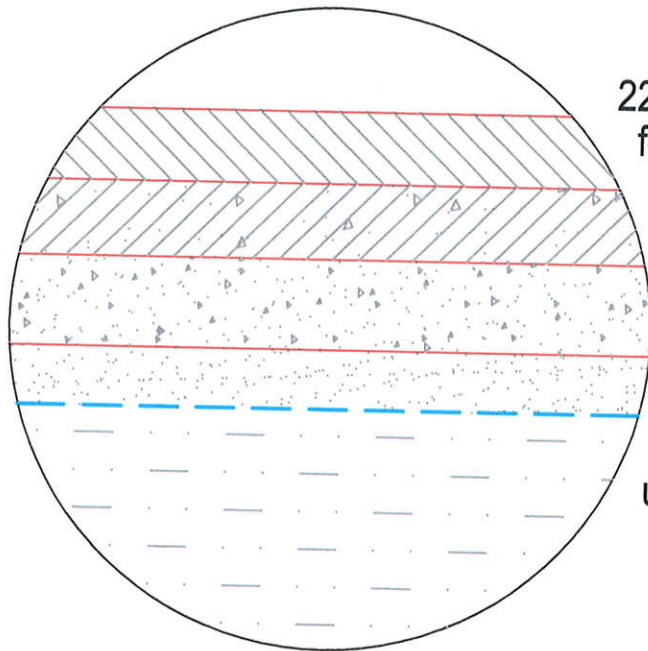
4cm mixtura asfaltica MASF 16
6cm binder de criblura BAD25m cu bitum modificat
8cm mixtura asfaltica AB2
23cm balast stabilizat cu ciment
25cm fundatie din balast
20cm strat de forma din balast
geotextil anticontaminator
umplutura din pamant

NOTA:

P = Platforma
Pc = Parte carosabila
Bi = Banda de incadrare
Bc = Banda de circulatie
Eb = Efect de bordura
Sf = Separator fizic
Rc = Rigola carosabila

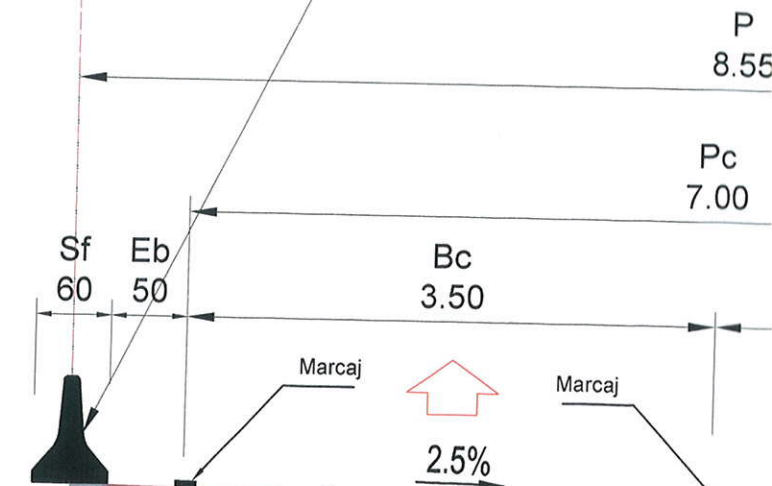
SISTEM RUTIER PARCARE

Scara 1:25

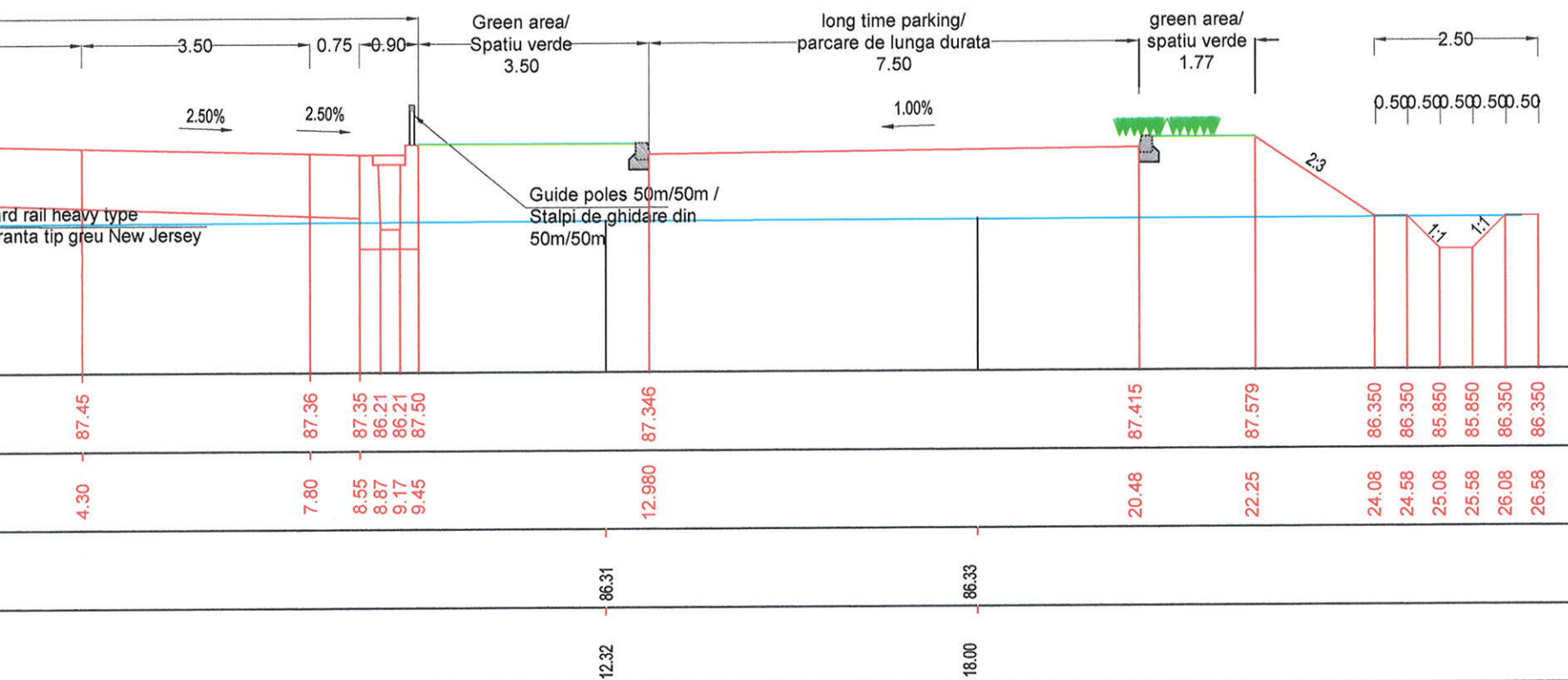


22cm beton de ciment BcR 4.5
folie de polietilena
2 cm nisip
23cm balast stabilizat cu ciment
25cm fundatie din balast
15cm strat de forma din balast
geotextil anticontaminator
umplutura din pamant

Parapete de siguranta rigid tip N
de protectie conf. SR EN 1317-1
593/2012



SISTEM RUTIER VARIANTA



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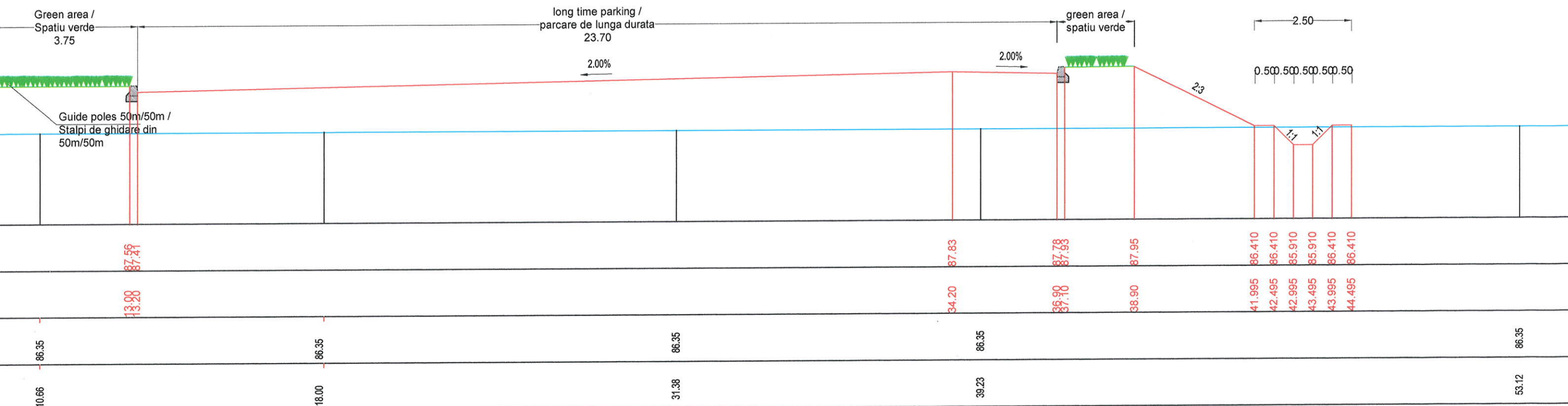
Coordonator proiect:
ing. ION STANCU

BUN PENTRU EXECUTIE

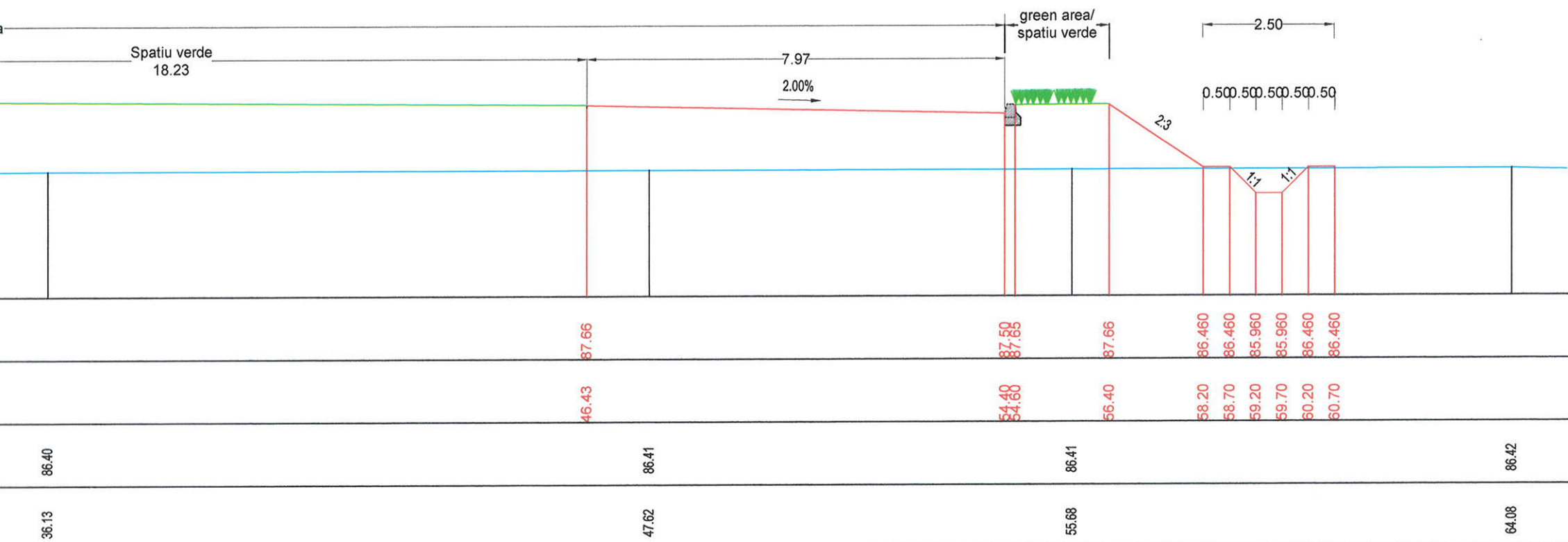
Data: 14.12.2016

Semnatura:

Nr. exemplare: 2



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		Proiectat	Ing. Florin RUSU		Scara: 1:100
		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 1 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA



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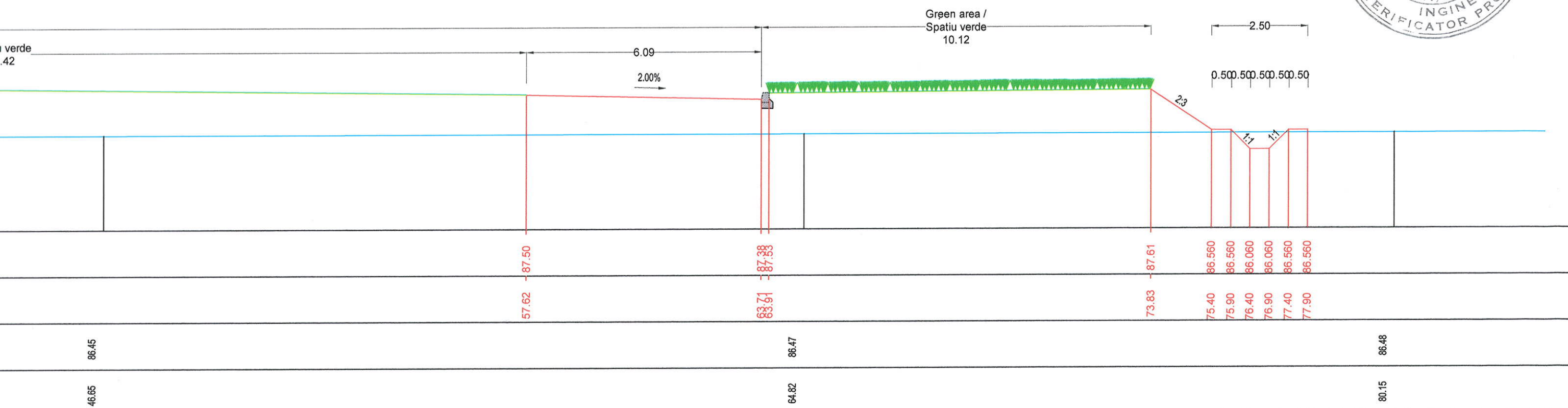
Coordonator proiect:
ing. ION STANCU

BUN PENTRU EXECUTIE

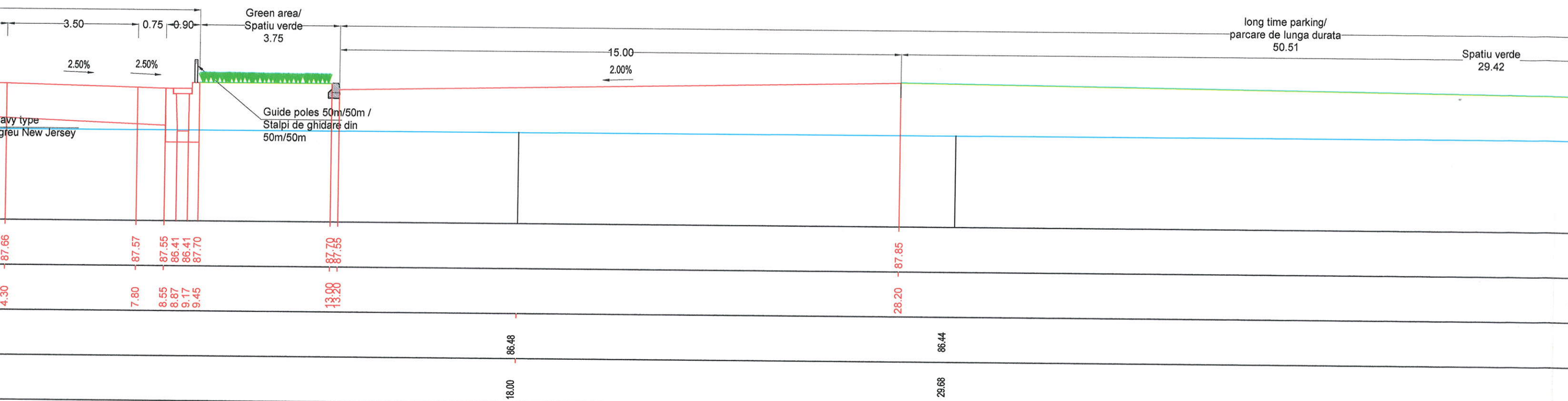
Data: 14.12.2016

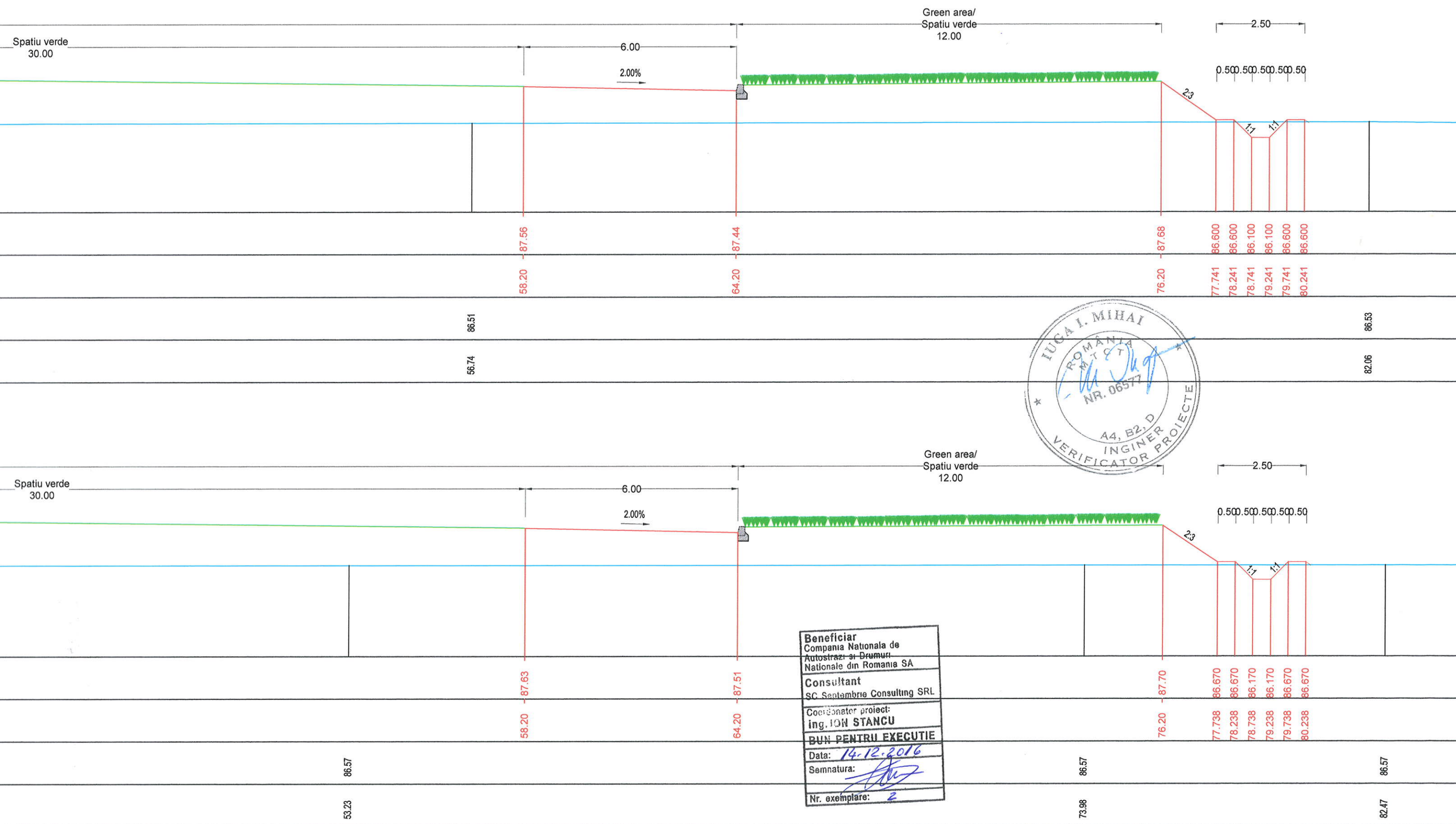
Semnatura:

Nr. exemplare: 2



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		Proiectat	Ing. Florin RUSU		Scara: 1:100
		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 2 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA





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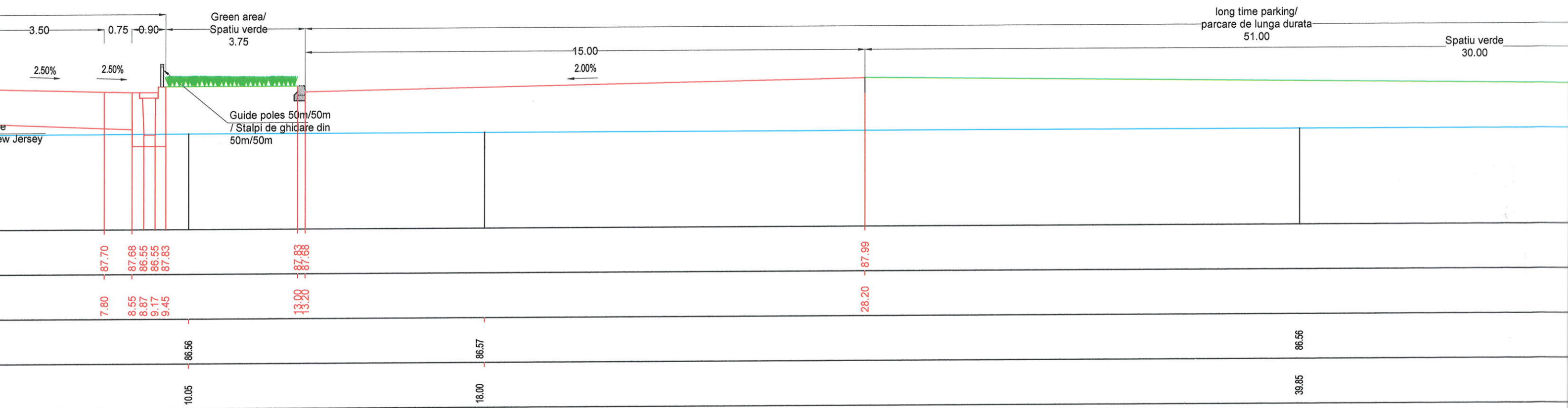
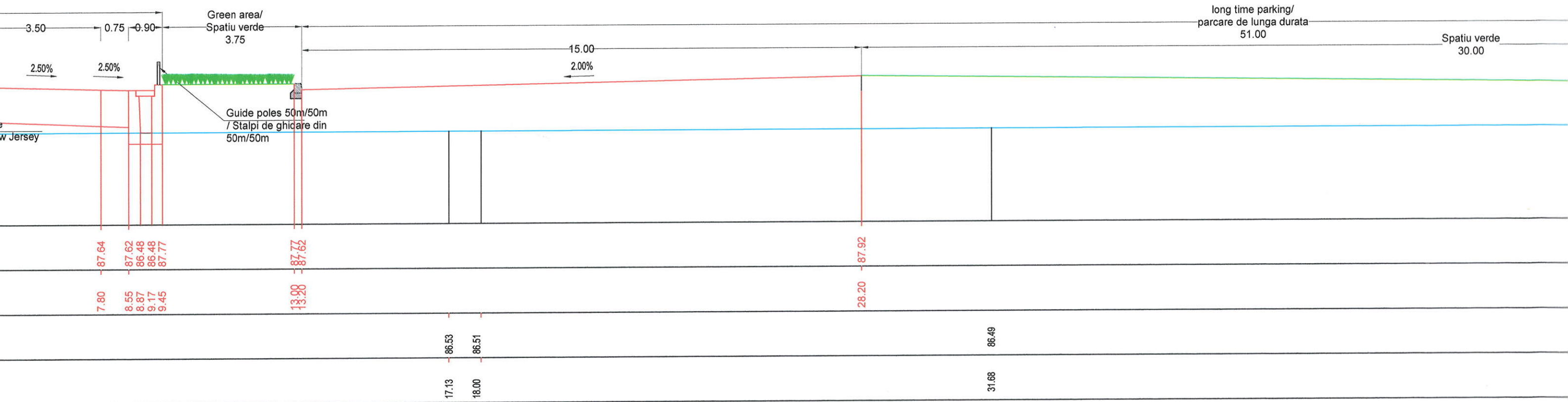
BUN PENTRU EXECUTIE

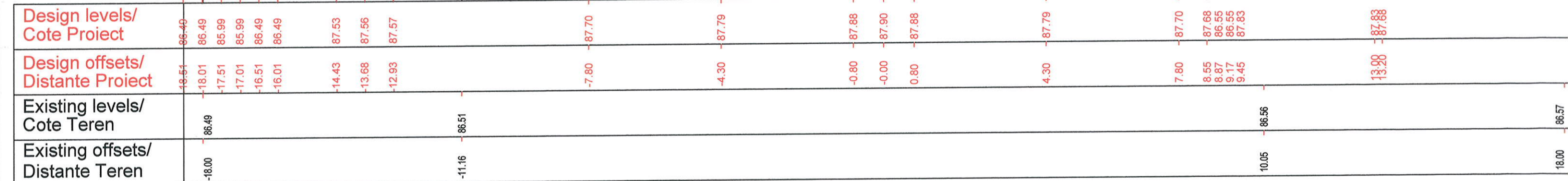
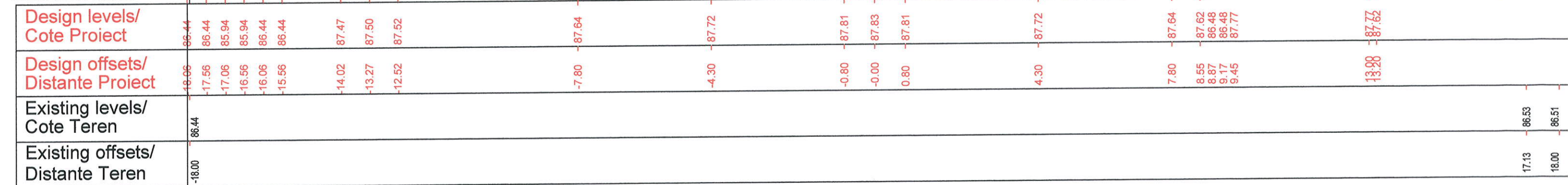
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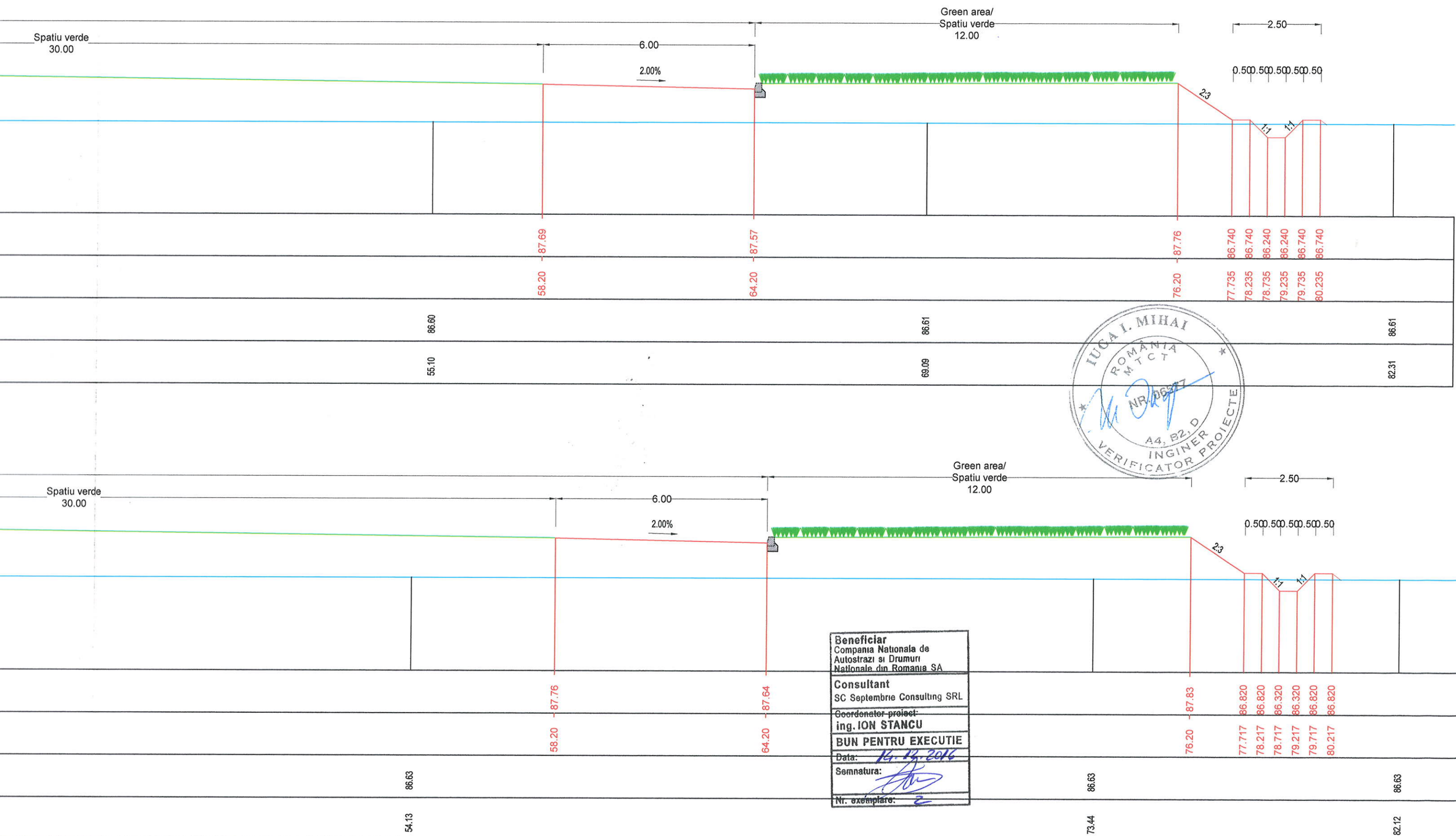
Semnatura: *[Signature]*

Nr. exemplare: 2

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		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 3 0 0		







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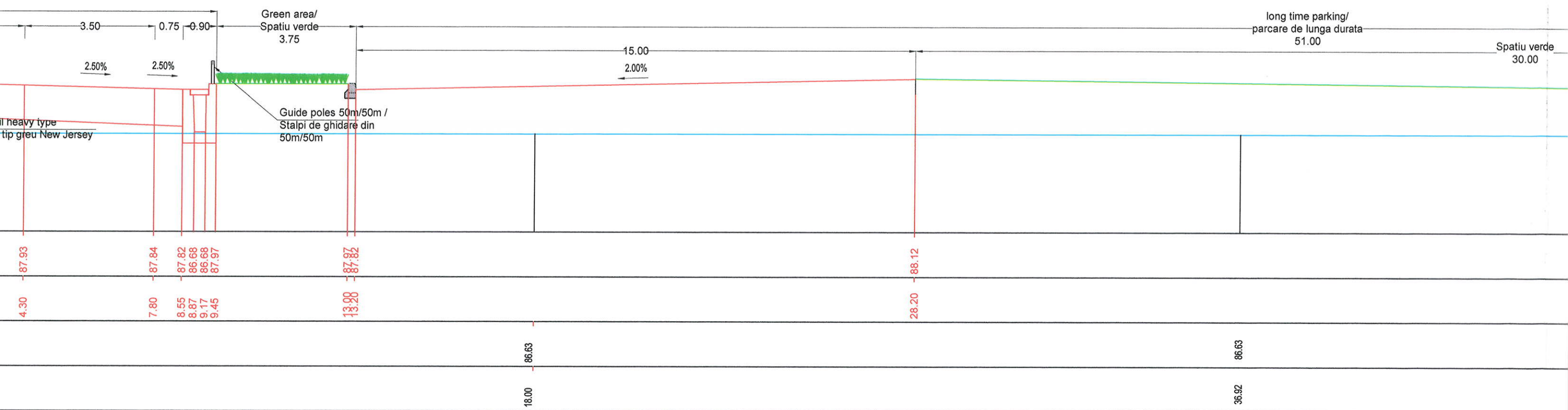
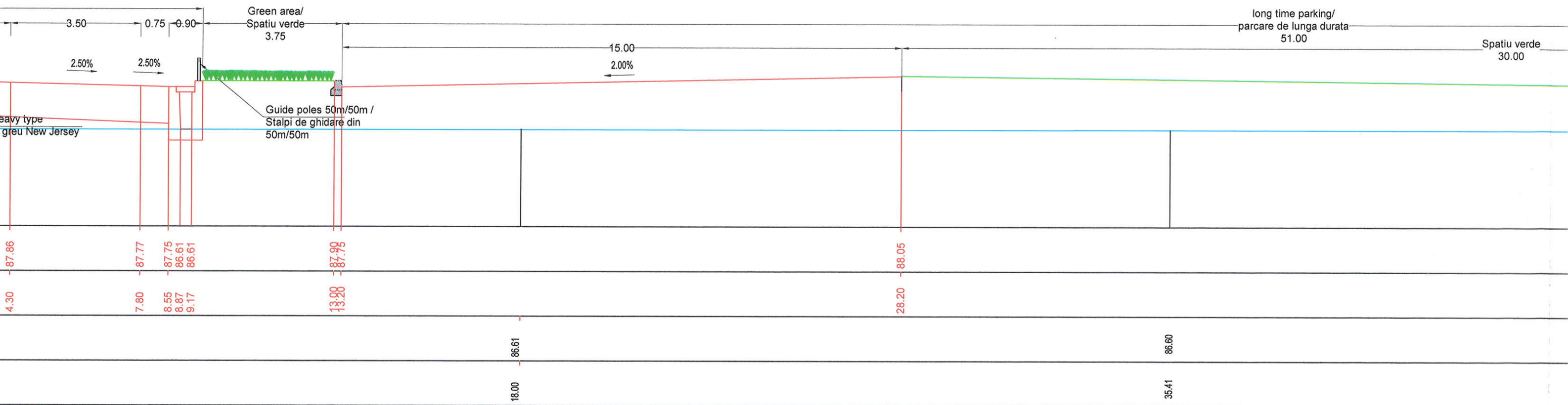
BUN PENTRU EXECUTIE

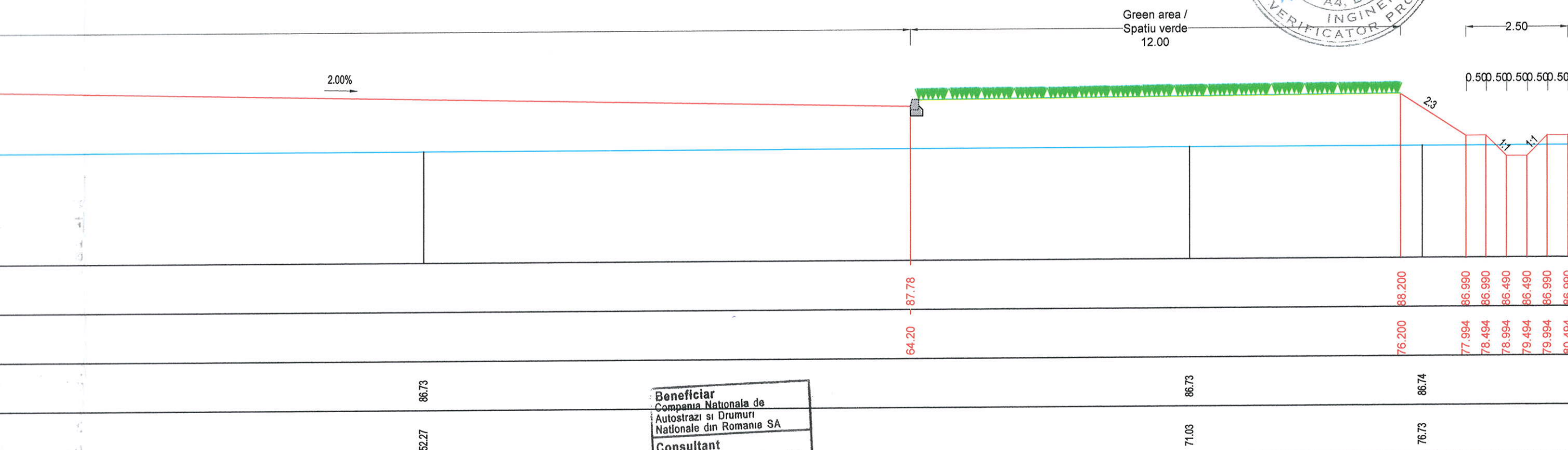
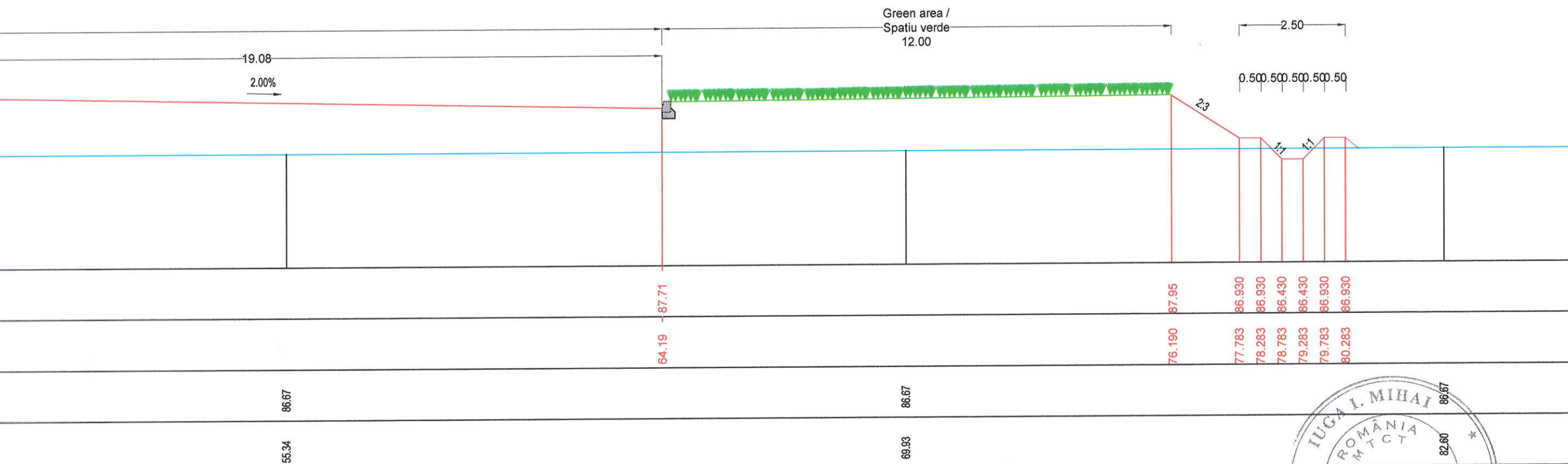
Data: 14.12.2016

Semnatura:

Nr. exemplare: 2

Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr. CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
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		Proiectat	Ing. Florin RUSU	Scara: 1:100	Denumire desen:
		Desenat	Teh. Ionut RADU		PROFILURI TRANSVERSEALE CURENTE - PARCARI DE LUNGA DURATA
		Cod	P C T 0 0 0 5	P R D 1	D E 0 1 P T C 0 0 4 0 0





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Nationale din Romania SA

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SC Septembrie Consulting SRL

Coordonator proiect:
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BUN PENTRU EXECUTIE

Data: 14.12.2016

Semnatura:

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Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr. CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
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		Proiectat	Ing. Florin RUSU		Scara: 1:100
		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 5 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA

Green area/
Spatiu verde
3.75

Guide poles 50m/50m
/ Stalpi de ghidare din
50m/50m

long time parking/
parcare de lunga durata
50.99
Spatiu verde
16.91

15.00
2.00%

13.20
87.89

28.20
88.19

45.11
88.09

18.00
86.67

24.20
86.67

43.72
86.67

any type
New Jersey

Green area/
Spatiu verde
3.75

Guide poles 50m/50m /
Stalpi de ghidare din
50m/50m

long time parking/
parcare de lunga durata
51.00

3.50
0.75
0.90
2.50%
2.50%

2.00%

7.80
8.55
8.87
9.17
9.45
87.97
87.96
86.82
86.82
88.11

13.20
87.96

34.20
84.38

12.05
86.70

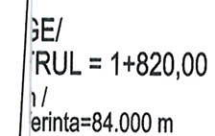
18.00
86.74

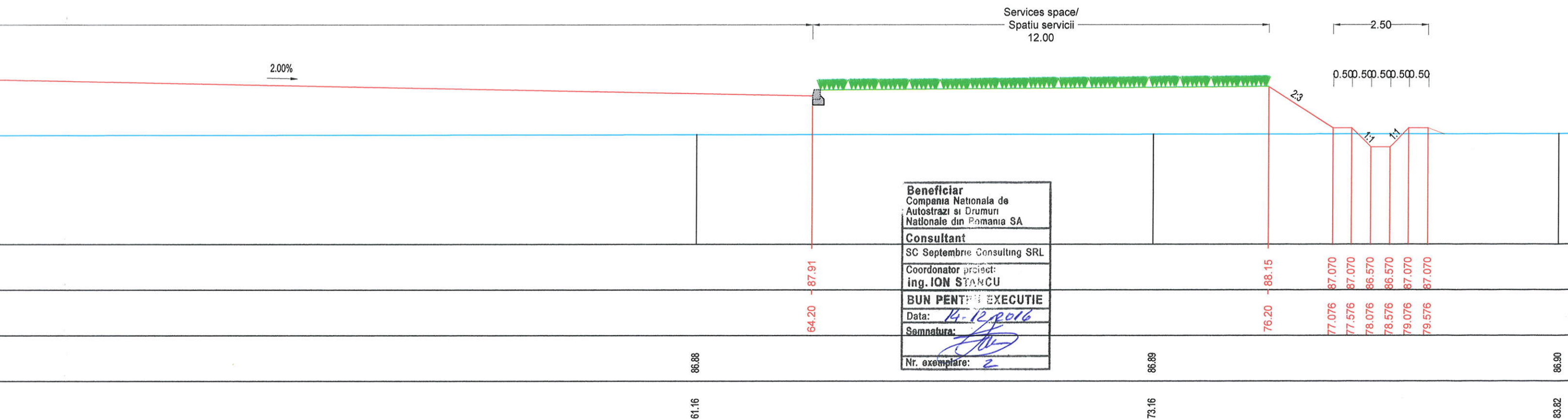
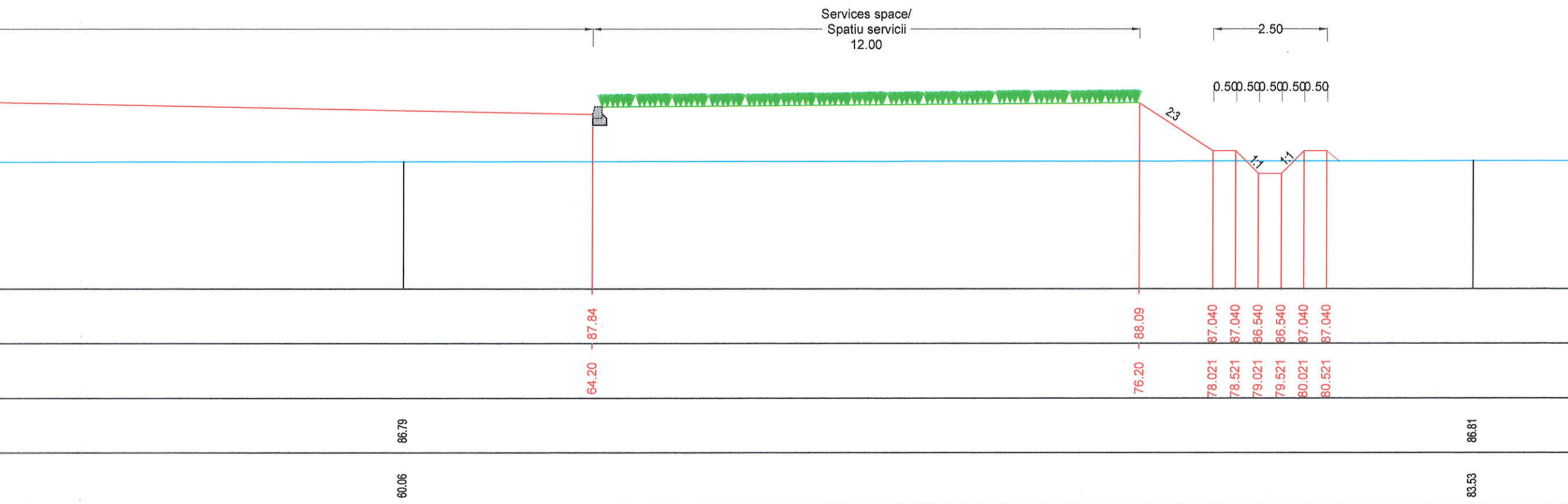
37.21
86.72



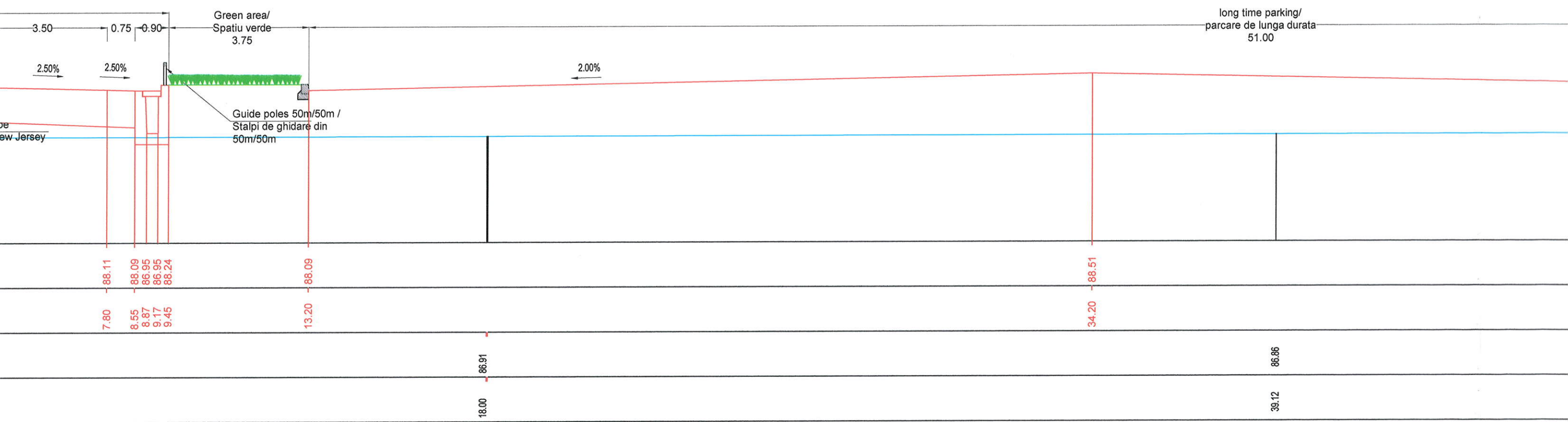
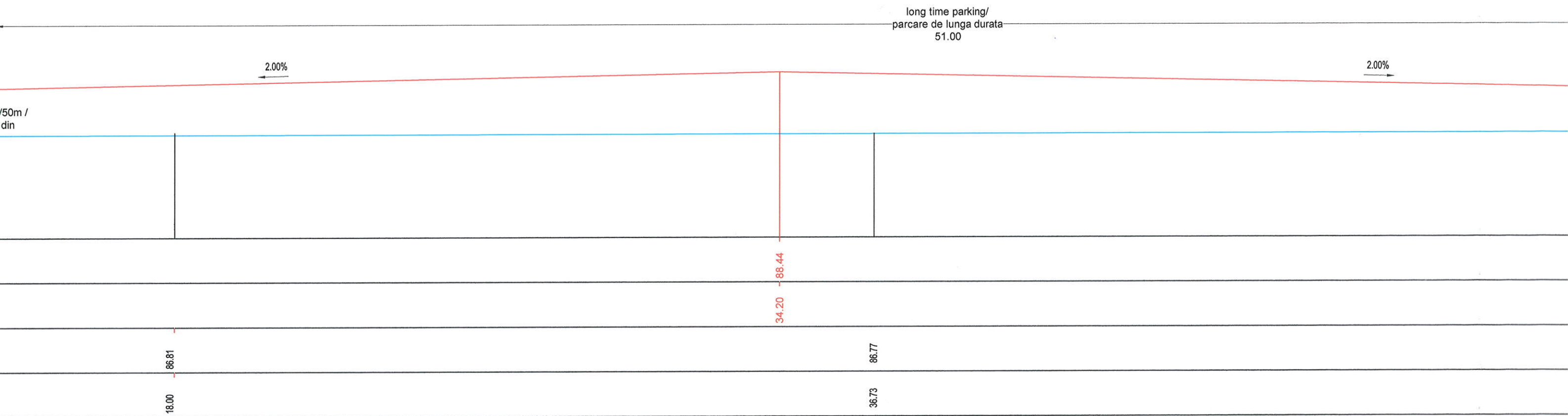
Technical drawing of a road cross-section showing various zones and dimensions. The drawing includes the following elements:

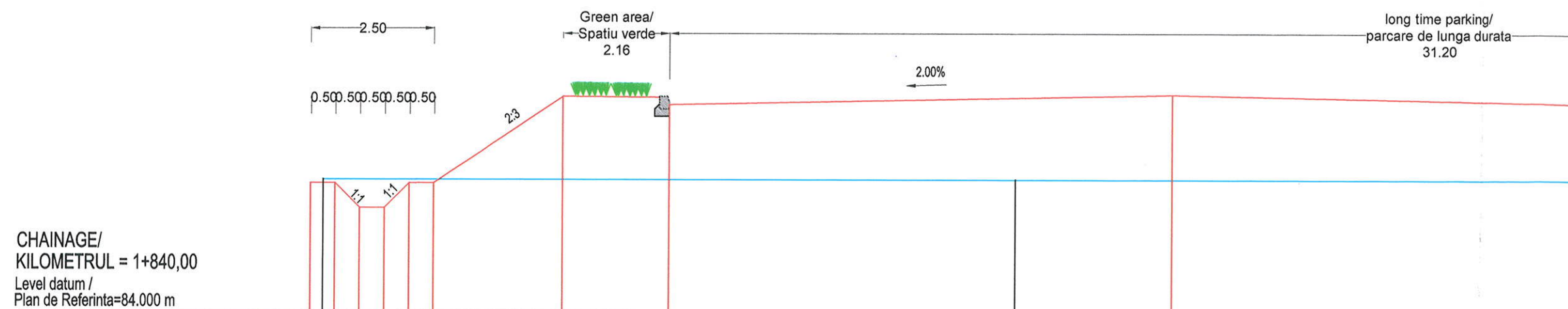
- Dimensions:**
 - Top left: 2.50
 - Top middle: 1.94
 - Top right: 11.69
 - Top right (multiple segments): 0.90, 0.75, 3.50, 3.50, 0.50, 0.60, 0.50, 3.50
 - Bottom left: 0.50, 0.50, 0.50, 0.50, 0.50
 - Bottom right: 18.90
- Labels:**
 - Green area/ Spatiu verde
 - long time parking/ parcare de lunga durata
 - New Jersey guard rail heavy type / parapet de siguranta tip greu New Jersey
- Gradients:**
 - 2.00%
 - 2.50%
 - 2.50%
 - 2.50%
 - 2.50%
 - 2.50%
 - 4.00%
 - 4.00%
- Other features:**
 - A red line indicating a boundary or slope.
 - A blue line indicating a road surface or boundary.
 - A green hatched area representing a grassy or vegetated zone.
 - A red cross symbol at the top right.

[illegible]

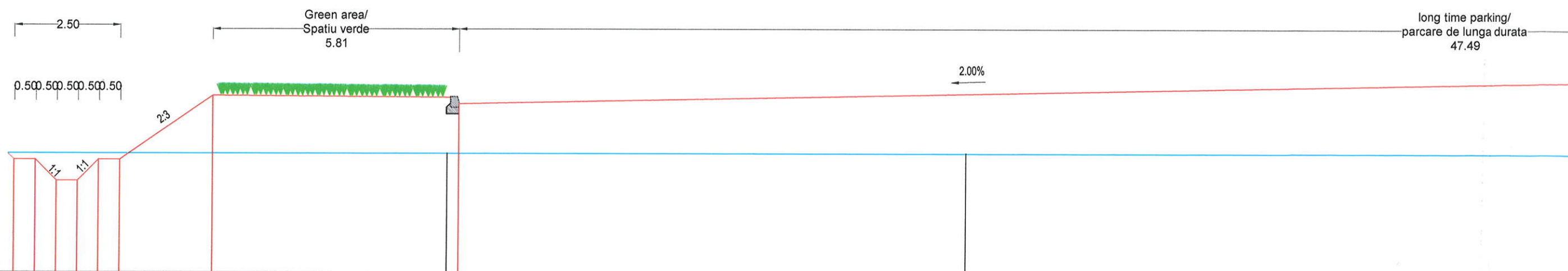


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		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 6 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA

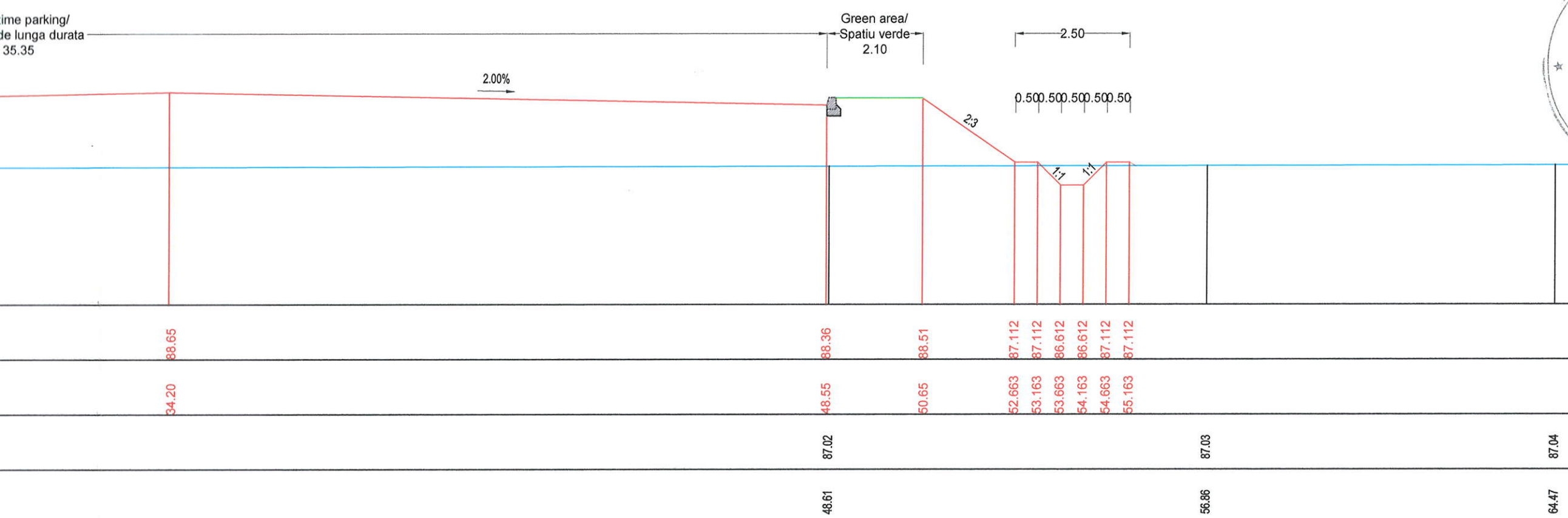
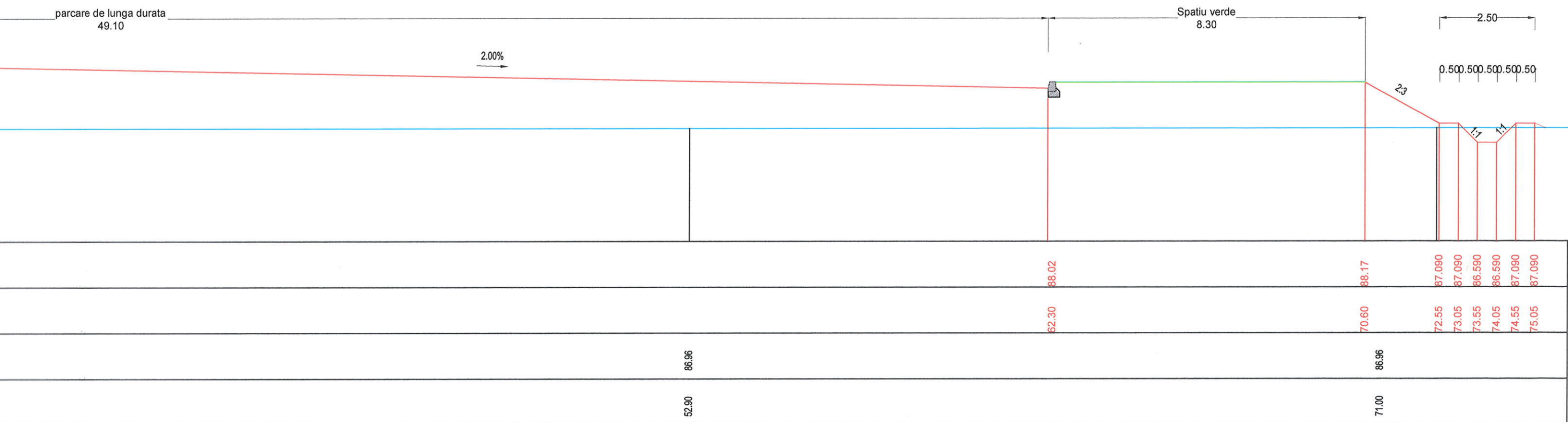




Design levels/ Cote Proiect	86.670	86.670	86.170	86.170	86.670	86.670	88.42	88.26	88.46
Design offsets/ Distanta Proiect	-51.69	-51.19	-50.69	-50.19	-49.69	-49.19	-46.56	-44.40	-34.20
Existing levels/ Cote Teren	86.73							86.73	
Existing offsets/ Distanta Teren	-51.43							-37.39	



Design levels/ Cote Proiect	86.680	86.680	86.180	86.180	86.680	86.680	88.19	88.00	
Design offsets/ Distanta Proiect	-74.177	-70.677	-70.177	-69.677	-69.177	-68.677	-66.55	-60.69	
Existing levels/ Cote Teren							86.82		86.82
Existing offsets/ Distanta Teren							-60.97		-48.70



Beneficiar
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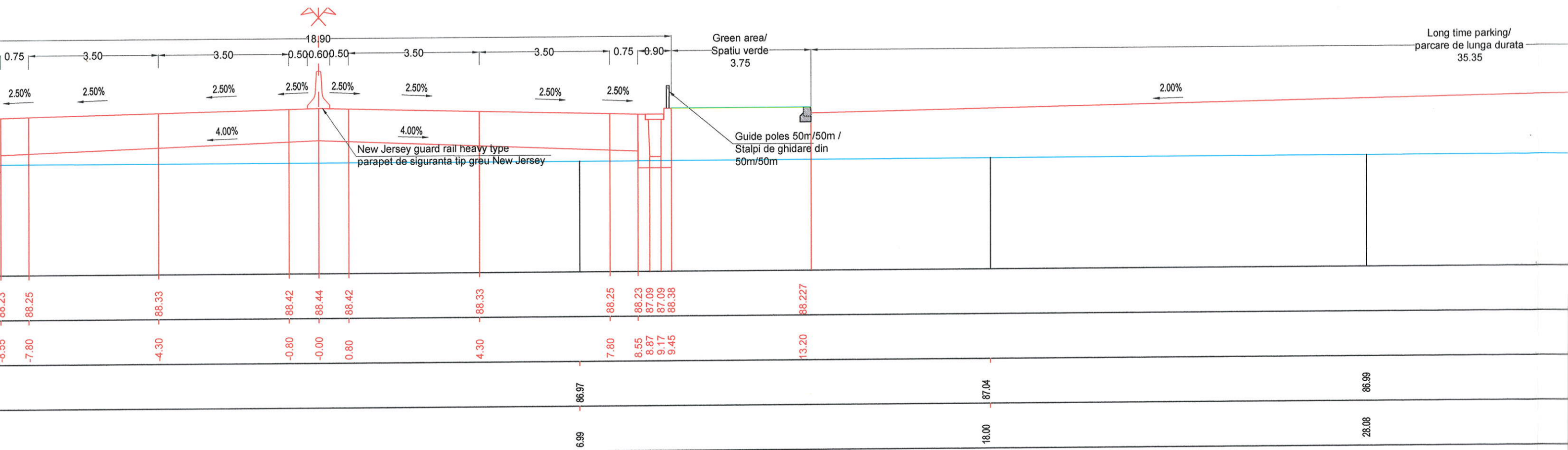
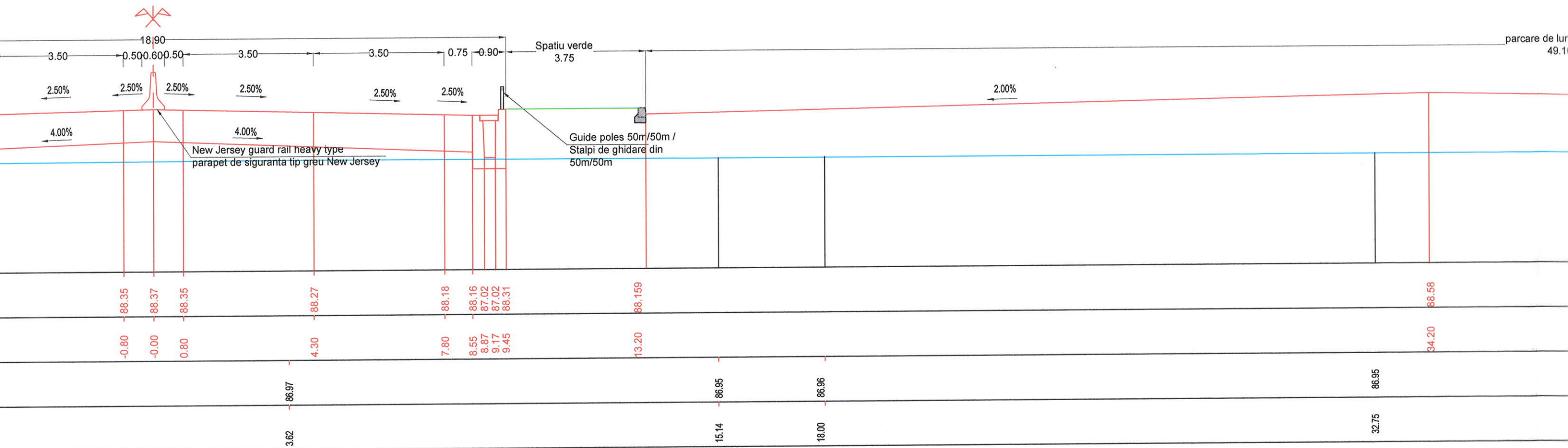
BUN PENTRU EXECUTIE

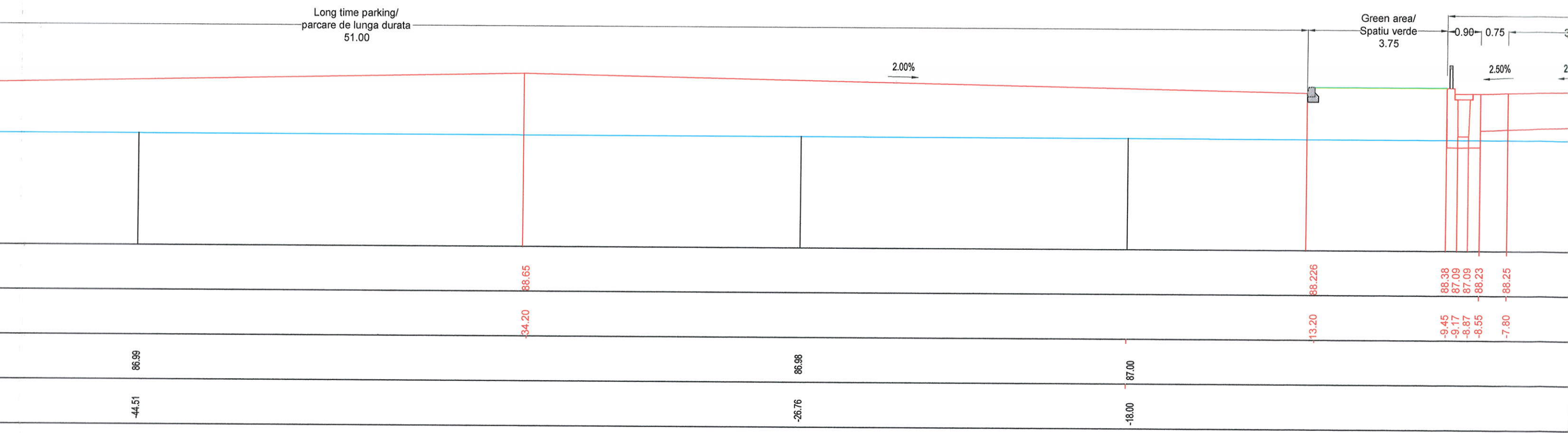
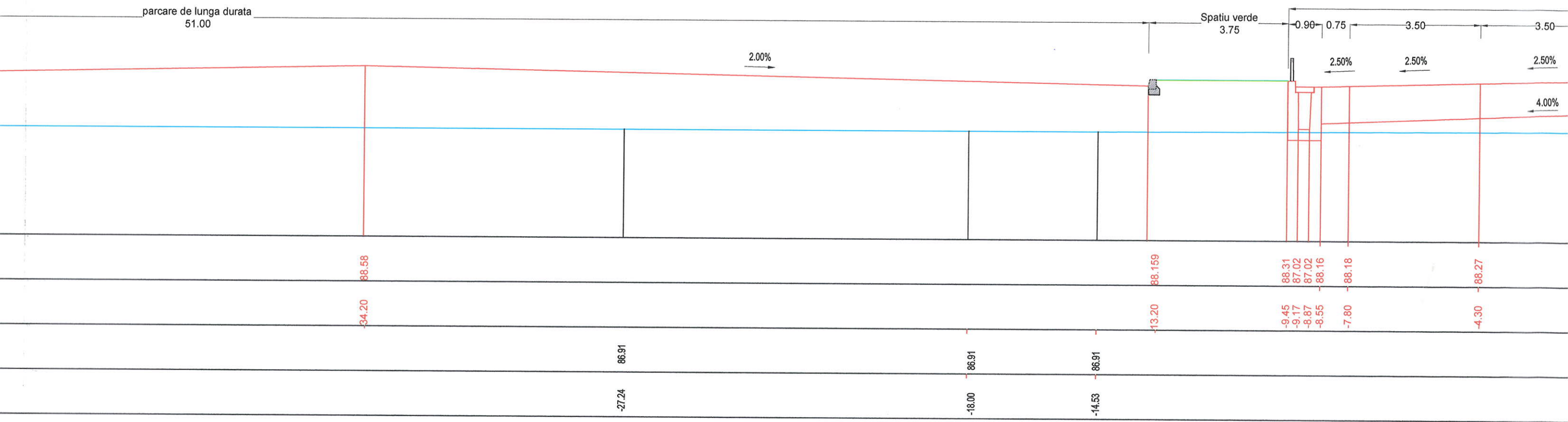
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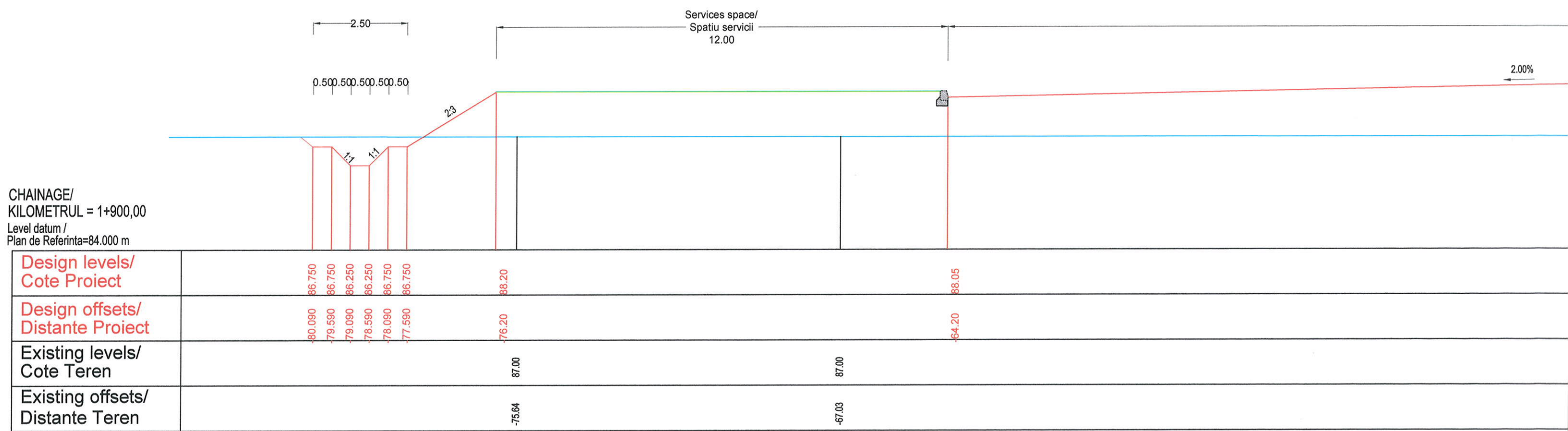
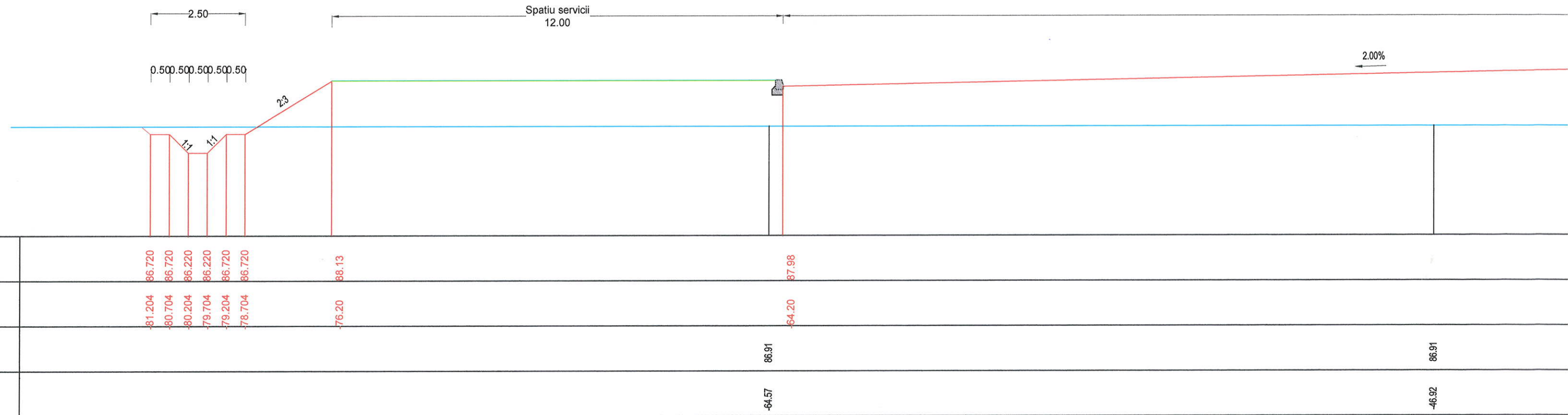
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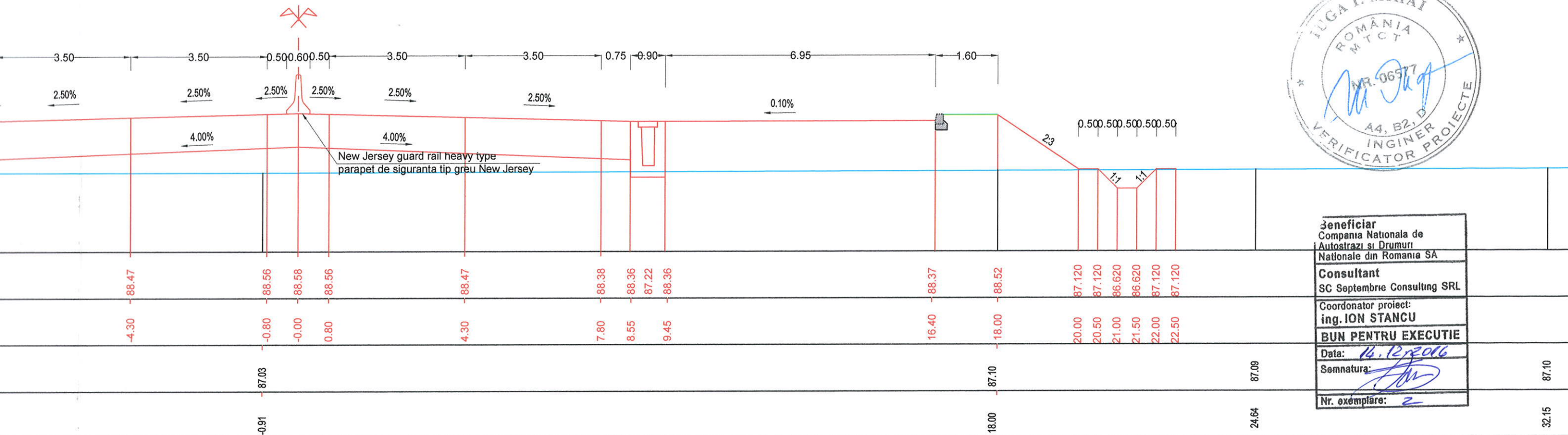
Nr. exemplare: 2

Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr. CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
Antreprenor	COPISA CONSTRUCTORA PIRENAICA	Specificatie	Nume	Semnatura	Denumire Proiect:
Proiectant	SC CONSITRANS SRL	Sef Proiect	Ing. Razvan POSTOACA	[Signature]	CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI
		Proiectat	Ing. Florin RUSU	[Signature]	Scara: 1:100
		Desenat	Teh. Ionut RADU	[Signature]	Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 0 7 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA

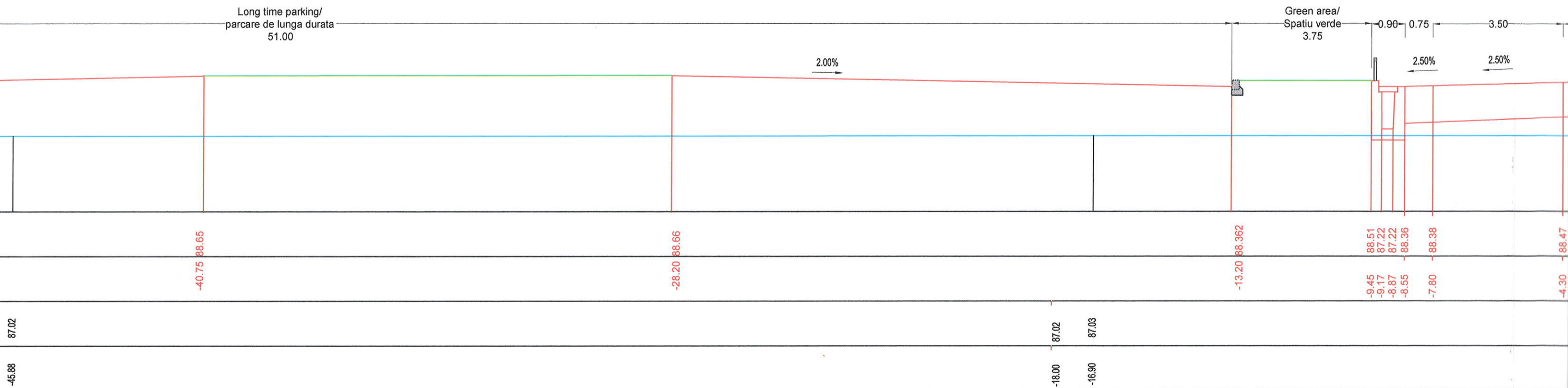
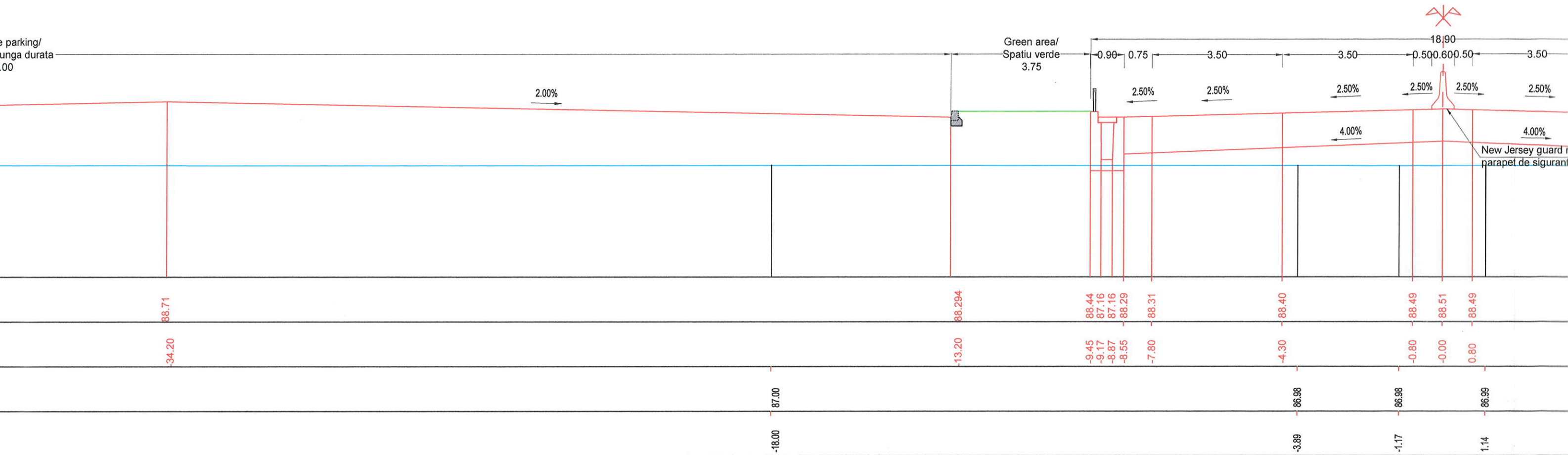


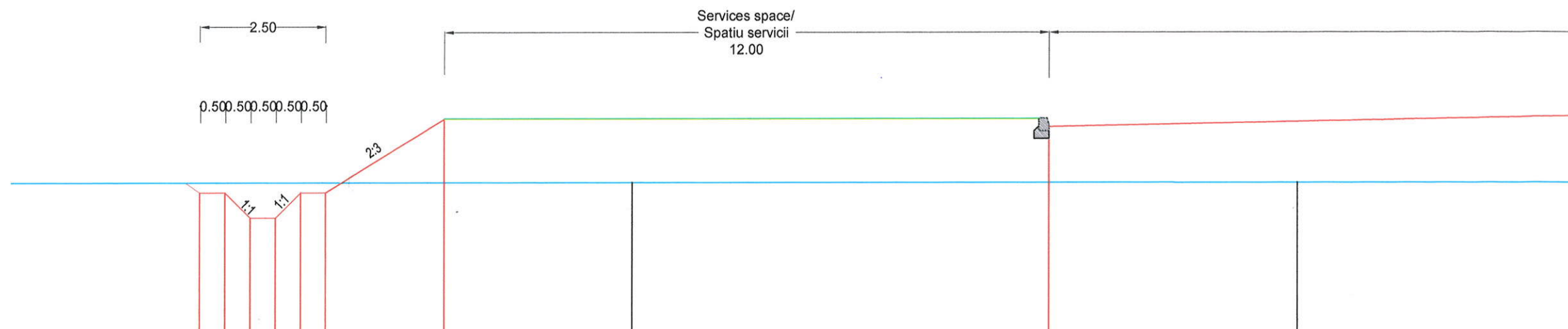




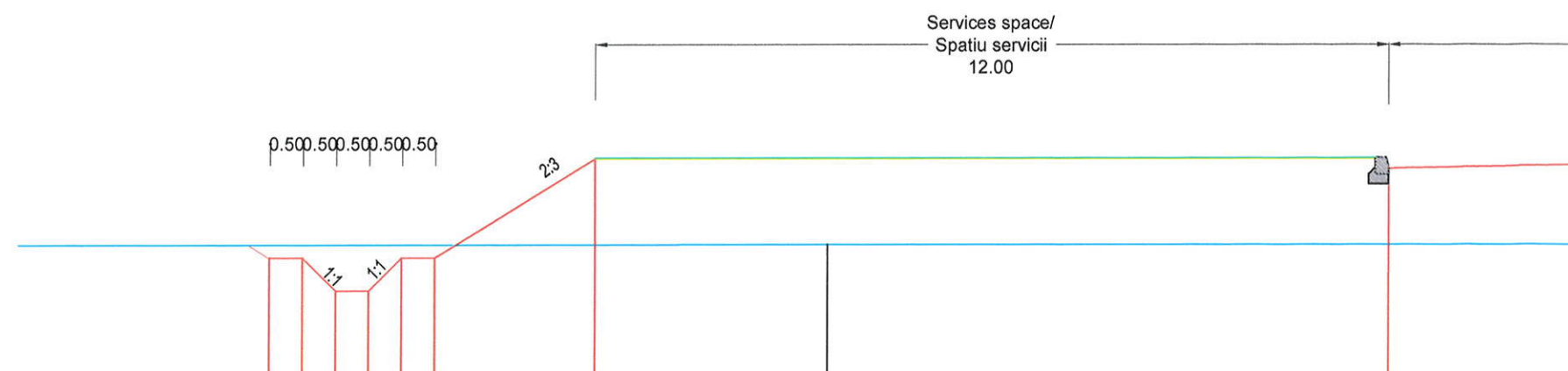


Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr.CN3412-0011/16				Proiect nr. 0005				Data: 2016		Faza: DE													
		Specificatie	Nume				Semnatura				Denumire Proiect:														
Antreprenor	COPISA CONSTRUCTORA PIRENAICA	Sef Proiect	Ing. Razvan POSTOACA								CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI														
		Proiectat	Ing. Florin RUSU								Scara: 1:100		Denumire desen:												
Proiectant	SC CONSITRANS SRL	Desenat	Teh. Ionut RADU								PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA														
		Cod	P	C	T	0	0	0	5	P	R	D	1	D	E	0	1	P	T	C	0	0	8	0	0





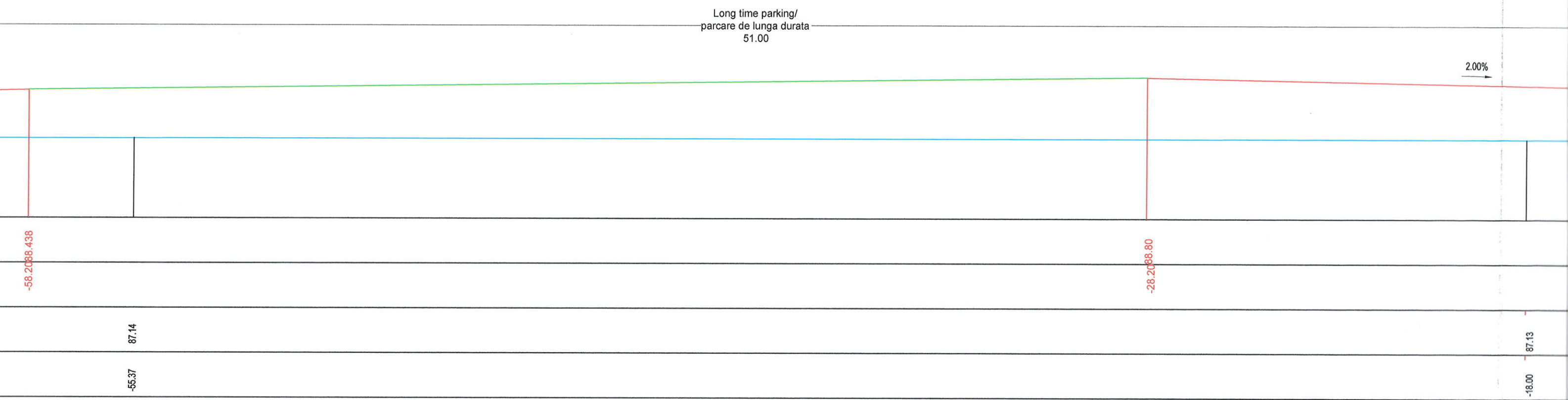
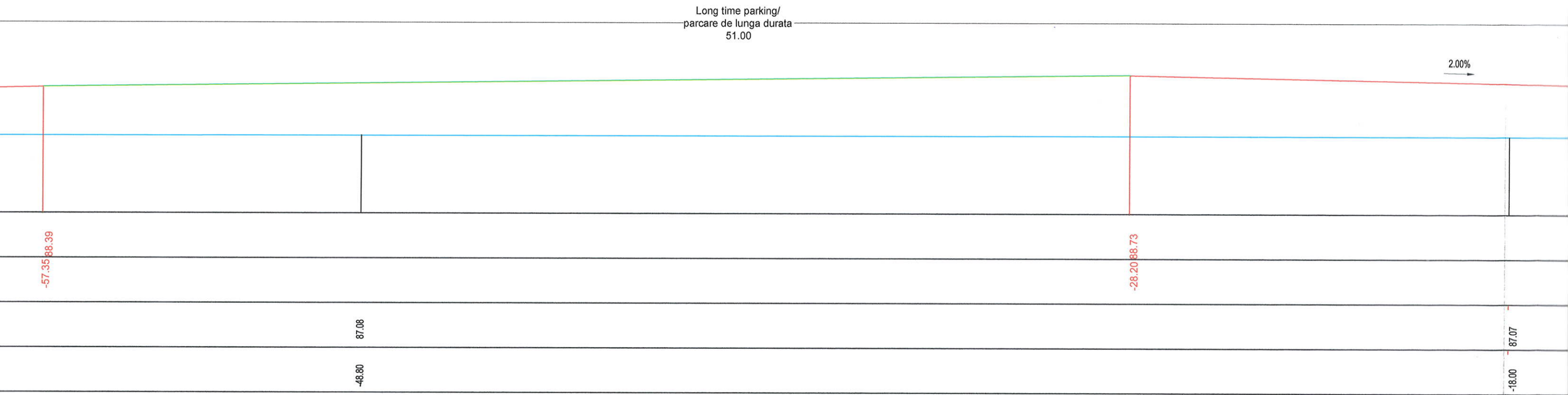
CHAINAGE/
KILOMETRUL = 1+940,00
Level datum /
Plan de Referinta=85.000 m

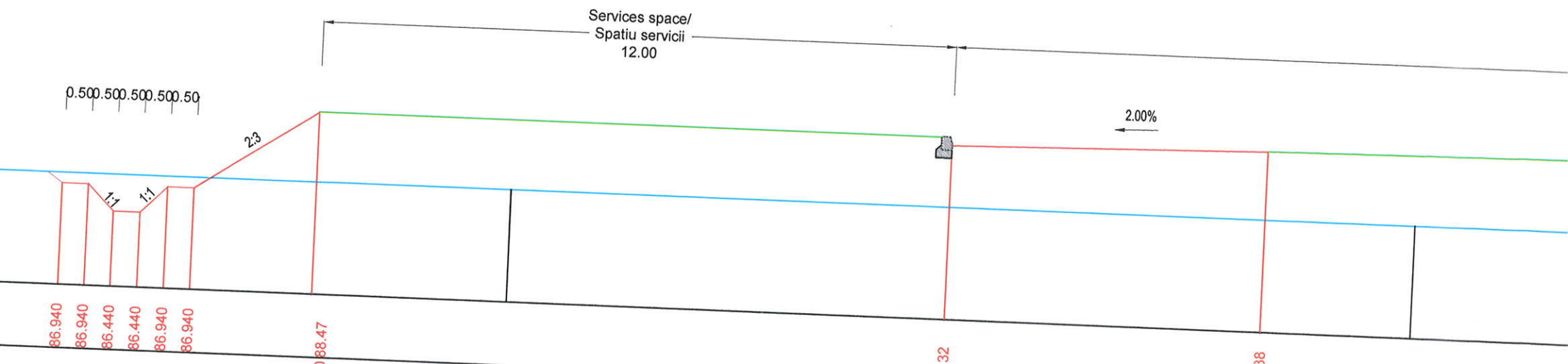
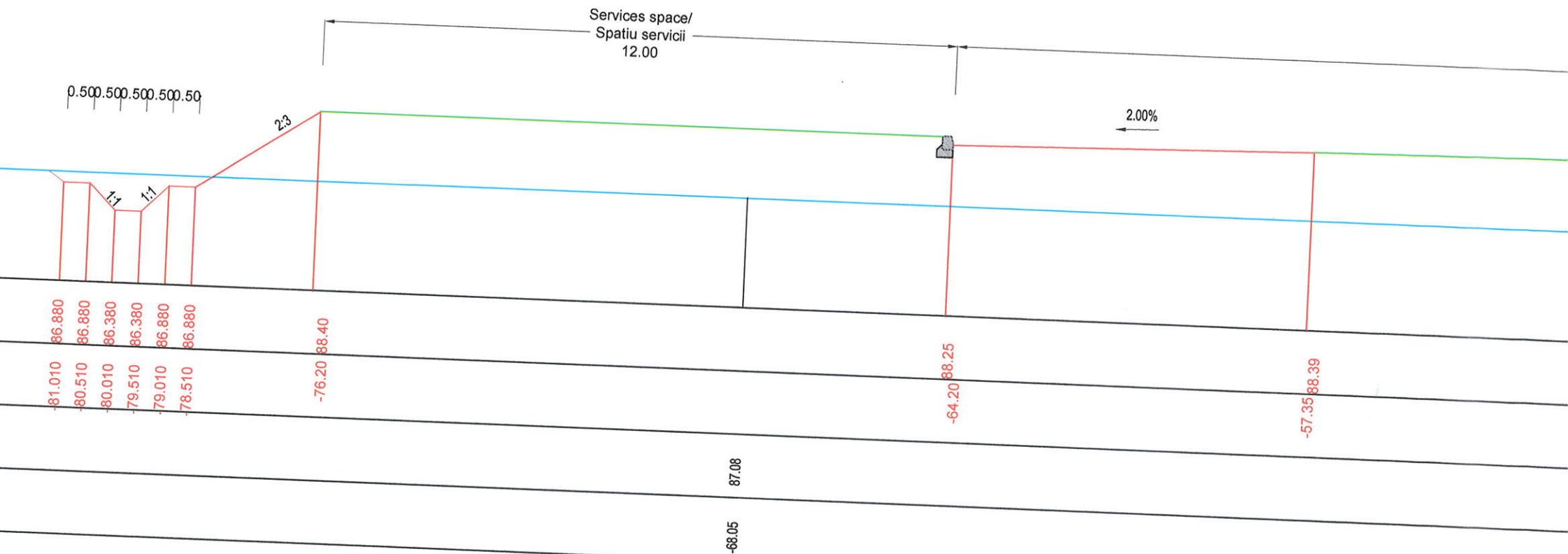


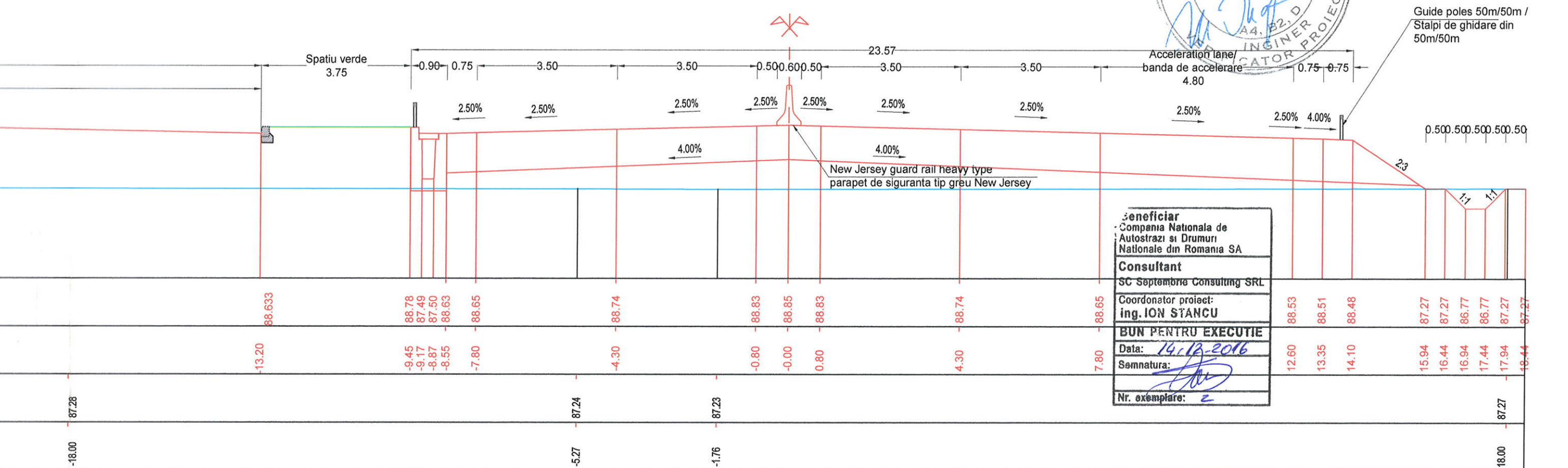
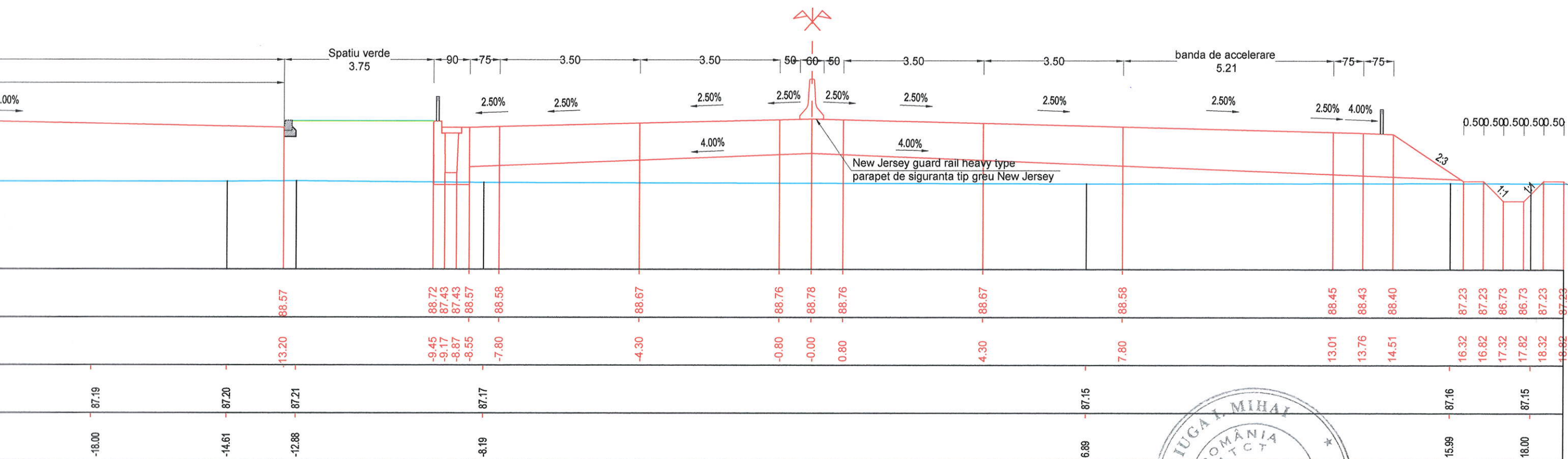
Design levels/ Cote Project	86.840	86.840	86.840	86.340	86.340	86.840	86.840	88.33	88.18
Design offsets/ Distant Project	-81.330	-80.830	-80.330	-79.830	-79.330	-78.830	-76.20	-64.20	-64.20
Existing levels/ Cote Teren	87.02								
Existing offsets/ Distant Teren	-72.69								



Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII 	Contract nr.CN3412-0011/16				Proiect nr. 0005				Data: 2016				Faza: DE									
Antreprenor	COPISA CONSTRUCTORA PIREAICA 	Specificatie	Nume				Semnatura				Denumire Proiect: CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI												
		Sef Proiect	Ing. Razvan POSTOACA																				
Proiectant	SC CONSITRANS SRL 	Proiectat	Ing. Florin RUSU								Scara: 1:100		Denumire desen: PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA										
		Desenat	Teh. Ionut RADU																				
		Cod	P	C	T	0	0	0	5	P	R	D	1	D	E	0	1	P	T	C	0	0	9

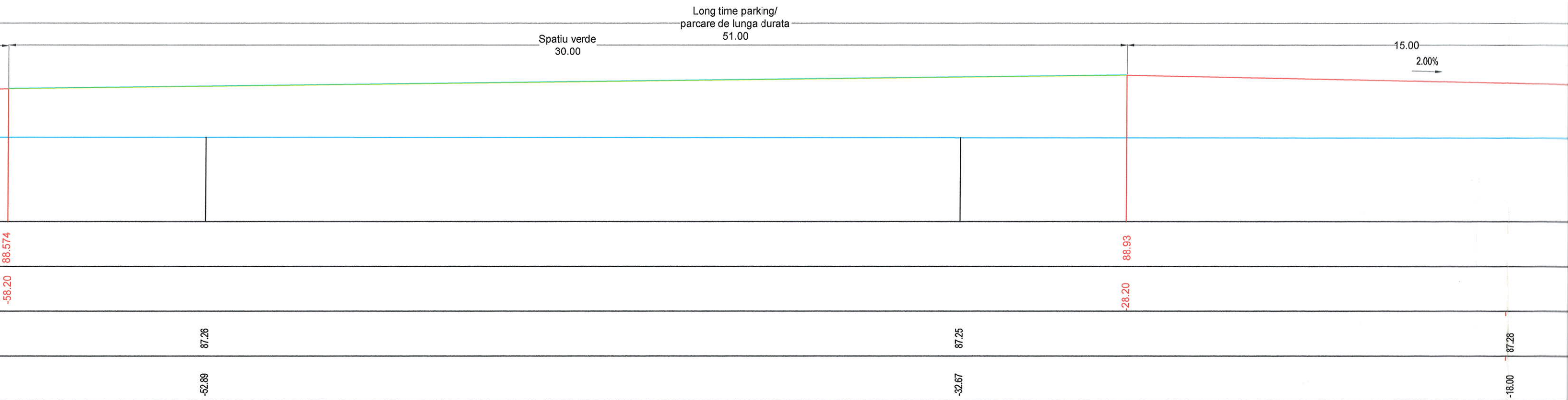
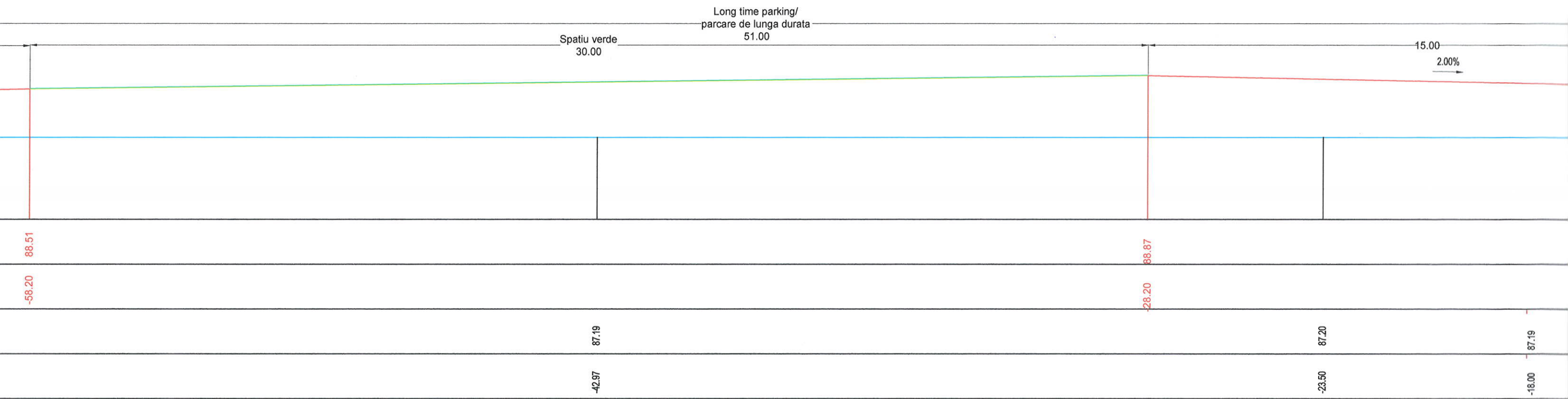


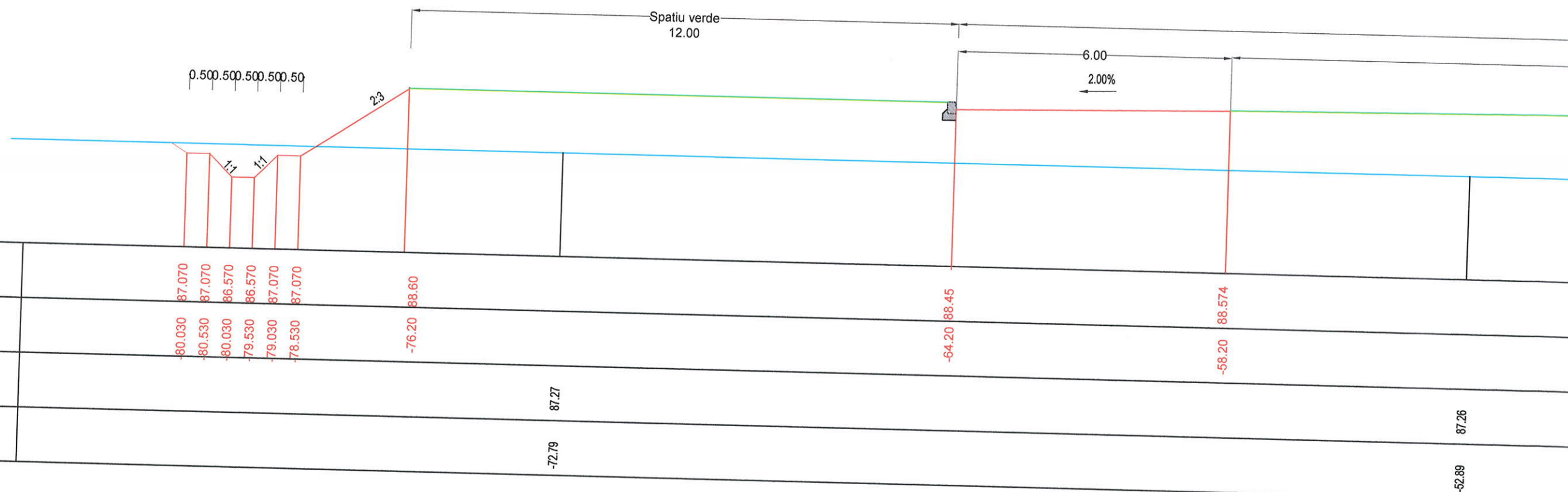
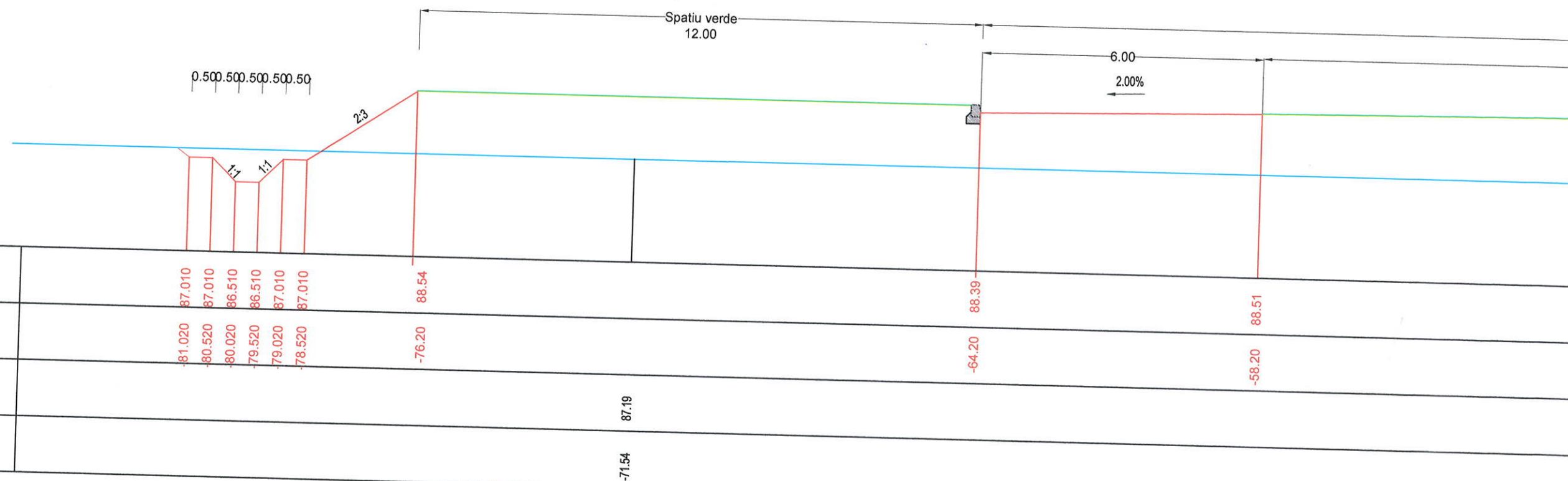


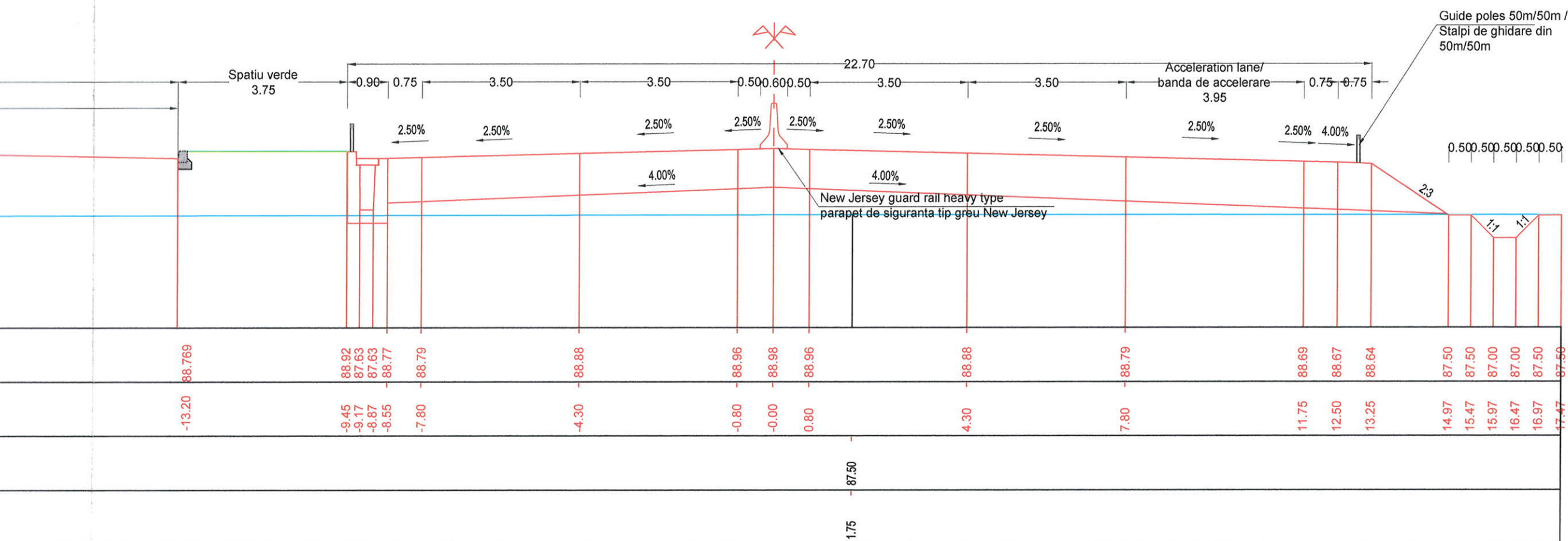
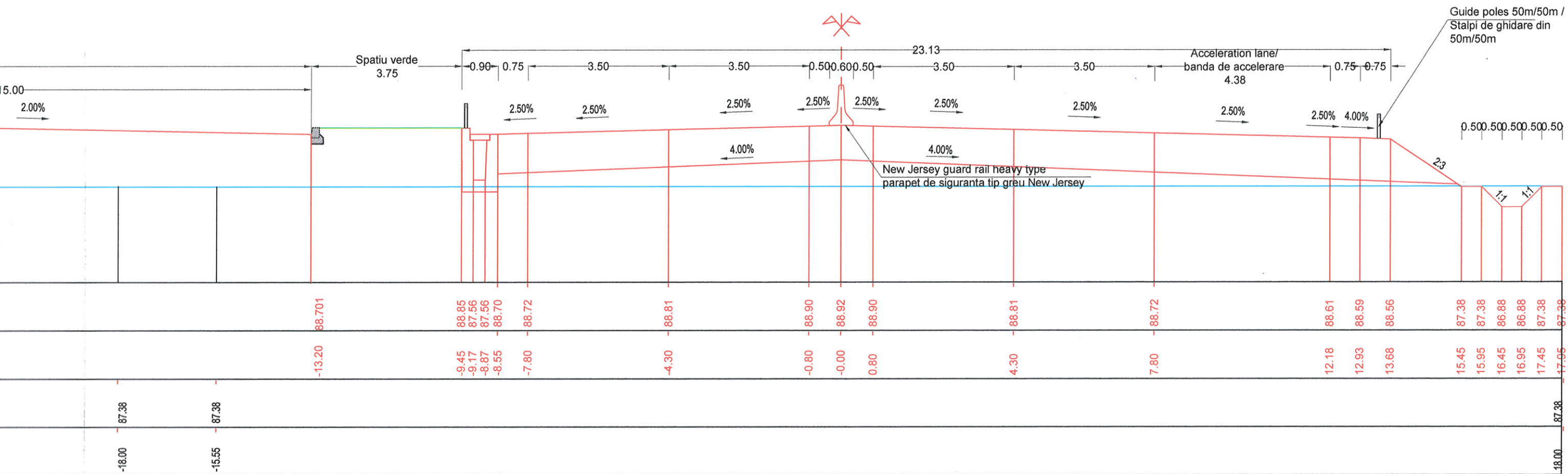


Beneficiar	
Compania Nationala de Autostrazi si Drumuri Nationale din Romania SA	
Consultant	
SC Septembrie Consulting SRL	
Coordonator proiect: ing. ION STANCU	
BUN PENTRU EXECUTIE	
Data: 14.12.2016	
Semnatura:	
Nr. exemplare: 2	

Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr. CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
Antreprenor	COPIA CONSTRUCTORA PIRENAICA	Specificatie	Nume	Semnatura	Denumire Proiect:
		Sef Proiect	Ing. Razvan POSTOACA		CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI
Proiectant	SC CONSITRANS SRL	Proiectat	Ing. Florin RUSU		Scara: 1:100
		Desenat	Teh. Ionut RADU		Denumire desen:
		Cod	P C T 0 0 0 5 P R D 1 D E 0 1 P T C 0 1 0 0 0		PROFILURI TRANSVERSALE CURENTE - PARCARI DE LUNGA DURATA







Beneficiar
Compania Nationala de
Autostrazi si Drumuri
Nationale din Romania SA

Consultant
SC Septembrie Consulting SRL

Coordonator proiect:
ing. ION STANCU

BUN PENTRU EXECUTIE
Data: 14.12.2016
Semnatura: [Signature]
Nr. exemplare: 2

Beneficiar	COMPANIA NATIONALA DE ADMINISTRARE A INFRASTRUCTURII	Contract nr.CN3412-0011/16	Proiect nr. 0005	Data: 2016	Faza: DE
Antreprenor	COPISA CONSTRUCTORA PIRENAICA	Specificatie	Nume	Semnatura	Denumire Proiect:
Proiectant	SC CONSITRANS SRL	Sef Proiect	Ing. Razvan POSTOACA	[Signature]	CONSTRUCTIA VARIANTEI DE OCOLIRE MIHAILESTI
		Proiectat	Ing. Florin RUSU	[Signature]	Scara: 1:100
		Desenat	Teh. Ionut RADU	[Signature]	Denumire desen:
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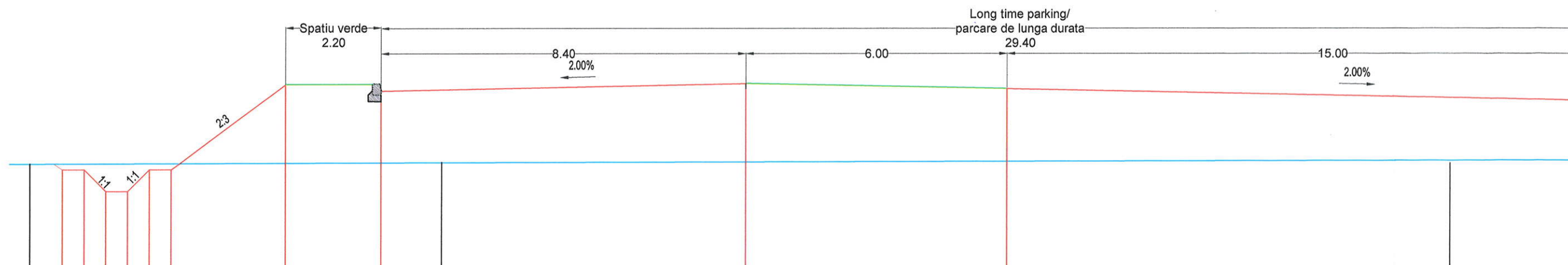
CHAINAGE/
KILOMETRUL = 2+040,00
Level datum /
Plan de Referinta=85.000 m

Design levels/ Cote Proiect	87.140	87.140	86.640	86.640	87.140	87.140	88.67	88.52	88.64
Design offsets/ Distanta Proiect	-81.030	-80.530	-80.030	-79.530	-79.030	-78.530	-76.20	-64.20	-58.20
Existing levels/ Cote Teren							87.38		
Existing offsets/ Distanta Teren							-73.84		

CHAINAGE/
KILOMETRUL = 2+060,00
Level datum /
Plan de Referinta=85.000 m

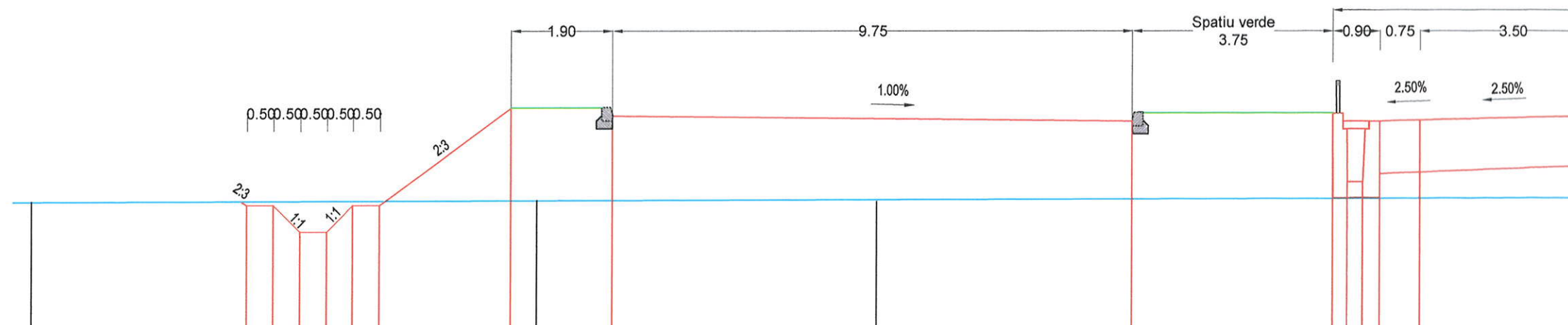
Design levels/ Cote Proiect	87.250	87.250	86.750	86.750	87.250	87.250	88.84	88.69	88.815
Design offsets/ Distanta Proiect	-70.189	-69.689	-69.189	-68.689	-68.189	-67.689	-65.35	-59.95	-53.05
Existing levels/ Cote Teren						87.42		87.43	
Existing offsets/ Distanta Teren						-67.45		-62.42	

CHAINAGE/
KILOMETRUL = 2+080,00
Level datum /
Plan de Referinta=85.000 m



Design levels/ Cote Proiect	87.290	87.290	86.790	86.790	87.290	87.290	89.24	89.086	89.26	89.13
Design offsets/ Distanta Proiect	-49.924	-49.424	-48.924	-48.424	-47.924	-47.424	-44.80	-42.60	-34.20	-28.20
Existing levels/ Cote Teren	87.41						87.43			87.41
Existing offsets/ Distanta Teren	-50.67						-41.21			-18.00

CHAINAGE/
KILOMETRUL = 2+100,00
Level datum /
Plan de Referinta=85.000 m



Design levels/ Cote Proiect	87.330	87.330	86.830	86.830	87.330	87.330	89.15	88.999	88.904	89.05	87.77	87.77	88.91	88.92
Design offsets/ Distanta Proiect	-29.822	-29.322	-28.822	-28.322	-27.822	-27.322	-24.85	-22.95	-13.20	-9.45	-9.17	-8.87	-8.55	-7.80
Existing levels/ Cote Teren	87.38						87.41		87.38					
Existing offsets/ Distanta Teren	-33.86						-24.36		-18.00					