

**Republic of Moldova  
Ministry of Transport and Road Infrastructure  
State Road Administration**

**European Bank for Reconstruction and Development**

**Road Sector Program Support Project**

**Rehabilitation of M2 Chisinau – Soroca Road, km  
26+200 – km 54+850**

**VOLUME 3**

**DRAWINGS**

**ICB: RSPSP/2010/ICB02**

Invitation for Bids no **RSPSP/2010/ICB02/W02**

Chisinau, 2010

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**Lista Planșelor**

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<b>Road</b>		
<b>DA - Drum auto</b>		
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4.	Plan drum PC 279+25 - PC 286+85	Road plan PC 279+25 - PC 286+85
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21.	Plan drum PC 431+35 - PC 437+00	Road plan PC 431+35 - PC 437+00
22.	Plan drum PC 437+00 - PC 444+63	Road plan PC 437+00 - PC 444+63
23.	Plan drum PC 444+63 - PC 452+09	Road plan PC 444+63 - PC 452+09
24.	Plan drum PC 452+09 - PC 459+65	Road plan PC 452+09 - PC 459+65
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32.	Plan drum PC 524+52 - PC 532+28	Road plan PC 524+52 - PC 532+28
33.	Plan drum PC 532+28 - PC 539+91	Road plan PC 532+28 - PC 539+91
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38.	Profil Longitudinal: PC 299+50 - PC 315+00	Longitudinal Profile: PC 299+50 - PC 315+00
39.	Profil Longitudinal: PC 315+00 - PC 330+50	Longitudinal Profile: PC 315+00 - PC 330+50
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84.	Podete existente tip PC 435+82 – 2.5x2.5	Existing typical culverts PC435+82-2.5x2.5
85.	Podete existente tip	Existing typical culverts
86.	Podete existente tip	Existing typical culverts
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88.	Podete existente tip	Existing typical culverts
89.	Santuri laterale tip $i < 5\%$	Typical lined side drain $i < 5\%$
90.	Santuri laterale tip $i > 5\%$	Typical lined side drain $i > 5\%$
91.	Constructia casiului pe acostament	Drainage chutes
92.	Camin de disipare pentru casiuri	Construction of the dissipator chutes
93.	Drum lateral tip	Typical side road
94.	Acces in curte	Entrance to properties
95.	Planul organizarii circulatiei rutiere PC 262+00 - PC 266+50	Plan of Road traffic management PC 262+00 - PC 266+50
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100.	Planul organizarii circulatiei rutiere PC 304+00 - PC 311+00	Plan of Road traffic management PC 304+00 - PC 311+00
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106.	Planul organizarii circulatiei rutiere PC 349+50 - PC 356+50	Plan of Road traffic management PC 349+50 - PC 356+50
107.	Planul organizarii circulatiei rutiere PC 356+50 - PC 363+50	Plan of Road traffic management PC 356+50 - PC 363+50
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115.	Planul organizarii circulatiei rutiere PC 411+50 - PC 418+50	Plan of Road traffic management PC 411+50 - PC 418+50
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118.	Planul organizarii circulatiei rutiere PC 431+50 - PC 437+00	Plan of Road traffic management PC 431+50 - PC 437+00
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123.	Planul organizarii circulatiei rutiere PC 462+00 – PC 469+00	Plan of Road traffic management PC 462+00 – PC 469+00
124.	Planul organizarii circulatiei rutiere PC 469+00 – PC 476+00	Plan of Road traffic management PC 469+00 – PC 476+00
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129.	Planul organizarii circulatiei rutiere PC 508+00 – PC 515+00	Plan of Road traffic management PC 508+00 – PC 515+00
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133.	Planul organizarii circulatiei rutiere PC 535+00 – PC 542+00	Plan of Road traffic management PC 535+00 – PC 542+00
134.	Planul organizarii circulatiei rutiere PC 542+00 – PC 552+50	Plan of Road traffic management PC 542+00 – PC 552+50

135.	Semnalizare rutiera provizorie	Temporary road work signs
136.	Semnalizare rutiera provizorie	Temporary road work signs
137.	Semnalizare rutiera provizorie	Temporary road work signs
138.	Parapet metalic	Safety barrier for gantries
139.	Suport de instalatie a indicatoarelor rutiere	Supports for signs installed
140.	Indicator rutier individual 5.44.1	Nonstandard road signs 5.44.1
141.	Indicator rutier individual 5.44.2	Nonstandard road signs 5.44.2
142.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
143.	Indicator rutier individual 5.49;5.50	Nonstandard road signs 5.49;5.50
144.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
145.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
146.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
147.	Indicator rutier individual 5.53	Nonstandard road signs 5.53
148.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
149.	Indicator rutier individual 5.47.2	Nonstandard road signs 5.47.2
Bridges P -Poduri		
150.	Pod.Km 27+372	Bridge.Km 27+372
151.	Pod.Km 34+588	Bridge.Km 34+588
152.	Pod.Km 36+164	Bridge.Km 36+164
153.	Pod.Km 43+225	Bridge.Km 43+225
154.	Pod.Km 44+335	Bridge.Km 44+335
155.	Pod.Km 45+286	Bridge.Km 45+286
156.	Pod.Km 48+755	Bridge.Km 48+755
157.	Pod.Km 53+563	Bridge.Km 53+563
158.	Rost de dilatație cu element de acoperire elastomerică	Expansion joint with elastomer element
159.	Scara de serviciu pe taluz	Access stairs on the slope
160.	Rost de dilatație	Expansion joints
161.	Dispozitiv pentru evacuarea apei	Chutes
162.	Trotuar din beton armat cu lățimea de 0,75m	RC walkway 0.75m wide
163.	Soclu parapeților de siguranță a circulației vehiculelor	Stab foundation of guardrail
164.	Aripa zidului de gardă din beton armat pe rigla culeei, lungimea 2 m	RC wing wall the abutment collar beam 2,0 m long
165.	Piese înglobate PÎ-1, PÎ-2, PÎ-3.	Embedded base plates PÎ-1, PÎ-2, PÎ-3
166.	Parapeți metalici pietonali	Pedestrian parapets.
167.	Parapeți metalici de siguranță a circulației vehiculelor	Bridge guardrails.Guardrail posts
168.	Parapeți metalici de siguranță a circulației vehiculelor.Stâlpii parapeților CMIQ*,CД-3*	Bridge guardrails.Guardrail posts
169.	Parapeți metalici de siguranță a circulației vehiculelor.Elemente de fixare a țevii.	Bridge guardrails.Pipe brackets
170.	Hidroizolarea suprastructurii și îmbrăcămintea rutieră	Waterproofing to bridge deck and asphalt
171.	Consolidarea conurilor și a taluzurilor cu beton armat	Protection of the semicone slopes

SCHEDULE OF BASIC SETS OF DRAWINGS  
BORDEROUL SETURLOR DE BAZA A DESENELOR

Index Marcarea	Title Denumirea	Note Nota
-DA	Road. Drumuri Auto	
-P	Bridges. Poduri	

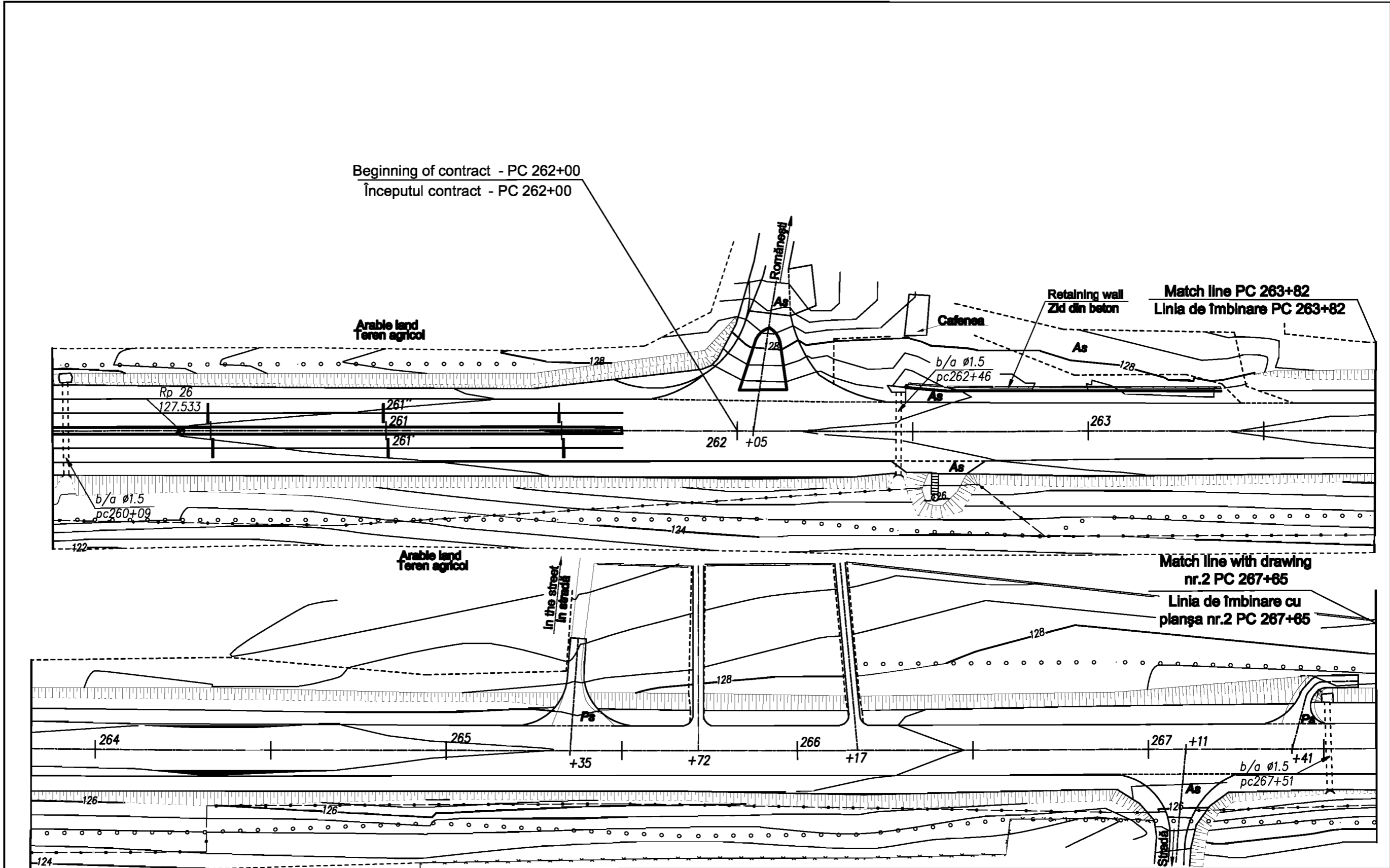
SCHEDULE OF BASIC SETS OF DRAWINGS FOR ROADS  
BORDEROUL DESENELOR SETULUI -DA

Item No Nr.d/o	Name Denumirea	Index Marcarea	Drawings Planse	Note Nota
1	General data Date generale	DG-DA	1	
2	Road plan Plan drum	PD-DA	1-33	
3	Longitudinal profile Profil longitudinal	PL-DA	1-21	
4	Typical cross sections Profile transversale tip	PTT-DA	1-6	
5	Cross sections of earthwork Profile transversale terasamente	PT-DA	1-20	
6	Existing typical culverts Podete existente tip	PET-DA	1-7	
7	Typical lined side drain 1;2 i<5% Santuri laterale tip 1;2 i<5%	SLT-DA	1	
8	Typical lined side drain i>5% Santuri laterale tip i>5%	SLT-DA	1	
9	Drainage chutes Constructia casiului pe acostament	CCA-DA	1	
10	Construction of the dissipator chute Camin de disipare pentru casiuri	CDC-DA	1	
11	Typical side road Drum lateral tip	DLT-DA	1	
12	Entrance to properties Acces in curti	AC-DA	1	
13	Plan of road traffic management Planul organizarii circulatiei rutiere	POCR-DA	1-40	
14	Temporary road work signs Semnalizare rutiera provizorie	SRP-DA	1-3	
15	Safety barrier for gantries Parapet metalic	PM-DA	1	
16	Supports for signs installed Suport de instalare a indicatoarelor rutiere	SIIR-DA	1	
17	Nonstandart road signs Indicator rutier individual	IRI-DA	1-10	

SCHEDULE OF BASIC SETS OF DRAWINGS FOR BRIDGES  
BORDEROUL DESENELOR SETULUI -P

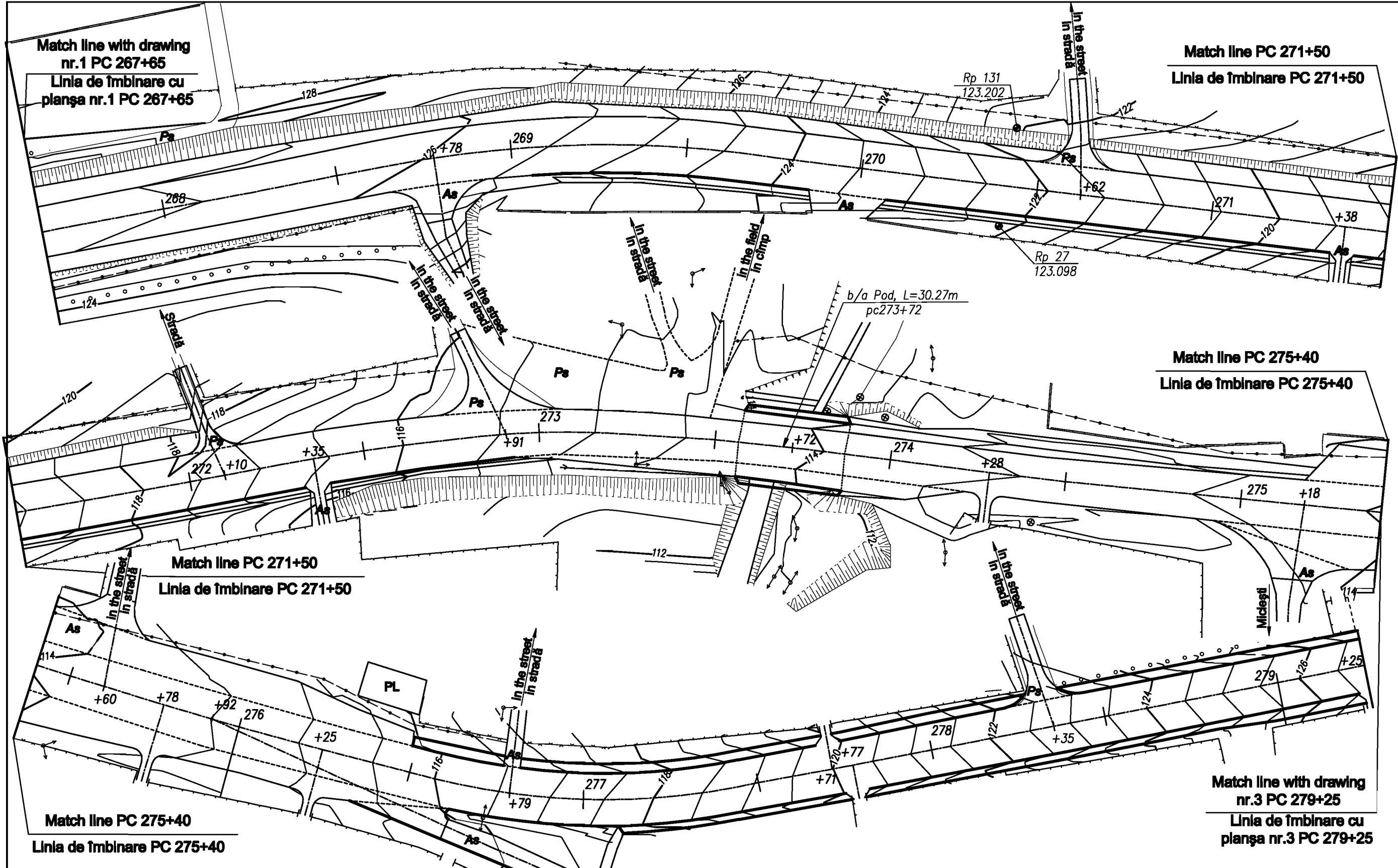
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1	Bridge. Pod	P-P	1-8	
2	Expansion joint with elastomer element Rost de dilatatie cu element de acoperire elastomerică	RD-P	1	
3	Access stairs on the slope Scara de serviciu pe taluz	SS-P	1	
4	Expansion joints Rost de dilatatie	RD-P	1	
5	Chutes Dispozitiv pentru evacuarea apei	DE-P	1	
6	RC walkway 0.75m wide Trotuar din beton armat cu latimea de 0,75 m	TB-P	1	
7	Stab foundation of guardrail Soclul parapetilor de siguranta a circulatiei vehiculilor	SP-P	1	
8	RC wing wall on the abutment collar beam, 2m long Aripa zidului de garda din beton armat pe rigla culeei, lungimea 2,0 m.	AZ-P	1	
9	Embedded base plates Piese înglobate Pl-1, Pl-2, Pl-3	PI-P	1	
10	Pedestrian parapets Parapeti metalici pietonali	PMP-P	1	
11	Bridge guardrails. Guardrail posts Parapeti metalici de siguranta a circulatiei vehiculelor	PMS-P	1	
12	Bridge guardrails. Guardrail posts Parapeti metalici de siguranta a circulatiei vehiculelor Stilpii parapetilor CML*, CД-3*	PMS-P	1	
13	Bridge guardrails. Pipe brackets Parapeti metalici de siguranta a circulatiei vehiculelor Element de fixare a tevi	PMS-P	1	
14	Waterproofing to bridge deck and asphalt Hidroizolarea suprastructurii si îmbracamintea rutiera	HS-P	1	
15	Protection of the semicone slopes with reinforced concrete of 8cm thickness axer a leyr of crushed stone of 10cm cu thickness Consolidarea conurilor si a taluzurilor cu beton armat	CC-P	1	

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
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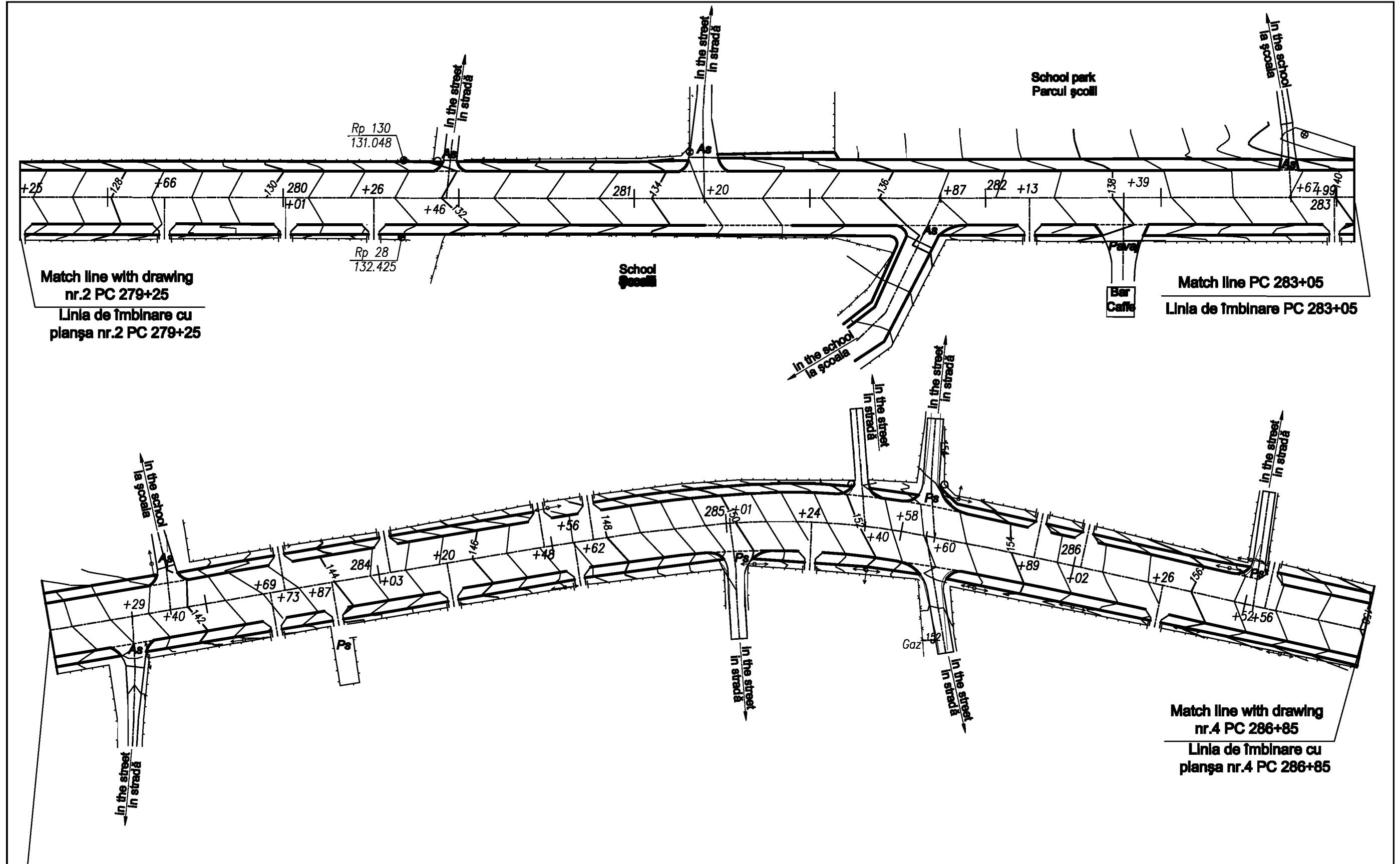


Match line PC 263+82  
Linia de îmbinare PC 263+82

EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
TRL	Drawing title		Designed	Olari	Scale	1:1000
Blizzard	Road plan PC 262+00 - PC 267+65		Checked	Bogza	Drawing	
Universcons	Plan drum PC 262+00 - PC 267+65		Control STAS	Belic	PD-DA-1	



<b>EBRD</b>	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		<b>Designed</b>	Olari	Scale	1:1000
	<b>Road plan PC 267+65 - PC 279+25</b>		Checked	Bogza	Drawing	
	<b>Plan drum PC 267+65 - PC 279+25</b>		Control STAS	Belic	<b>PD-DA-2</b>	



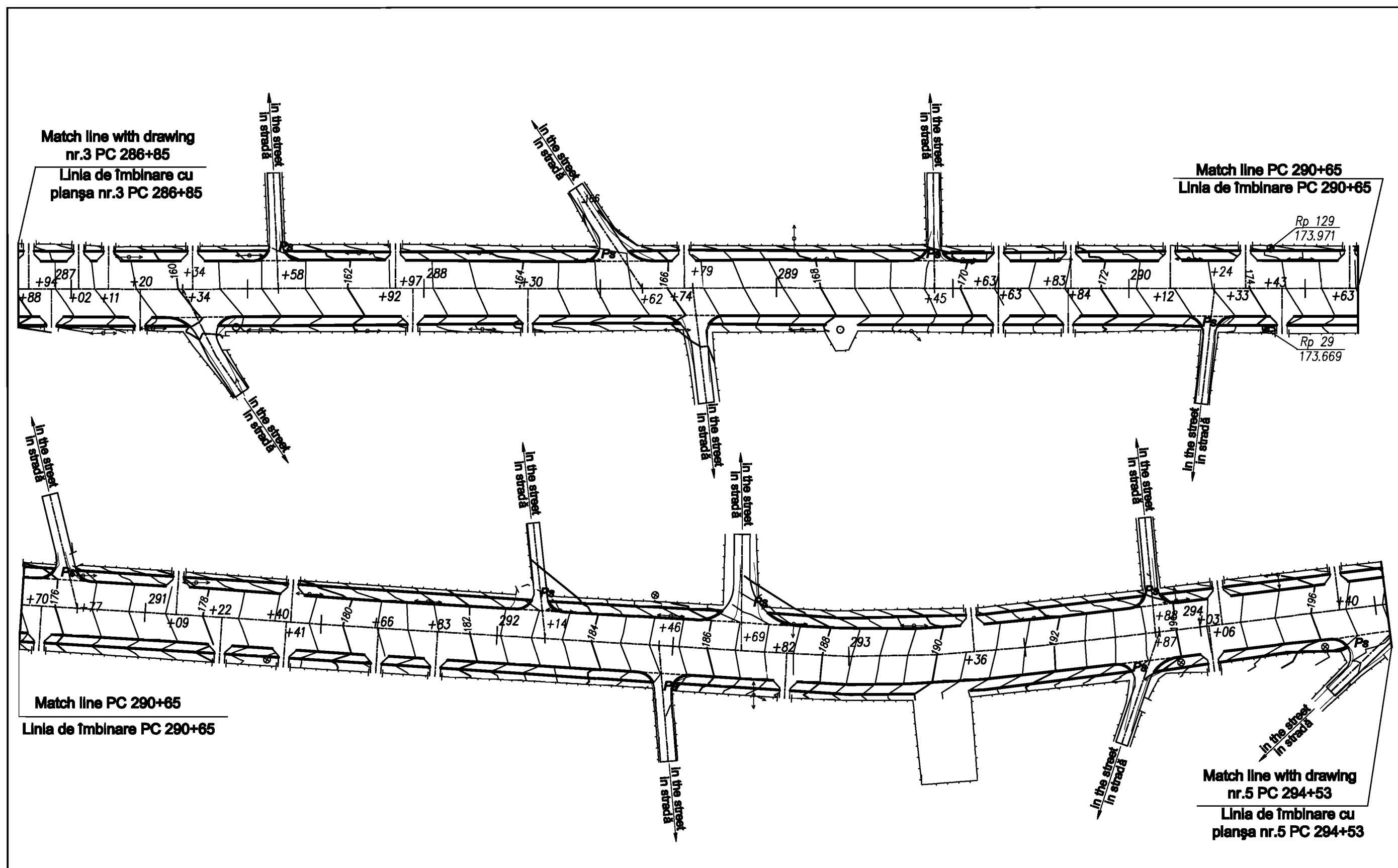
Match line with drawing  
nr.2 PC 279+25  
Linia de îmbinare cu  
planșa nr.2 PC 279+25

Match line PC 283+05  
Linia de îmbinare PC 283+05

Match line with drawing  
nr.4 PC 286+85  
Linia de îmbinare cu  
planșa nr.4 PC 286+85

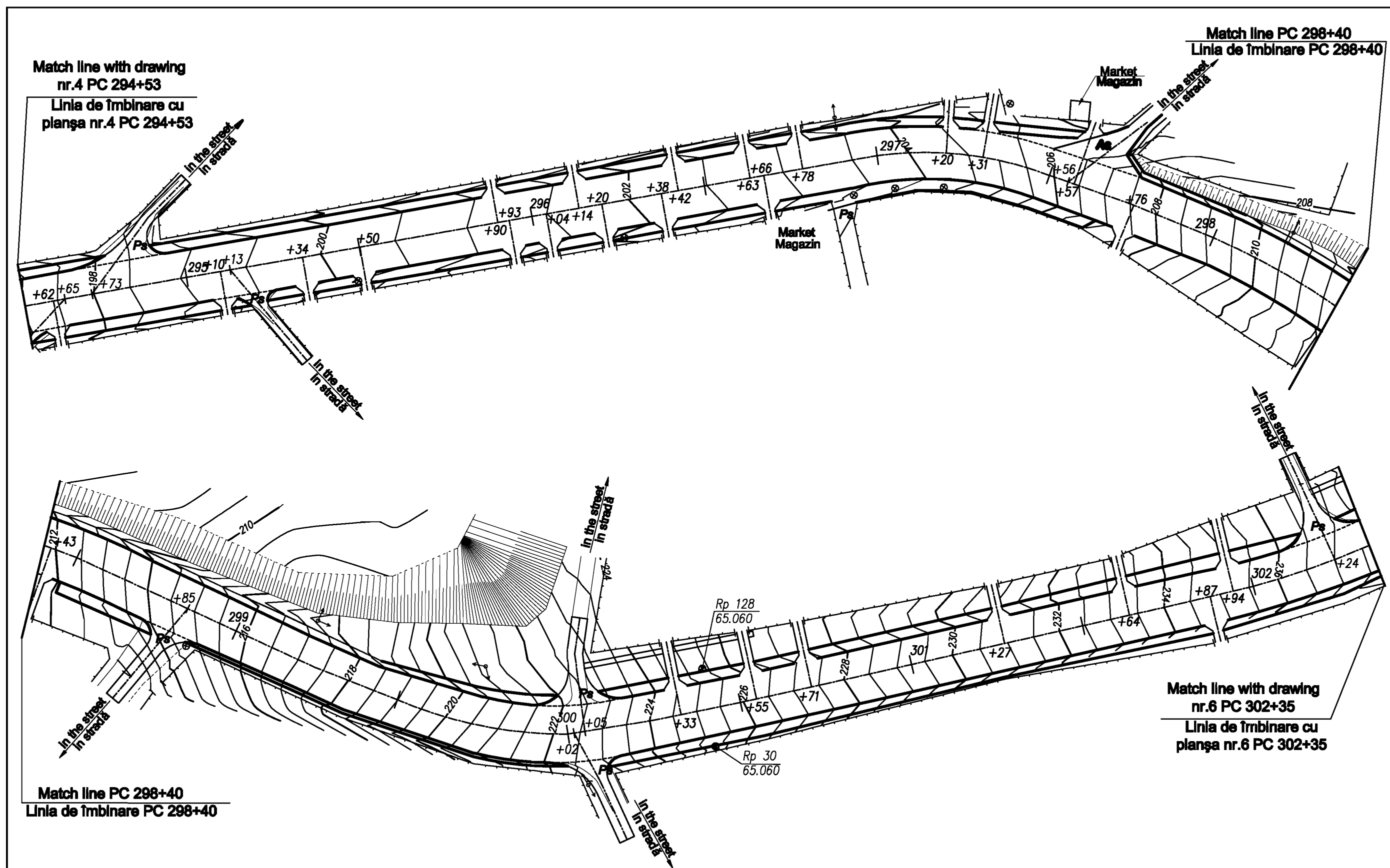
Match line PC 283+05  
Linia de îmbinare PC 283+05

<b>EBRD</b>	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		<b>Designed</b>	Olari	Scale	1:1000
	<b>Road plan PC 279+25 - PC 286+85</b>		Checked	Bogza	Drawing	
	<b>Plan drum PC 279+25 - PC 286+85</b>		Control STAS	Belic	<b>PD-DA-3</b>	



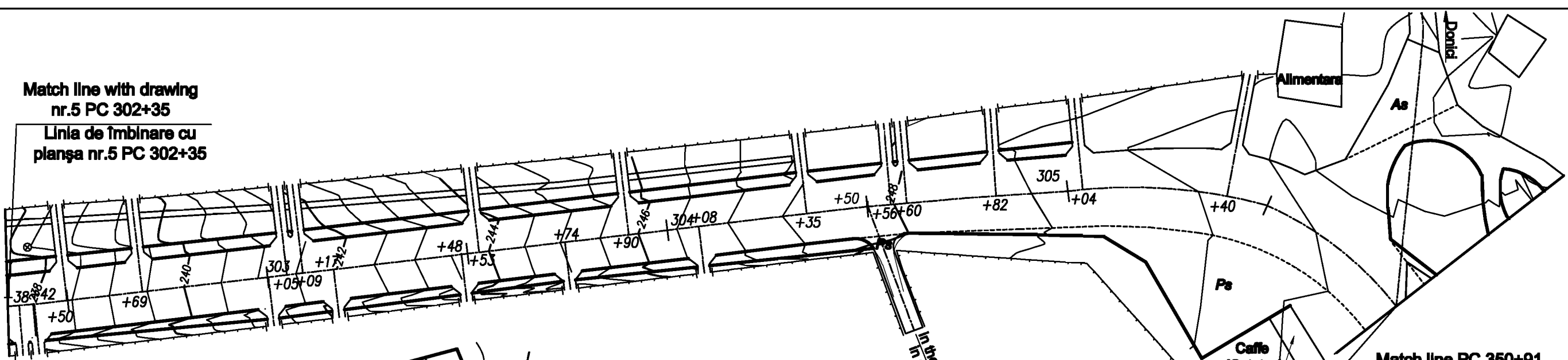
<b>EBRD</b>	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		<b>Designed</b>	Olari	Scale	1:1000
	Road plan PC 286+85 - PC 294+53 Plan drum PC 286+85 - PC 294+53		Checked	Bogza	Drawing	
			Control STAS	Belic	<b>PD-DA-4</b>	





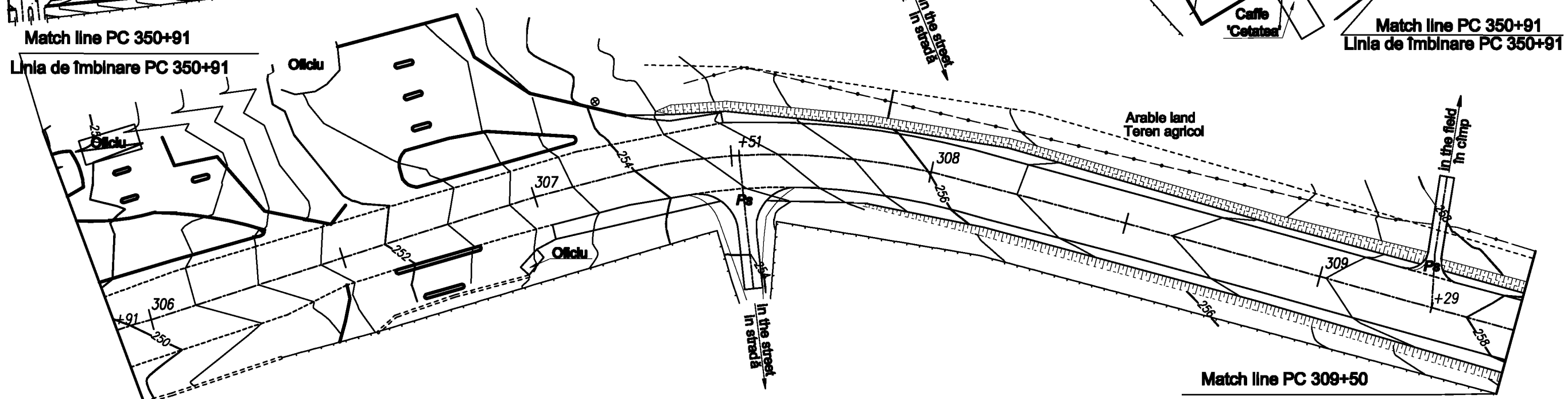
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
		<b>Designed</b>	Olari	Scale	1:1000
	Drawing title <b>Road plan PC 294+53 - PC 302+35 Plan drum PC 294+53 - PC 302+35</b>	Checked	Bogza	Drawing <b>PD-DA-5</b>	
		Control STAS	Belic		

Match line with drawing  
nr.5 PC 302+35  
Linia de îmbinare cu  
planșa nr.5 PC 302+35

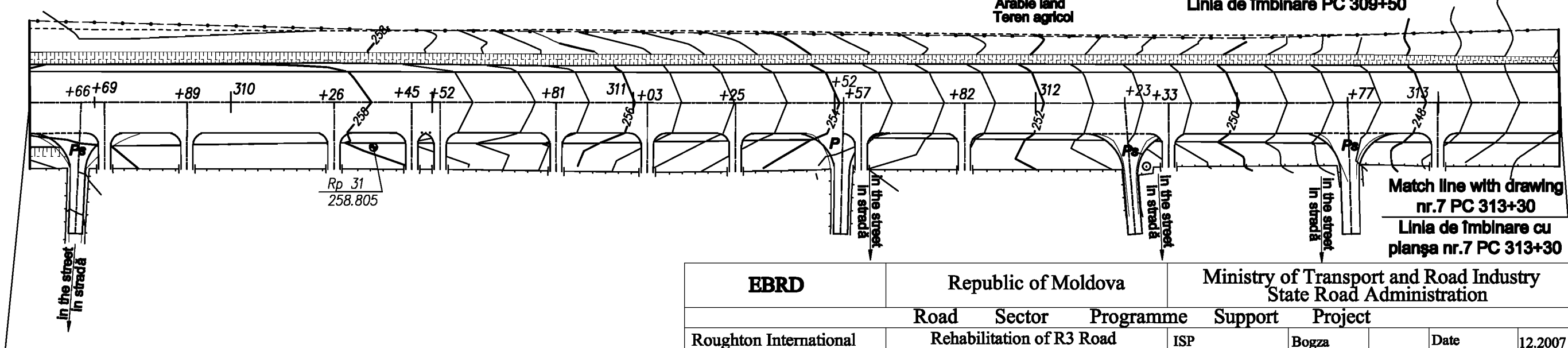


Match line PC 350+91  
Linia de îmbinare PC 350+91

Match line PC 350+91  
Linia de îmbinare PC 350+91



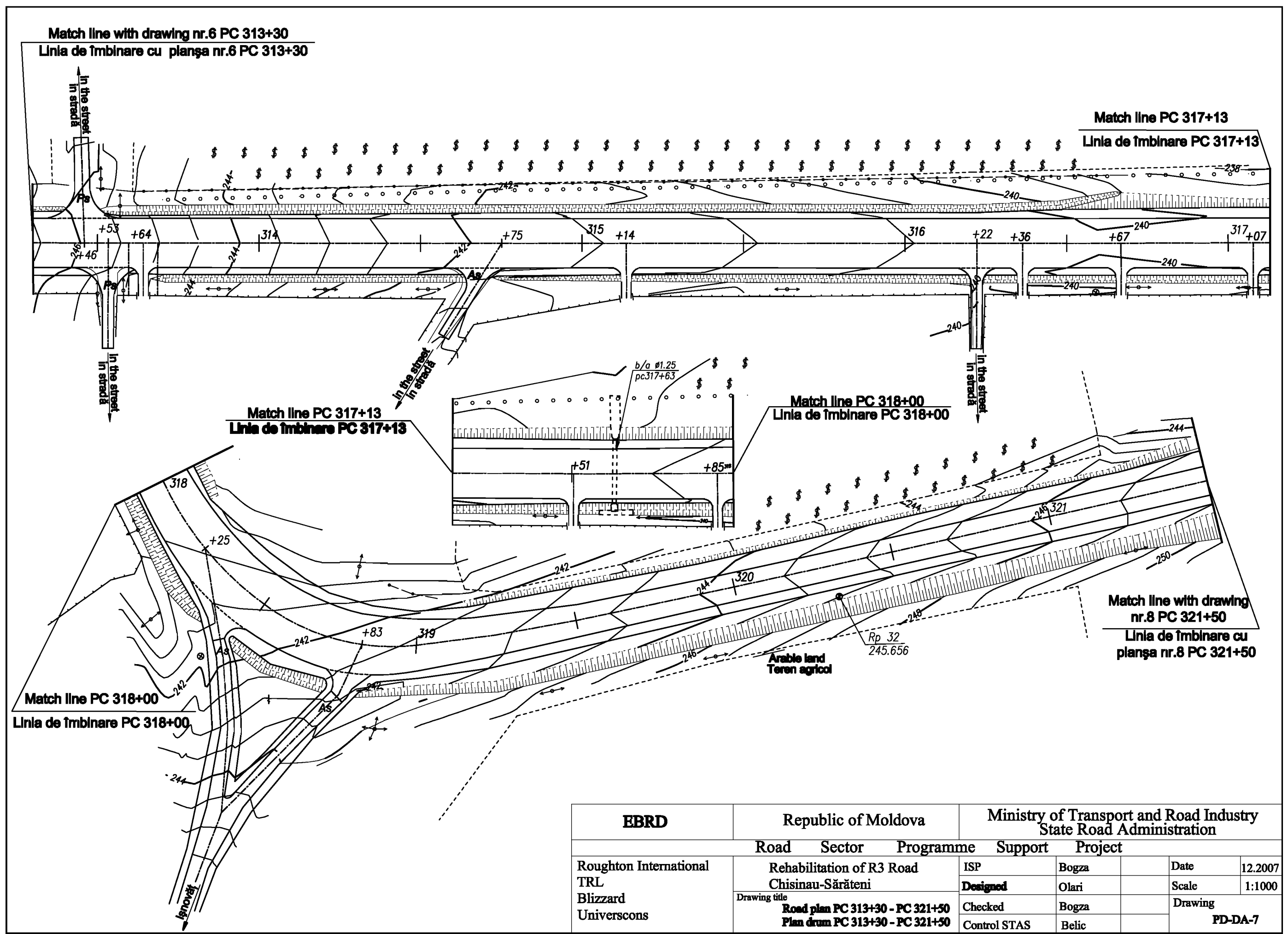
Match line PC 309+50  
Linia de îmbinare PC 309+50



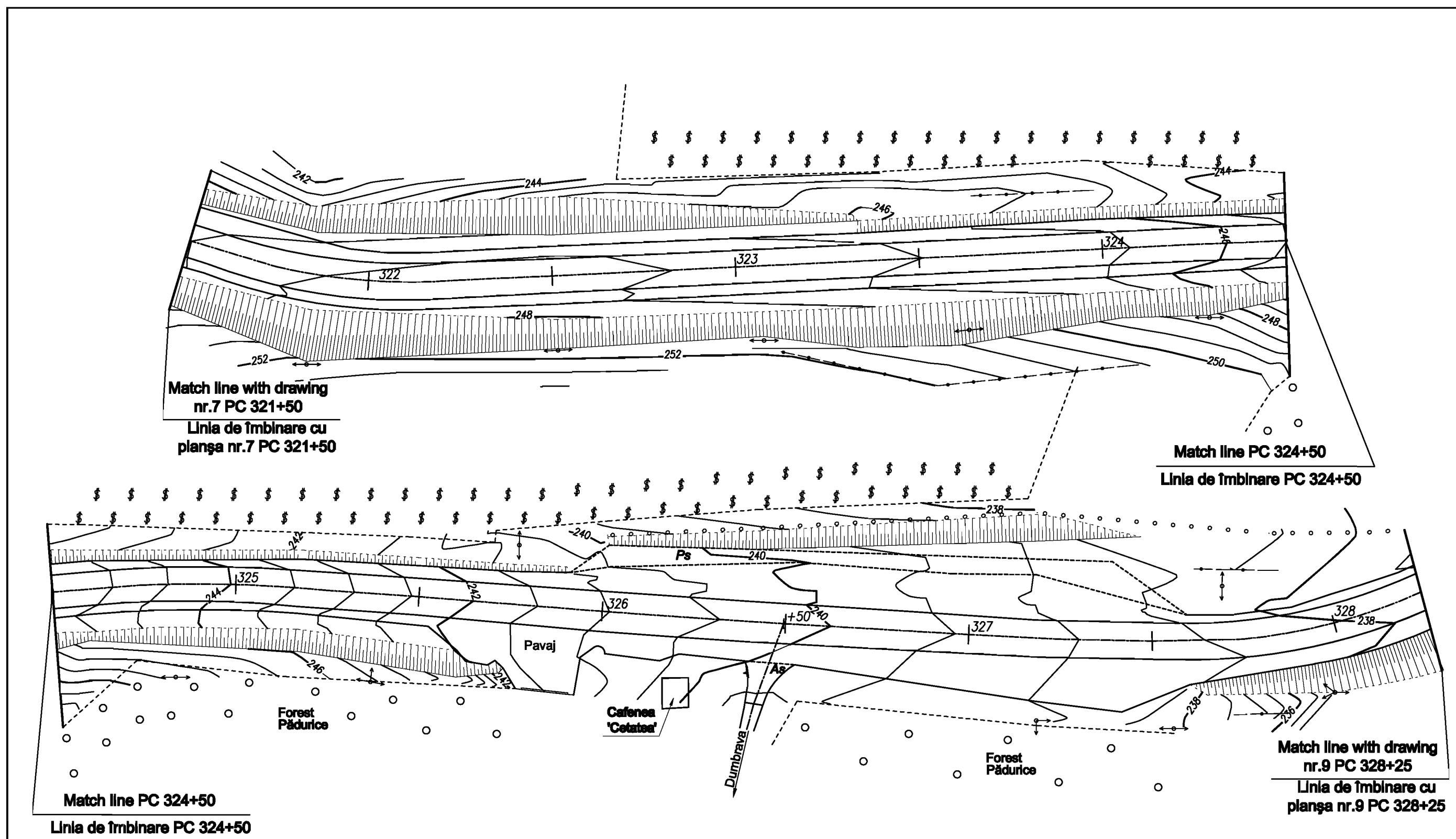
Match line PC 309+50  
Linia de îmbinare PC 309+50

Match line with drawing  
nr.7 PC 313+30  
Linia de îmbinare cu  
planșa nr.7 PC 313+30

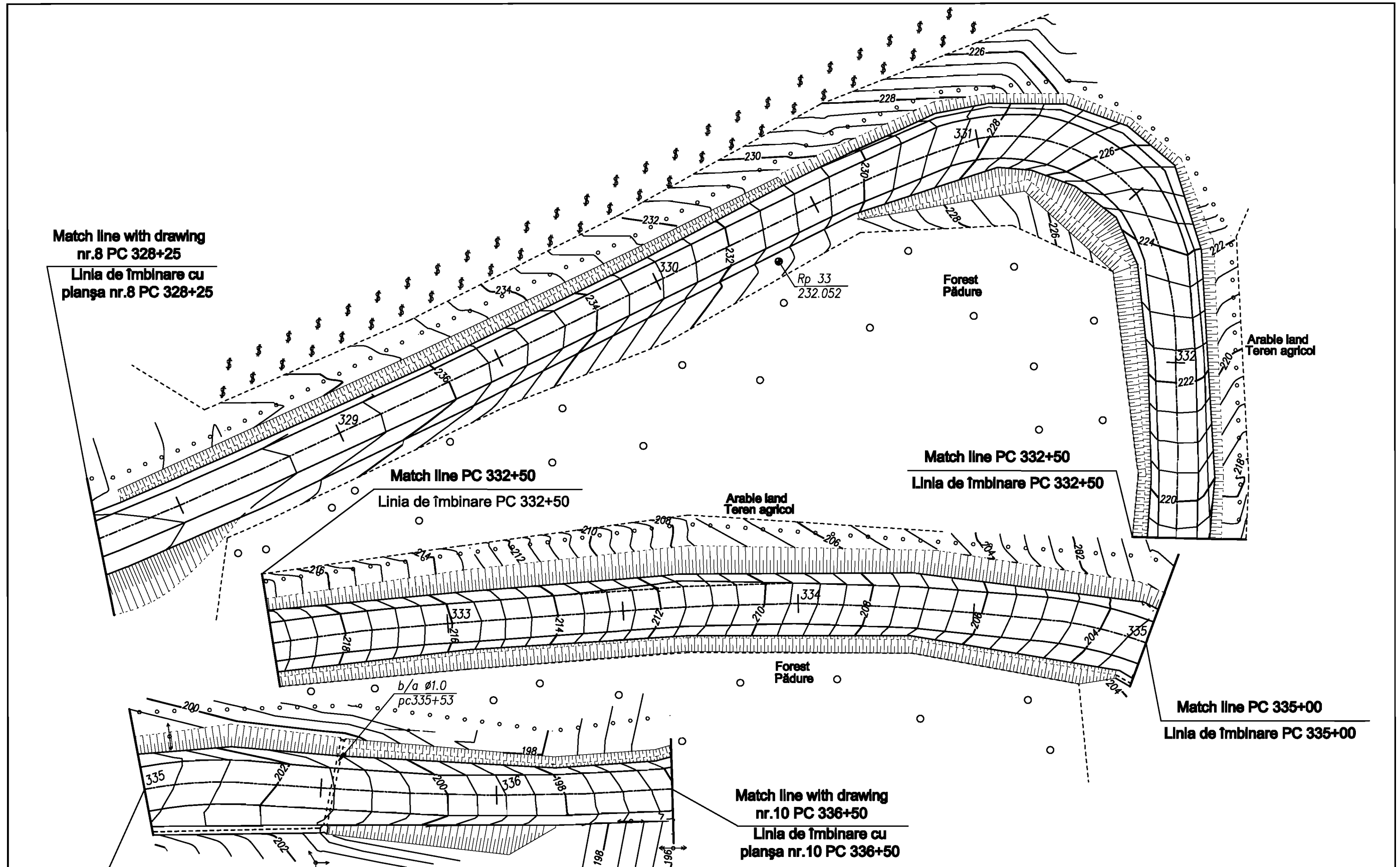
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
	<b>Road Sector Programme Support Project</b>				
Roughton International	Rehabilitation of R3 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sărăteni	<b>Designed</b>	Olari	Scale	1:1000
Blizzard	Drawing title	Checked	Bogza	Drawing	
Universcons	<b>Road plan PC 302+35 - PC 313+30 Plan drum PC 302+35 - PC 313+30</b>	Control STAS	Belic		PD-DA-6



<b>EBRD</b>	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International	Rehabilitation of R3 Road		ISP	Bogza	Date	12.2007
TRL	Chisinau-Sărăteni		<b>Designed</b>	Olari	Scale	1:1000
Blizzard	Drawing title		Checked	Bogza	Drawing	
Universcons	<b>Road plan PC 313+30 - PC 321+50</b> <b>Plan drum PC 313+30 - PC 321+50</b>		Control STAS	Belic	<b>PD-DA-7</b>	



<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Olari	Scale	1:1000
	Road plan PC 321+50 - PC 328+25 Plan drum PC 321+50 - PC 328+25	Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-8



Match line with drawing  
nr.8 PC 328+25  
Linia de îmbinare cu  
planșa nr.8 PC 328+25

Match line PC 332+50  
Linia de îmbinare PC 332+50

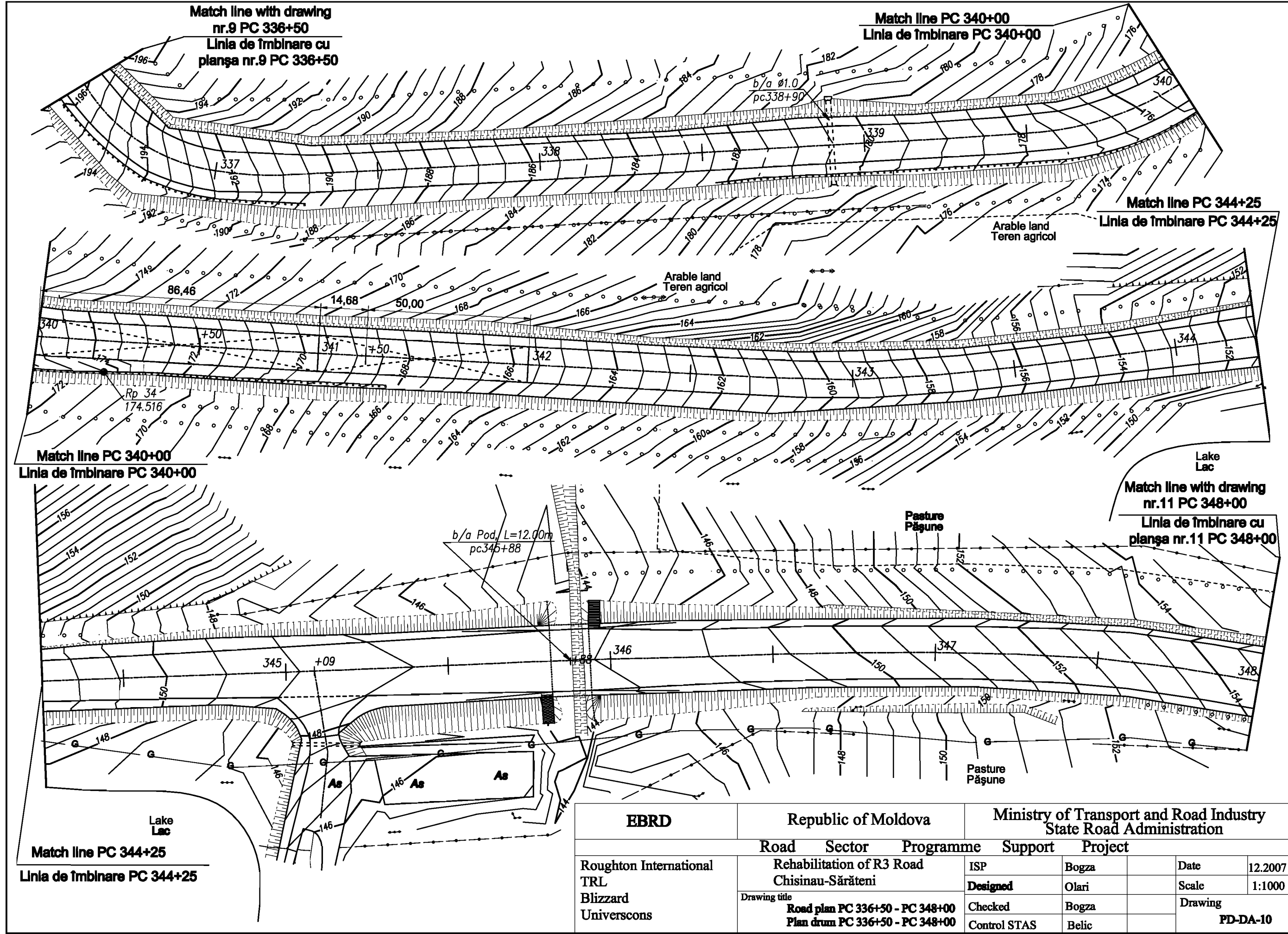
Match line PC 332+50  
Linia de îmbinare PC 332+50

Match line PC 335+00  
Linia de îmbinare PC 335+00

Match line with drawing  
nr.10 PC 336+50  
Linia de îmbinare cu  
planșa nr.10 PC 336+50

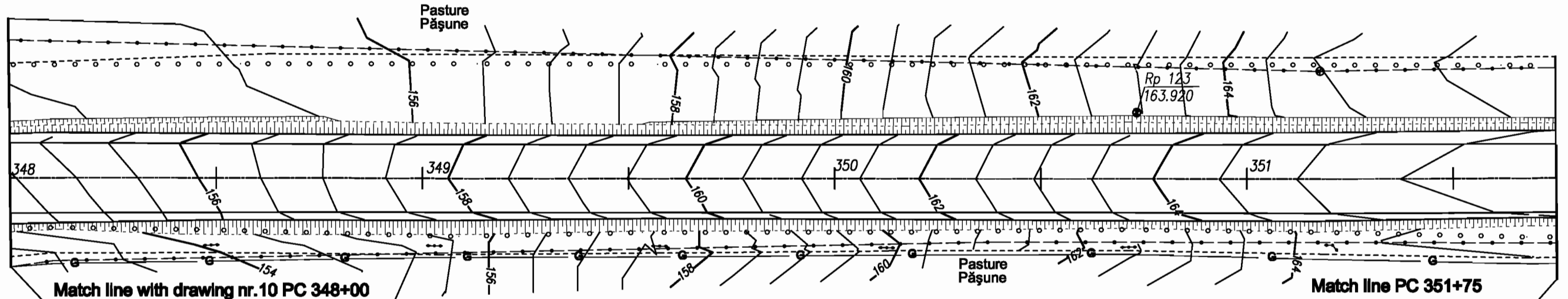
Match line PC 335+00  
Linia de îmbinare PC 335+00

EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Olari	Scale	1:1000
	Road plan PC 328+25 - PC 336+50 Plan drum PC 328+25- PC 336+50		Checked	Bogza	Drawing	
			Control STAS	Belic	PD-DA-9	



<b>EBRD</b> Roughton International TRL Blizzard Universcons	Republic of Moldova Road Sector Programme Support Project		Ministry of Transport and Road Industry State Road Administration		
	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date
	Drawing title <b>Road plan PC 336+50 - PC 348+00</b> <b>Plan drum PC 336+50 - PC 348+00</b>		Designed	Olari	Scale
		Checked	Bogza	Drawing	
		Control STAS	Belic	PD-DA-10	
					12.2007
					1:1000



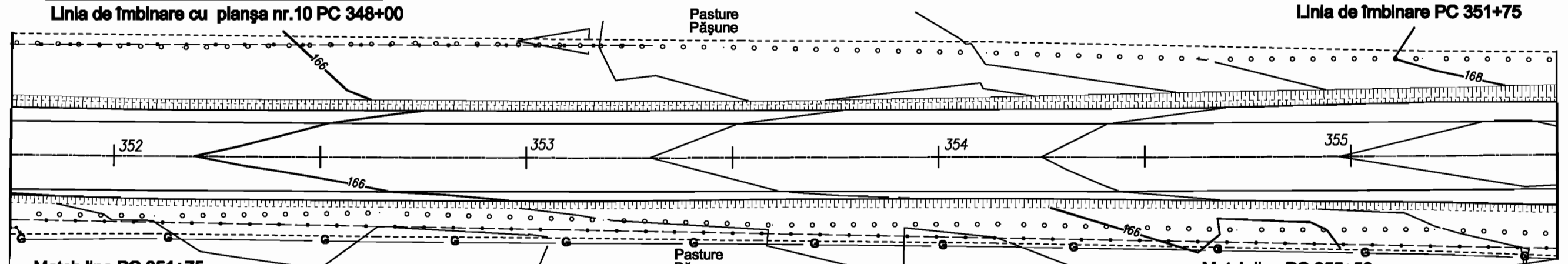


Match line with drawing nr.10 PC 348+00

Linia de îmbinare cu planșa nr.10 PC 348+00

Match line PC 351+75

Linia de îmbinare PC 351+75

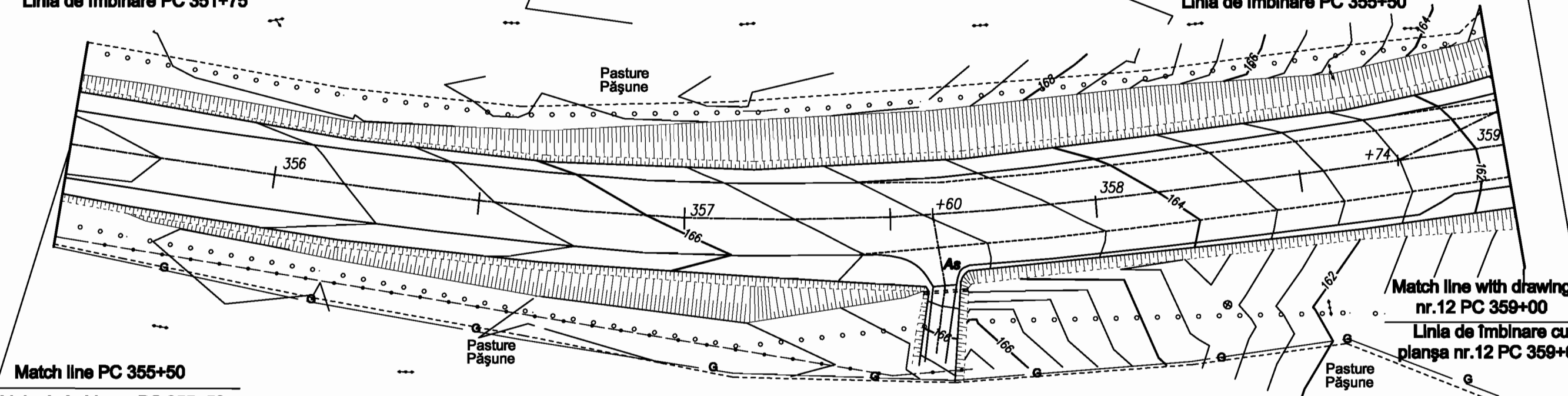


Match line PC 351+75

Linia de îmbinare PC 351+75

Match line PC 355+50

Linia de îmbinare PC 355+50



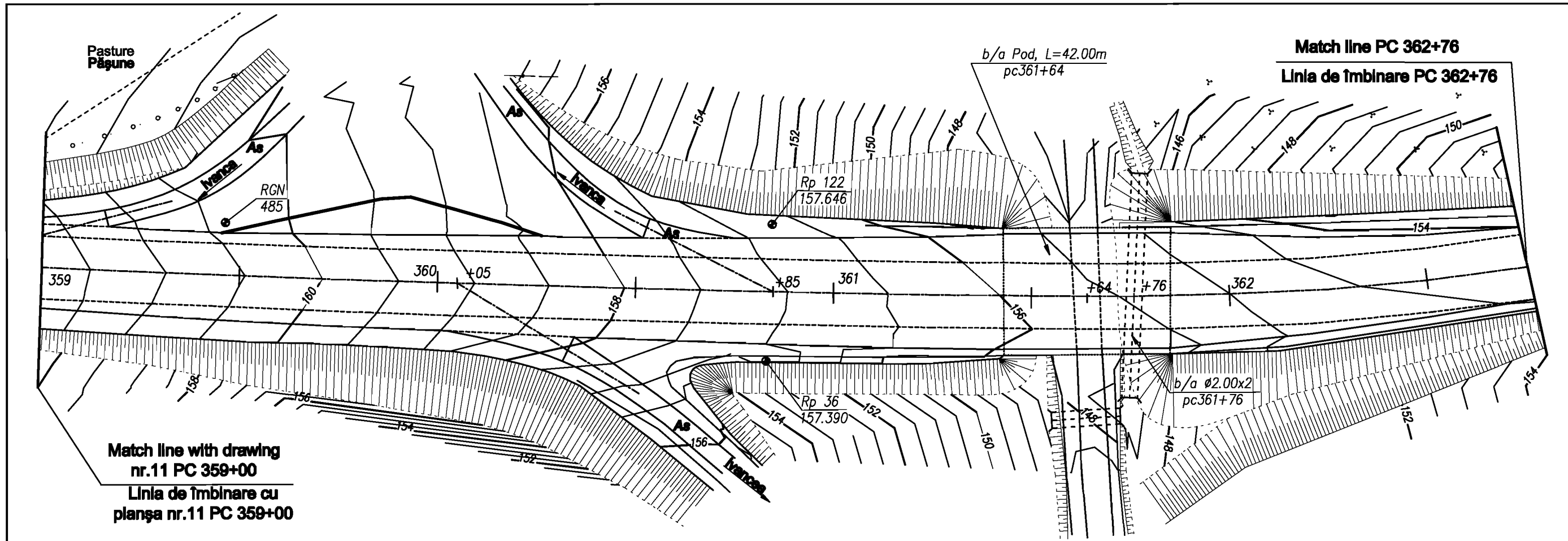
Match line with drawing nr.12 PC 359+00

Linia de îmbinare cu planșa nr.12 PC 359+00

Match line PC 355+50

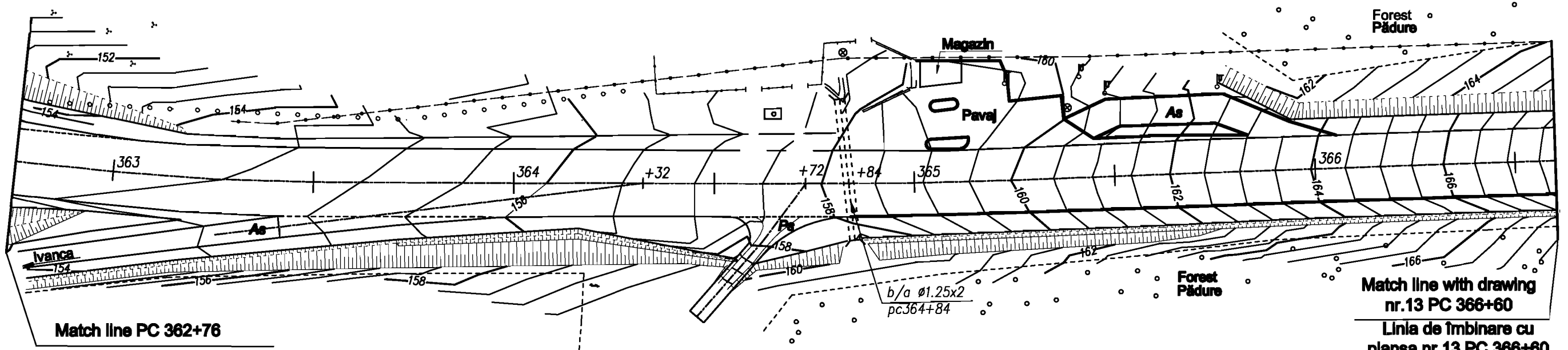
Linia de îmbinare PC 355+50

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project					
Roughton International	Rehabilitation of R3 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sărăteni	Designed	Olari	Scale	1:1000
Blizzard	Drawing title	Checked	Bogza	Drawing	
Universcons	Road plan PC 348+00 - PC 359+00 Plan drum PC 348+00 - PC 359+00	Control STAS	Belic	PD-DA-11	



Match line with drawing  
nr.11 PC 359+00  
Linia de îmbinare cu  
planșa nr.11 PC 359+00

Match line PC 362+76  
Linia de îmbinare PC 362+76

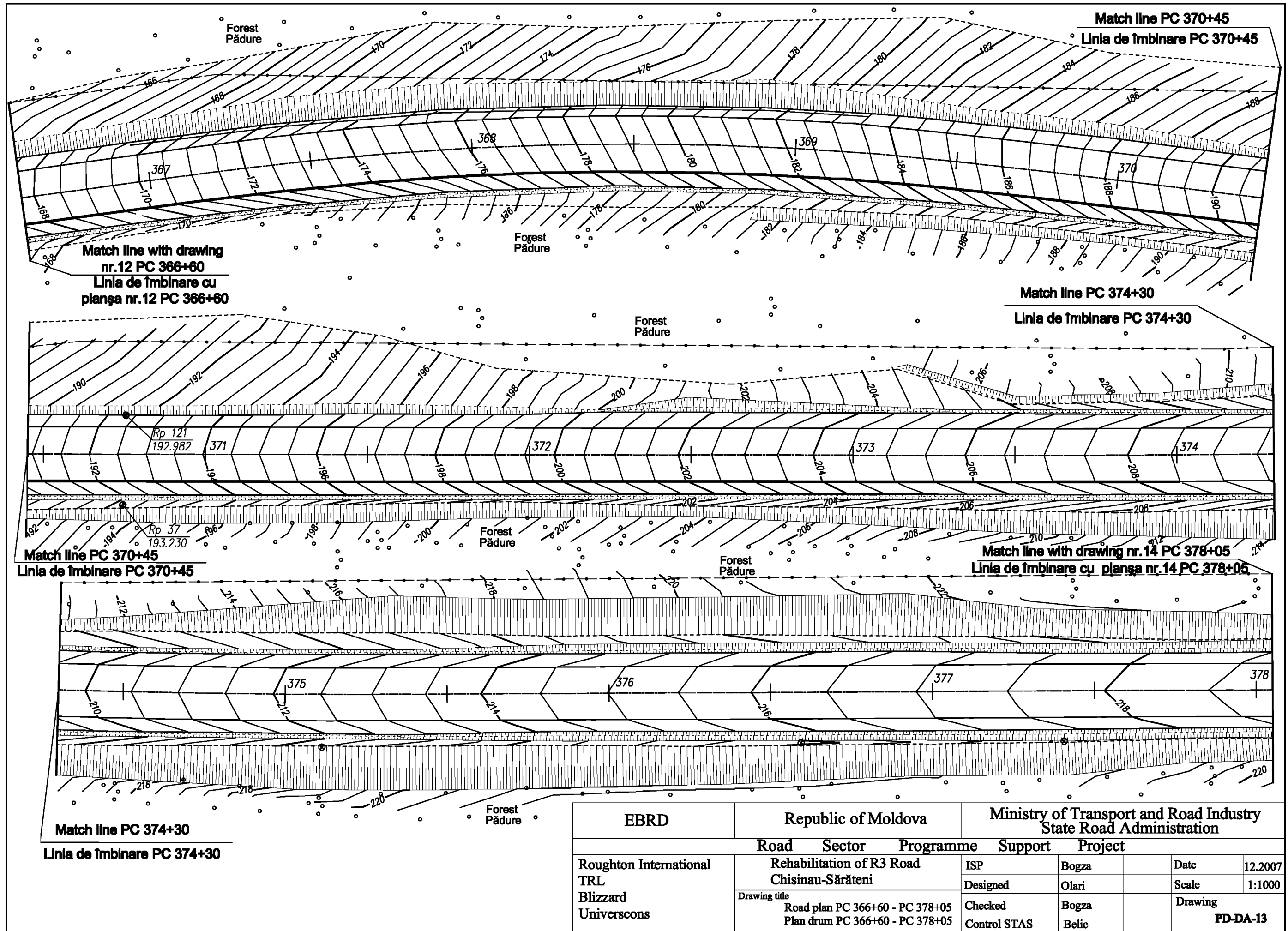


Match line PC 362+76  
Linia de îmbinare PC 362+76

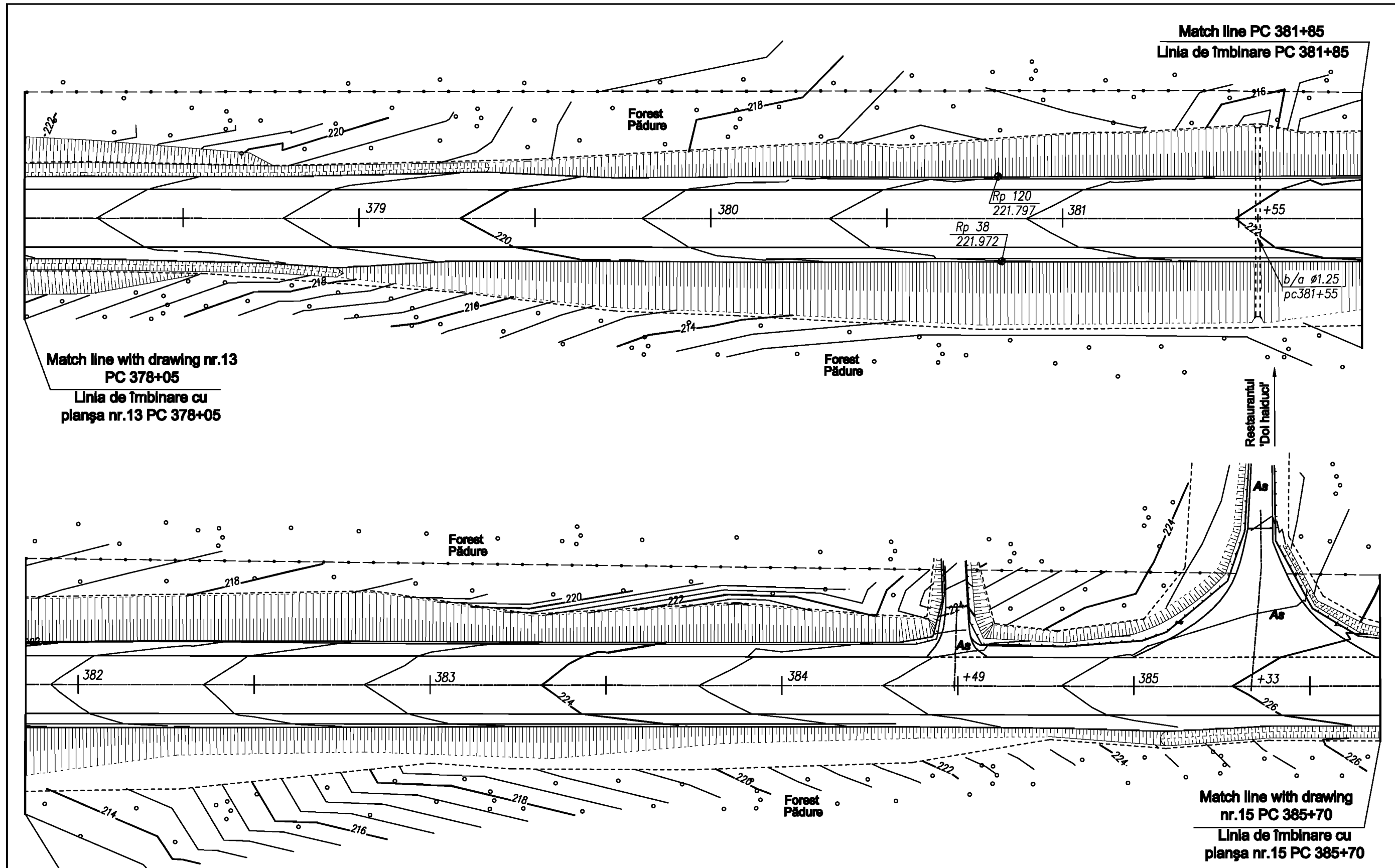
Match line with drawing  
nr.13 PC 366+60  
Linia de îmbinare cu  
planșa nr.13 PC 366+60

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Olari	Scale	1:1000
	Road plan PC 359+00 - PC 366+60 Plan drum PC 359+00 - PC 366+60	Checked	Bogza	Drawing	PD-DA-12
		Control STAS	Belic		

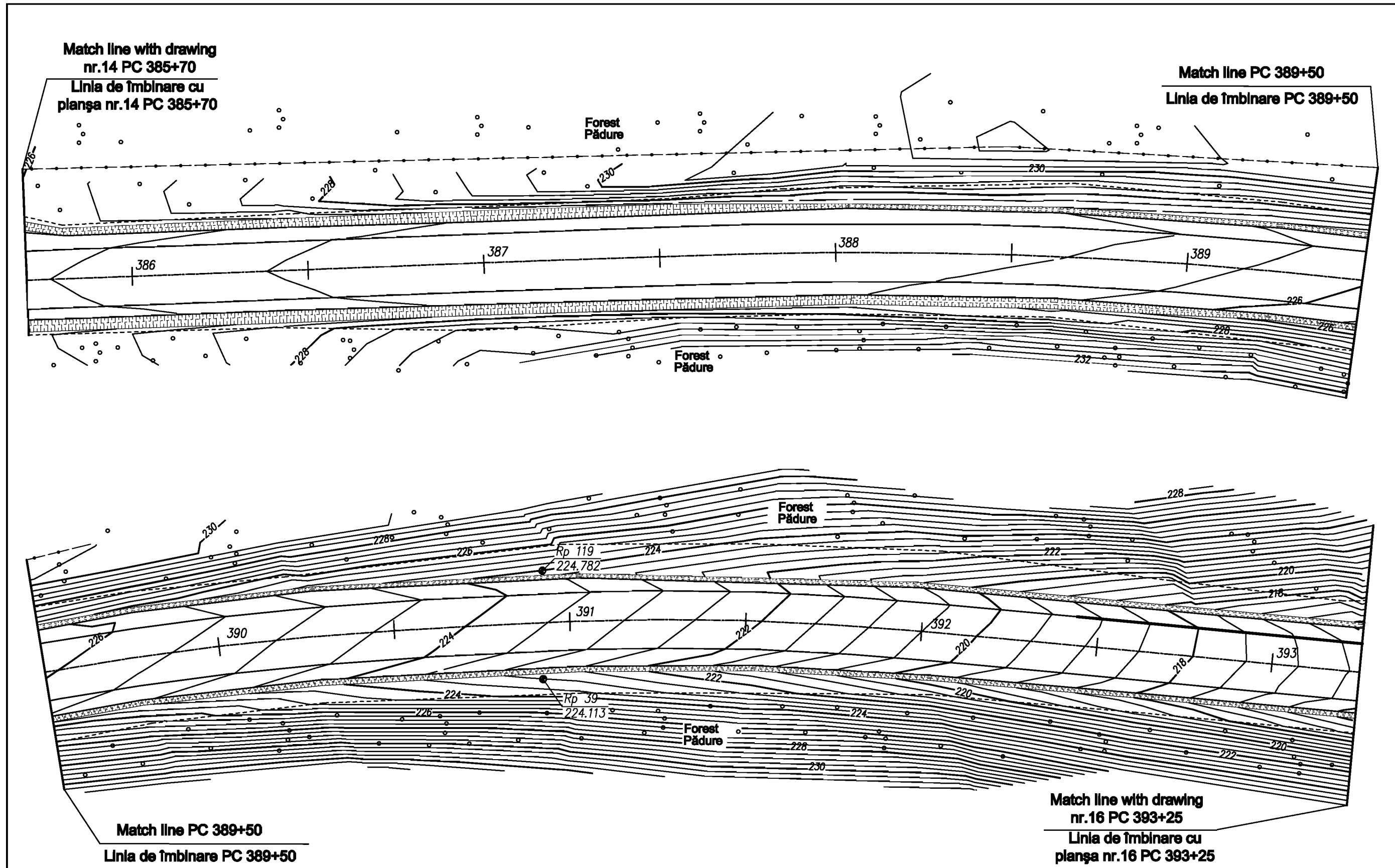




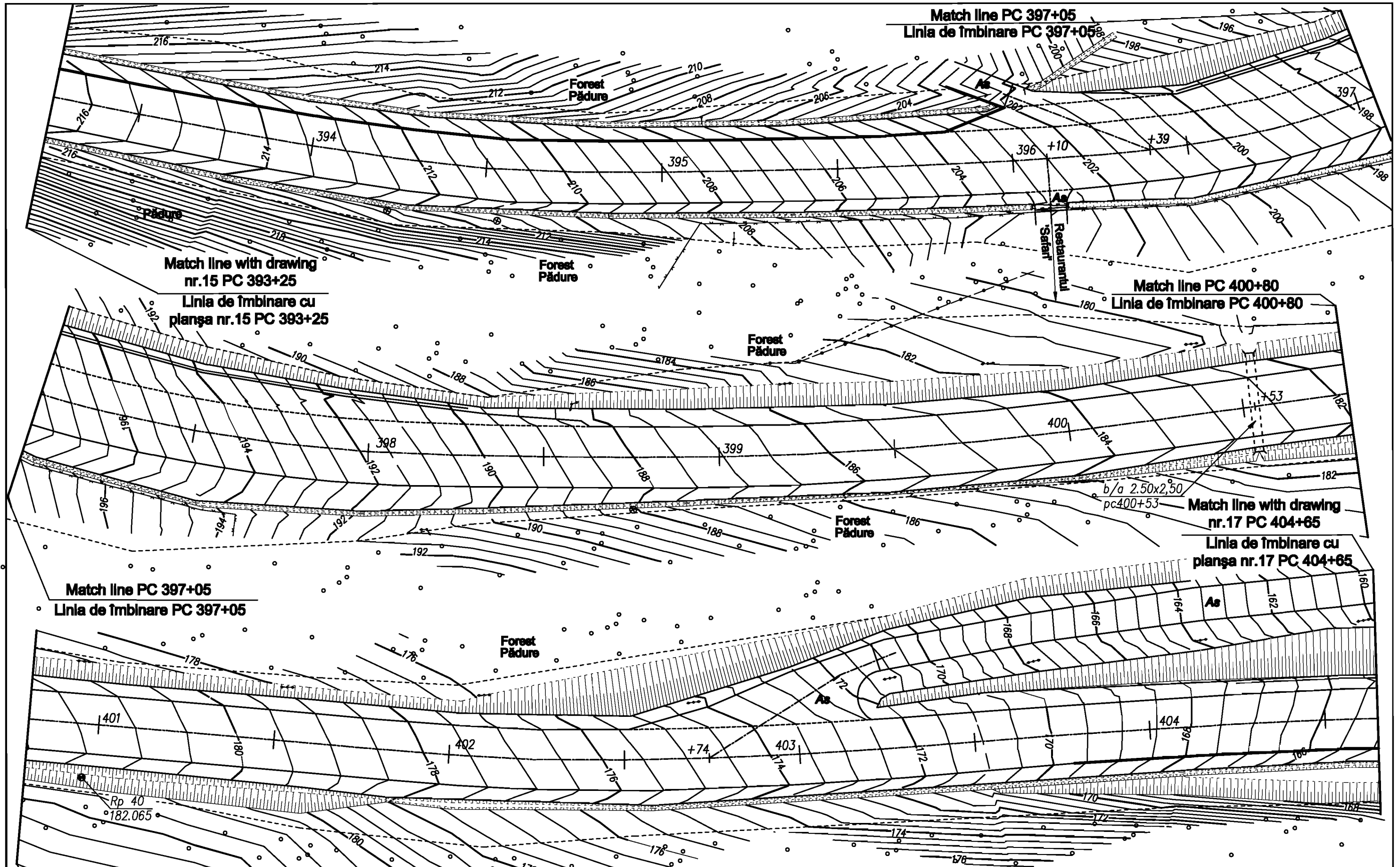
EBRD		Republic of Moldova		Ministry of Transport and Road Industry State Road Administration		
		Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Olari	Scale	1:1000
	Road plan PC 366+60 - PC 378+05 Plan drum PC 366+60 - PC 378+05		Checked	Bogza	Drawing	PD-DA-13
			Control STAS	Belic		



EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Olari	Scale	1:1000
	Road plan PC 378+05 - PC 385+70 Plan drum PC 378+05 - PC 385+70		Checked	Bogza	Drawing	PD-DA-14
			Control STAS	Belic		



<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	<b>Designed</b>	Olari	Scale	1:1000
	<b>Road plan PC 385+70 - PC 393+25 Plan drum PC 385+70 - PC 393+25</b>	Checked	Bogza	Drawing	<b>PD-DA-15</b>
		Control STAS	Belic		



Match line with drawing nr.15 PC 393+25  
Linia de îmbinare cu planșa nr.15 PC 393+25

Match line PC 397+05  
Linia de îmbinare PC 397+05

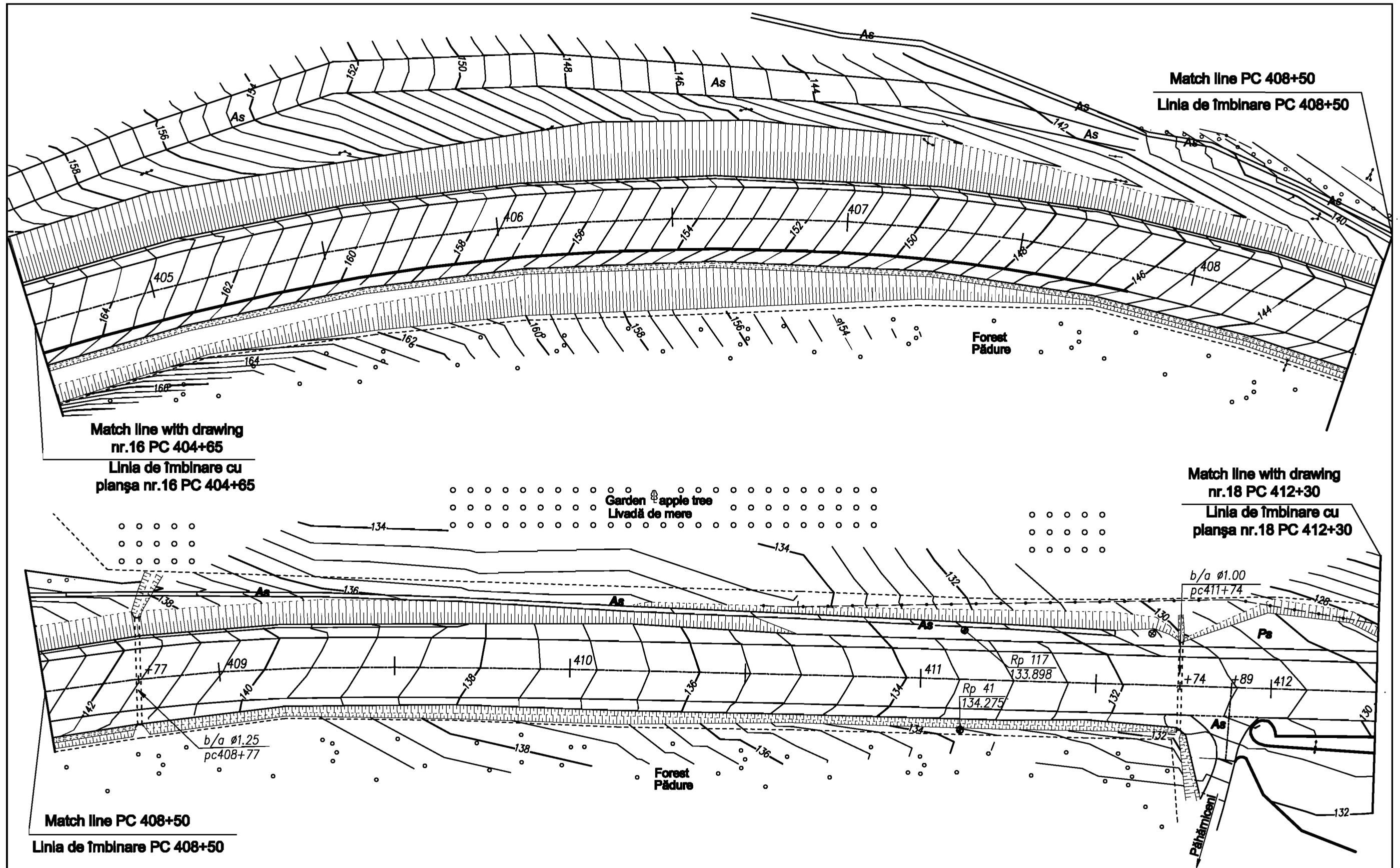
Match line PC 400+80  
Linia de îmbinare PC 400+80

Match line with drawing nr.17 PC 404+65  
Linia de îmbinare cu planșa nr.17 PC 404+65

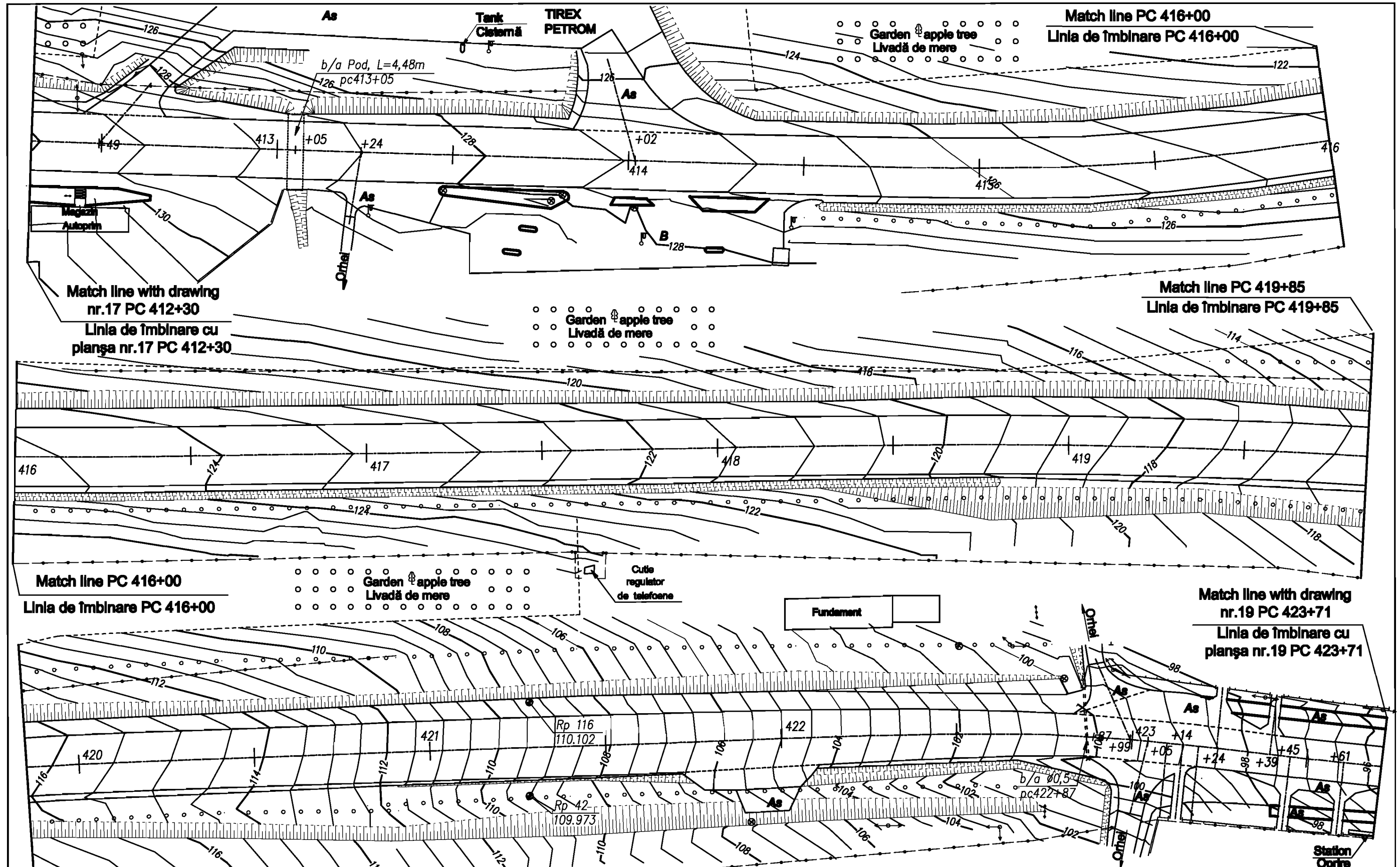
Match line PC 397+05  
Linia de îmbinare PC 397+05

Match line PC 400+80  
Linia de îmbinare PC 400+80

EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Olari	Scale	1:1000
	Road plan PC 393+25 - PC 404+65 Plan drum PC 393+25 - PC 404+65		Checked	Bogza	Drawing	PD-DA-16
			Control STAS	Belic		



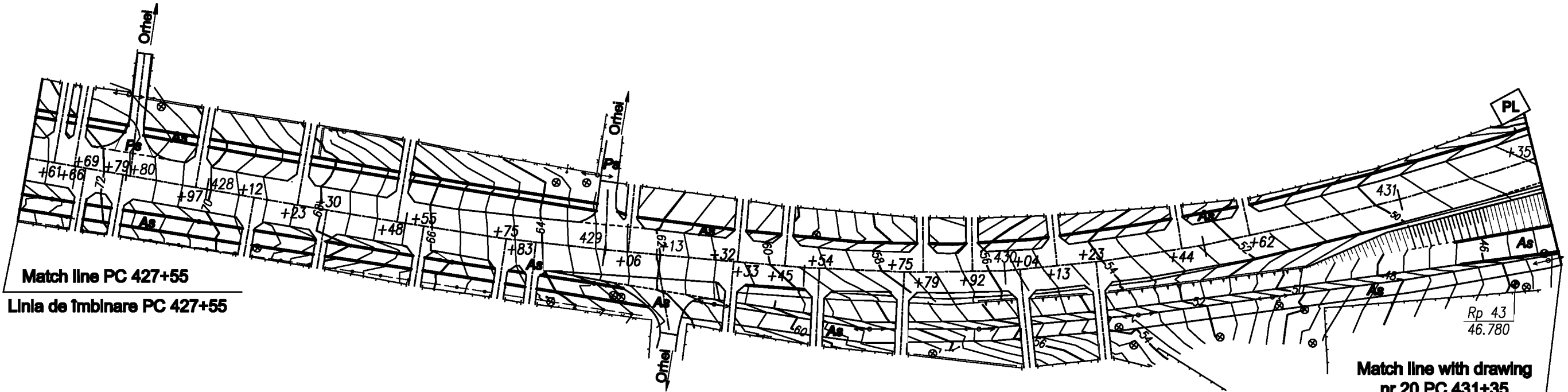
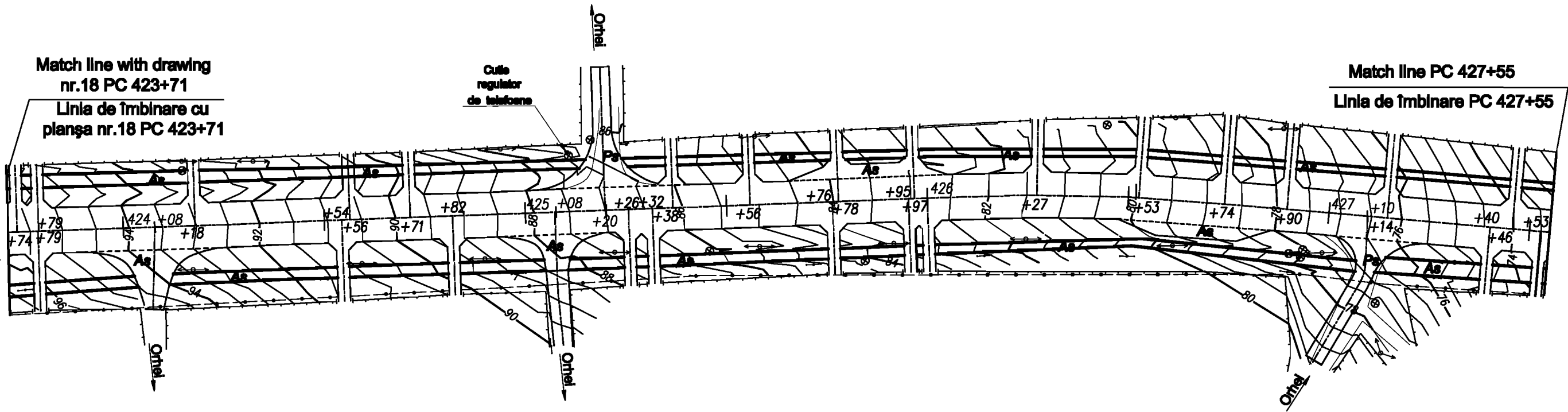
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	<b>Designed</b>	Olari	Scale	1:1000
	<b>Road plan PC 404+65 - PC 412+30 Plan drum PC 404+65 - PC 412+30</b>	<b>Checked</b>	Bogza	Drawing	<b>PD-DA-17</b>
		<b>Control STAS</b>	Belic		



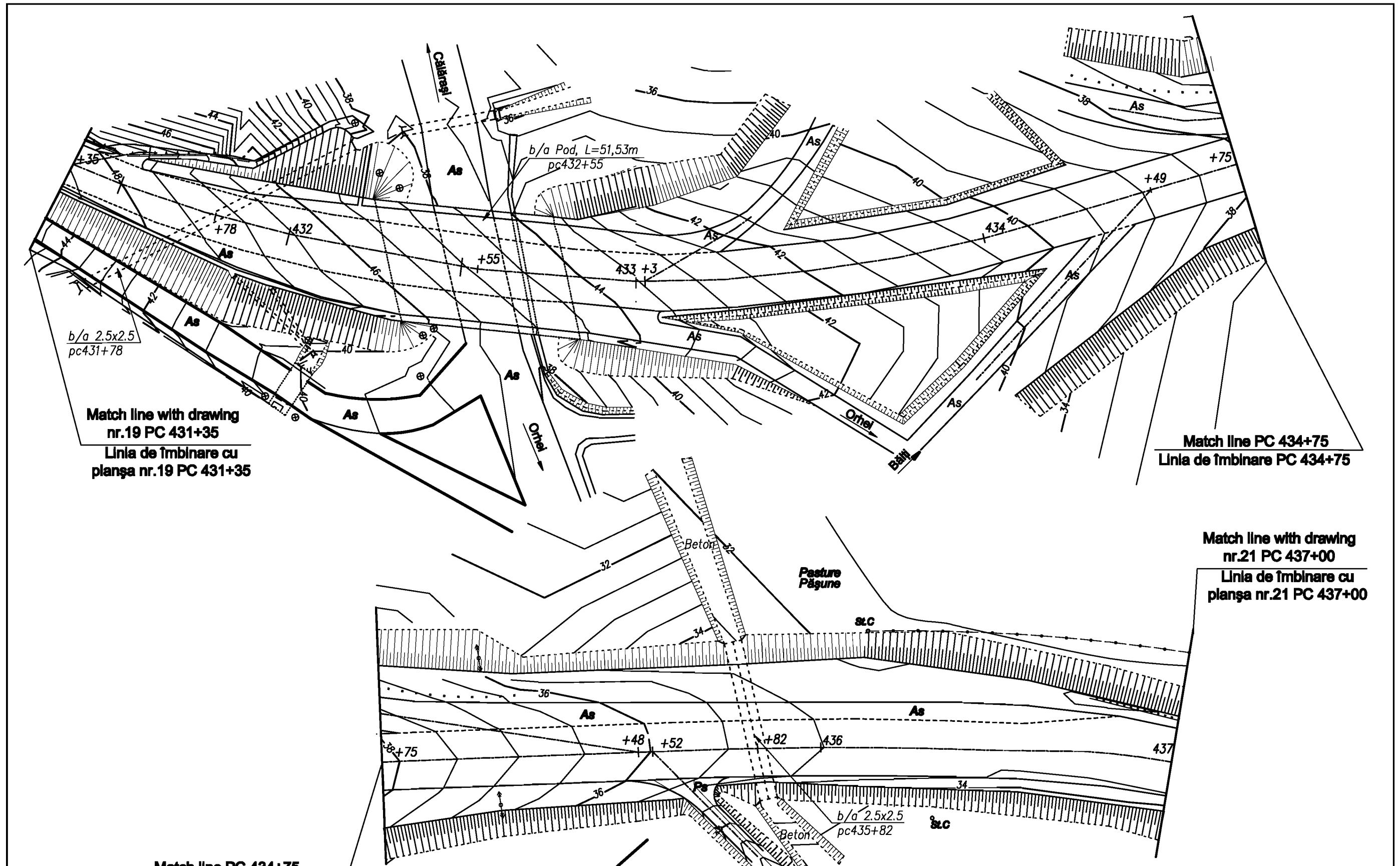
Match line PC 419+85  
Linia de îmbinare PC 419+85

<b>EBRD</b>		Republic of Moldova		Ministry of Transport and Road Industry State Road Administration	
		Road Sector Programme Support Project			
Roughton International	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b> Drawing title <b>Road plan PC 412+30 - PC 423+71 Plan drum PC 412+30 - PC 423+71</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Olari	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic		<b>PD-DA-18</b>





<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme	Support	Project	
Roughton International	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		<b>Designed</b>	Olari	Scale	1:1000
Blizzard	Drawing title	Checked	Bogza	Drawing	
Universcons	<b>Road plan PC 423+71 - PC 431+35 Plan drum PC 423+71 - PC 431+35</b>	Control STAS	Belic	<b>PD-DA-19</b>	



Match line with drawing nr.19 PC 431+35  
Linia de îmbinare cu planșa nr.19 PC 431+35

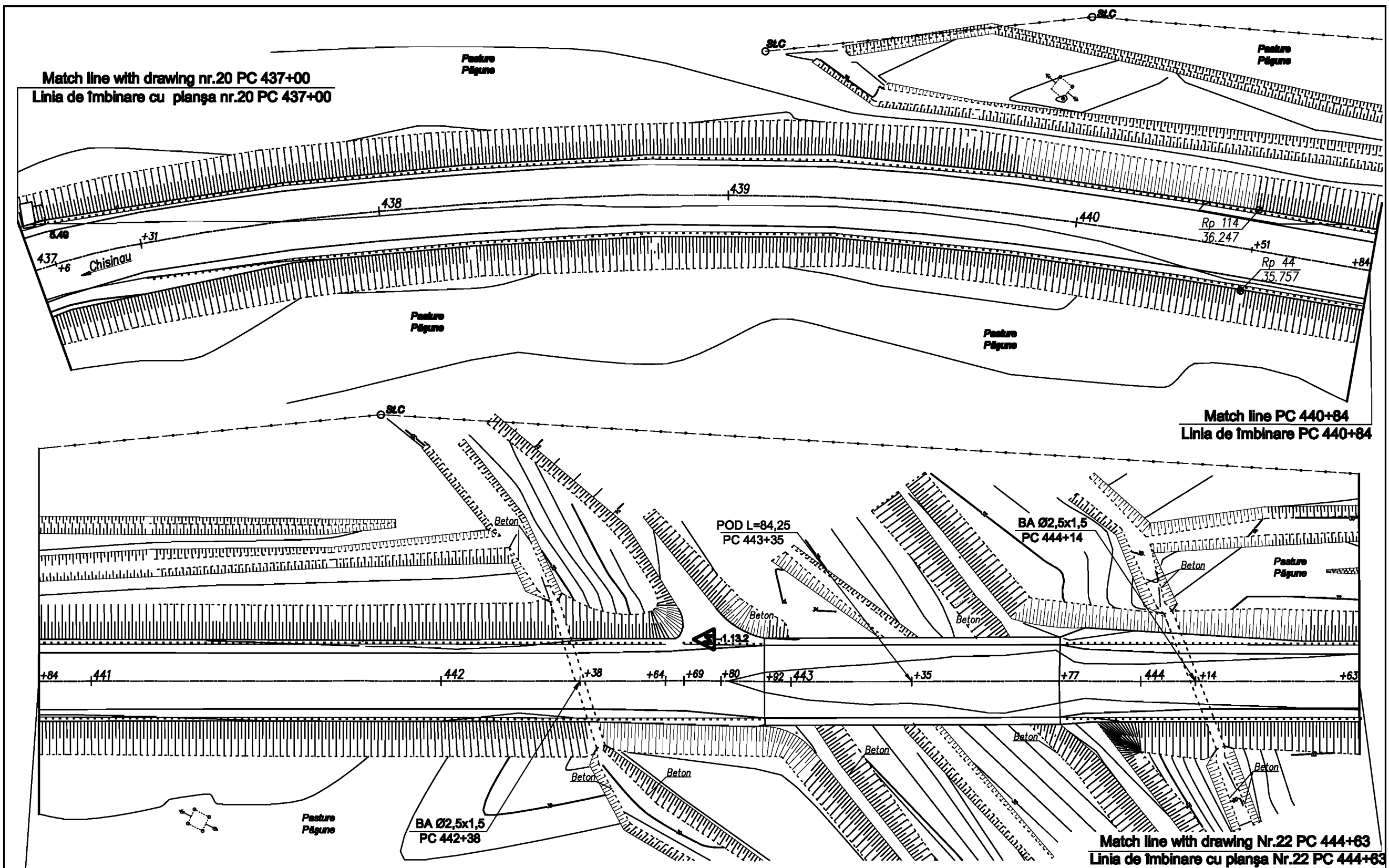
Match line PC 434+75  
Linia de îmbinare PC 434+75

Match line with drawing nr.21 PC 437+00  
Linia de îmbinare cu planșa nr.21 PC 437+00

Match line PC 434+75  
Linia de îmbinare PC 434+75

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International	<b>Rehabilitation of R3 Road Chișinău-Sărățeni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Olari	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic		<b>PD-DA-20</b>





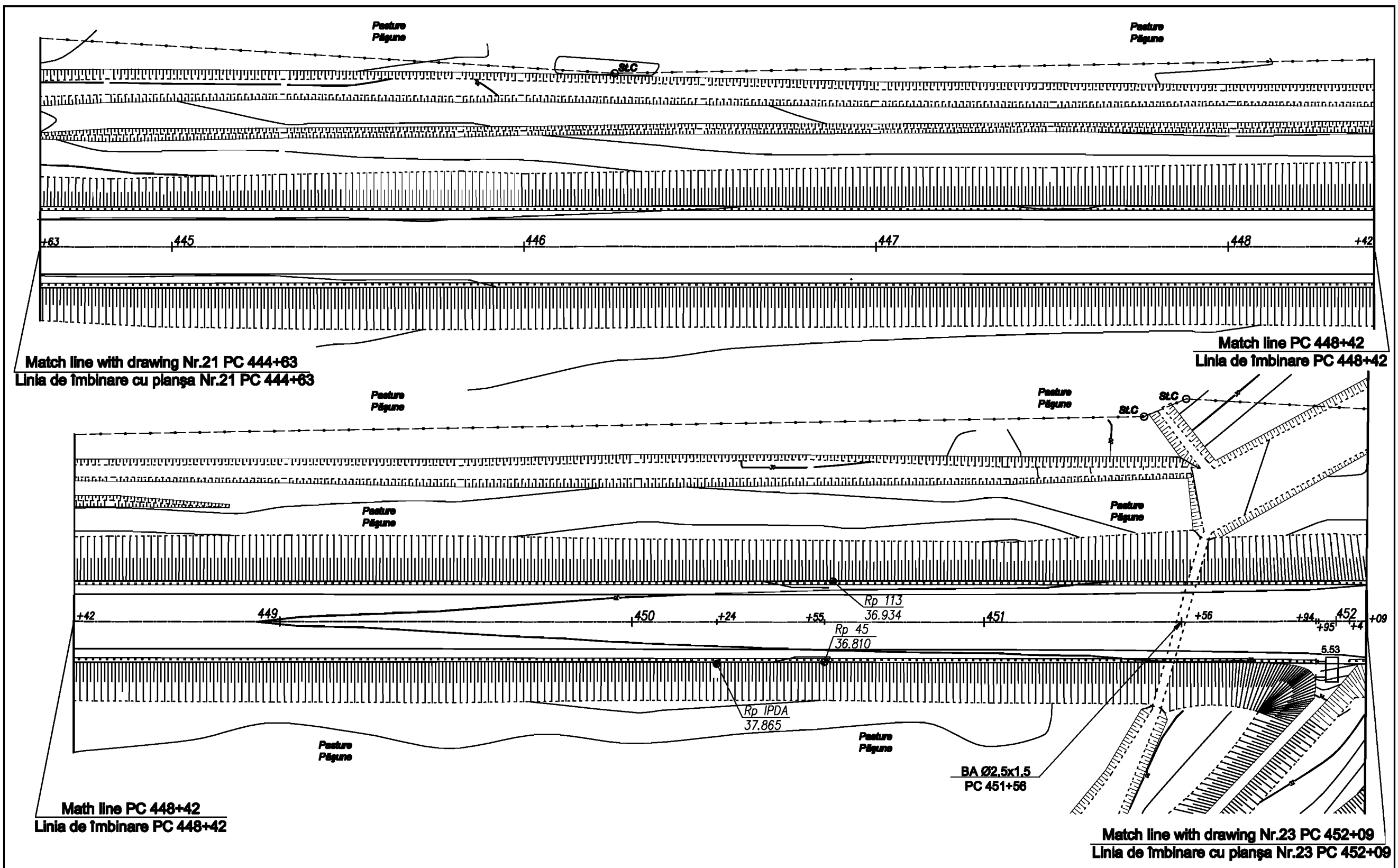
Match line with drawing nr.20 PC 437+00  
 Linia de îmbinare cu planșa nr.20 PC 437+00

Match line PC 440+84  
 Linia de îmbinare PC 440+84

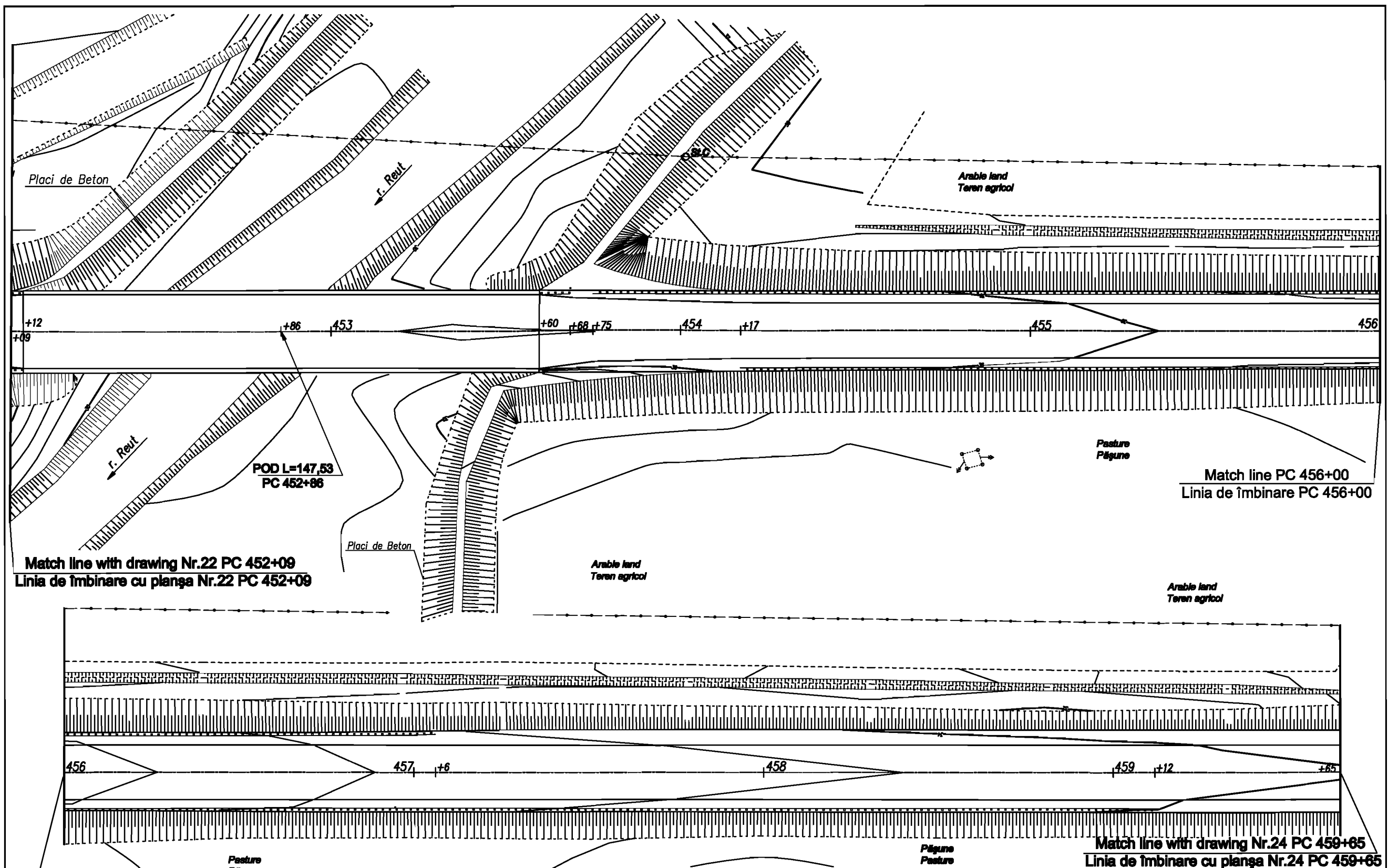
Match line with drawing Nr.22 PC 444+63  
 Linia de îmbinare cu planșa Nr.22 PC 444+63

Math line PC 440+84  
 Linia de îmbinare PC 440+84

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Olari	Scale	1:1000
	Road plan Plan drum PC 437+00 – PC 444+63		Checked	Bogza	Drawing	PD-DA-21
			Control STAS	Belic		



<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme</b>		<b>Support Project</b>			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
Drawing title: Road plan Plan drum PC 444+63 - PC 452+09		Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	PD-DA-22
		Control STAS	Belic		



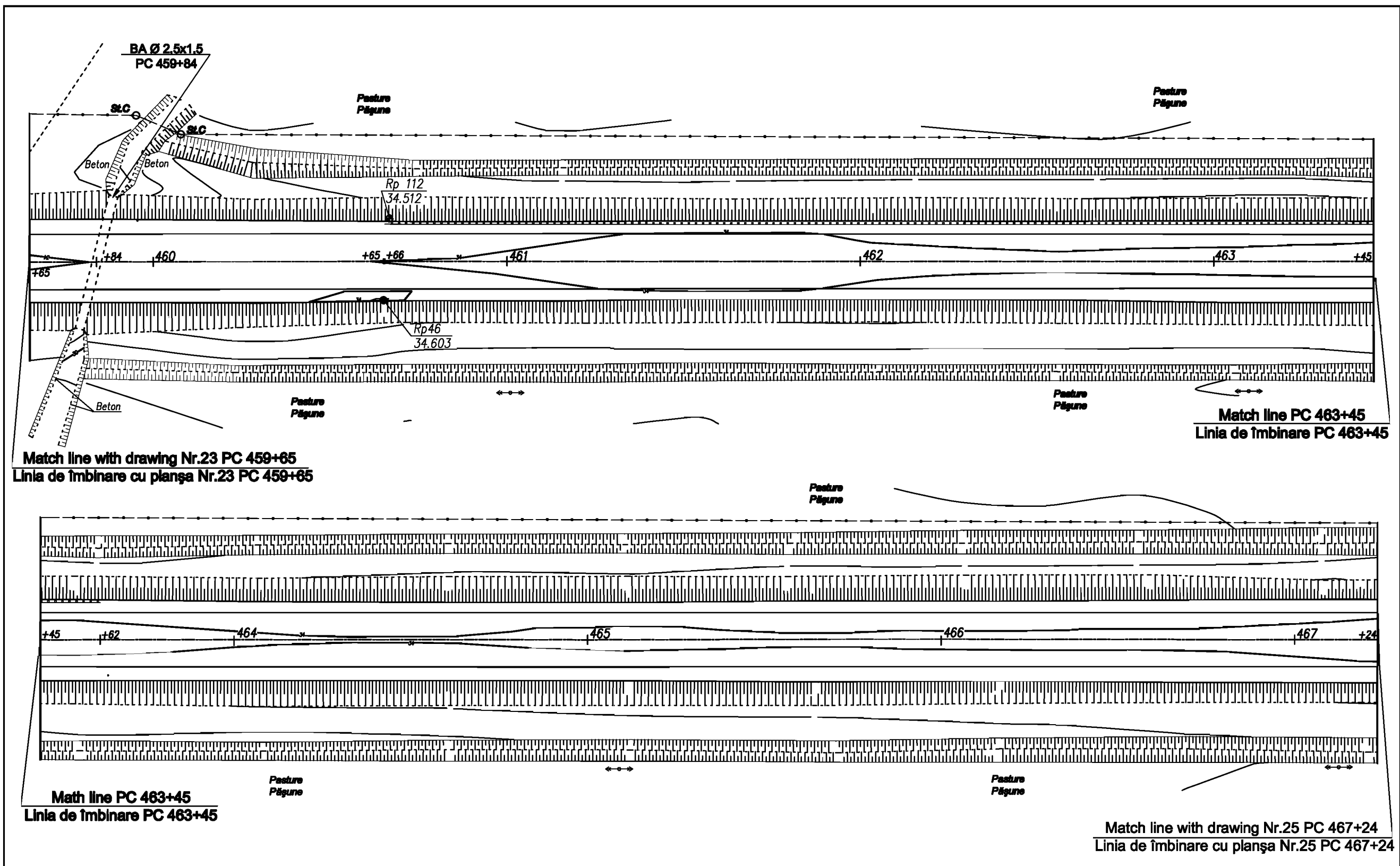
Match line with drawing Nr.22 PC 452+09  
Linia de îmbinare cu planșa Nr.22 PC 452+09

Match line PC 456+00  
Linia de îmbinare PC 456+00

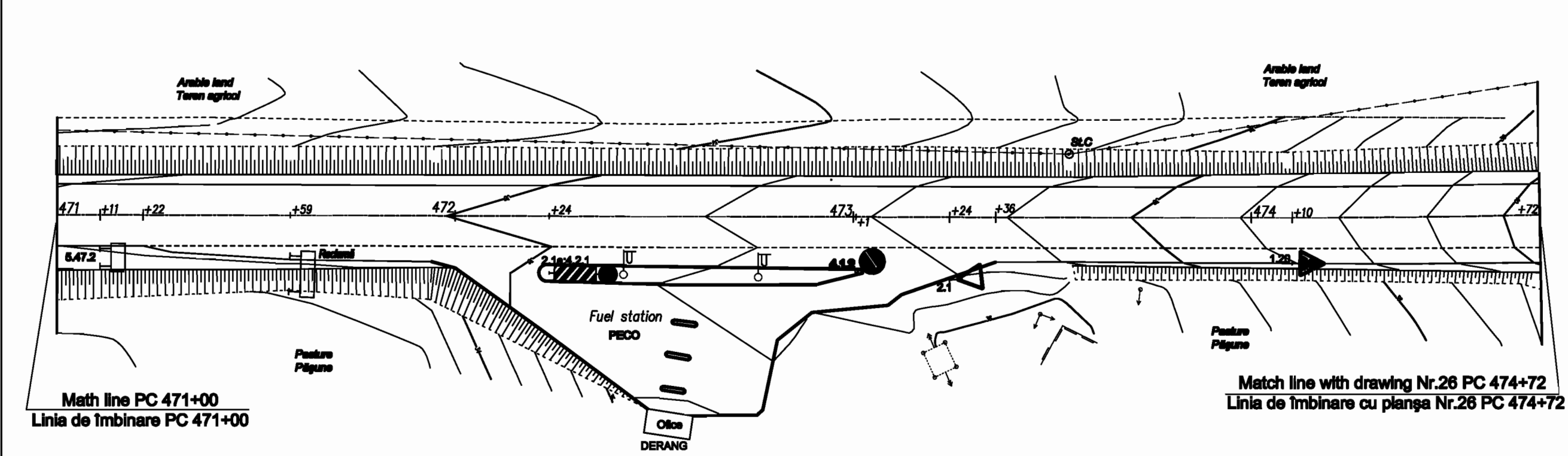
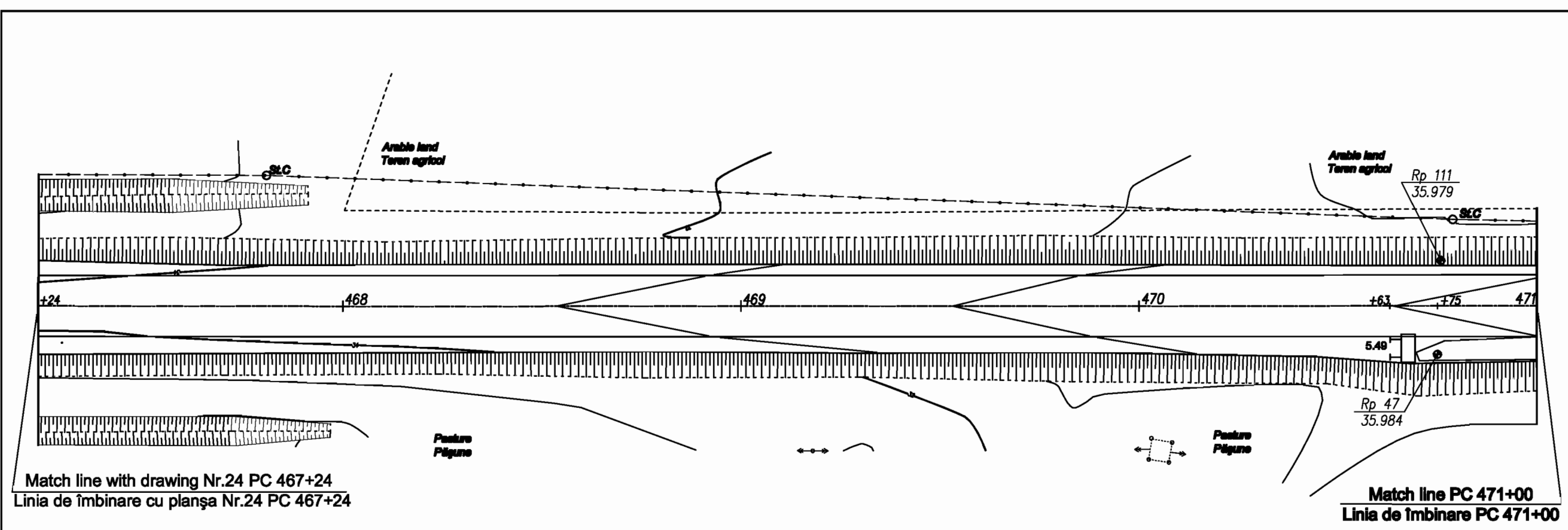
Math line PC 456+00  
Linia de îmbinare PC 456+00

Match line with drawing Nr.24 PC 459+65  
Linia de îmbinare cu planșa Nr.24 PC 459+65

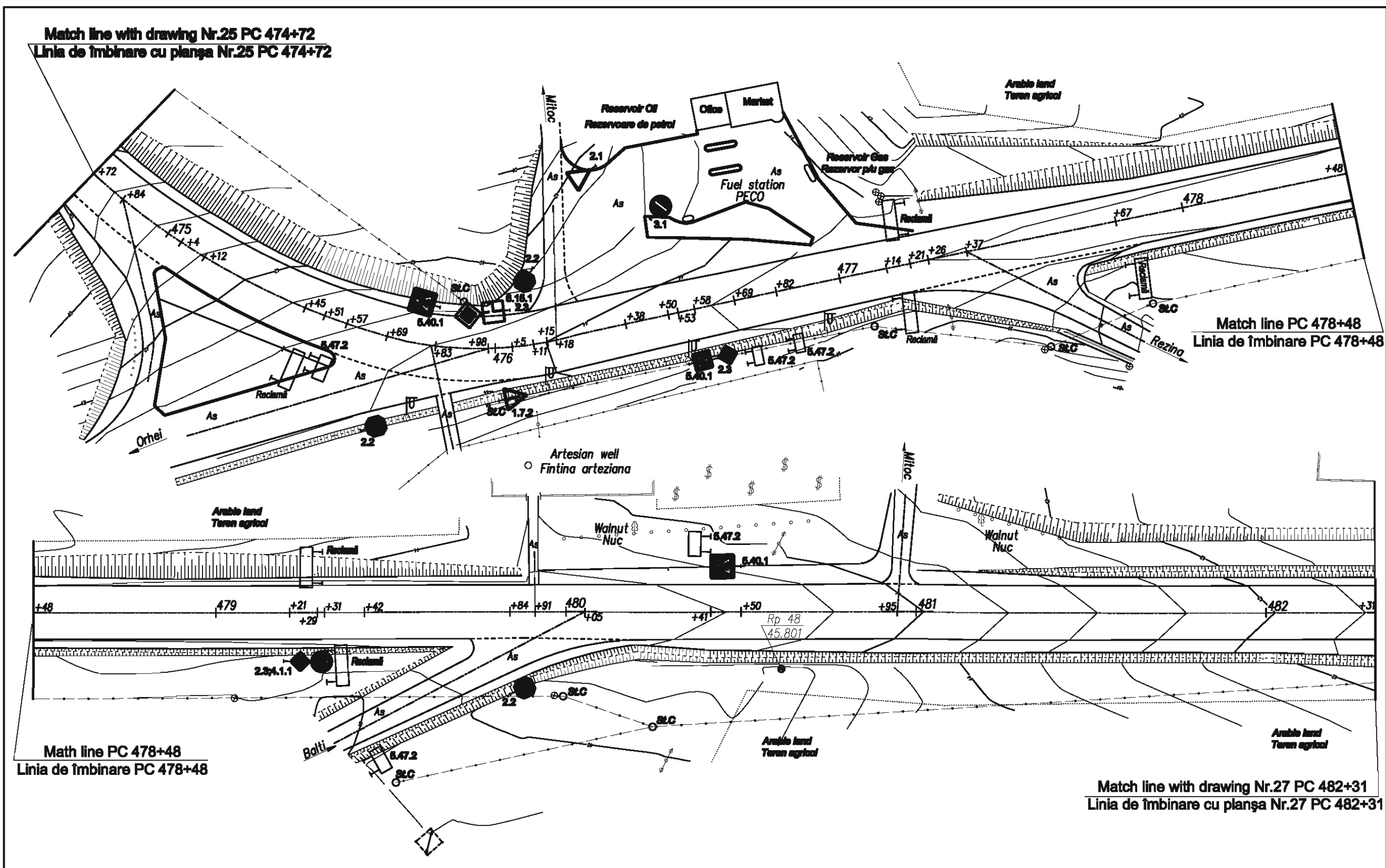
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>  Drawing title Road plan Plan drum PC 452+09 – PC 459+65	ISP	Bogza	Date	12.2007
		Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-23



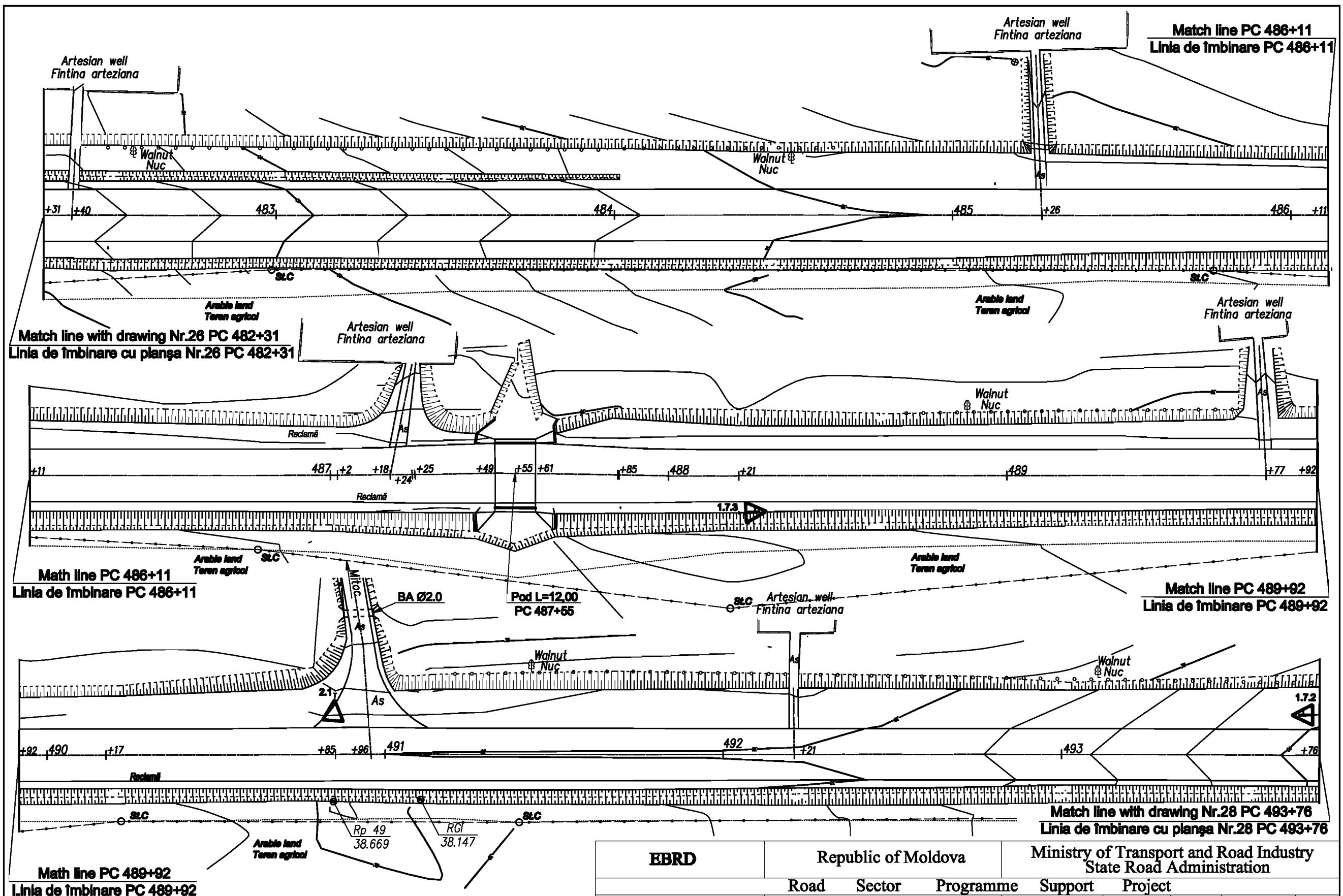
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of R3 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Road plan Plan drum PC 459+65 – PC 467+24	Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	PD-DA-24
		Control STAS	Belic		



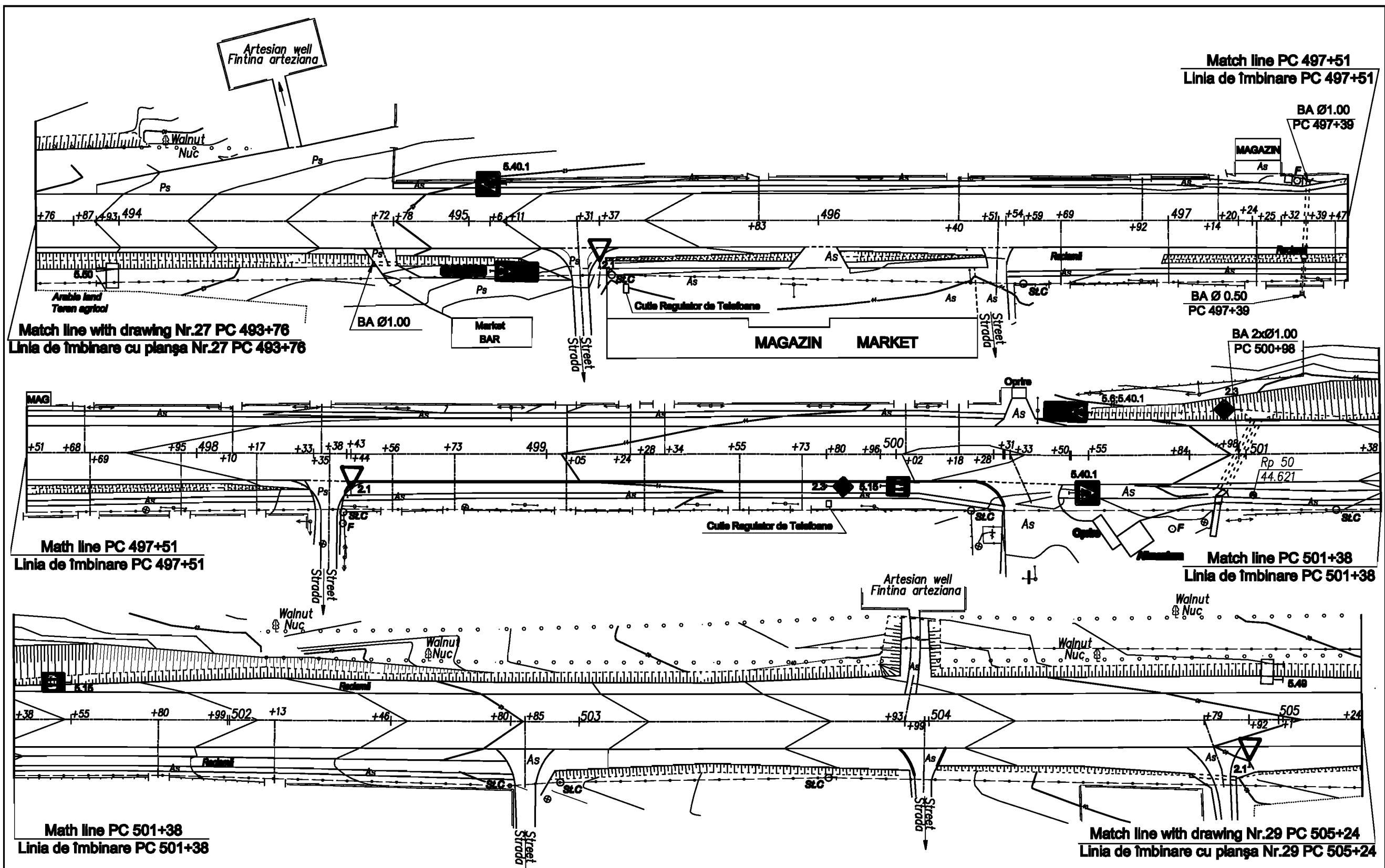
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme</b>		<b>Support Project</b>			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
Drawing title: Road plan Plan drum PC 467+24 - PC 474+72		Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing PD-DA-25	
		Control STAS	Belic		



<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărțeni</b>	ISP	Bogza	Date	12.2007
	Drawing title Road plan Plan drum PC 474+72 – PC 482+31	Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-26

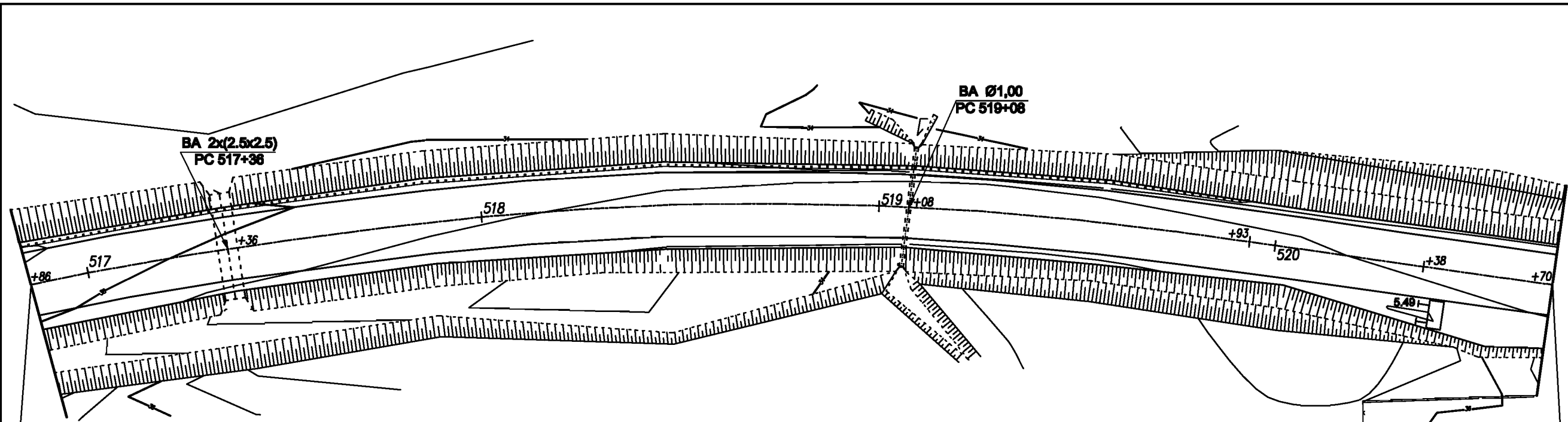


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Olari	Scale	1:1000
	Road plan Plan drum PC 482+31 - PC 493+76	Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-27



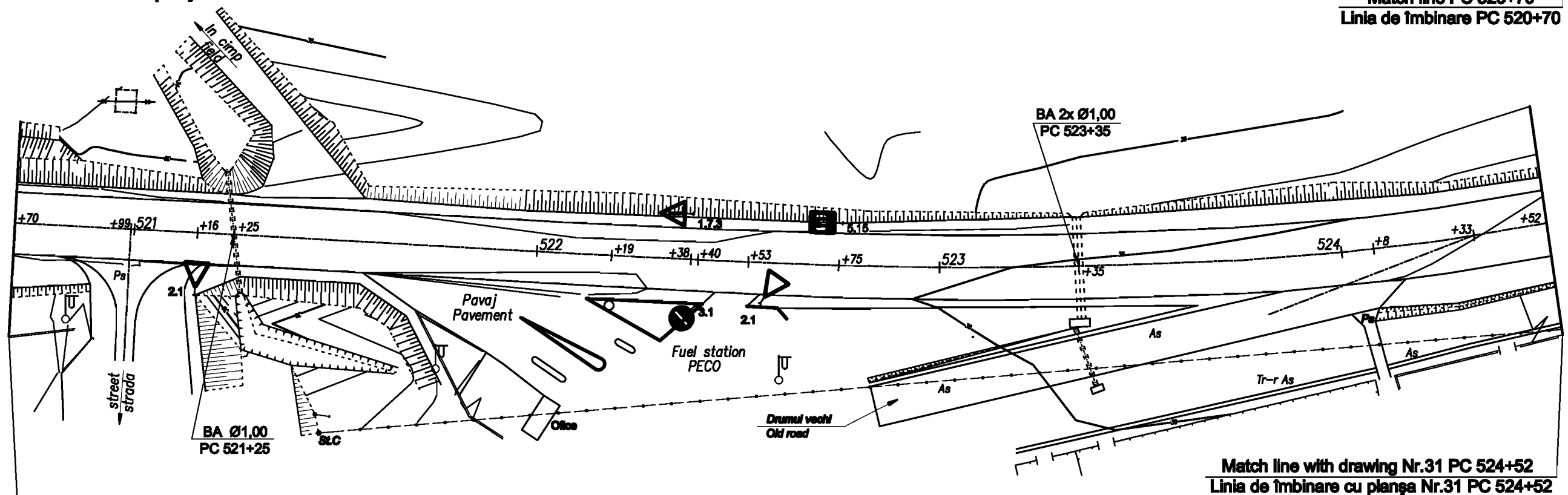
<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007	
	Drawing title	Road plan Plan drum PC 493+76 - PC 505+24	Designed	Olari	Scale	1:1000
			Checked	Bogza	Drawing	
			Control	STAS	Belic	PD-DA-28





Match line with drawing Nr.29 PC 516+86  
 Linia de îmbinare cu planșa Nr.29 PC 516+86

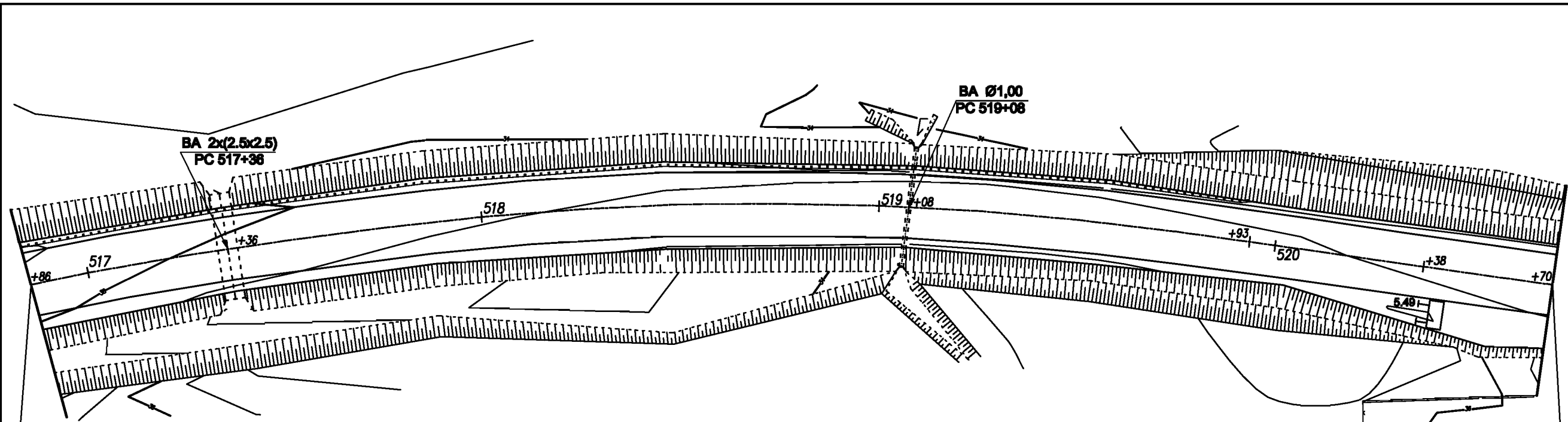
Match line PC 520+70  
 Linia de îmbinare PC 520+70



Math line PC 520+70  
 Linia de îmbinare PC 520+70

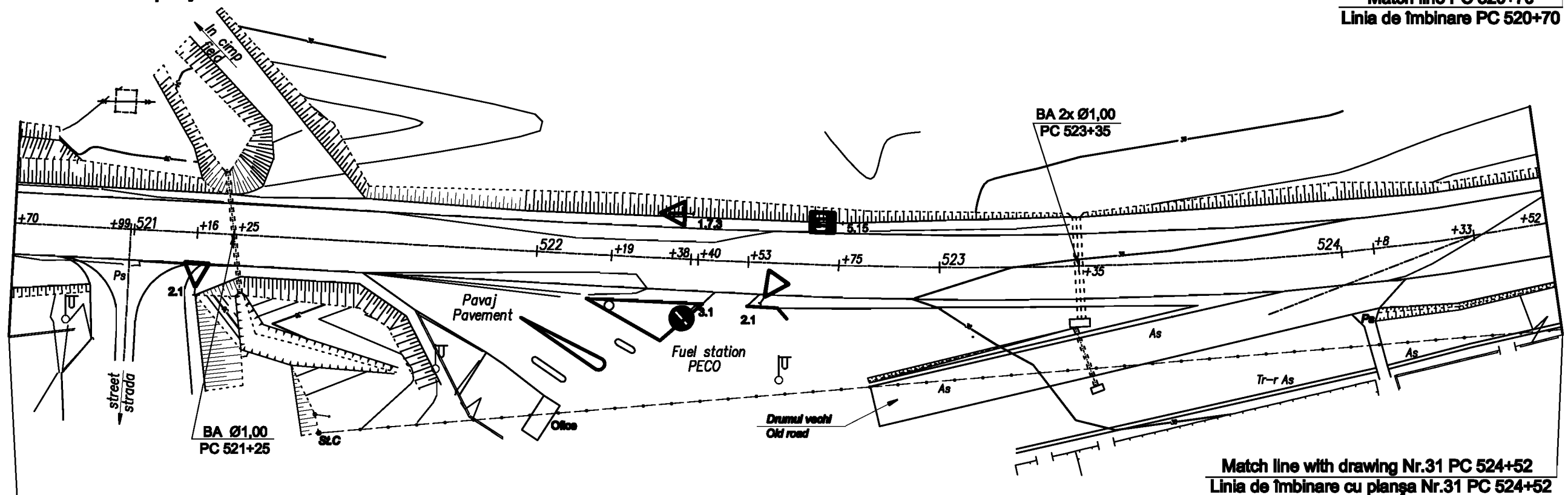
Match line with drawing Nr.31 PC 524+52  
 Linia de îmbinare cu planșa Nr.31 PC 524+52

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Olari	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic		PD-DA-30
Drawing title		Road plan Plan drum PC 516+86 - PC 524+52			



Match line with drawing Nr.29 PC 516+86  
 Linia de îmbinare cu planșa Nr.29 PC 516+86

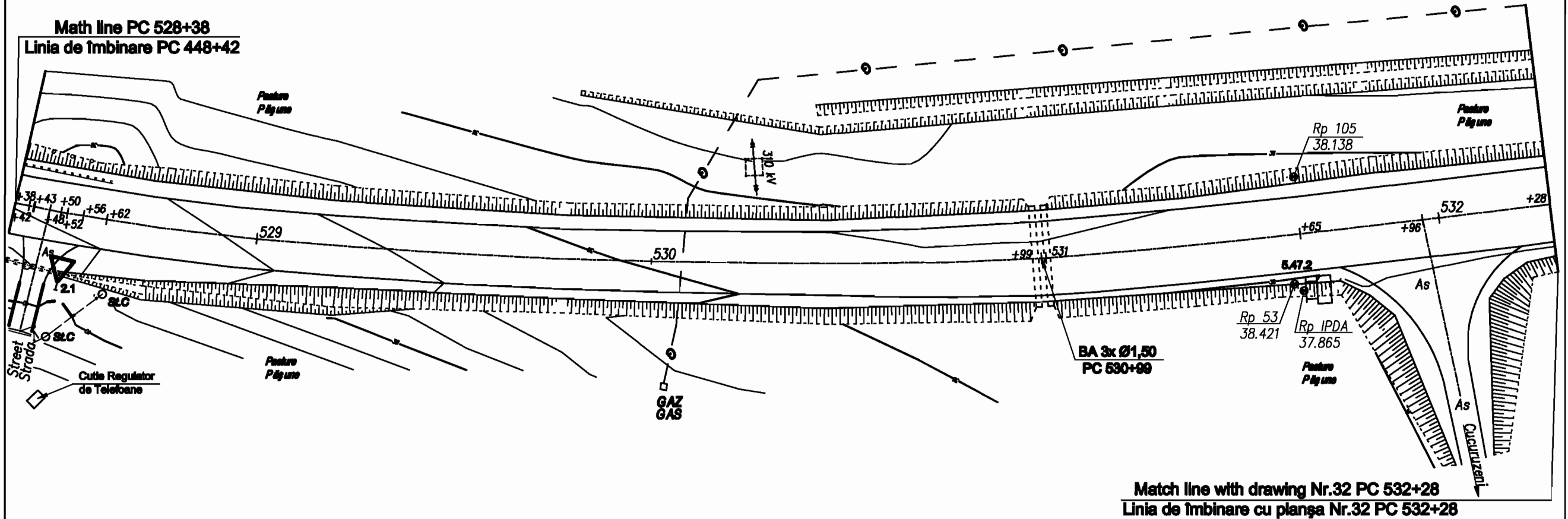
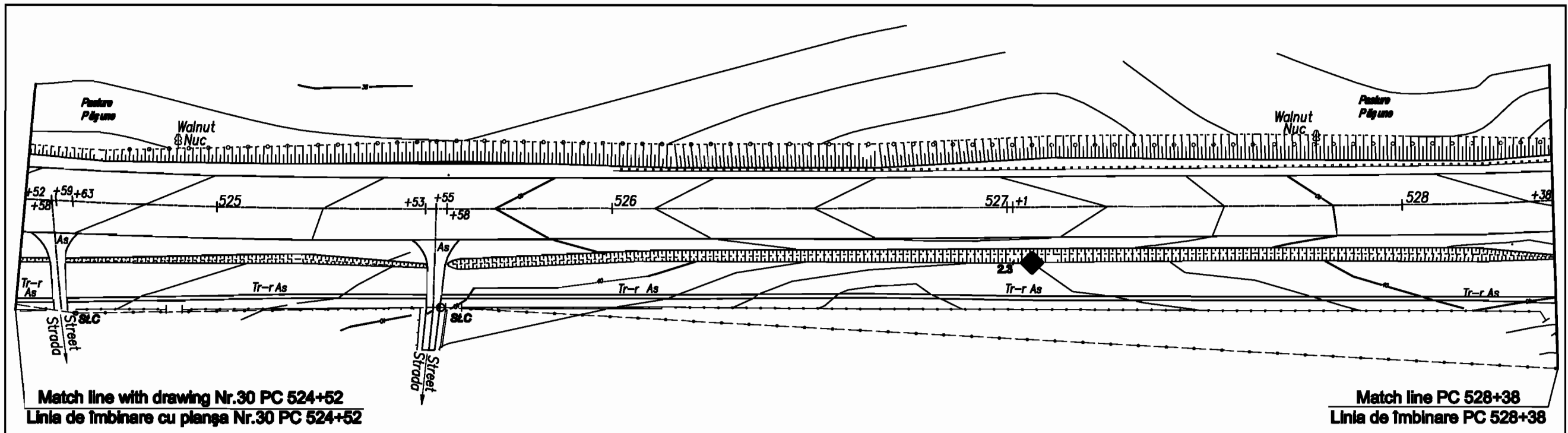
Match line PC 520+70  
 Linia de îmbinare PC 520+70



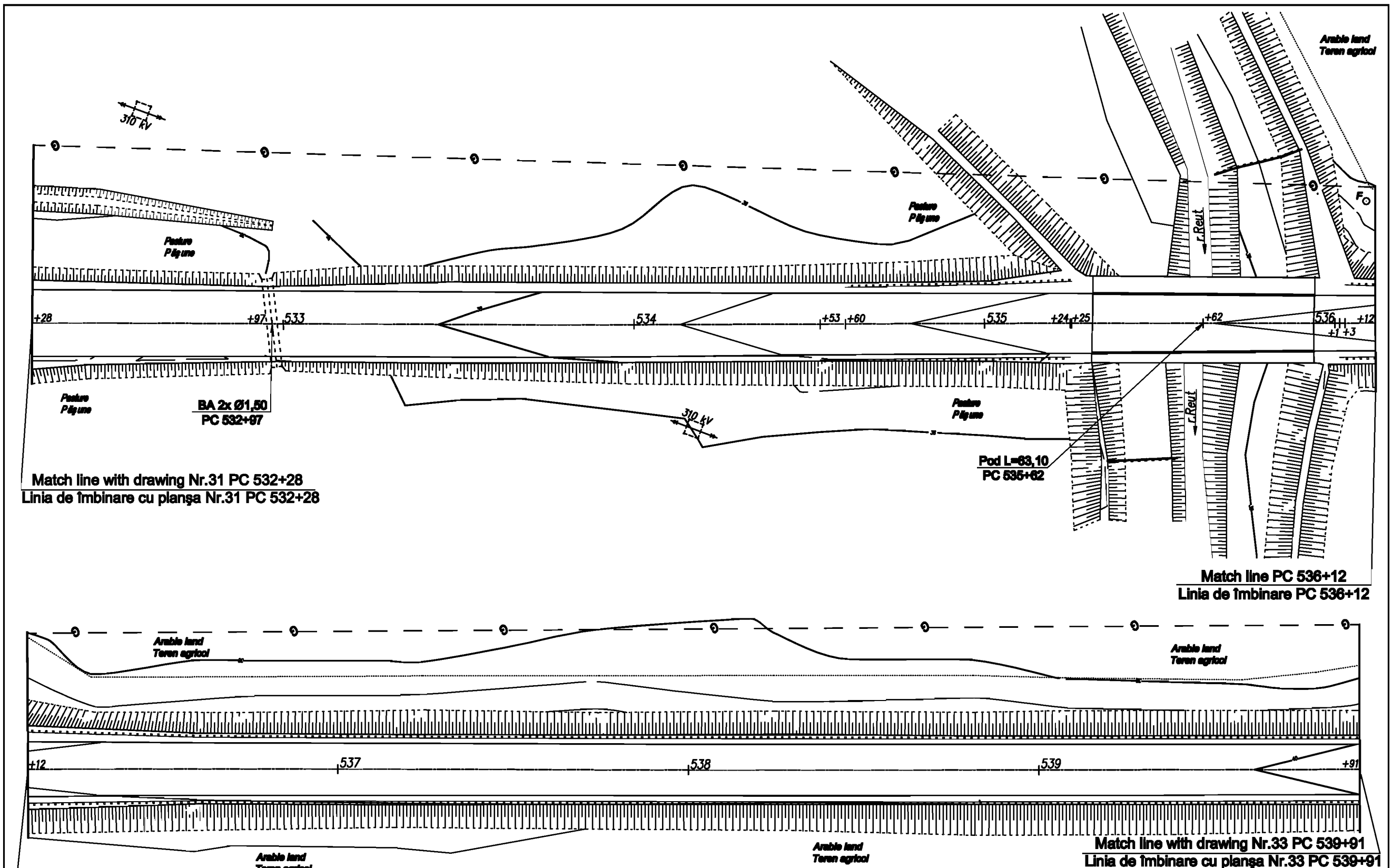
Match line PC 520+70  
 Linia de îmbinare PC 520+70

Match line with drawing Nr.31 PC 524+52  
 Linia de îmbinare cu planșa Nr.31 PC 524+52

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>  Drawing title Road plan Plan drum PC 516+86 - PC 524+52	ISP	Bogza	Date	12.2007
		Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-30



<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Olari	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic	PD-DA-31	
Drawing title		Road plan Plan drum PC 524+52 - PC 532+28			



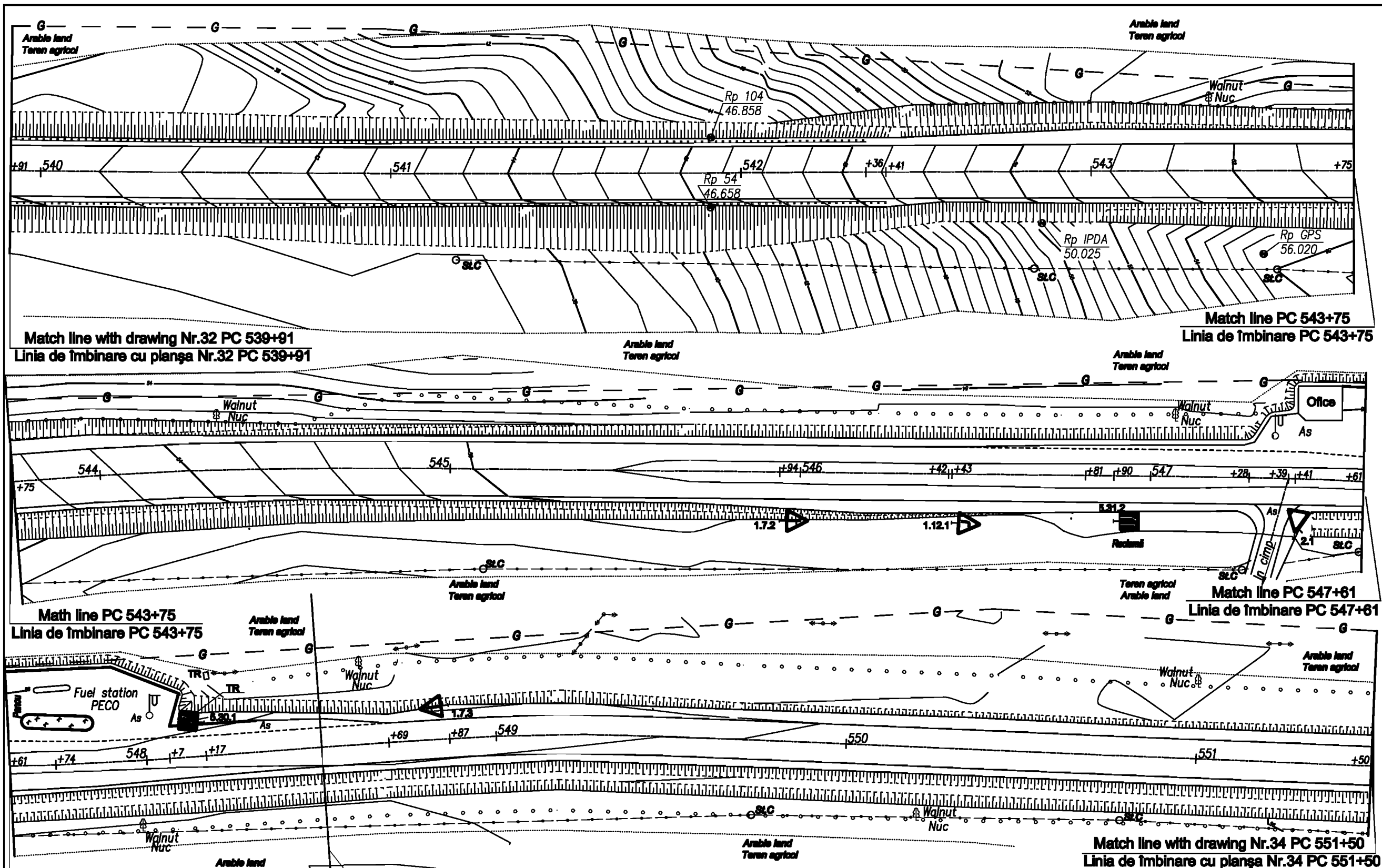
Match line with drawing Nr.31 PC 532+28  
 Linia de îmbinare cu planșa Nr.31 PC 532+28

Match line PC 536+12  
 Linia de îmbinare PC 536+12

Math line PC 536+12  
 Linia de îmbinare PC 536+12

Match line with drawing Nr.33 PC 539+91  
 Linia de îmbinare cu planșa Nr.33 PC 539+91

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title Road plan Plan drum PC 532+28 – PC 539+91	Designed	Olari	Scale	1:1000
		Checked	Bogza	Drawing	
		Control STAS	Belic		PD-DA-32



Match line with drawing Nr.32 PC 539+91  
Linia de îmbinare cu planșa Nr.32 PC 539+91

Match line PC 543+75  
Linia de îmbinare PC 543+75

Math line PC 543+75  
Linia de îmbinare PC 543+75

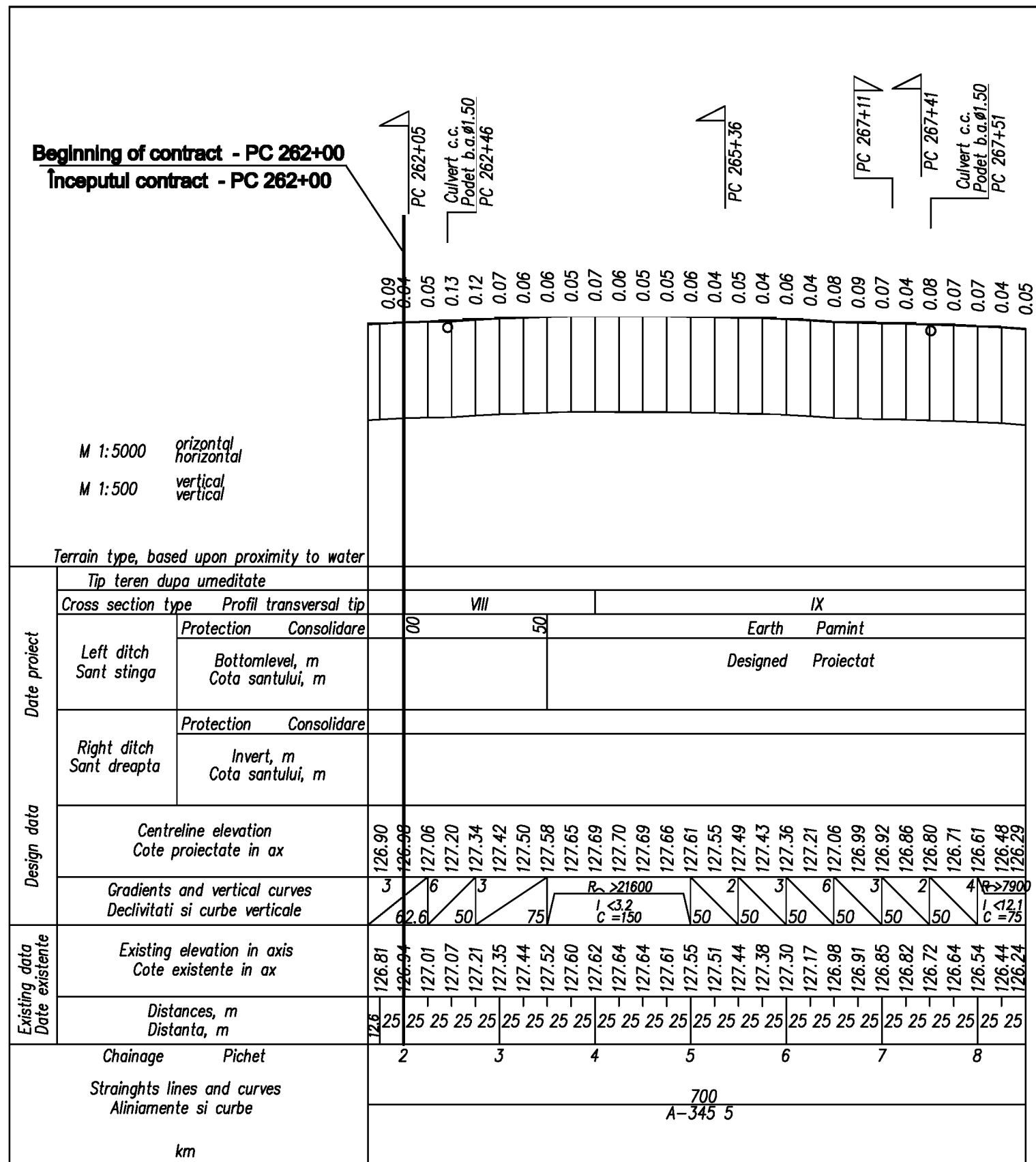
Match line PC 547+61  
Linia de îmbinare PC 547+61

Math line PC 547+61  
Linia de îmbinare PC 547+61

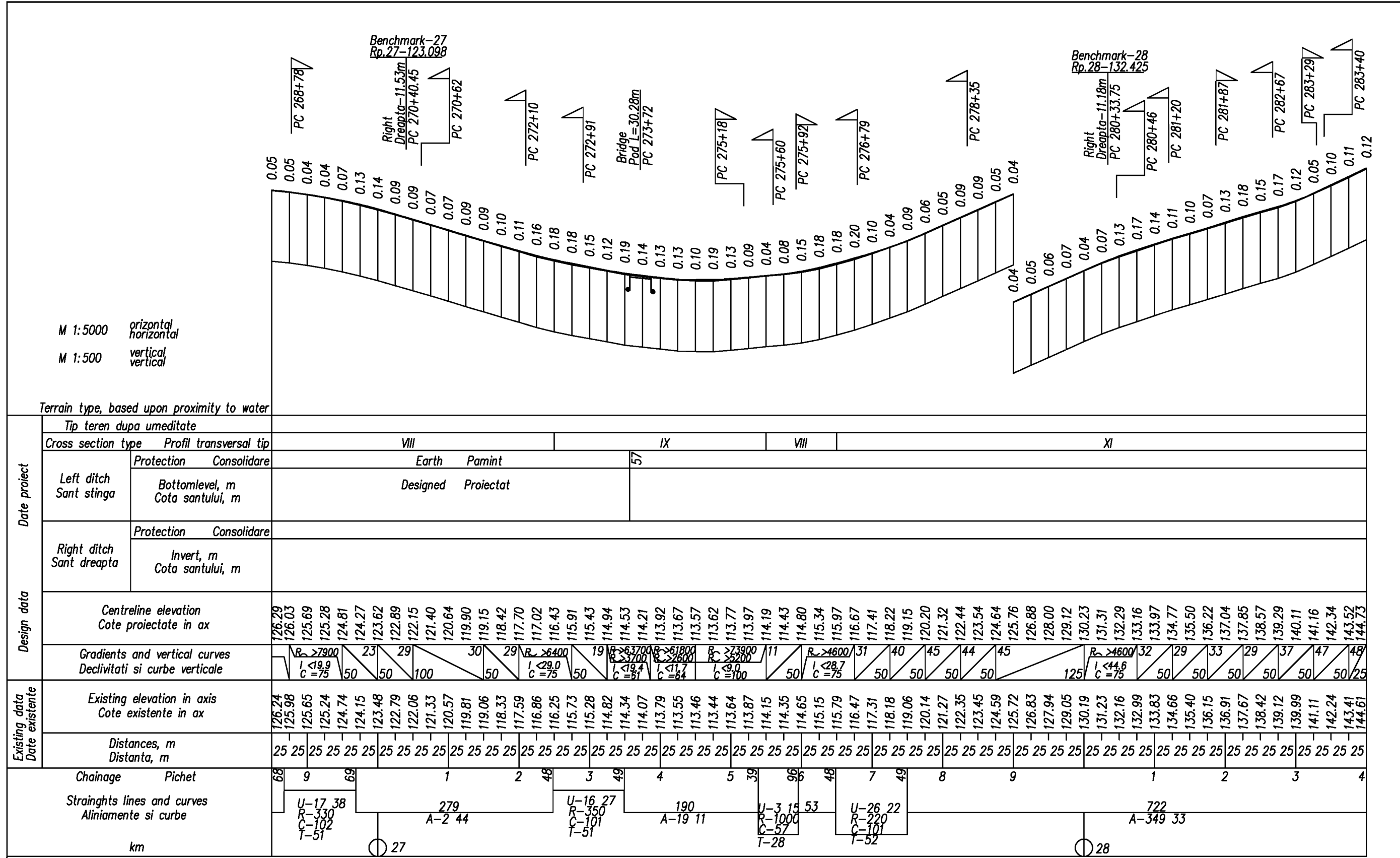
Match line with drawing Nr.34 PC 551+50  
Linia de îmbinare cu planșa Nr.34 PC 551+50

End of the contract PC 548+50  
Sfârșitul contractului PC 548+50

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International	<b>Rehabilitation of R3 Road Chisinau-Sărăteni</b> Drawing title: Road plan Plan drum PC 539+91 - PC 551+50	ISP	Bogza	Date	12.2007
TRL		Designed	Olari	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic		PD-DA-33



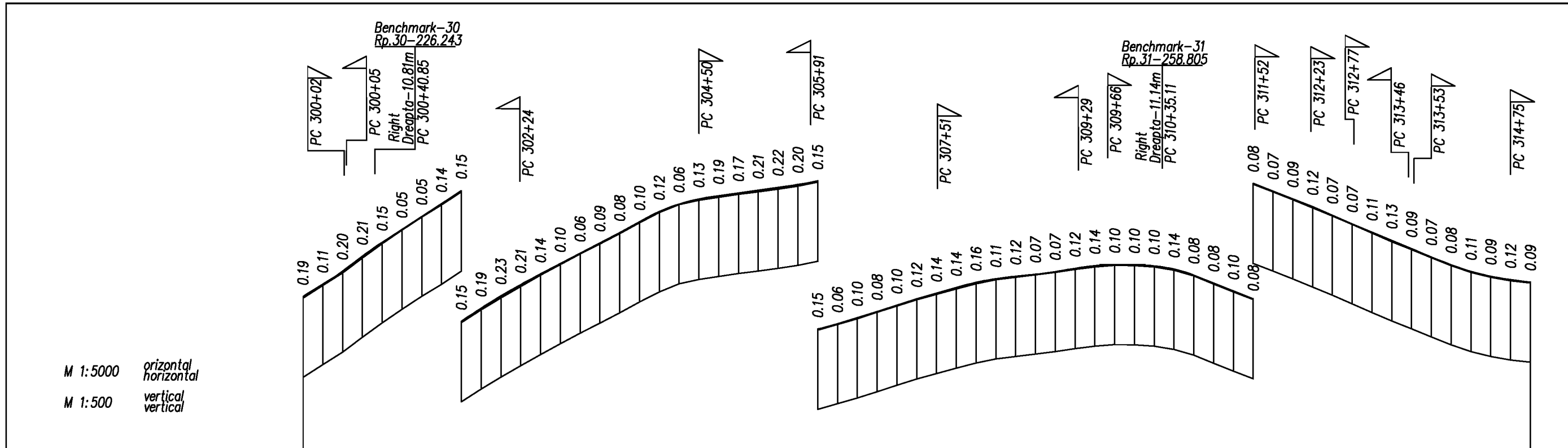
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support	Project		
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Longitudinal Profile	Designed	Gisca	Scale	1:500
	Profil Longitudinal: PC261+67.40-PC268+50	Checked	Bogza	Drawing	PL-DA-1
		Control STAS	Belic		



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date
	Drawing title		Designed	Gisca	Scale
	Longitudinal Profile Profil Longitudinal PC 268+50 - PC 284+00		Checked	Bogza	Drawing
			Control STAS	Belic	<b>PL-DA-2</b>
					12.2007
					1:500





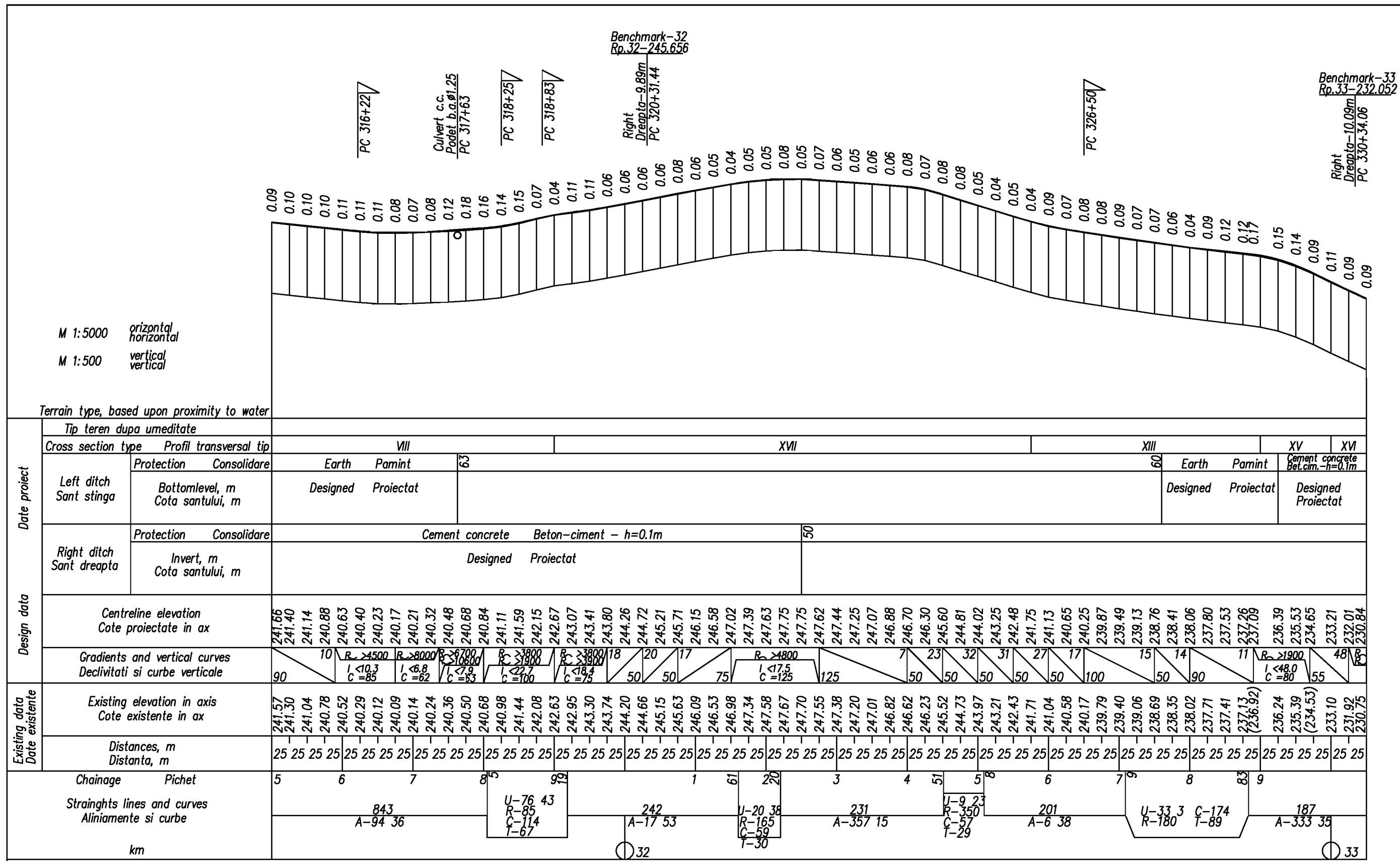


M 1:5000 horizontal  
M 1:500 vertical

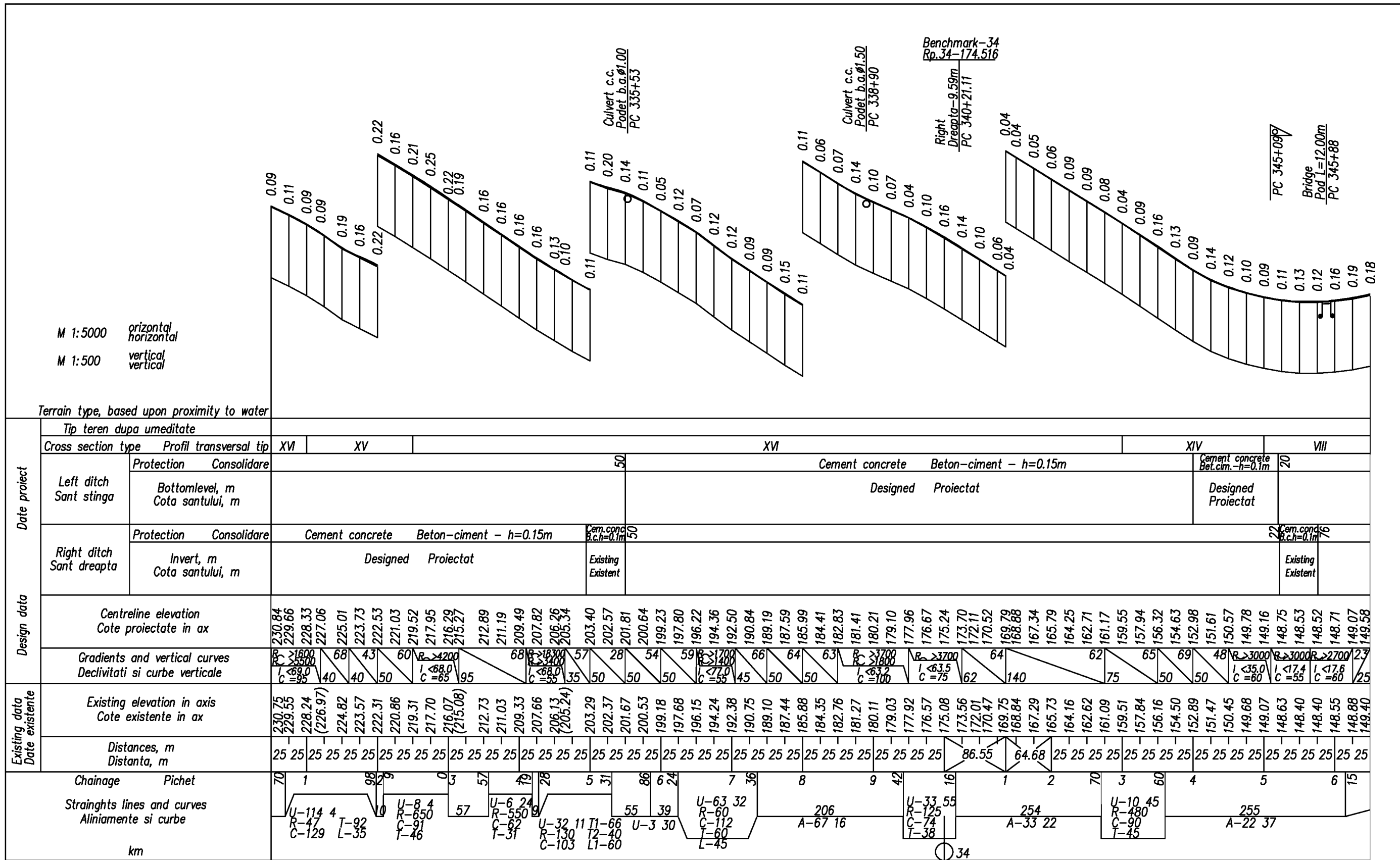
Terrain type, based upon proximity to water

Date proiect		Tip teren dupa umeditate	
Cross section type		Profil transversal tip	
Left ditch Sant stinga		XII	
Protection		Consolidare	
Bottomlevel, m Cota santului, m		Designed Proiectat	
Right ditch Sant dreapta		VIII	
Protection		Consolidare	
Invert, m Cota santului, m		Designed Proiectat	
Design data		Cement concrete Beton ciment-h=0.1m	
Centreline elevation Cote proiectate in ax		Designed Proiectat	
Gradients and vertical curves Declivitati si curbe verticale		Cement concrete Beton ciment-h=0.1m	
Existing elevation in axis Cote existente in ax		Designed Proiectat	
Distances, m Distanta, m		Cement concrete Beton ciment-h=0.1m	
Chainage Pichet		Designed Proiectat	
Straight lines and curves Aliniamente si curbe		Cement concrete Beton ciment-h=0.1m	
km		Designed Proiectat	

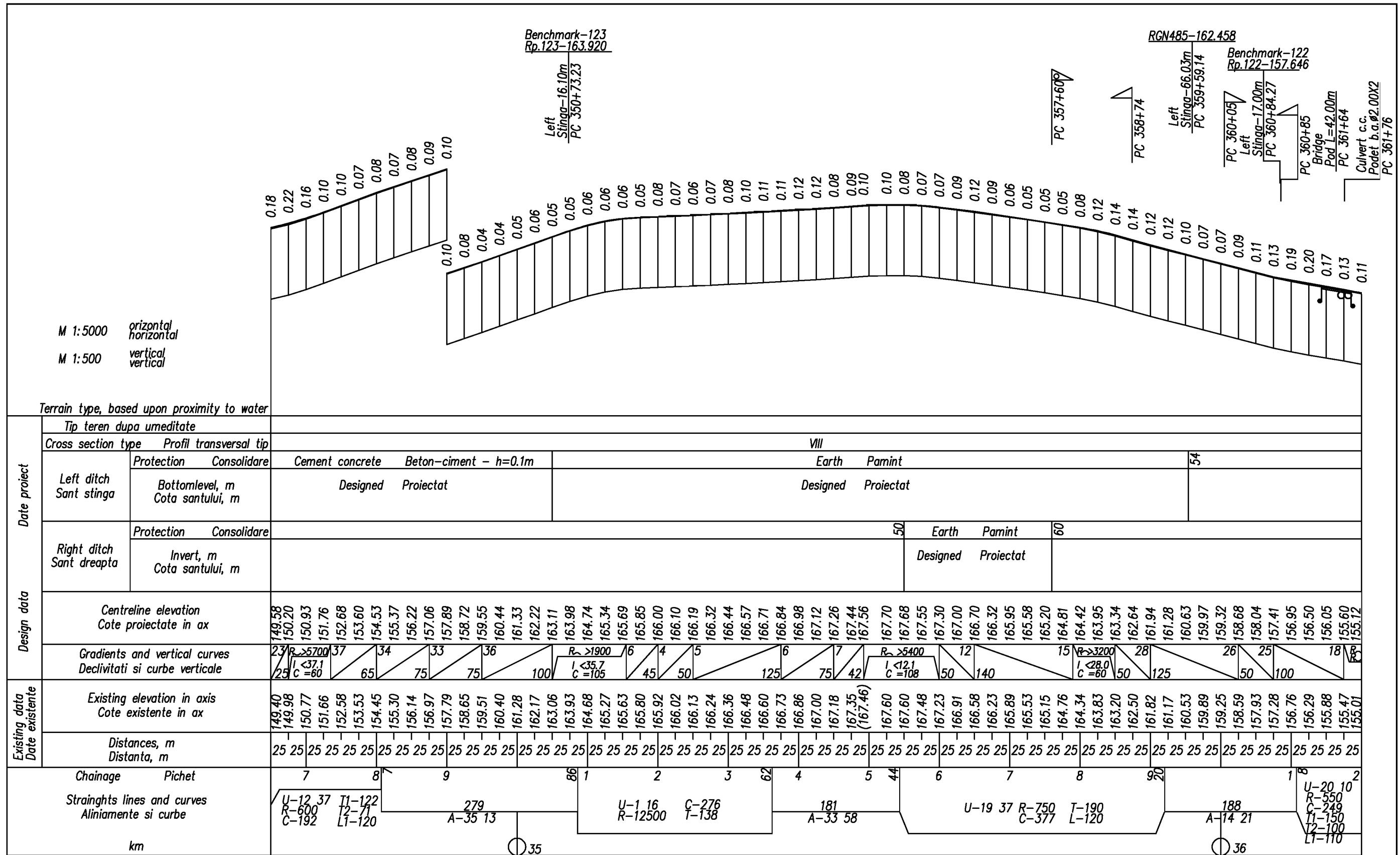
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal PC 299+50 - PC 315+00	Checked	Bogza	Drawing	PL-DA-4
		Control STAS	Belic		



EBRD	Republic of Moldova	Ministry of Transport and Road Industry			
		State Road Administration			
	Road Sector	Programme	Support	Project	
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date 12.2007
	Drawing title Longitudinal Profile Profil Longitudinal PC 315+00 - PC 330+50		Designed	Gisca	Scale 1:500
			Checked	Bogza	Drawing FL-DA-5
			Control STAS	Belic	

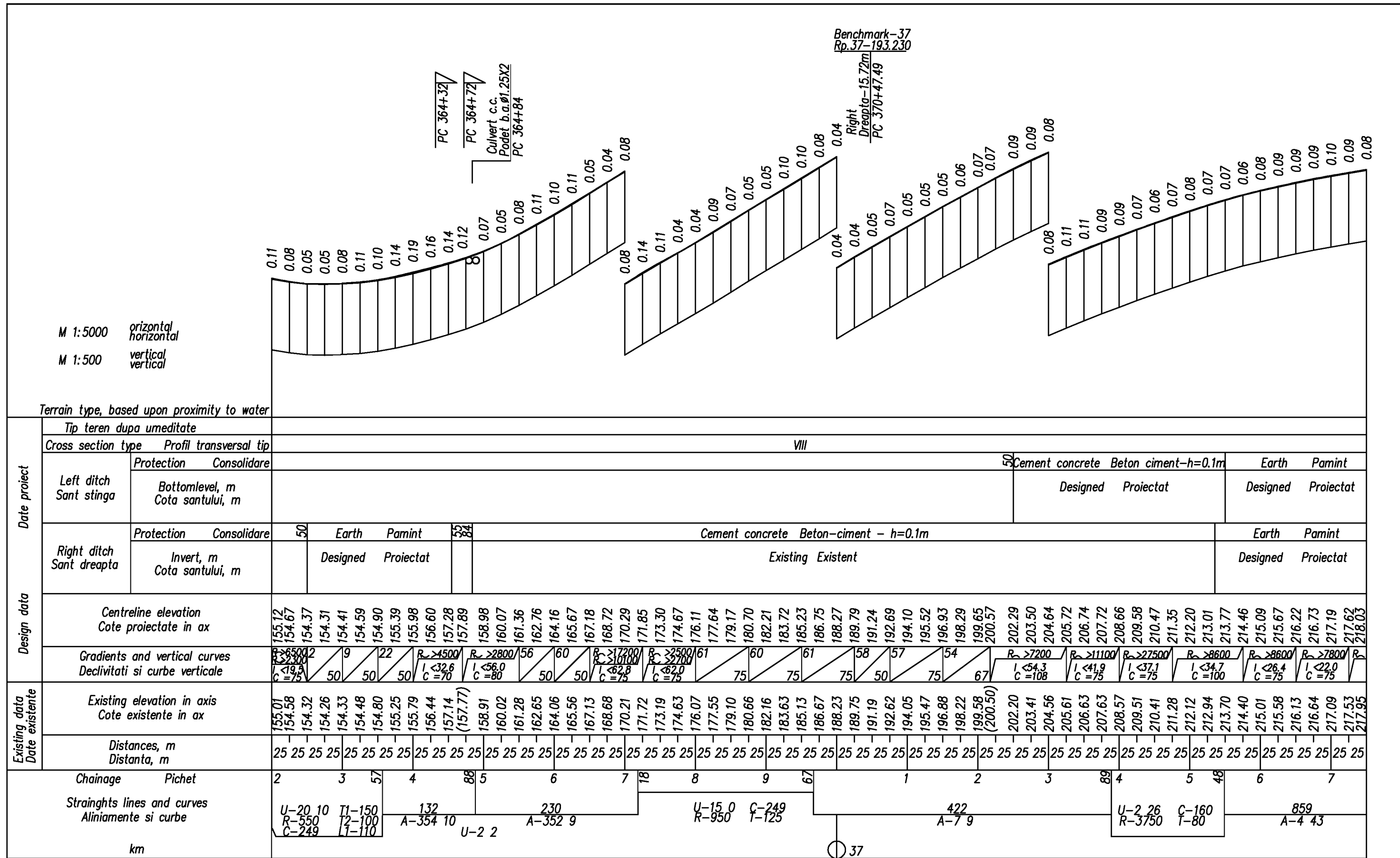


EBRD	Republic of Moldova	Ministry of Transport and Road Industry	
		State Road Administration	
	Road Sector Programme Support Project		
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărateni</b>	ISP Designed Checked Control STAS	Bogza Gisca Bogza Belic
	Longitudinal Profile Profil Longitudinal PC 330+50 - PC 346+50	Date Scale Drawing	12.2007 1:500 PL-DA-6

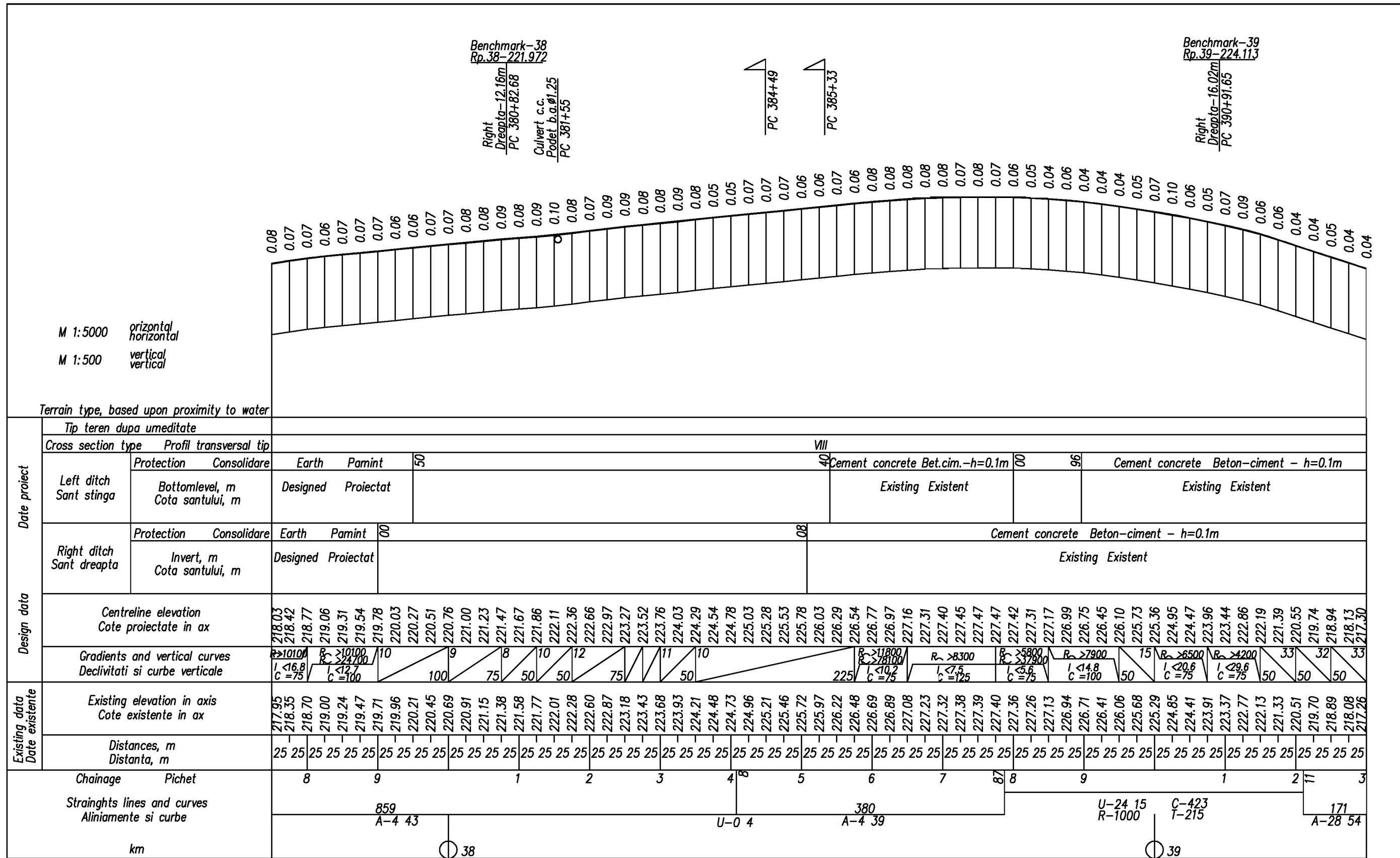


Date proiect	Tip teren dupa umeditate				
	Cross section type	VIII			
Left ditch Sant stinga	Protection	Consolidare	Cement concrete	Beton-ciment - h=0.1m	54
	Bottomlevel, m	Cota santului, m	Designed	Proiectat	
Right ditch Sant dreapta	Protection	Consolidare			50
	Invert, m	Cota santului, m	Designed	Proiectat	60
Design data	Centreline elevation	Cote proiectate in ax			
	Gradients and vertical curves	Declivitati si curbe verticale			
Existing data Date existente	Existing elevation in axis	Cote existente in ax			
	Distances, m	Distanta, m			
Chainage	Pichet				
Straight lines and curves	Aliniamente si curbe				
	km				

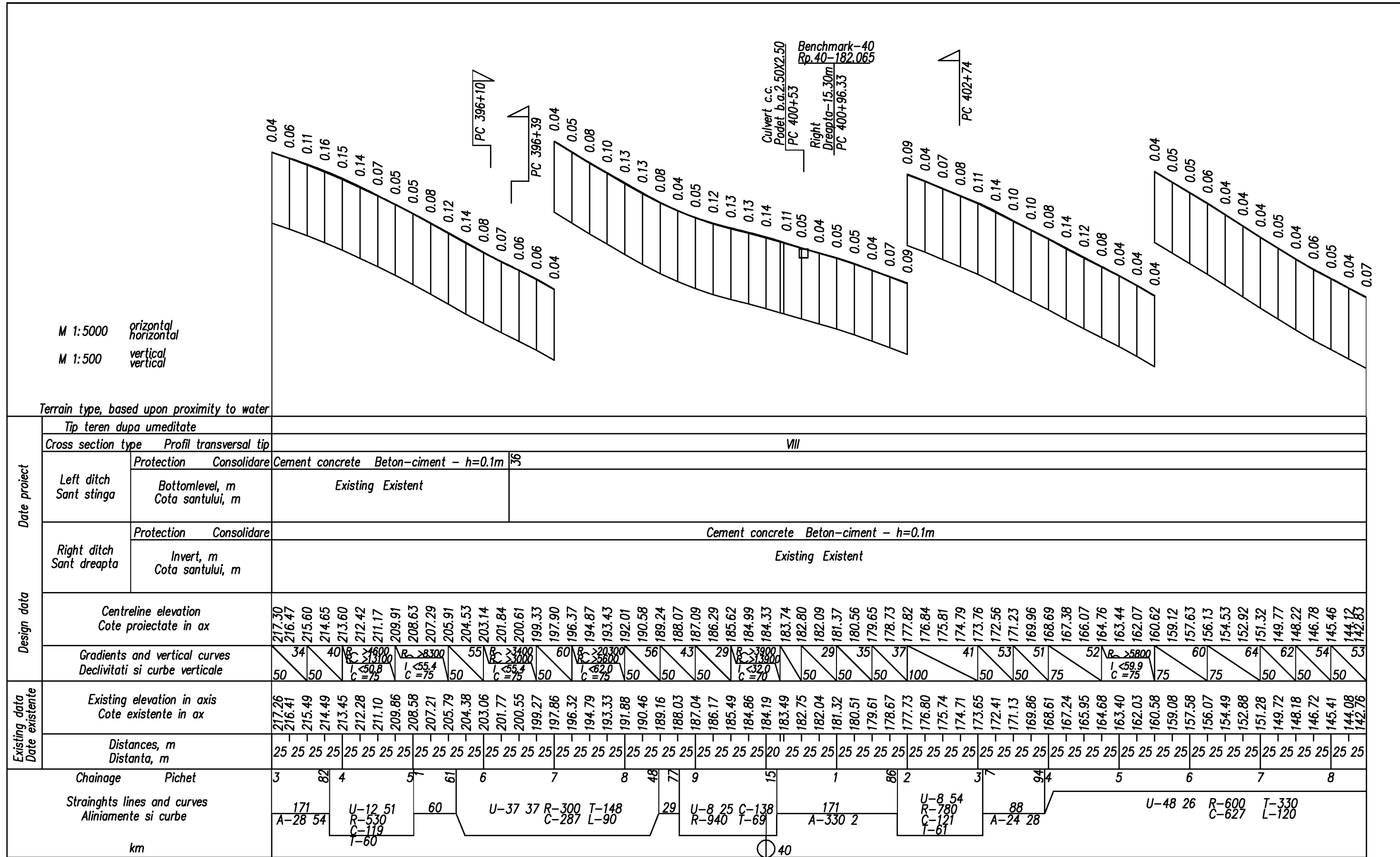
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project						
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal PC 346+50 - PC 362+00		Checked	Bogza	Drawing	PL-DA-7
		Control STAS	Belic			



<p><b>EBRD</b></p>		<p><b>Republic of Moldova</b></p>		<p><b>Ministry of Transport and Road Industry</b> <b>State Road Administration</b></p>			
<p><b>Roughton International</b> <b>TRL</b> <b>Blizzard</b> <b>Universcons</b></p>		<p><b>Road Sector Programme Support Project</b></p>		<p><b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b></p>			
<p>Drawing title Longitudinal Profile Profil Longitudinal PC 362+00 - PC 377+50</p>		<p>ISP Designed Checked Control STAS</p>		<p>Bogza Gisca Bogza Belic</p>		<p>Date Scale Drawing <b>PL-DA-8</b></p>	
				<p>12.2007</p>		<p>1:500</p>	

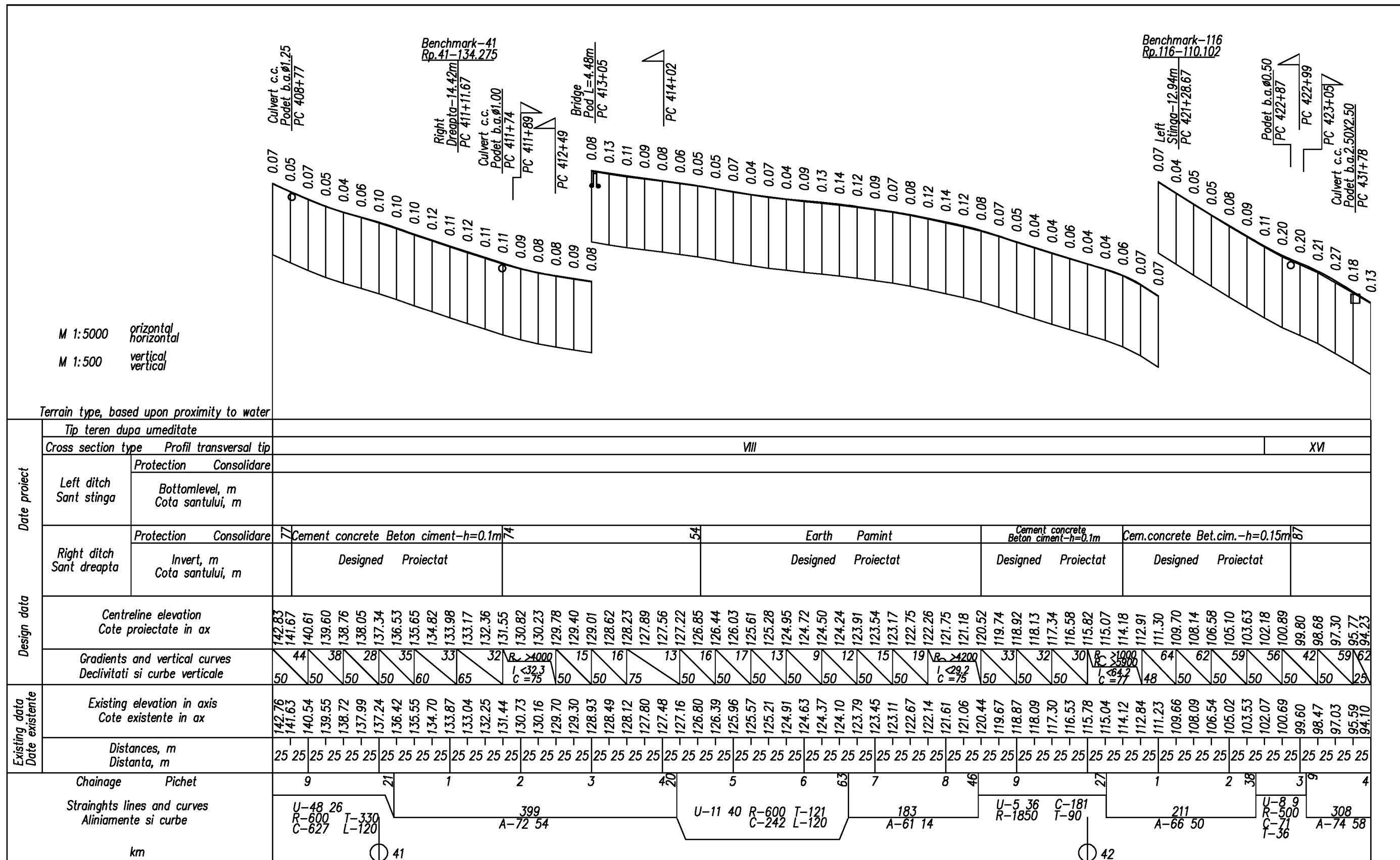


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme		Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal		Checked	Bogza	Drawing	
	PC 377+50 - PC 393+00		Control STAS	Belic	PL-DA-9	



Date protect		Profil transversal tip		VIII	
Left ditch Sant stinga	Protection	Consolidare	Cement concrete	Beton-ciment - h=0.1m	56
	Bottomlevel, m Cota santului, m	Existing Existent			
Right ditch Sant dreapta	Protection	Consolidare	Cement concrete Beton-ciment - h=0.1m		
	Invert, m Cota santului, m	Existing Existent			
Centreline elevation Cote proiectate in ax		217.30	216.47	215.60	214.65
Gradients and vertical curves Declivitati si curbe verticale		34	40	46	30
Existing elevation in axis Cote existente in ax		217.26	216.41	215.49	214.49
Distances, m Distanta, m		25	25	25	25
Chainage Pichet		3	82	4	5
Straights lines and curves Aliniamente si curbe		A-28 54	U-12 51 R-530 C-119 T-60	60	U-37 37 R-300 T-148 C-287 L-90

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
Drawing title		Designed	Gisca	Scale	1:500
Longitudinal Profile Profil Longitudinal PC 393+00 - PC 408+50		Checked	Bogza	Drawing	PL-DA-10
		Control STAS	Belic		



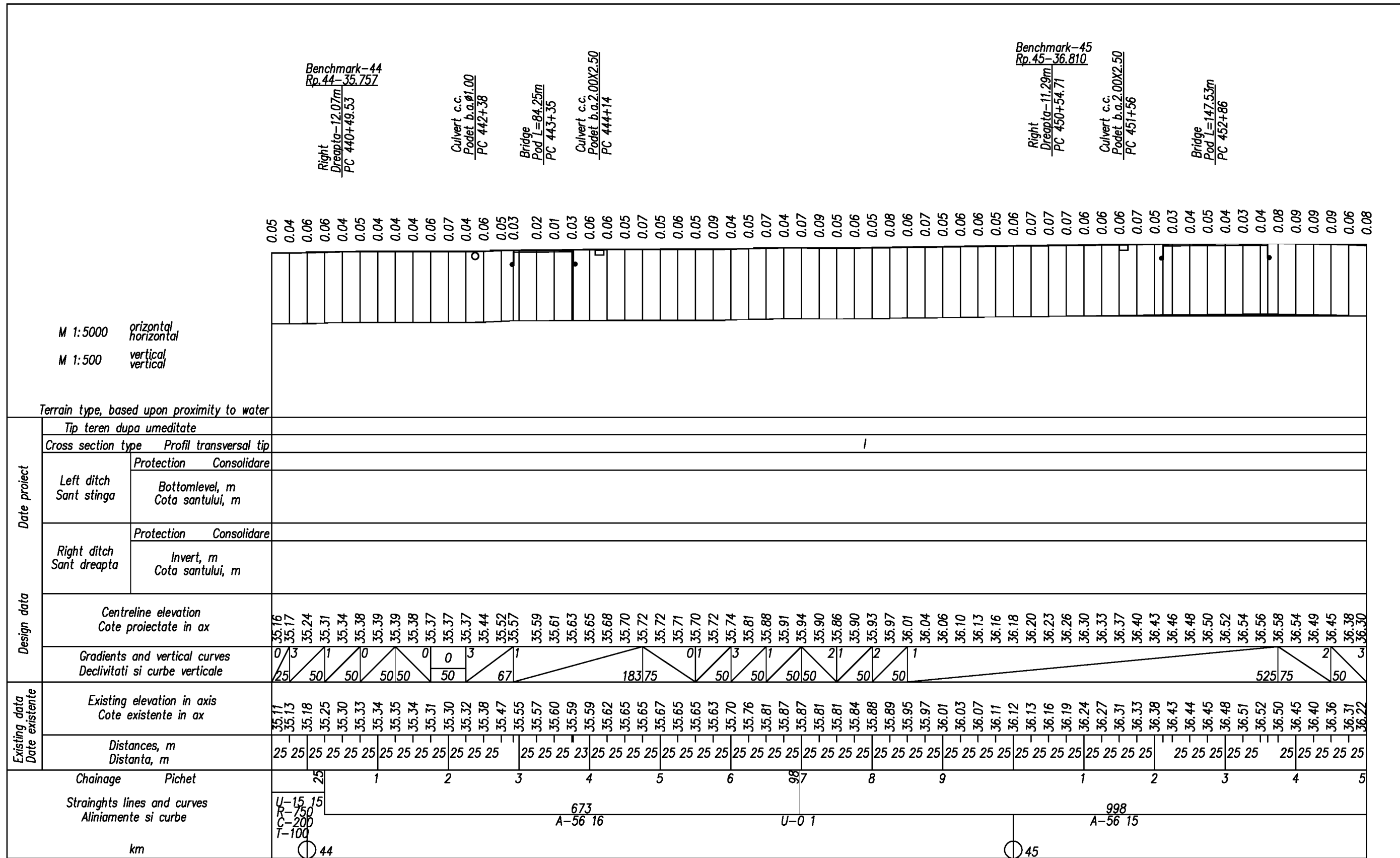
Date proiect		Tip teren dupa umeditate	
Cross section type		Profil transversal tip	
Left ditch		Protection Consolidare	
Right ditch		Protection Consolidare	
Bottomlevel, m Cota santului, m			
Invert, m Cota santului, m		Cement concrete Beton ciment-h=0.1m	Cem.concrete Bet.cim.-h=0.15m
Designed	Proiectat	Designed	Proiectat
Centreline elevation Cote proiectate in ax			
Gradients and vertical curves Declivitati si curbe verticale			
Existing elevation in axis Cote existente in ax			
Distances, m Distanta, m			
Chainage Pichet			
Straight lines and curves Aliniamente si curbe			

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector		Programme	Support	Project	
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP Designed Checked Control STAS	Bogza Gisca Bogza Belic	Date Scale Drawing 12.2007 1:500 PL-DA-11
Drawing title		Longitudinal Profile Profil Longitudinal PC 408+50 - PC 424+00			

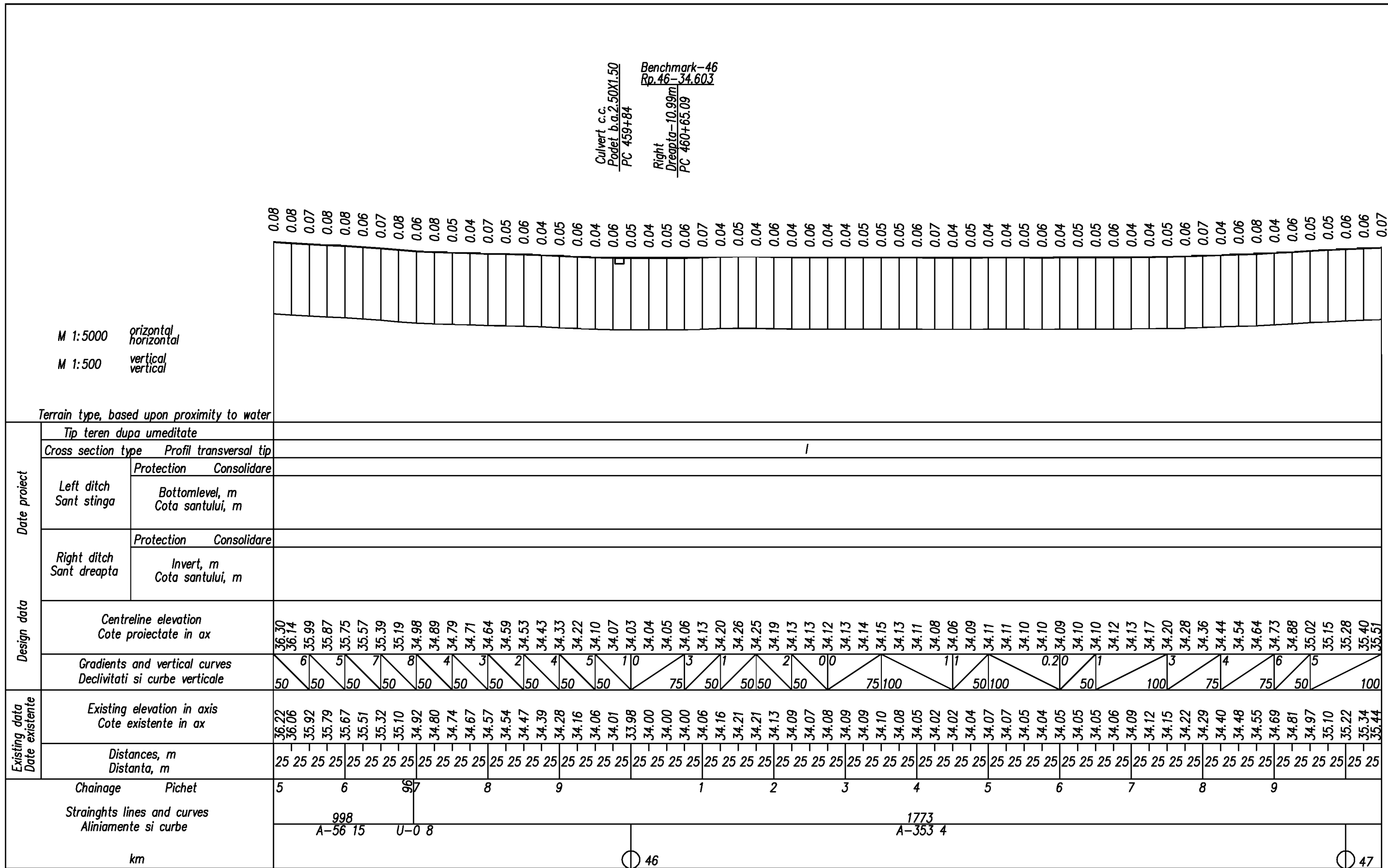




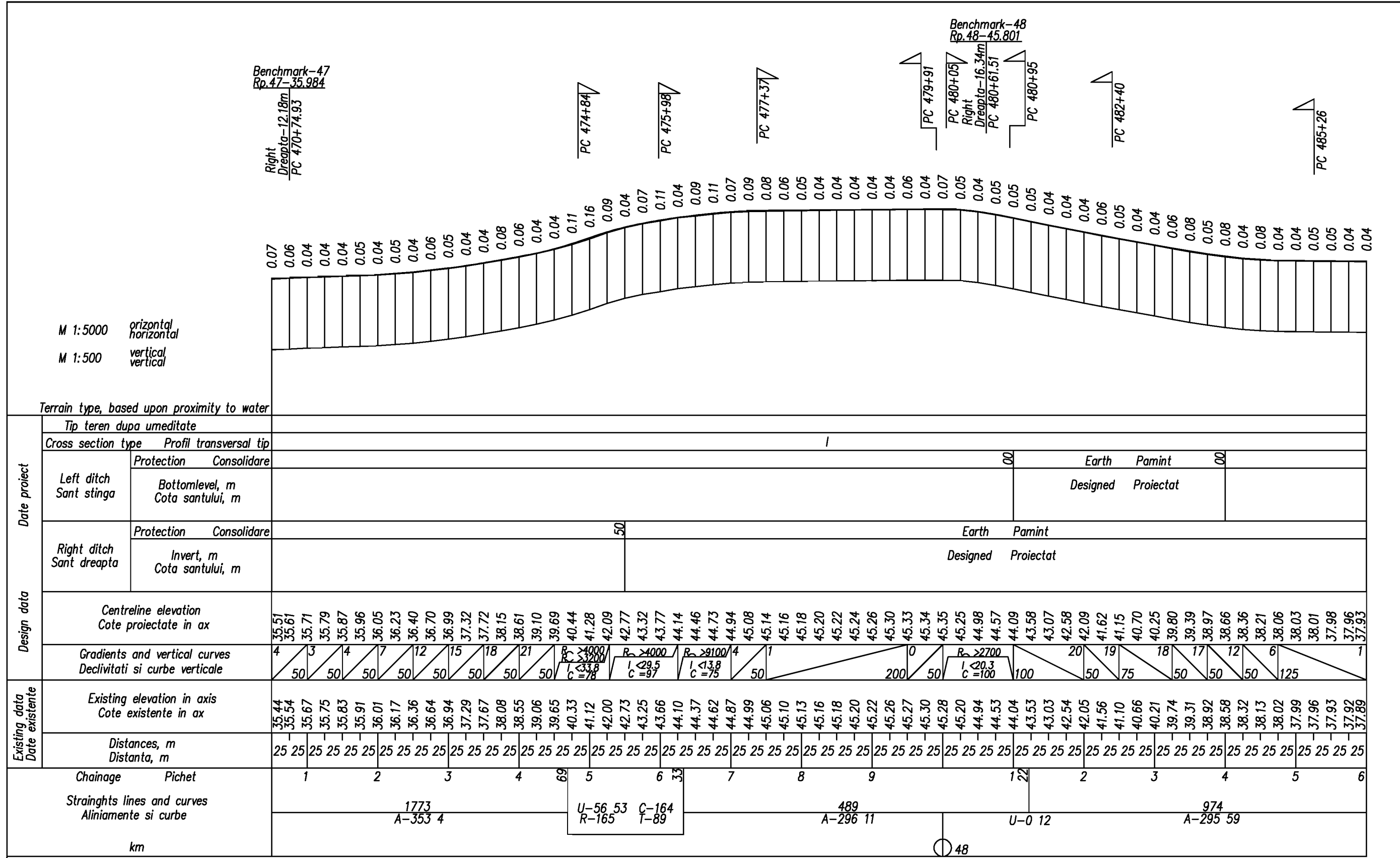
M 1:5000 horizontal																
M 1:500 vertical																
Terrain type, based upon proximity to water																
Date project	Tip teren dupa umeditate															
	Cross section type Profil transversal tip		I													
	Left ditch Sant stinga	Protection Consolidare														
		Bottomlevel, m Cota santului, m														
Right ditch Sant dreapta	Protection Consolidare															
	Invert, m Cota santului, m															
Design data	Centreline elevation Cote proiectate in ax		34.85	34.92	34.99	35.05	35.09	35.09	35.15	35.20	35.18	35.16	35.16	35.16	35.16	
	Gradients and vertical curves Declivitati si curbe verticale		125		37		0 2		50 50		25		10		25	
Existing data Date existente	Existing elevation in axis Cote existente in ax		34.76	34.86	34.93	35.01	35.04	35.05	35.07	35.15	35.14	35.12	35.11	35.11	35.11	
	Distances, m Distanta, m		25	25	25	25	25	25	25	25	25	25	25	25	25	
Chainage Pichet		7	64	8	5	9										
Straight lines and curves Aliniamente si curbe		T1-92 T2-57 L1-80		36 25 U-0 2		U-15 15 R-750 C-200 T-100										
		km														
EBRD		Republic of Moldova				Ministry of Transport and Road Industry State Road Administration										
		Road Sector Programme				Support Project										
Roughton International TRL Blizzard Univercons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>				ISP		Bogza		Date		12.2007					
	Drawing title				Longitudinal Profile Profil Longitudinal		Designed		Gisca		Scale		1:500			
	PC 437+00 - PC 439+50				Checked		Bogza		Drawing		PL-DA-13					
					Control STAS		Belic									



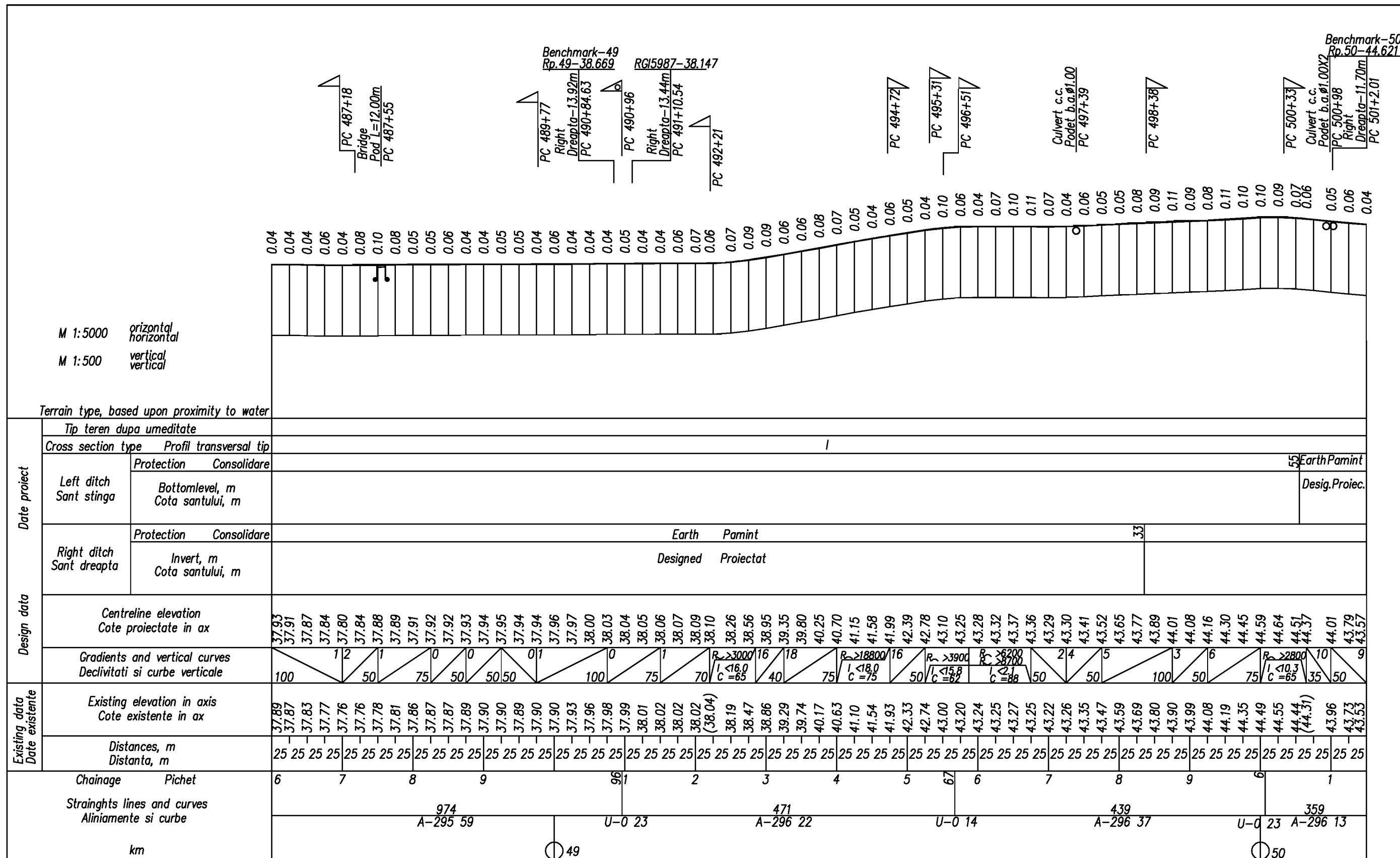
		<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
				<b>Road Sector Programme</b>		<b>Support Project</b>			
Roughton International TRL Blizzard Universcons		Drawing title Longitudinal Profile Profil Longitudinal PC 439+50 - PC 455+00		ISP Designed Checked Control STAS		Bogza Gisca Bogza Belic		Date Scale Drawing <b>PL-DA-14</b>	
						Date 12.2007			
						Scale 1:500			
						Drawing <b>PL-DA-14</b>			



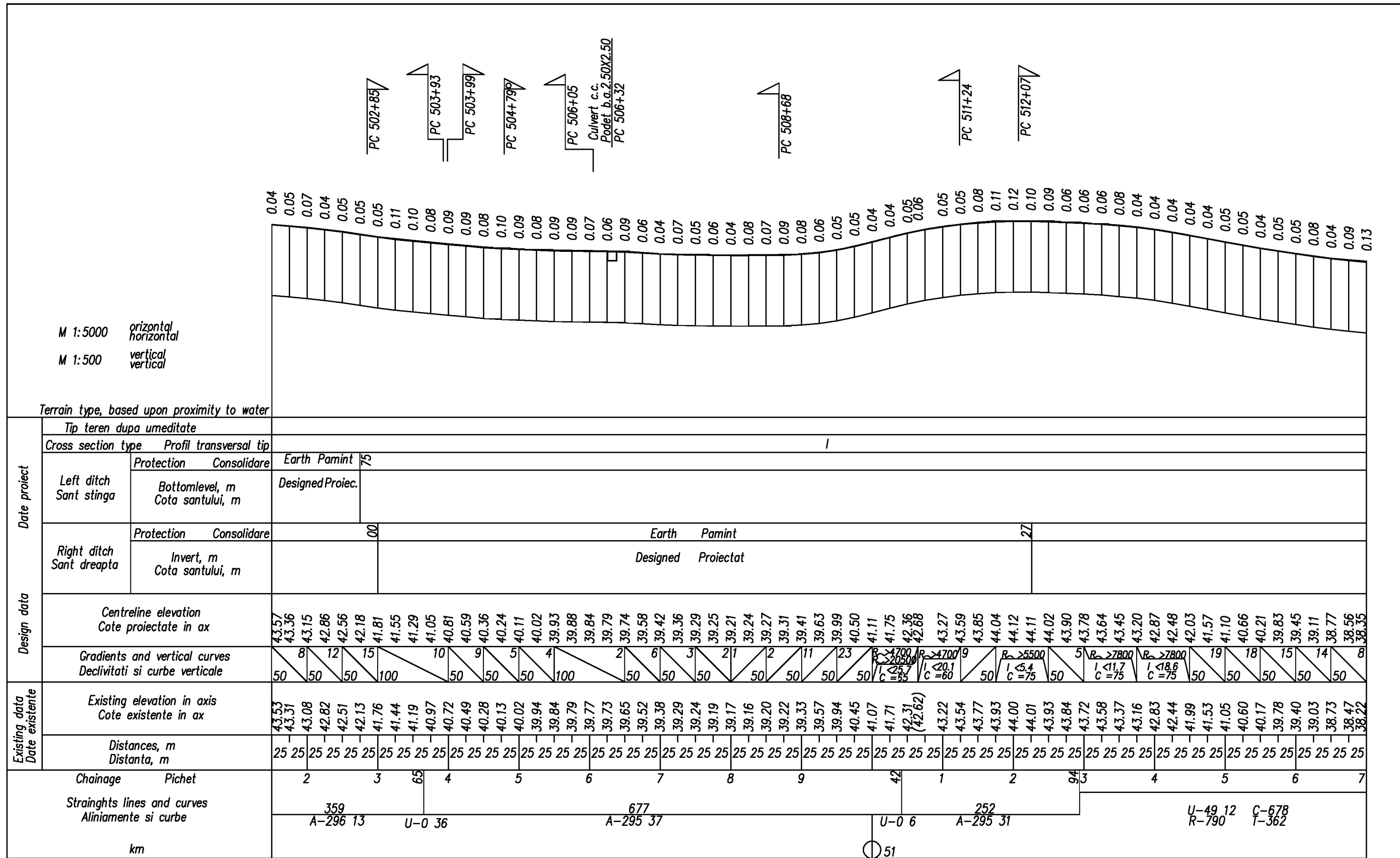
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project		Rehabilitation of M 2 Road Chisinau-Sărăteni			
Roughton International TRL Blizzard Universcons	Drawing title	ISP	Bogza	Date	12.2007
	Longitudinal Profile Profil Longitudinal PC 455+00 - PC 470+50	Designed	Gisca	Scale	1:500
		Checked	Bogza	Drawing	PL-DA-15
		Control STAS	Belic		



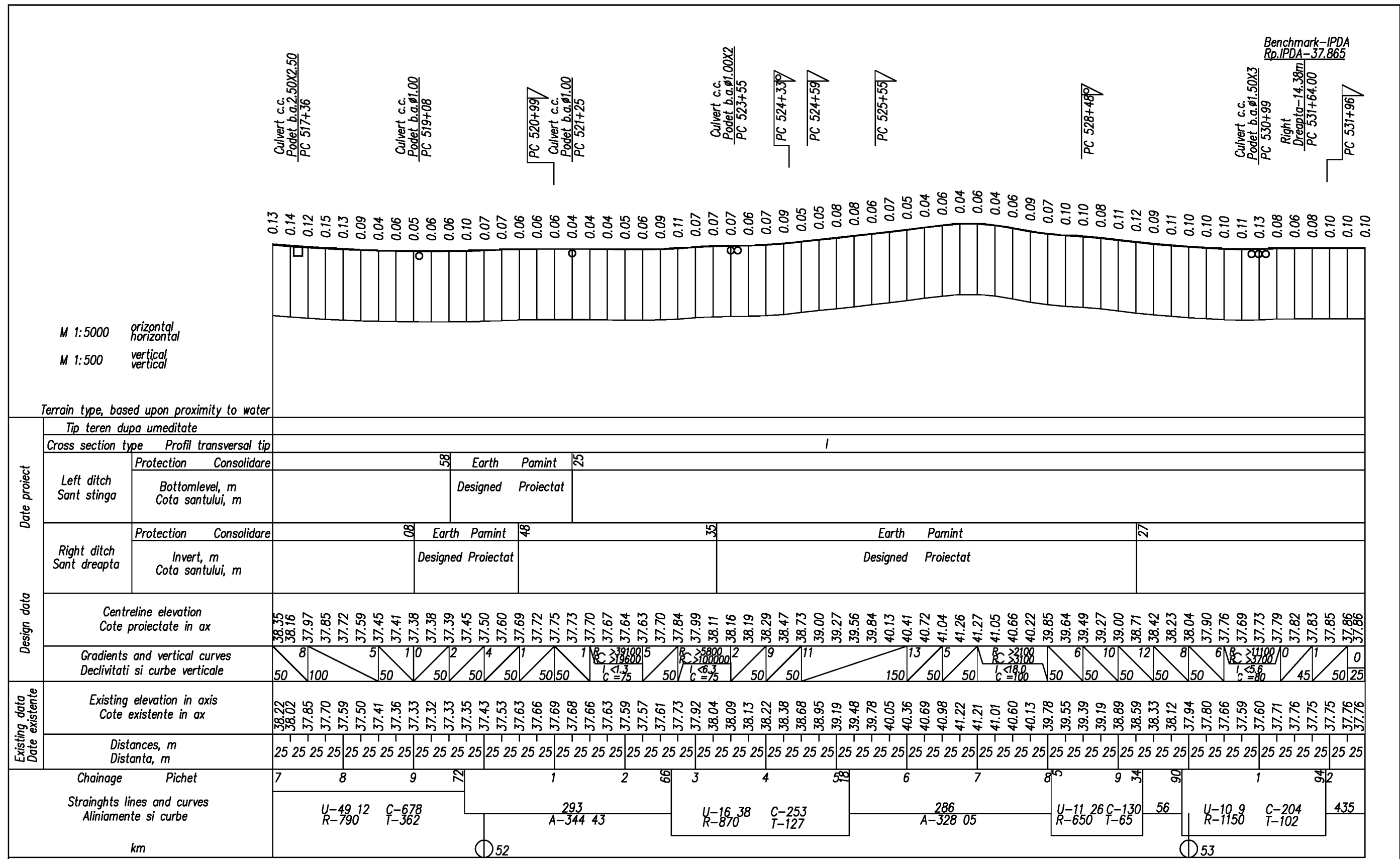
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal	Checked	Bogza	Drawing	PL-DA-16
	PC 470+50 - PC 486+00	Control STAS	Belic		



<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Road Sector Programme Support Project</b>			
<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
Drawing title Longitudinal Profile Profil Longitudinal PC 486+00 - PC 501+50		Designed	Gisca	Scale	1:500
		Checked	Bogza	Drawing	<b>PL-DA-17</b>
		Control STAS	Belic		



EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration	
	Road Sector Programme Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza
	Drawing title Longitudinal Profile Profil Longitudinal PC 501+50 - PC 517+00		Designed	Gisca
			Checked	Bogza
	Control STAS	Belic	Date	12.2007
			Scale	1:500
			Drawing	<b>PL-DA-18</b>



Date protect	Tip teren dupa umeditate		
	Cross section type	Profil transversal tip	
Left ditch Sant stinga	Protection	Consolidare	58
	Bottomlevel, m Cota santului, m	Earth	Pamint 25
Right ditch Sant dreapta	Protection	Consolidare	08
	Invert, m Cota santului, m	Earth	Pamint 48

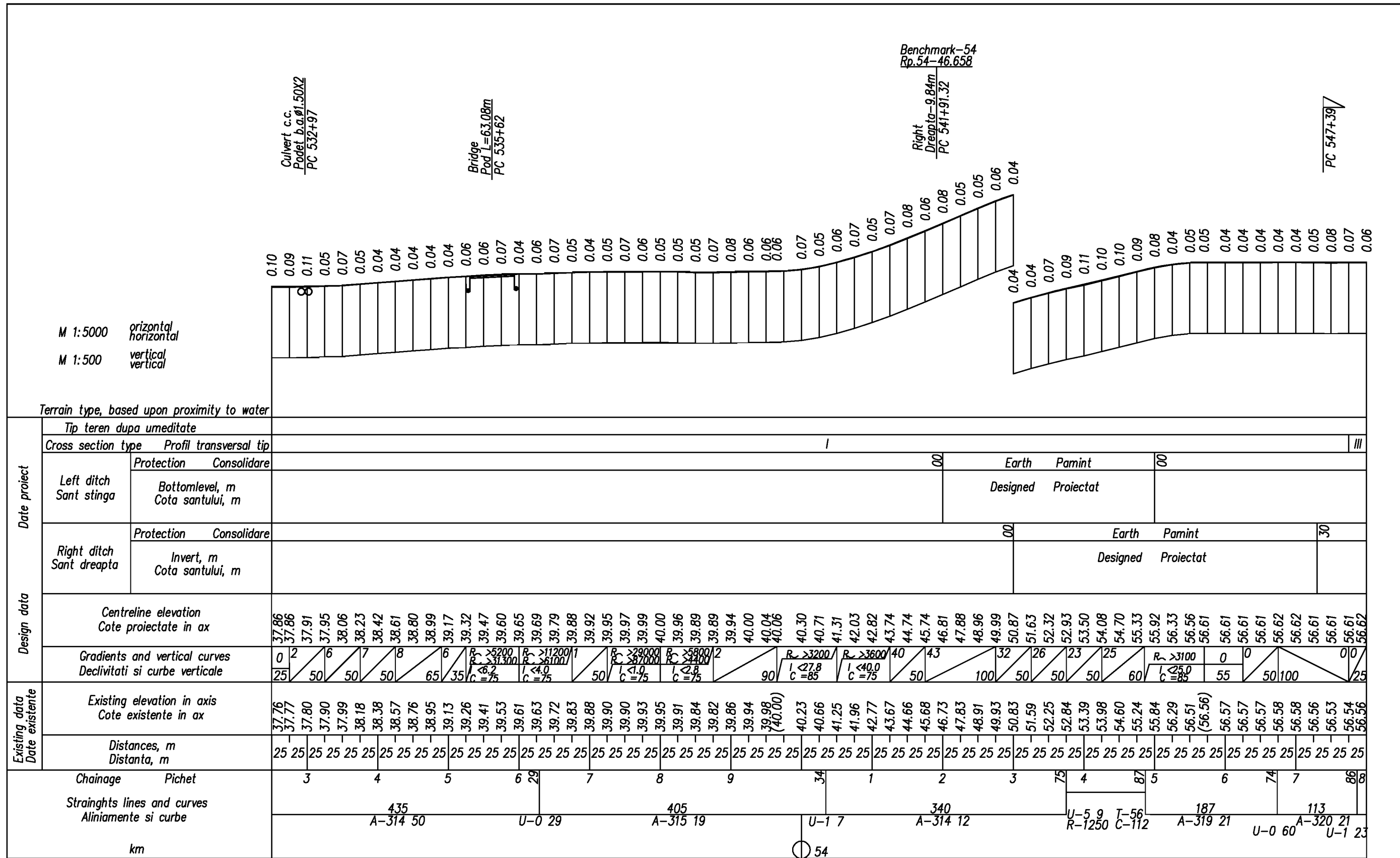
Design data	Centrelines elevation Cote proiectate in ax	
	Gradients and vertical curves Declivitati si curbe verticale	50

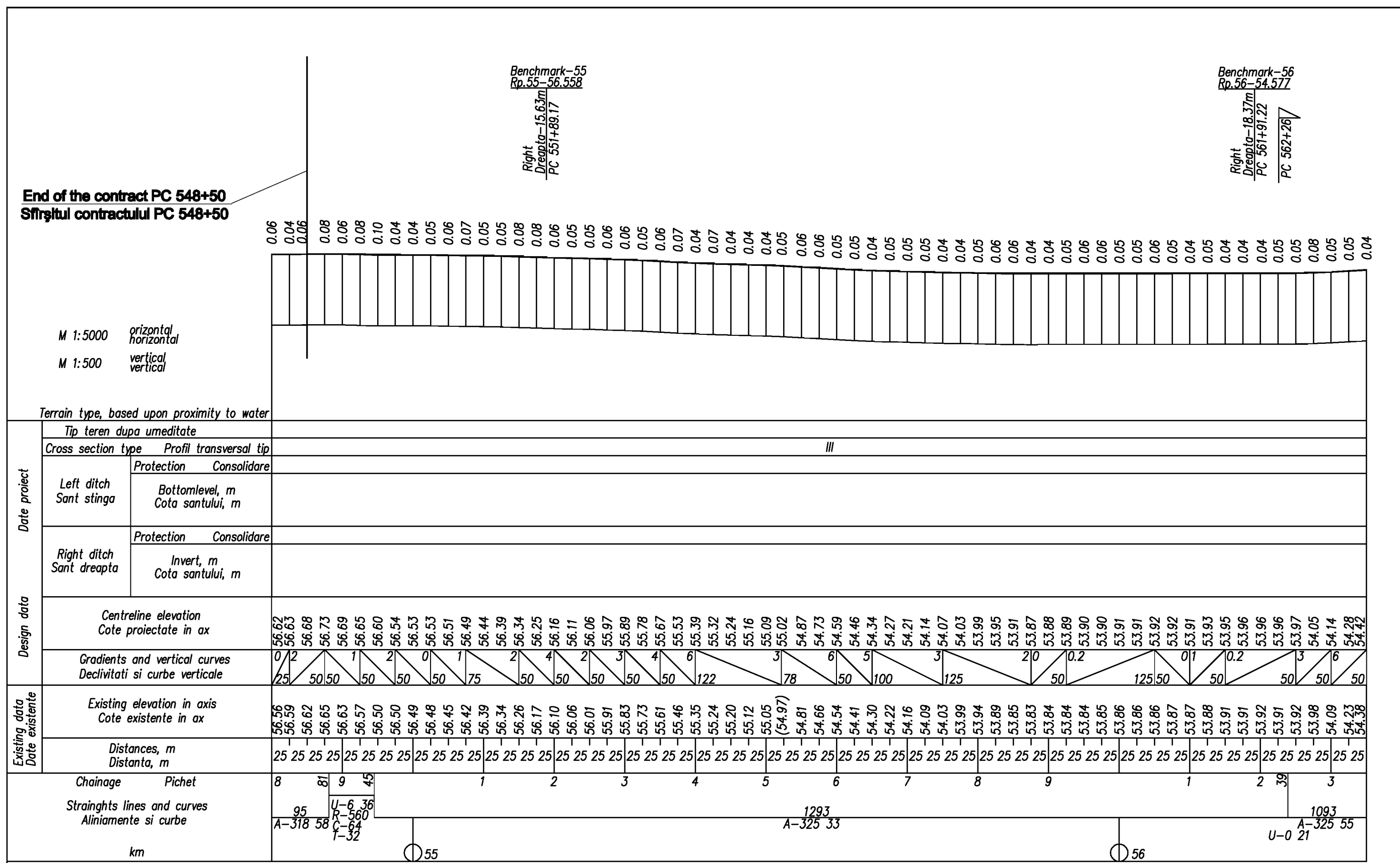
Existing data Date existente	Existing elevation in axis Cote existente in ax	
	Distances, m Distanta, m	25

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector		Programme Support		Project		
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărateni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal		Checked	Bogza	Drawing	PL-DA-19
	PC 517+00 - PC 532+50		Control	STAS	Belic	





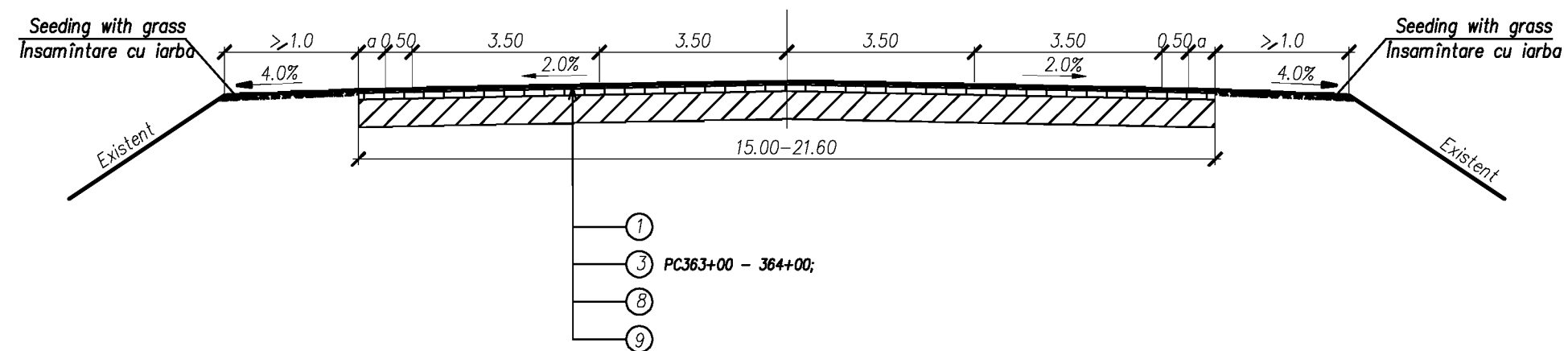
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	1:500
	Longitudinal Profile Profil Longitudinal PC 532+50 - PC 548+00	Checked	Bogza	Drawing	<b>PL-DA-20</b>
		Control STAS	Belic		



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Drawing title Longitudinal Profile Profil Longitudinal PC 548+00 - PC 563+50	ISP	Bogza	Date	12.2007
		Designed	Gisca	Scale	1:500
		Checked	Bogza	Drawing	PL-DA-21
		Control STAS	Belic		

TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP I

PC262+00 – PC264+00; PC268+50 – PC272+50; 275+50 – PC276+50; PC305+00 – PC319+00;  
PC345+00 – PC422+50; PC432+80 – PC437+00;

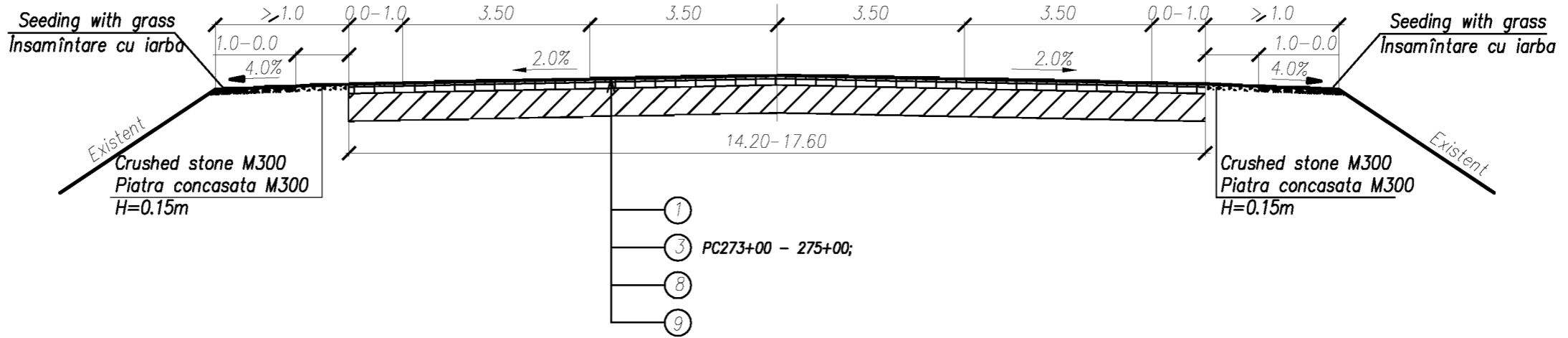


- |   |   |            |                                      |
|---|---|------------|--------------------------------------|
| ① | Beton asfaltic cu granulatie fina dens Tip A M1         | – 4.0cm    | Fine grained dense asphalt type A M1 |
| ③ | Beton asfaltic cu granulatie fina poros M1              | – 4.0cm    | Coarse-grained asphalt concrete M 1  |
| ⑧ | Egalizare cu beton asfaltic cu granulatie fina poros M1 | – 2–8cm    | Coarse-grained asphalt concrete M 1  |
| ⑨ | Sistem rutier existent                                  | – 68–155cm | Existing road structure              |

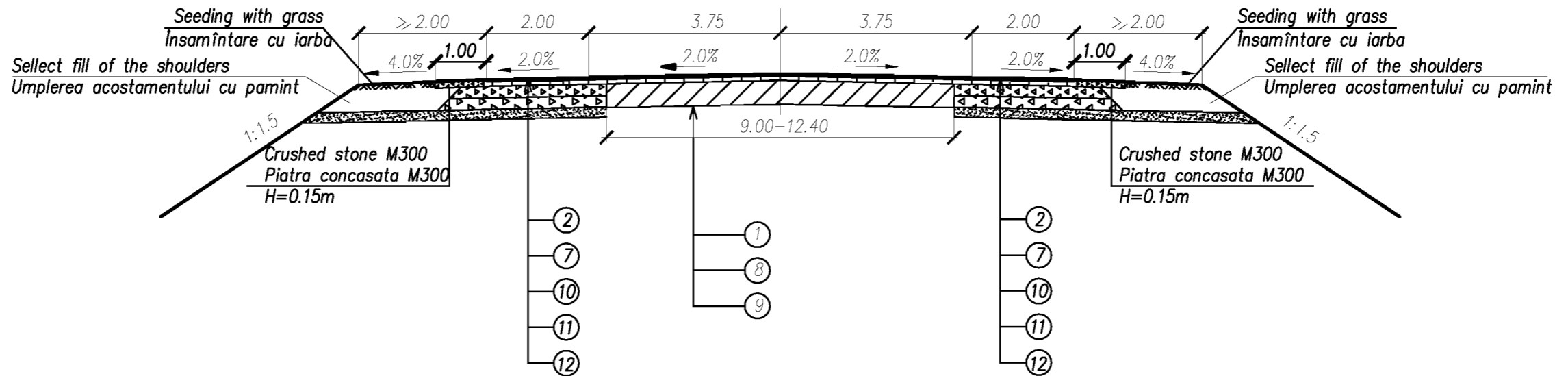
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Orhei	ISP	Bogza	Date	12.2007
	Drawing title Typical cross sections I Profile transversale tip I	Designed	Belic	Scale	1:100
		Checked	Gisca	Drawing	PTT-DA-1
		Control STAS	Bogza		

### TYPICAL CROSS SECTION PROFIL TRANSVERSAL TIP II

PC264+00 – PC268+50; PC272+50 – PC275+50;



### TYPICAL CROSS SECTION PROFIL TRANSVERSAL TIP III

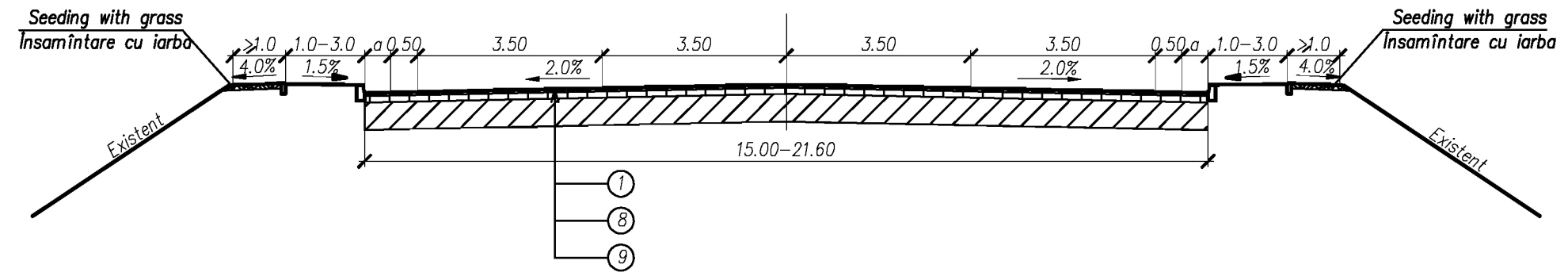


- |   |   |            |                                      |
|---|---|------------|--------------------------------------|
| ① | Beton asfaltic cu granulatie fina dens Tip A M1         | - 4.0cm    | Fine grained dense asphalt type A M1 |
| ② | Beton asfaltic cu granulatie fina dens Tip A M1         | - 6.0cm    | Fine grained dense asphalt type A M1 |
| ③ | Beton asfaltic cu granulatie fina poros M1              | - 4.0cm    | Coarse-grained asphalt concrete M 1  |
| ⑦ | Beton asfaltic cu granulatie mare poros M1              | - 9.0cm    | Coarse-grained asphalt concrete M 1  |
| ⑧ | Egalizare cu beton asfaltic cu granulatie fina poros M1 | - 7-11cm   | Coarse-grained asphalt concrete M 1  |
| ⑨ | Sistem rutier existent                                  | - 76-110cm | Existing road structure              |
| ⑩ | Piatra concasata M 1000                                 | - 25.0cm   | Crushed stone M1000                  |
| ⑪ | Piatra concasata M 300                                  | - 25.0cm   | Crushed stone M300                   |
| ⑫ | Nisip   | - 20.0cm   | Sand                                 |

EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Orhei</b>		ISP	Bogza	Date	12.200
	Drawing title		Designed	Belic	Scale	1:100
	<b>Typical cross sections II,III Profile transversale tip II, III</b>		Checked	Gisca	Drawing	
			Control STAS	Bogza		<b>PTT-DA-2</b>

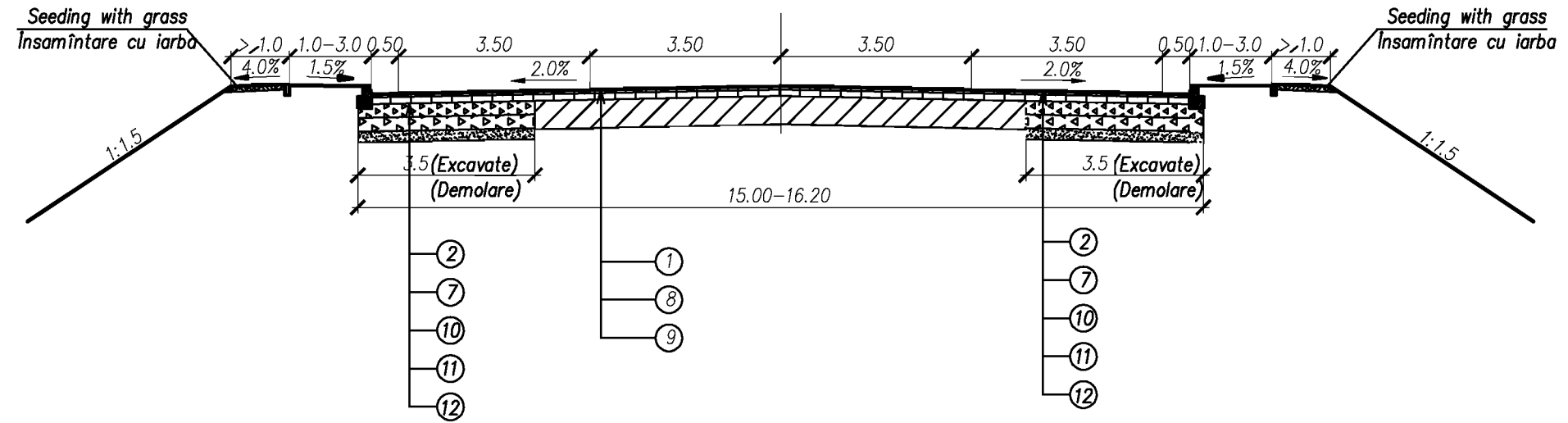
TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP IV

PC276+50 – PC286+00; PC304+50 – PC305+00;



TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP V

PC286+00 – PC304+50;

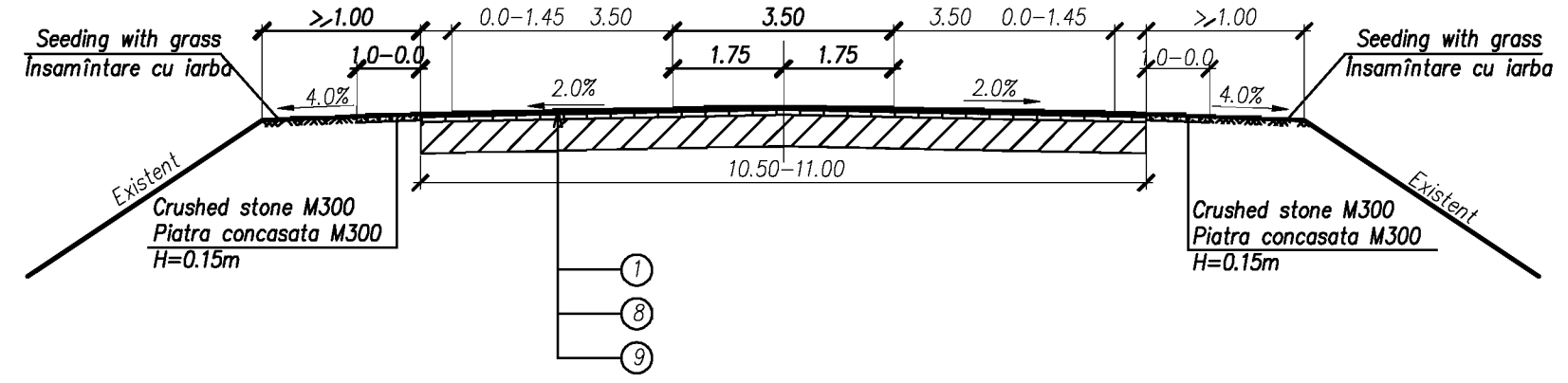


- |   |   |            |                                      |
|---|---|------------|--------------------------------------|
| ① | Beton asfaltic cu granulatie fina dens Tip A M1         | - 4.0cm    | Fine grained dense asphalt type A M1 |
| ② | Beton asfaltic cu granulatie fina dens Tip A M1         | - 6.0cm    | Fine grained dense asphalt type A M1 |
| ⑦ | Beton asfaltic cu granulatie mare poros M1              | - 9.0cm    | Coarse-grained asphalt concrete M 1  |
| ⑧ | Egalizare cu beton asfaltic cu granulatie fina poros M1 | - 7-11cm   | Coarse-grained asphalt concrete M 1  |
| ⑨ | Sistem rutier existent                                  | - 76-110cm | Existing road structure              |
| ⑩ | Piatra concasata M 1000                                 | - 25.0cm   | Crushed stone M1000                  |
| ⑪ | Piatra concasata M 300                                  | - 25.0cm   | Crushed stone M300                   |
| ⑫ | Nisip   | - 20.0cm   | Sand                                 |

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme	Support	Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Orhei		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Belic	Scale	1:100
	Typical cross sections IV, V Profile transversale tip IV, V		Checked	Gisca	Drawing	
			Control STAS	Bogza		PTT-DA-3

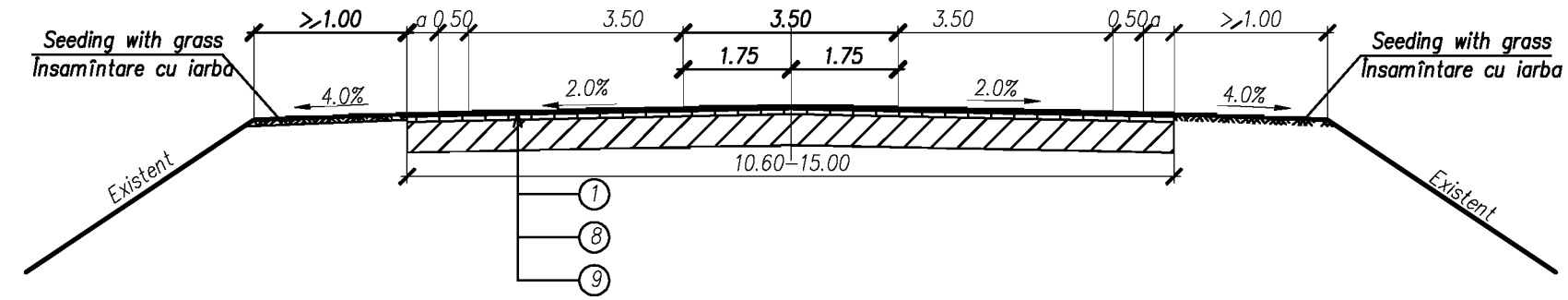
TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP VI

PC325+75 - PC329+00;



TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP VII

PC343+00 - PC345+00; PC431+50 - PC432+28;

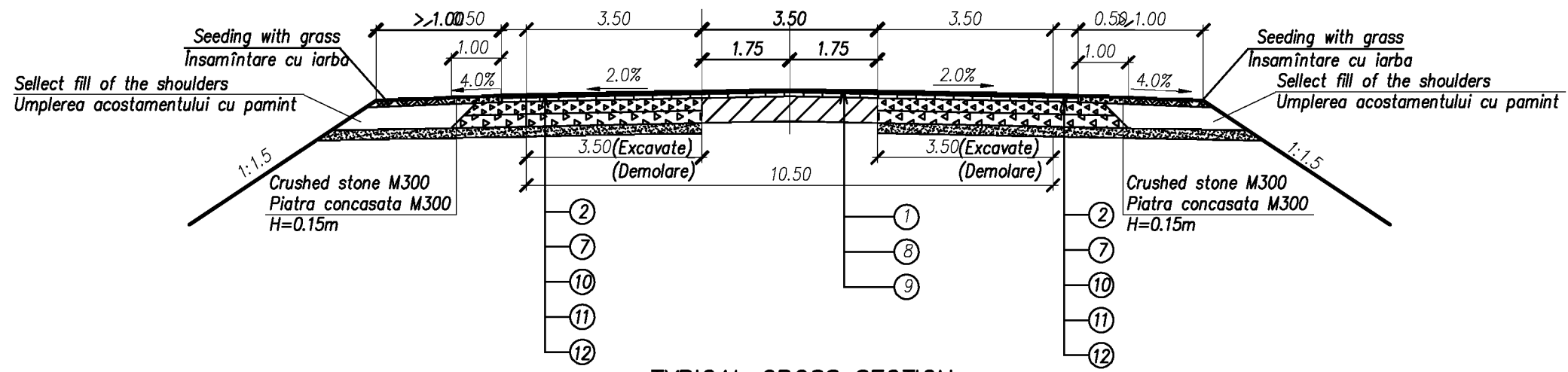


- ① Beton asfaltic cu granulatie fina dens Tip A M1 - 4.0cm Fine grained dense asphalt type A M1
- ⑧ Egalizare cu beton asfaltic cu granulatie fina poros M1 - 2-8cm Coarse-grained asphalt concrete M 1
- ⑨ Sistem rutier existent - 68-85cm Existing road structure

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Orhei		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Belic	Scale	1:100
	Typical cross sections VI, VII Profile transversale tip VI, VII		Checked	Gisca	Drawing	PTT-DA-4
			Control STAS	Bogza		

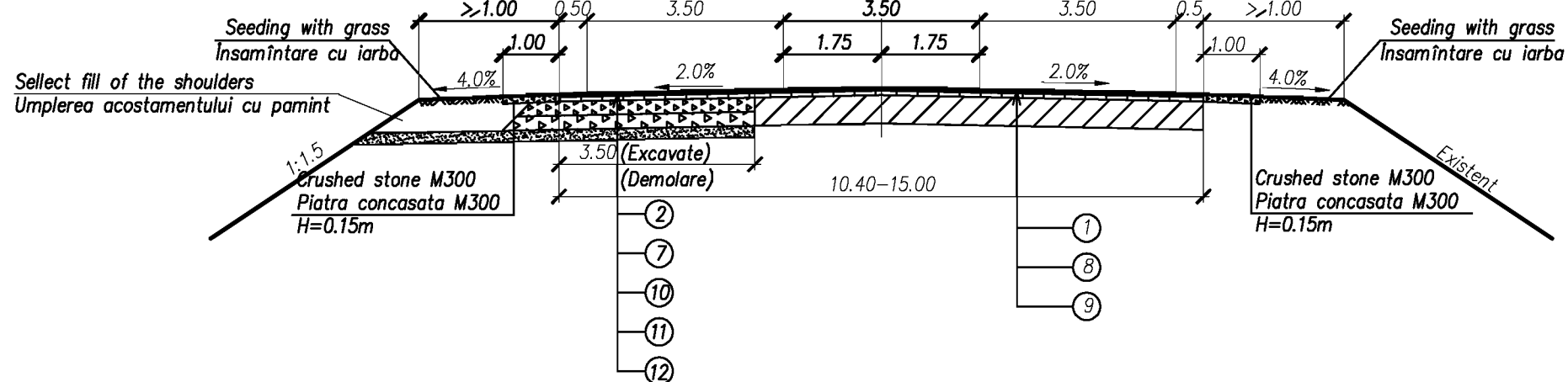
TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP VIII

PC329+00 – PC330+00; PC331+00 – PC332+50;



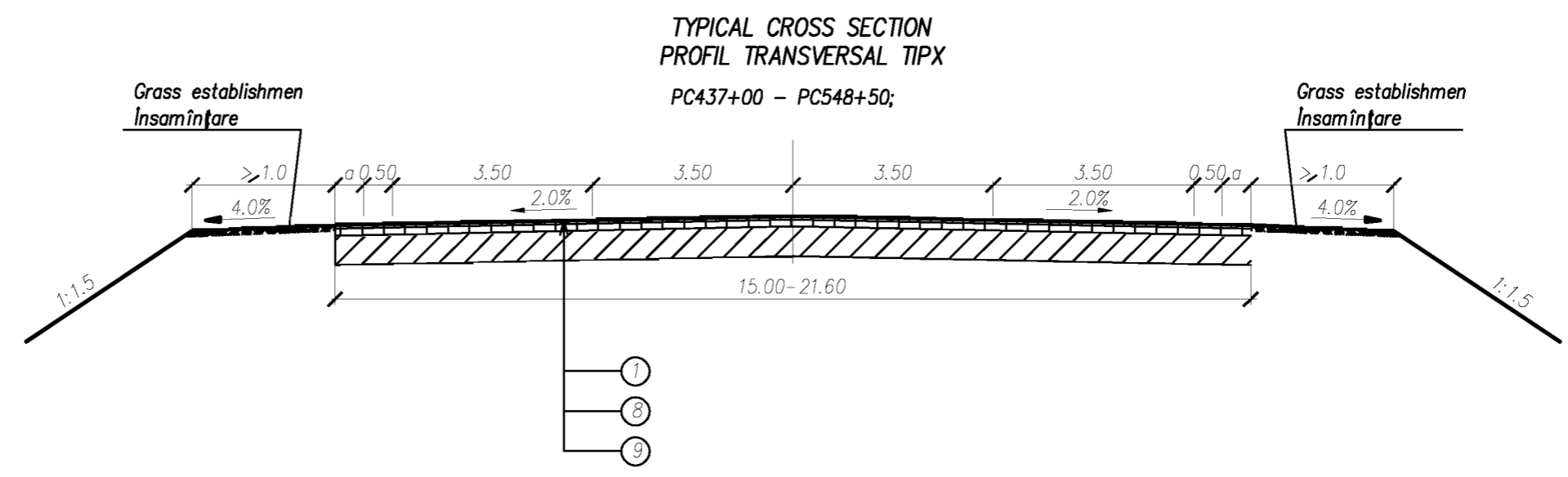
TYPICAL CROSS SECTION  
PROFIL TRANSVERSAL TIP IX

PC330+00 – PC331+00; PC332+50 – PC343+00; PC422+50 – PC431+50;



- |   |   |            |                                      |
|---|---|------------|--------------------------------------|
| ① | Beton asfaltic cu granulatie fina dens Tip A M1         | - 4.0cm    | Fine grained dense asphalt type A M1 |
| ② | Beton asfaltic cu granulatie fina dens Tip A M1         | - 6.0cm    | Fine grained dense asphalt type A M1 |
| ⑦ | Beton asfaltic cu granulatie mare poros M1              | - 9.0cm    | Coarse-grained asphalt concrete M 1  |
| ⑧ | Egalizare cu beton asfaltic cu granulatie fina poros M1 | - 6-12cm   | Coarse-grained asphalt concrete M 1  |
| ⑨ | Sistem rutier existent                                  | - 90-105cm | Existing road structure              |
| ⑩ | Piatra concasata M 1000                                 | - 25.0cm   | Crushed stone M1000                  |
| ⑪ | Piatra concasata M 300                                  | - 25.0cm   | Crushed stone M300                   |
| ⑫ | Nisip   | - 20.0cm   | Sand                                 |

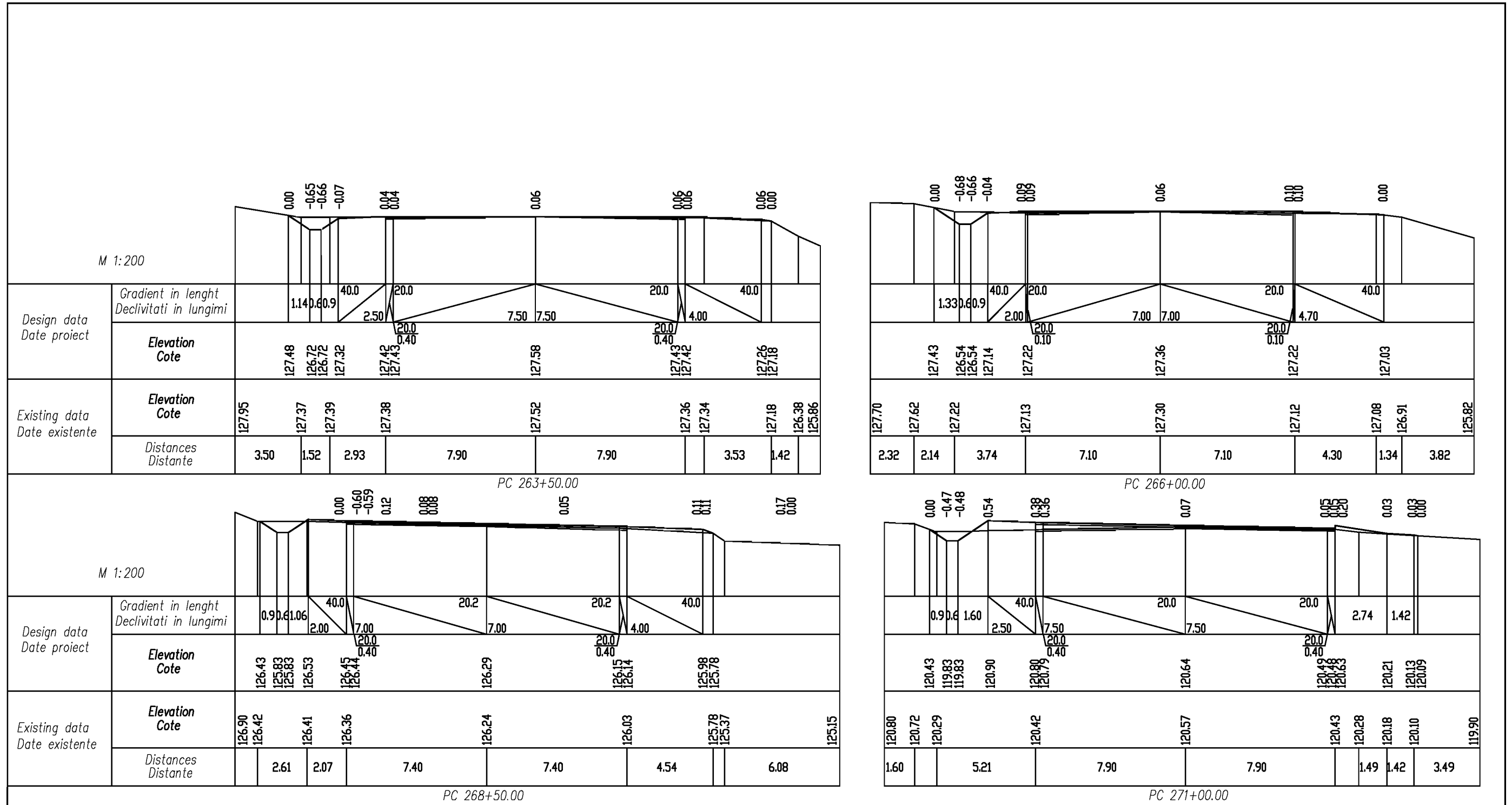
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Orhei		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Belic	Scale	1:100
	Typical cross sections VIII, IX Profile transversale tip XIII, IX		Checked	Gisca	Drawing	PTT-DA-5
			Control STAS	Bogza		



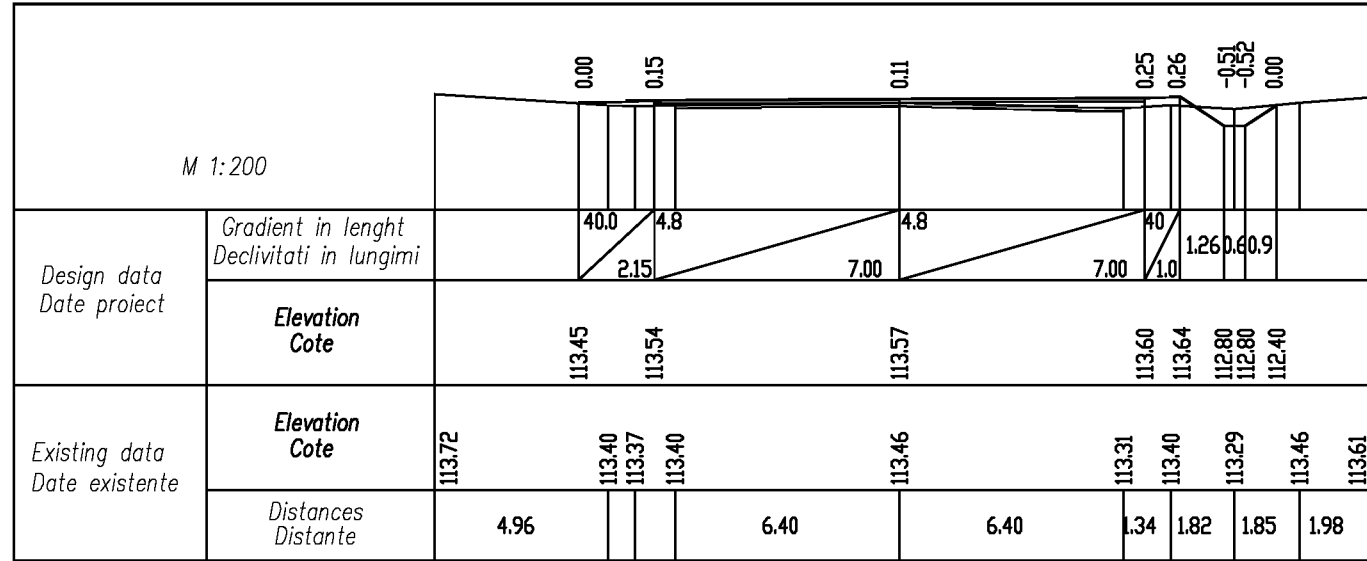
- ① Beton asfaltic cu granulație fină dens Tip A M1      - 4.0cm      Fine grained dense asphalt type A M1
- ⑧ Egalizare cu beton asfaltic cu granulație fină poros M1      - 2-8cm      Coarse-grained asphalt concrete M 1
- ⑨ Sistem rutier existent      - 68-110cm      Existing road structure

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Orhei-Sarateni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Belic	Scale	1:500
	<b>Typical cross section X Profil transversal tip X</b>	Checked	Gisca	Drawing	PTT-DA-6
		Control STAS	Bogza		

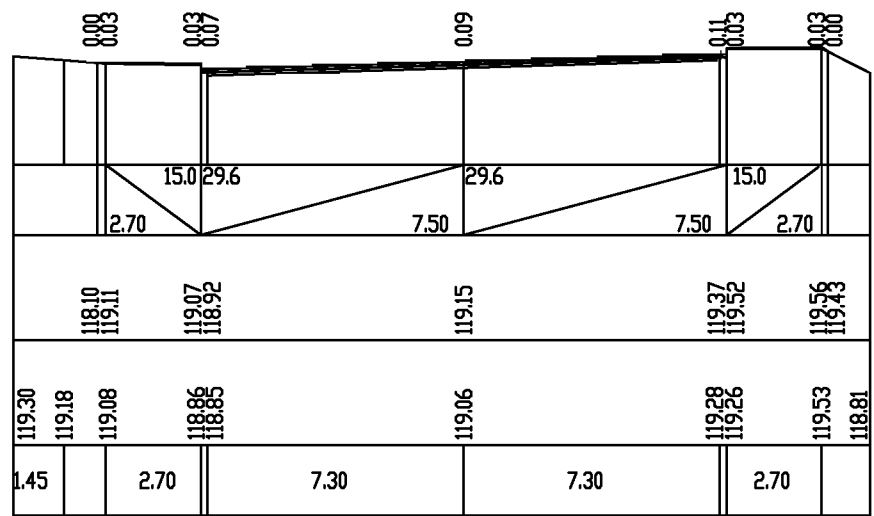




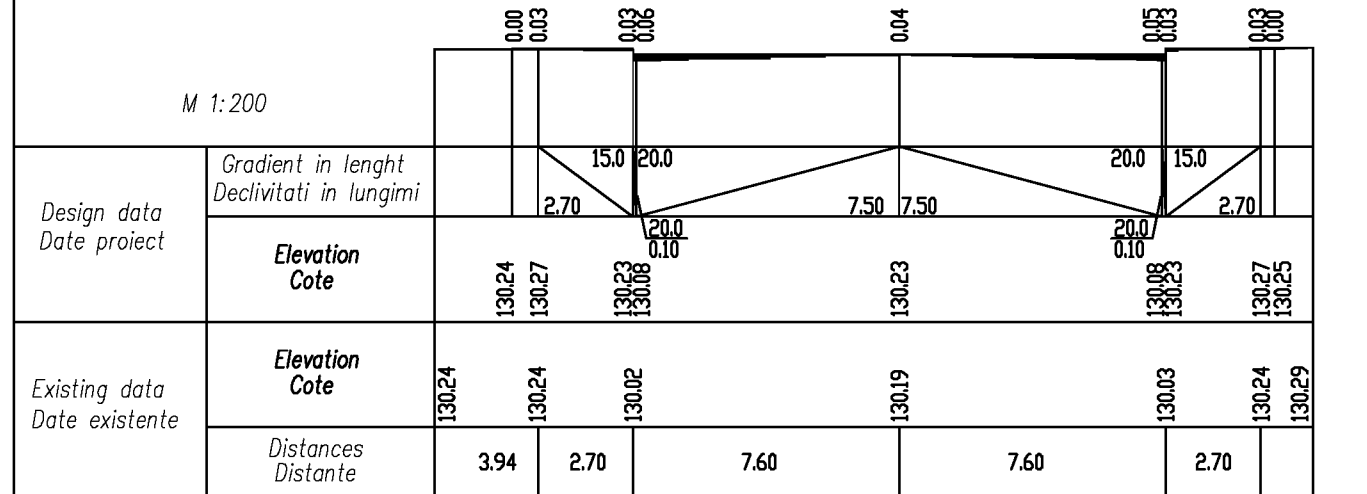
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
	<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 263+50 - PC 271+00</b>	<b>Designed</b>	<b>Gisca</b>	<b>Scale</b>	<b>1:200</b>
		<b>Checked</b>	<b>Bogza</b>	<b>Drawing</b>	
		<b>Control STAS</b>	<b>Belic</b>		<b>PT-DA-1</b>



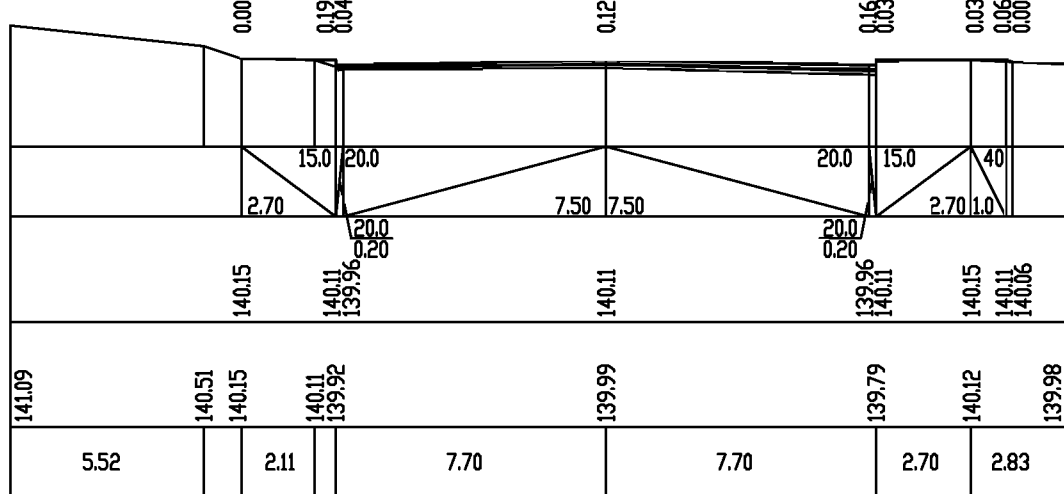
PC 274+50.00



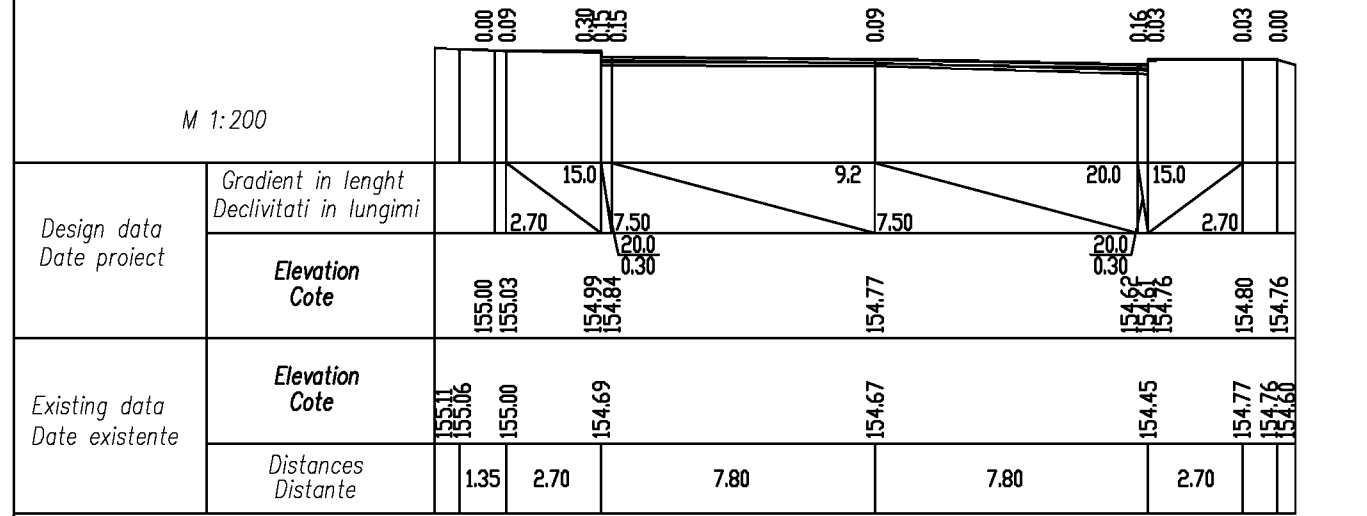
PC 277+50.00



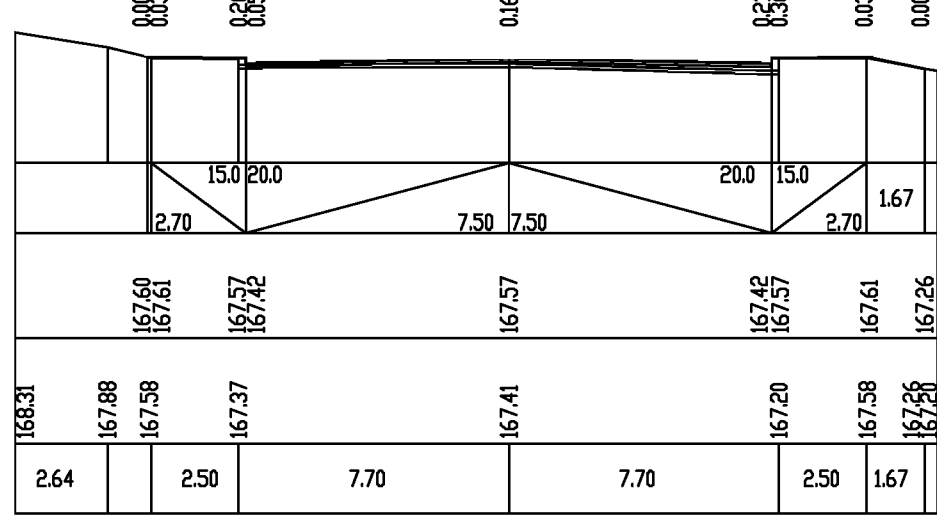
PC 280+00.00



PC 283+00.00

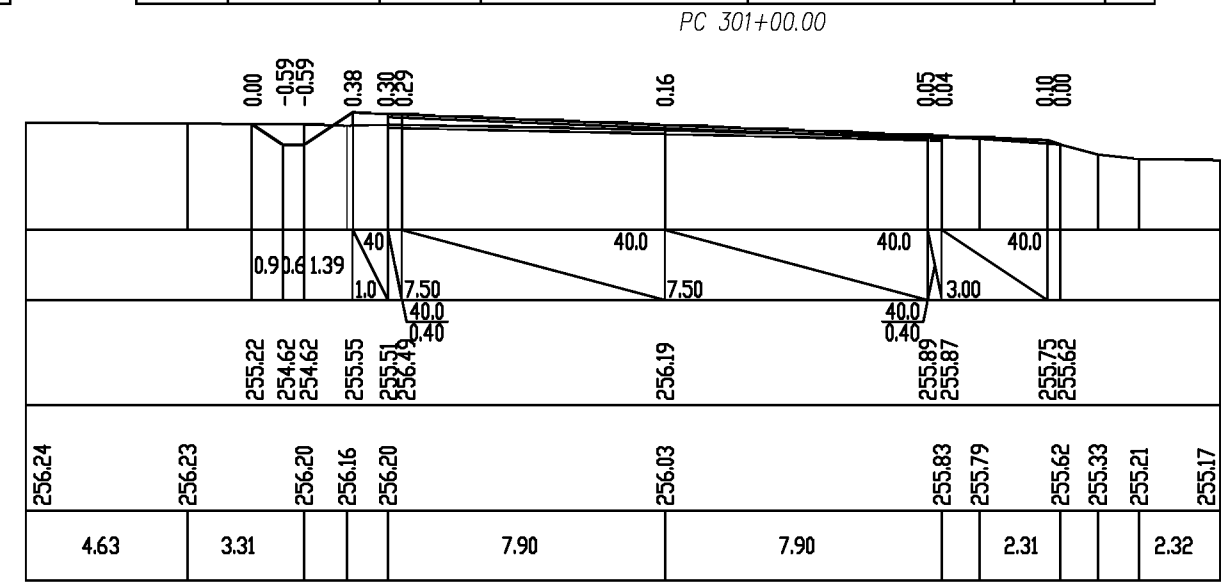
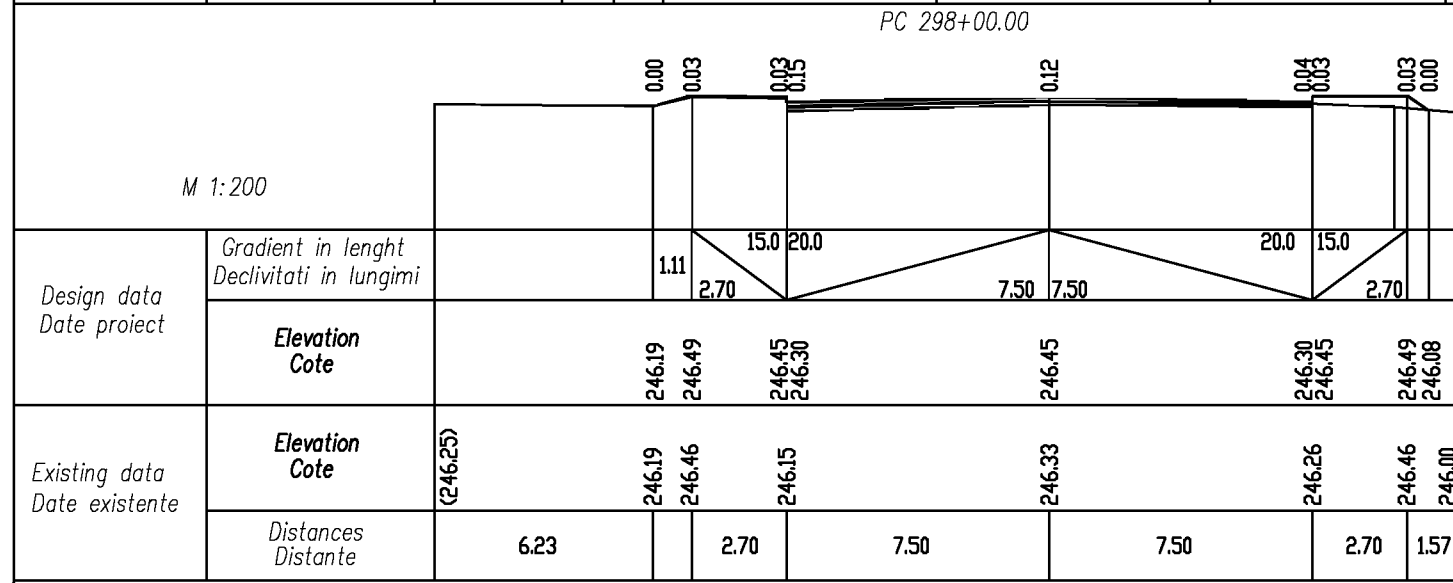
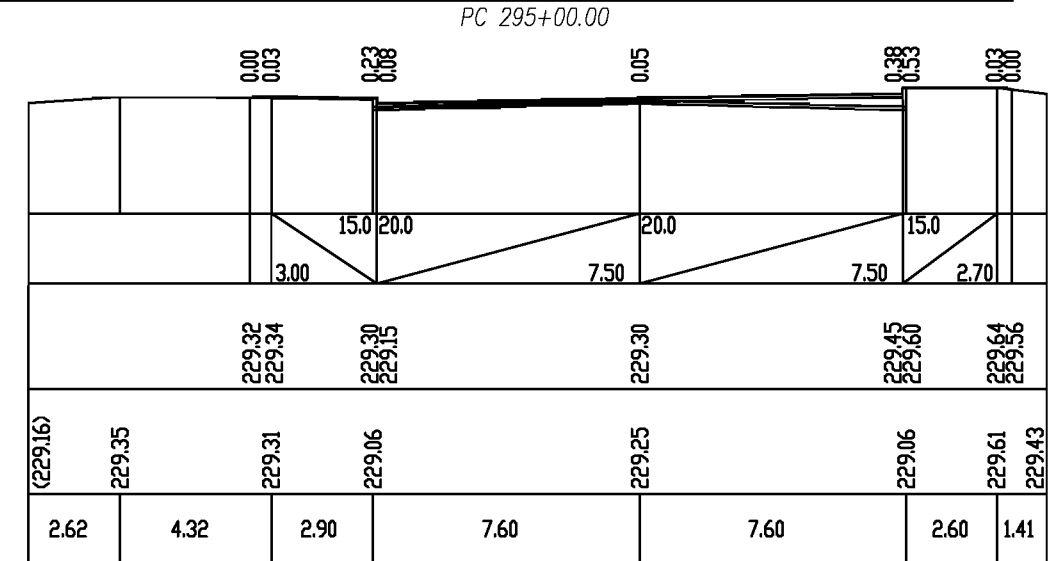
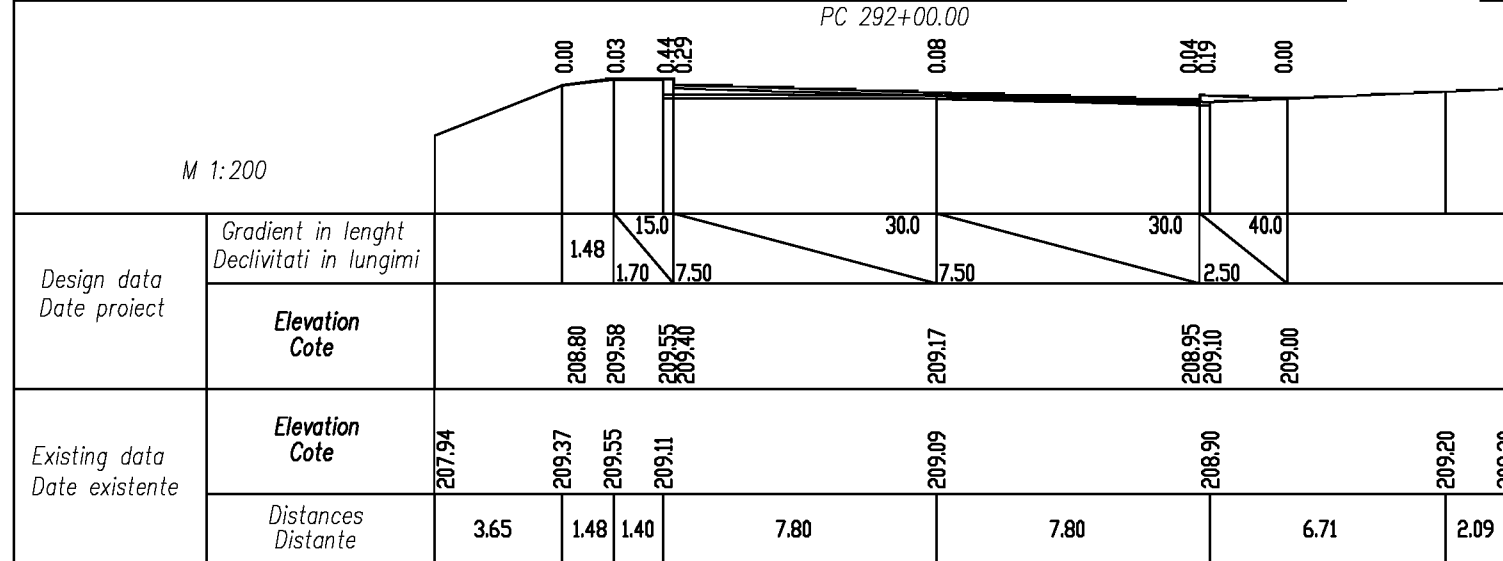
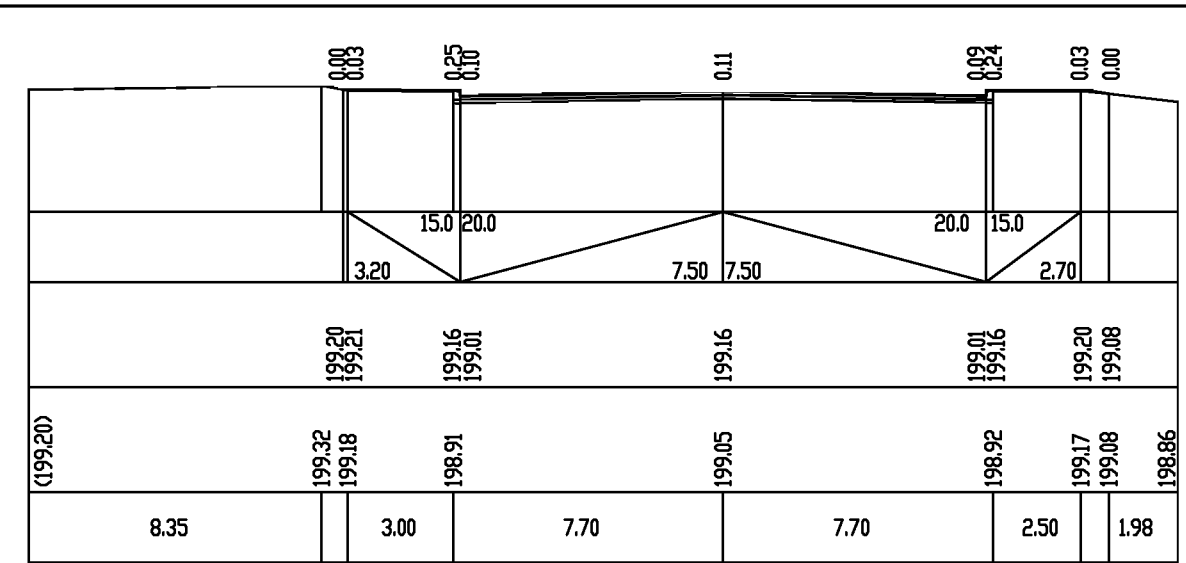
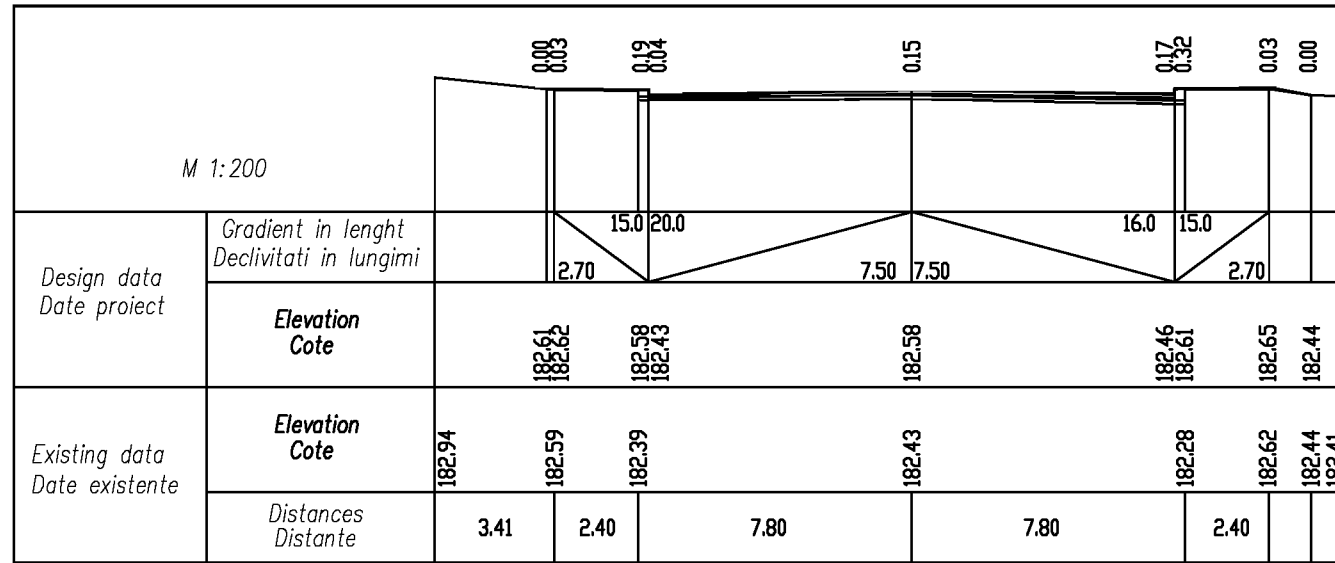


PC 286+00.00

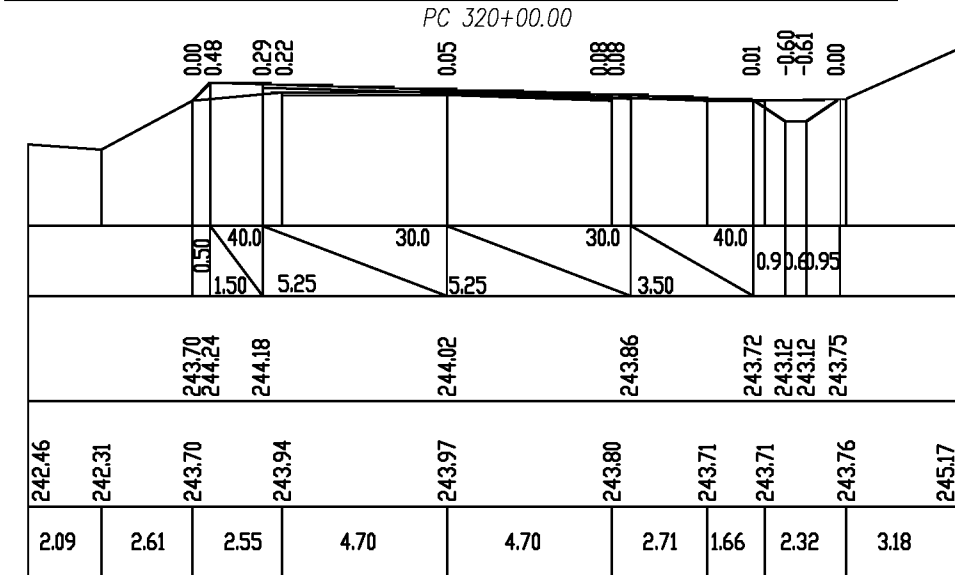
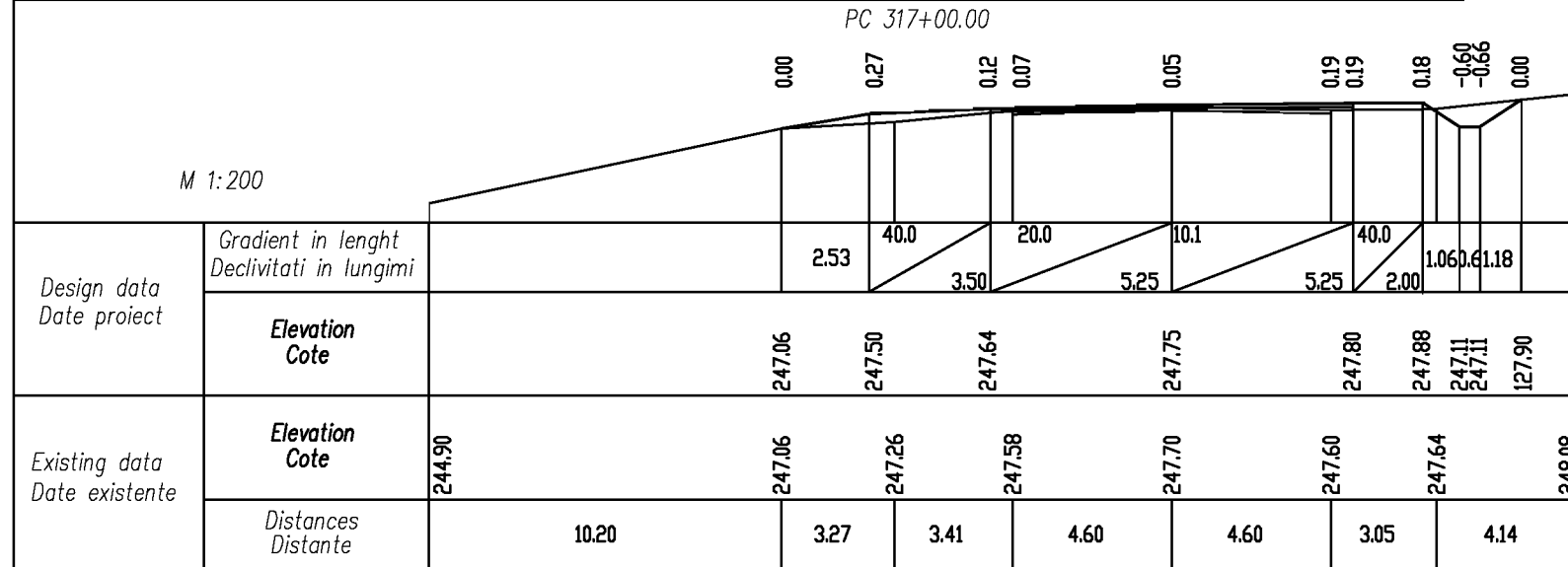
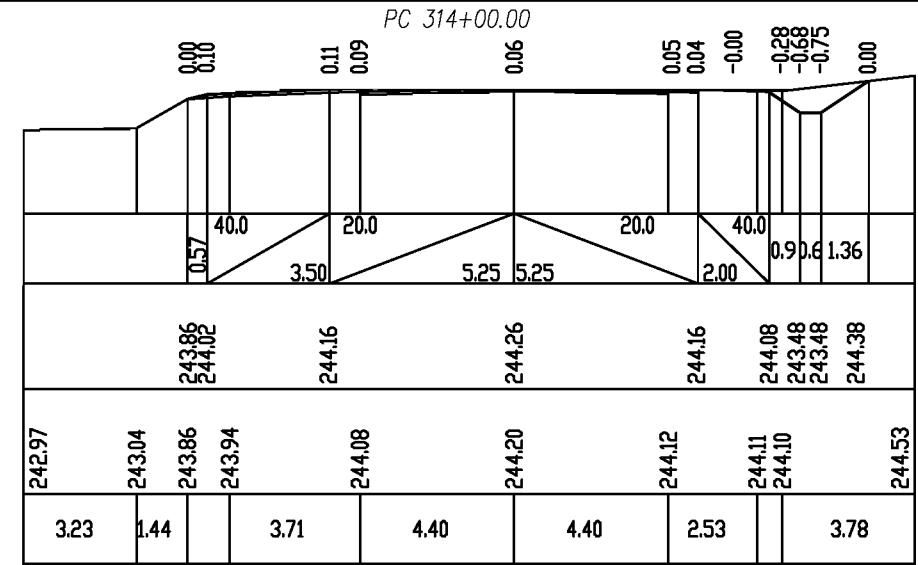
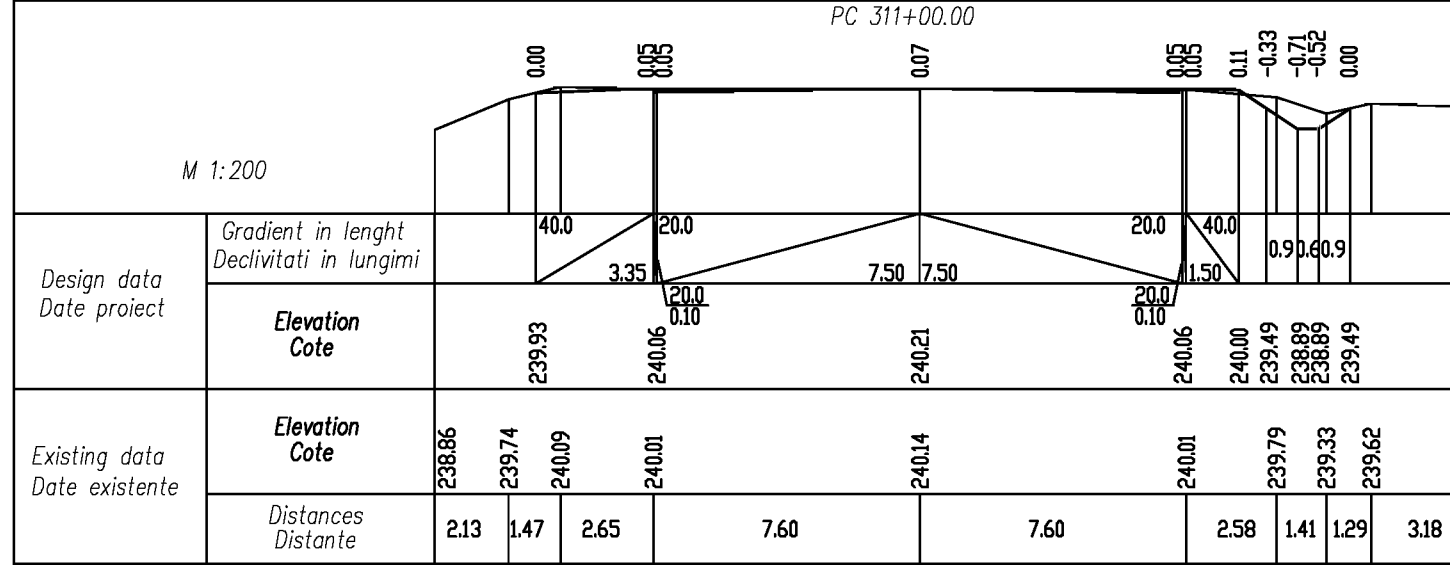
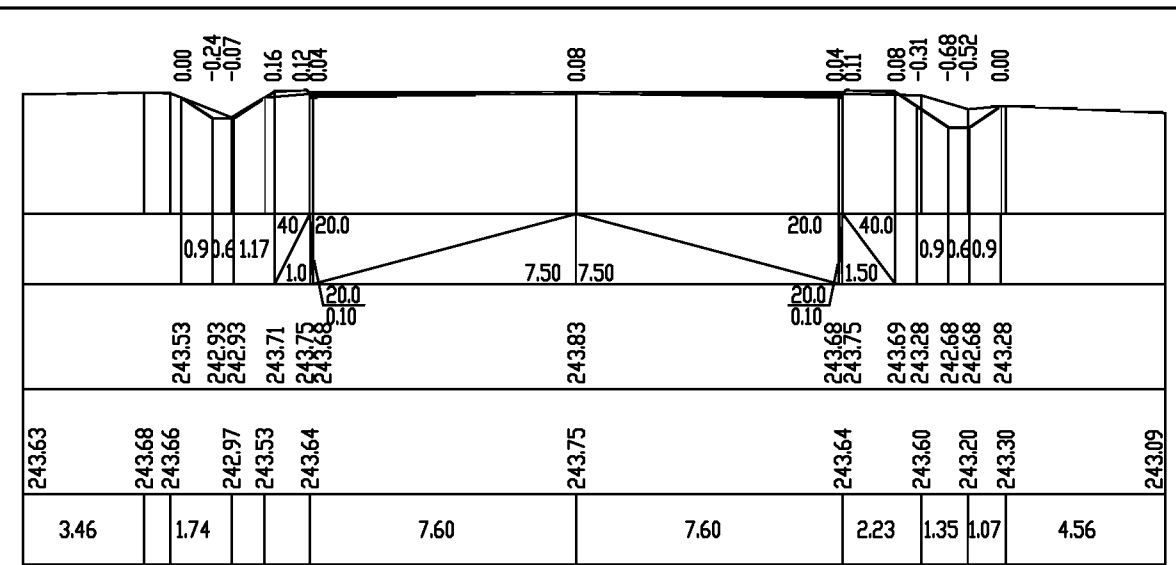
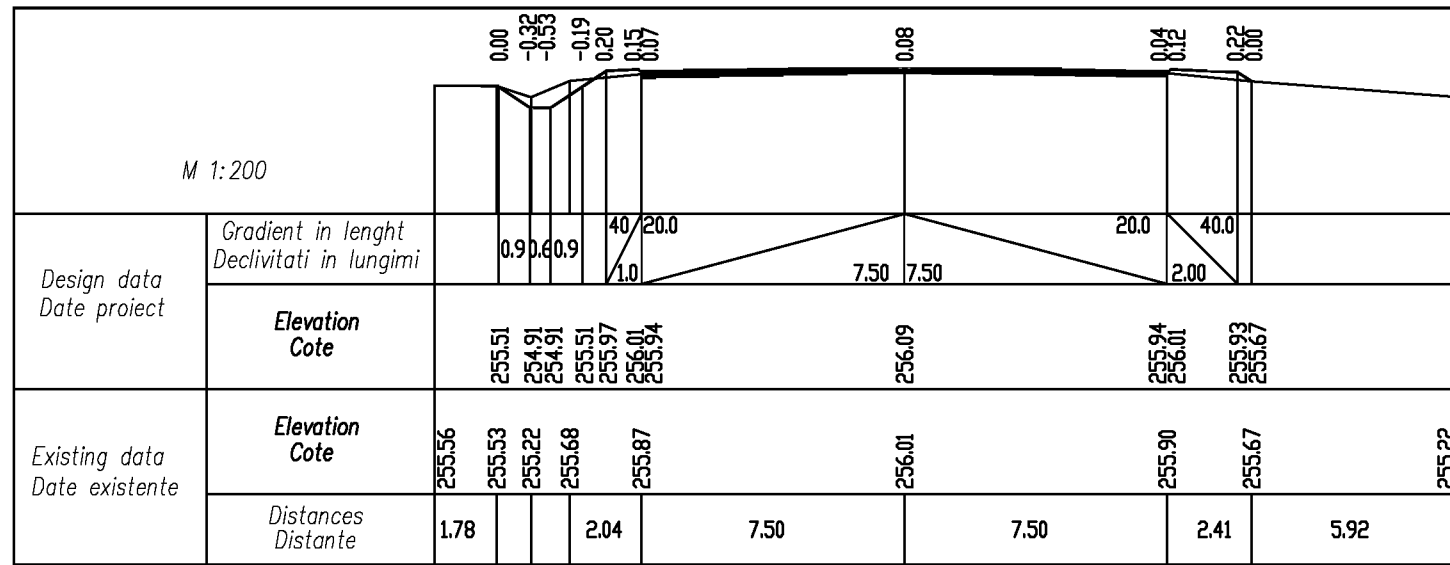


PC 289+00.00

<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>							
<b>Roughton International</b> <b>TRL</b> <b>Blizzard</b> <b>Universcons</b>		<b>Rehabilitation of M 2 Road</b> <b>Chisinau-Sărăteni</b> Drawing title <b>Cross Sections of Earthwork</b> <b>Profile Transversale Terasamente</b> <b>PC 274+50 - PC 289+00</b>		ISP	Bogza	Date	12.2007
				Designed	Gisca	Scale	1:200
				Checked	Bogza	Drawing	PT-DA-2
				Control STAS	Belic		



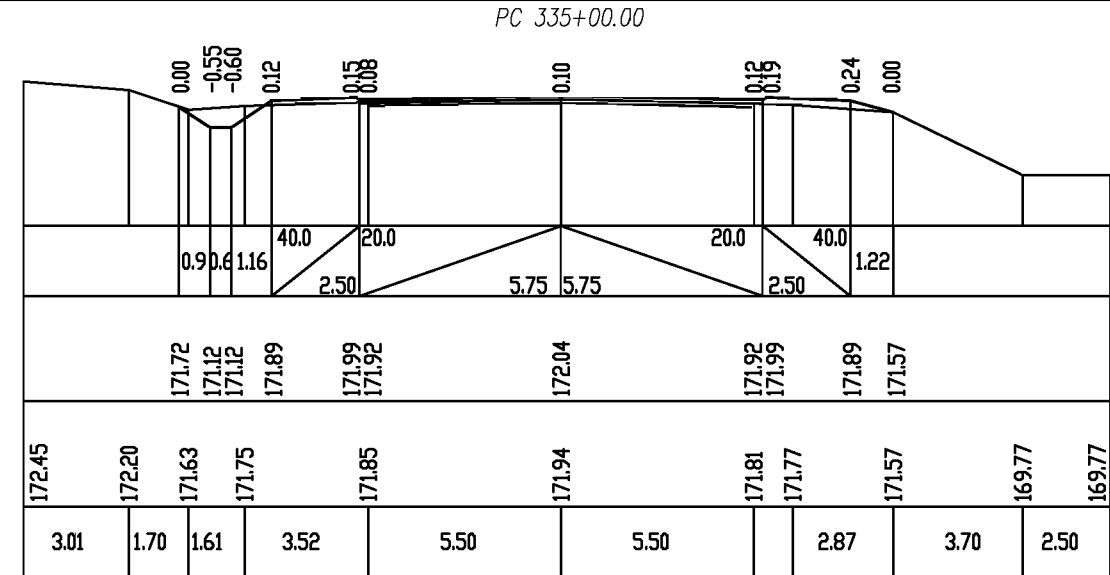
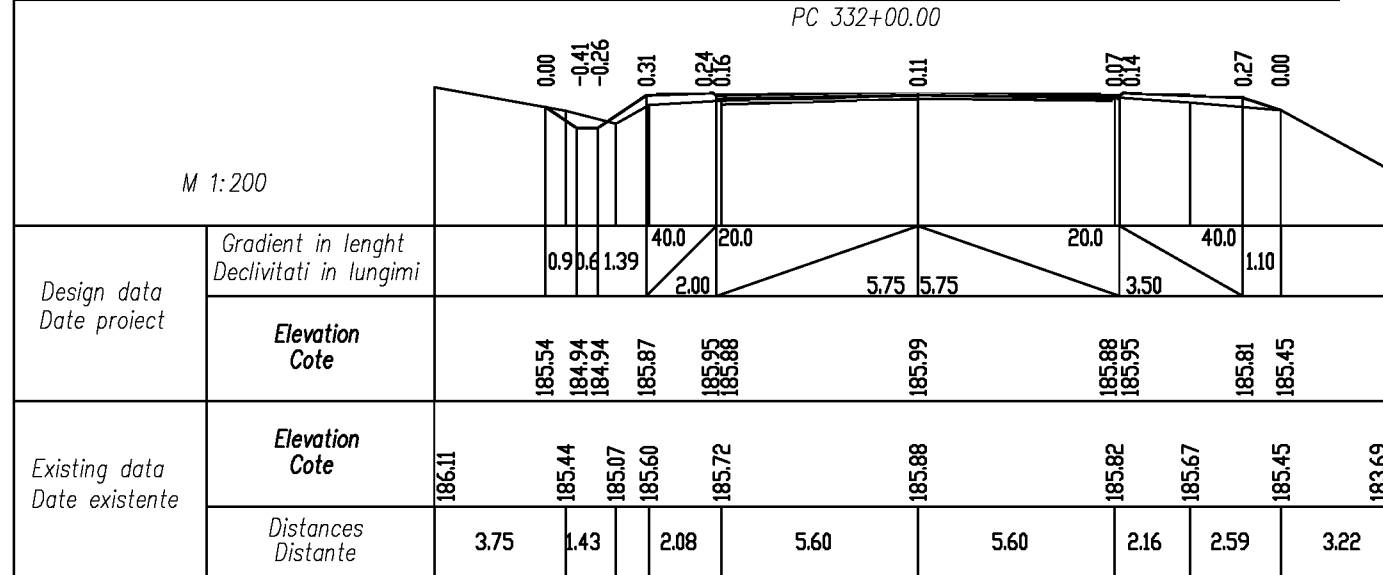
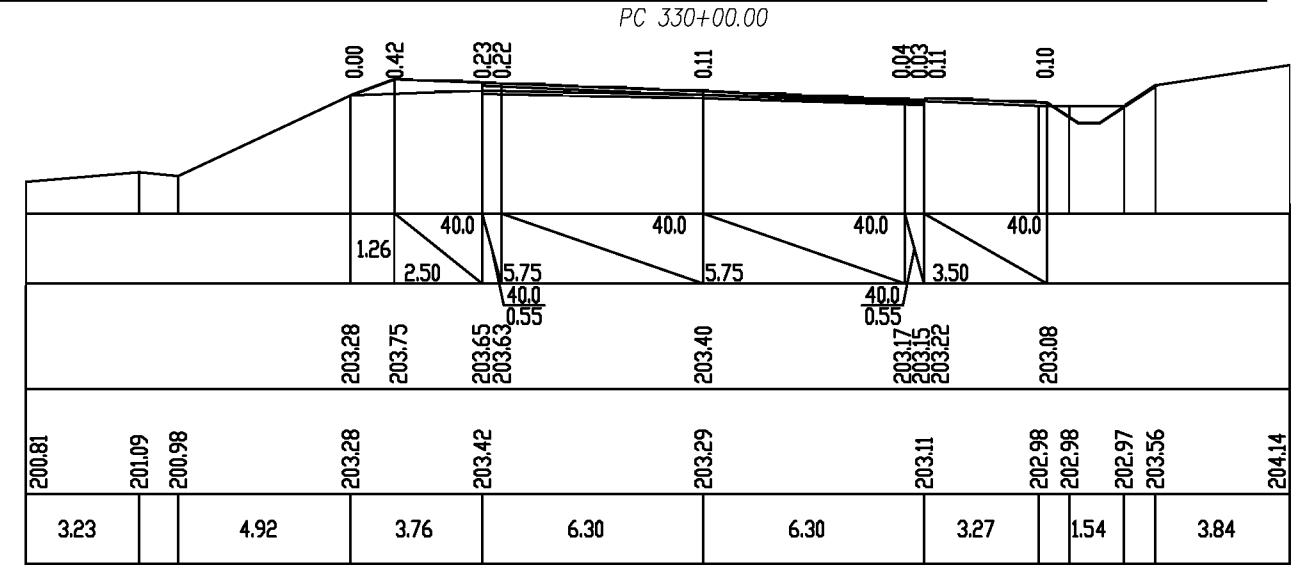
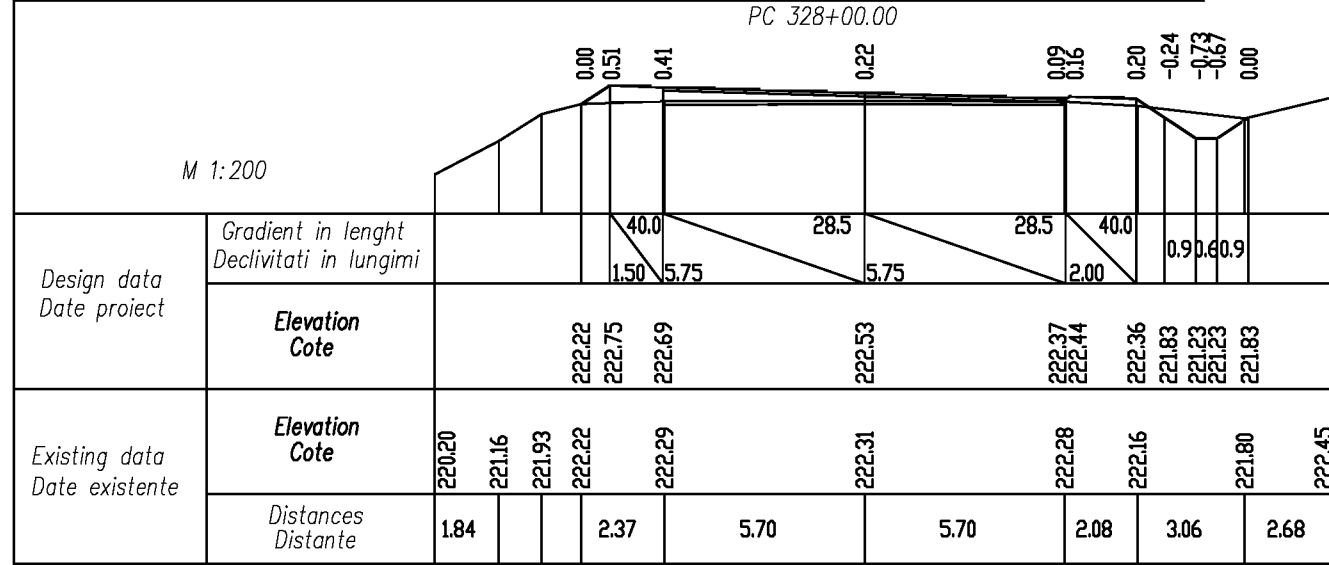
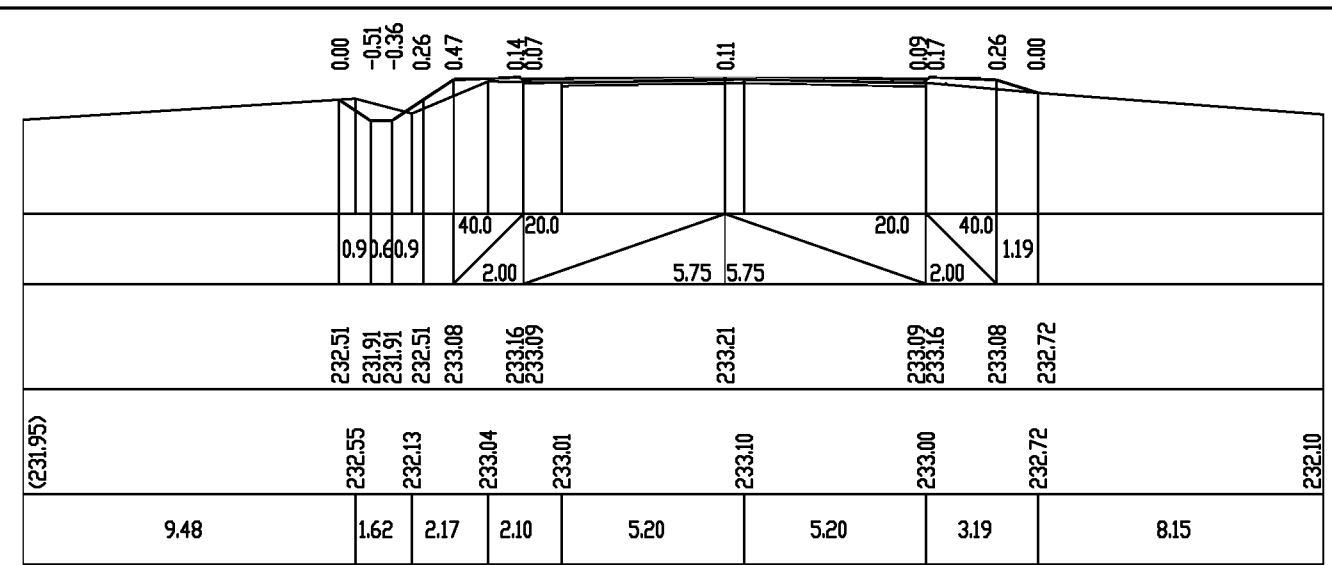
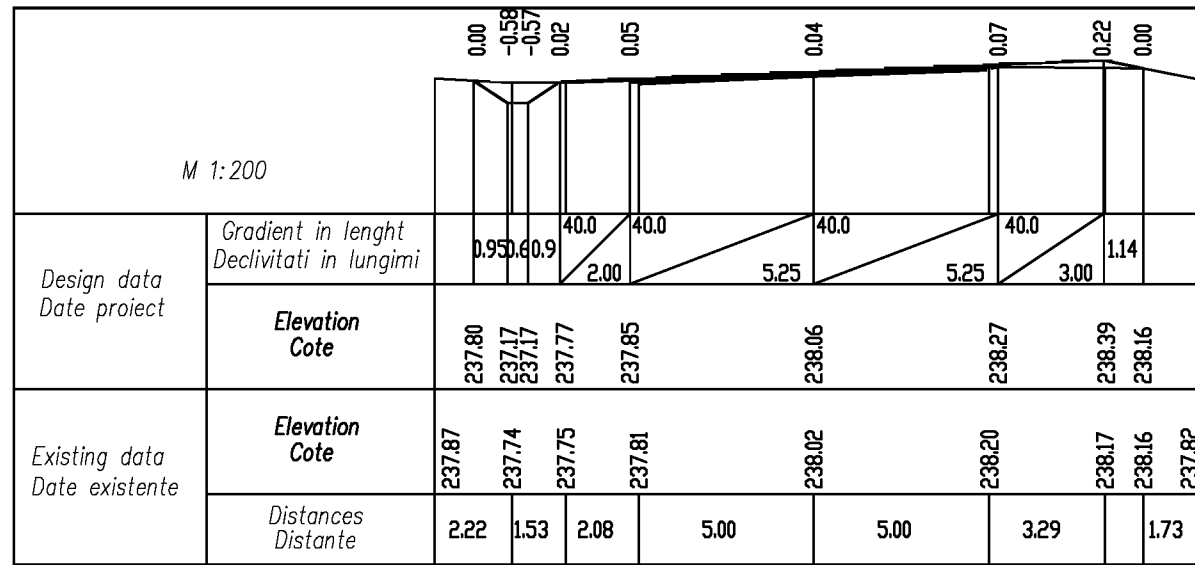
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>		
<b>Road Sector Programme Support Project</b>						
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:200
	Cross Sections of Earthwork Profile Transversale Terasamente PC 292+00 - PC 308+00		Checked	Bogza	Drawing	PT-DA-3
			Control STAS	Belic		



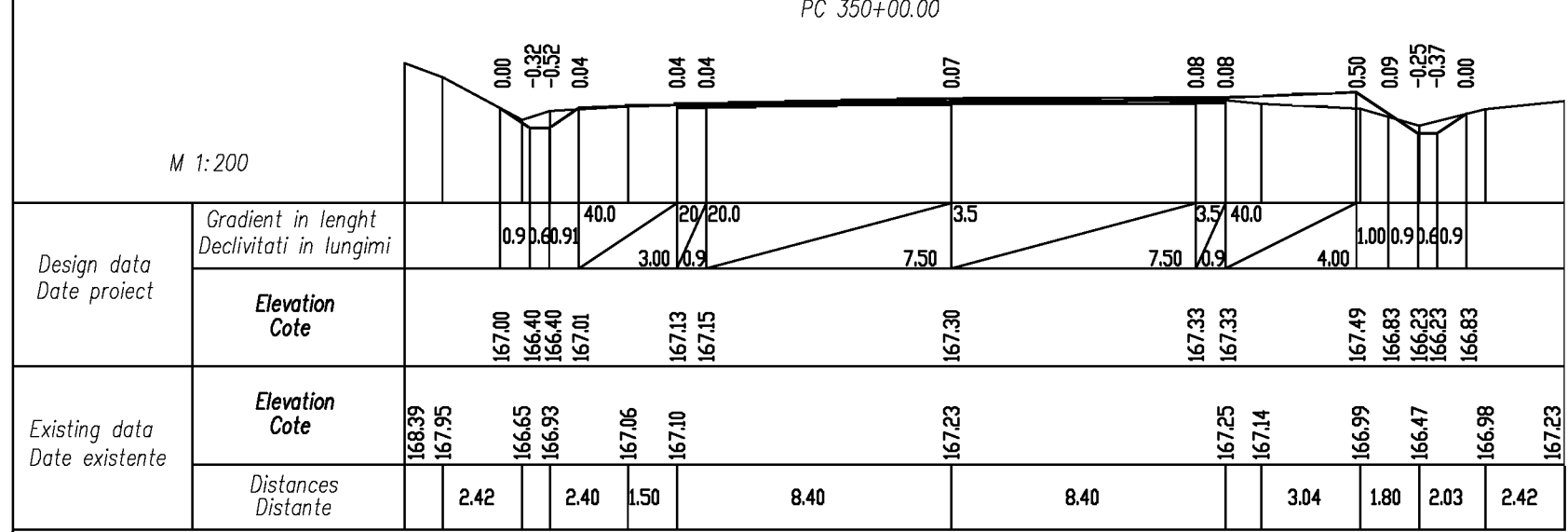
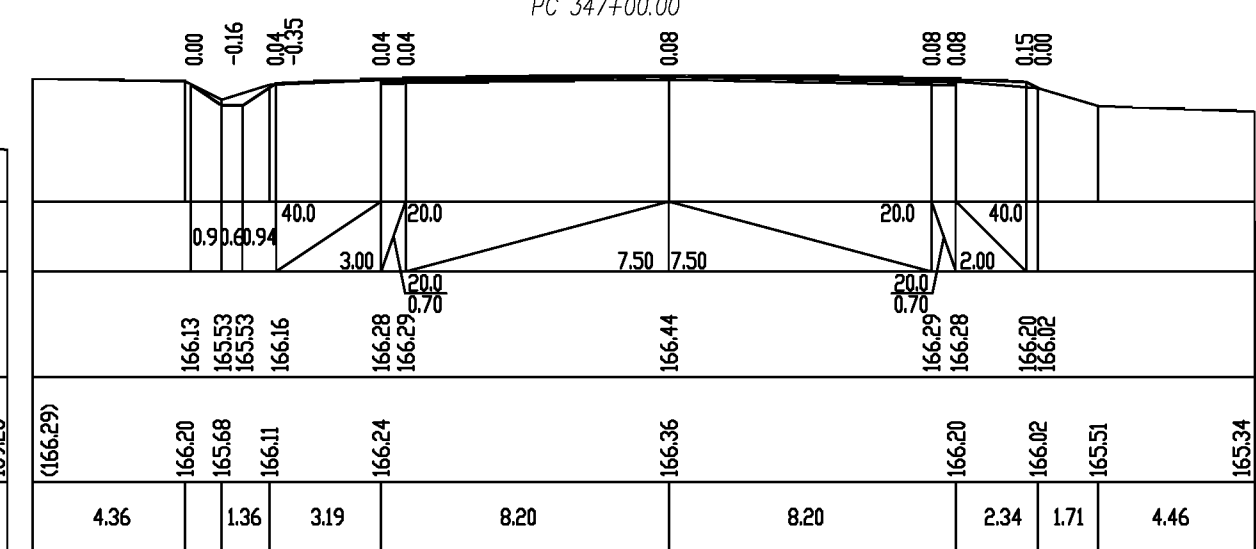
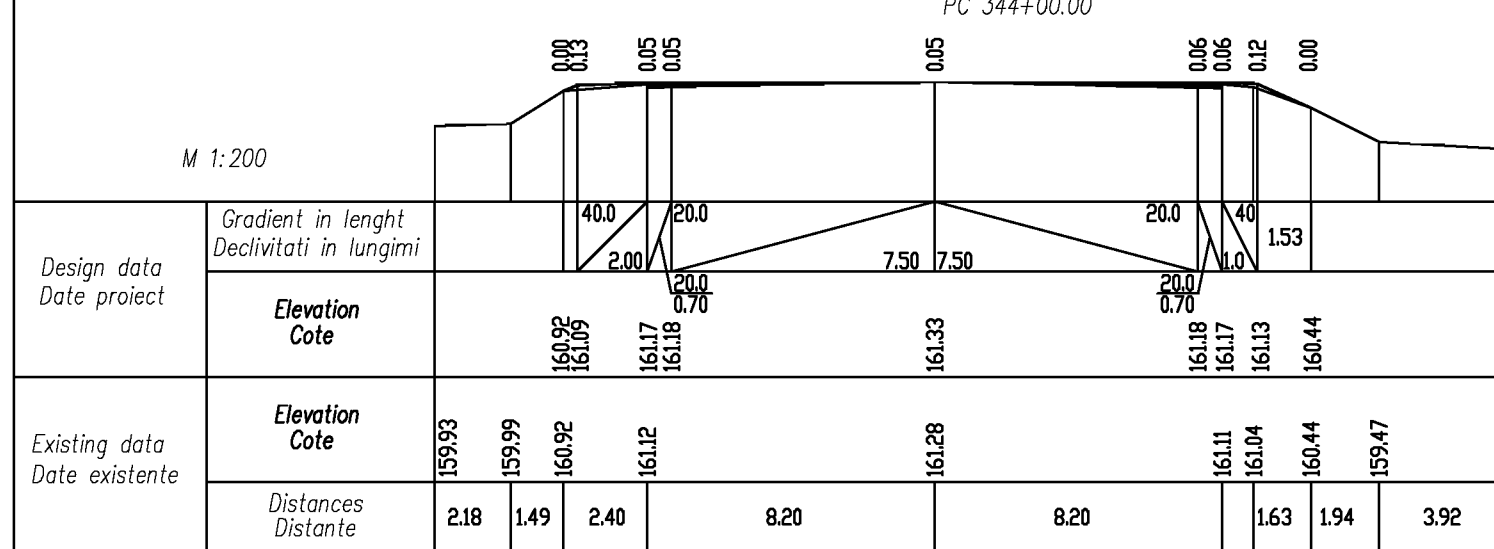
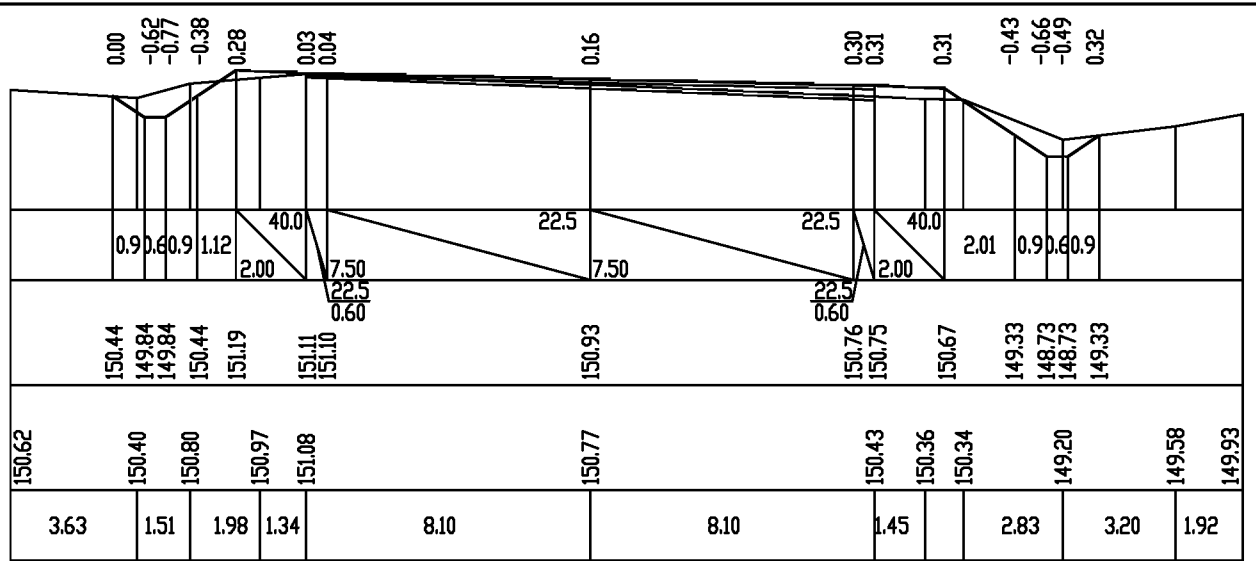
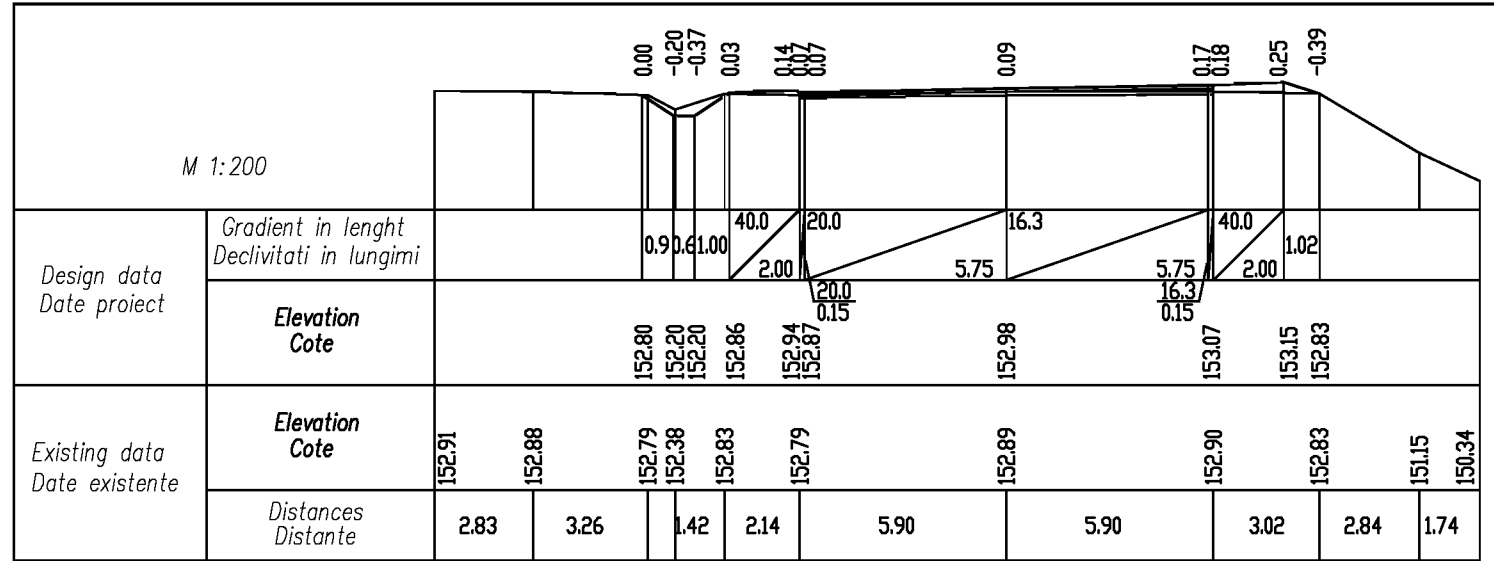
PC 322+50.00

PC 325+00.00

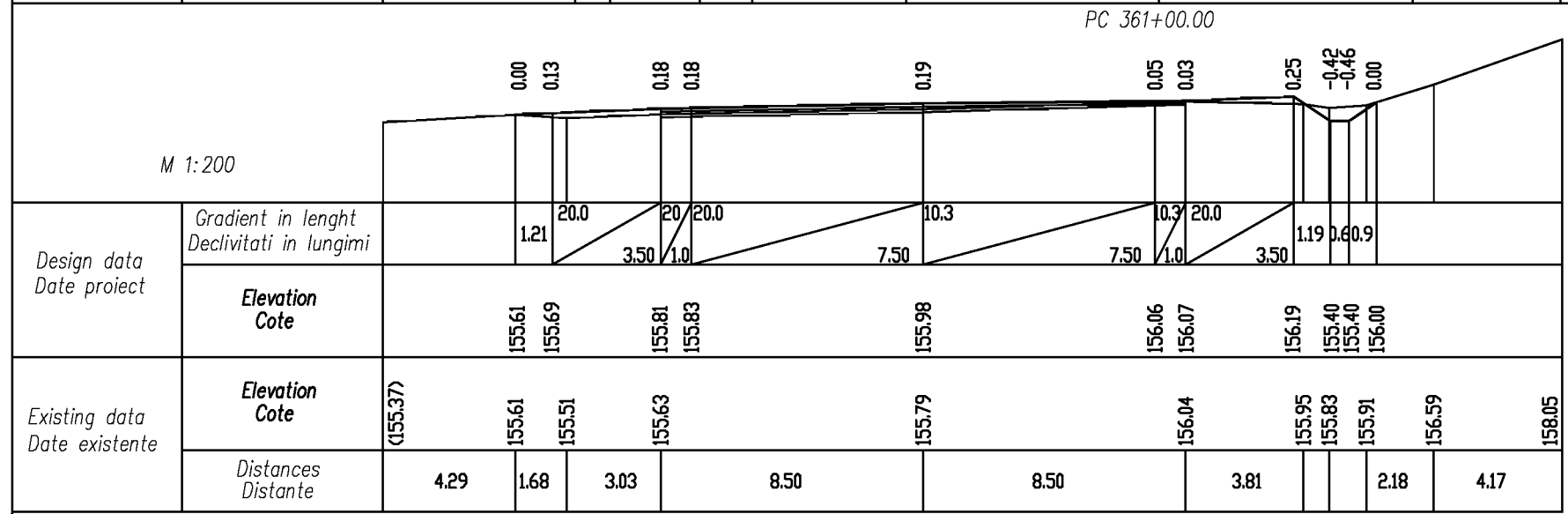
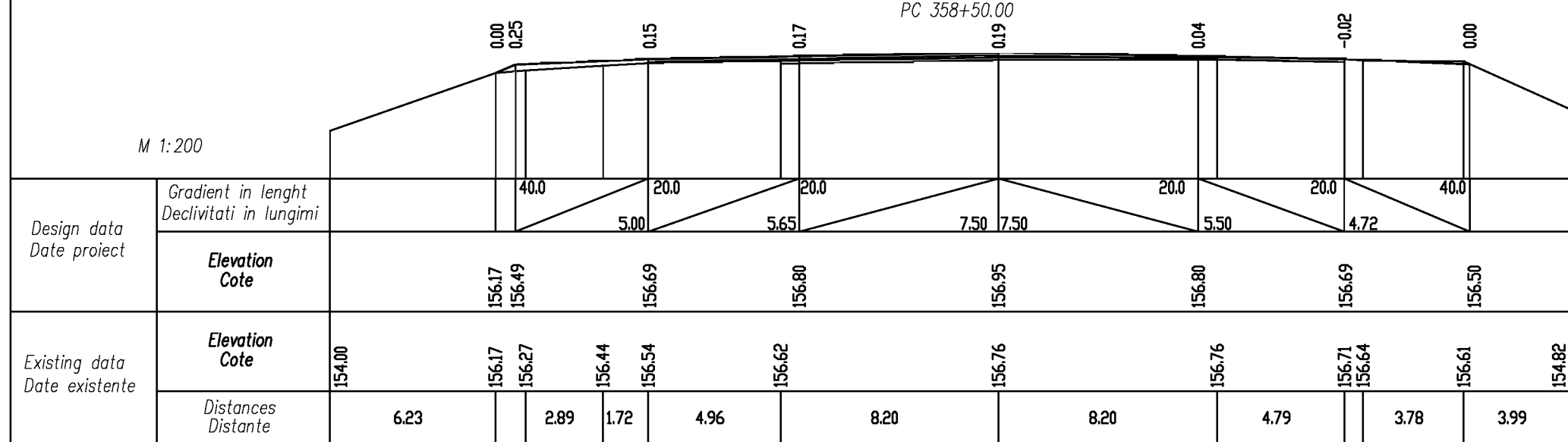
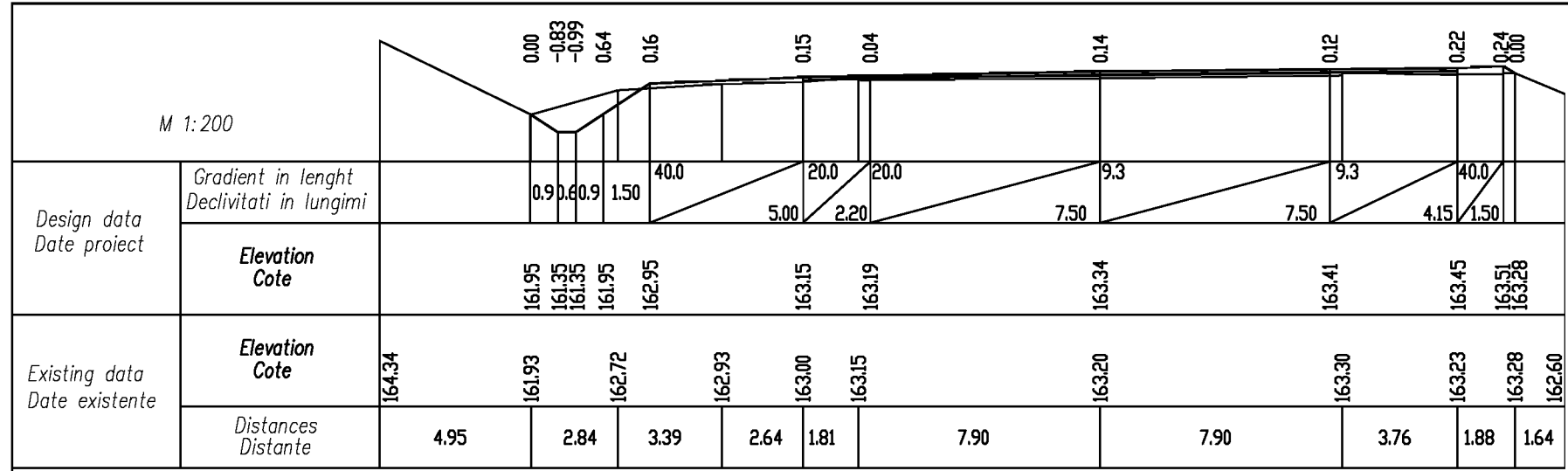
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Road Sector Programme Support Project</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>			
<b>Drawing title</b> Cross Sections of Earthwork Profile Transversale Terasamente PC 311+00 - PC 325+00		ISP	Bogza	Date	12.2007		
		Designed	Gisca	Scale	1:200		
		Checked	Bogza	Drawing	PT-DA-4		
		Control STAS	Belic				



<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>	
	<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 328+00 - PC 341+00</b>		<b>Designed</b>	<b>Gisca</b>	<b>Scale</b>	<b>1:200</b>	
			<b>Checked</b>	<b>Bogza</b>	<b>Drawing</b>	<b>PT-DA-5</b>	
			<b>Control STAS</b>	<b>Belic</b>			

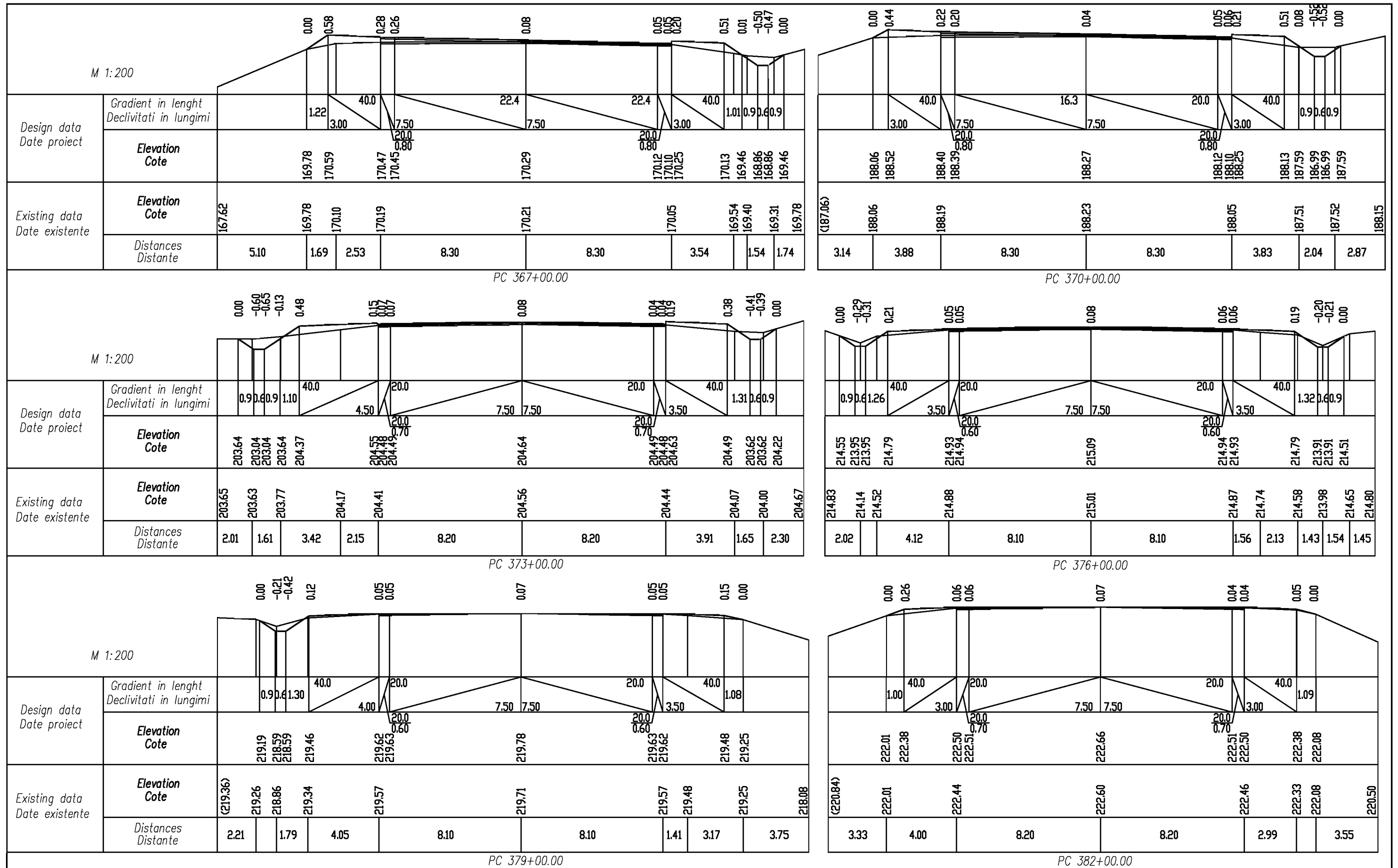


<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
		<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 344+00 - PC 356+00</b>		<b>Designed</b>	<b>Gisca</b>	<b>Scale</b>	<b>1:200</b>
				<b>Checked</b>	<b>Bogza</b>	<b>Drawing</b>	<b>PT-DA-6</b>
				<b>Control STAS</b>	<b>Belic</b>		



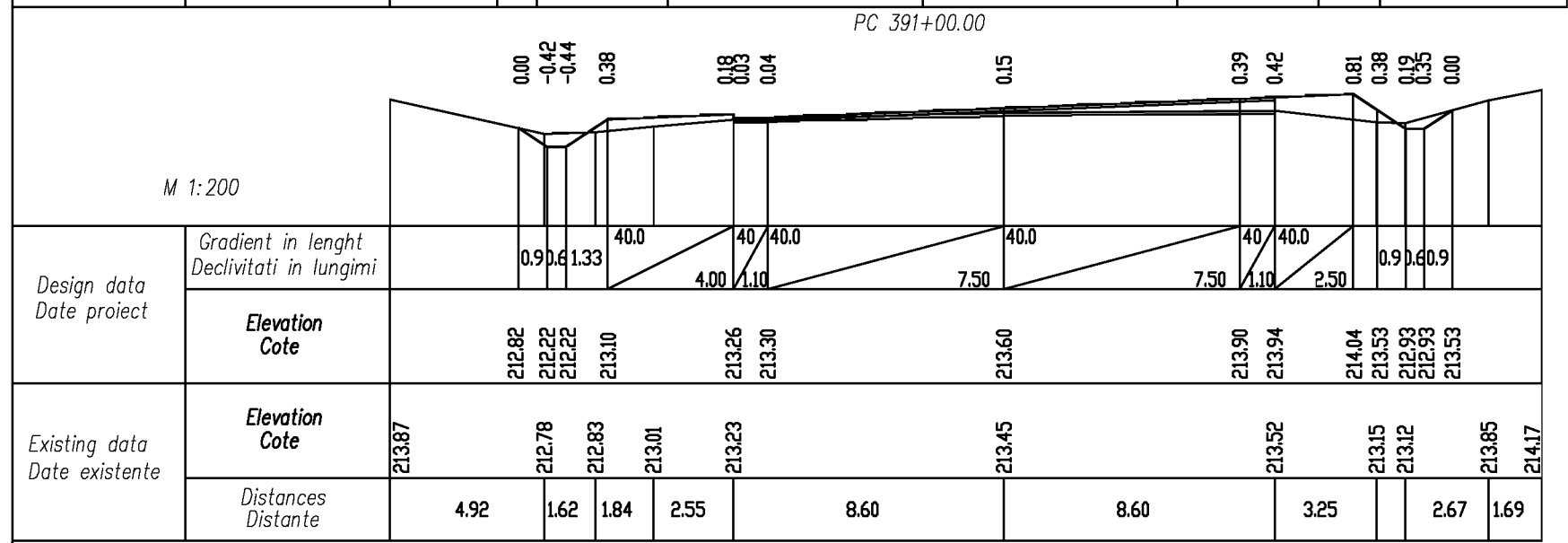
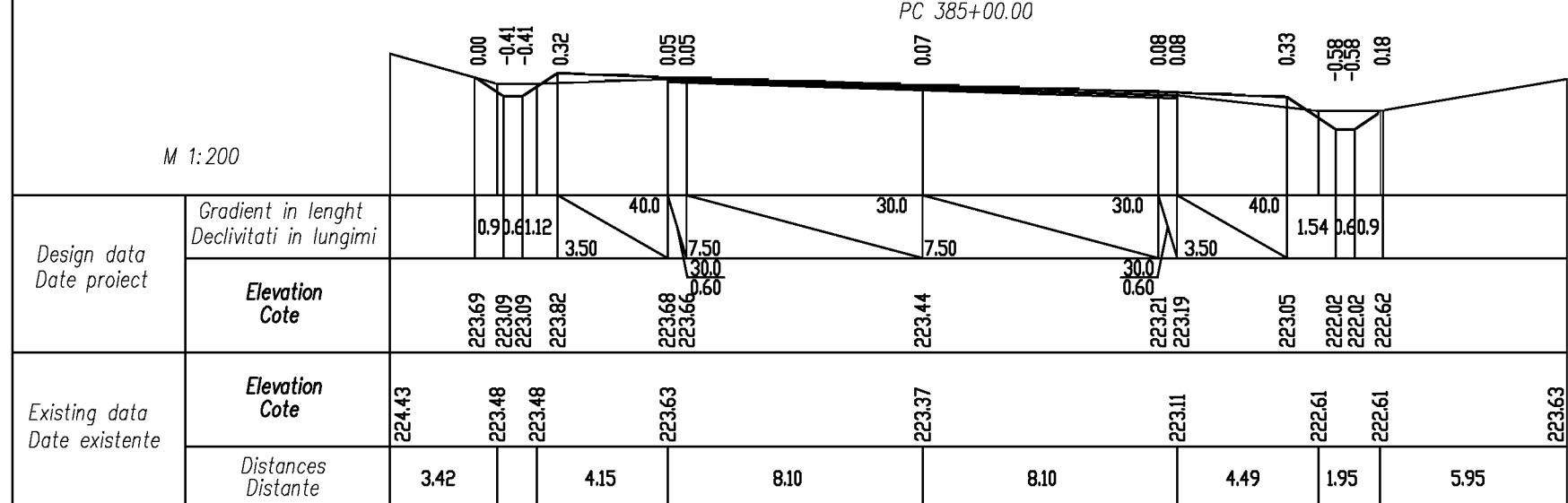
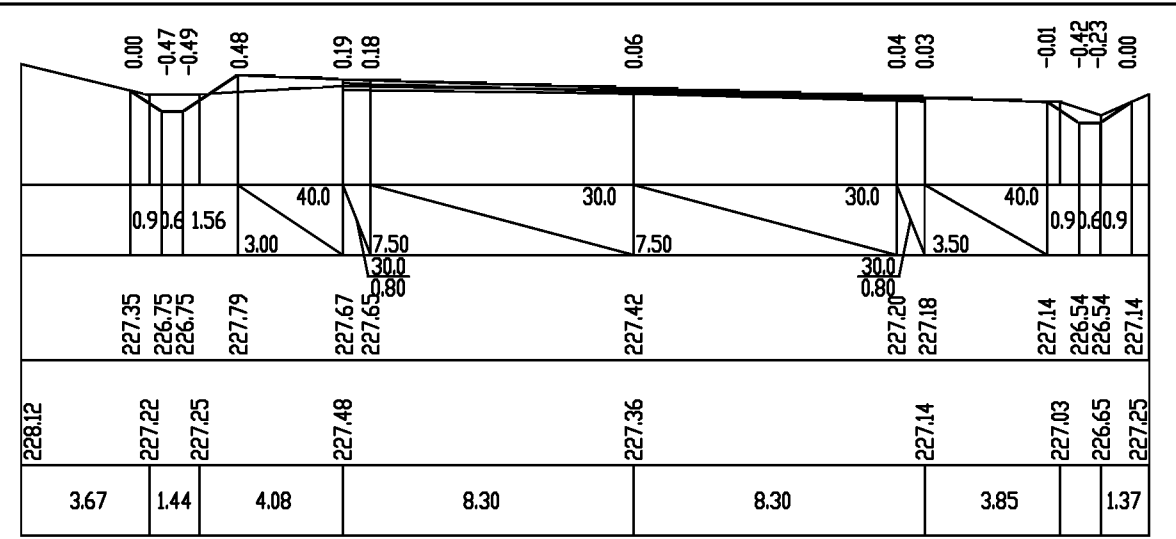
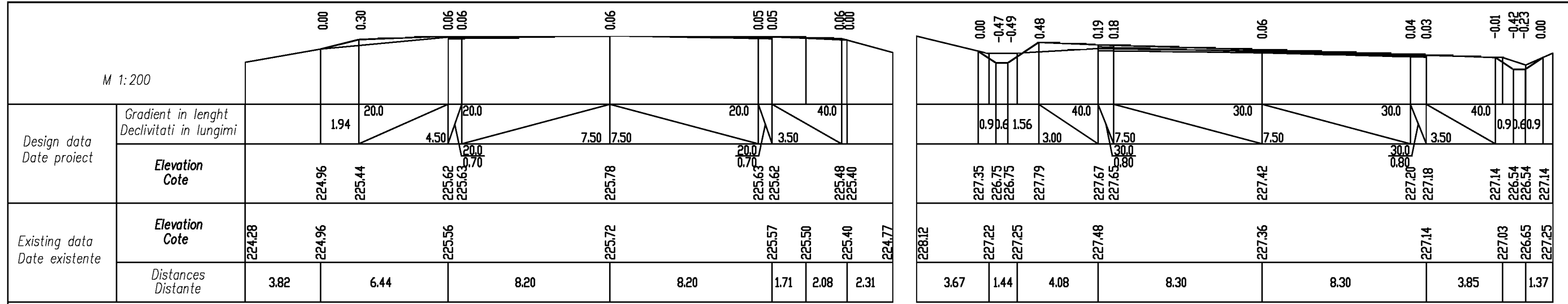
PC 364+00.00

<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
		<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 358+50 - PC 364+00</b>		<b>Designed</b>	<b>Gisca</b>	<b>Scale</b>	<b>1:200</b>
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				<b>Control STAS</b>	<b>Belic</b>		

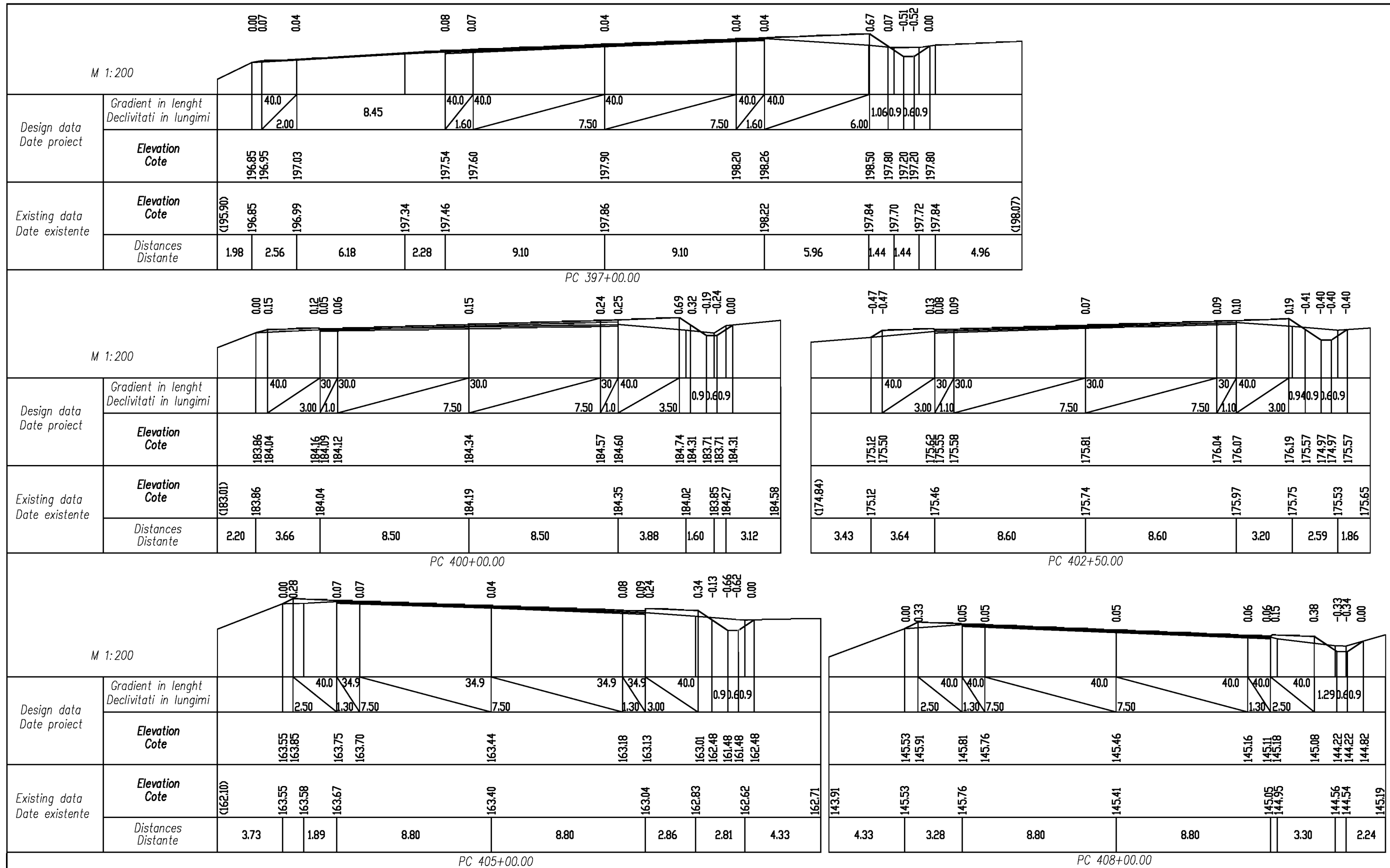


<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>		
<b>Road Sector Programme Support Project</b>						
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date
		<small>Drawing title</small> <b>Cross Sections of Earthwork Profile Transversale Terasamente PC 367+00 - PC 382+00</b>		Designed	Gisca	Scale
				Checked	Bogza	Drawing
				Control STAS	Belic	
				Date	12.2007	

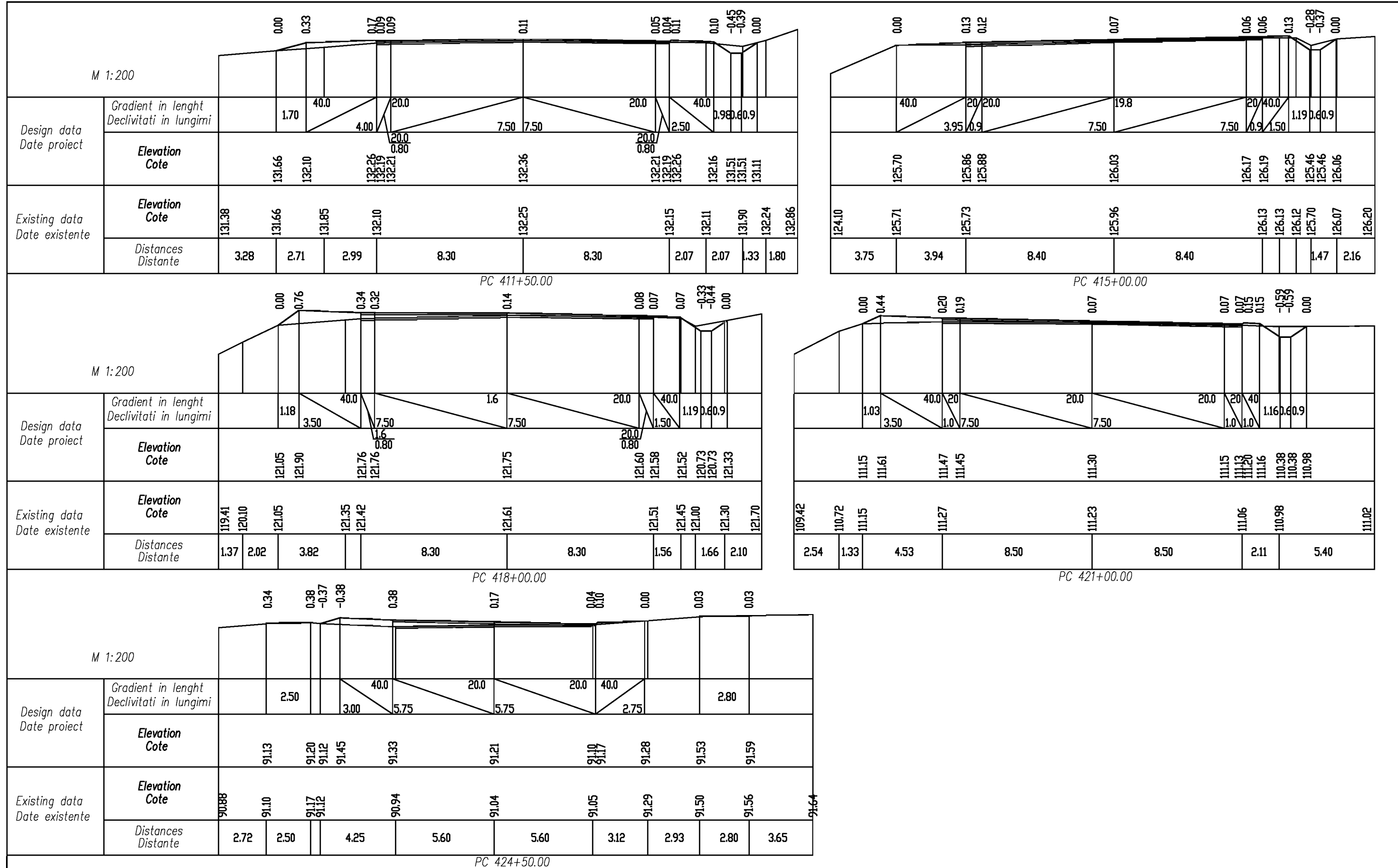




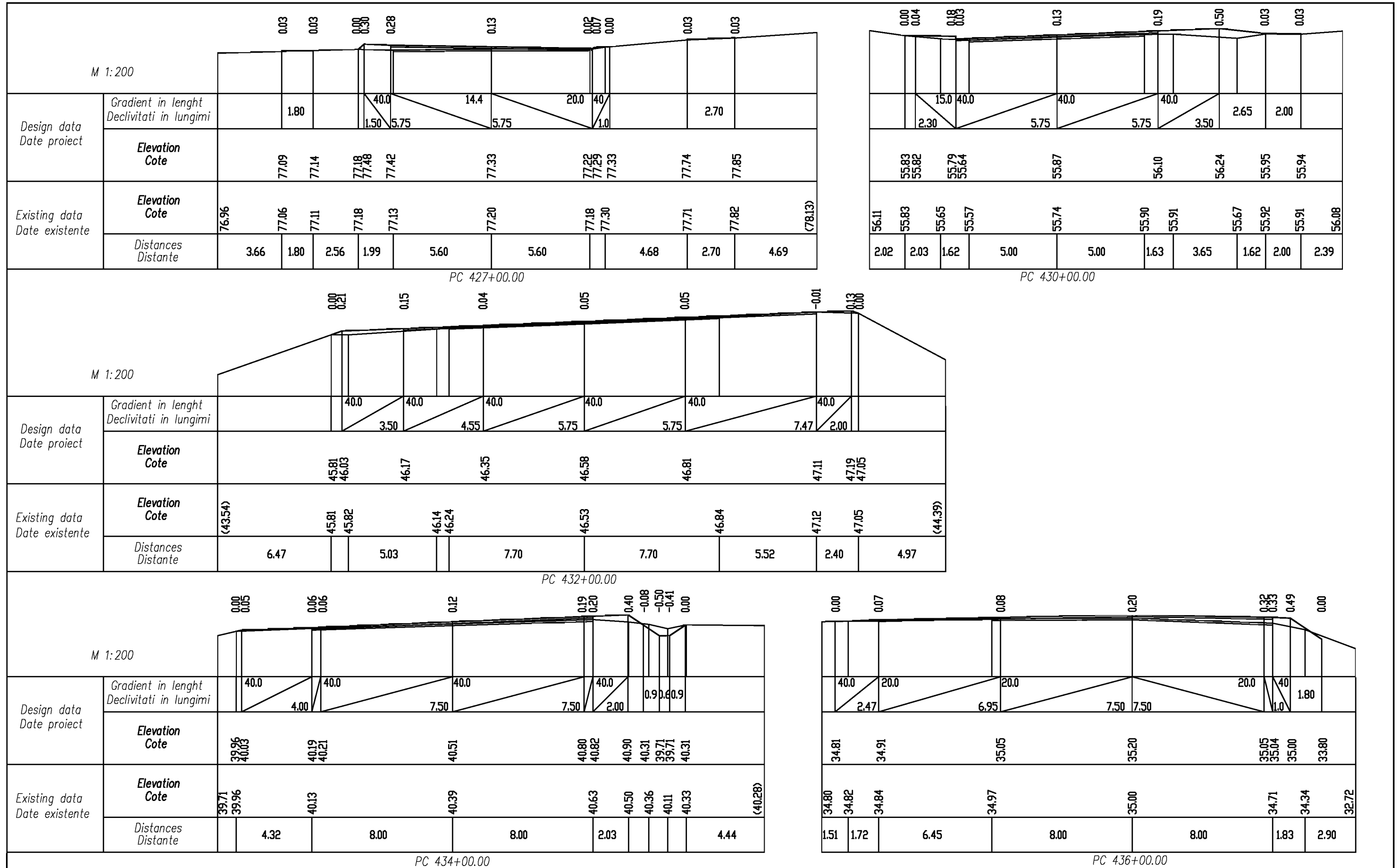
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
		<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 385+00 - PC 394+00</b>		<b>Designed</b>	<b>Gisca</b>	<b>Scale</b>	<b>1:200</b>
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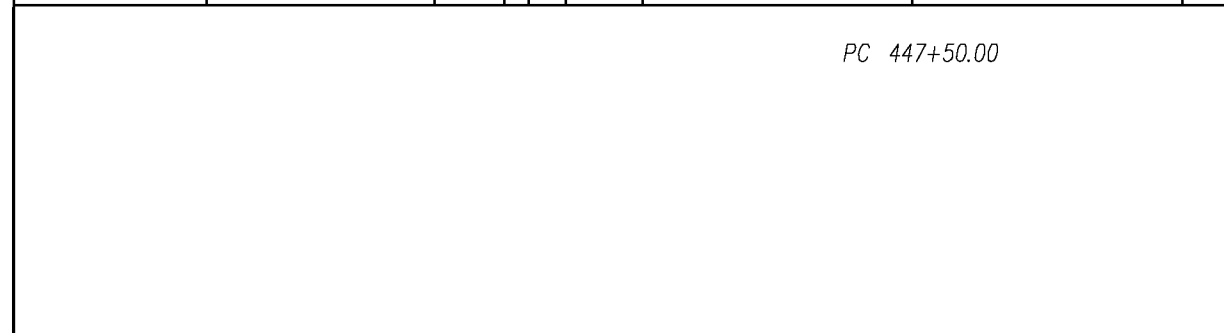
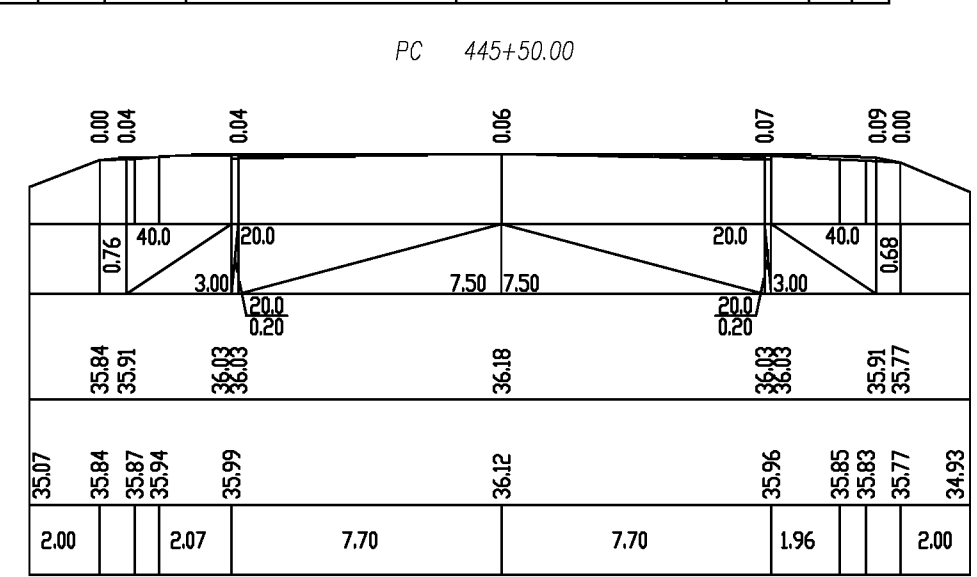
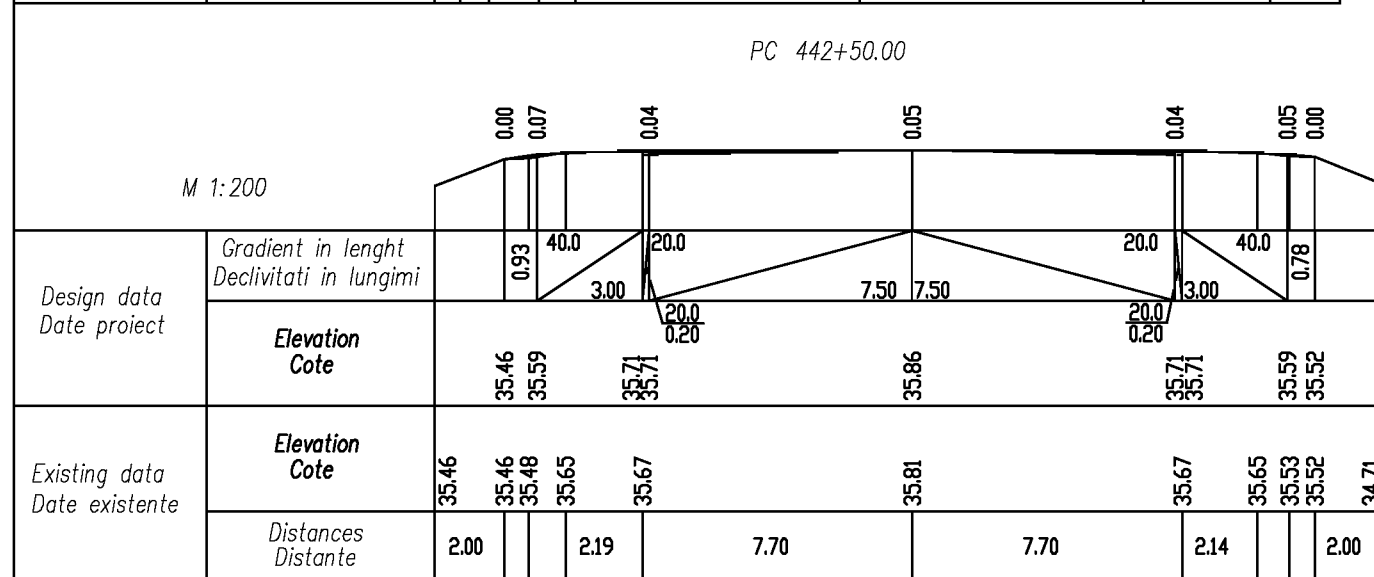
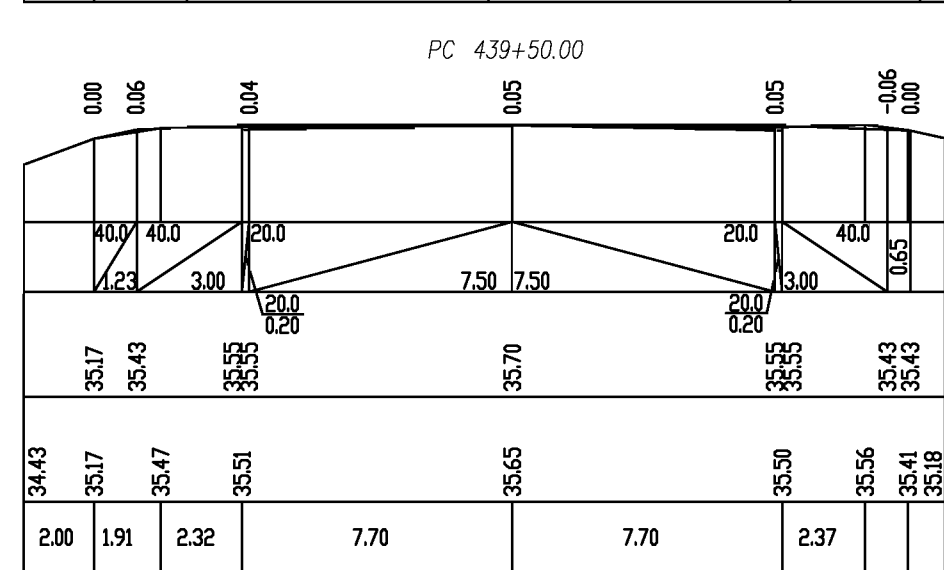
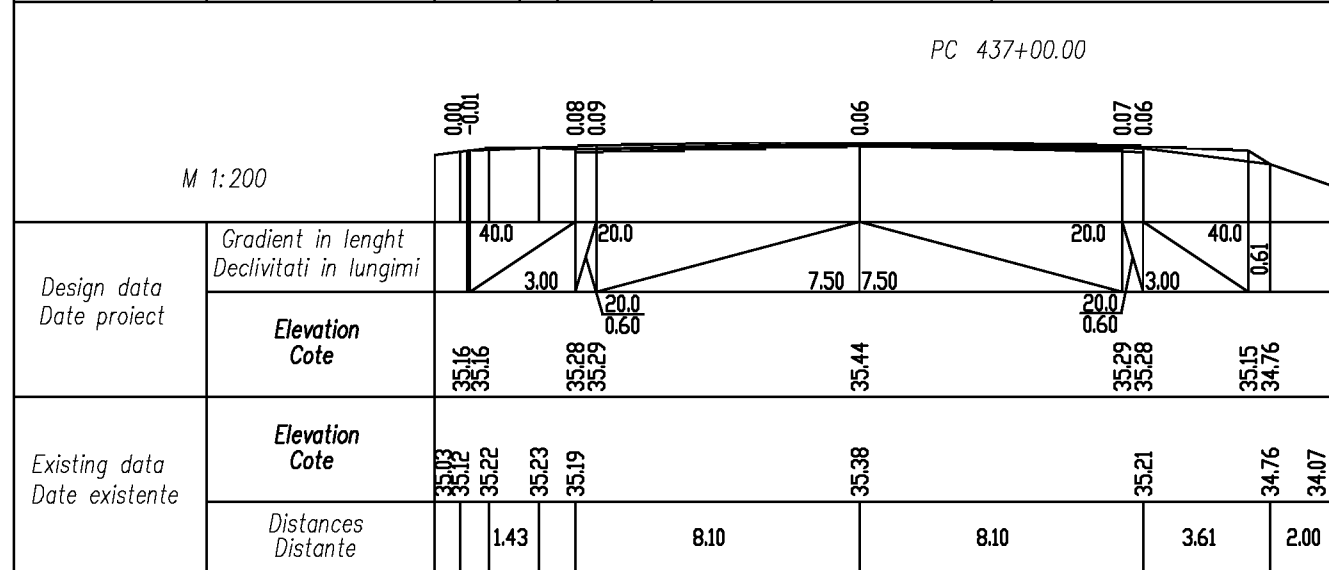
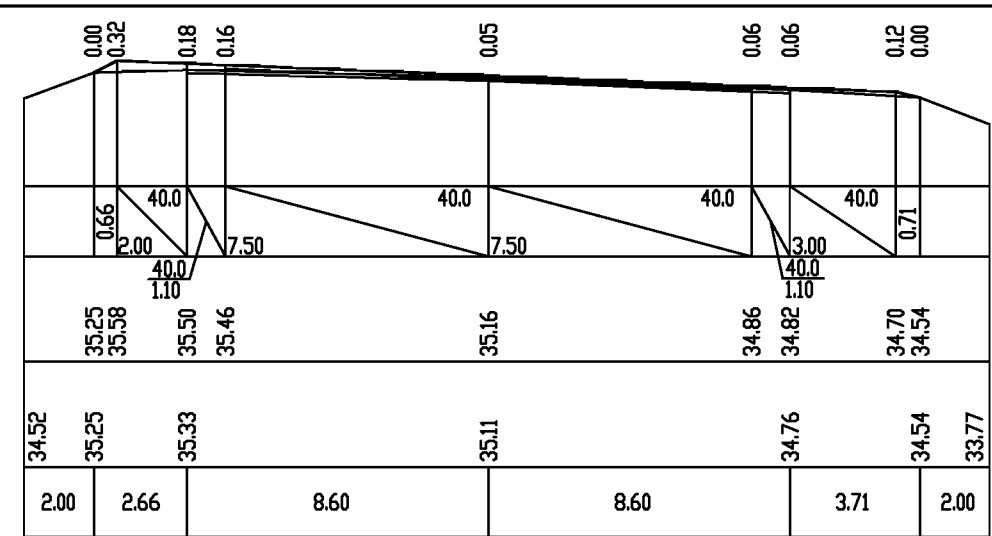
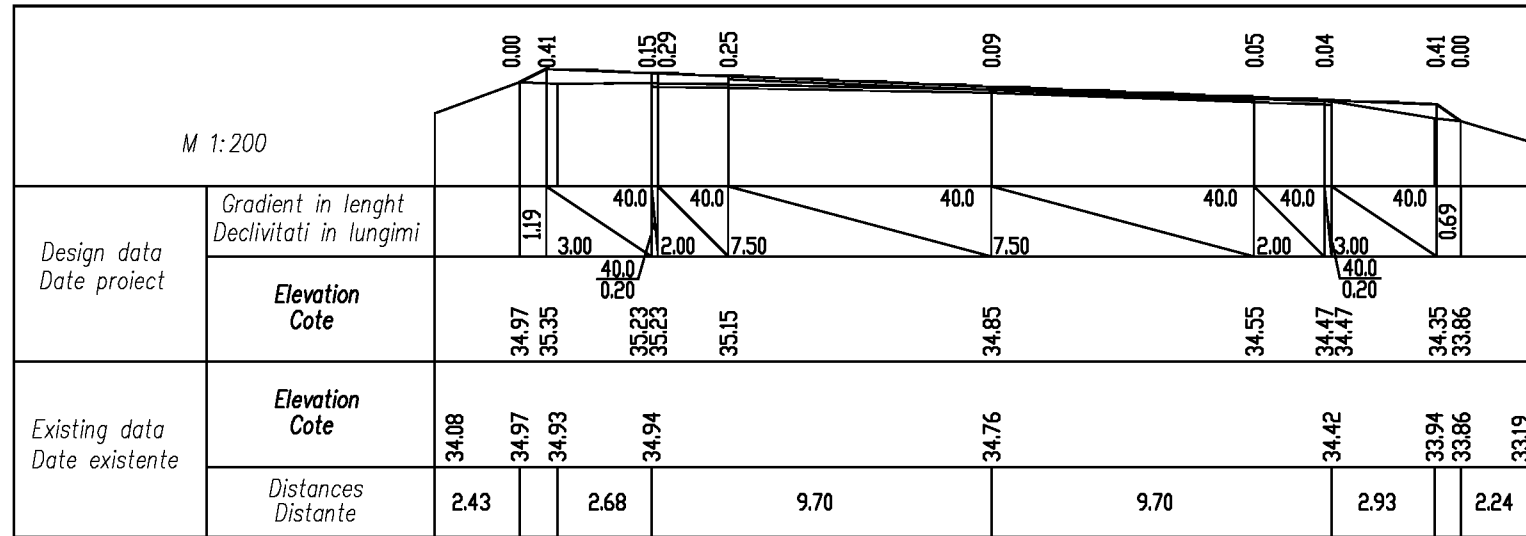
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector</b>		<b>Programme Support</b>		<b>Project</b>	
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
		<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 397+00 - PC 408+00</b>		Designed	Gisca	Scale	1:200
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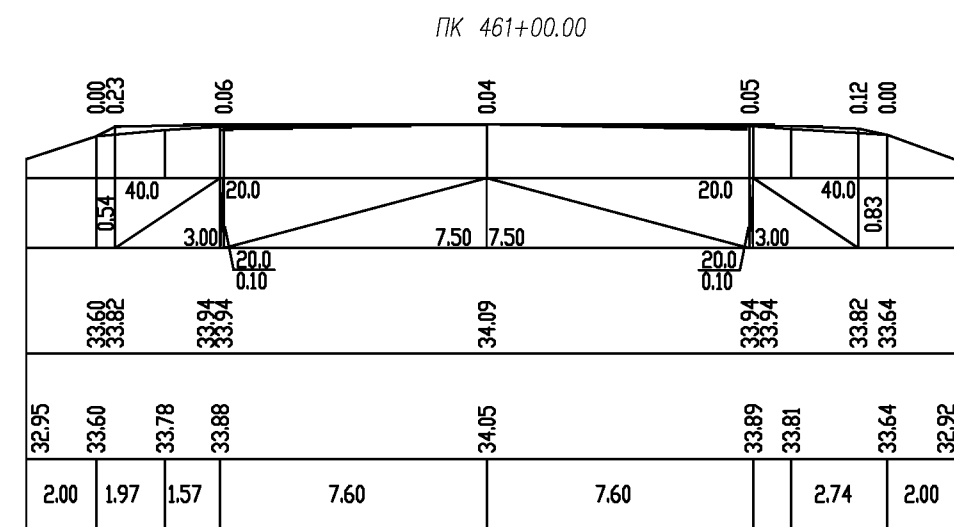
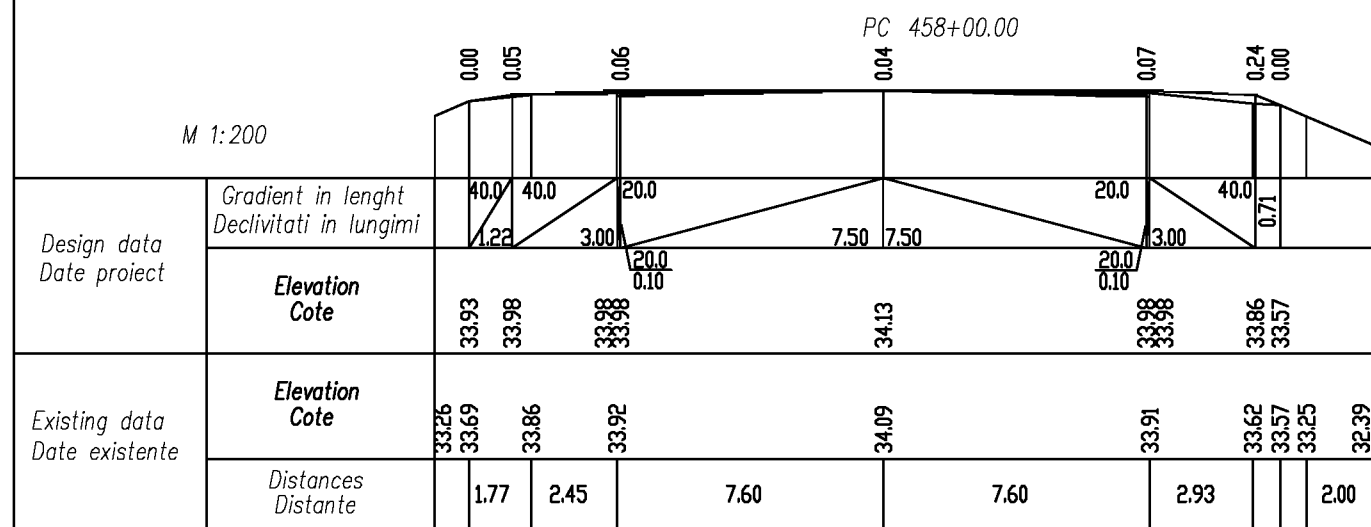
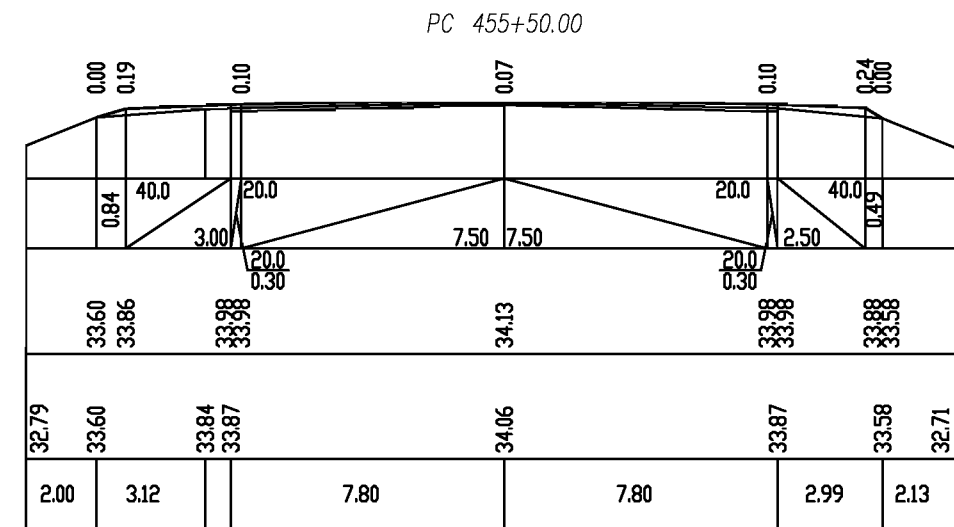
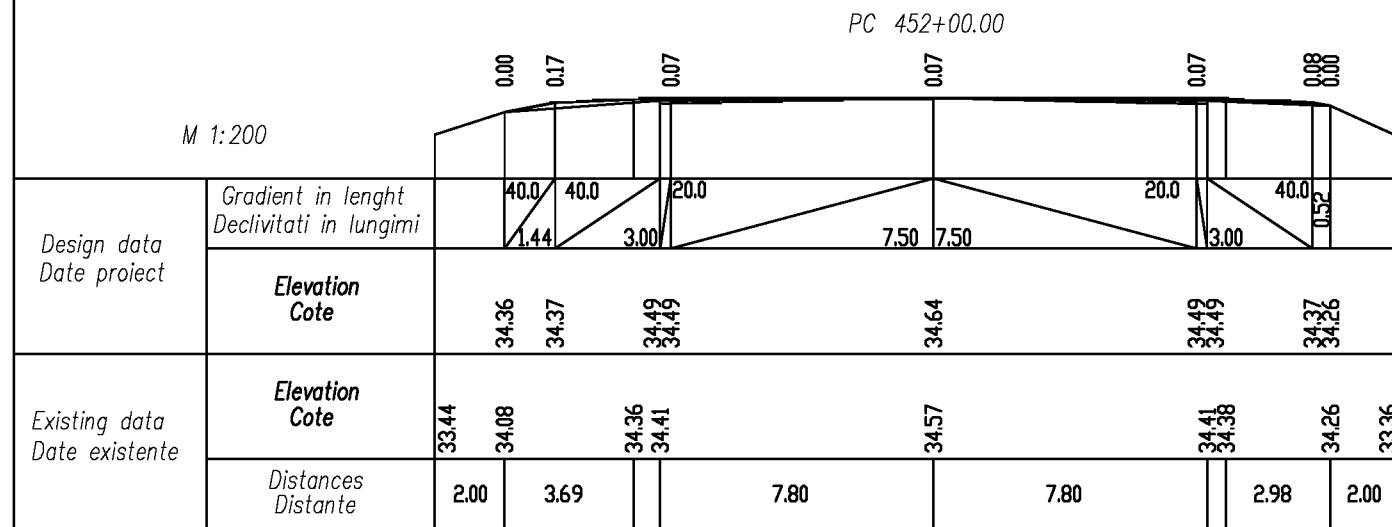
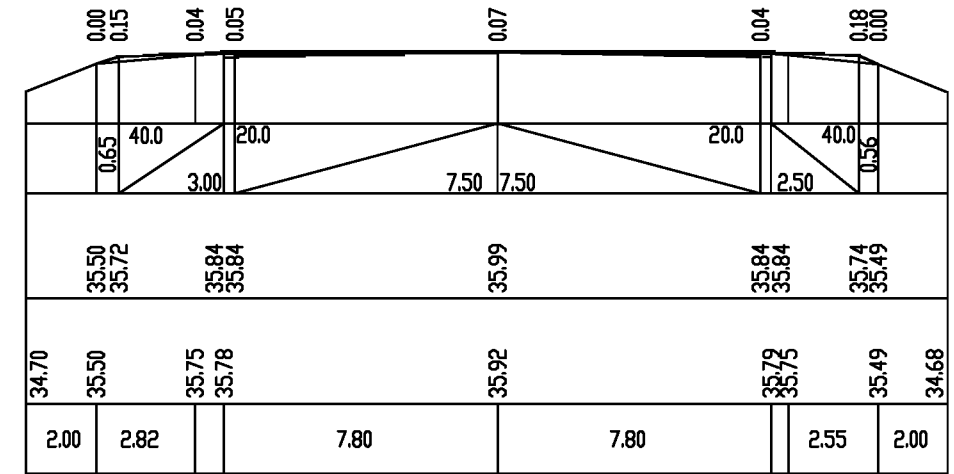
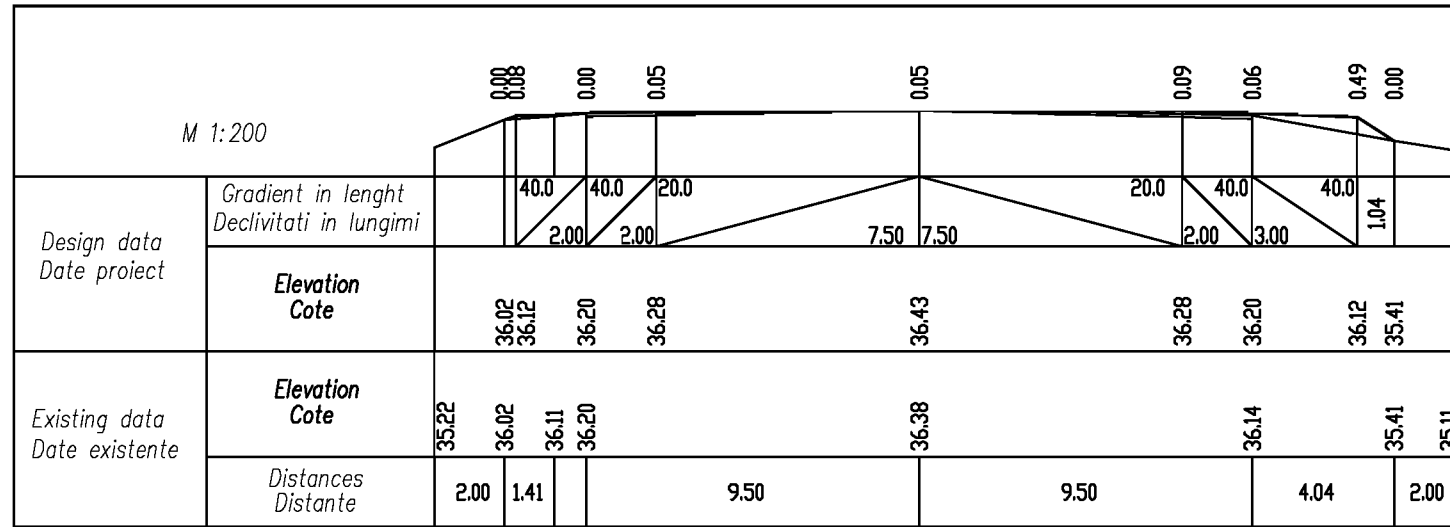
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
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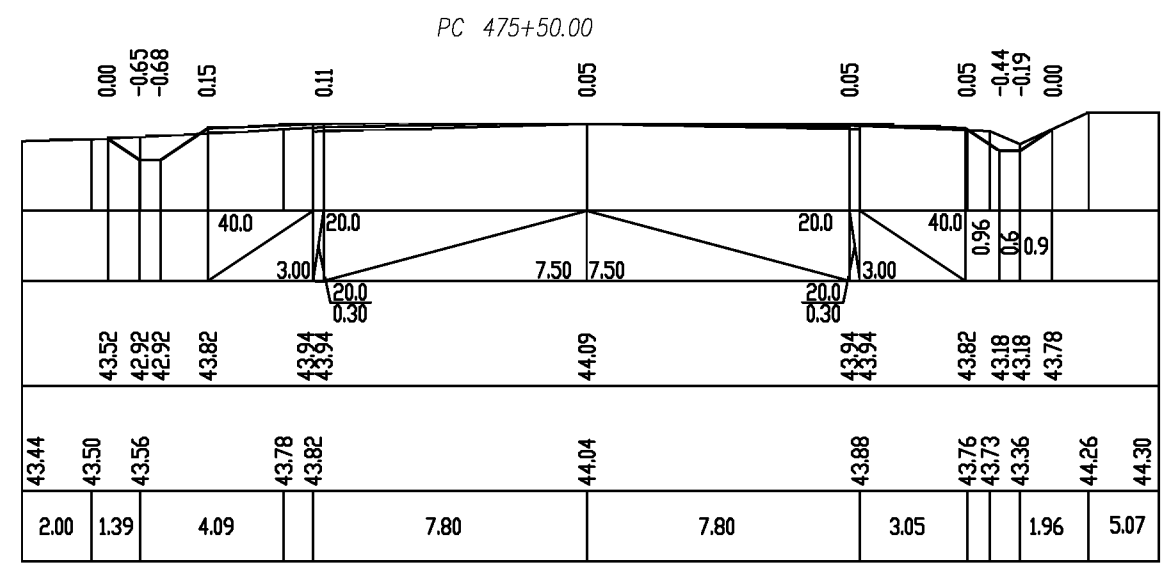
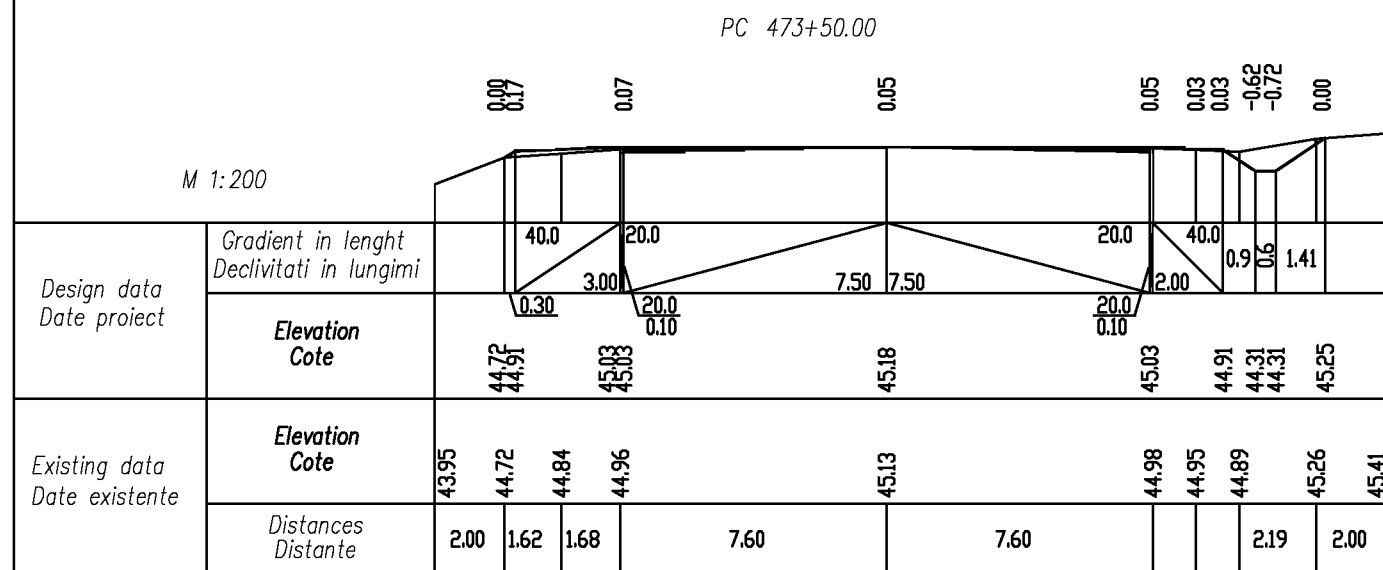
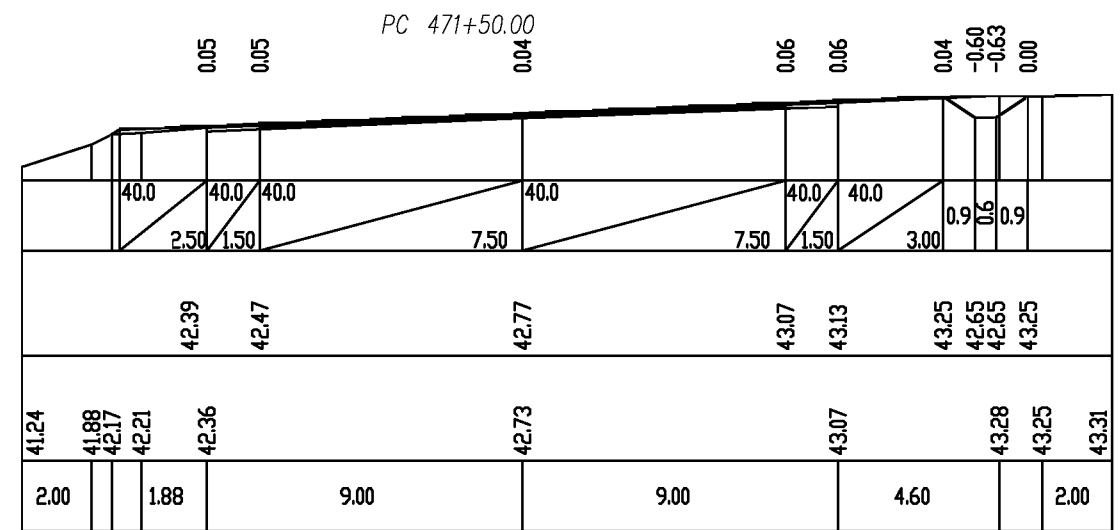
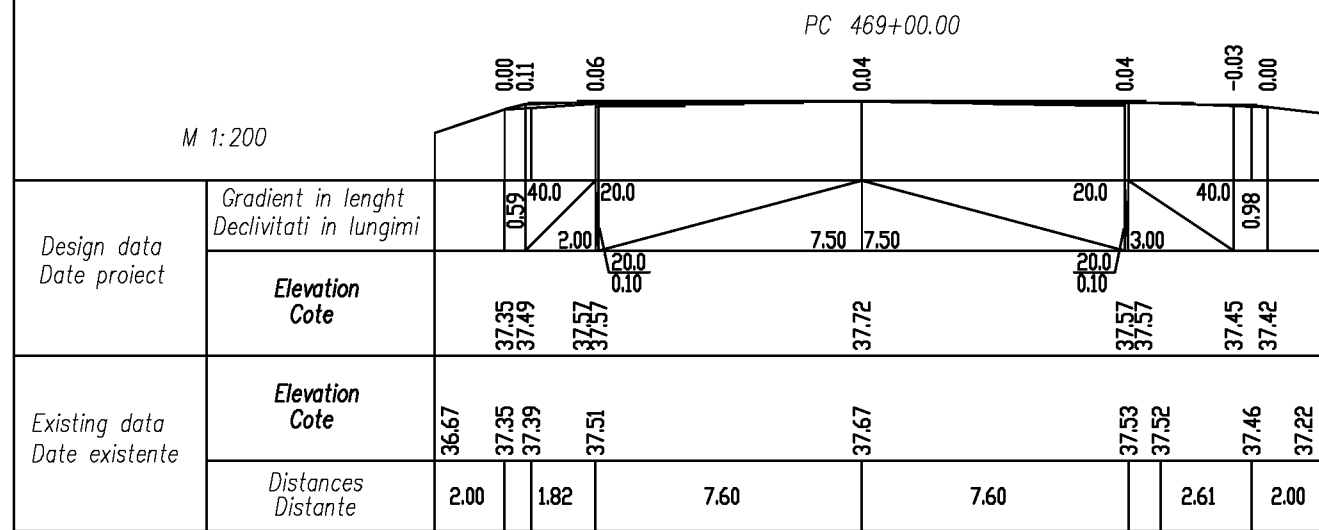
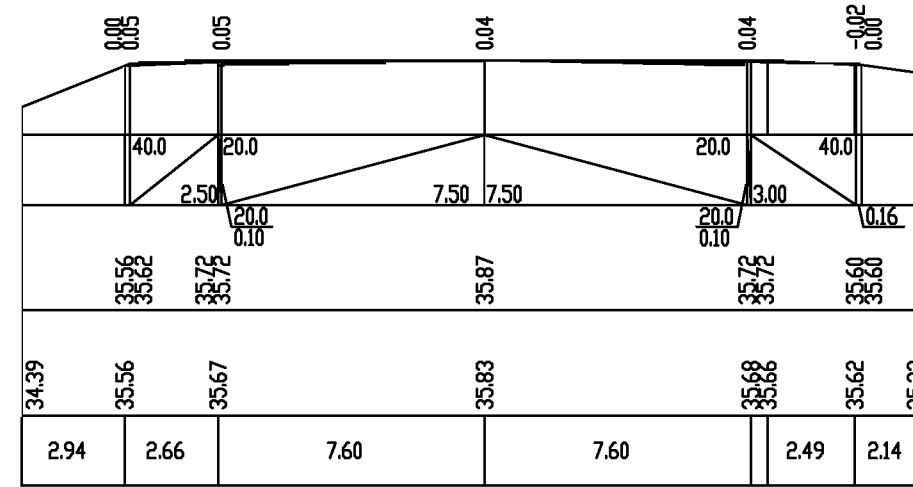
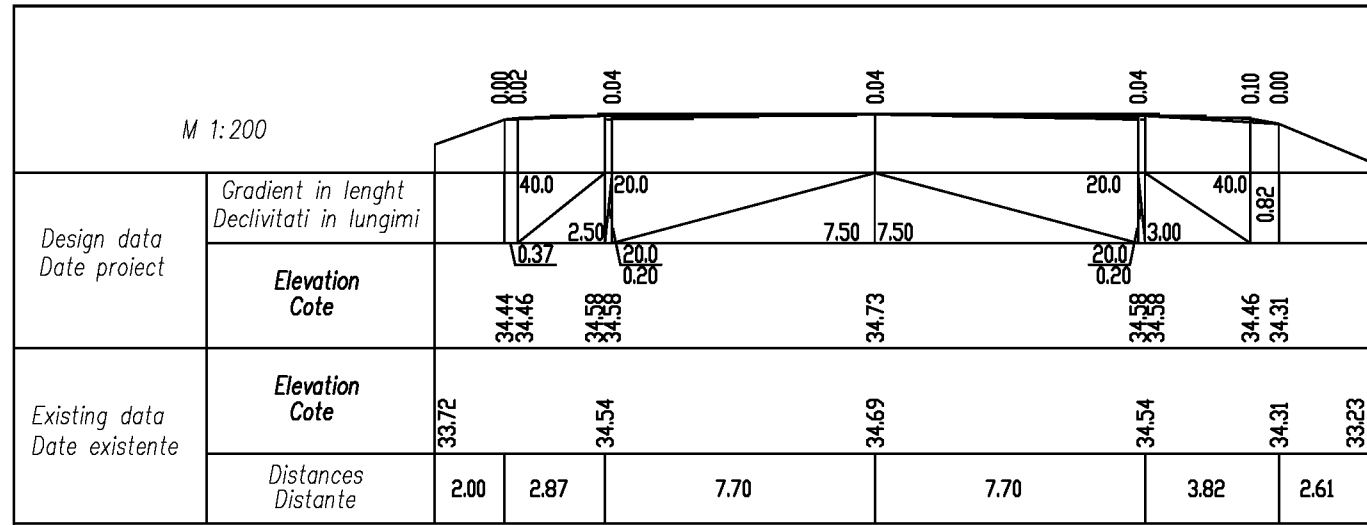
<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007	
	<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 427+00 - PC 436+00</b>		Designed	Gisca	Scale	1:200	
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			Control STAS	Belic			



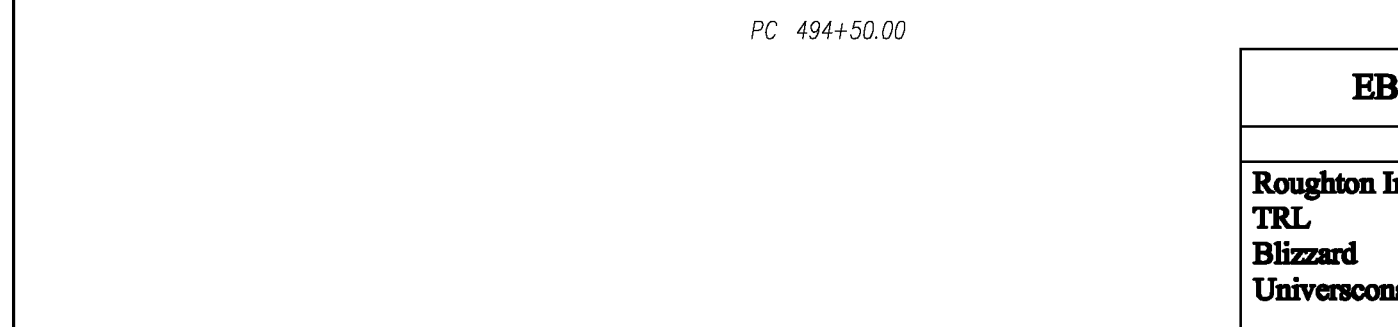
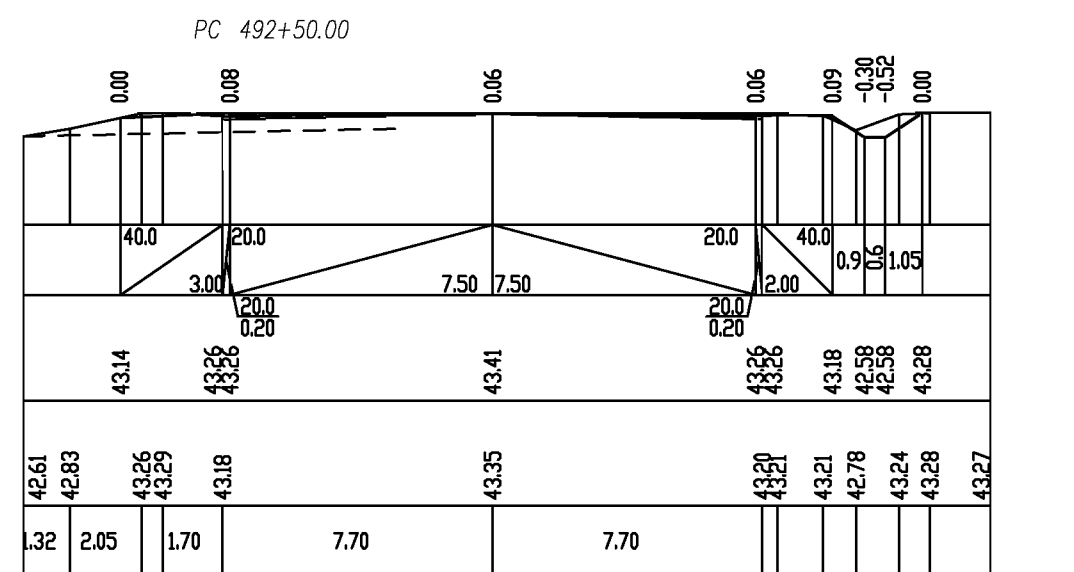
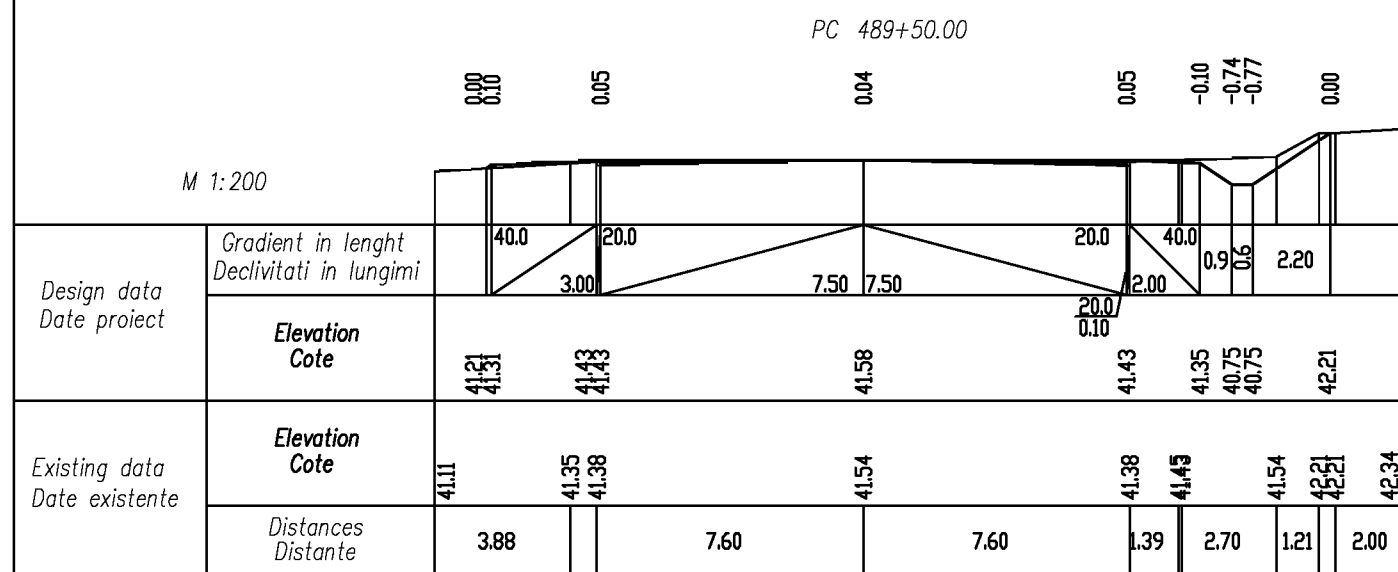
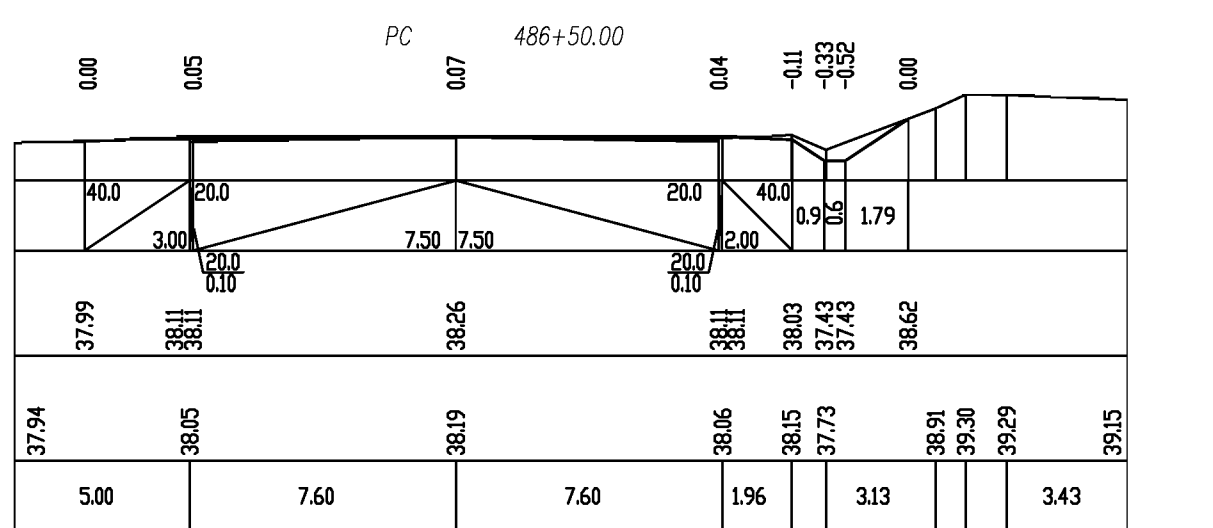
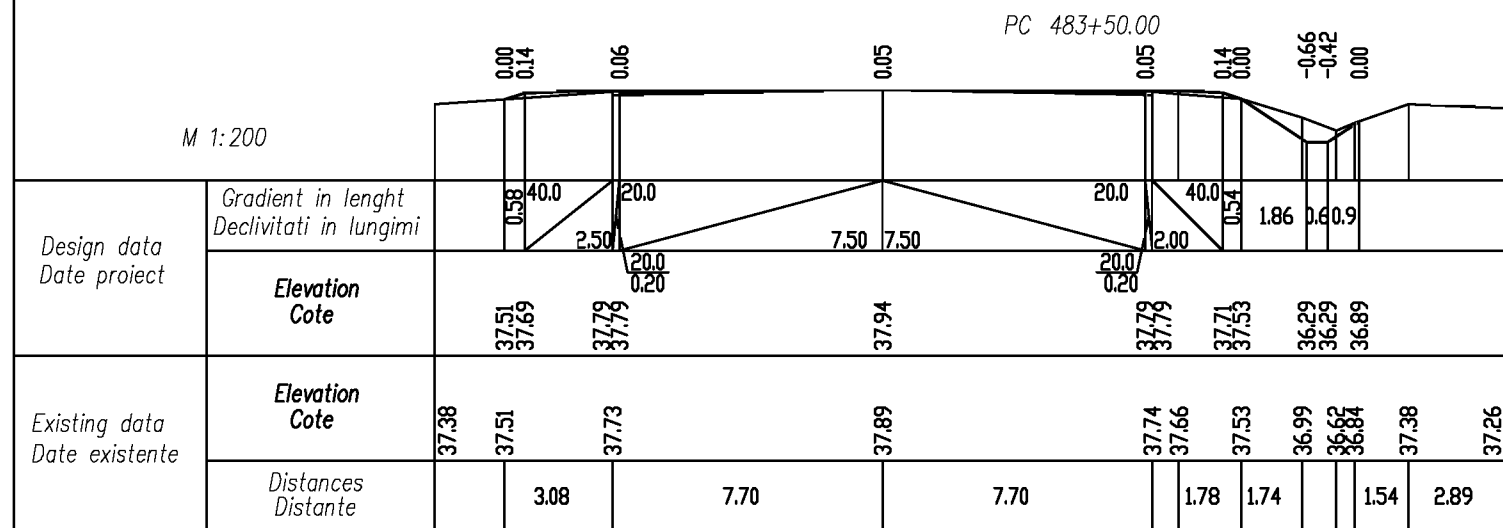
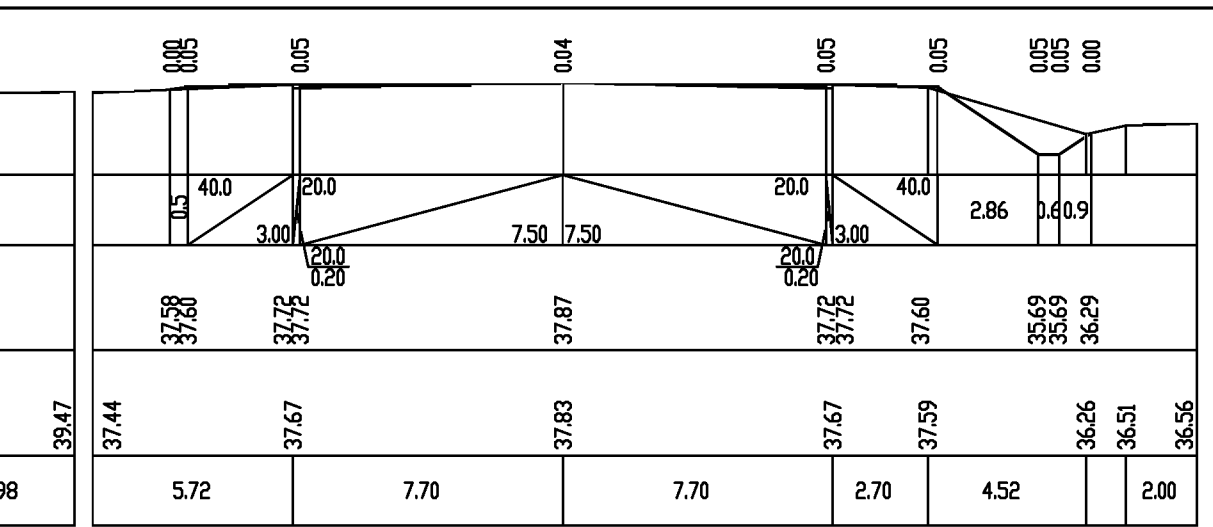
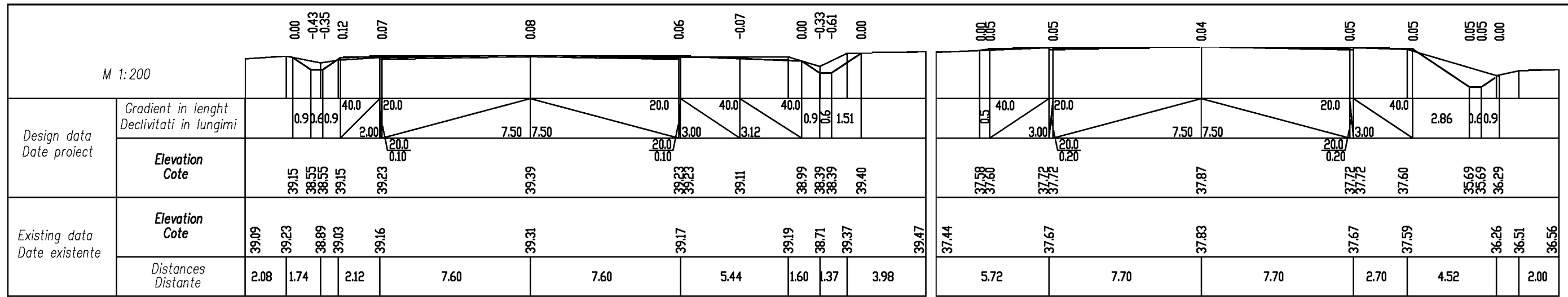
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	Rehabilitation of M 2 Road Chisinau-Sărăteni	<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
	<i>Drawing title</i> <b>Cross Sections of Earthwork Profile Transversale Terasamente PC 437+00 - PC 450+00</b>	<b>Designed</b>	<b>Plinchi</b>	<b>Scale</b>	<b>1:200</b>
		<b>Checked</b>	<b>Bogza</b>	<b>Drawing</b>	<b>PT-DA-13</b>
		<b>Control STAS</b>	<b>Belic</b>		



<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
	<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 452+00 - PC 466+00</b>	<b>Designed</b>	<b>Plinchi</b>	<b>Scale</b>	<b>1:200</b>
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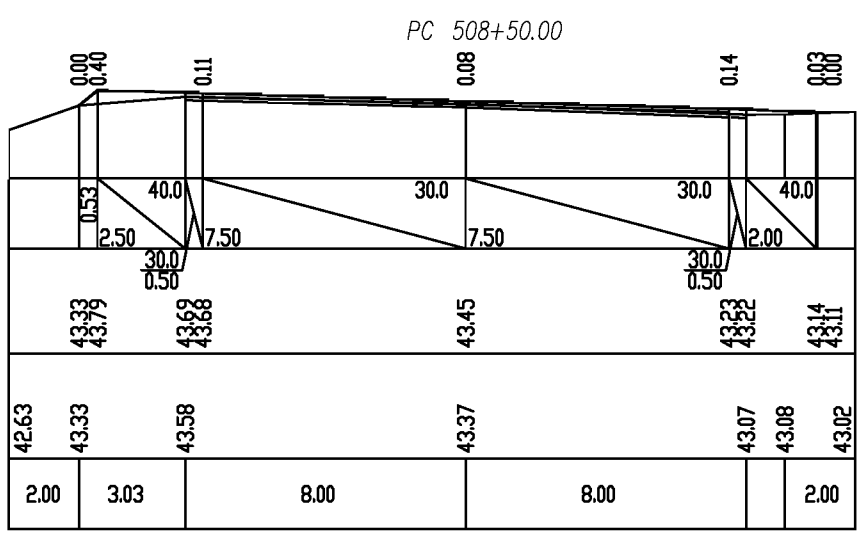
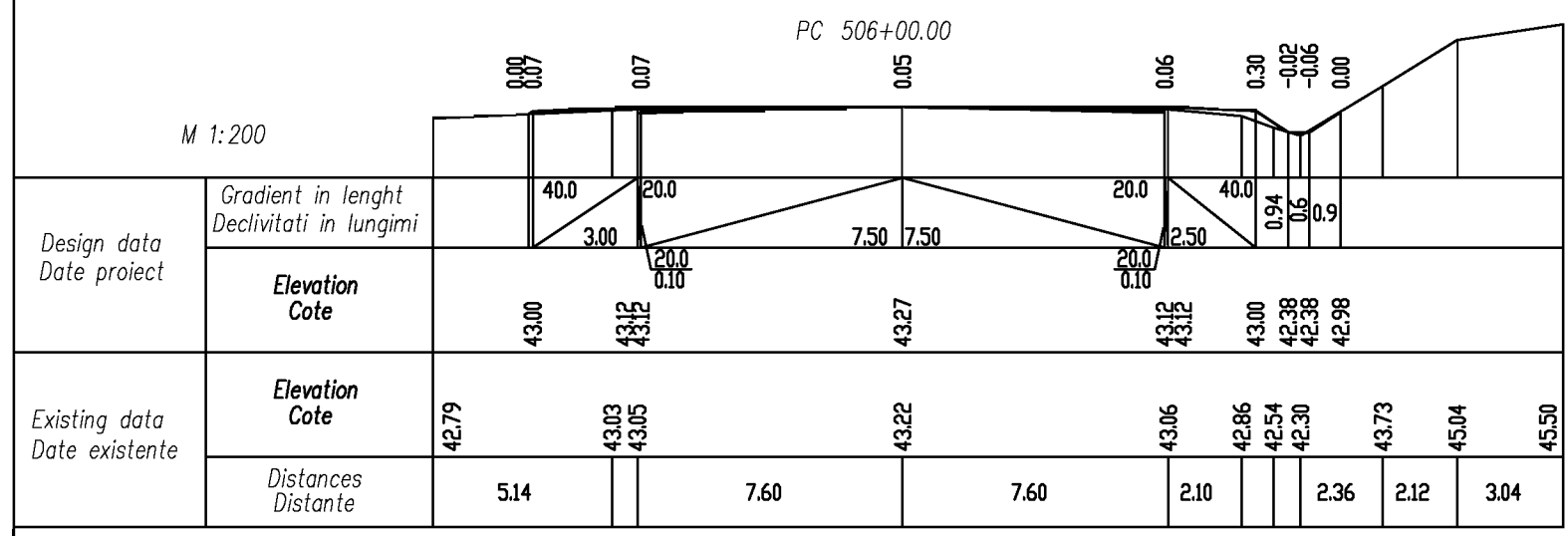
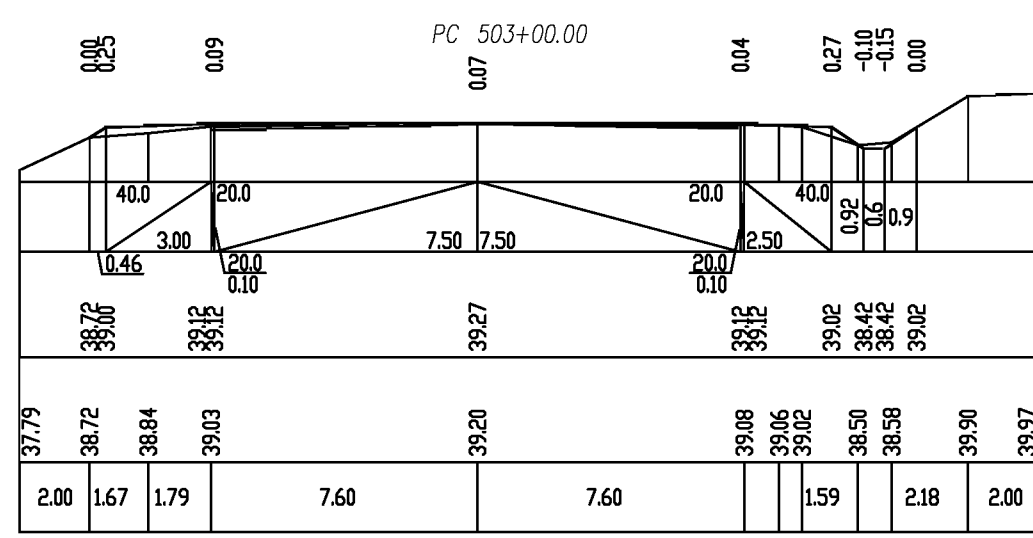
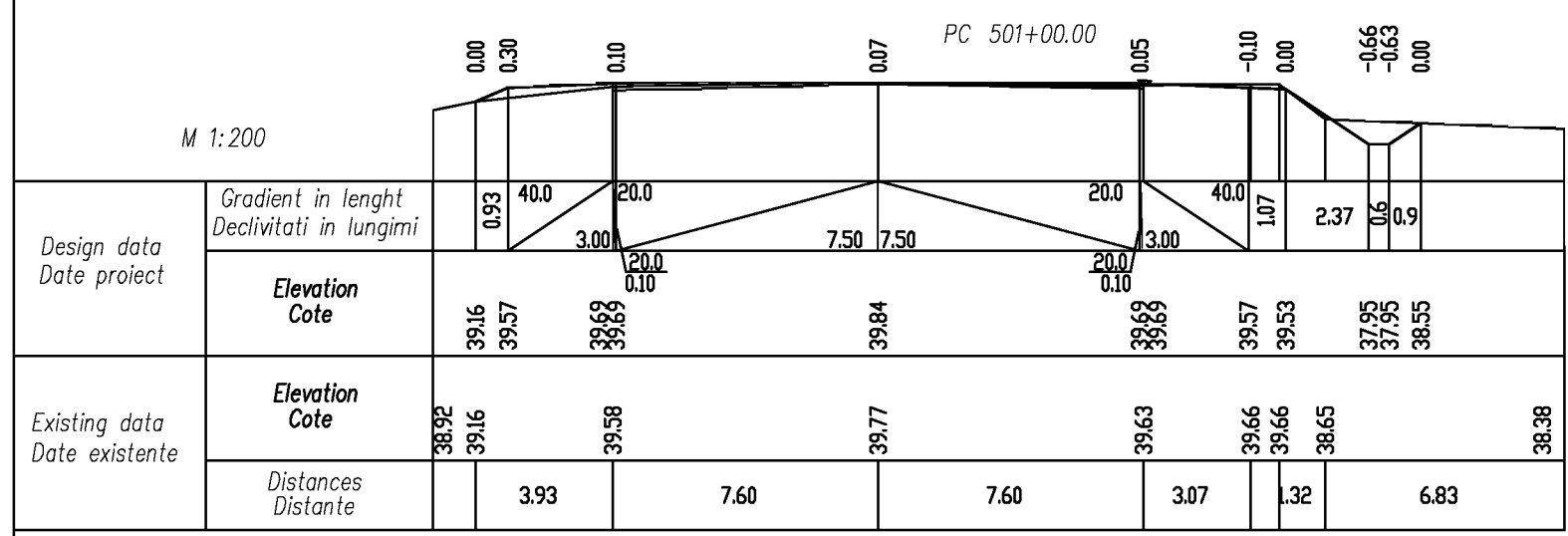
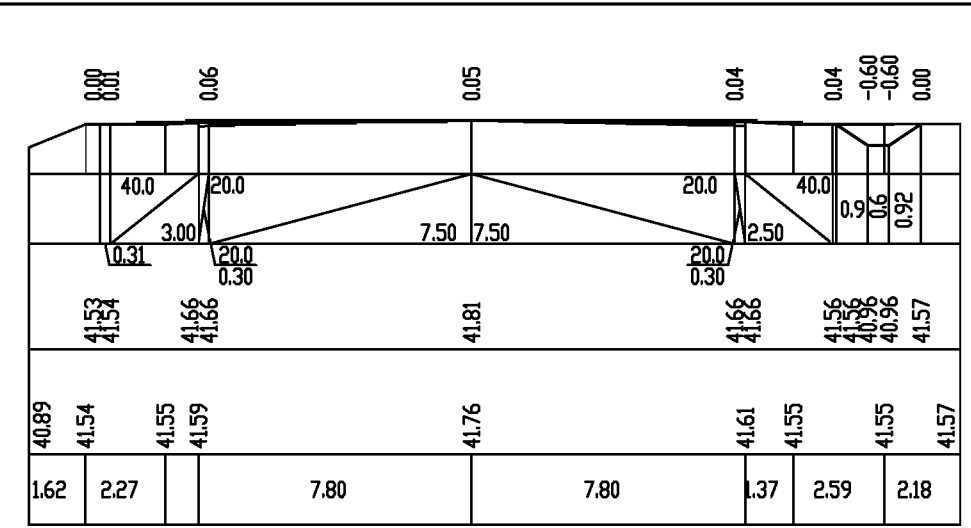
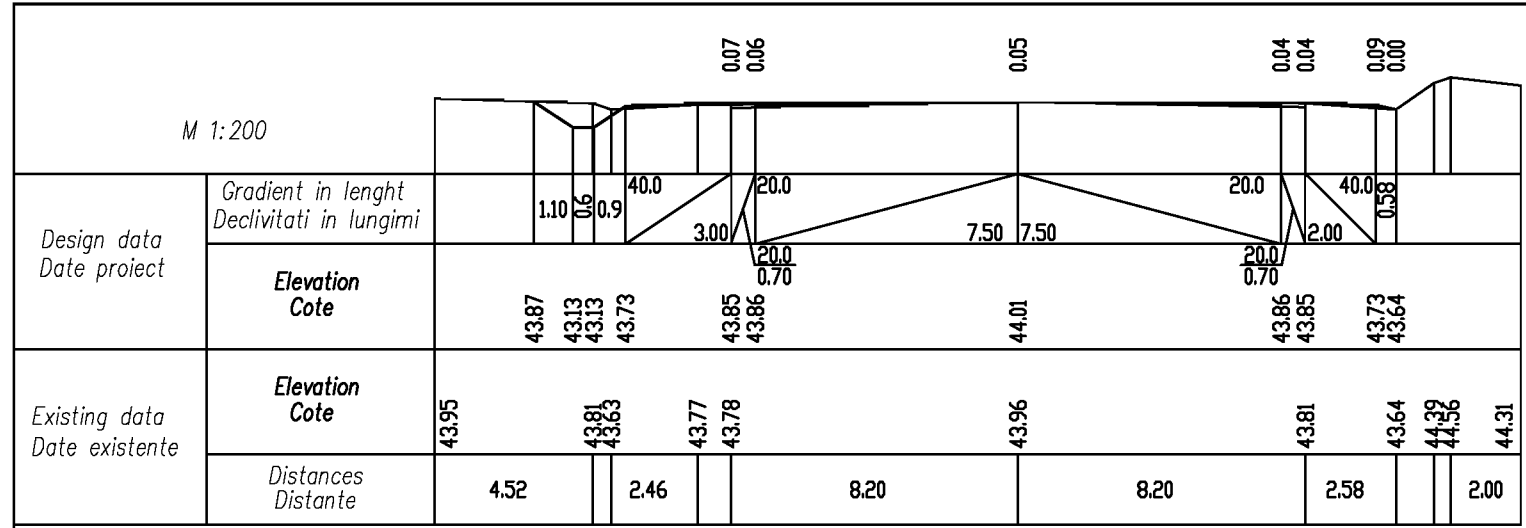


<b>EBRD</b>	<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry</b>			
			<b>State Road Administration</b>			
<b>Road Sector Programme Support Project</b>						
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
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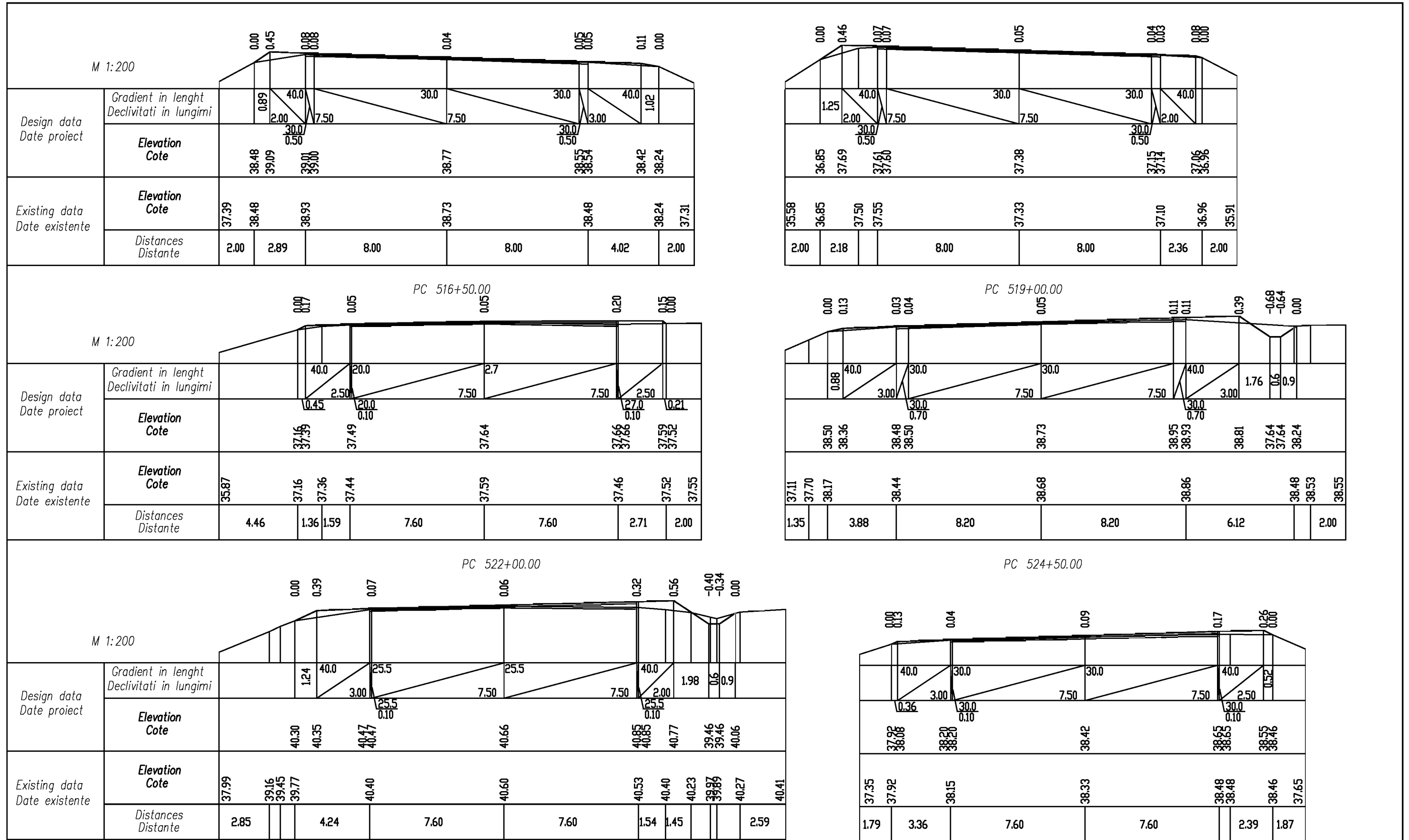


PC 494+50.00		PC 497+50.00	
<b>EBRD</b>		<b>Republic of Moldova</b>	
<b>Roughton International</b>		<b>Ministry of Transport and Road Industry</b>	
<b>TRL</b>		<b>State Road Administration</b>	
<b>Blizzard</b>		<b>Road Sector Programme Support Project</b>	
<b>Universcons</b>		<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	
<b>Drawing title</b>		<b>ISP</b>	
<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 483+00 - PC 497+50</b>		<b>Bogza</b>	
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<b>Date</b>		<b>12.2007</b>	
<b>Scale</b>		<b>1:200</b>	
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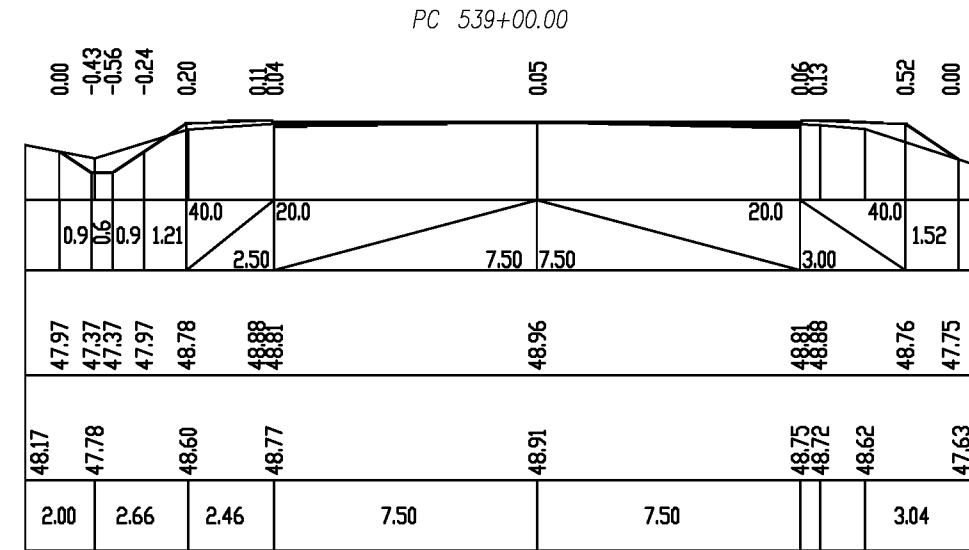
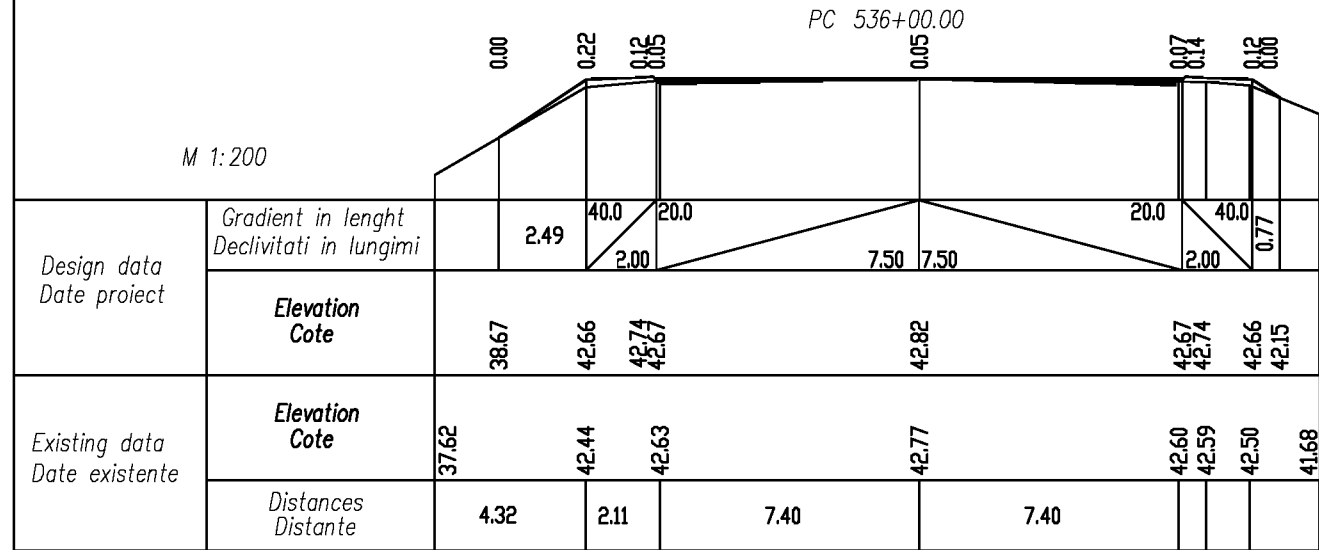
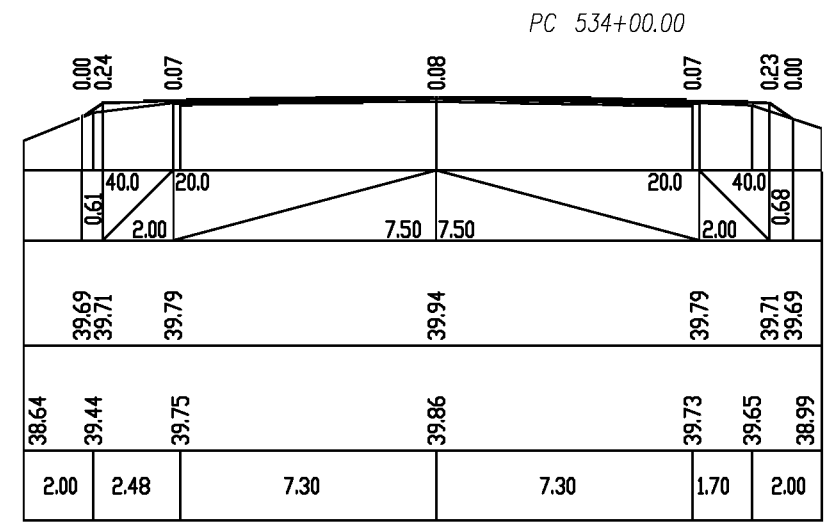
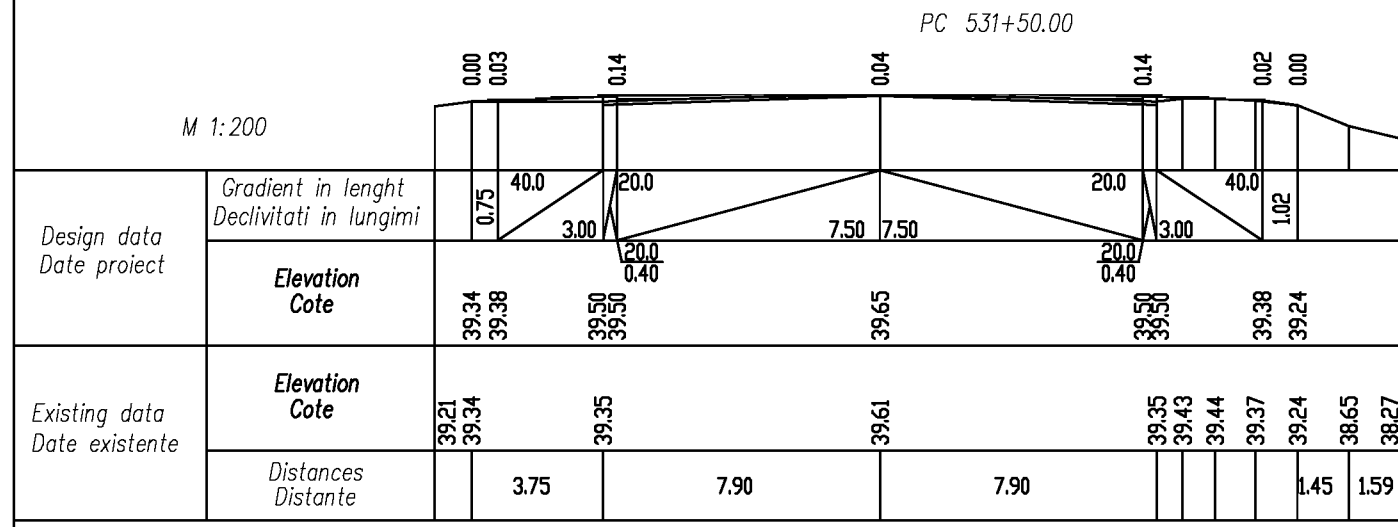
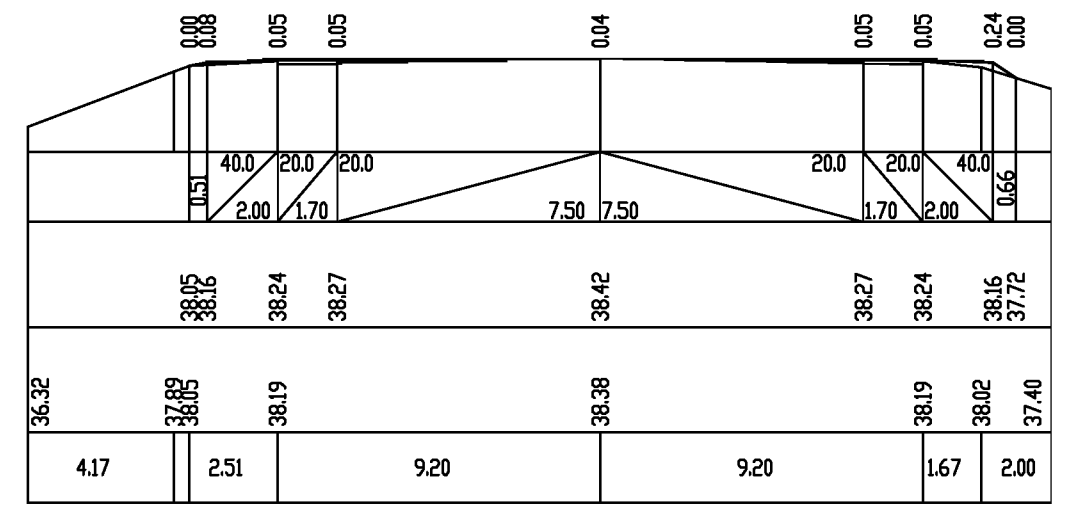
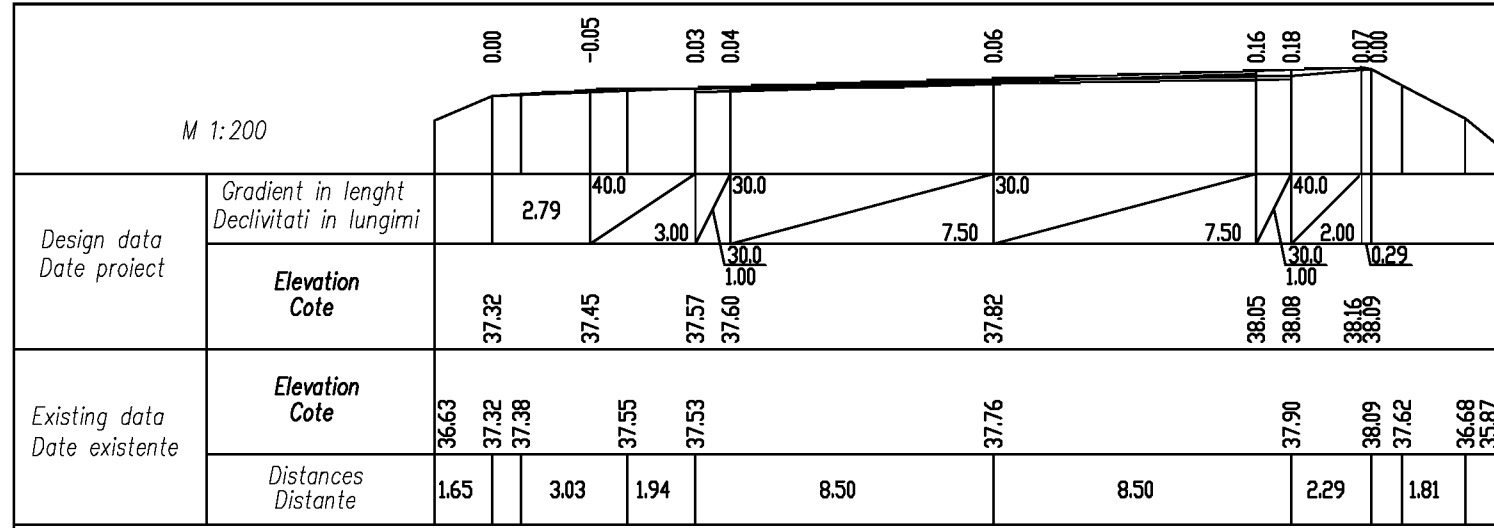




<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
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<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007	
	<i>Drawing title</i> <b>Cross Sections of Earthwork Profile Transversale Terasamente PC 501+00 - PC 513+50</b>		Designed	Plinachi	Scale	1:200	
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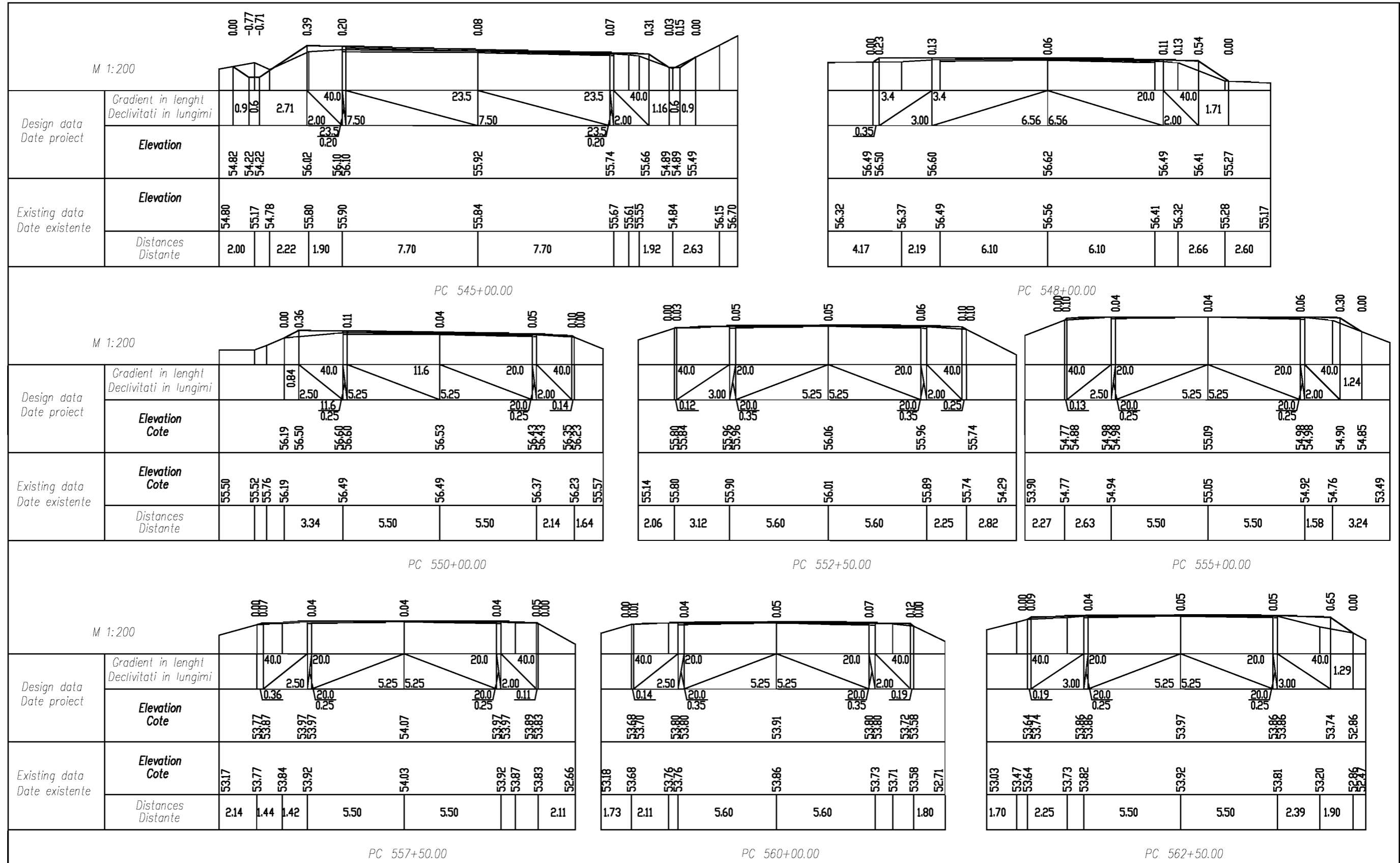
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<b>Roughton International</b>		<b>Road Sector Programme Support Project</b>		<b>State Road Administration</b>	
<b>TRL</b>		<b>Rehabilitation of M 2 Road</b>		<b>ISP</b>	<b>Bogza</b>
<b>Blizzard</b>		<b>Chisinau-Sărăteni</b>		<b>Designed</b>	<b>Plinachi</b>
<b>Universcons</b>		<b>Cross Sections of Earthwork</b>		<b>Checked</b>	<b>Bogza</b>
		<b>Profile Transversale Terasamente</b>		<b>Control STAS</b>	<b>Belic</b>
		<b>PC 516+50 - PC 529+50</b>		<b>Date</b>	<b>12.2007</b>
				<b>Scale</b>	<b>1:200</b>
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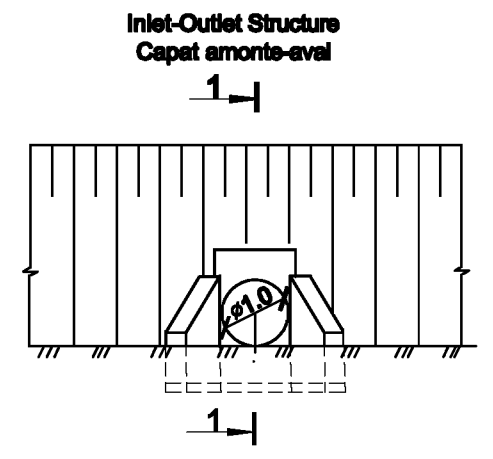
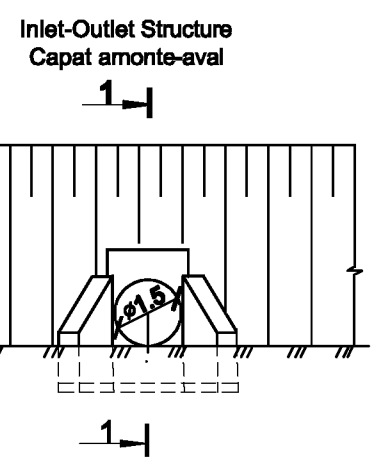
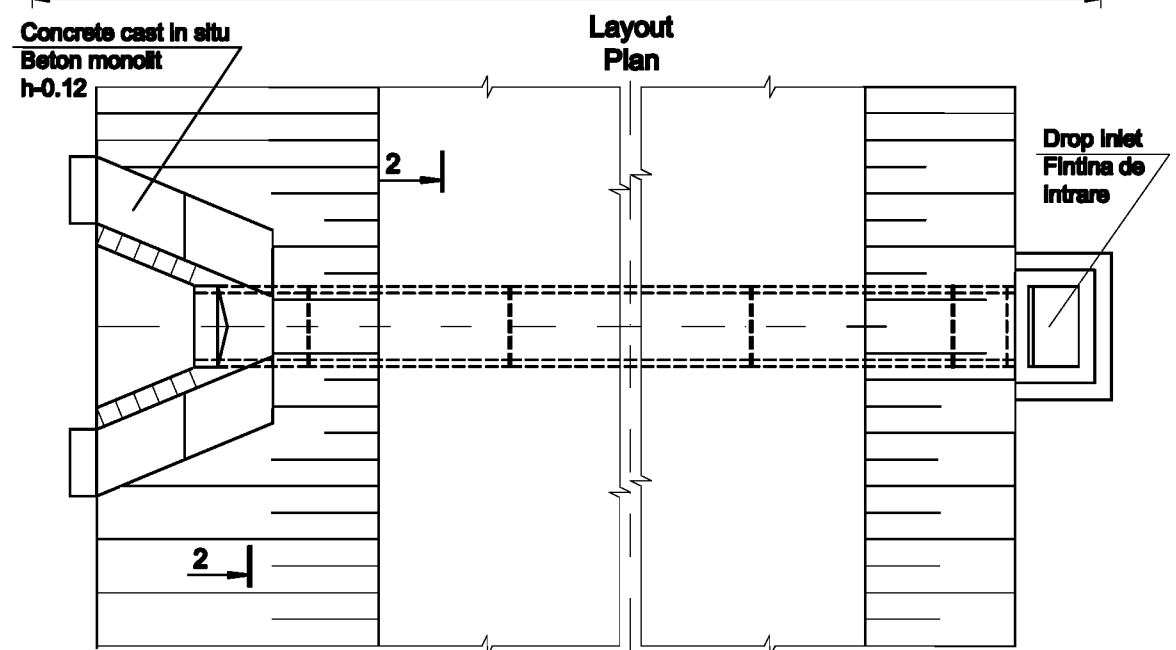
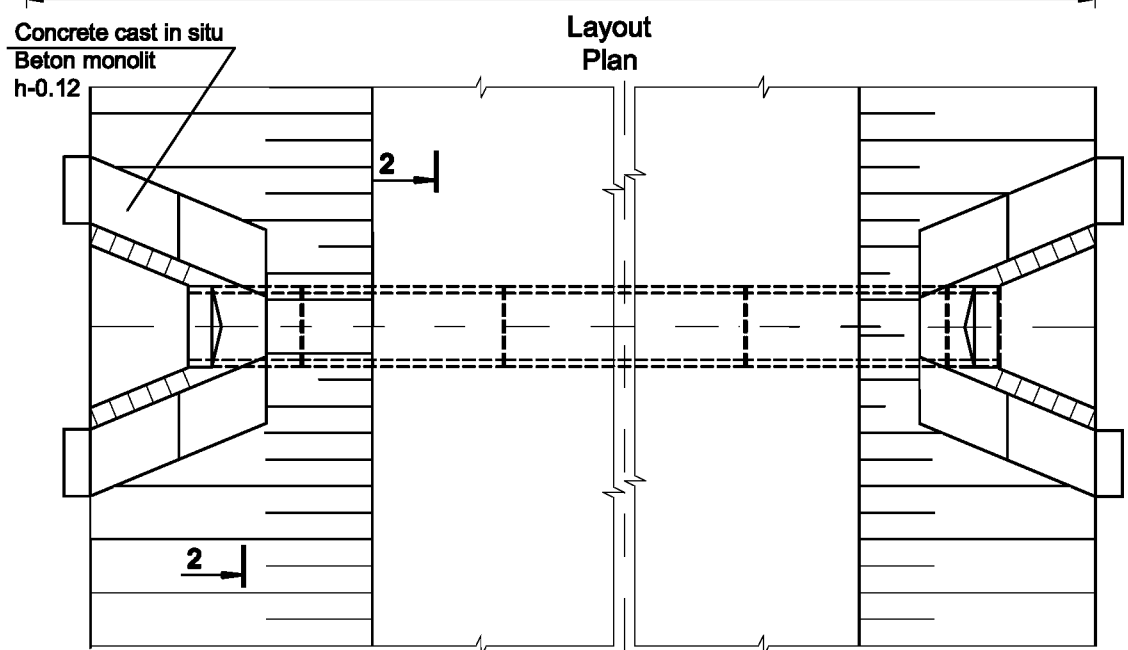
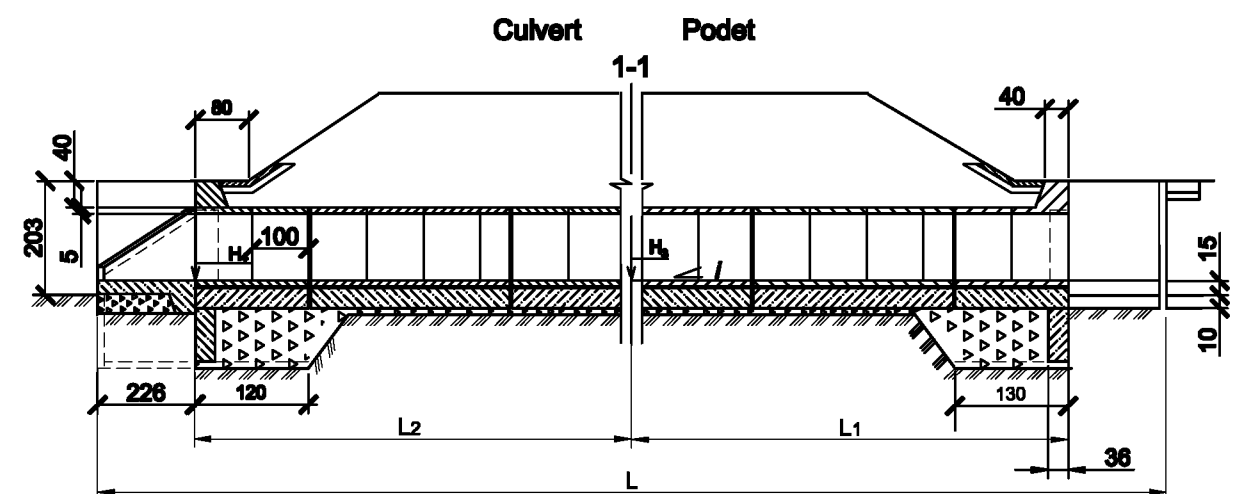
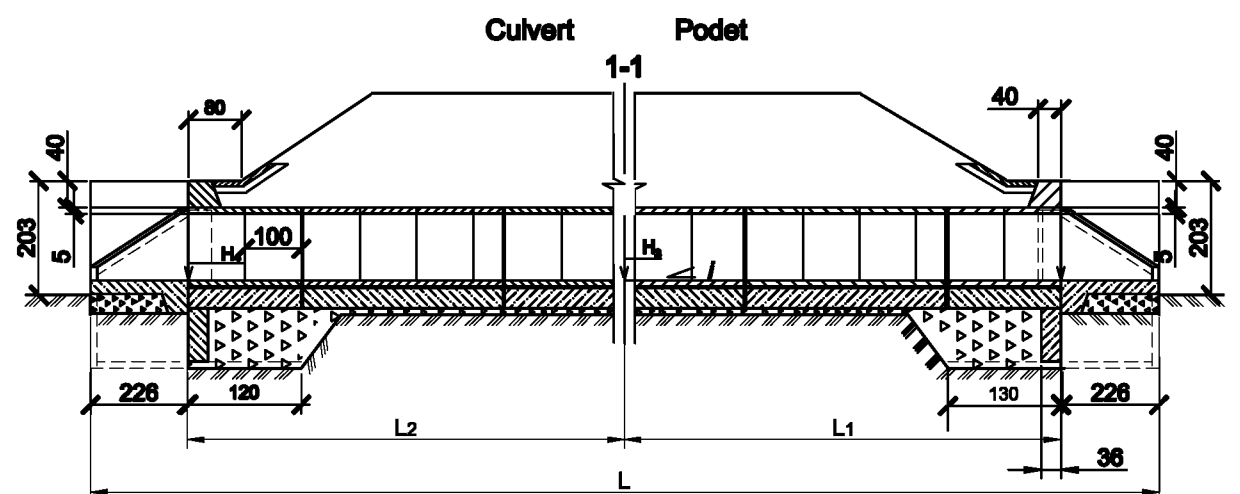
PC 541+00.00

PC 542+50.00

<b>EBRD</b>		<b>Republic of Moldova</b>		<b>Ministry of Transport and Road Industry State Road Administration</b>			
		<b>Road Sector Programme</b>		<b>Support Project</b>			
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>	
	<b>Cross Sections of Earthwork Profile Transversale Terasamente PC 531+50 - PC 542+50</b>		<b>Designed</b>	<b>Plinchi</b>	<b>Scale</b>	<b>1:200</b>	
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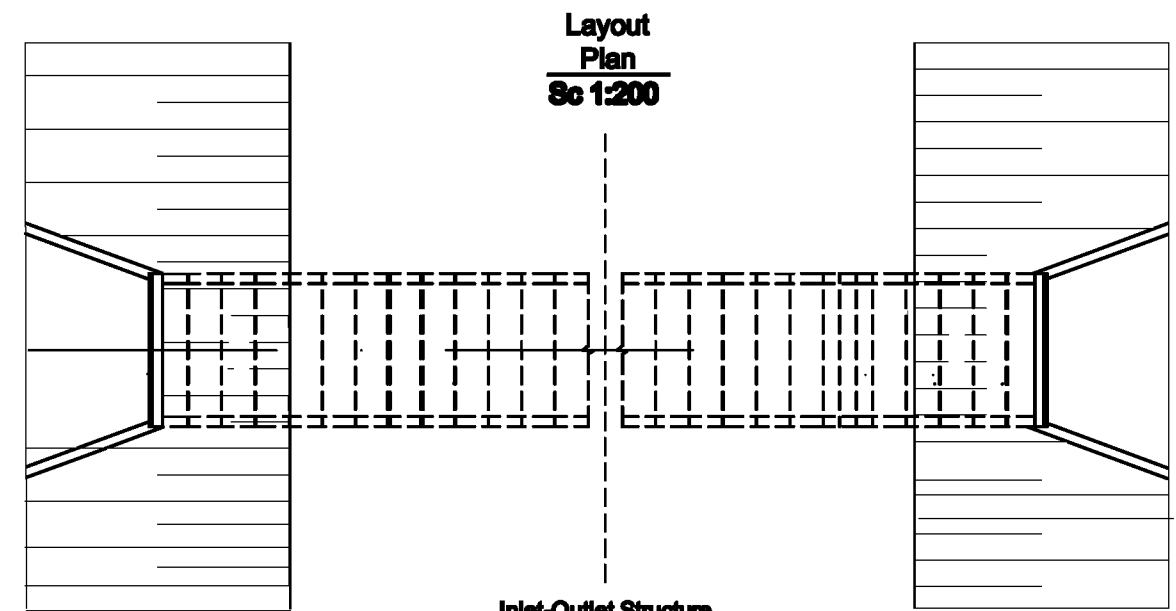
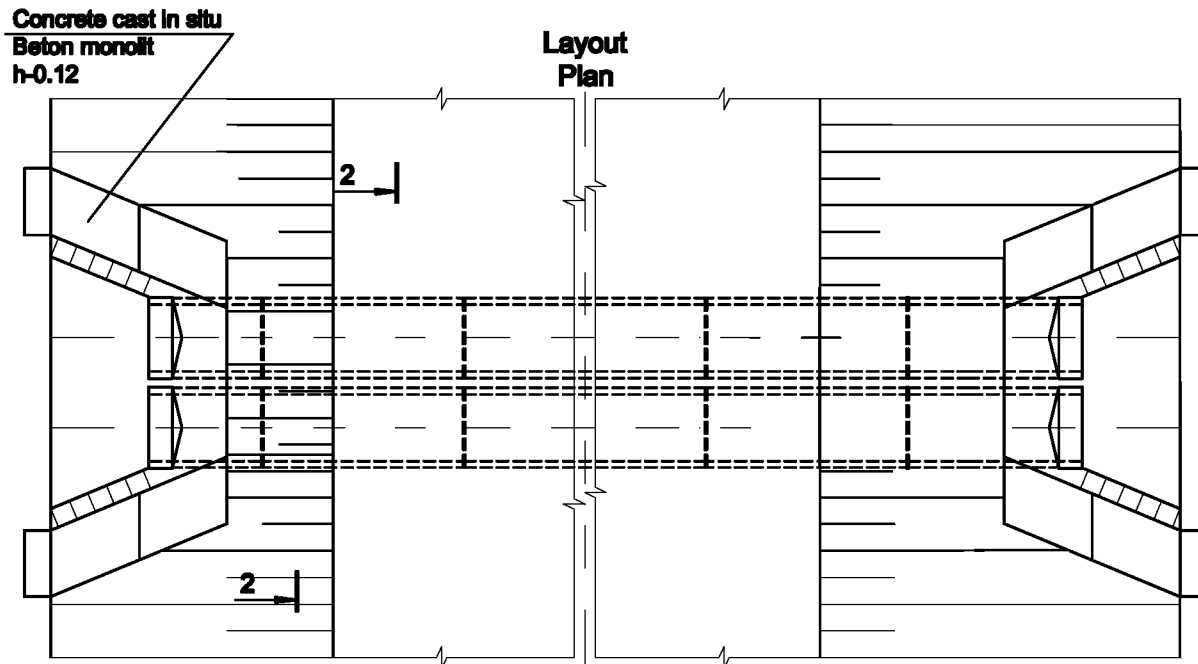
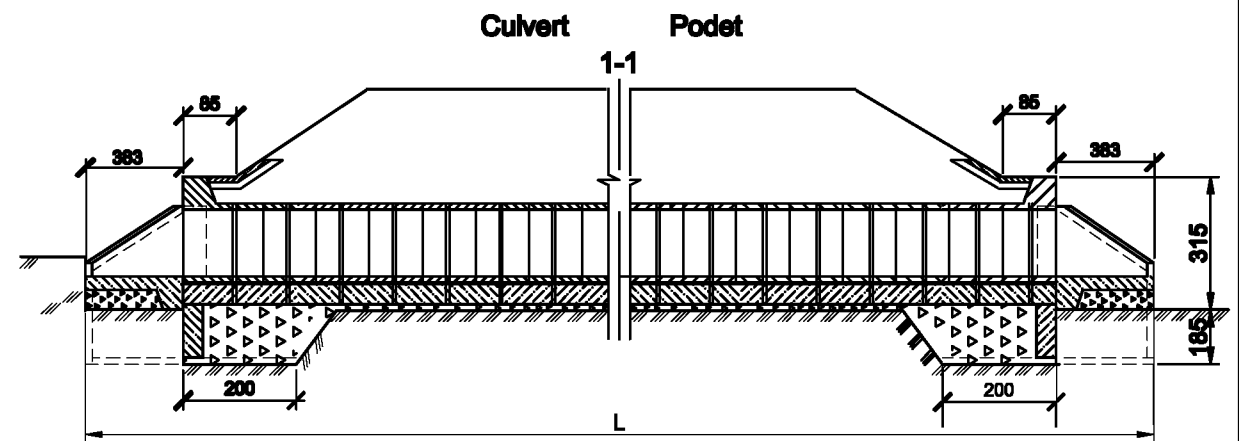
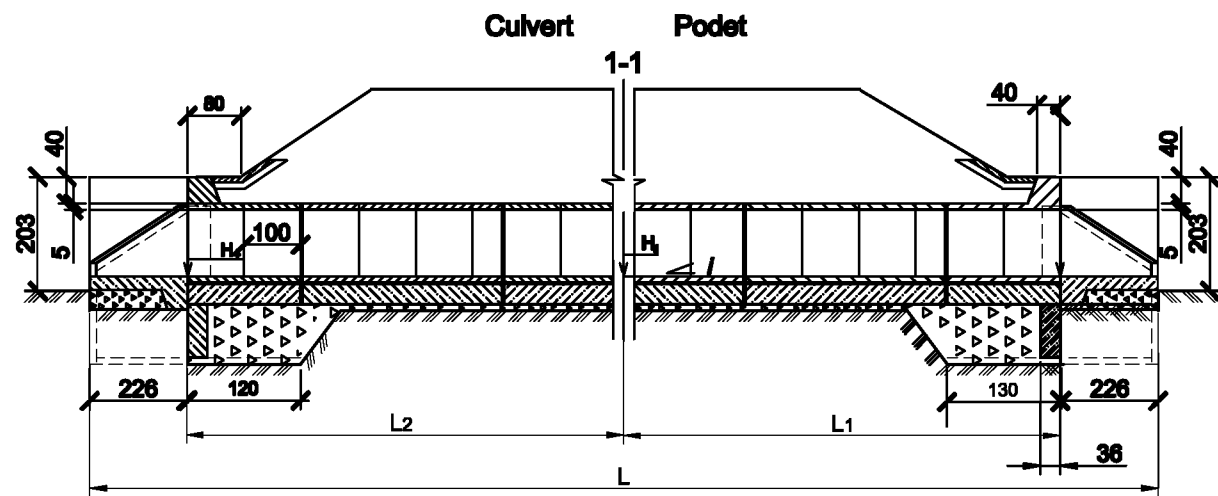
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	<b>ISP</b>	<b>Bogza</b>	<b>Date</b>	<b>12.2007</b>
	<i>Drawing title</i> <b>Cross Sections of Earthwork Profile Transversale Terasamente PC 545+00 - PC 562+50</b>	<b>Designed</b>	<b>Plinachi</b>	<b>Scale</b>	<b>1:200</b>
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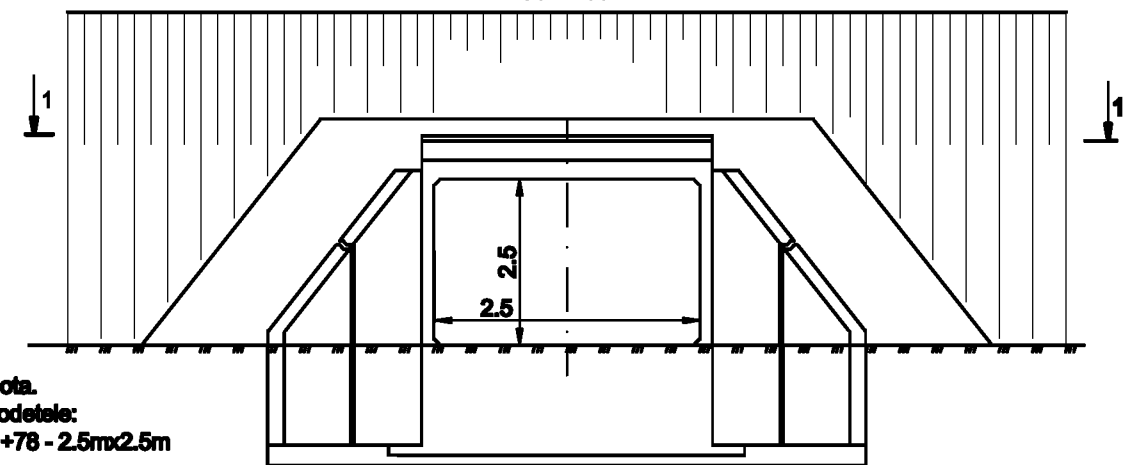
Note. Nota.  
Culverts. Podetele:  
PC 262+46; PC 267+51 - Ø1.5m

Note. Nota.  
Culverts. Podetele:  
PC 335+53; PC 338+90;  
PC 411+74; - Ø1.0m.  
PC 338+90 - Ø1.5m.  
PC 317+63; PC 381+55; PC 408+77  
- Ø1.25m.  
PC 422+87 - Ø0.5m

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni Drawing title Existing typical culverts Podete existente tip	ISP	Bogza	Date	12.2007
		Designed	Gisca	Scale	
		Checked	Bogza	Drawing	PET-DA-1
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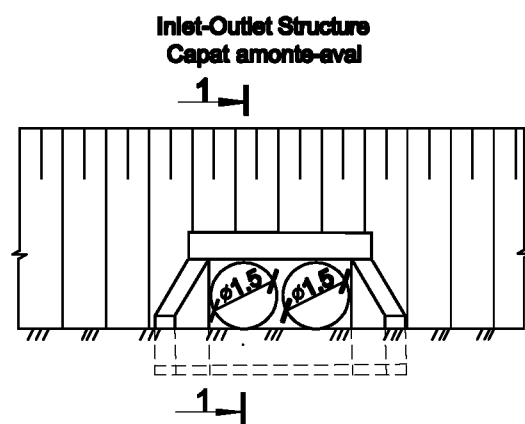


Inlet-Outlet Structure  
Capat amonte-aval  
Sc 1:100



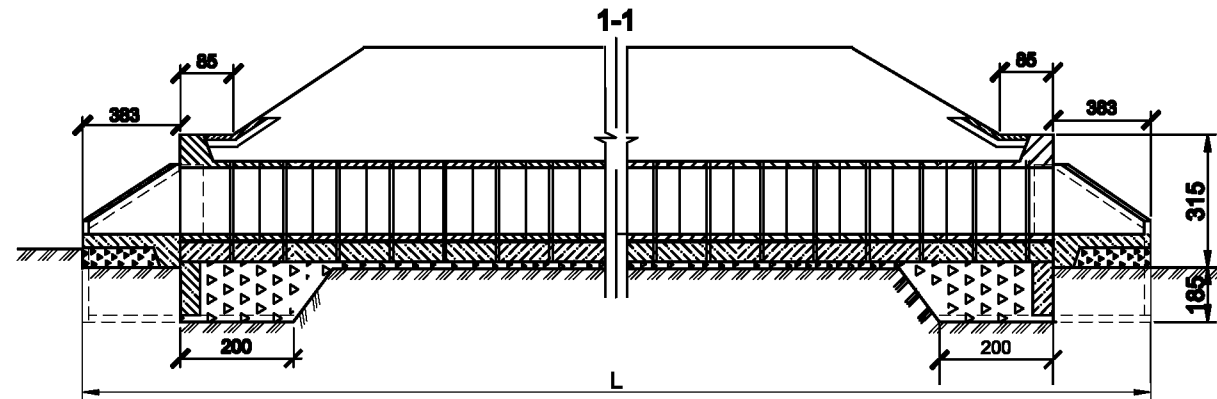
Nota. Nota.  
Culverts. Podetele:  
PC 400+53; PC 431+78 - 2.5m x 2.5m

Nota. Nota.  
Culverts. Podetele:  
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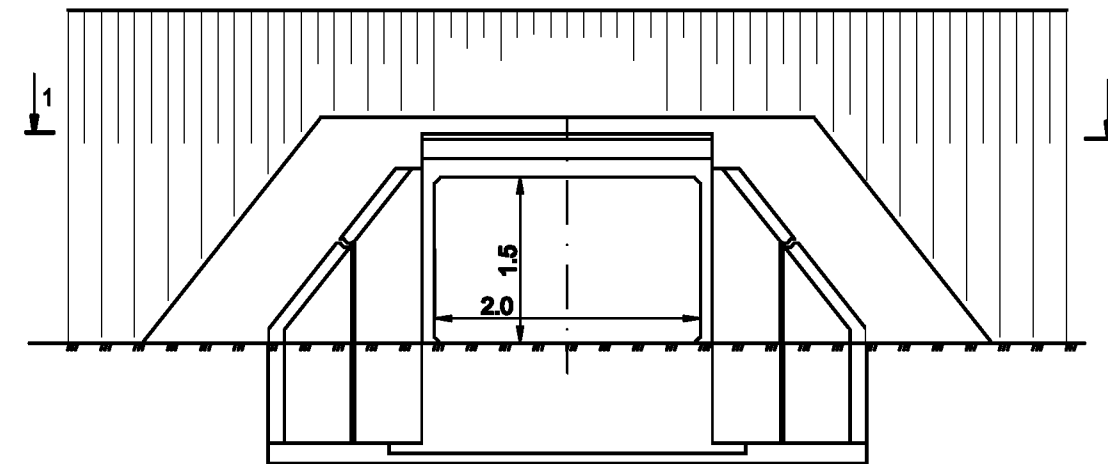


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
Drawing title Existing typical culverts Podete existente tip		Designed	Gisca	Scale	
		Checked	Bogza	Drawing	
		Control STAS	Belic		PET-DA-2

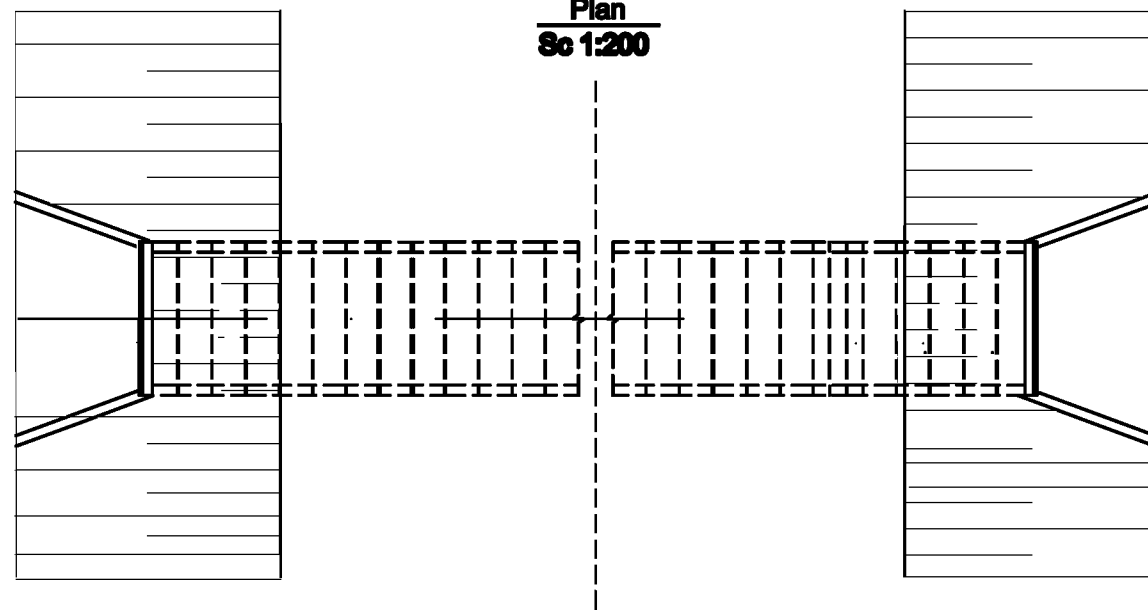
**Culvert Podet PC 435+82 - 2.5mx2.5m**



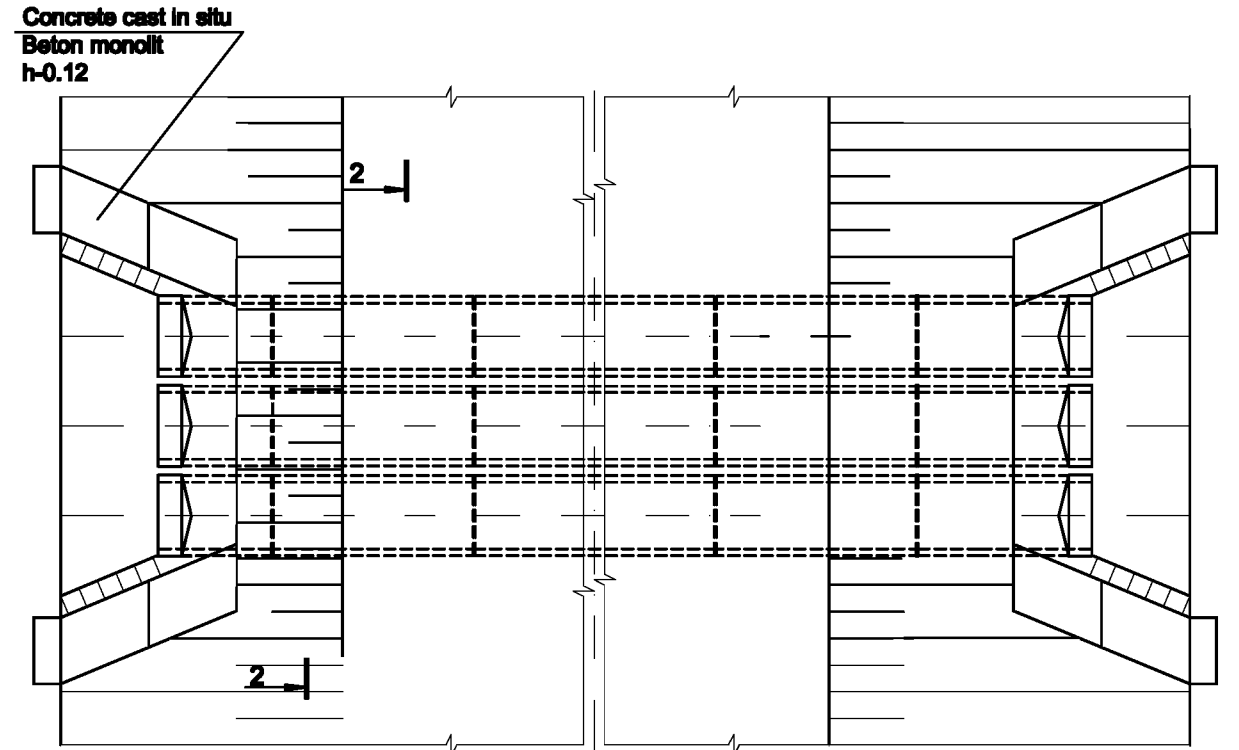
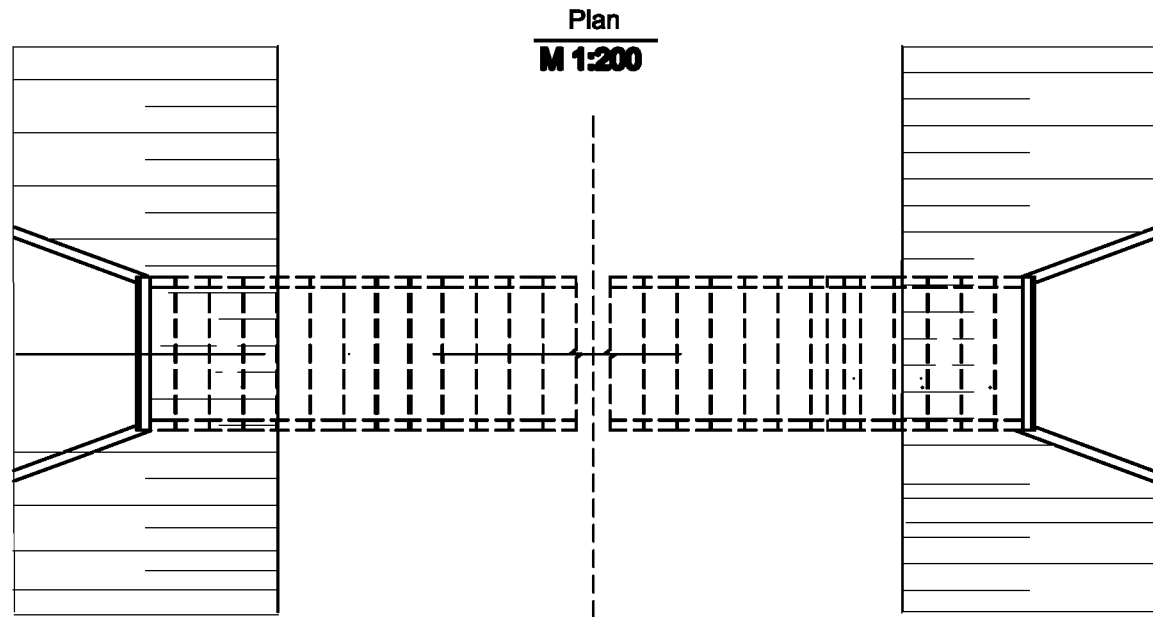
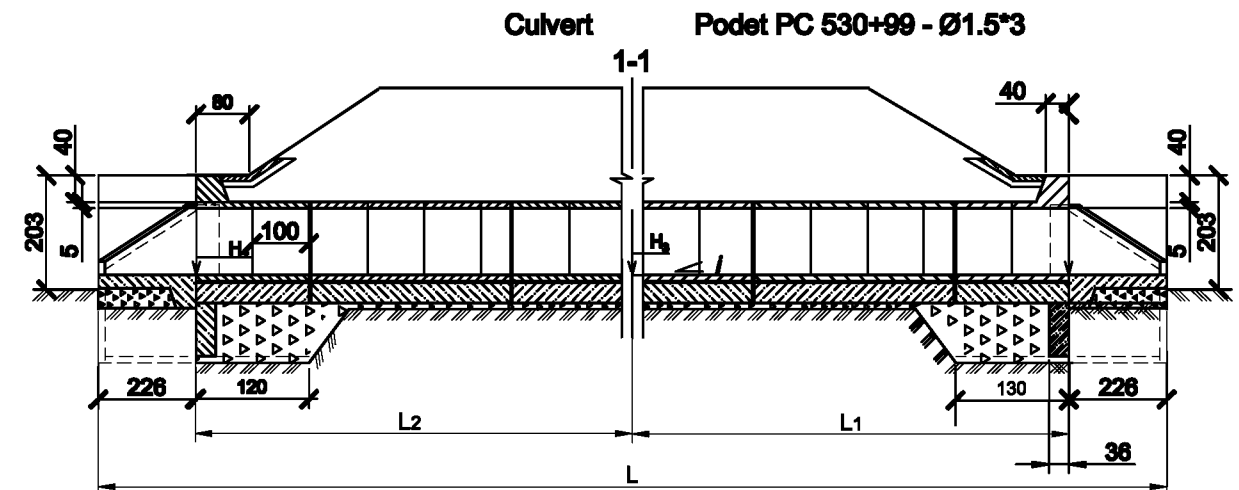
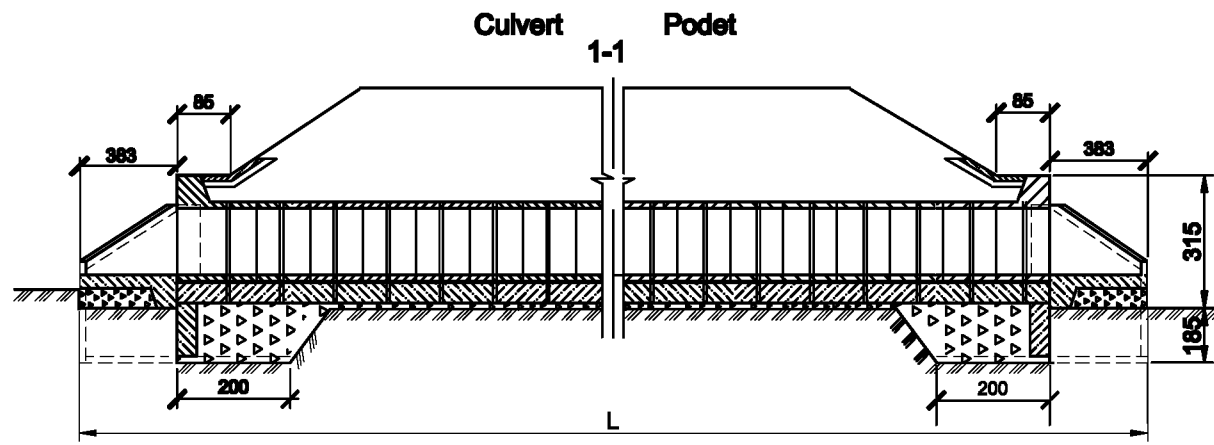
**Inlet-Outlet Structure  
Capat amonte-aval  
Sc 1:100**



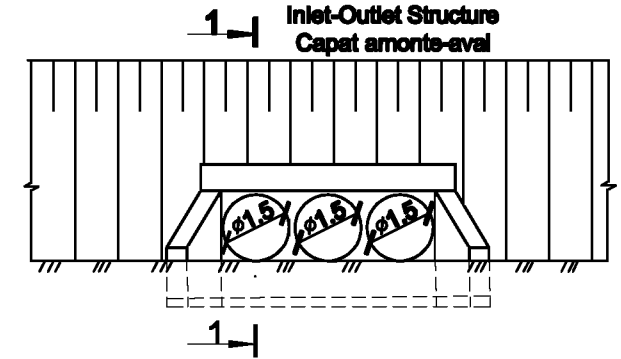
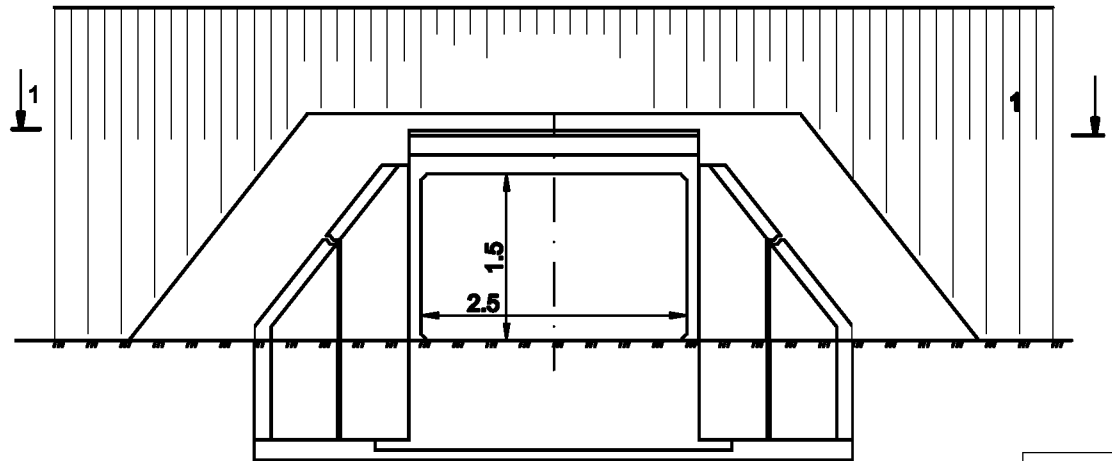
**Layout  
Plan  
Sc 1:200**



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title Existing typical culverts Podet existent tip	Designed	Gisca	Scale	
		Checked	Bogza	Drawing	
		Control STAS	Belic		PET-DA-3



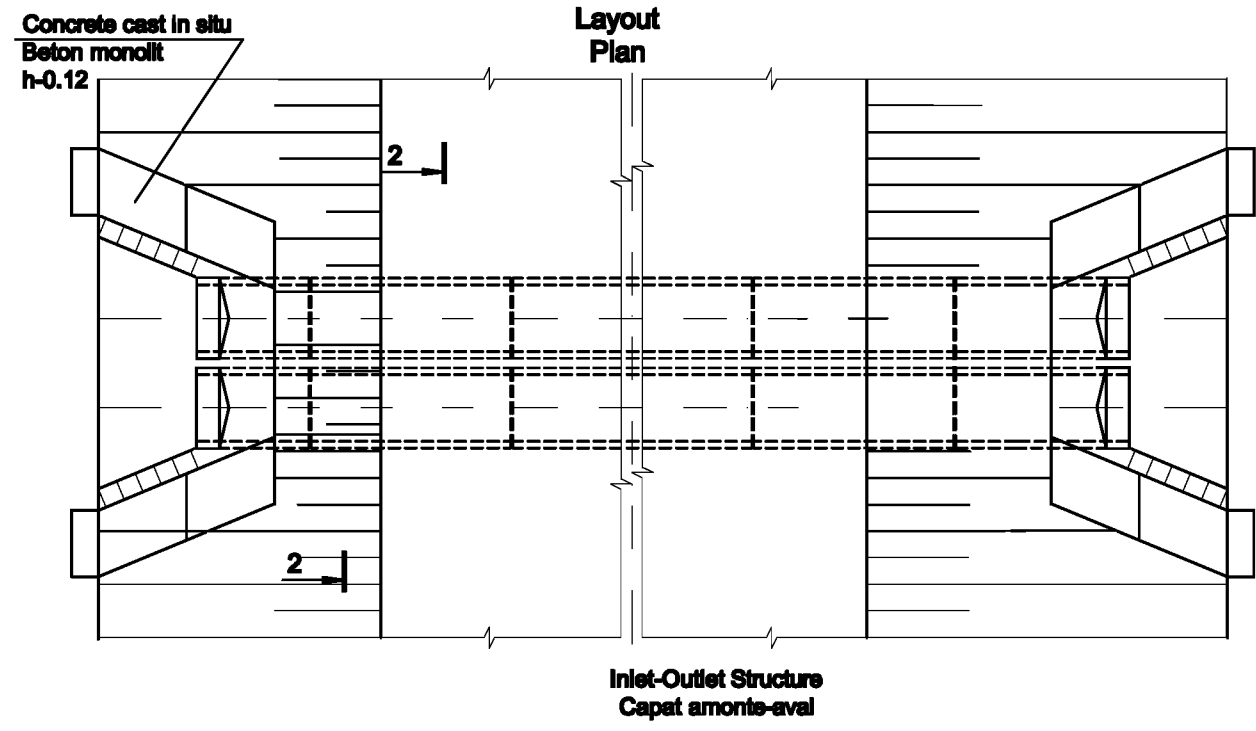
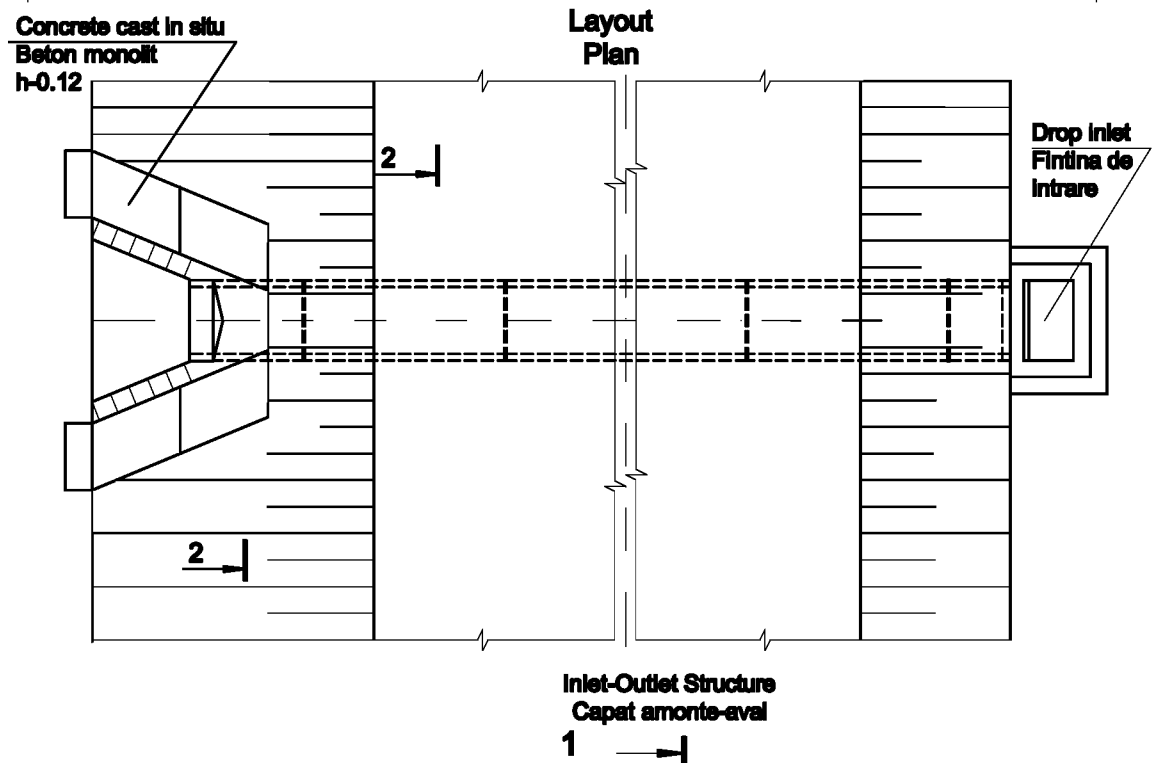
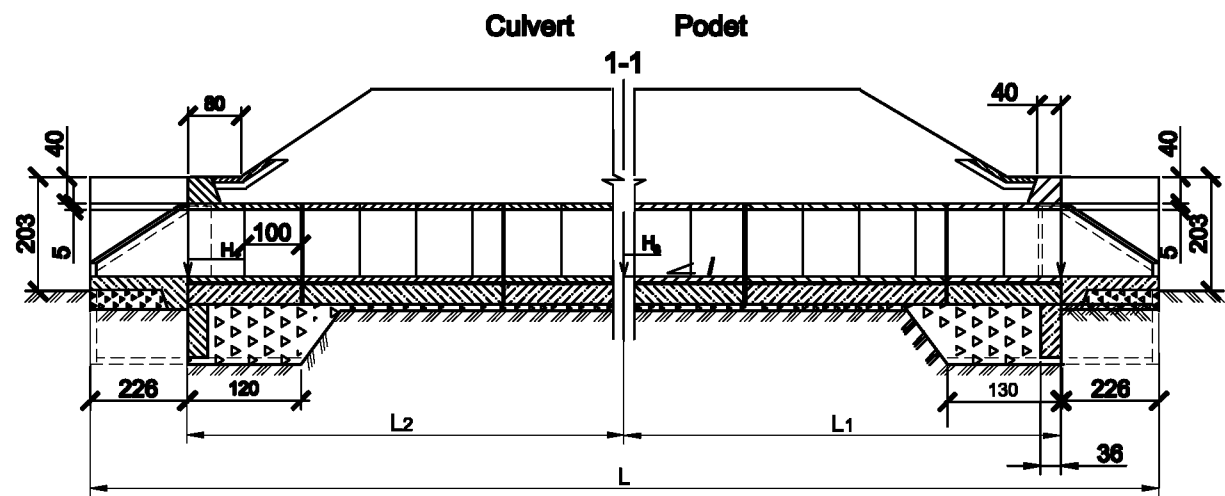
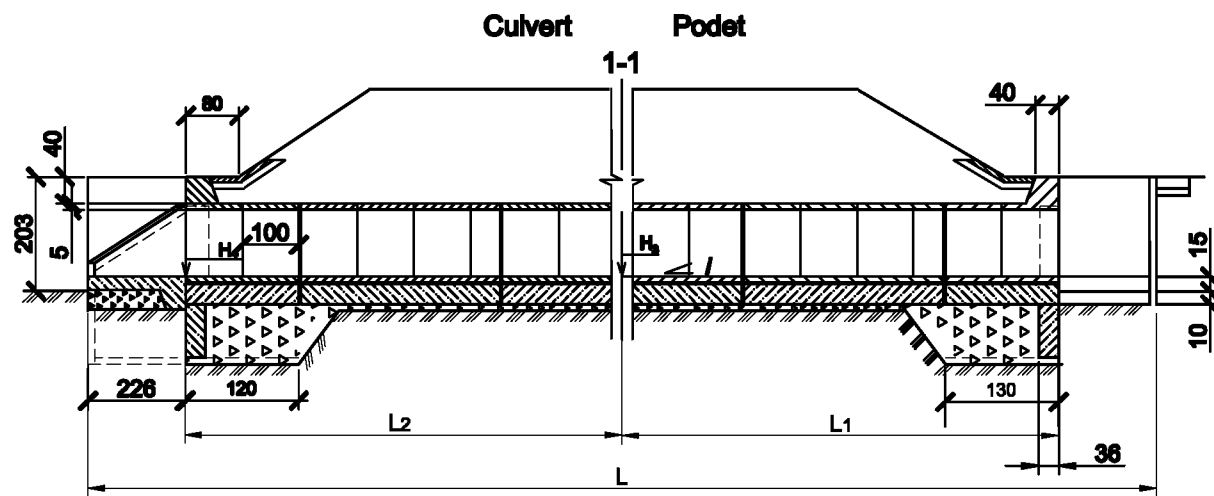
Fasada Capat amonte-aval M 1:100



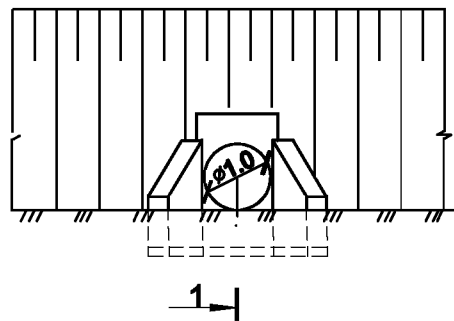
Nota. Nota.  
Culverts. Podetele:  
PC 442+38; PC 444+14; PC 451+56;  
PC 459+84 - 2.5\*1.5 m.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP Designed	Bogza Plinschi	Date	12.2007
Drawing title Existing typical culverts Podete existente tip		Checked Control STAS	Bogza Belic	Scale	
				Drawing	PET-DA-4

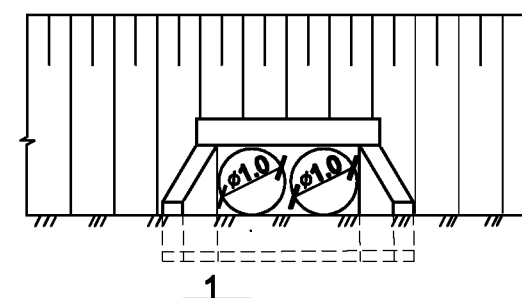




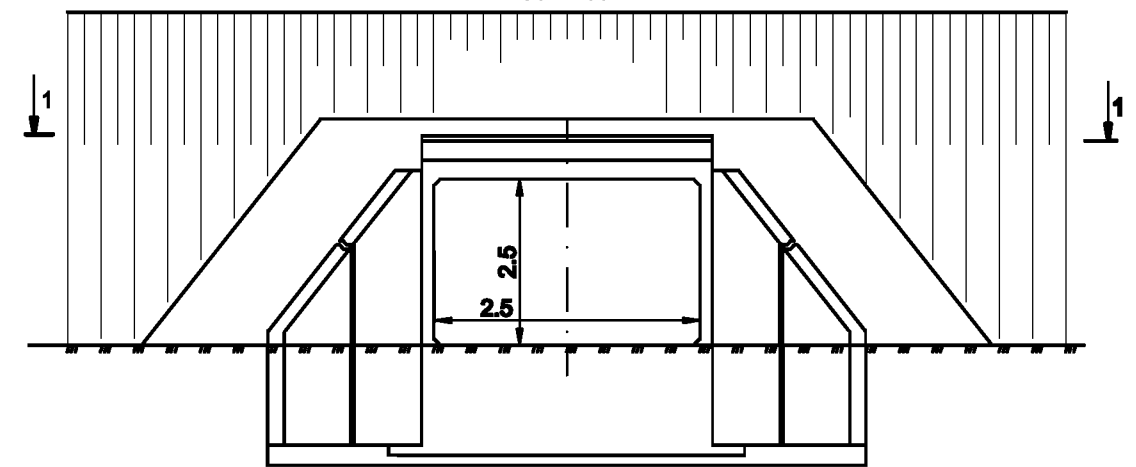
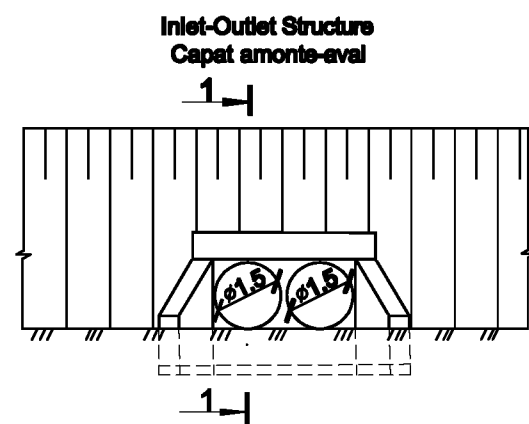
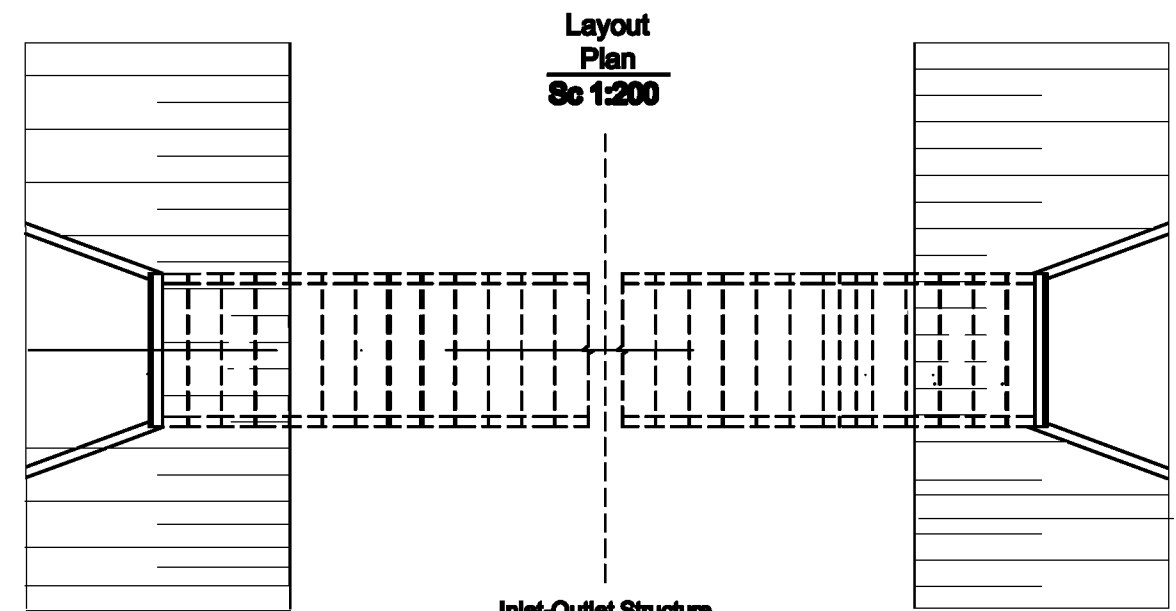
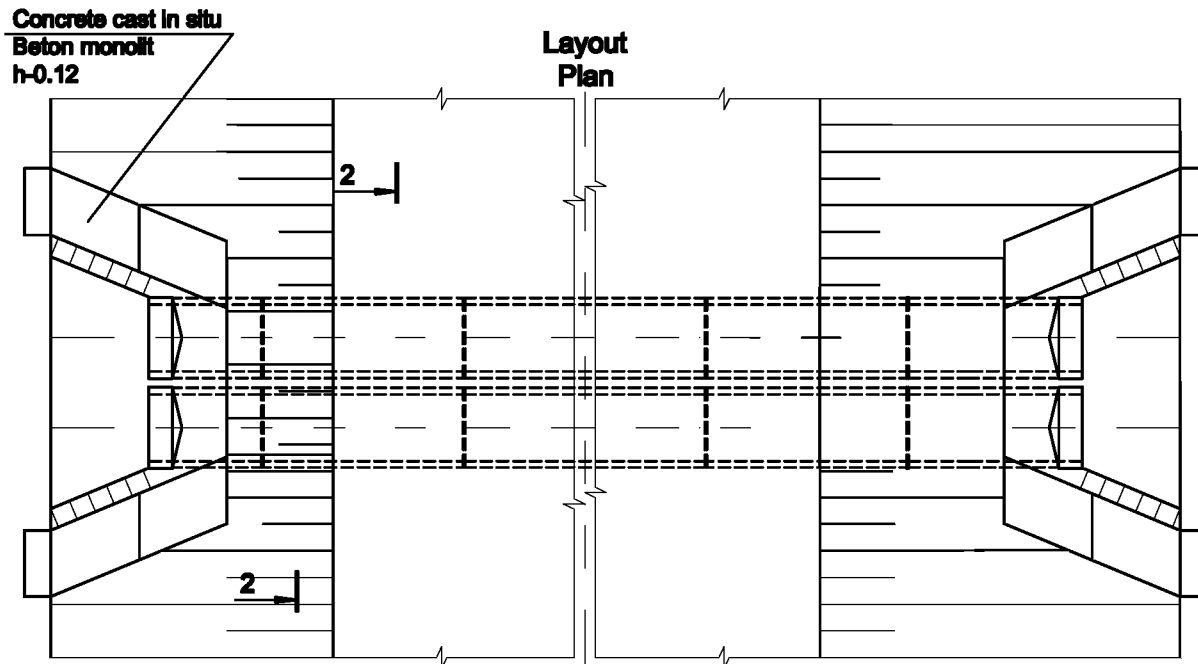
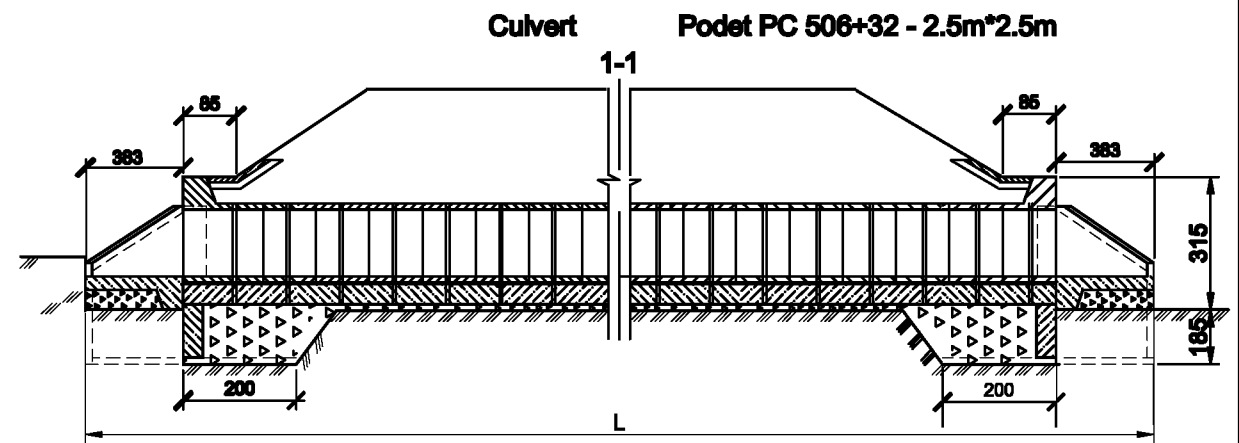
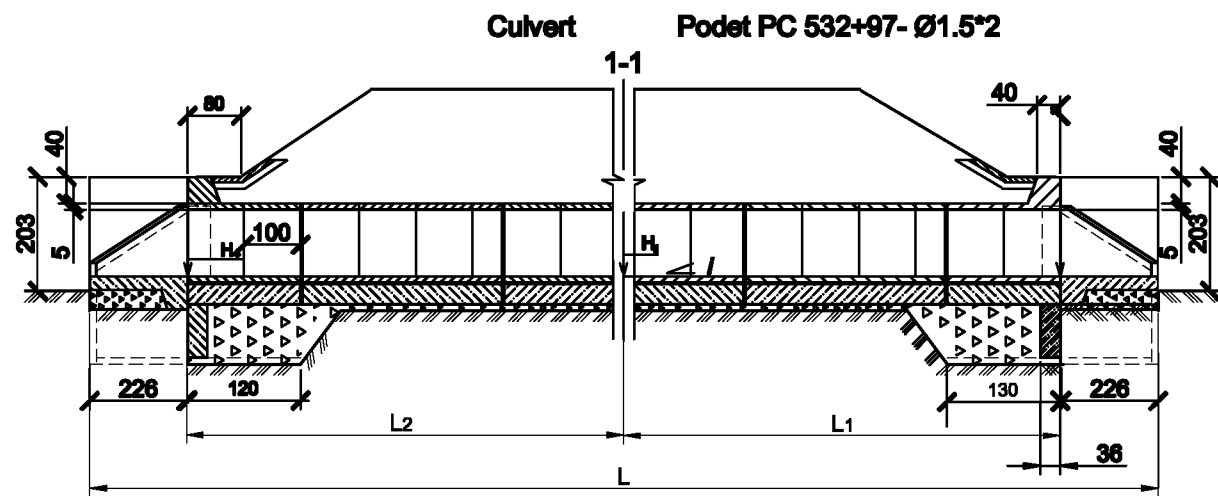
Note. Nota.  
Culverts. Podetele:  
PC 497+39;PC 519+08;PC 521+25 -  
Ø1.0m.



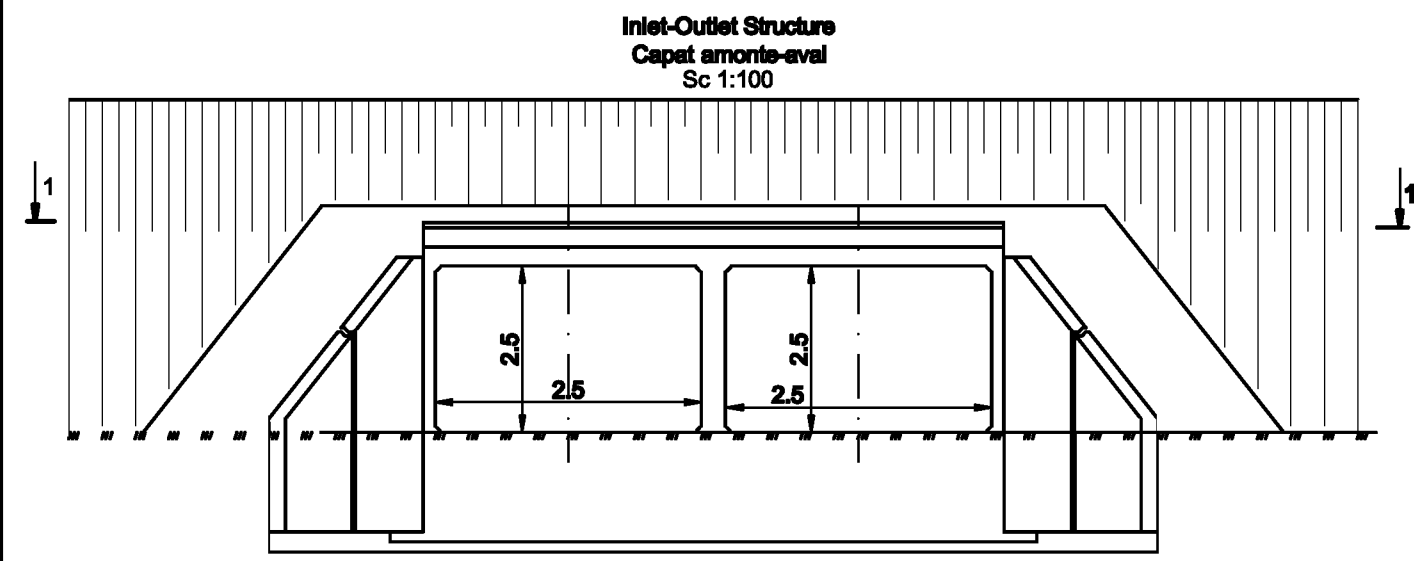
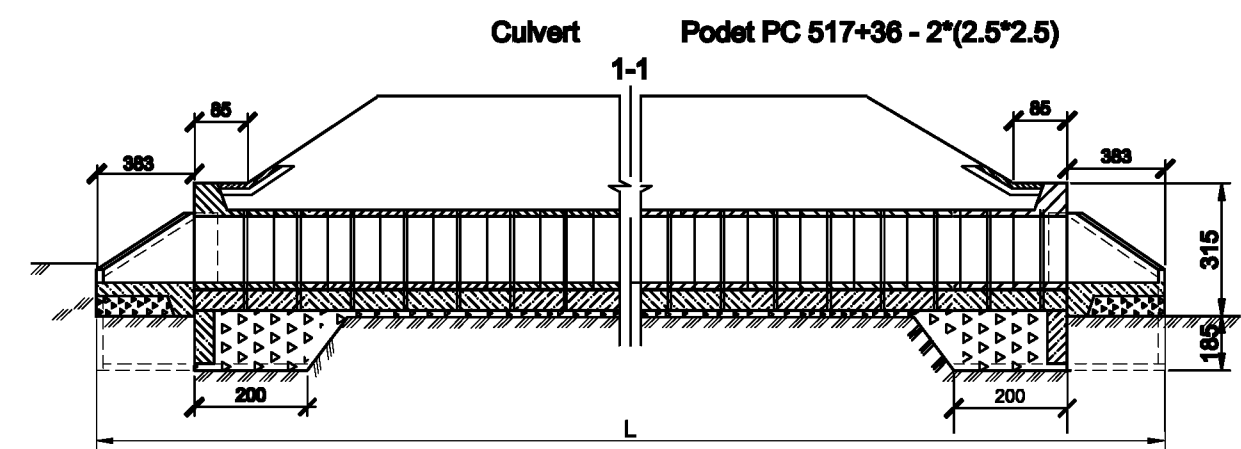
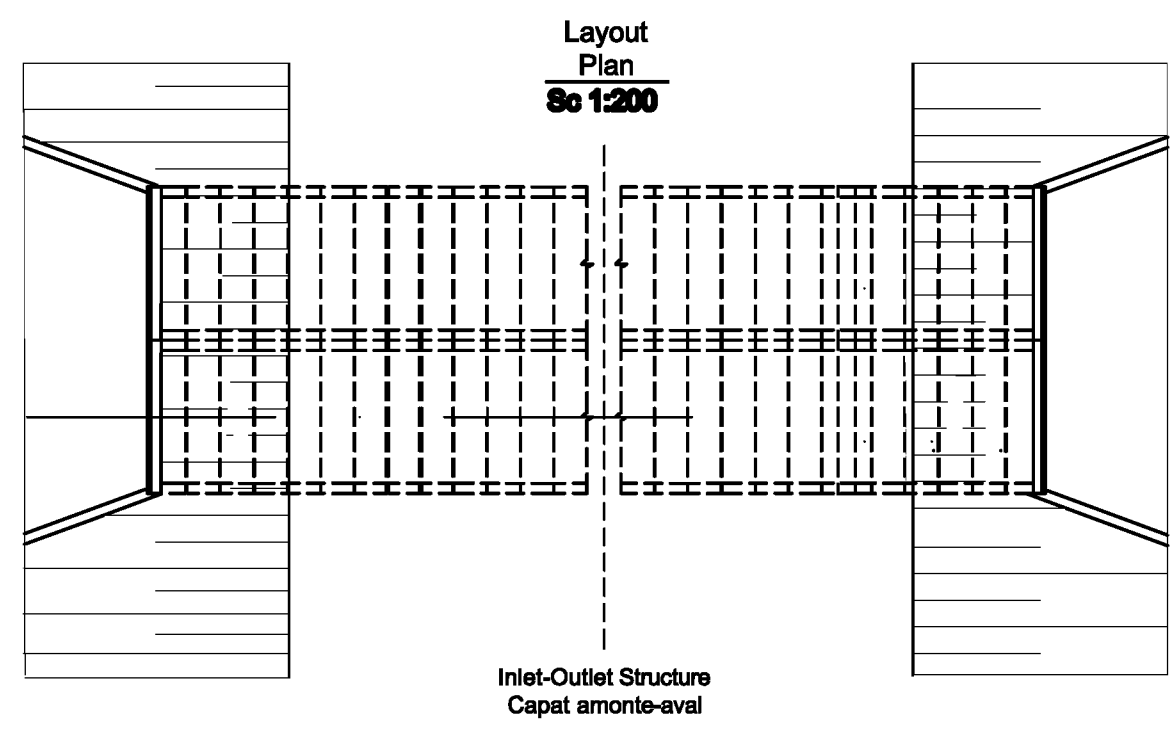
Note. Nota.  
Culvert. Podet:  
PC 500+98;PC 523+35;  
- Ø1.0m\*2.



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Plinschi	Scale	
	Existing typical culverts Podete existente tip	Checked	Bogza	Drawing	
		Control STAS	Belic		PET-DA-5



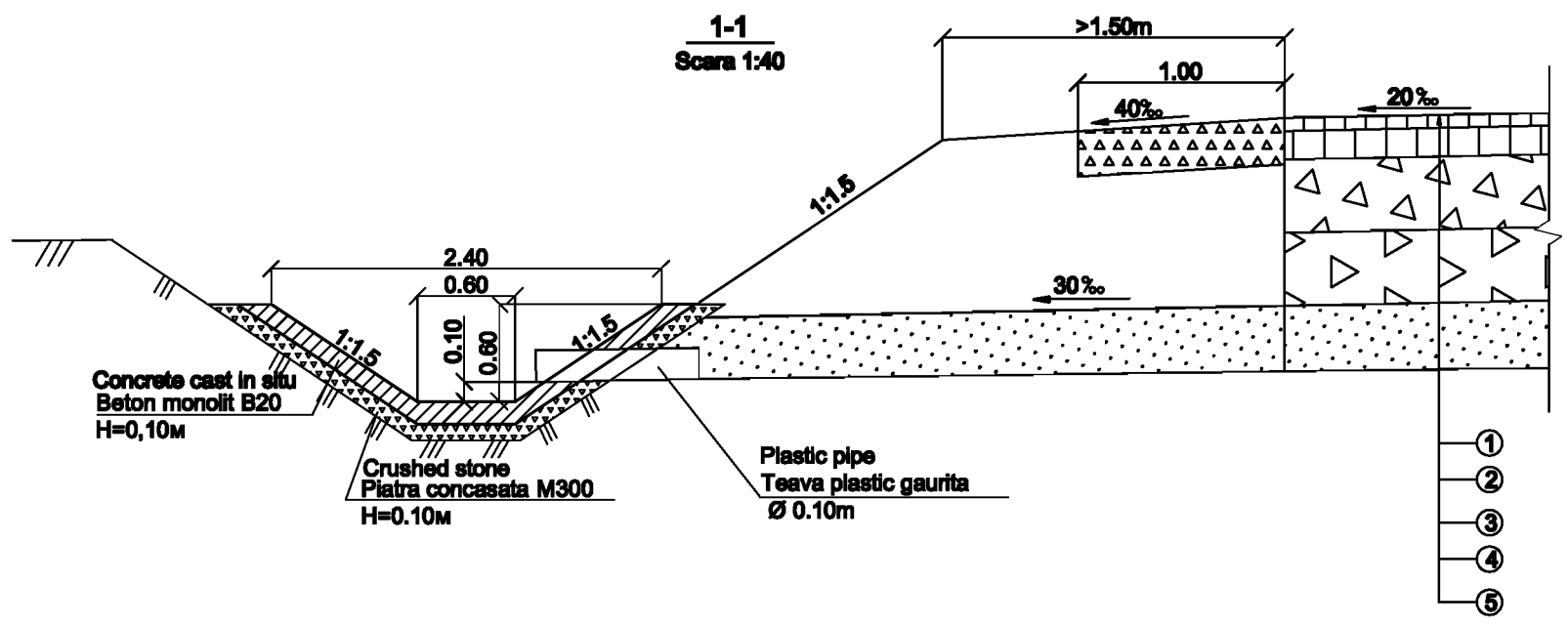
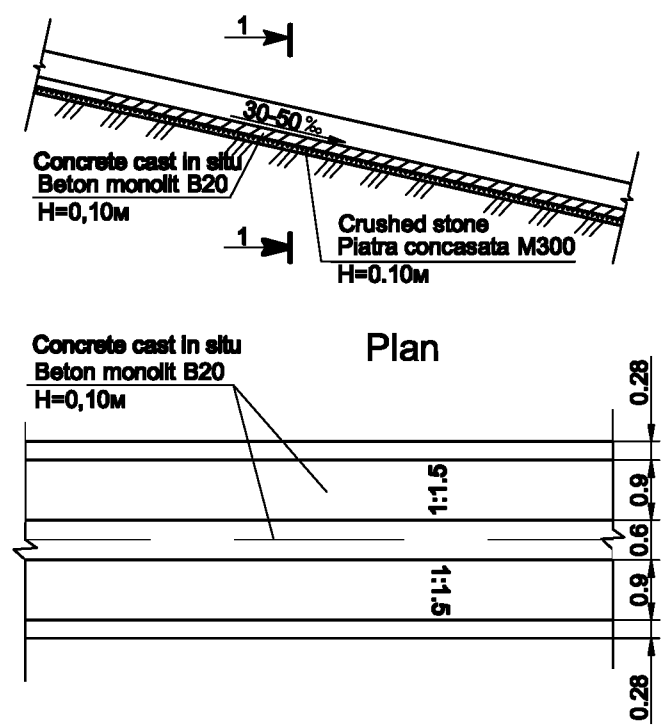
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support	Project		
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Existing typical culverts Podete existente tip	Designed	Plinschi	Scale	
		Checked	Bogza	Drawing	PET-DA-6
		Control STAS	Belic		



Note. Nota.  
Culvert. Podet:  
PC 517+36 - 2\*(2.5\*2.5).

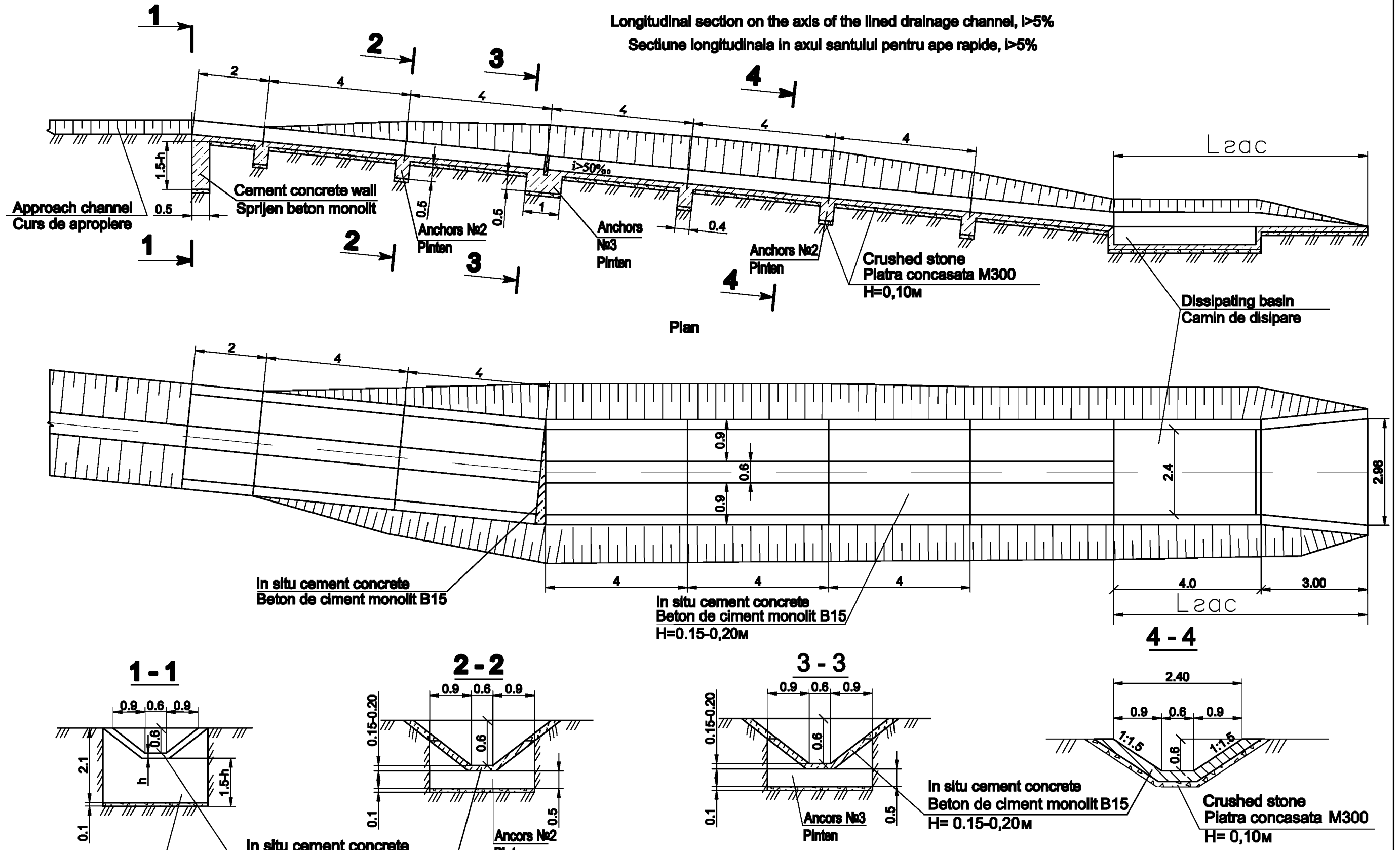
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Plinschi	Scale	
	Existing typical culverts Podete existente tip	Checked	Bogza	Drawing	
		Control STAS	Belic		PET-DA-7

**Tip 1. Trapezoidal lined side drain**  
**Longitudinal section in axis**  
**Sant trapezoidal**  
**Sectiune longitudinalala in ax**



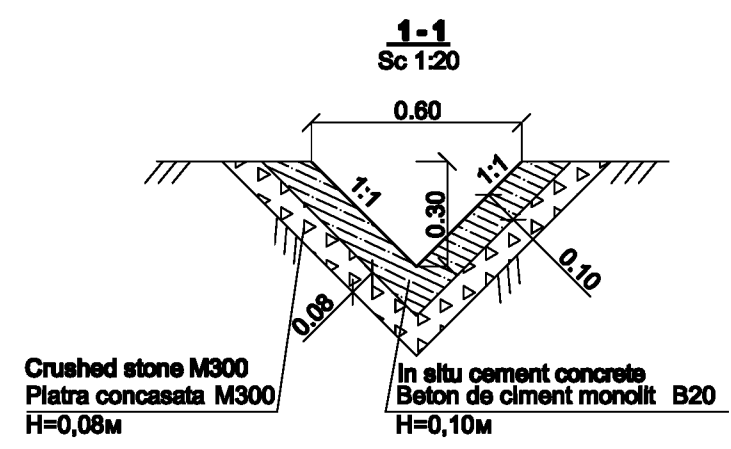
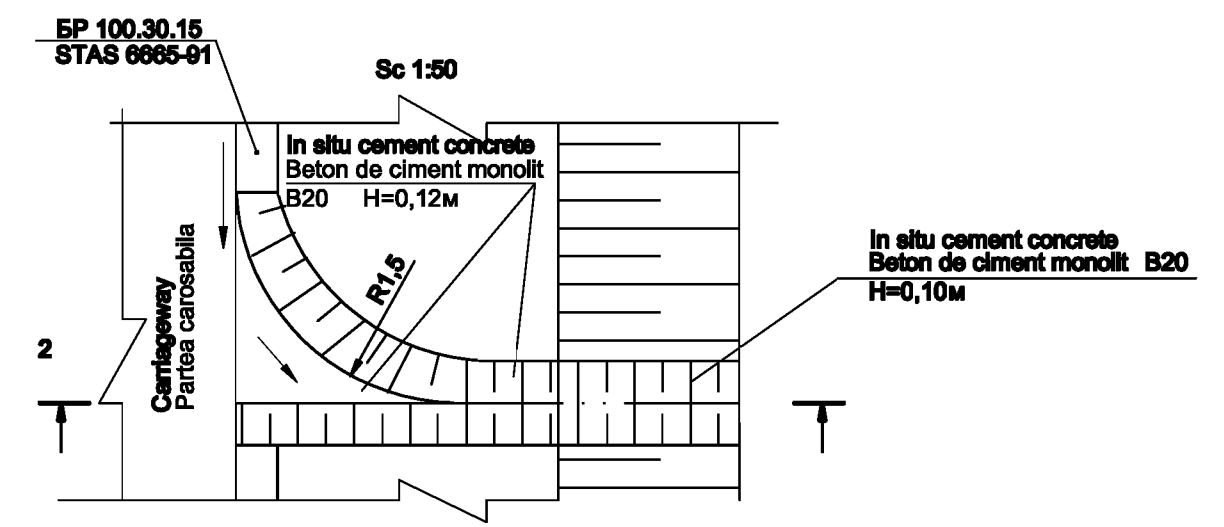
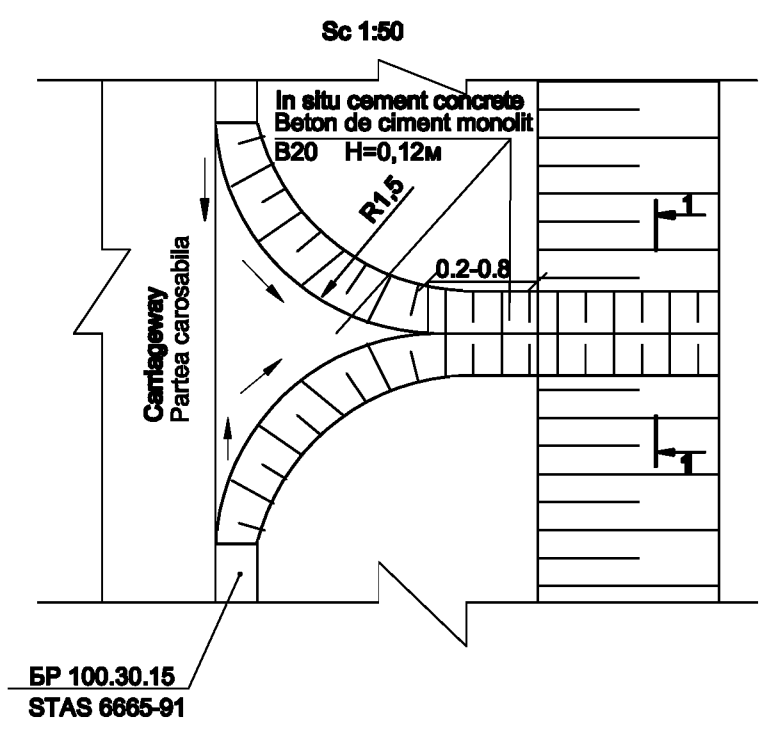
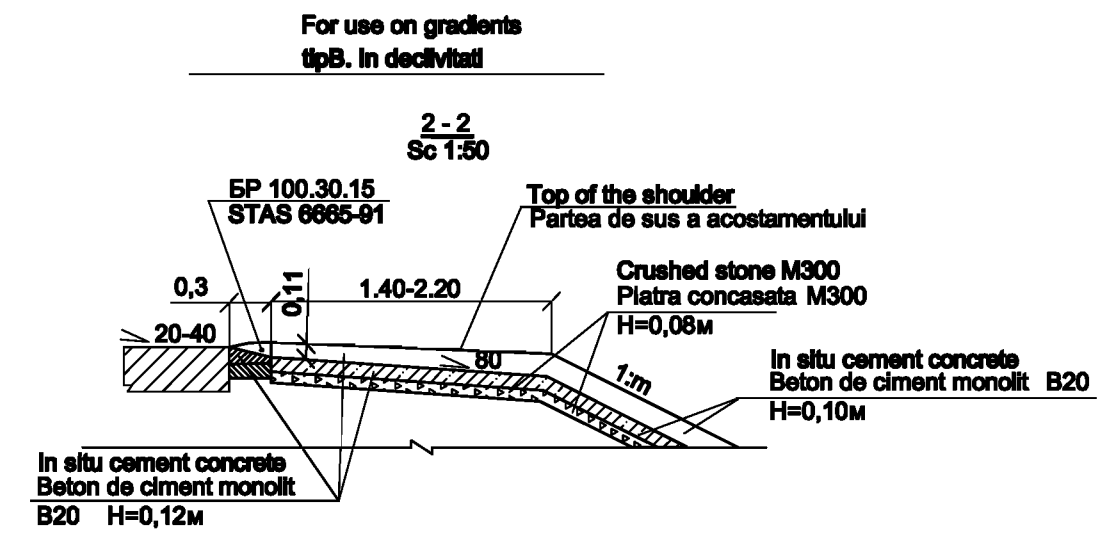
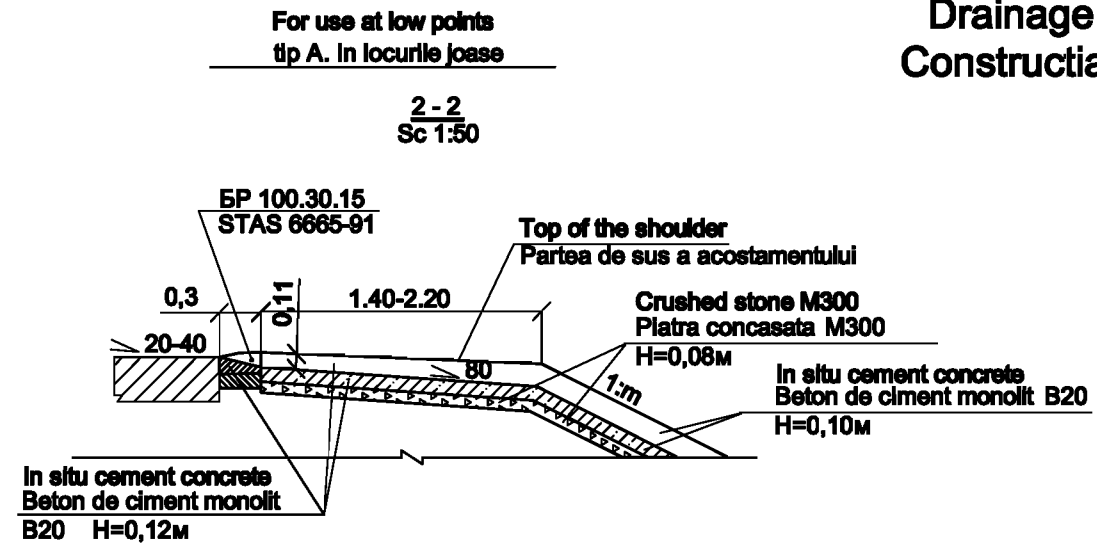
- ① -Fine grain dense asphalt type A M1  
Beton asfalt cu granulatie fina dens h-4cm
- ② -Coarse grain porous asphalt type M  
Beton asfalt cu granulatie mare poros M1 h-8.5cm
- ③ -Crushed stone M1000  
Piatra concasata M1000 h-22.5cm
- ④ -Crushed stone M300  
Piatra concasata M300 h-22.5cm
- ⑤ -Sand  
Nisip h-20cm

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	
	<b>Typical lined side drain 1 i&lt;5%</b>		Checked	Bogza	Drawing	SLT-DA-1
	<b>Santuri laterale tip 1 i&lt;5%</b>		Control STAS	Belic		



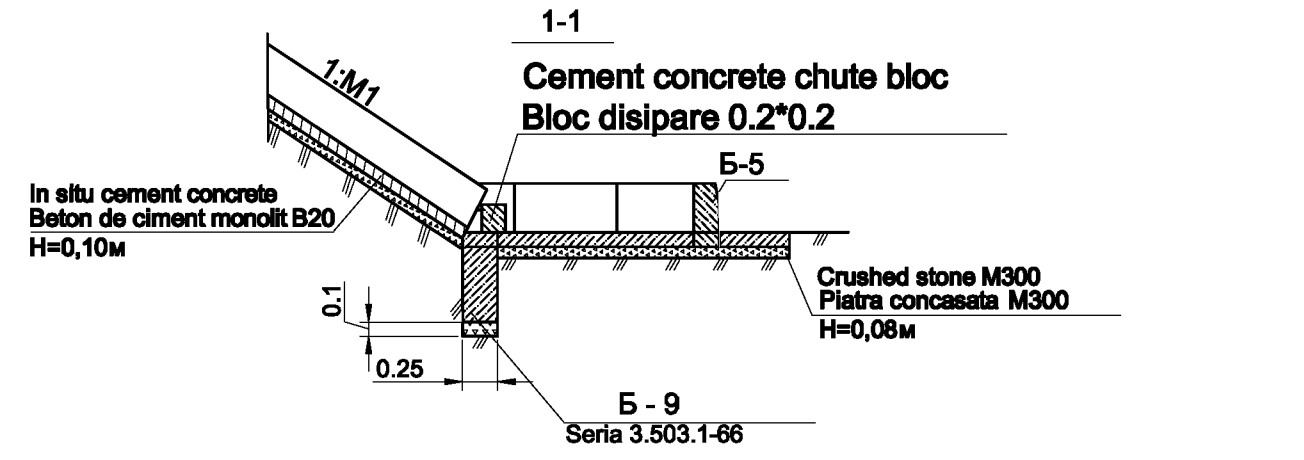
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	
	Typical lined side drain $i > 5\%$ Santuri laterale tip $i > 5\%$	Checked	Bogza	Drawing	
		Control STAS	Belic		<b>SLT-DA-2</b>

### Drainage chutes Constructia casii

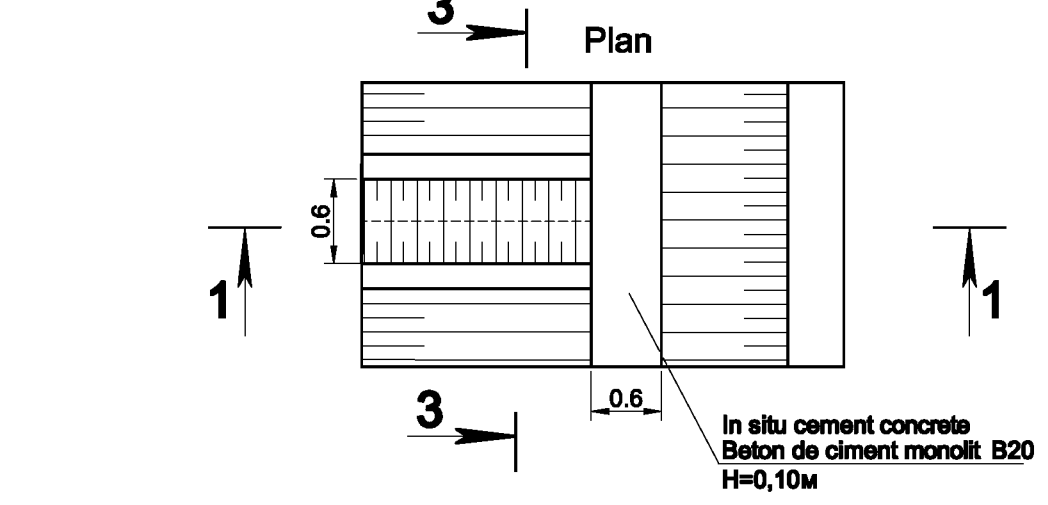
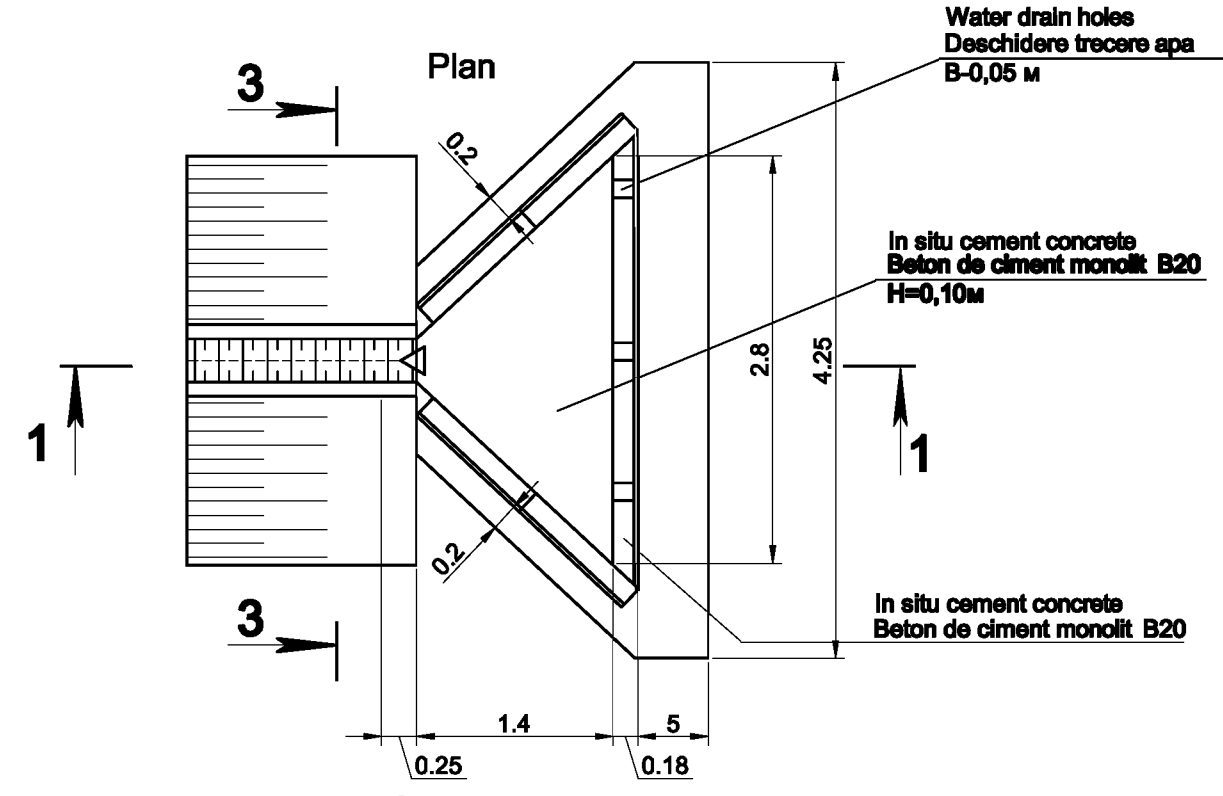
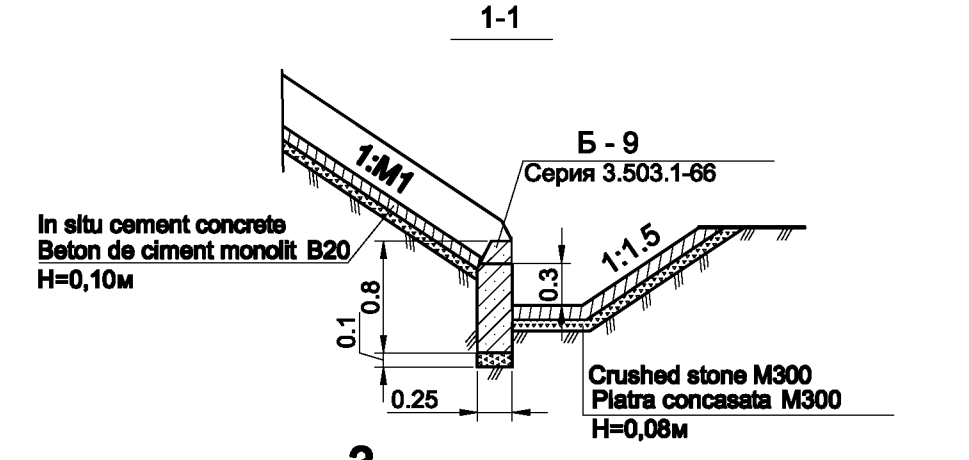


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector		Programme Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	
	Drainage chutes Constructia casii pe acostament		Checked	Bogza	Drawing	
			Control STAS	Belic		CCA-DA-1

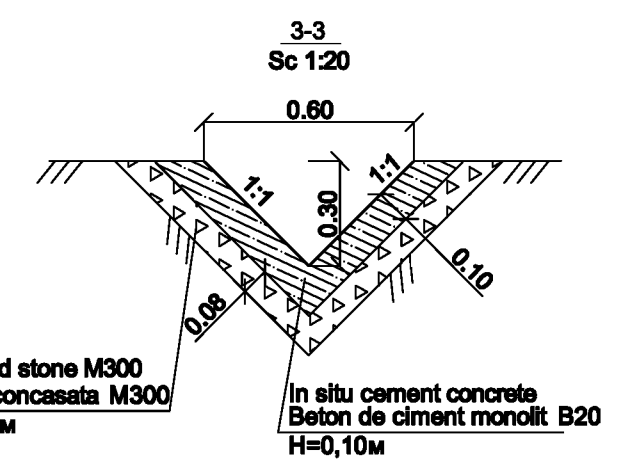
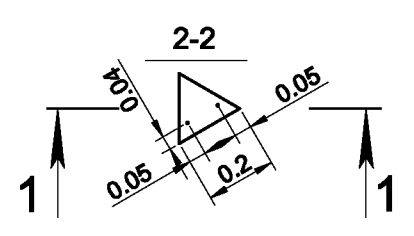
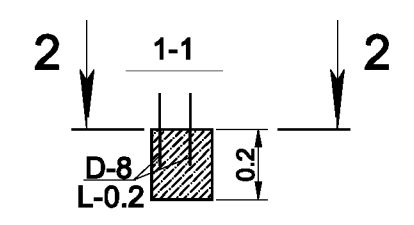
**Embankment chute dissipator  
Camin de disipare**



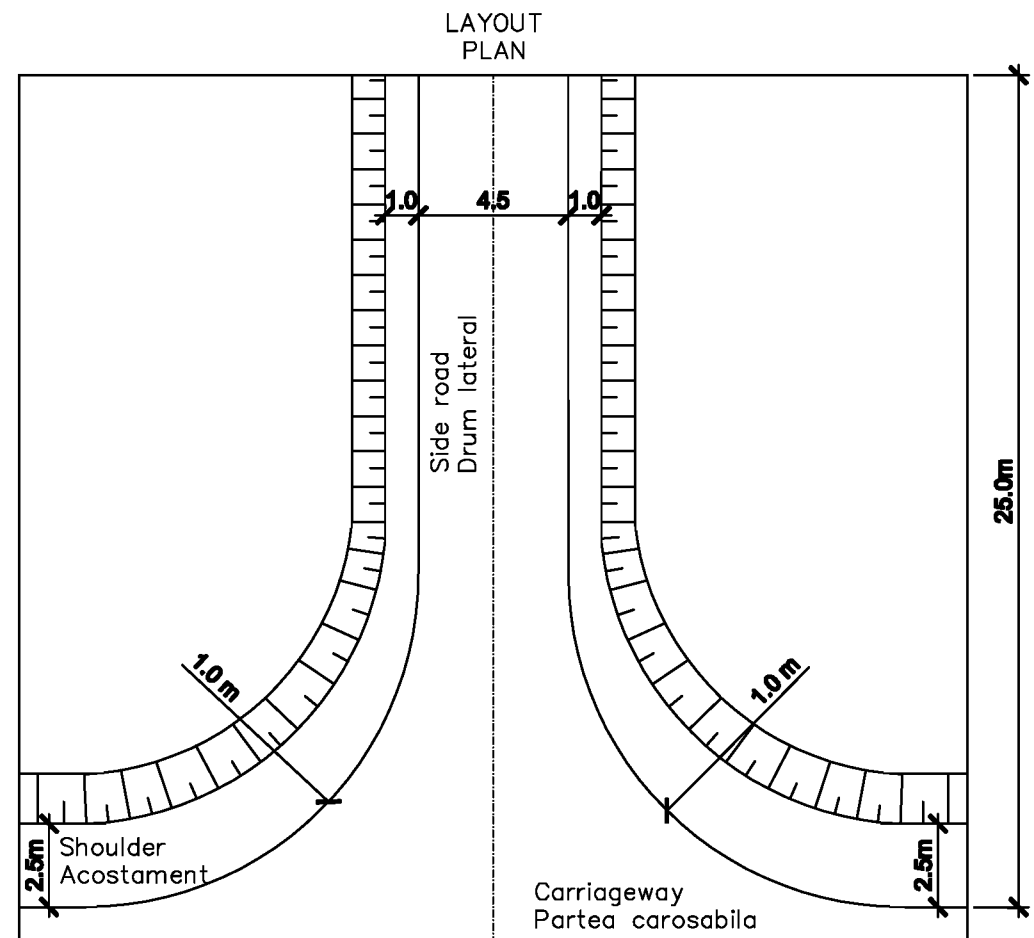
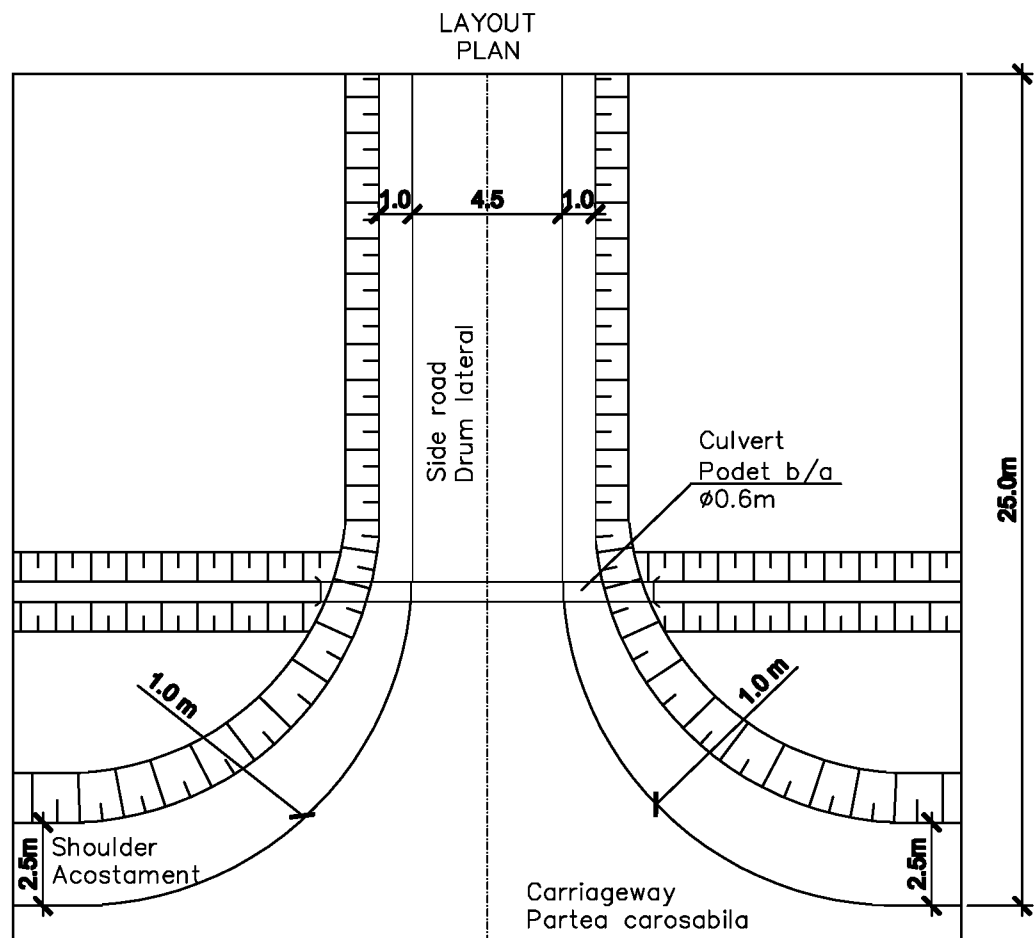
**Side drain dissipator  
Disipator in sant**



**Chuta bloc  
Bloc disipare**  
Sc 1:20

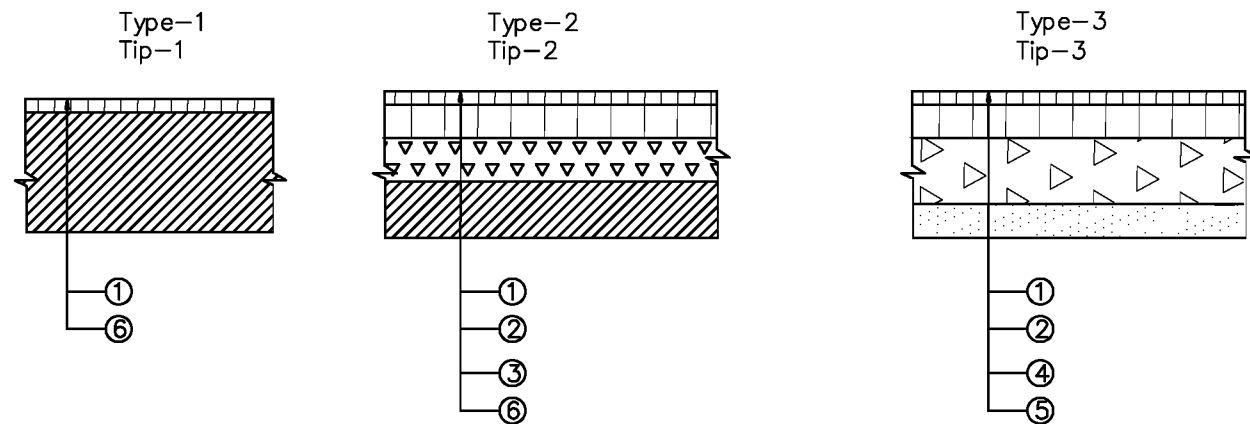


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Construction of the dissipator chutes Camin de disipare pentru casiuri	Designed	Gisca	Scale	
		Checked	Bogza	Drawing	
		Control STAS	Belic		CDC-DA-1



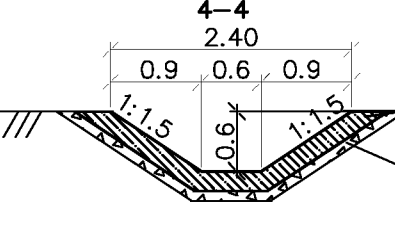
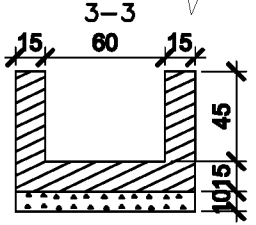
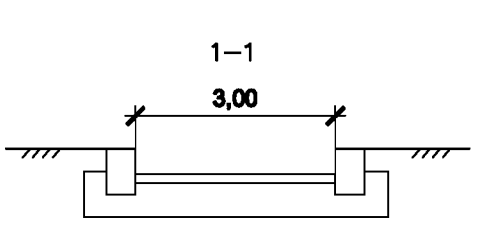
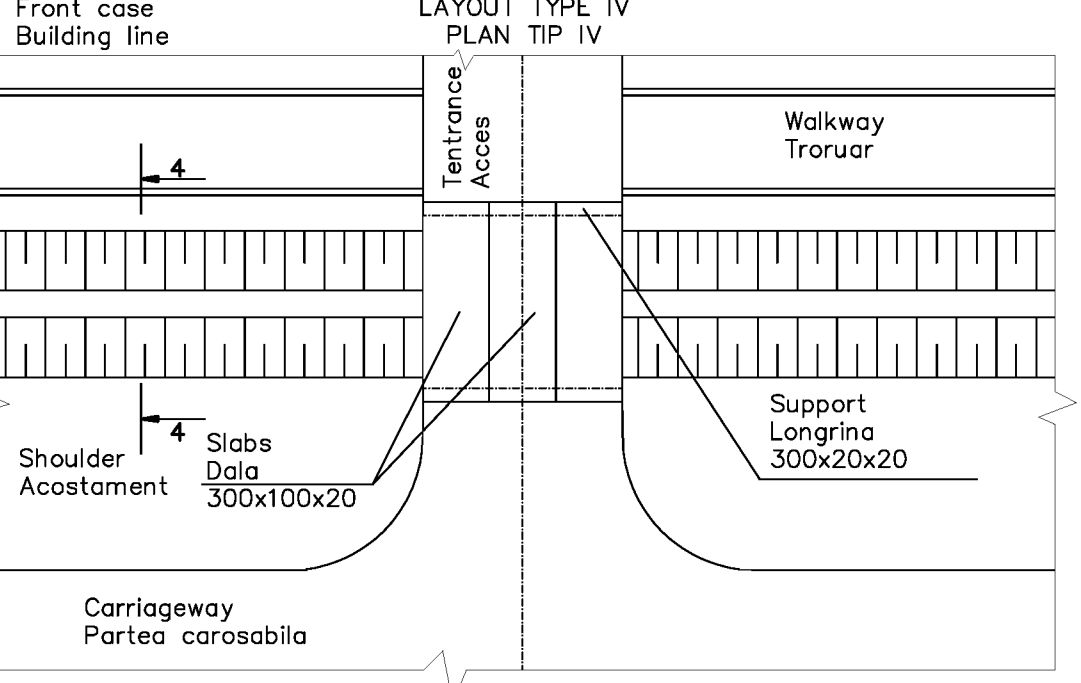
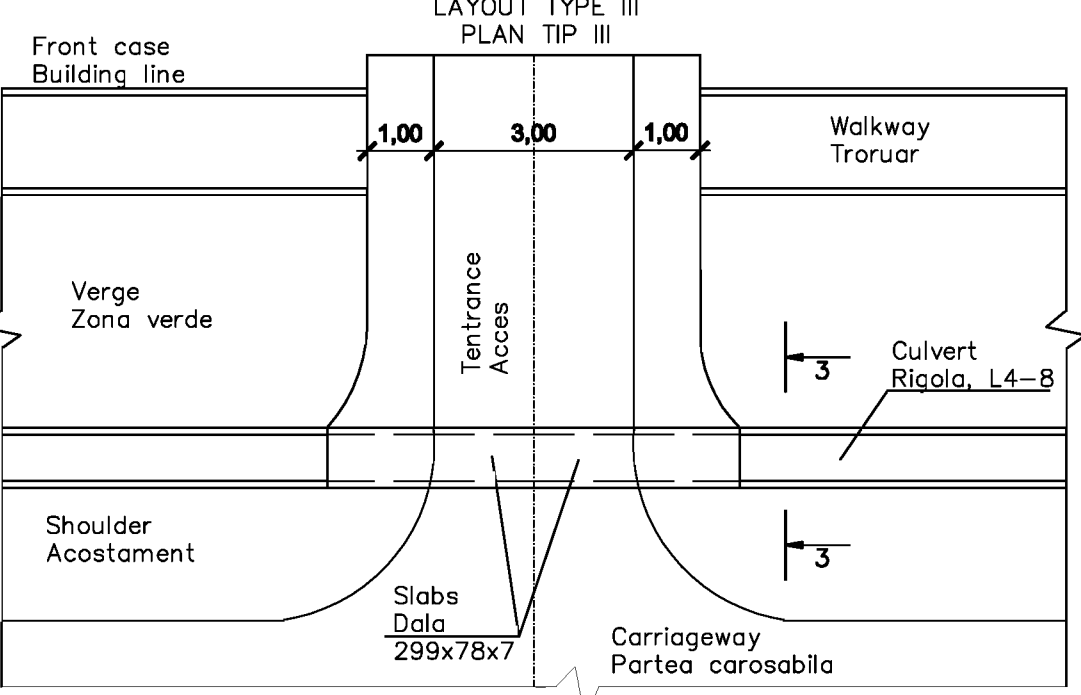
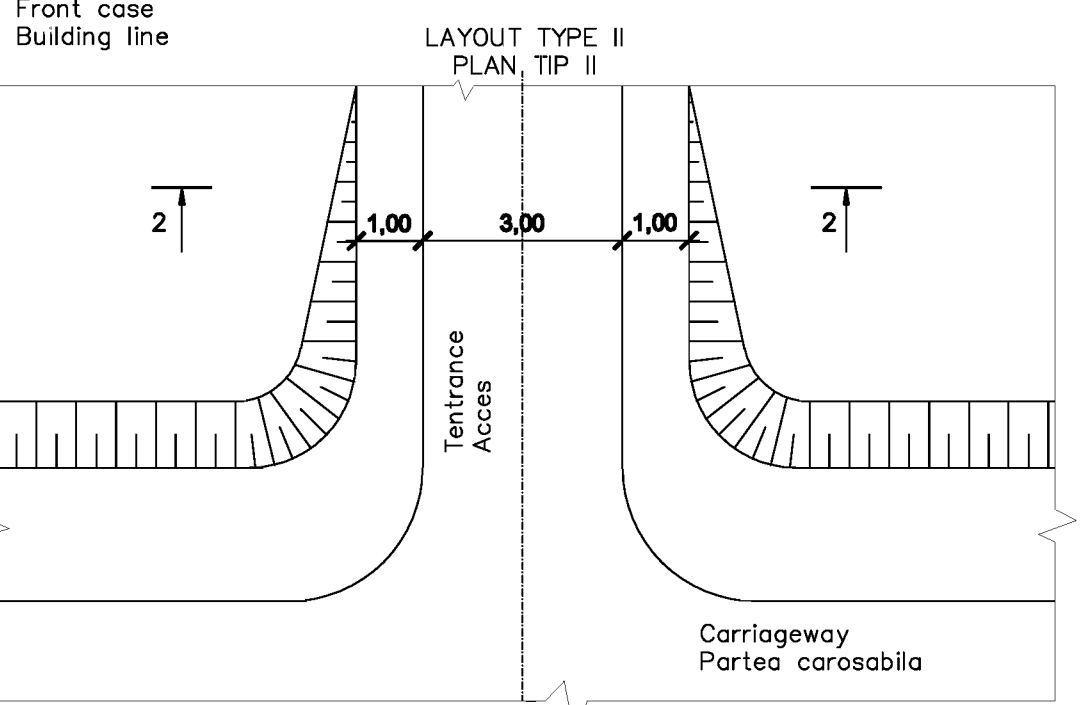
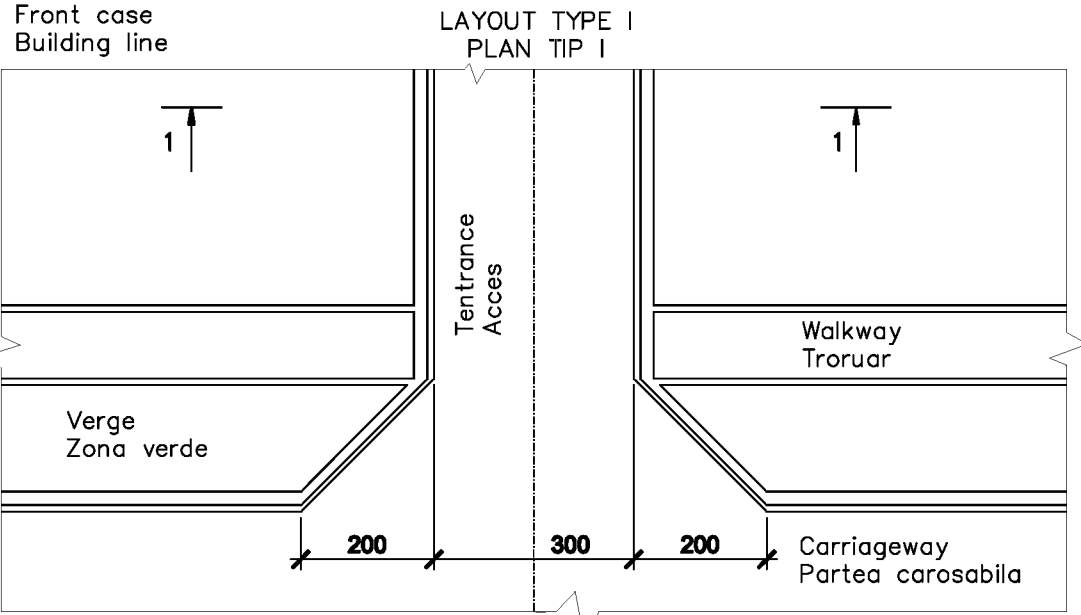
**Structure of pavement  
Constructia sistemului rutier**

- ① - Fine grained dense asphalt type A M1  
Beton asfaltic cu granulatie fina dens tip A M1 h-4cm
- ② - Coarse grained porous asphalt type M1  
Beton asfaltic cu granulatie mare poros M1 h-8cm
- ③ - Crushed stone M300  
Piatra concasata M300 h-15cm
- ④ - Crushed stone M300  
Piatra concasata M300 h-25cm
- ⑤ - Sand  
Nisip h-10cm
- ⑥ - Existing road structure  
Imbracaminte existenta



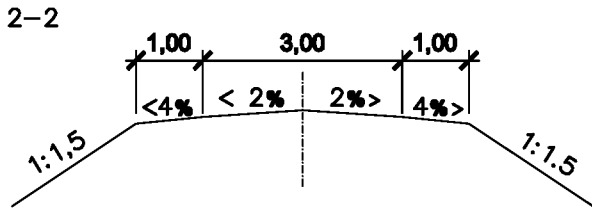
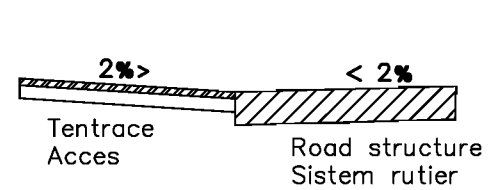
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
	<b>Road Sector</b>	<b>Programme</b>	<b>Support</b>	<b>Project</b>	
<b>Roughton International TRL Blizzard Universcons</b>	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	1:200
	<b>Typical side road Drum lateral tip</b>	Checked	Bogza	Drawing	
		Control STAS	Belic		DLT-DA-1



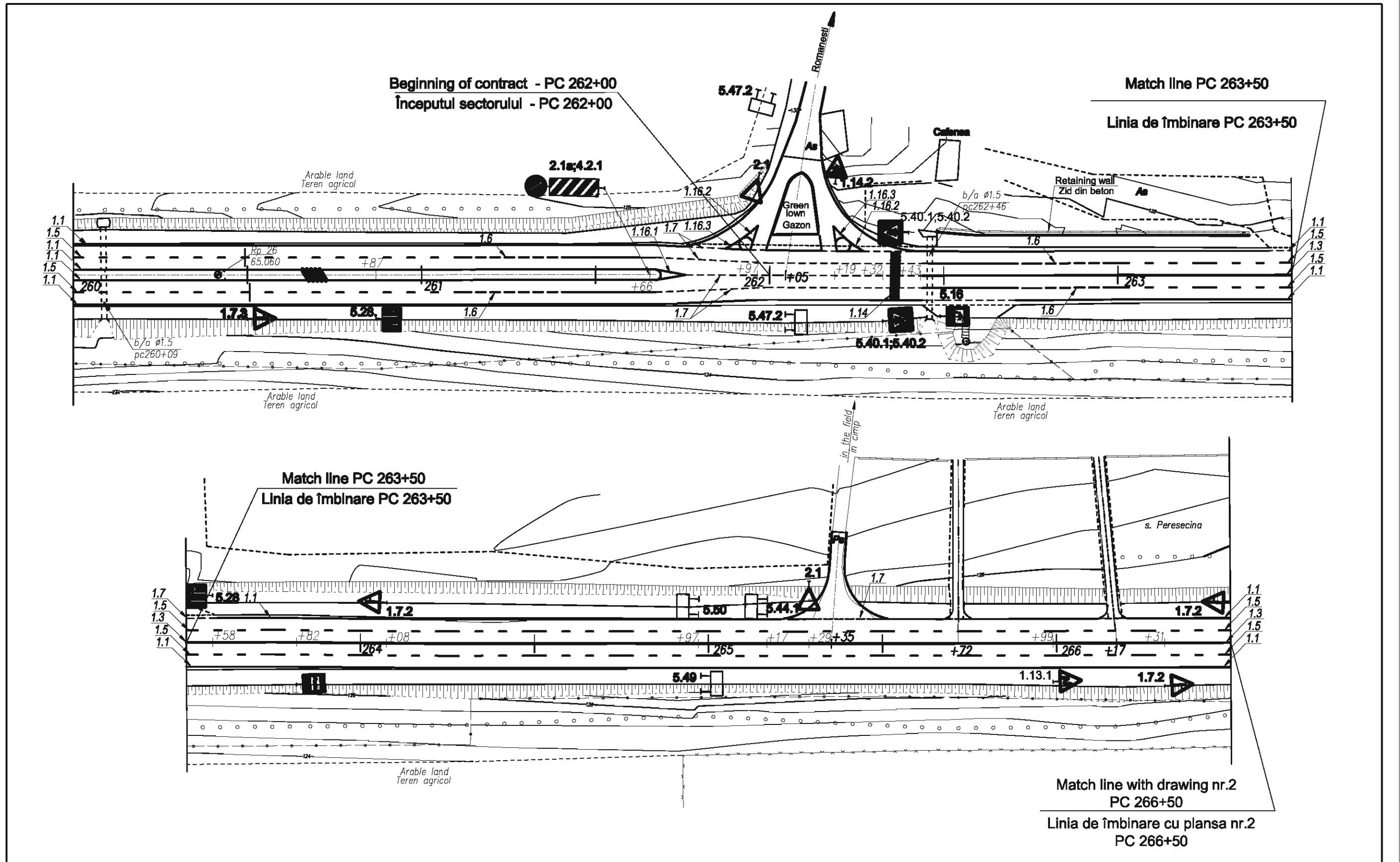


Concrete monolith  
Beton monolit  
B20 H=0.10M

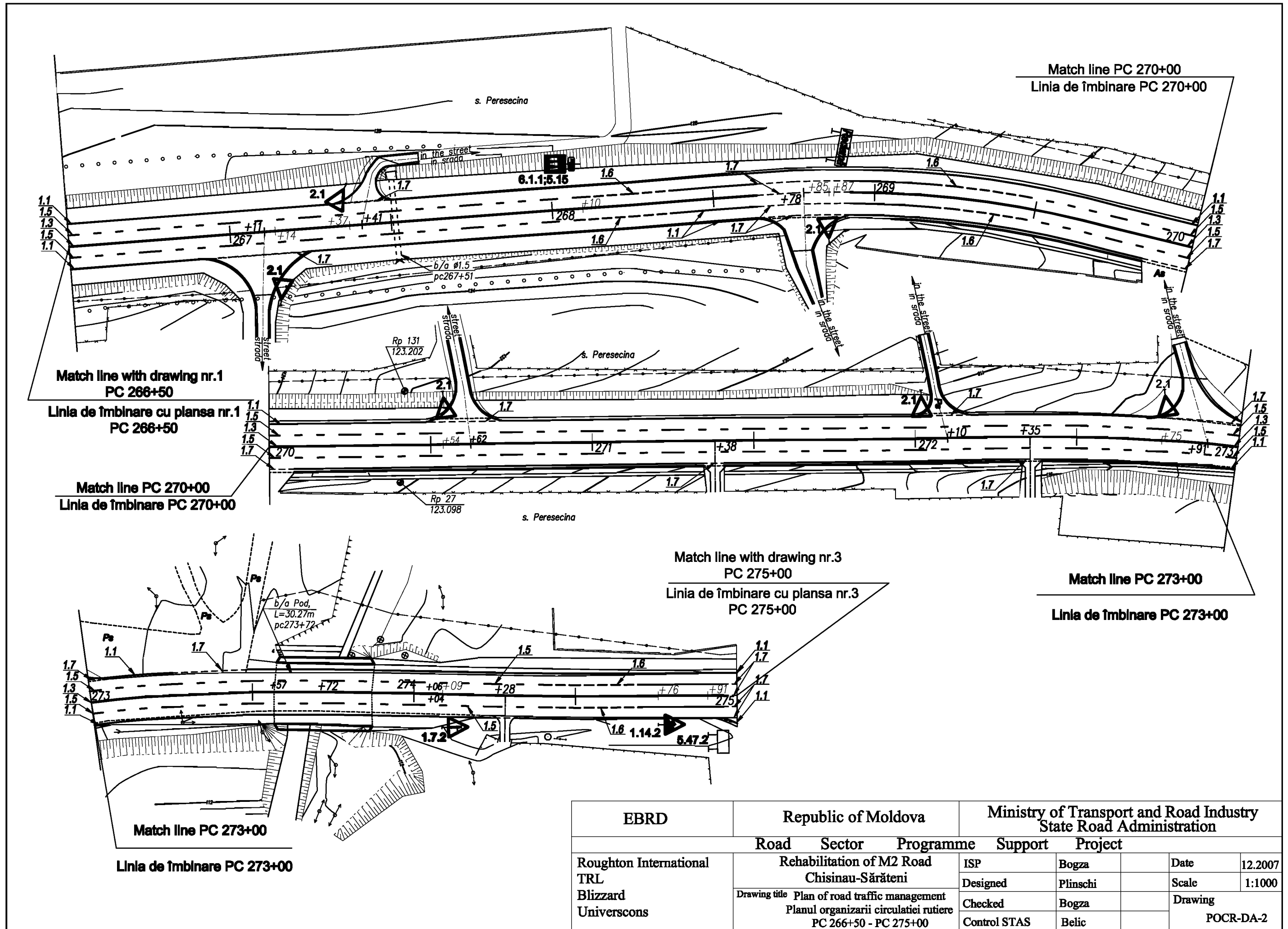
Crushed stone  
Piatra concasata  
M300 H= 0,10M



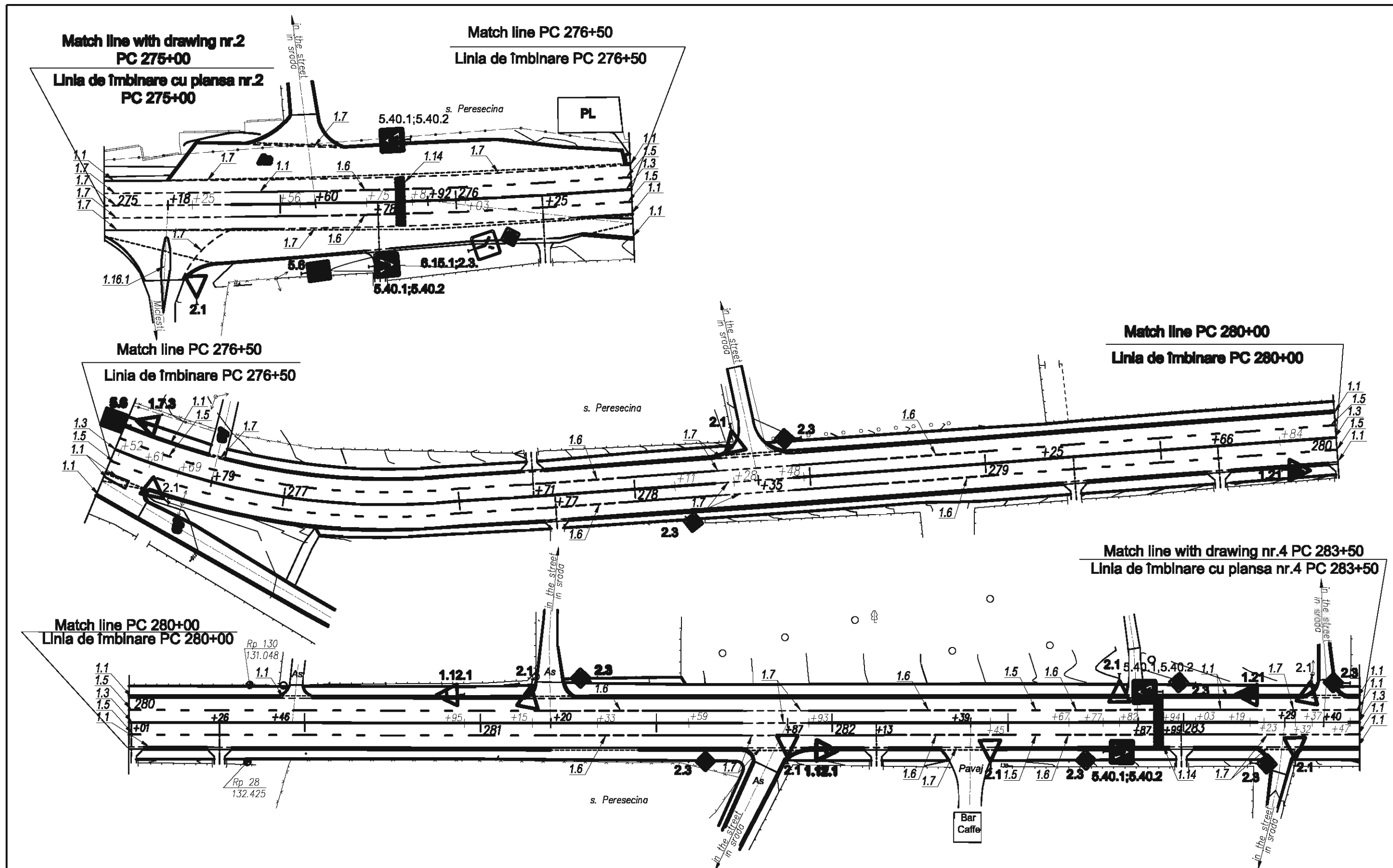
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
TRL		Designed	Gisca	Scale	1:500
Blizzard	Drawing title	Checked	Bogza	Drawing	AC-DA-1
Universcons	Entrance to properties Acces in curti	Control STAS	Belic		



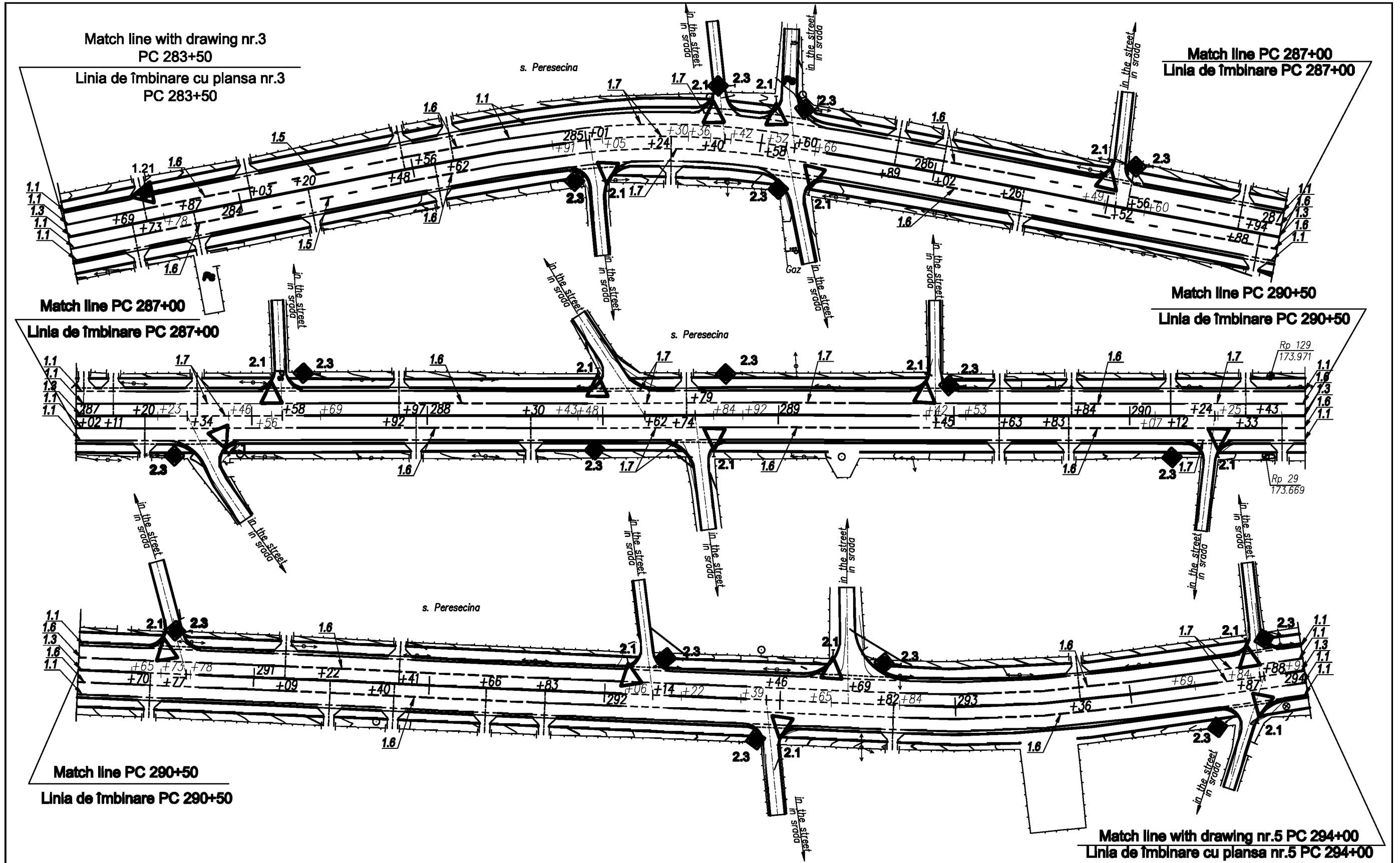
EBRD		Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
		Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni			ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 260+00 - PC 266+50			Designed	Plinschi	Scale	1:1000
				Checked	Bogza	Drawing	POCR-DA-1
				Control STAS	Belic		



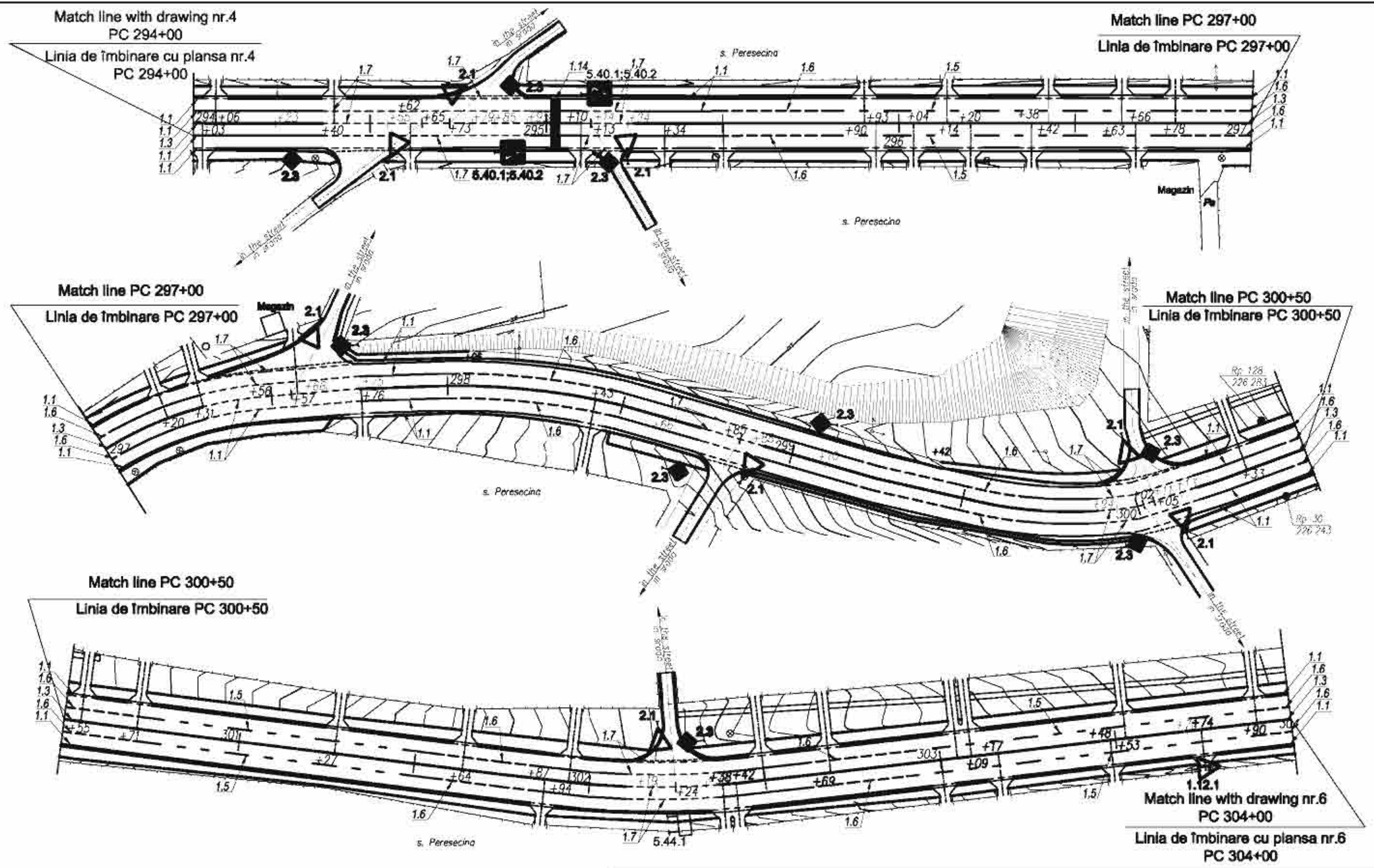
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 266+50 - PC 275+00		Designed	Plinschi	Scale	1:1000
			Checked	Bogza	Drawing	
			Control STAS	Belic		POCR-DA-2



<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International	Rehabilitation of M2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sărăteni	Designed	Plinschi	Scale	1:1000
Blizzard	Drawing title <b>Plan of road traffic management</b>	Checked	Bogza	Drawing	
Universcons	<b>Planul organizarii circulatiei rutiere</b>	Control STAS	Belic	<b>POCR-DA-3</b>	
	<b>PC 275+00 - PC 283+50</b>				

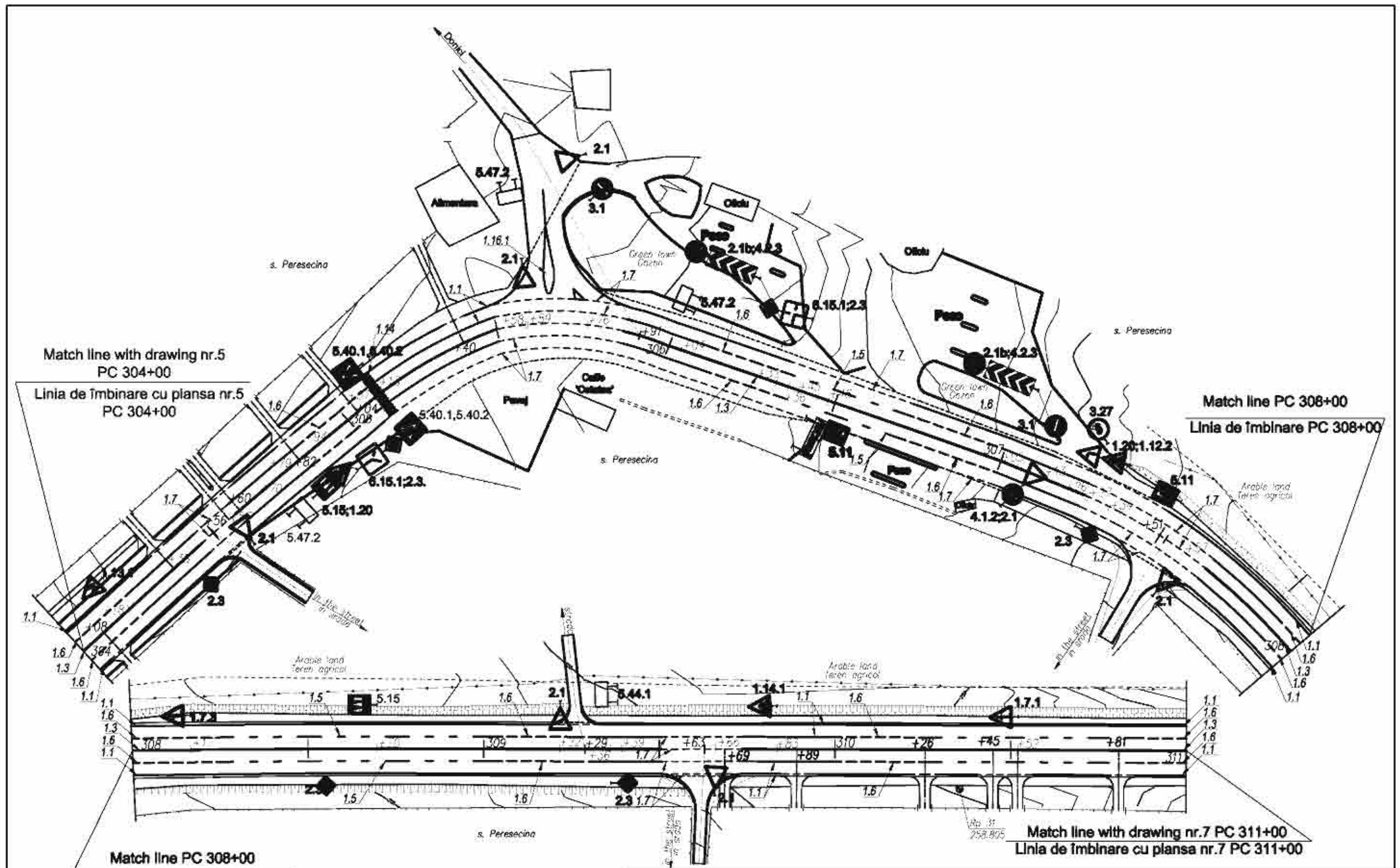


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
TRL	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 283+50 - PC 294+00</b>		Designed	Plinschi	Scale	1:1000
Blizzard			Checked	Bogza	Drawing	
Universcons			Control STAS	Belic	POCR-DA-4	

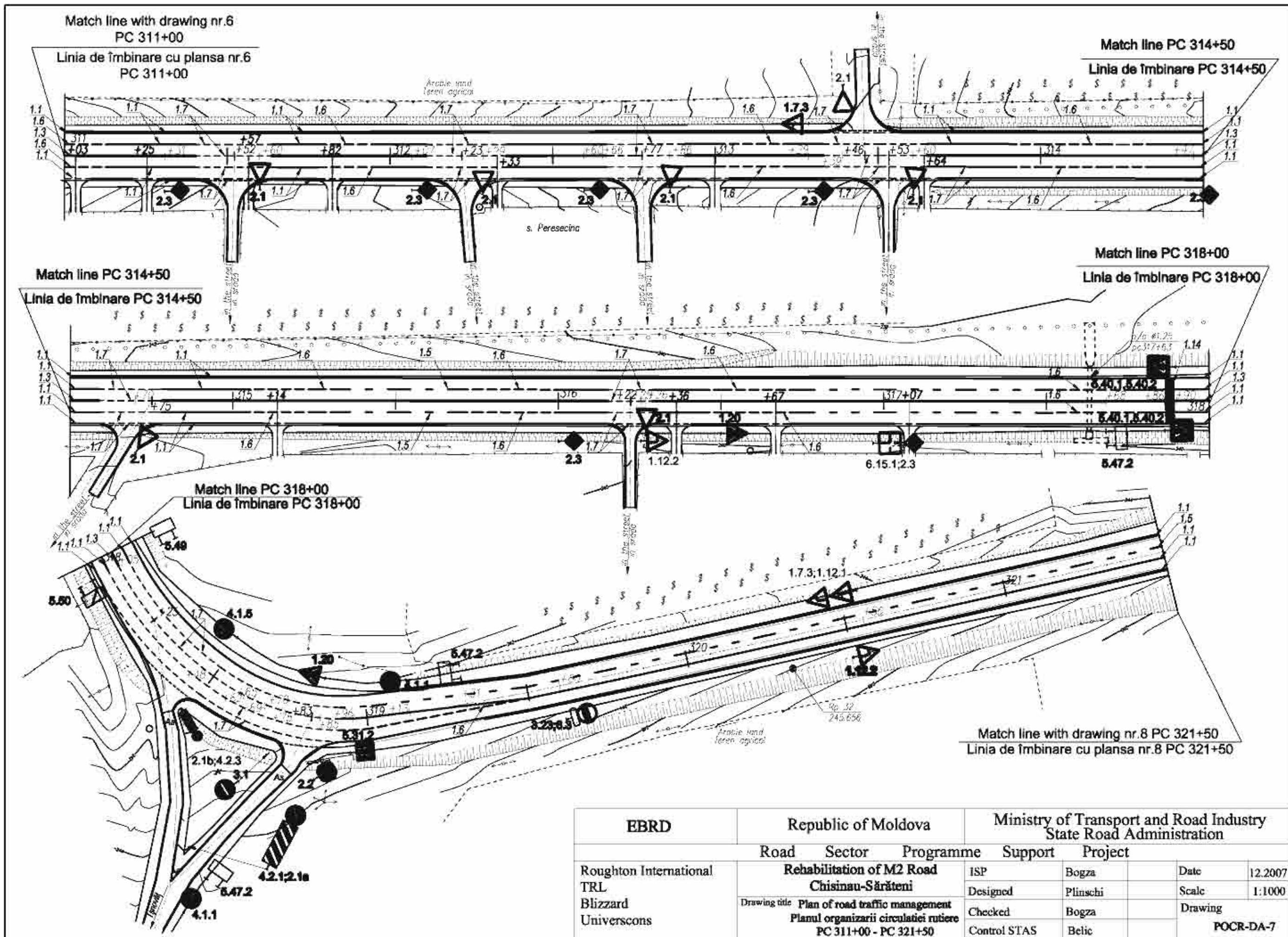


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration		
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date
	Drawing title: Plan of road traffic management Planul organizării circulației rutiere PC 294+00 - PC 304+00		Designed	Plinschi	Scale
			Checked	Bogza	Drawing
			Control STAS	Belic	POCR-DA-5
				Date	12.2007
				Scale	1:1000



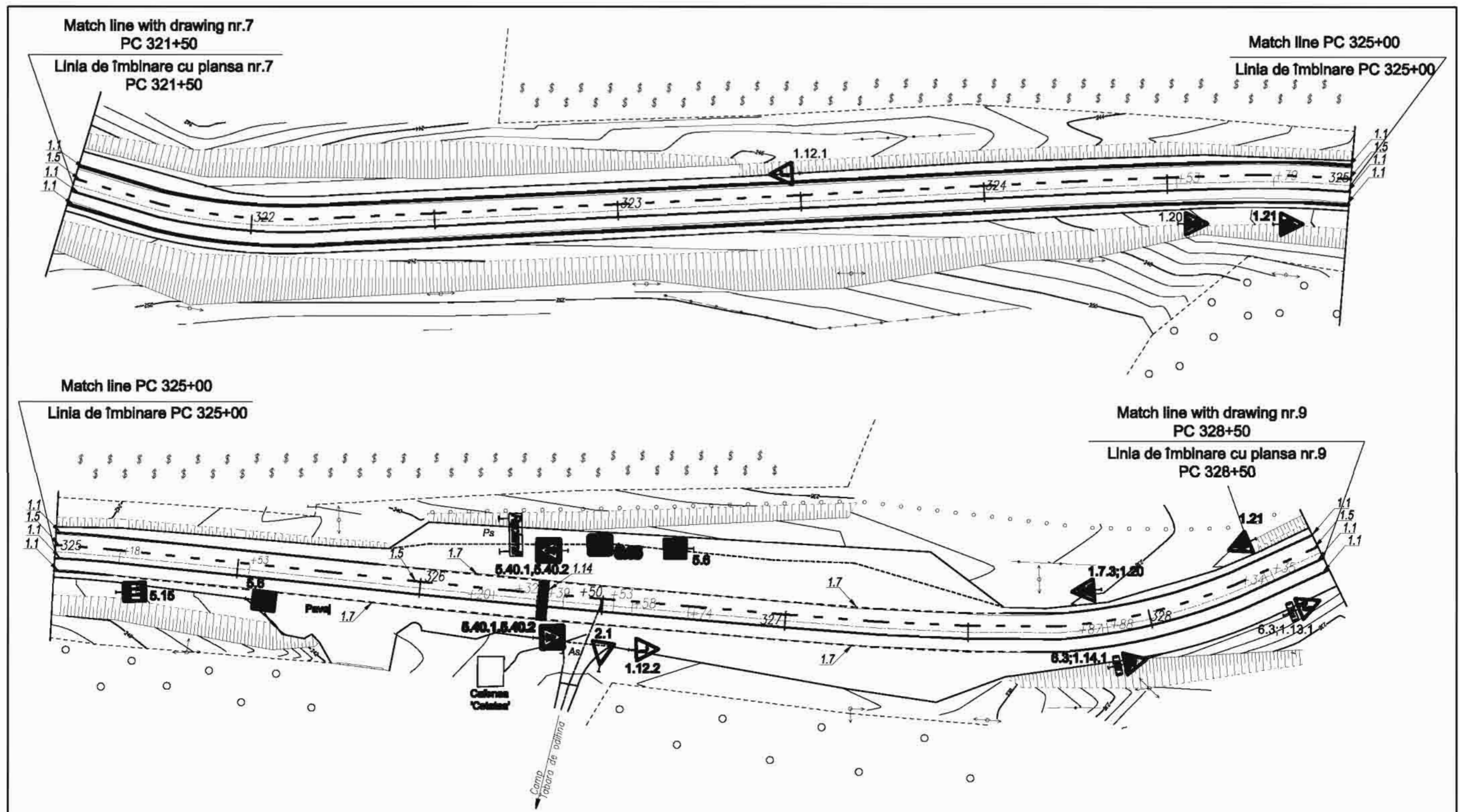


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project		Rehabilitation of M2 Road Chisinau-Sărăteni			
Roughton International	ISP	Bogza	Date	12.2007	
TRL	Designed	Plinschi	Scale	1:1000	
Blizzard	Checked	Bogza	Drawing		
Universcons	Control STAS	Belic	POCR-DA-6		

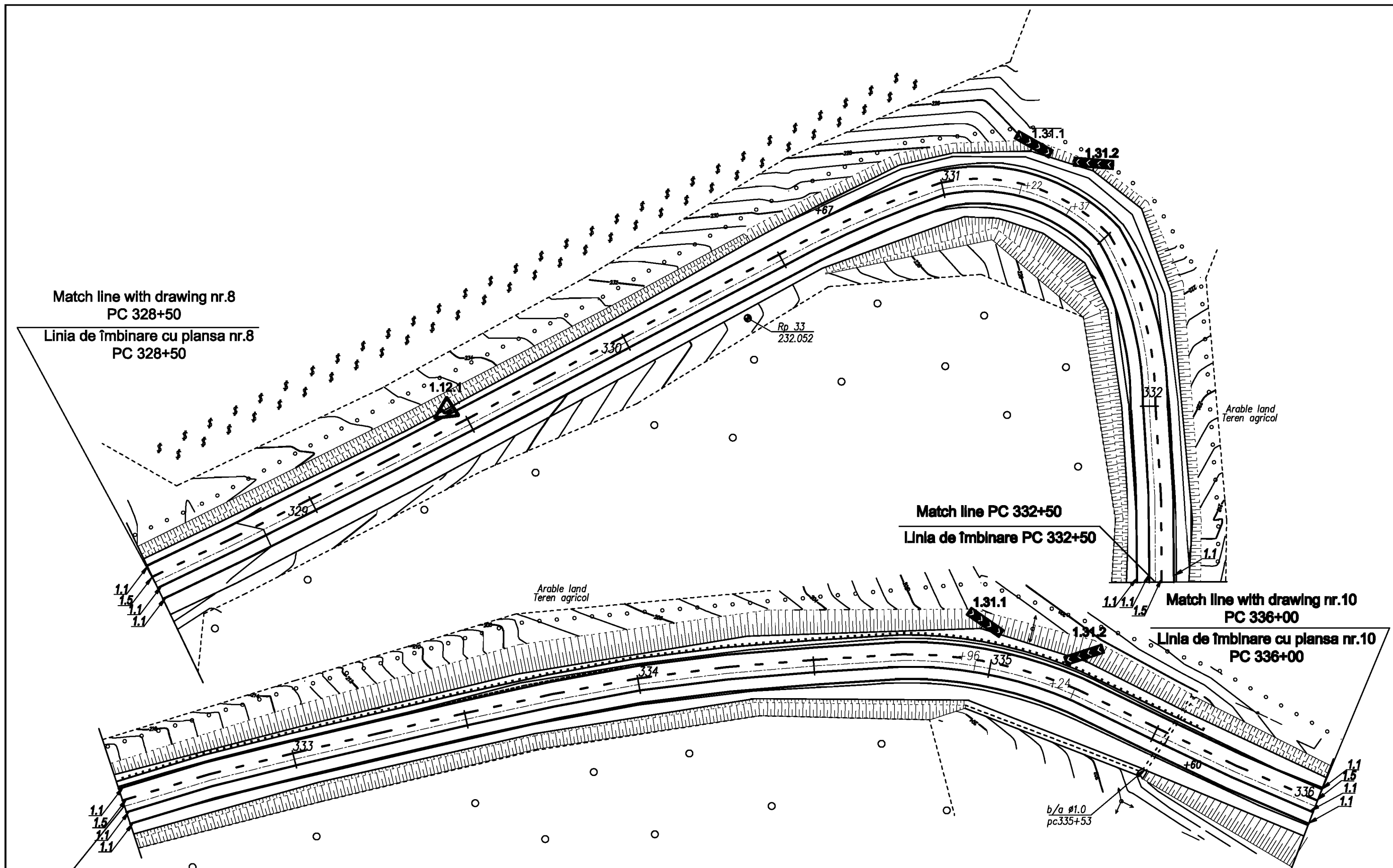


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title: Plan of road traffic management Planul organizării circulației rutiere PC 311+00 - PC 321+50	Designed	Plinschi	Scale	1:1000
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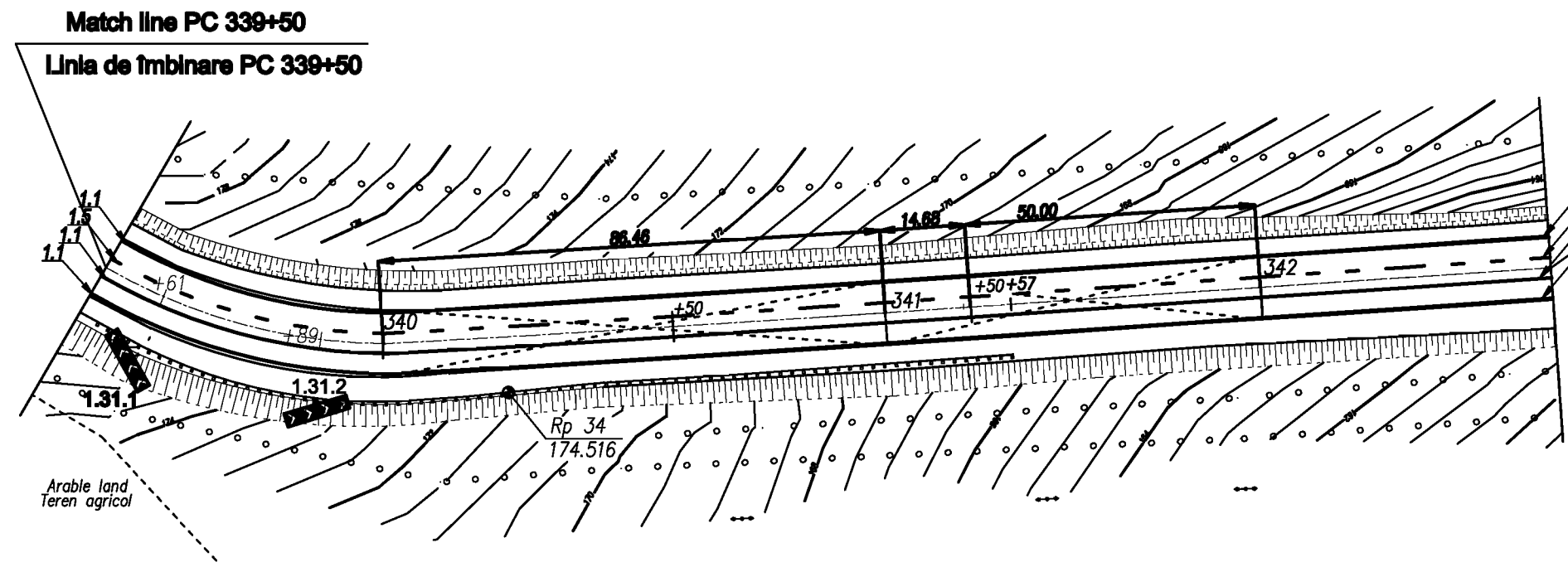
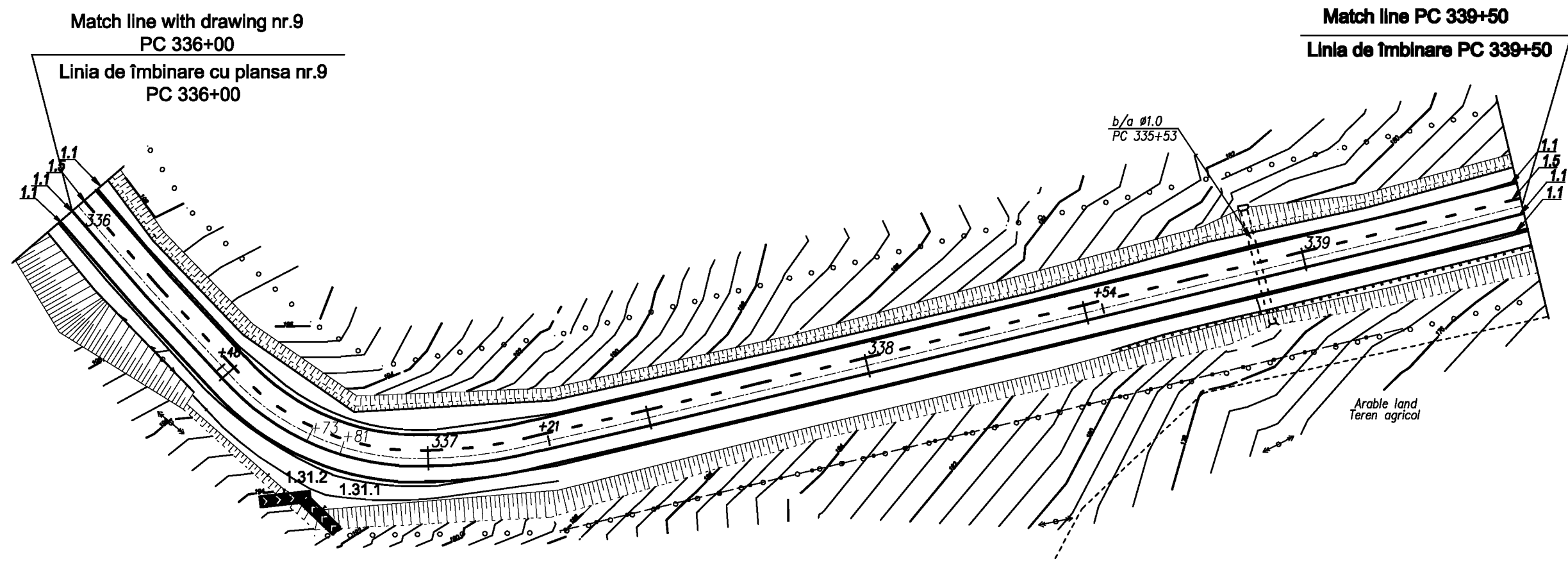




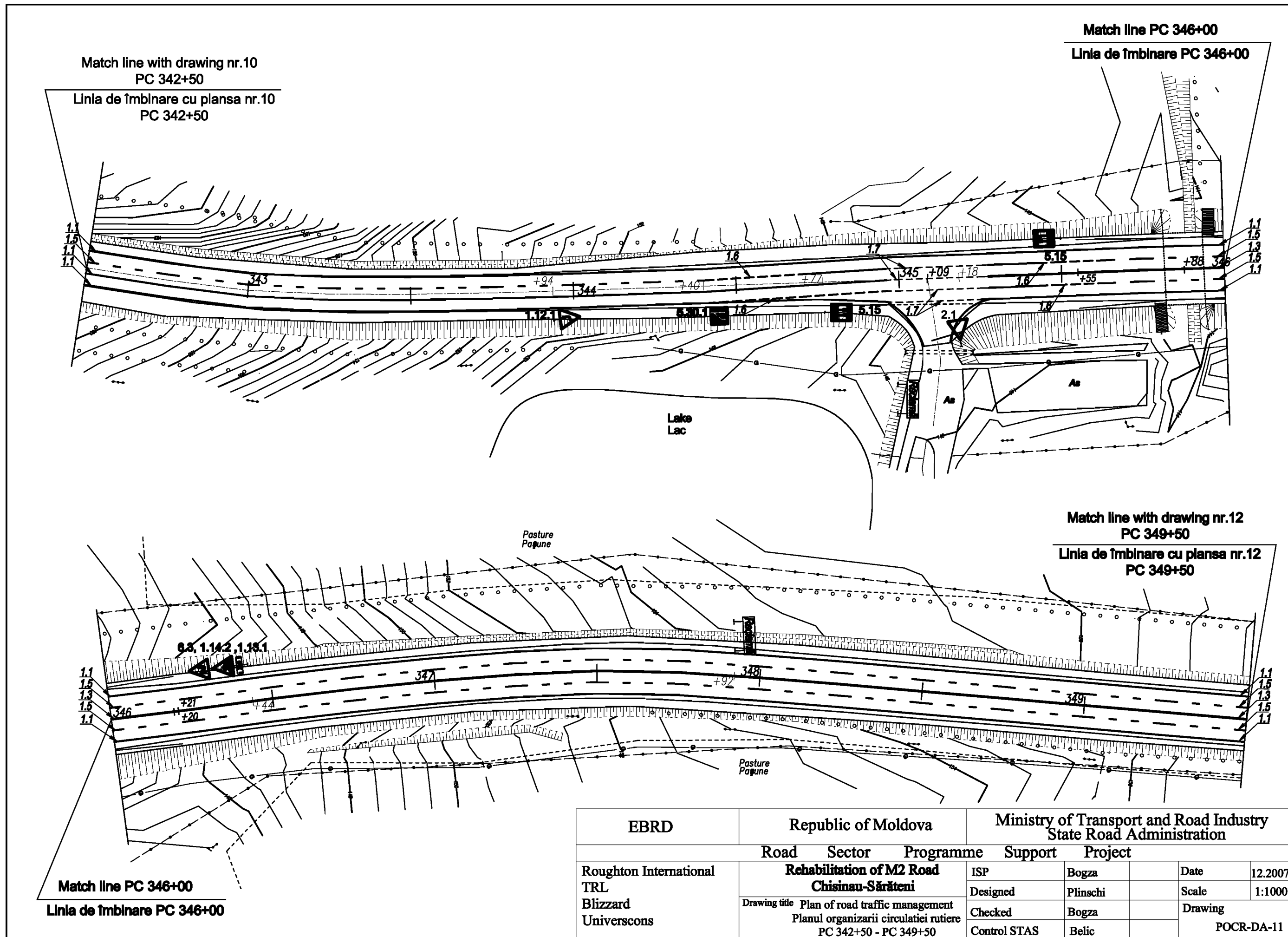
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme	Support	Project	
Roughton International	Rehabilitation of M2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sărăteni	Designed	Plinschi	Scale	1:1000
Blizzard	Drawing title <b>Plan of road traffic management</b> <b>Planul organizarii circulatiei rutiere</b> <b>PC 321+50 - PC 328+50</b>	Checked	Bogza	Drawing <b>POCR-DA-8</b>	
Universcons		Control STAS	Belic		



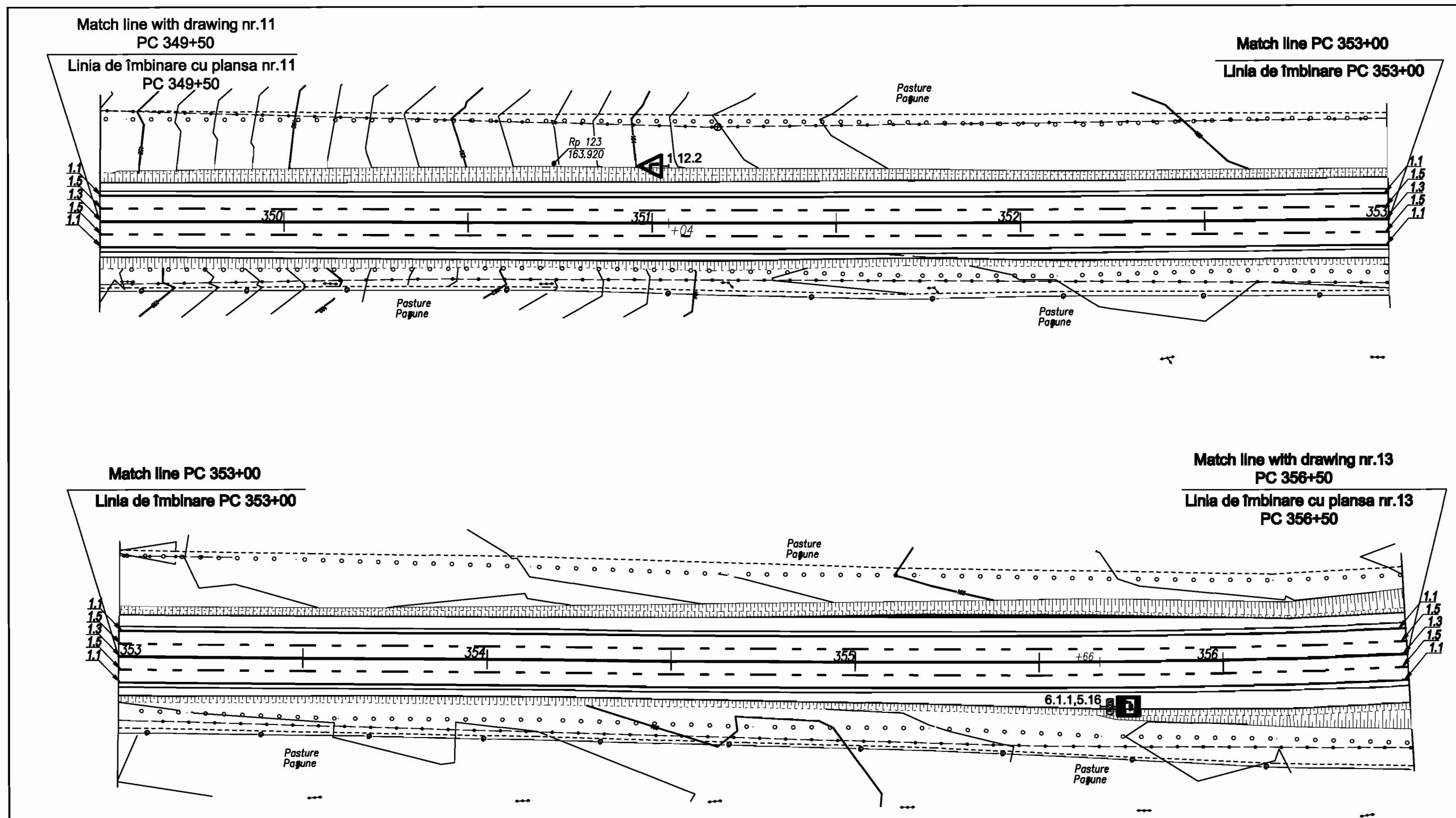
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 328+50 - PC 336+00		Designed	Plinschi	Scale	1:1000
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			Control STAS	Belic	POCR-DA-9	



EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 336+00 - PC 342+50		Designed	Plinschi	Scale	1:1000
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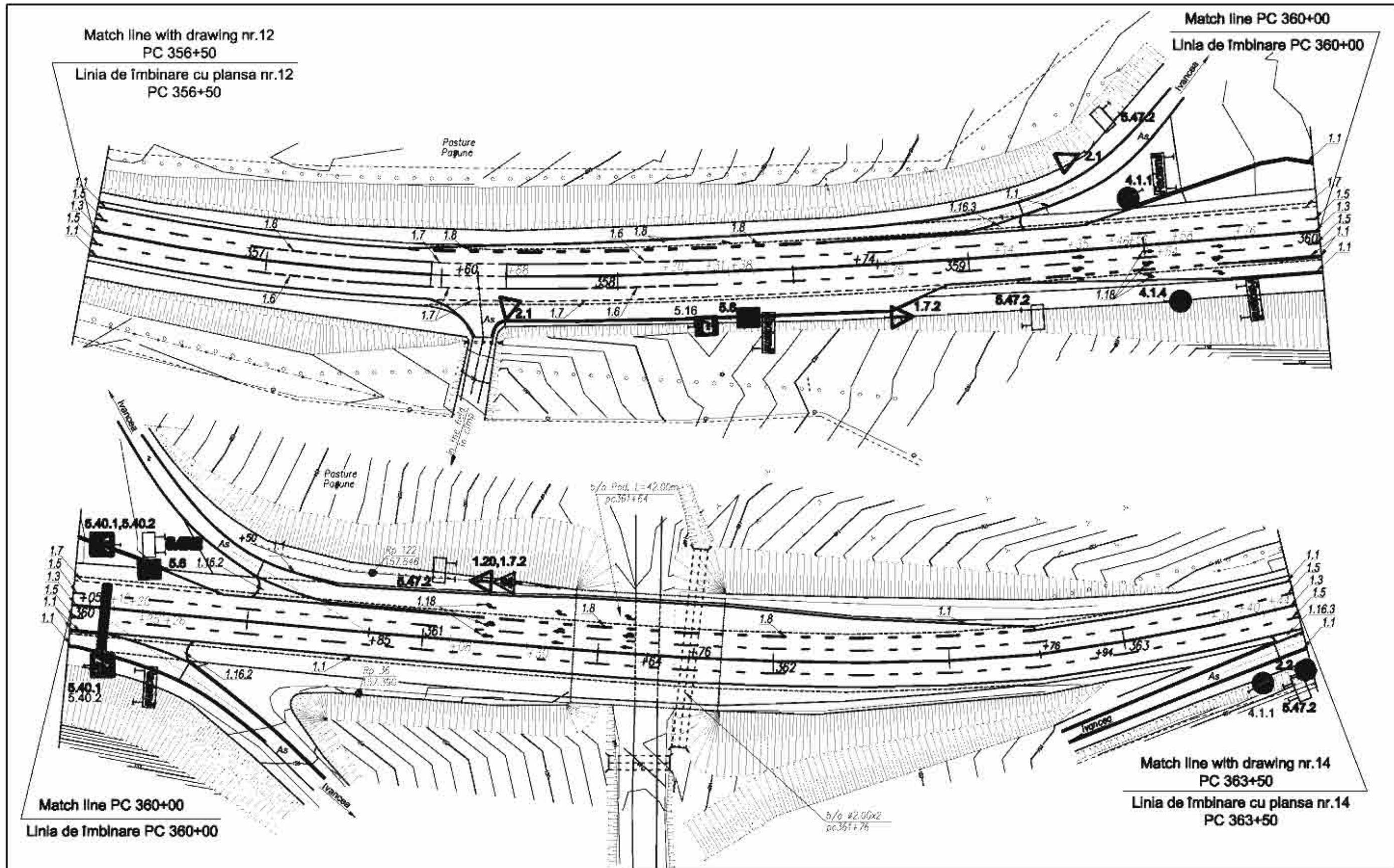


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project		Rehabilitation of M2 Road Chisinau-Sărăteni			
Roughton International	ISP	Bogza	Date	12.2007	
TRL	Designed	Plinschi	Scale	1:1000	
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Universcons	Control STAS	Belic			

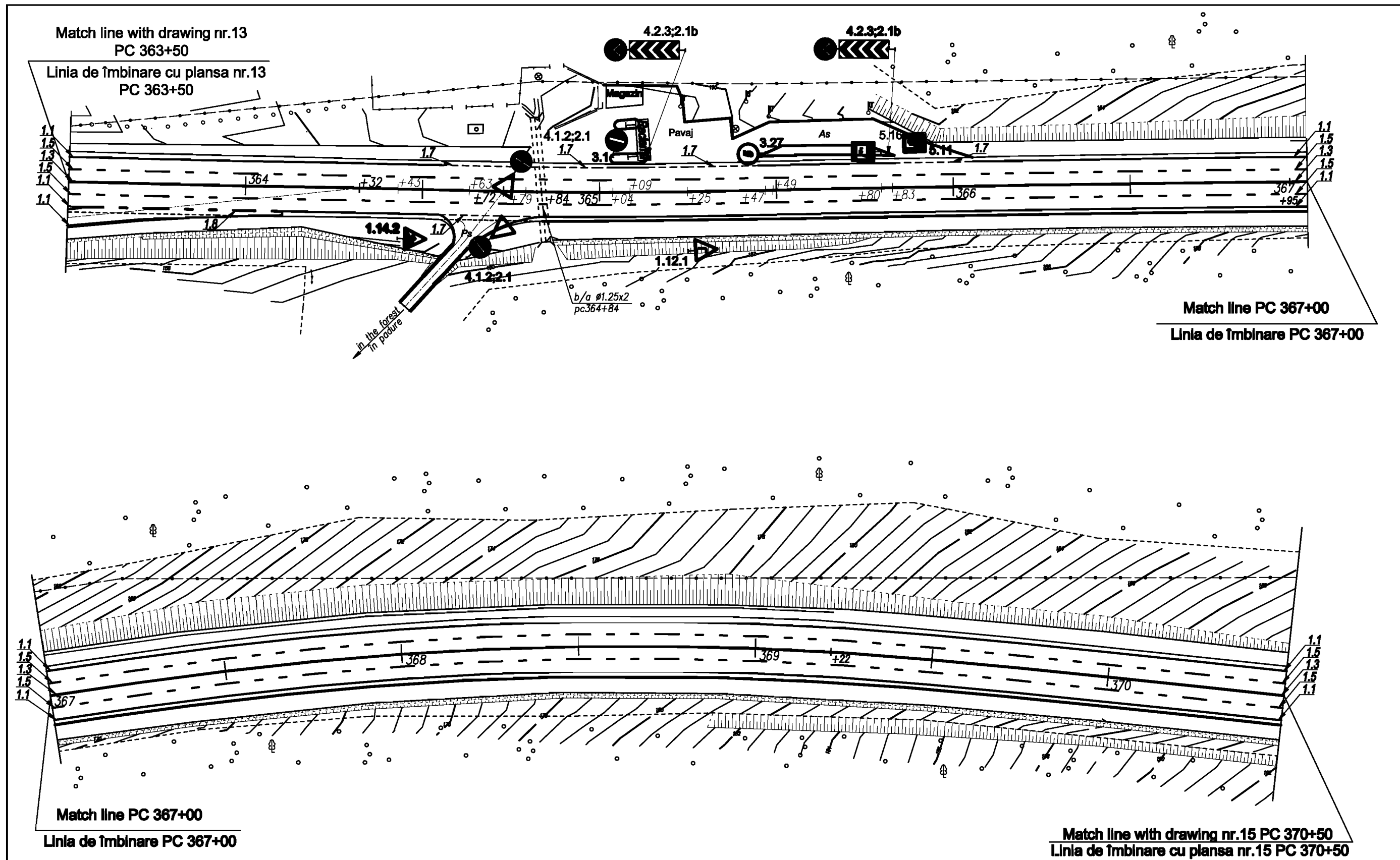


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme Support Project						
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 349+50 - PC 356+50		Designed	Plinschi	Scale	1:1000
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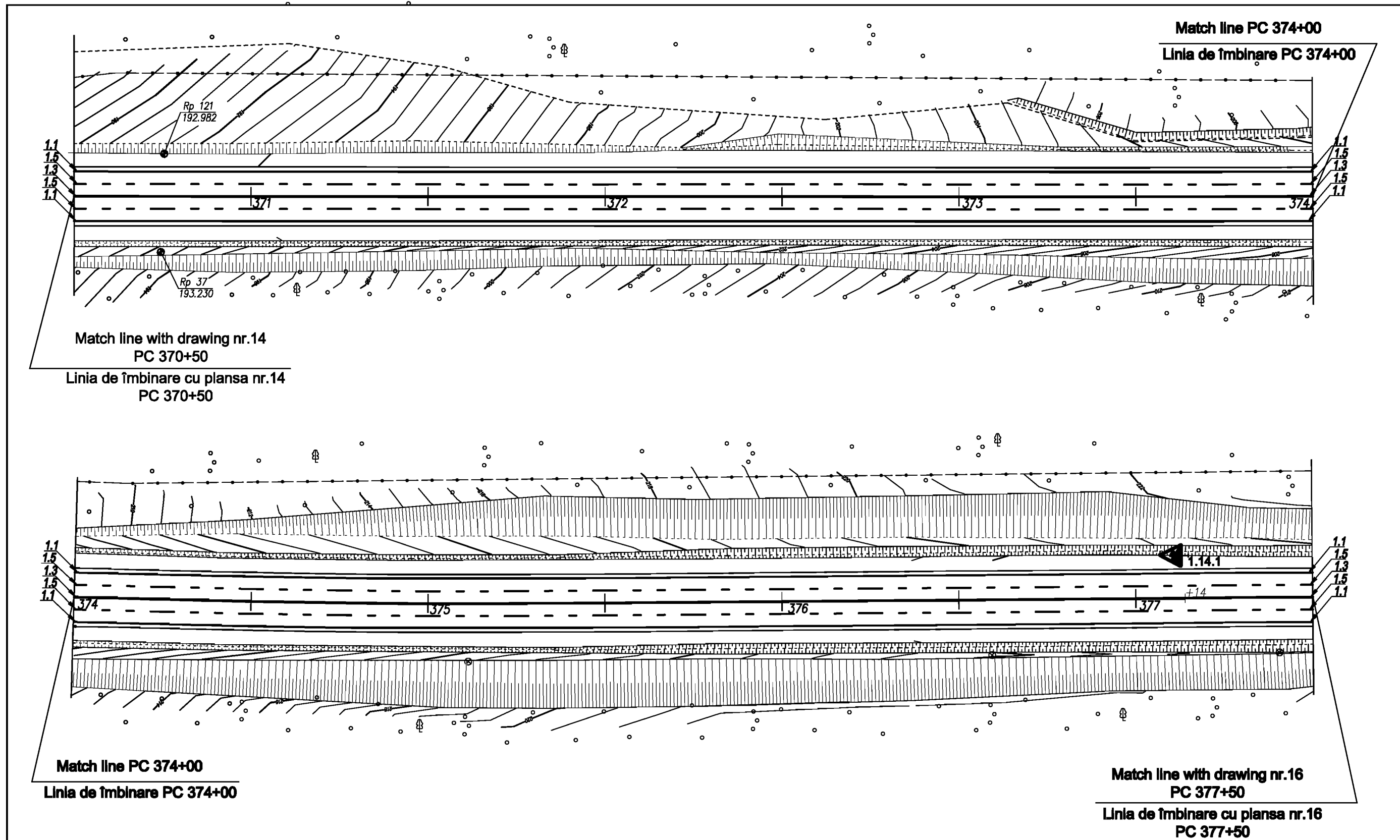




EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project		Rehabilitation of M2 Road Chișinău-Sărățeni			
Roughton International	ISP	Bogza	Date	12.2007	
TRL	Designed	Plinschi	Scale	1:1000	
Blizzard	Checked	Bogza	Drawing		
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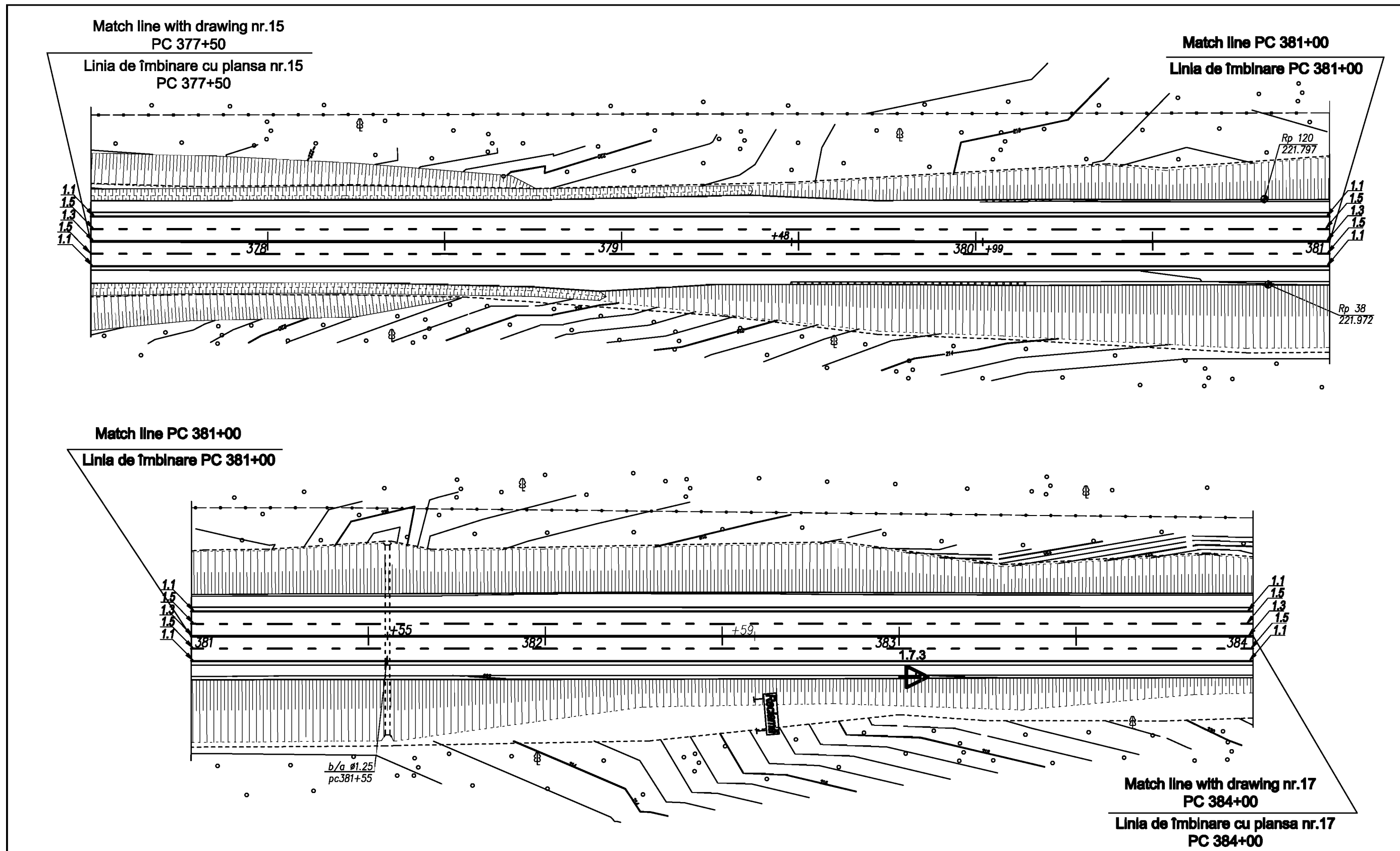


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 363+50 - PC 370+50	Designed	Plinschi	Scale	1:1000
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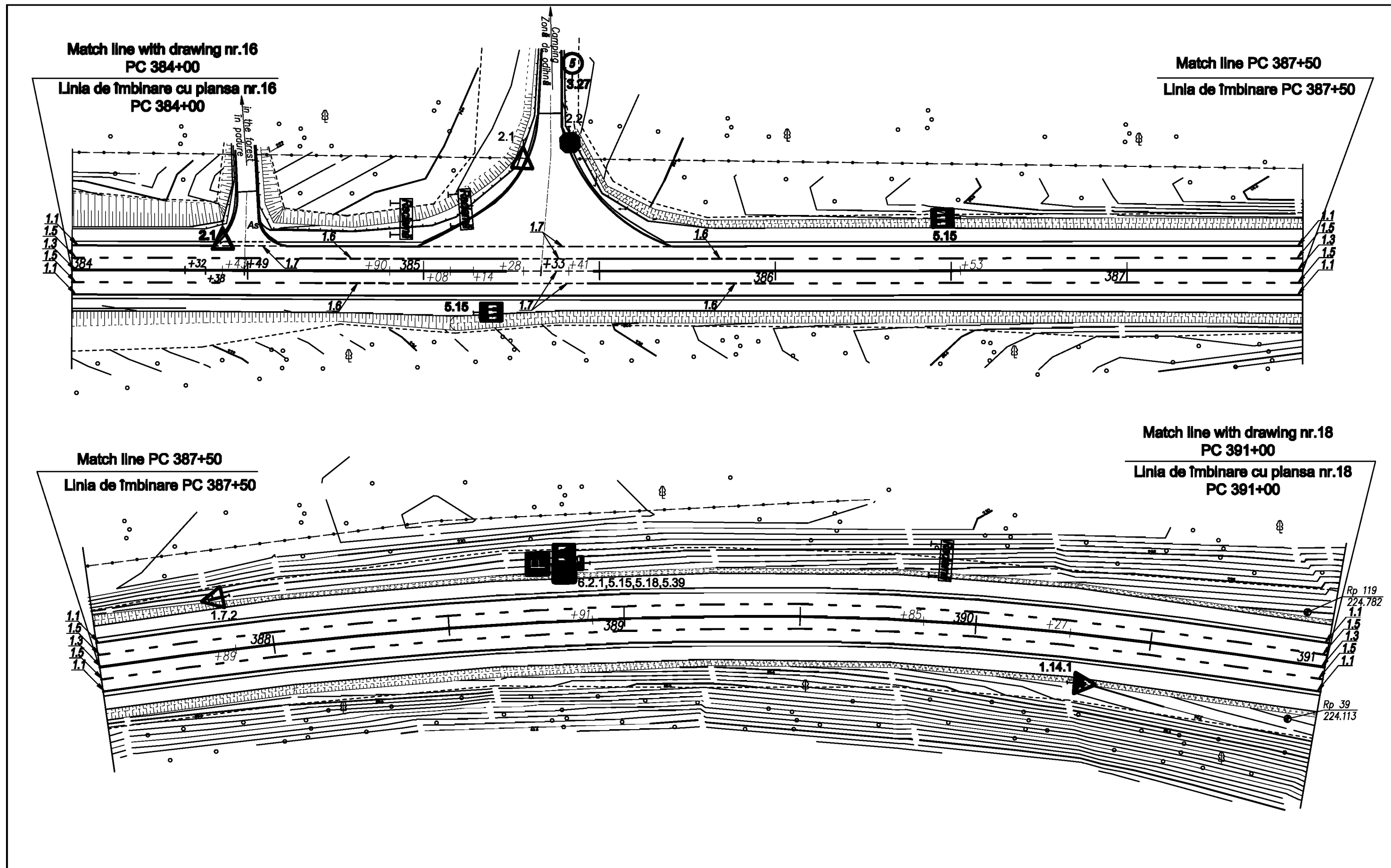


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 370+50 - PC 377+50		Designed	Plinschi	Scale	1:1000
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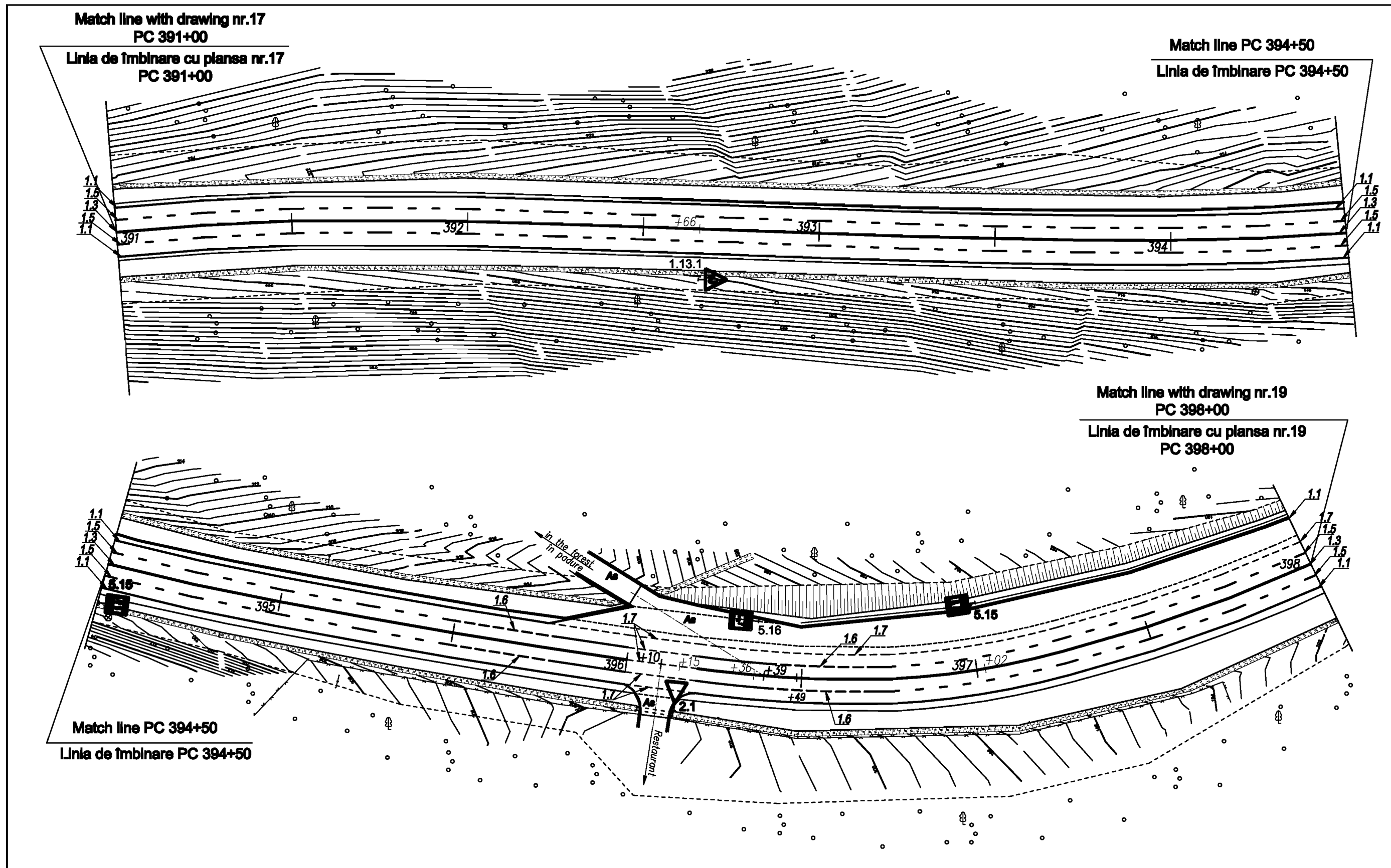




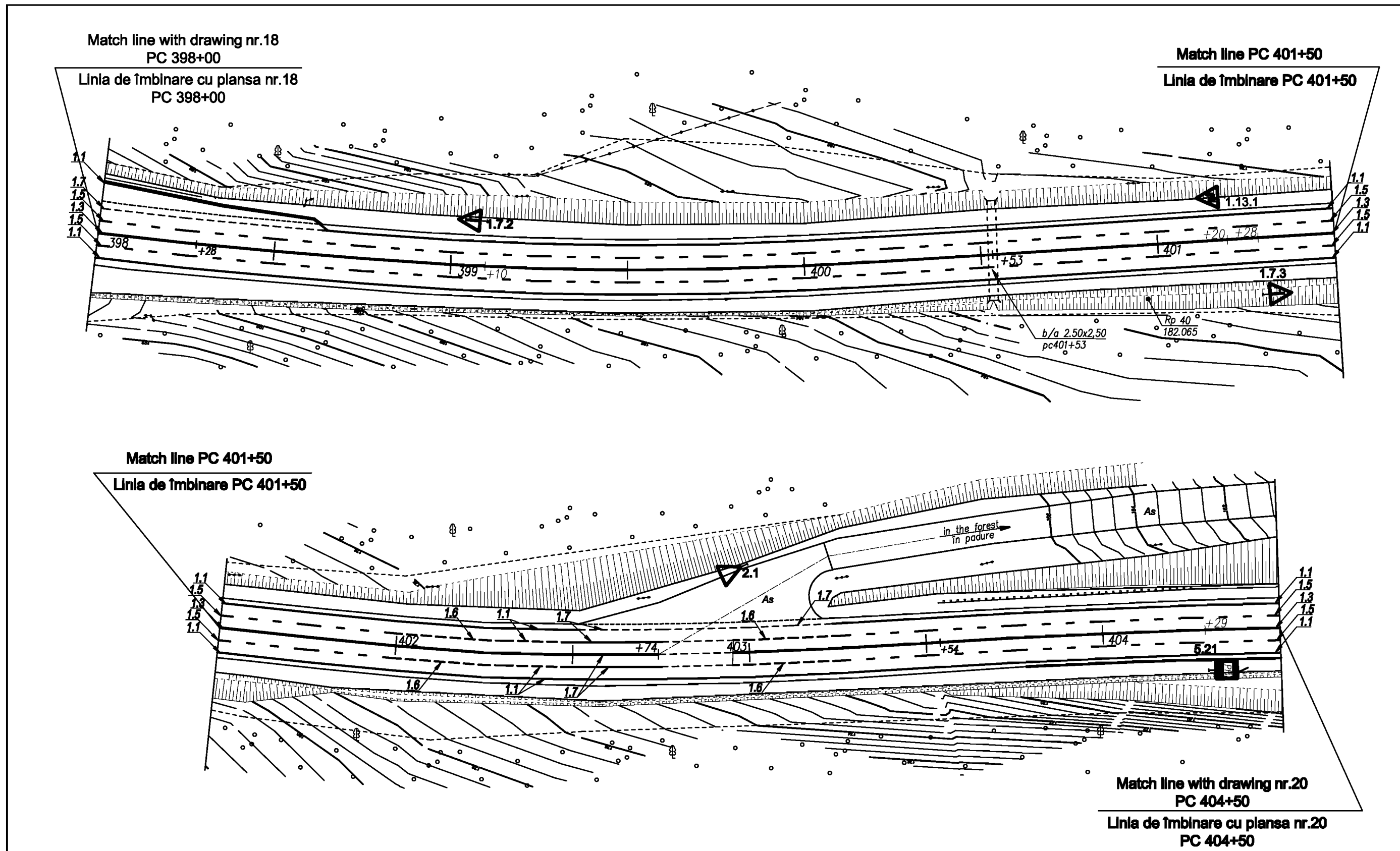
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 377+50 - PC 384+00	Designed	Plinschi	Scale	1:1000
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		Control STAS	Belic		



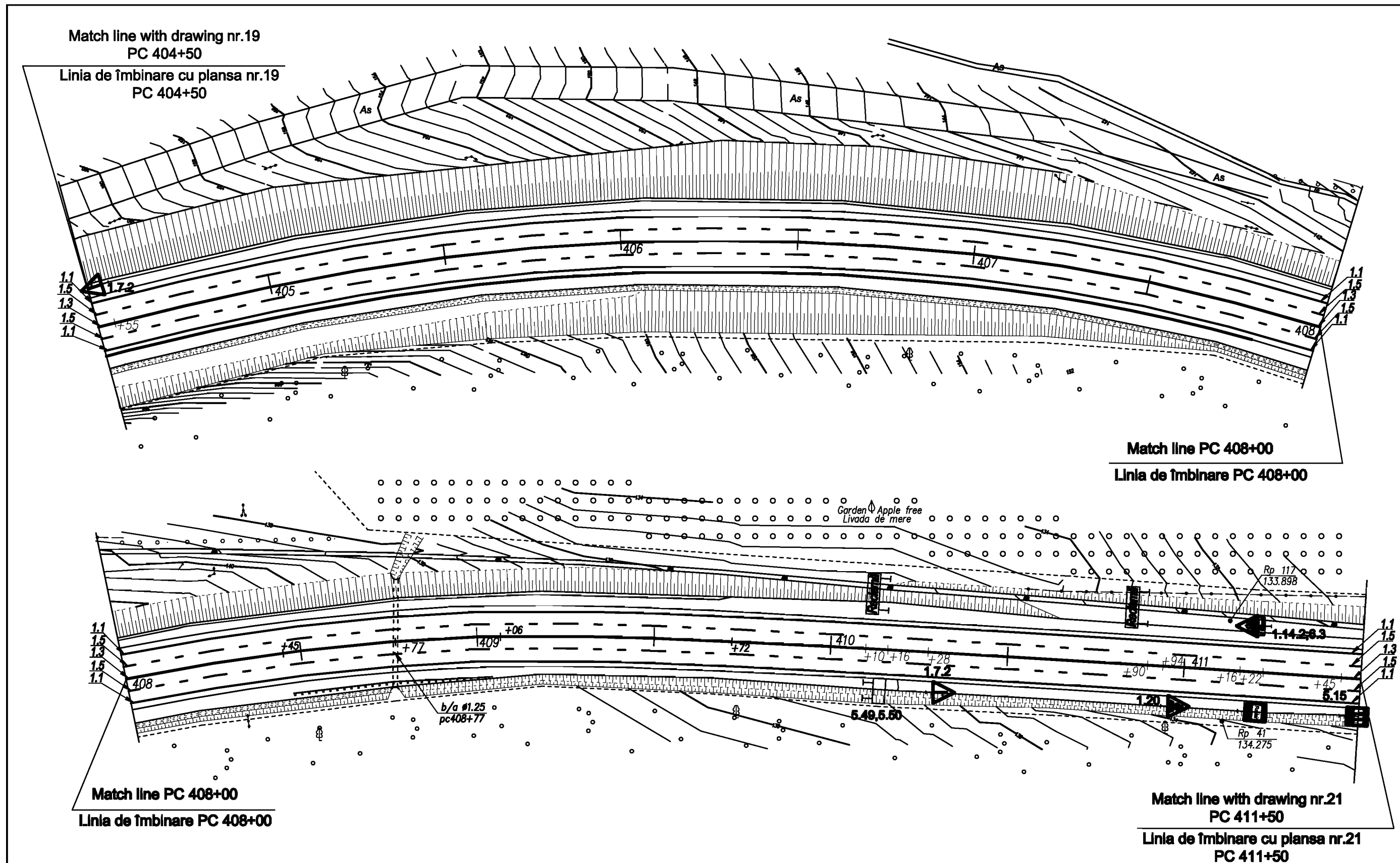
<b>EBRD</b>	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 384+00 - PC 391+00</b>		Designed	Plinschi	Scale	1:1000
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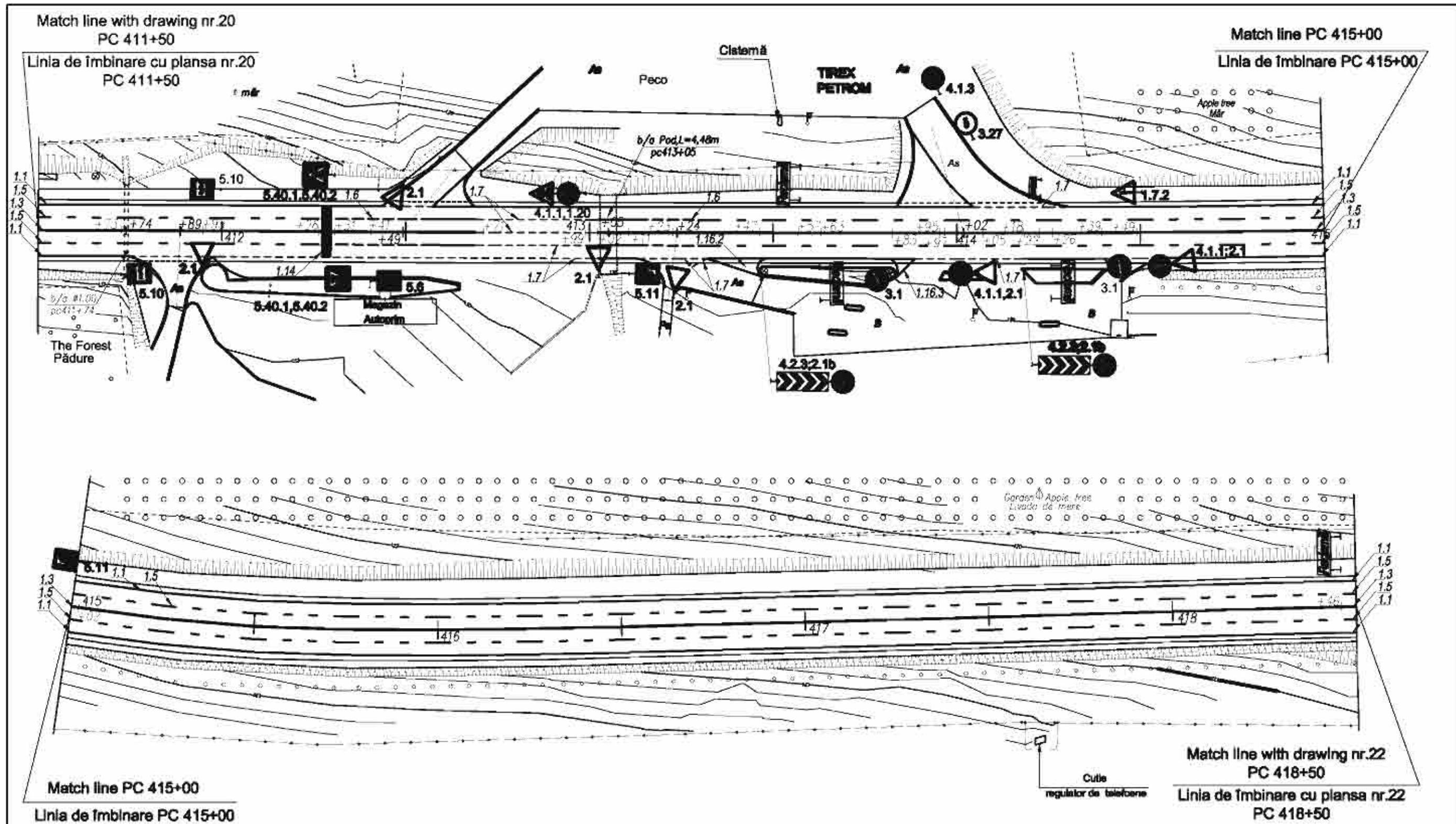
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
	<b>Road Sector Programme</b>	<b>Support Project</b>			
Roughton International	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Plinschi	Scale	1:1000
Blizzard	<b>Planul organizarii circulatiei rutiere PC 391+00 - PC 398+00</b>	Checked	Bogza	Drawing	
Universcons		Control STAS	Belic	<b>POCR-DA-18</b>	



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project		Rehabilitation of M2 Road Chisinau-Sărăteni			
Roughton International TRL Blizzard Universcons	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 398+00 - PC 404+50	ISP Designed Checked Control STAS	Bogza Plinschi Bogza Belic	Date Scale Drawing	12.2007 1:1000 POCR-DA-19

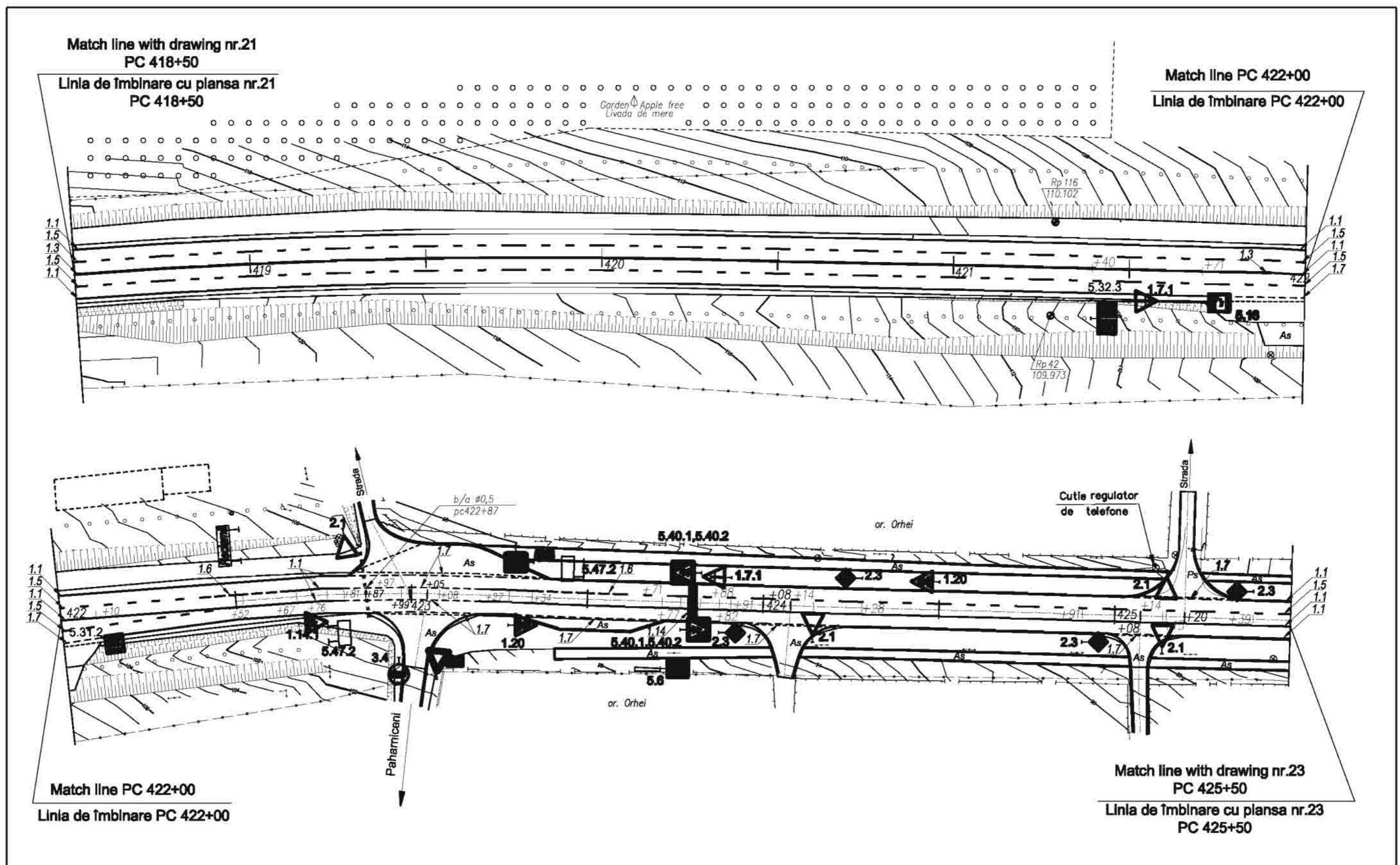


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
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		Control STAS	Belic		

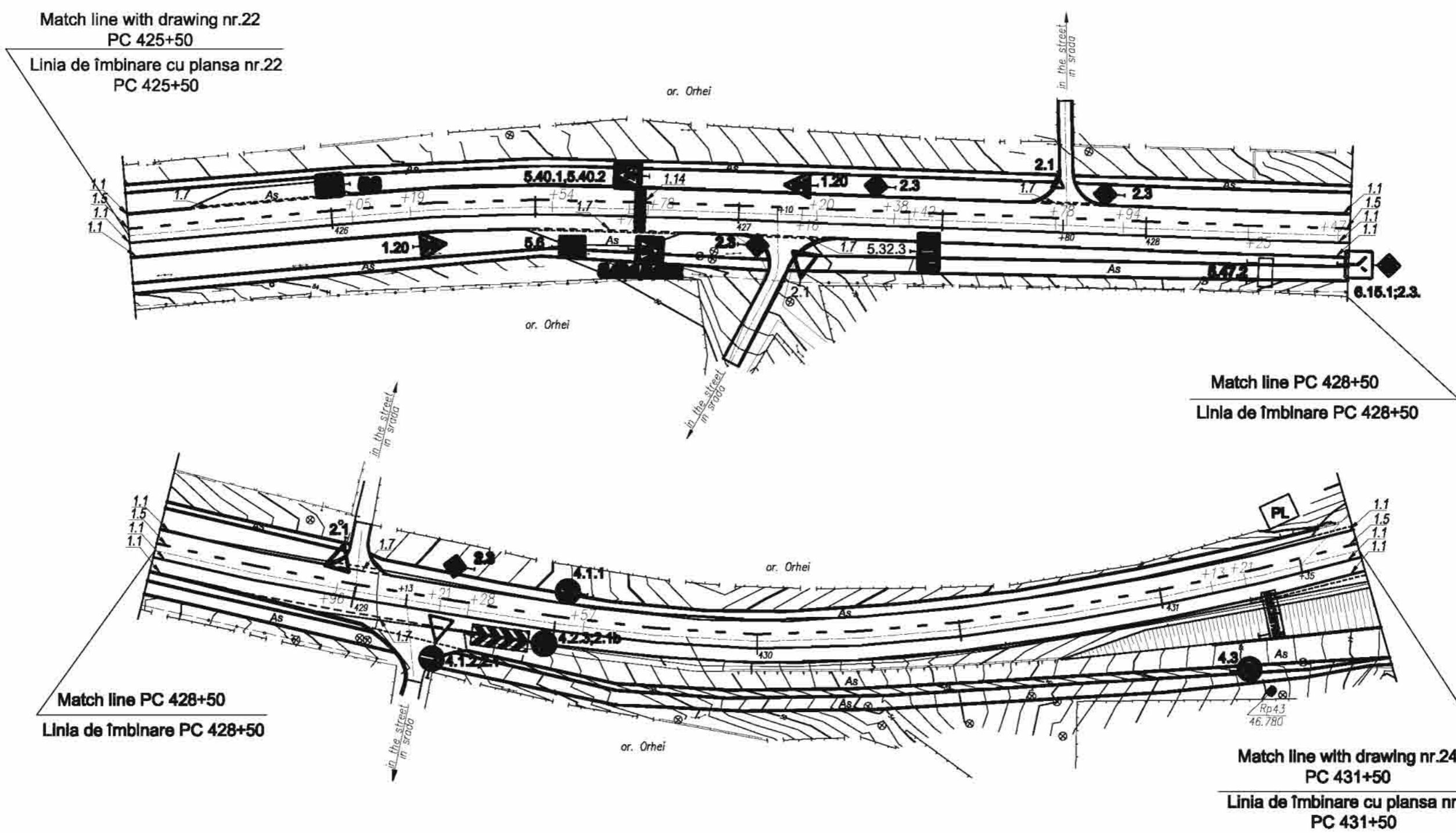


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizării circulației rutiere PC 411+50 - PC 418+50		Designed	Plinschi	Scale	1:1000
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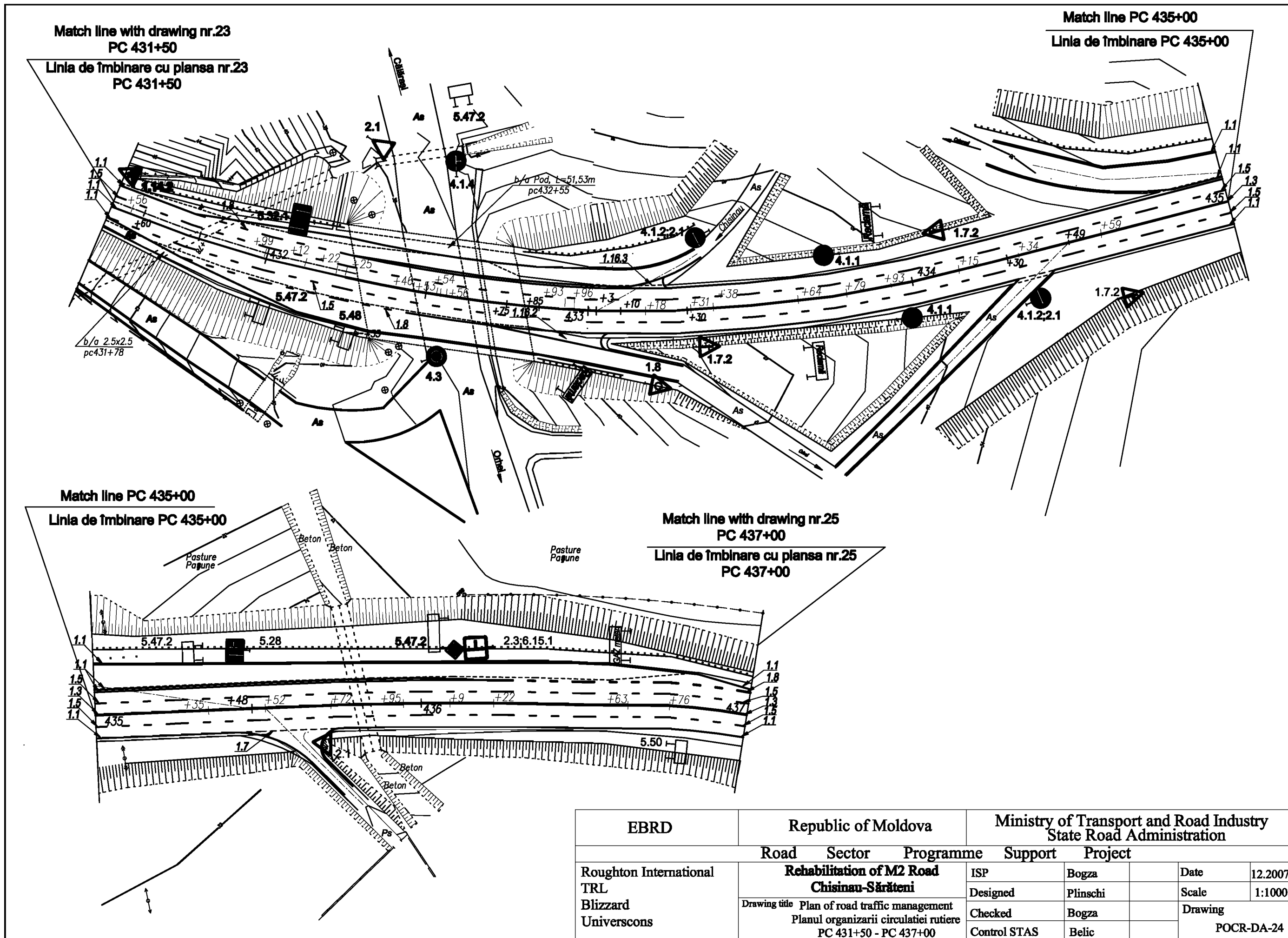


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 418+50 - PC 425+50	Designed	Plinschi	Scale	1:1000
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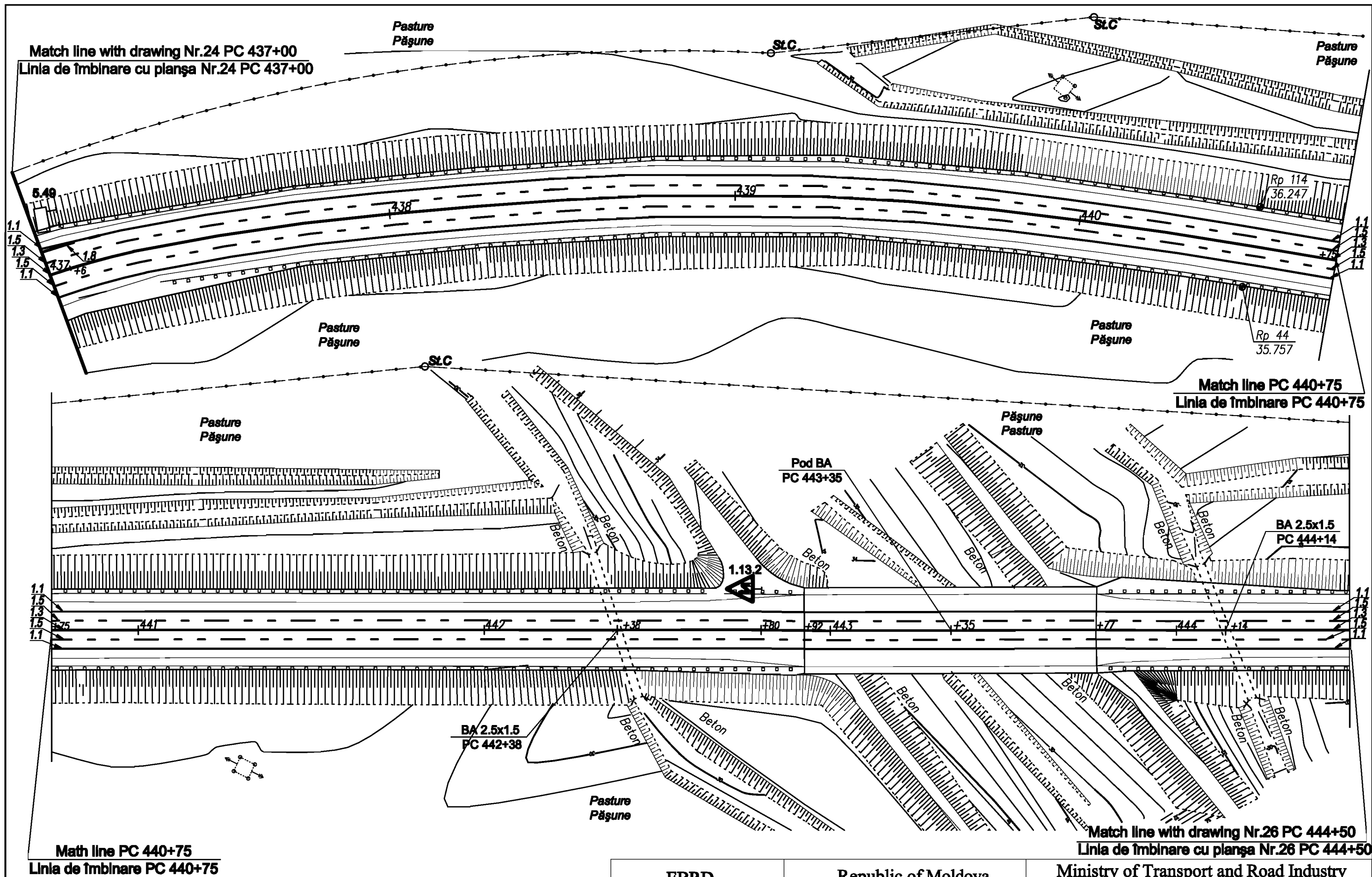


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 425+50 - PC 431+50	Designed	Plinschi	Scale	1:1000
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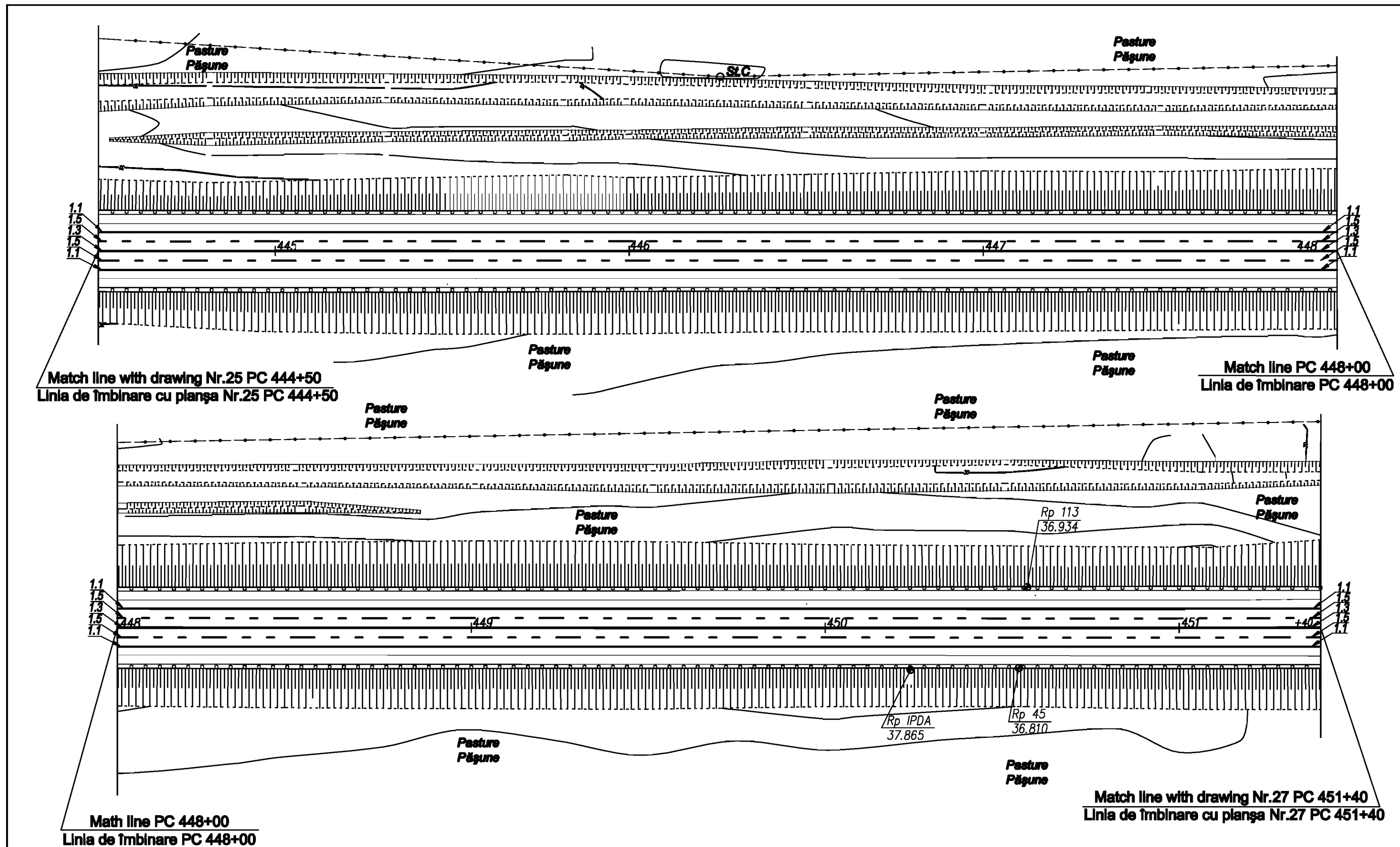




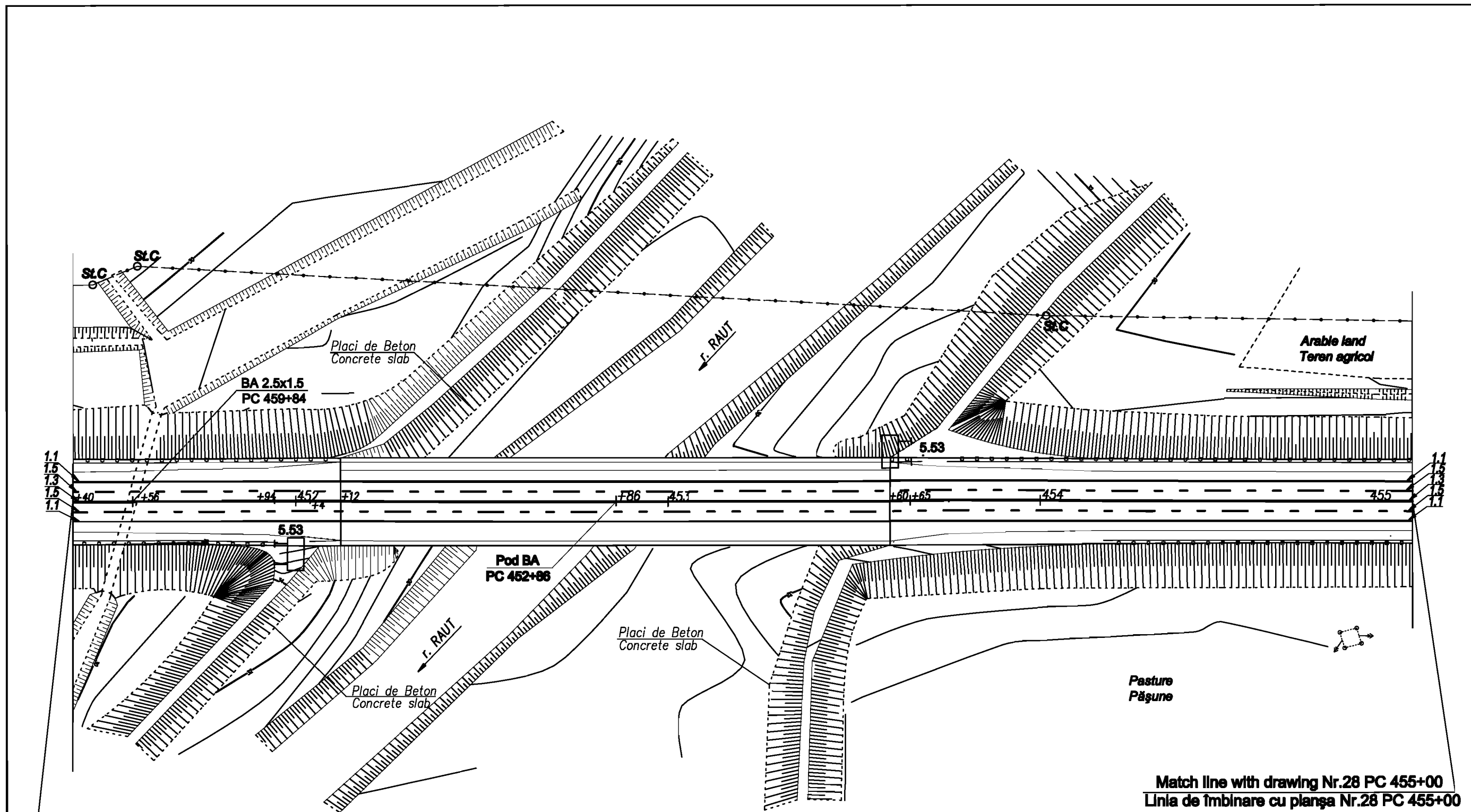
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 431+50 - PC 437+00		Designed	Plinschi	Scale	1:1000
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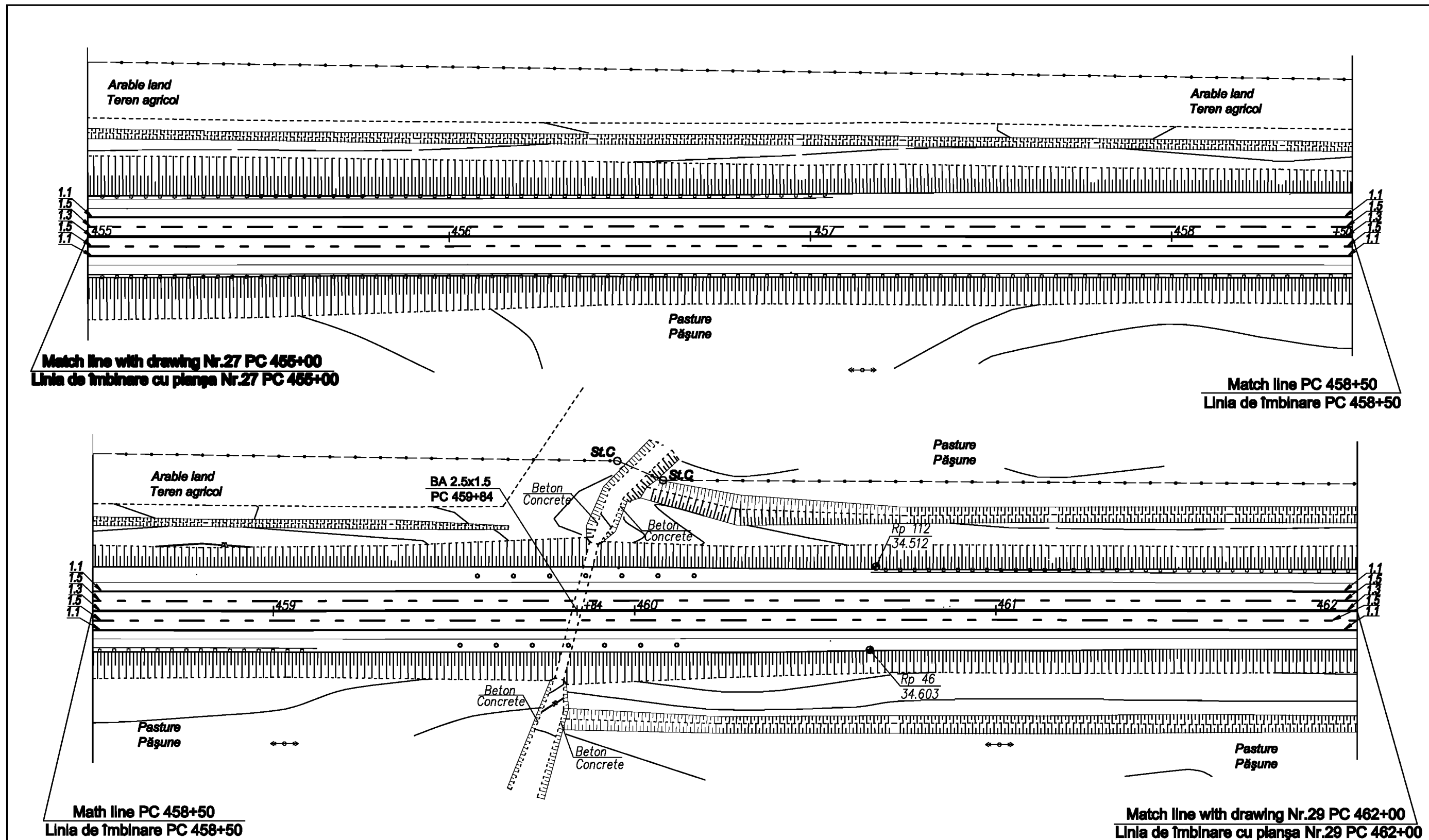
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 437+00 - PC 444+50</b>		Designed	Plinschi	Scale	1:1000
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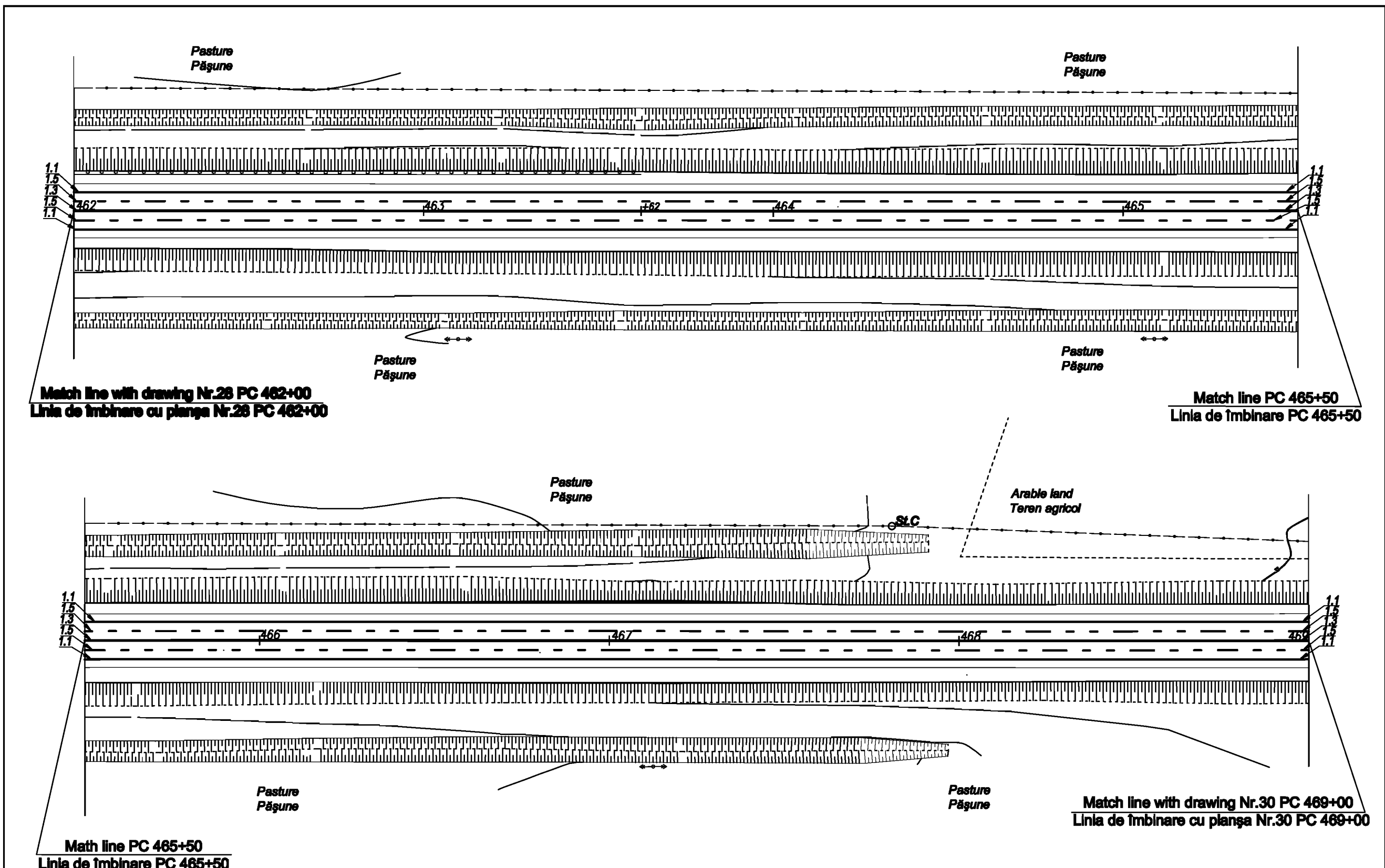
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007	
		Designed	Plinschi	Scale	1:1000	
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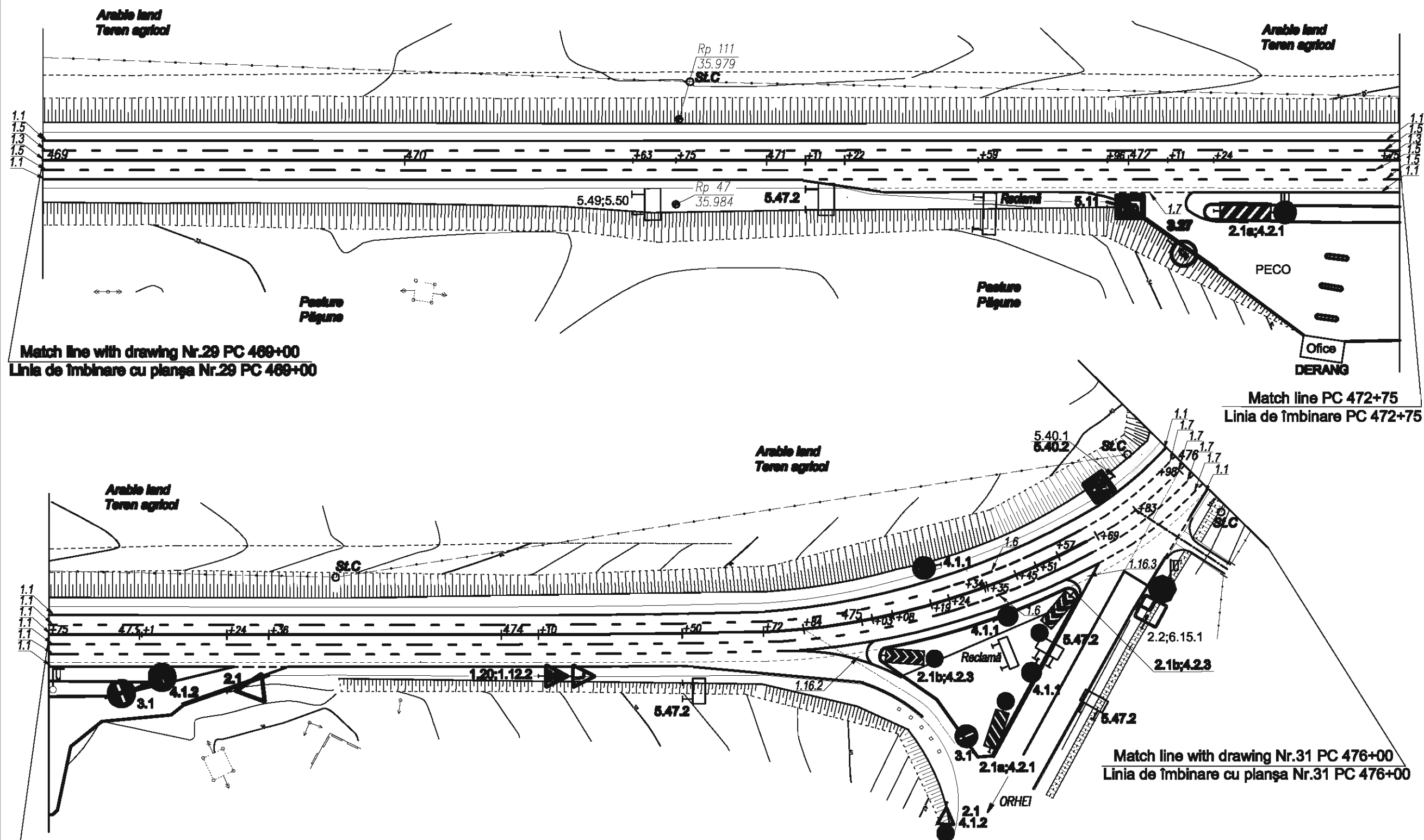
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 451+40 - PC 455+00	Designed	Plinschi	Scale	1:1000
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		Control STAS	Belic		



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
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<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme</b>		<b>Support Project</b>			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 462+00 - PC 469+00</b>	Designed	Plinschi	Scale	1:1000
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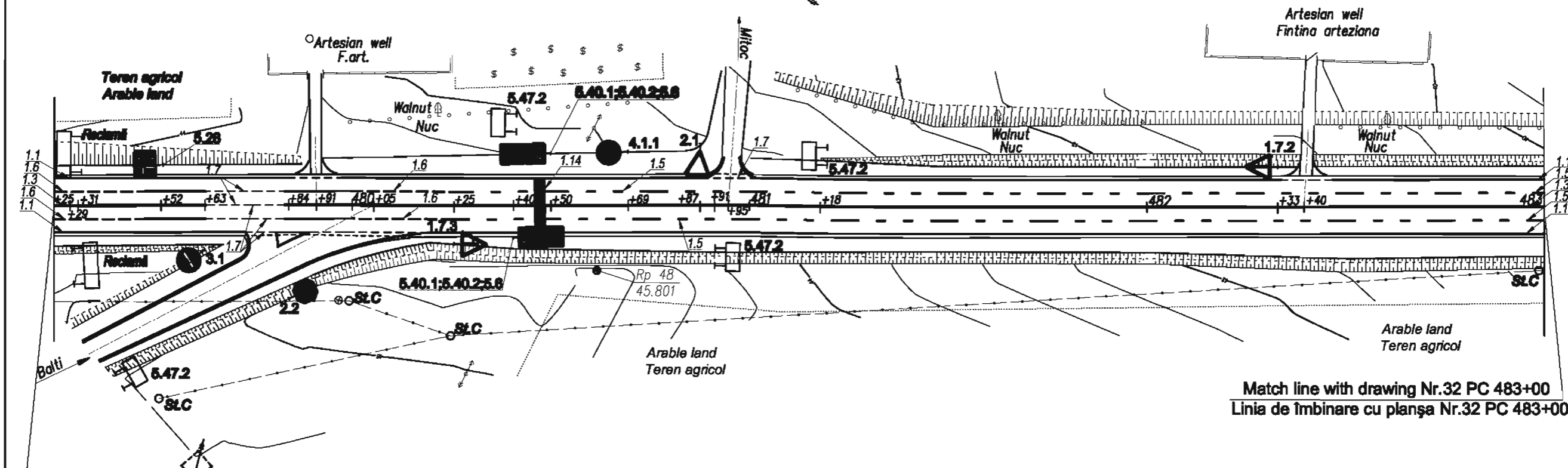
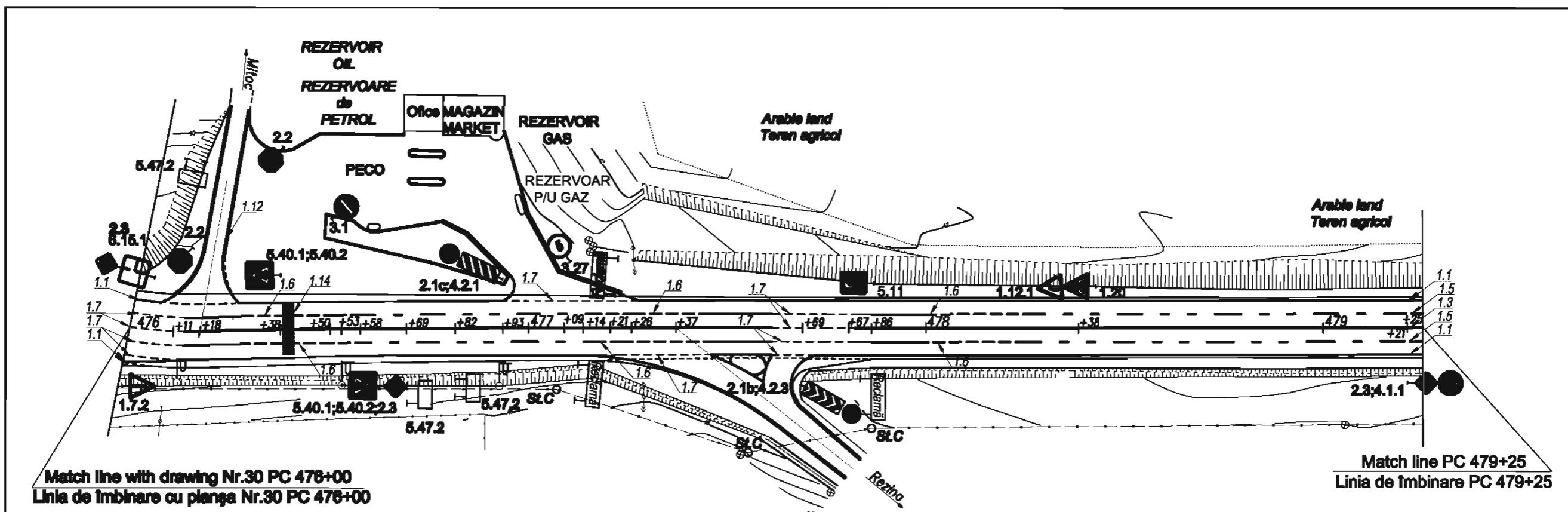
Match line with drawing Nr.29 PC 469+00  
 Linia de îmbinare cu planșa Nr.29 PC 469+00

Match line PC 472+75  
 Linia de îmbinare PC 472+75

Match line with drawing Nr.31 PC 476+00  
 Linia de îmbinare cu planșa Nr.31 PC 476+00

Math line PC 472+75  
 Linia de îmbinare PC 472+75

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Skhitani</b>		ISP	Bogza	Date
	Drawing title: Plan of road traffic management Planul organizarii circulatiei rutiere PC 469+00 - PC 476+00		Designed	Plinschi	Scale
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				Date	12.2007
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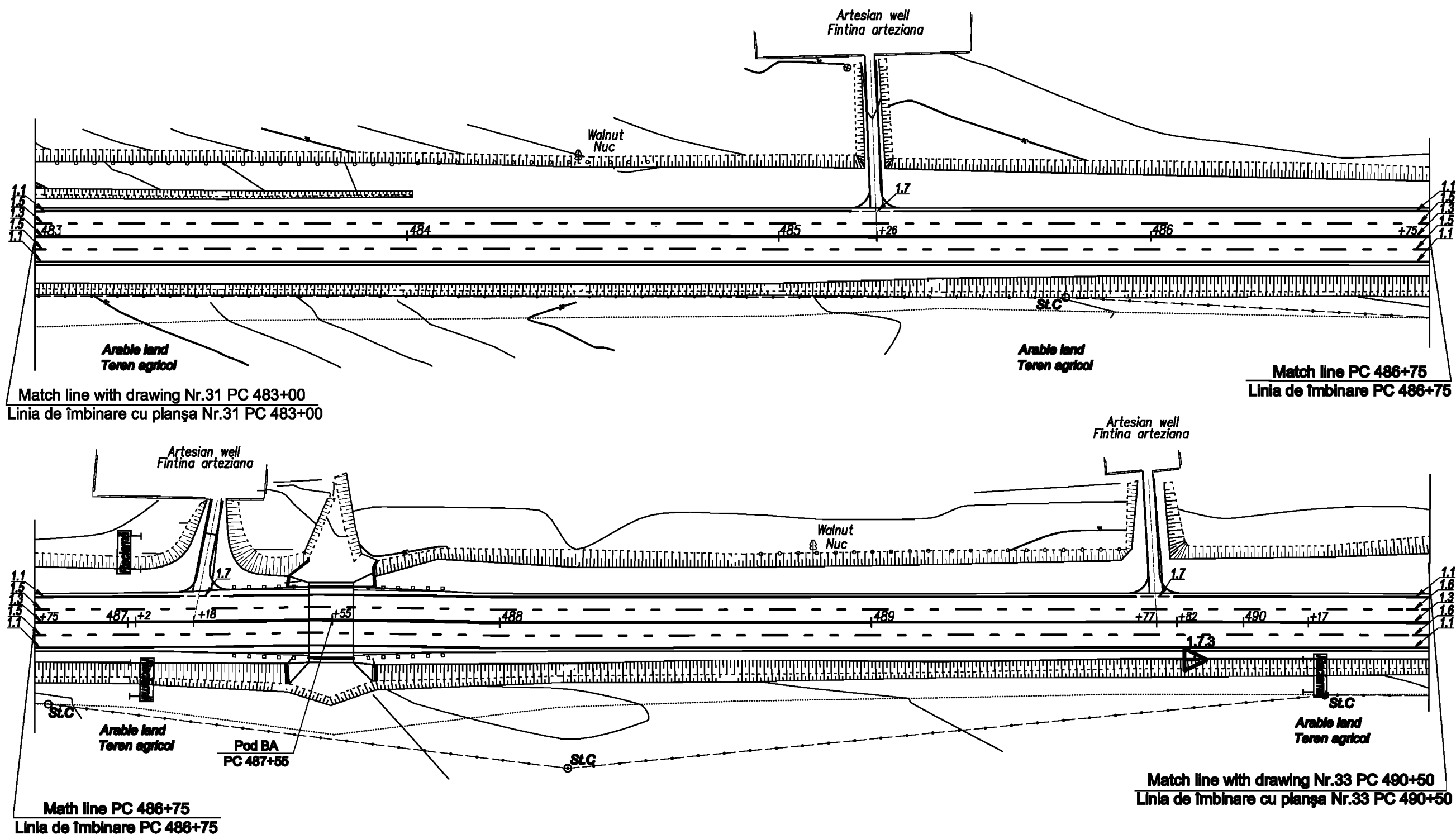


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Linia de imbinare PC 479+25

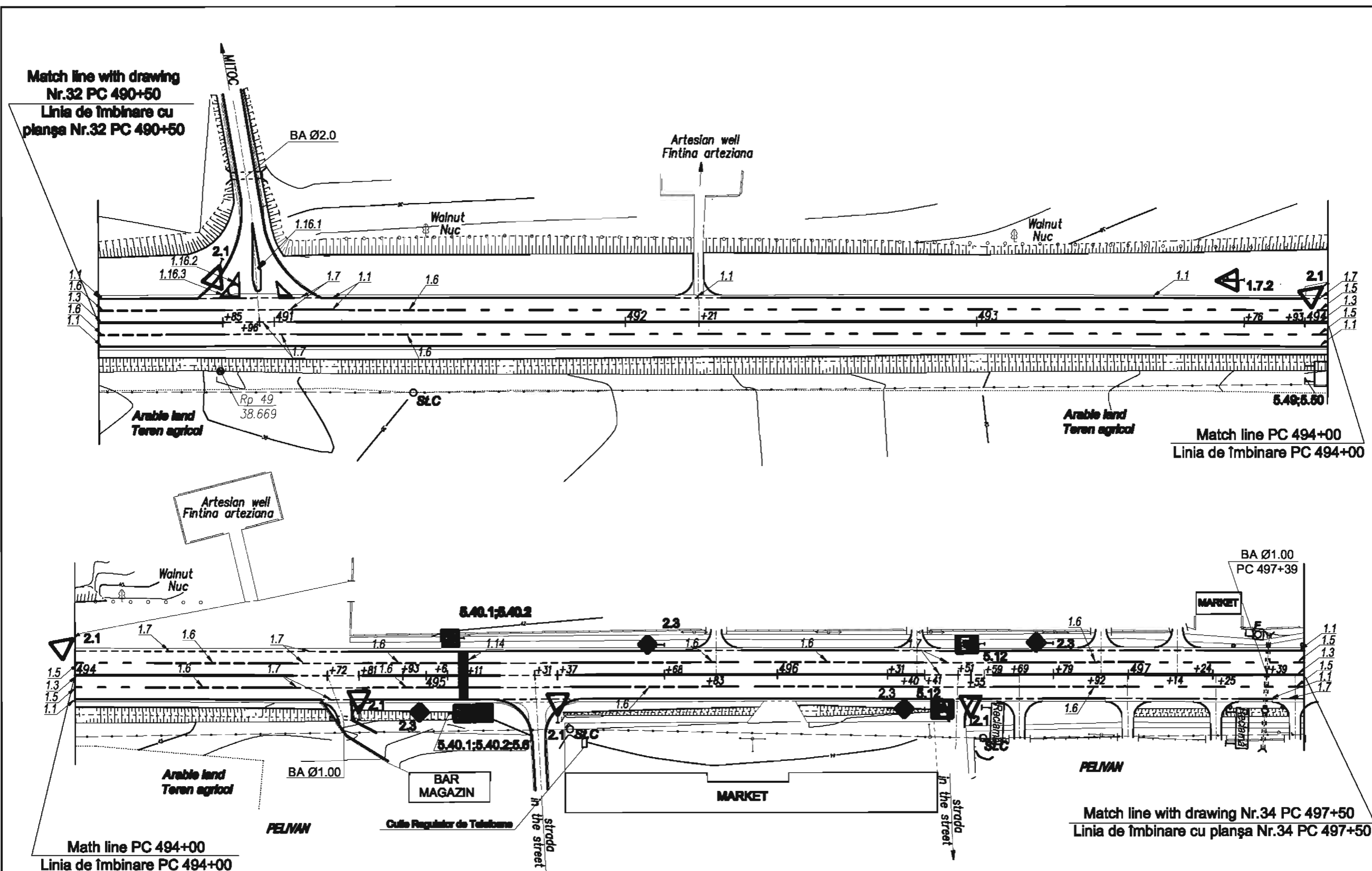
Match line with drawing Nr.32 PC 483+00  
Linia de imbinare cu planşa Nr.32 PC 483+00

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Skrittreni</b>	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 476+00 - PC 483+00	Designed	Plinschi	Scale	1:1000
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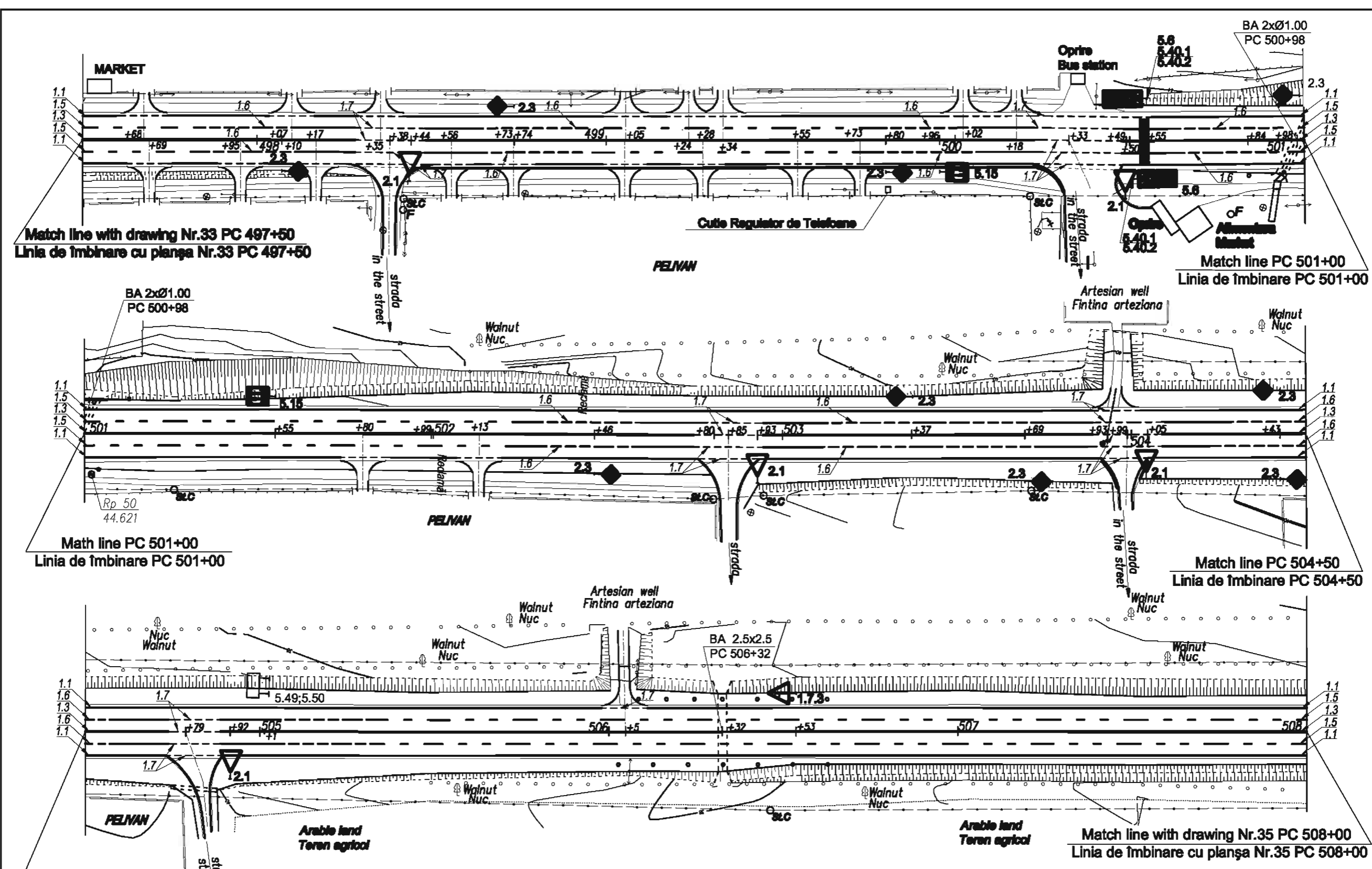




<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
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EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	Rehabilitation of M2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 490+50 - PC 497+50	Designed	Plinschi	Scale	1:1000
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		Control STAS	Belic		PD-DA-33



Match line with drawing Nr.33 PC 497+50  
Linia de îmbinare cu planşa Nr.33 PC 497+50

Match line PC 501+00  
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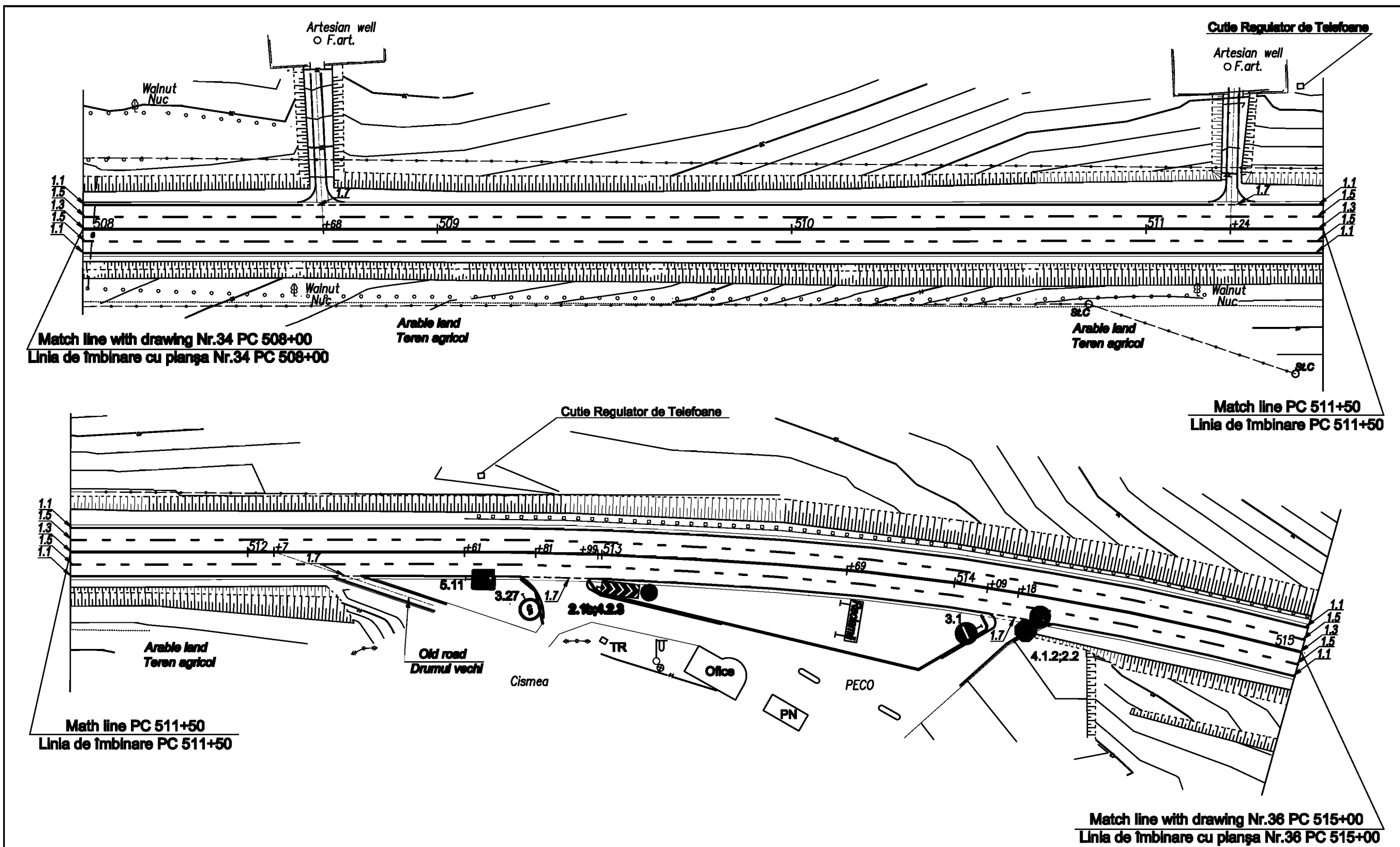
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Linia de îmbinare PC 501+00

Match line PC 504+50  
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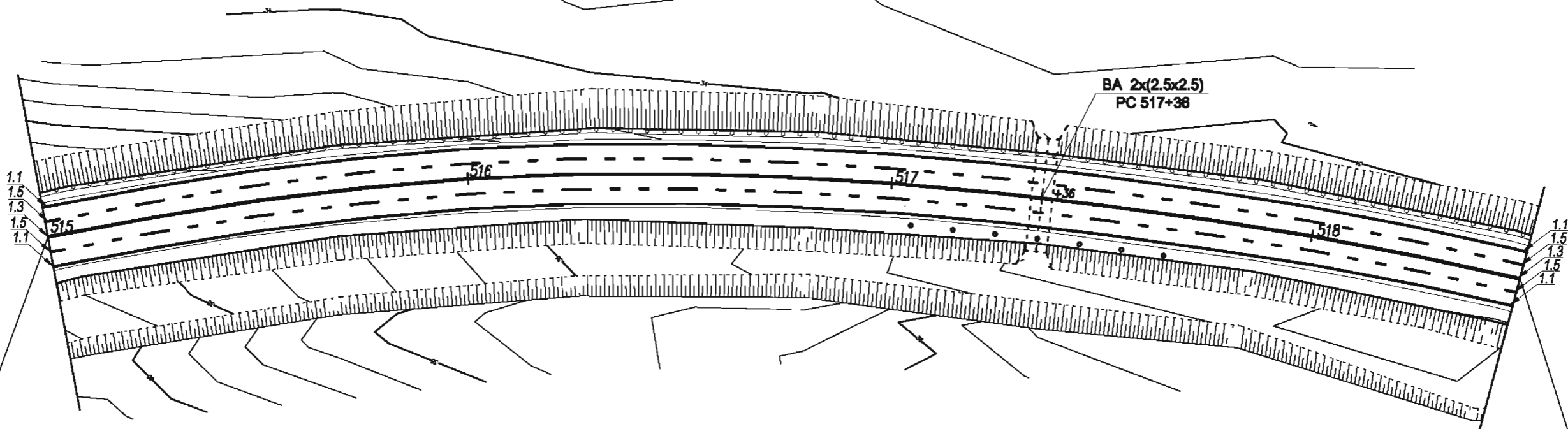
Math line PC 504+50  
Linia de îmbinare PC 504+50

Match line with drawing Nr.35 PC 508+00  
Linia de îmbinare cu planşa Nr.35 PC 508+00

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Săriteni</b>		ISP	Bogza	Date	12.2007
	Drawing title <b>Plan of road traffic management Planul organizării circulaţiei rutiere PC 497+50 - PC 508+00</b>		Designed	<b>Flinachi</b>	Scale	1:1000
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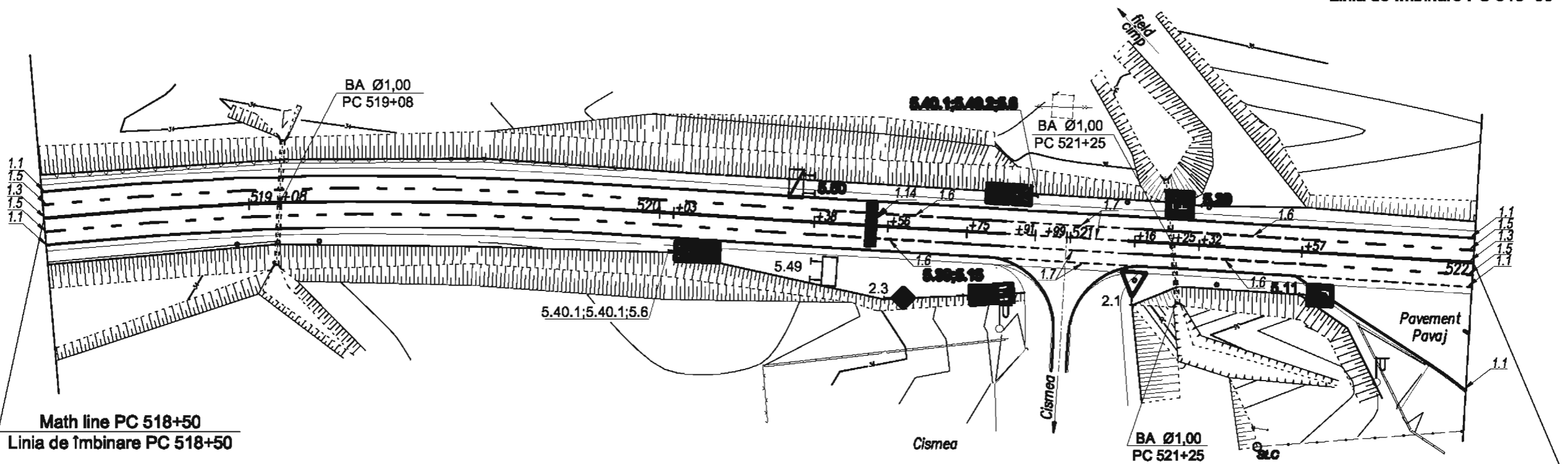


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 508+00 - PC 515+00</b>		Designed	Plinschi	Scale	1:1000
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			Control STAS	Belic		



Match line with drawing Nr.35 PC 515+00  
 Linia de îmbinare cu planşa Nr.35 PC 515+00

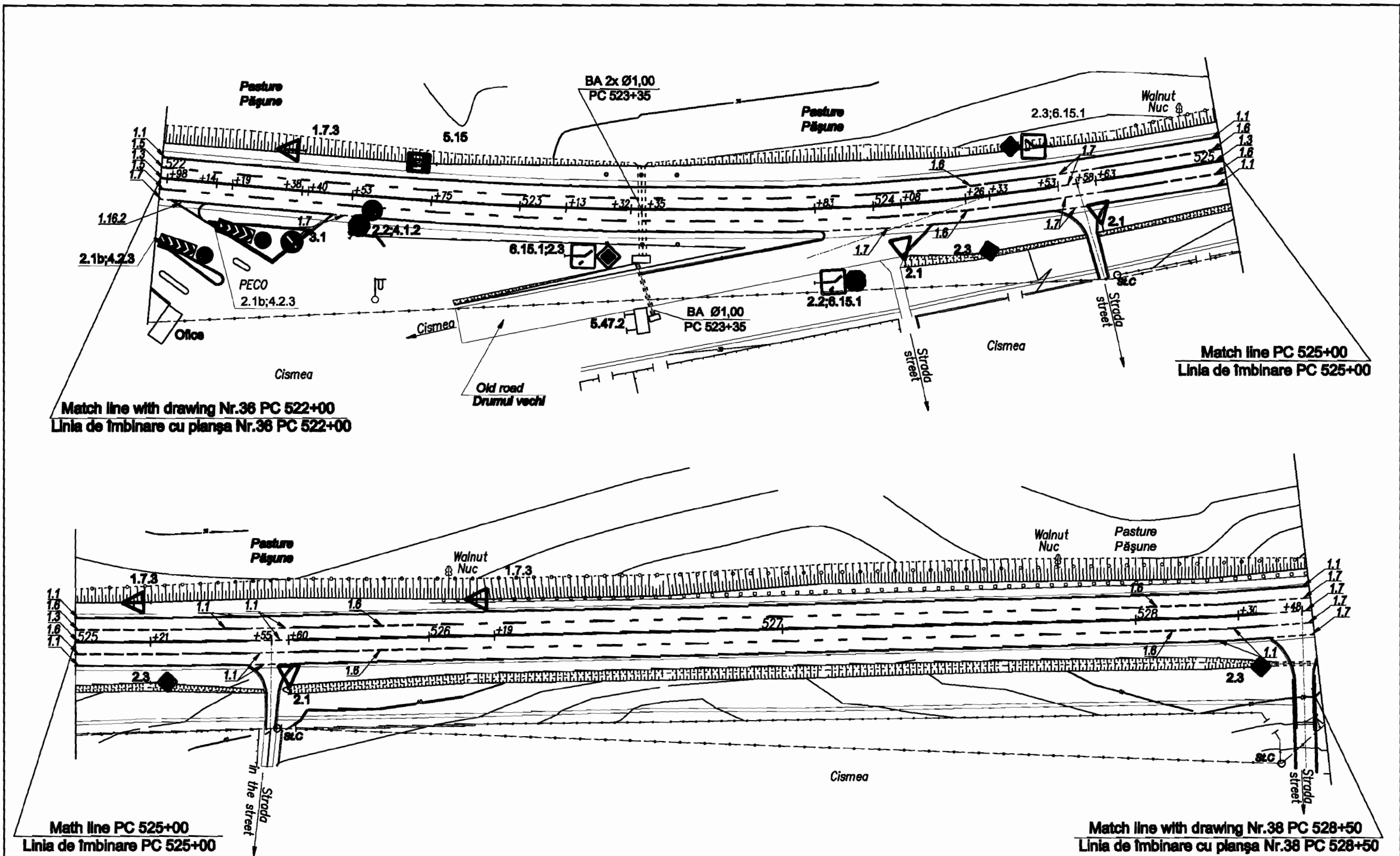
Match line PC 518+50  
 Linia de îmbinare PC 518+50



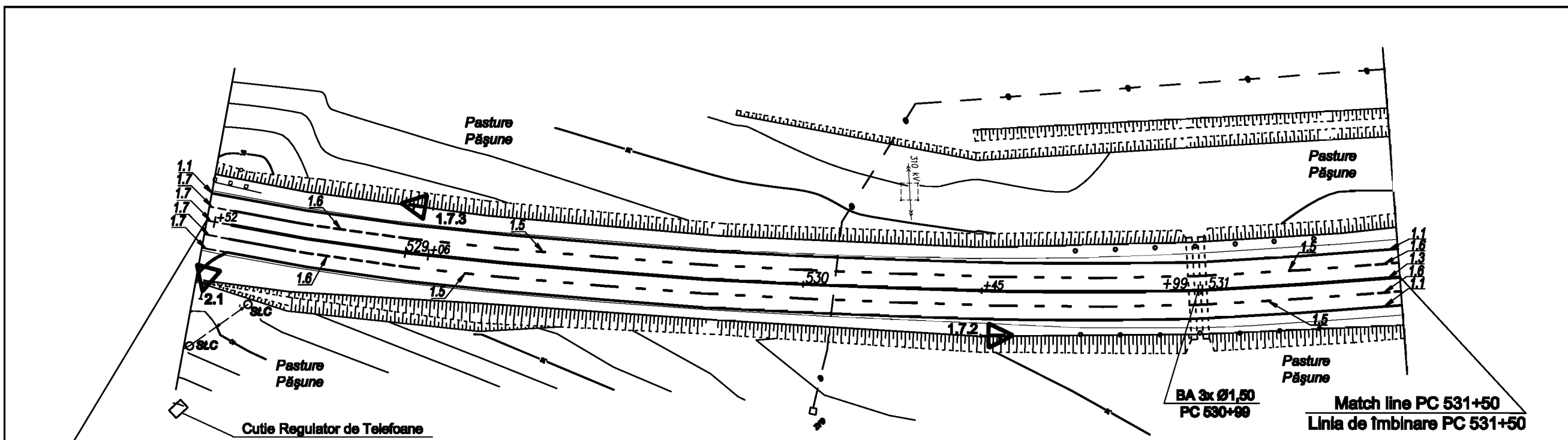
Math line PC 518+50  
 Linia de îmbinare PC 518+50

Match line with drawing Nr.37 PC 522+00  
 Linia de îmbinare cu planşa Nr.37 PC 522+00

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Săriteni</b>		ISP	Bogza	Date	12.2007
	Drawing title Plan of road traffic management Planul organizarii circulatiei rutiere PC 515+00 - PC 522+00		Designed	Plinschi	Scale	1:1000
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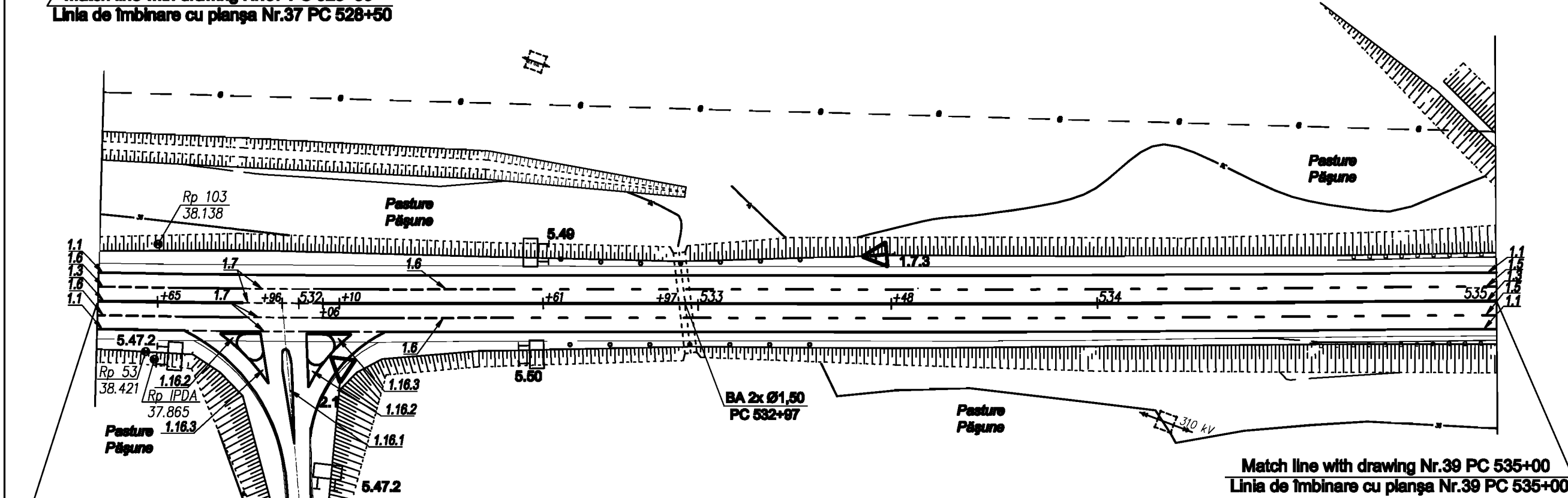


<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
	<b>Road Sector Programme Support Project</b>				
Roughton International	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b> Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 522+00 - PC 528+50</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Plinschi	Scale	1:1000
Blizzard		Checked	Bogza	Drawing	
Universcons		Control STAS	Belic		PD-DA-37



Match line with drawing Nr.37 PC 528+50  
Linia de îmbinare cu planșa Nr.37 PC 528+50

Match line PC 531+50  
Linia de îmbinare PC 531+50

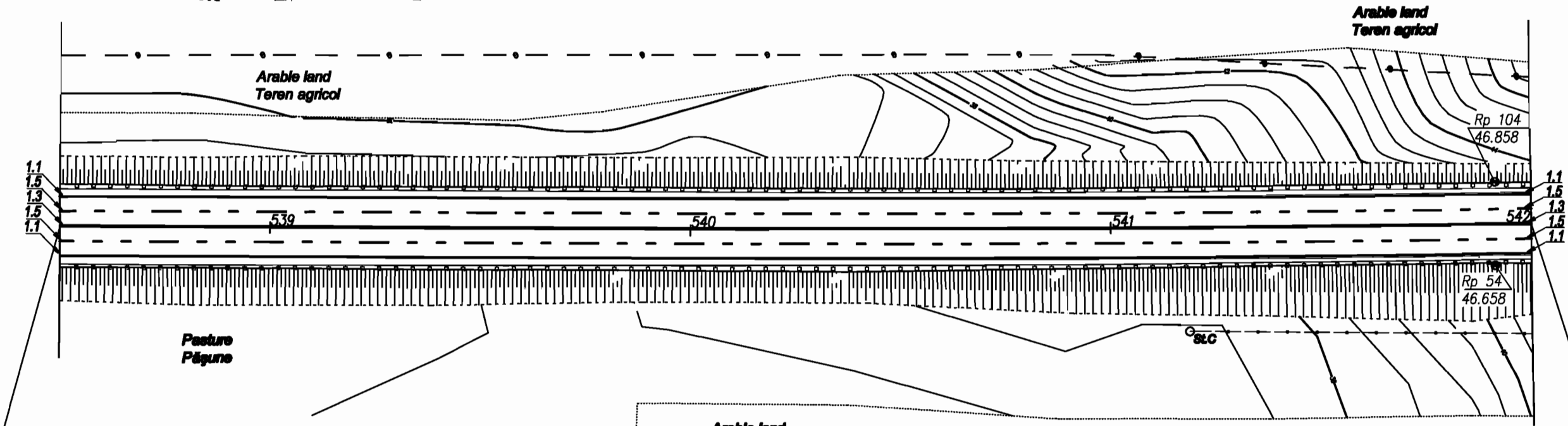
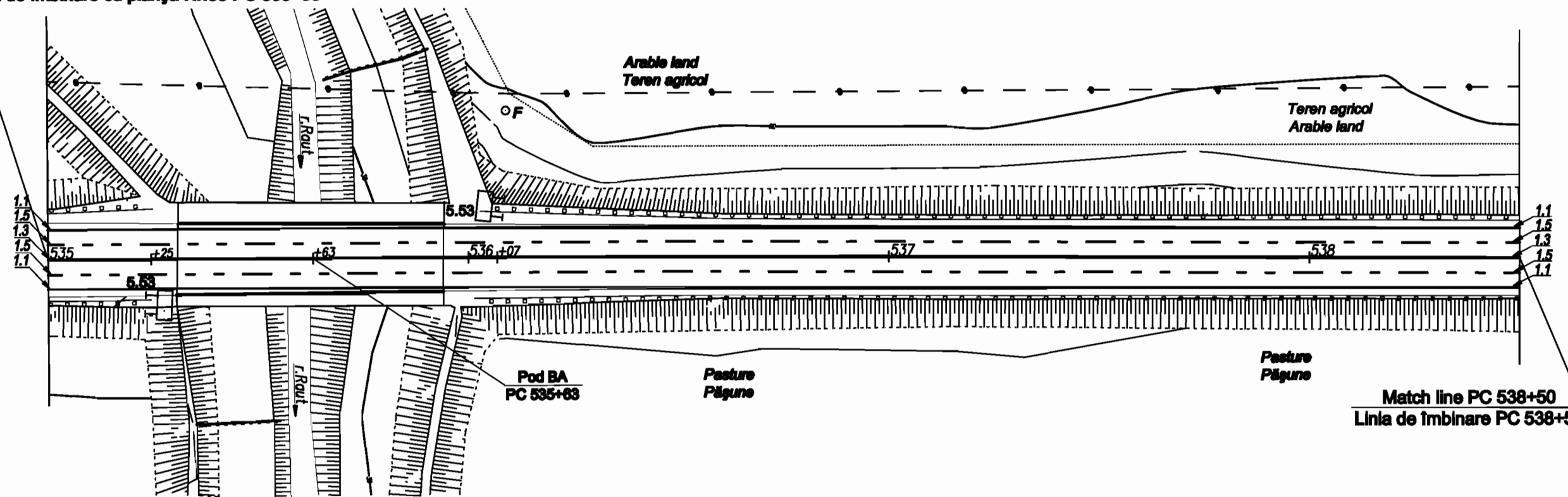


Match line PC 531+50  
Linia de îmbinare PC 531+50

Match line with drawing Nr.39 PC 535+00  
Linia de îmbinare cu planșa Nr.39 PC 535+00

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>		ISP	Bogza	Date	12.2007
	Drawing title: Plan of road traffic management Planul organizarii circulatiei rutiere PC 528+50 - PC 535+00		Designed	Plinschi	Scale	1:1000
			Checked	Bogza	Drawing	
			Control STAS	Belic		PD-DA-38

Match line with drawing Nr.38 PC 535+00  
 Linia de îmbinare cu planșa Nr.38 PC 535+00

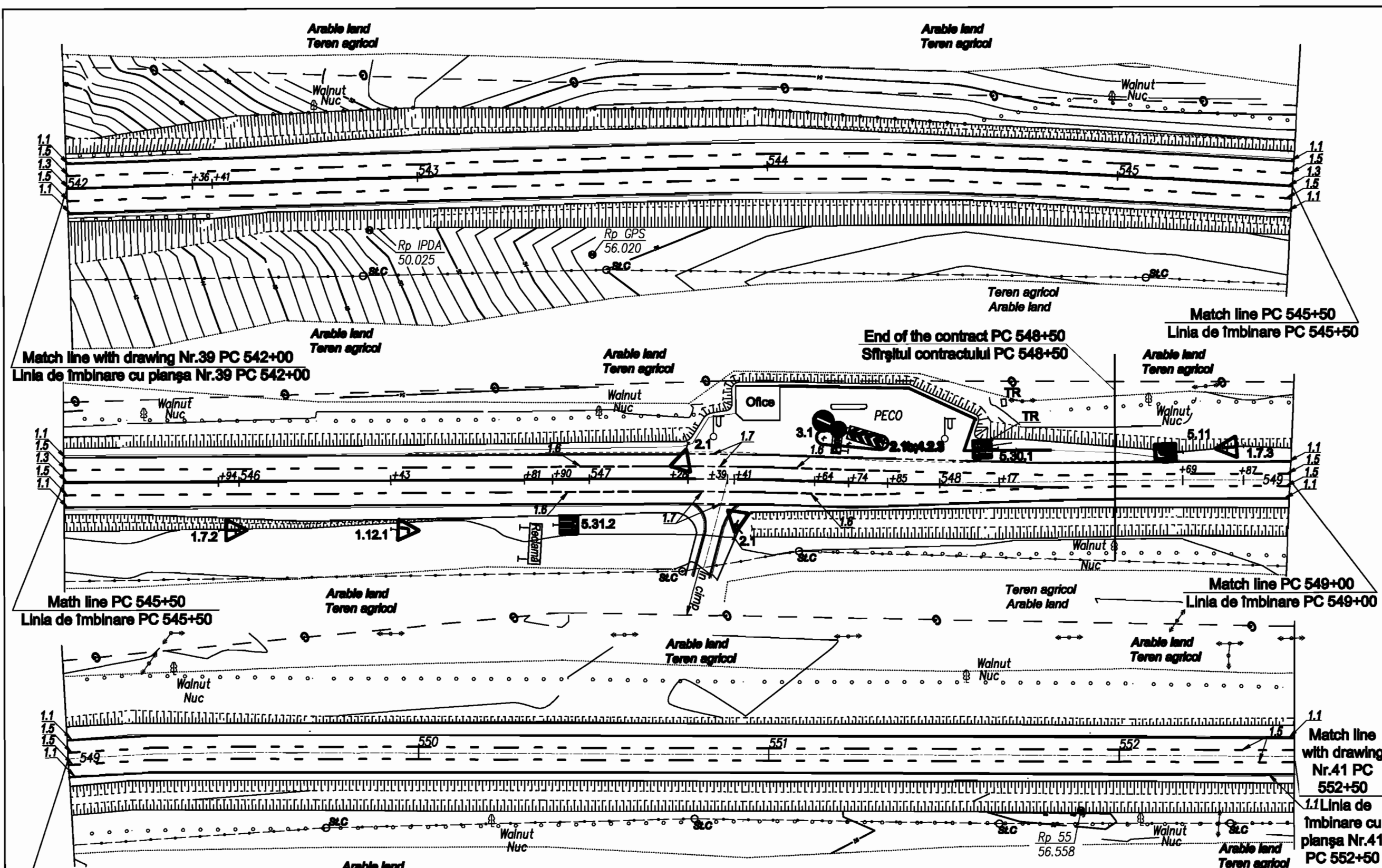


Match line PC 538+50  
 Linia de îmbinare PC 538+50

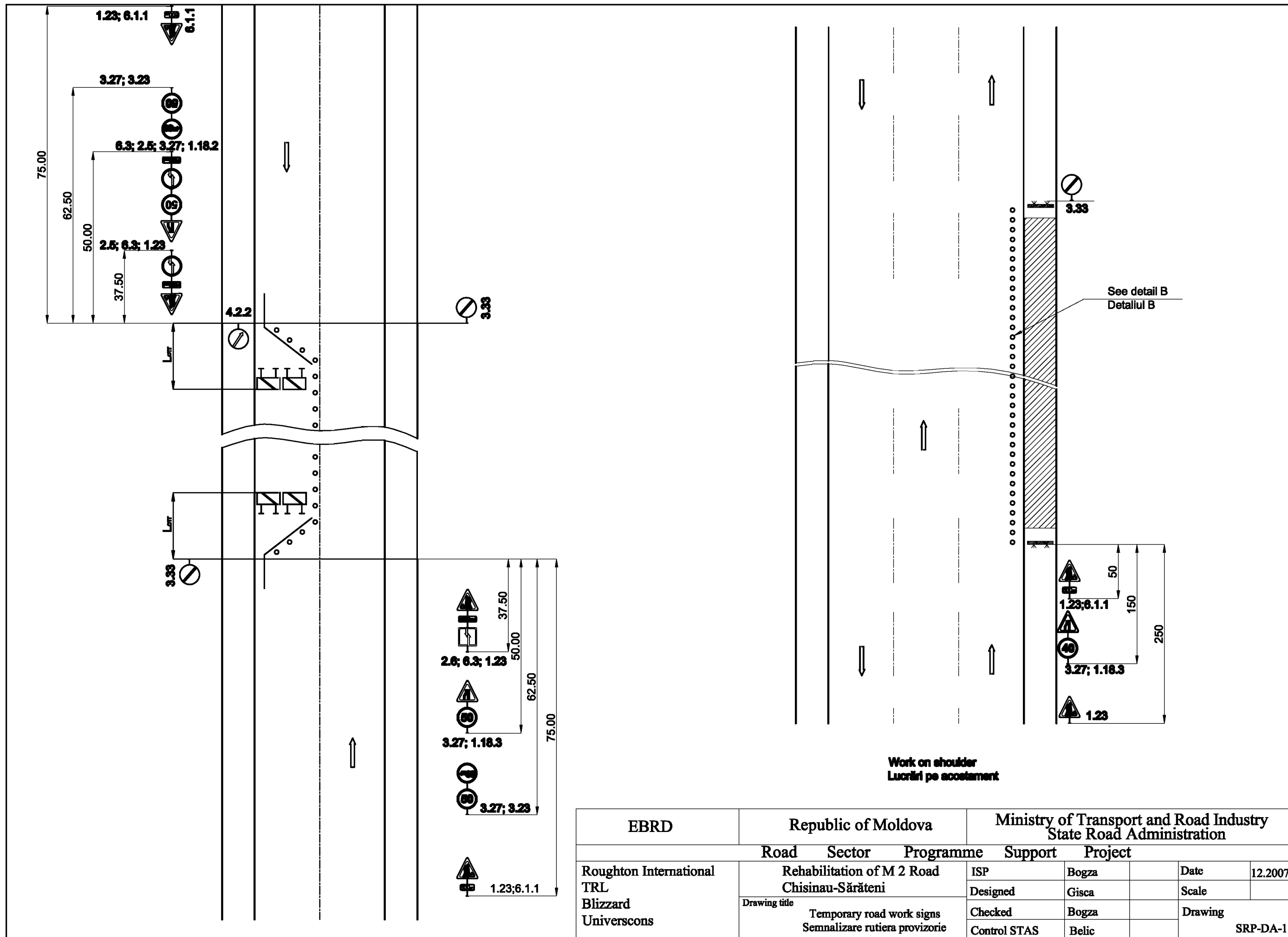
Match line with drawing Nr.40 PC 542+00  
 Linia de îmbinare cu planșa Nr.40 PC 542+00

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support	Project		
Roughton International	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Plinschi	Scale	1:1000
Blizzard	Drawing title	Checked	Bogza	Drawing	
Universcons	Planul organizarii circulatiei rutiere PC 535+00 - PC 542+00	Control STAS	Belic		PD-DA-39

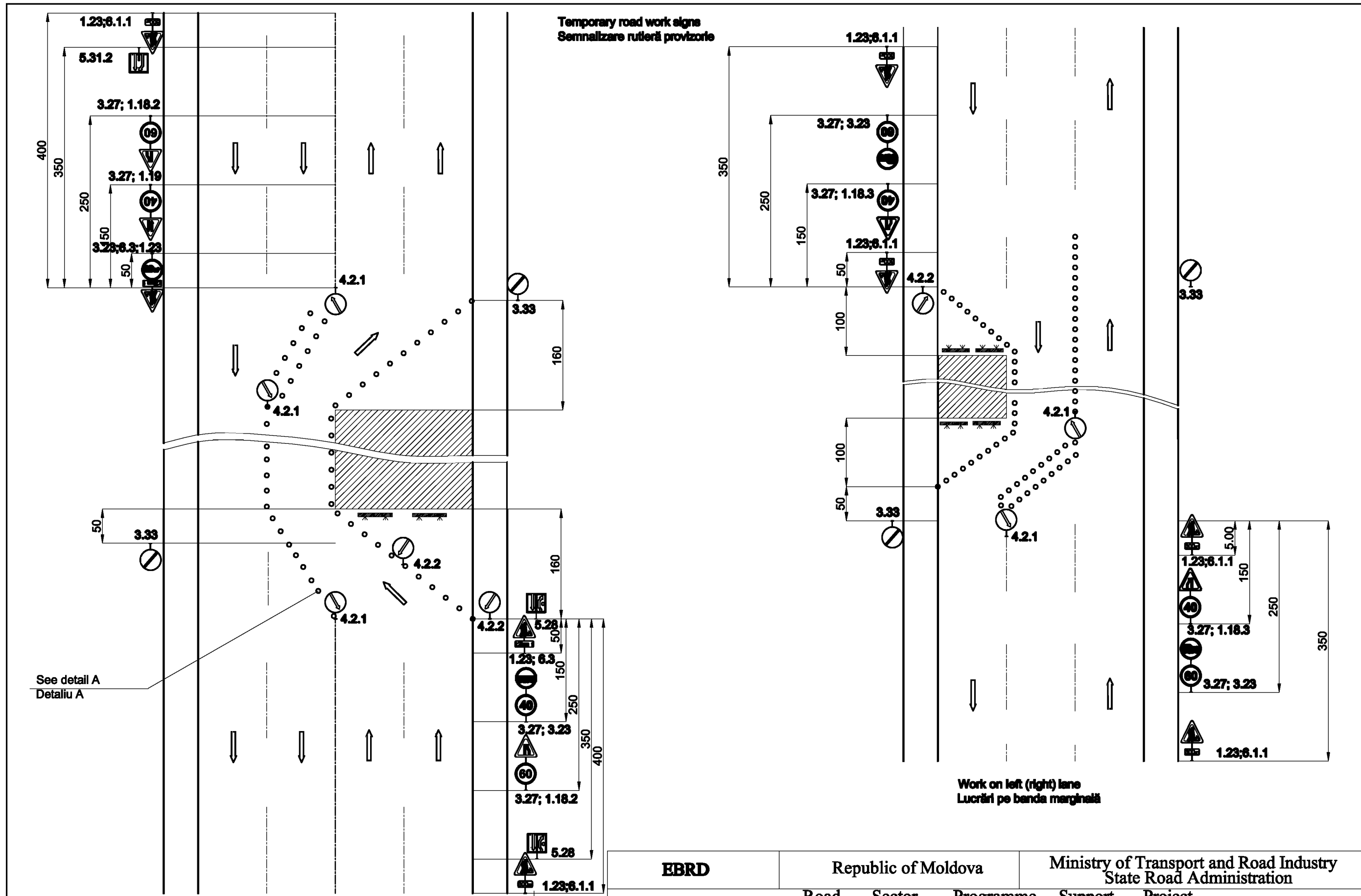




<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme Support	Project		
Roughton International	<b>Rehabilitation of M2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
TRL		Designed	Plinschi	Scale	1:1000
Blizzard	Drawing title <b>Plan of road traffic management Planul organizarii circulatiei rutiere PC 542+00 - PC 552+50</b>	Checked	Bogza	Drawing	PD-DA-40
Universcons		Control STAS	Belic		



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	
	Temporary road work signs Semnalizare rutiera provizorie	Checked	Bogza	Drawing	
		Control STAS	Belic		SRP-DA-1



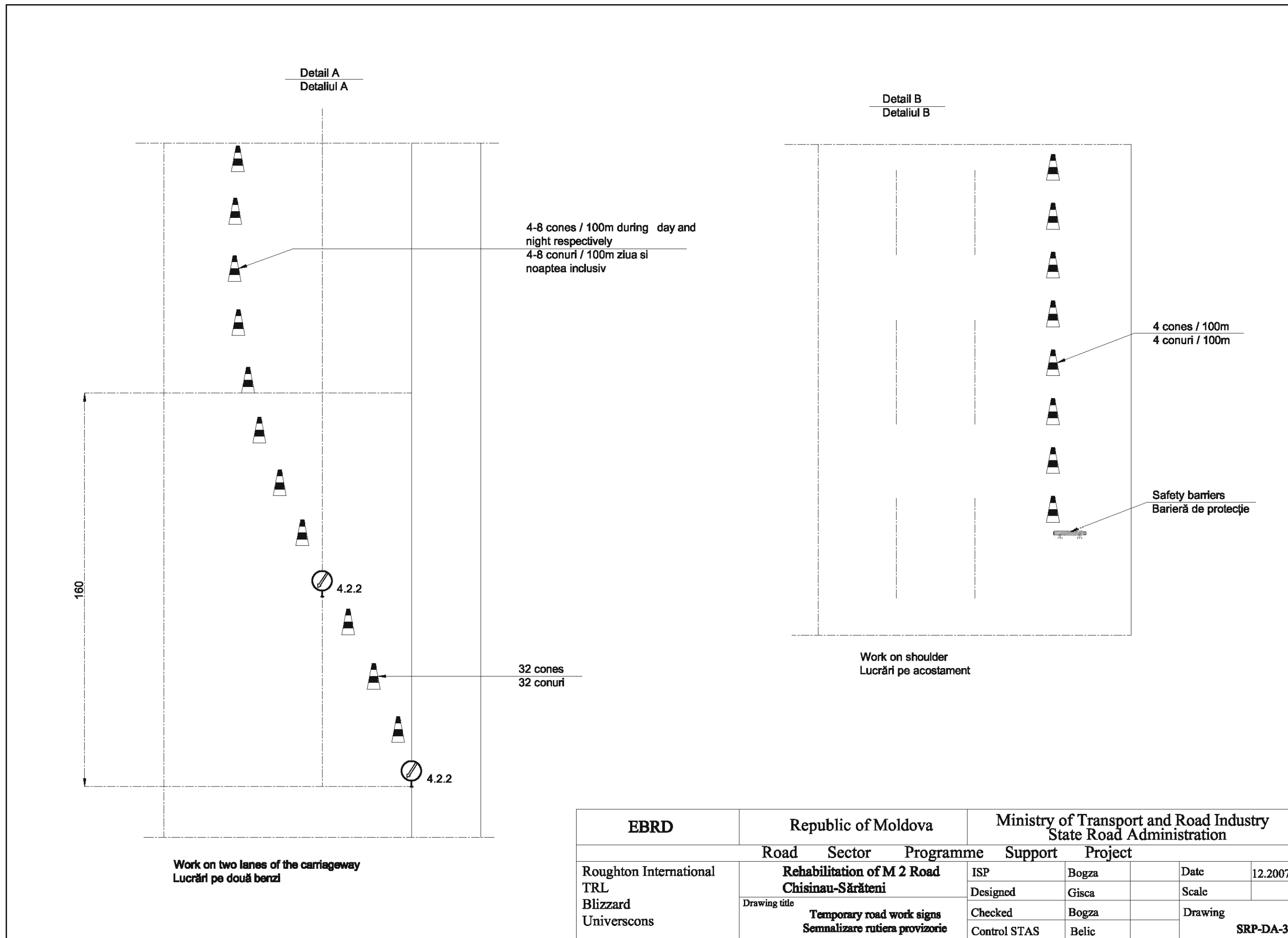
See detail A  
Detaliu A

All dimensions mentioned in m  
Dimensiunile în m

Work on two lanes of the carriageway  
Lucrări pe două benzi

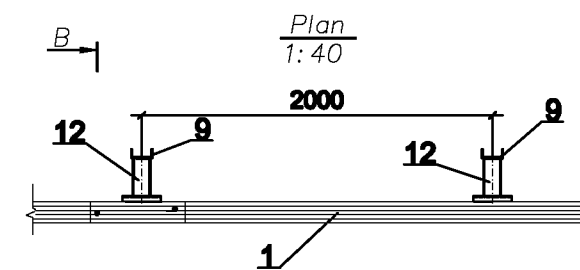
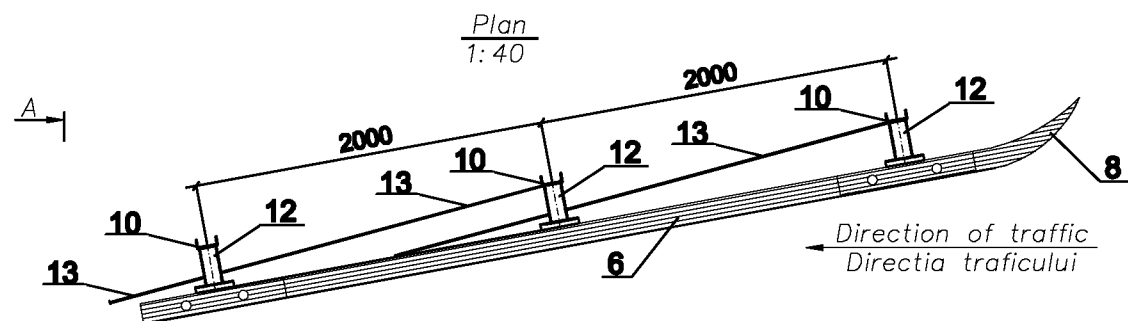
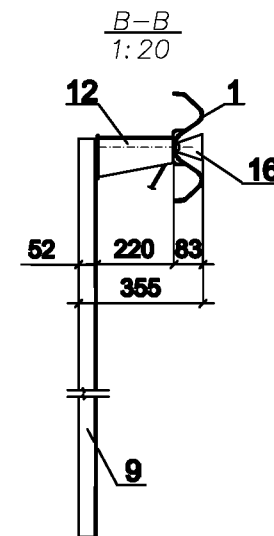
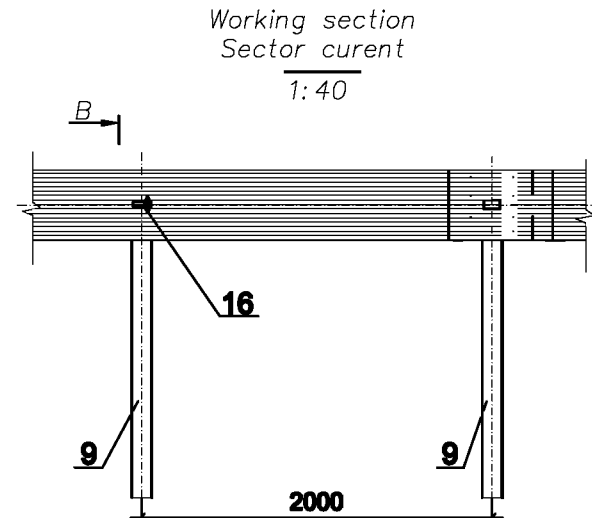
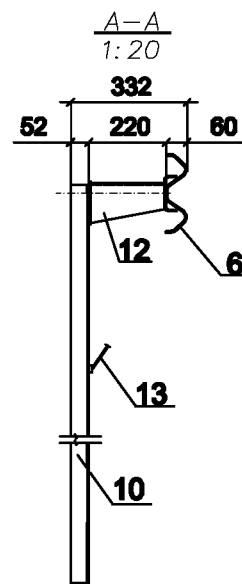
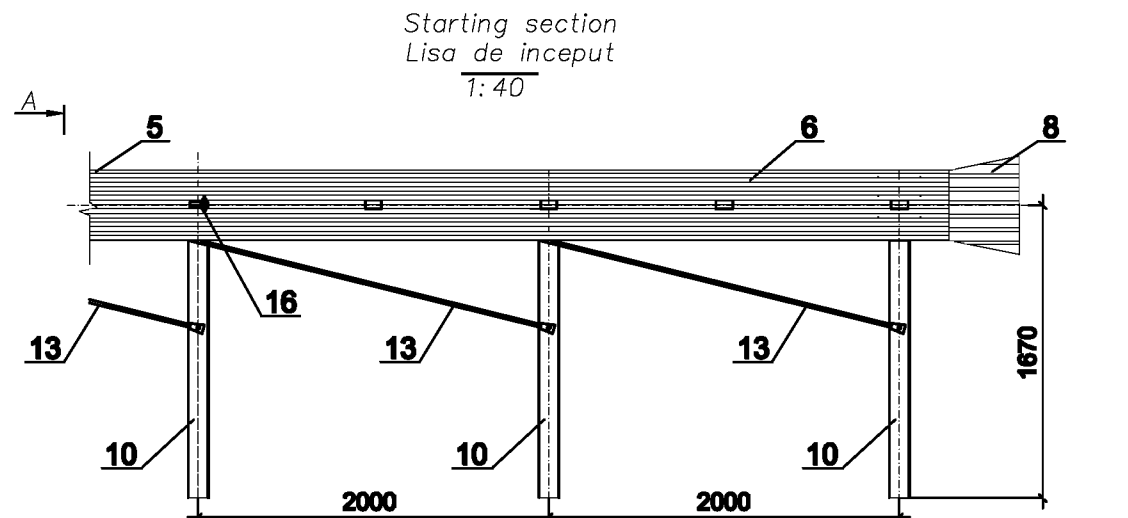
Code according to the standard 10907-78  
Cod după GOST 10907-78

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	
	<b>Temporary road work signs Semnalizare rutieră provizorie</b>	Checked	Bogza	Drawing	
		Control STAS	Belic		<b>SRP-DA-2</b>

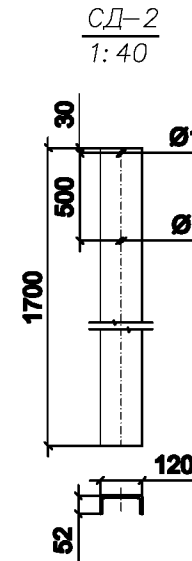
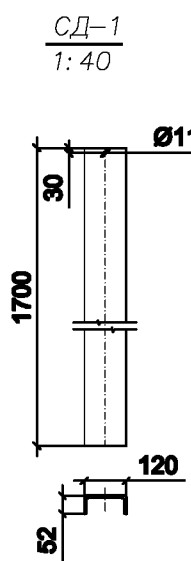
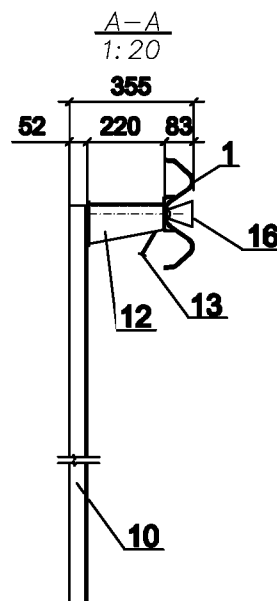
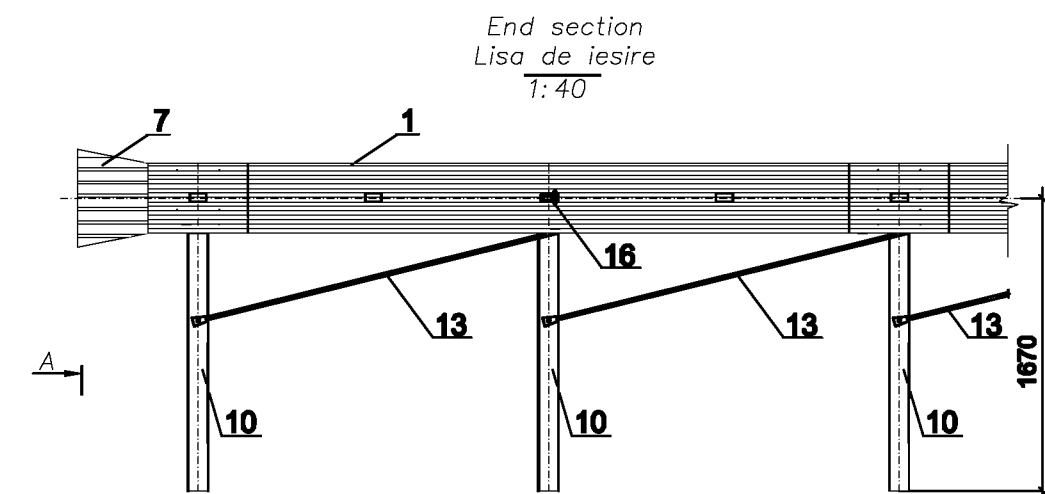
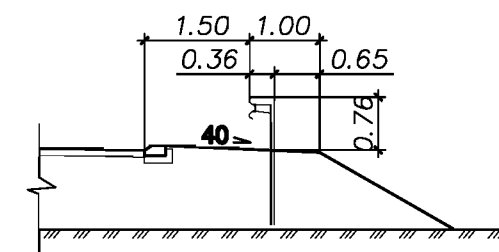


<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme</b>		<b>Support Project</b>			
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Gisca	Scale	
	Drawing title <b>Temporary road work signs Semnalizare rutiera provizorie</b>	Checked	Bogza	Drawing	<b>SRP-DA-3</b>
		Control STAS	Belic		

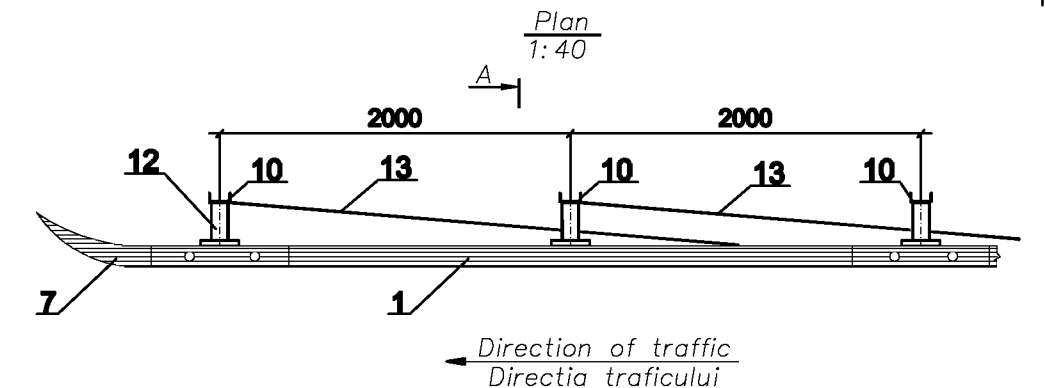
SAFETY BARRIER FOR GANTRIES  
GLISIERA PROTECTOR



Install Guard Rail  
Montarea parapetului de protectie

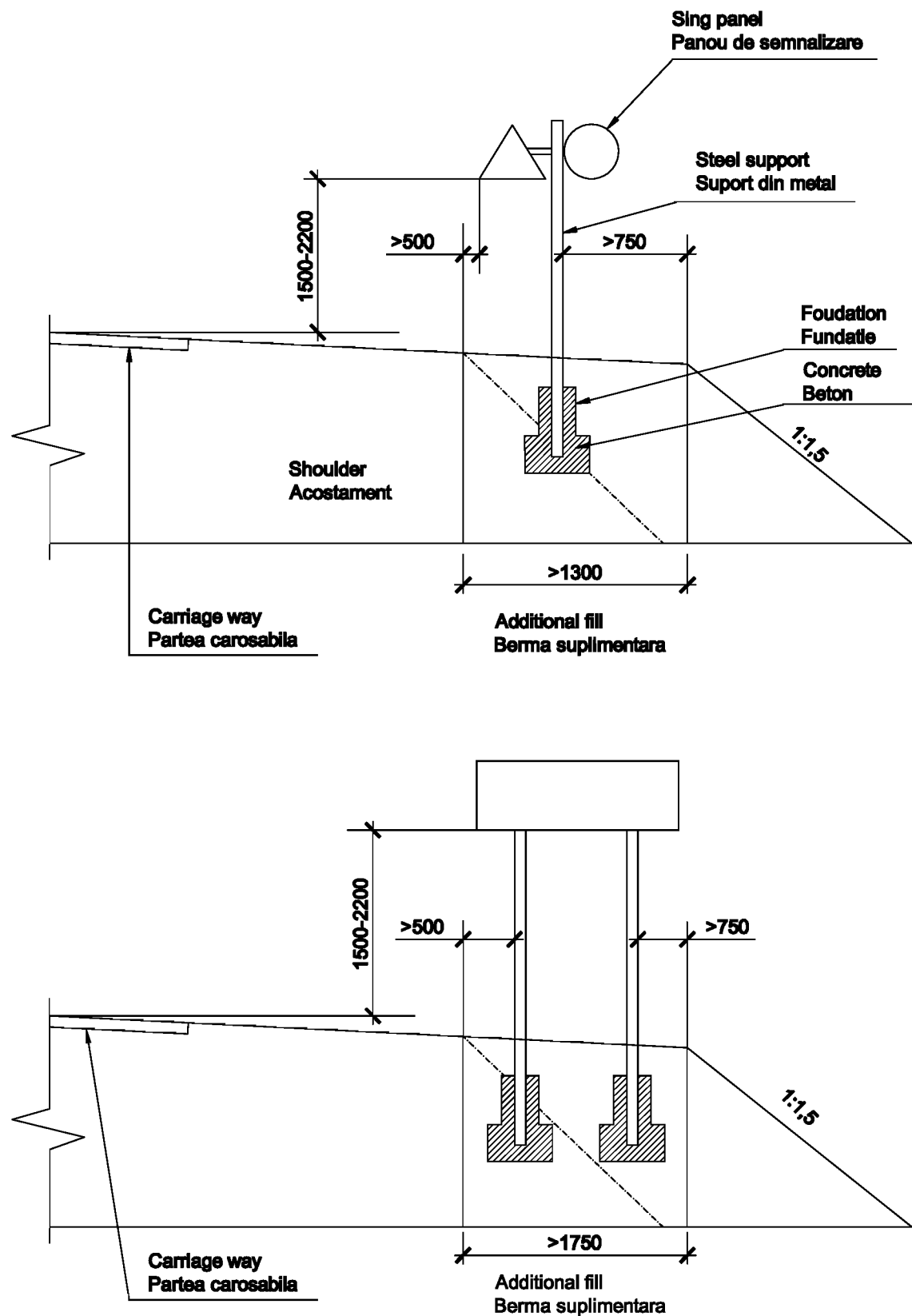


- 1 - Secția grinzii C5 - 1
- 5 - Secția grinzii C5 - 5
- 6 - Secția grinzii C5 - 6
- 7 - Element final ЭК - 1
- 8 - Element final ЭК - 2
- 9 - Stîlp CД - 1
- 10 - Stîlp CД - 2
- 12 - Consolă rigidă КК
- 13 - Cuplare diagonală CДД
- 14 - Consolă-Bară КР - 1
- 15 - Crampon СК - 1
- 16 - Element reflector ЭС - 1

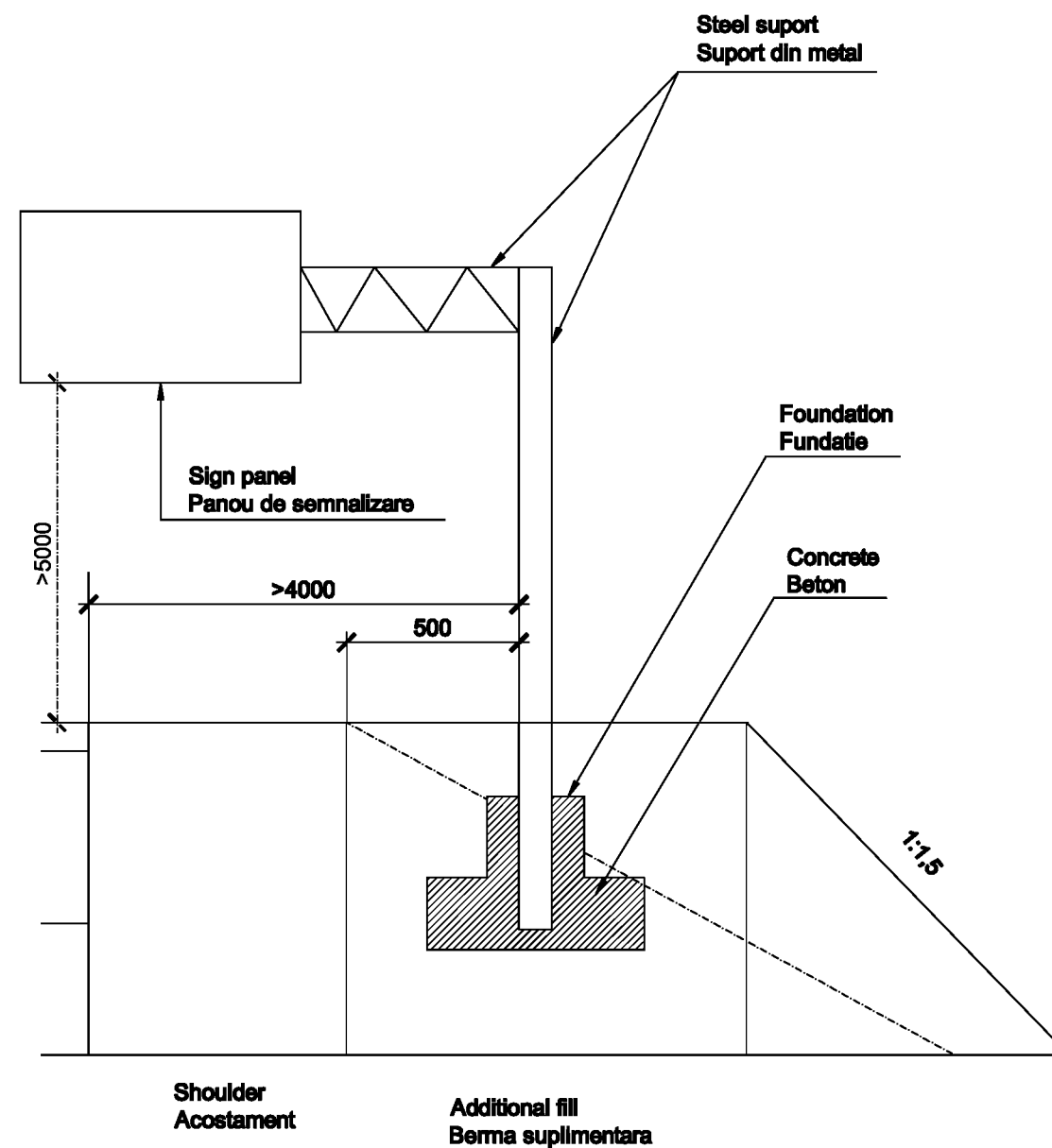


EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni	ISP	Bogza	Date	12.2007
	Drawing title Safety barrier for gantries Parapet metalic tip 11 ДО-ММ.Н	Designed	Mardari	Scale	
		Checked	Bogza	Drawing	
		Control STAS	Belic		PM-DA-1

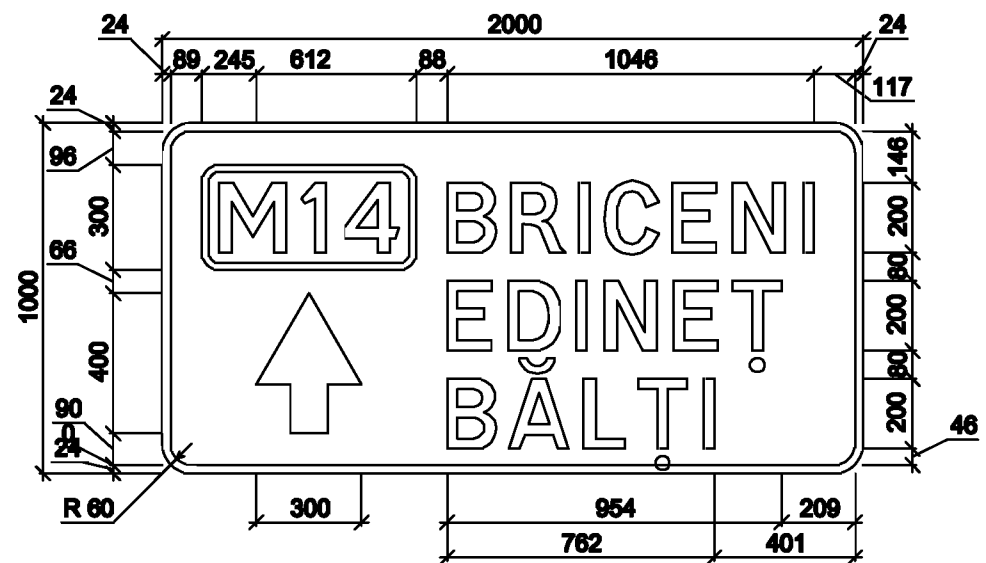
Existing and disigned supports for signs installed at the edge of road earth bed  
Suport de semnalizare existent și proiectate, instalate la marginea terasamentului



Existing supports for overhead road signs  
Suport existent pentru indicatoarele instalate deasupra partii carosabile.

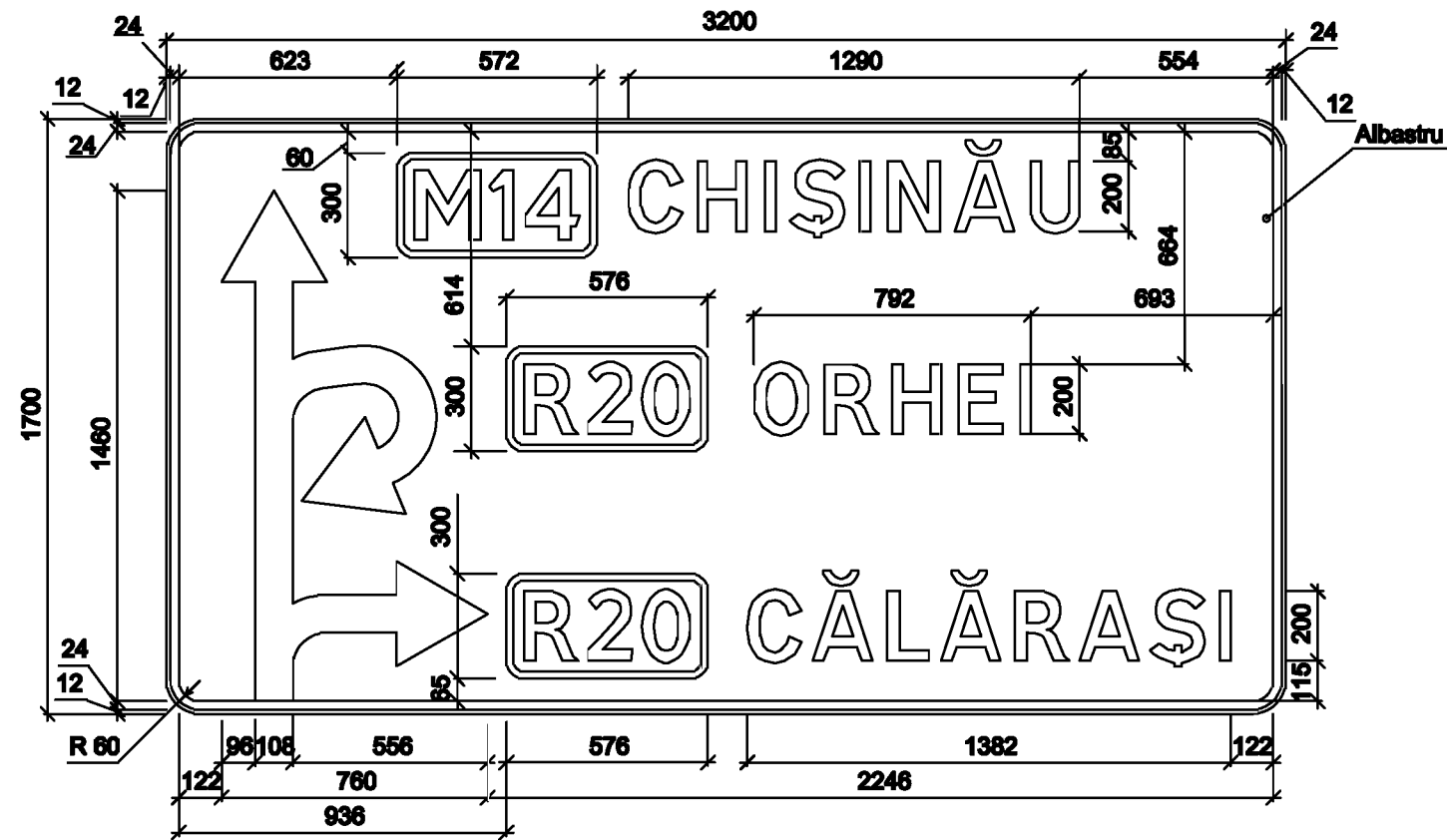


EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme		Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sărăteni		ISP	Bogza	Date	12.2007
	Drawing title Existing and disigned supports for sings installed. Suporturi existente și proiectate de instalatie a semnelor rutiere		Designed	Plinschi	Scale	
			Checked	Bogza	Drawing	SIIR-DA-1
			Control STAS	Belic		



**Nota**  
 Numer indicator: 5.44.1  
 Panou: 2000 x 1000 mm  
 Fon: Albastru  
 Suprafata: 2.00 m<sup>2</sup>  
 Scara: 1 : 20

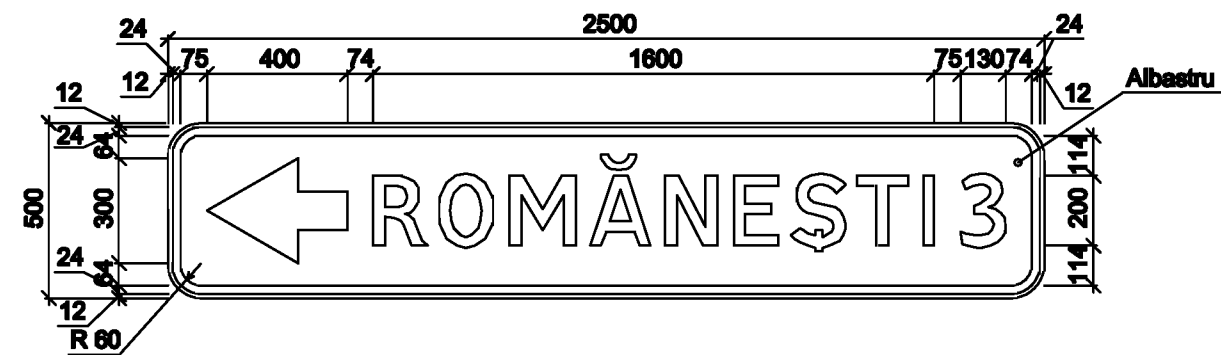
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	<small>Drawing title</small> Nonstandard road signs 5.44.1 Indicator rutier individual 5.44.1	Checked	Bogza	Drawing	IRI-DA 1
		Control STAS	Belic		



**Nota**  
 Numar Indicator: 5.44.2  
 Panou: 3200 x 1700 mm  
 Fon: Albastru  
 Suprafata: 5.44 m<sup>2</sup>  
 Scara: 1 : 20

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>				
<b>Road Sector Programme Support Project</b>						
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007	
		Designed	Plinschi	Scale	<b>1:1000</b>	
	Drawing title Nonstandard road signs 5.44.2 Indicator rutier individual 5.44.2		Checked	Bogza	Drawing	
			Control STAS	Belic	IRI-DA 2	

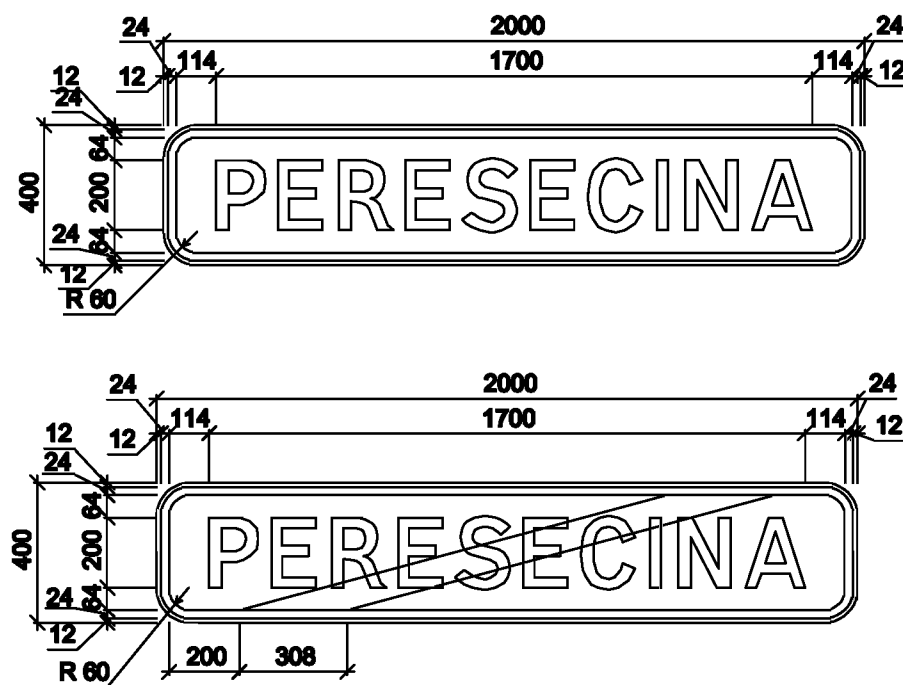




**Nota**

**Numar Indicator: 5.47.2**  
**Panou: 2500 x 500 mm**  
**Fon: Albastru**  
**Suprafata: 1.25 m²**  
**Scara: 1 : 20**

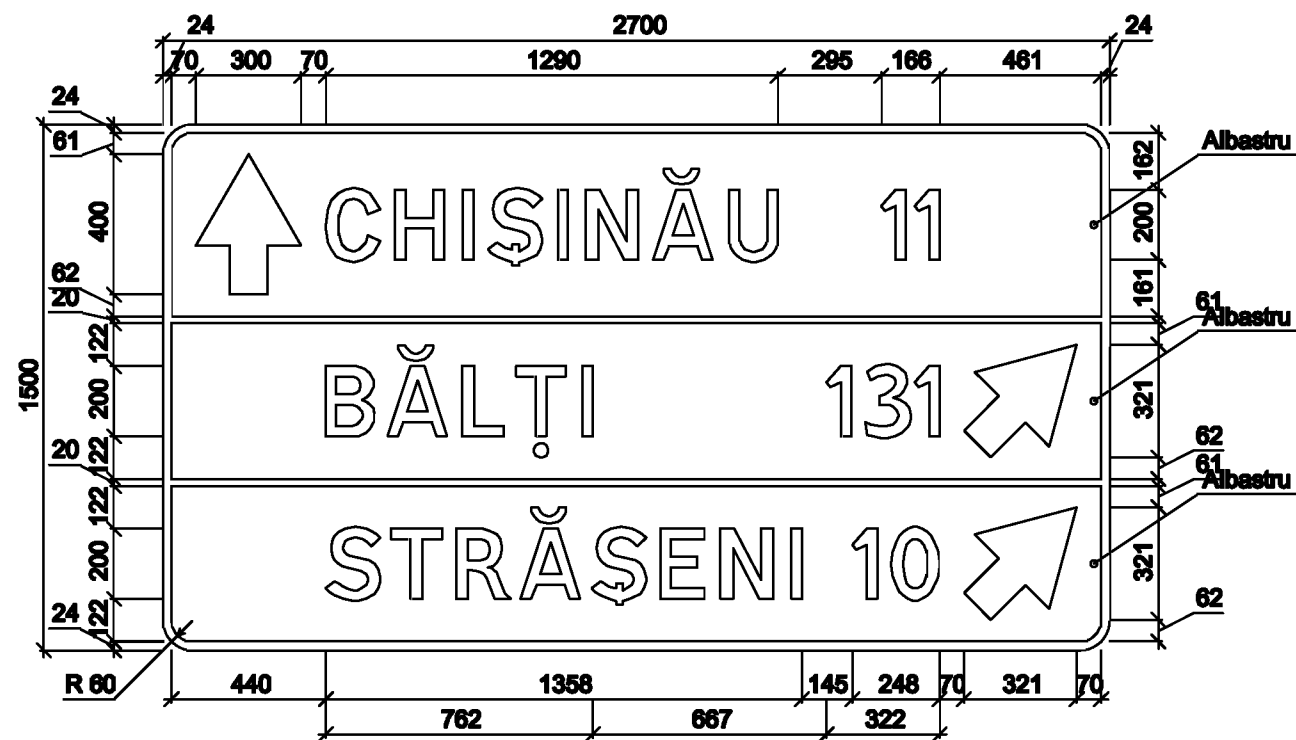
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	<small>Drawing title</small> Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2	Checked	Bogza	Drawing IRI-DA 3	
		Control STAS	Belic		



**Nota**

**Numar Indicator: 5.49;5.50**  
**Panou: 2000 x 400 mm**  
**Fon: Alb**  
**Suprafata: 0.8 m²**  
**Scara: 1 : 20**

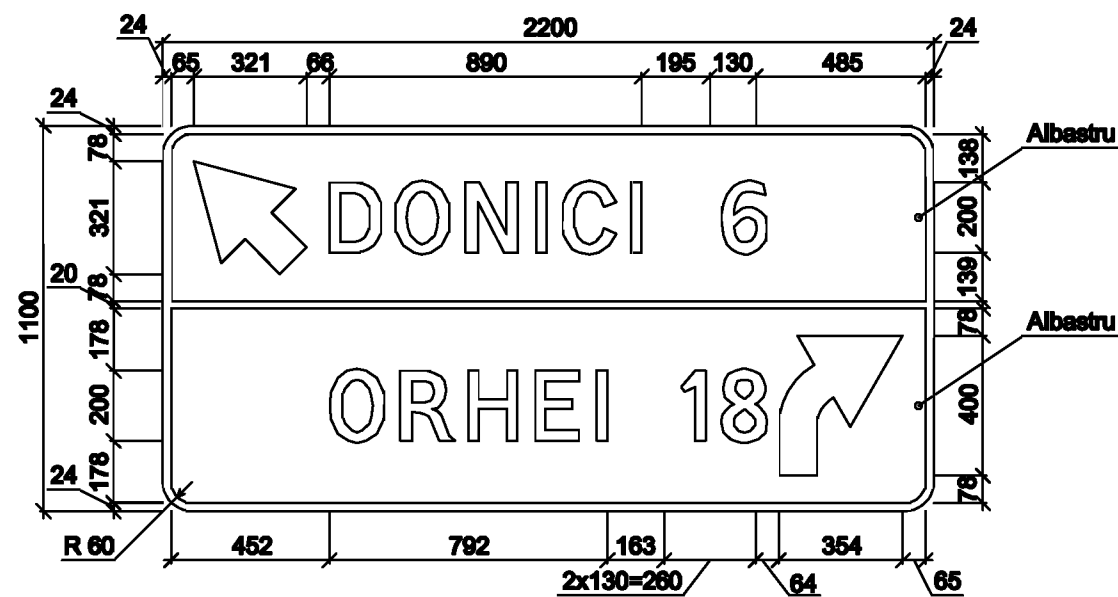
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	<small>Drawing title</small> Nonstandard road signs 5.49;5.50 Indicator rutier individual 5.49;5.50	Checked	Bogza	Drawing	PL-DA 4
		Control STAS	Belic		



**Nota**

Numer indicator: 5.47.2  
 Panou: 2700 x 1500 mm  
 Fon: Albastru  
 Suprafata: 4.05 m<sup>2</sup>  
 Scara: 1 : 20

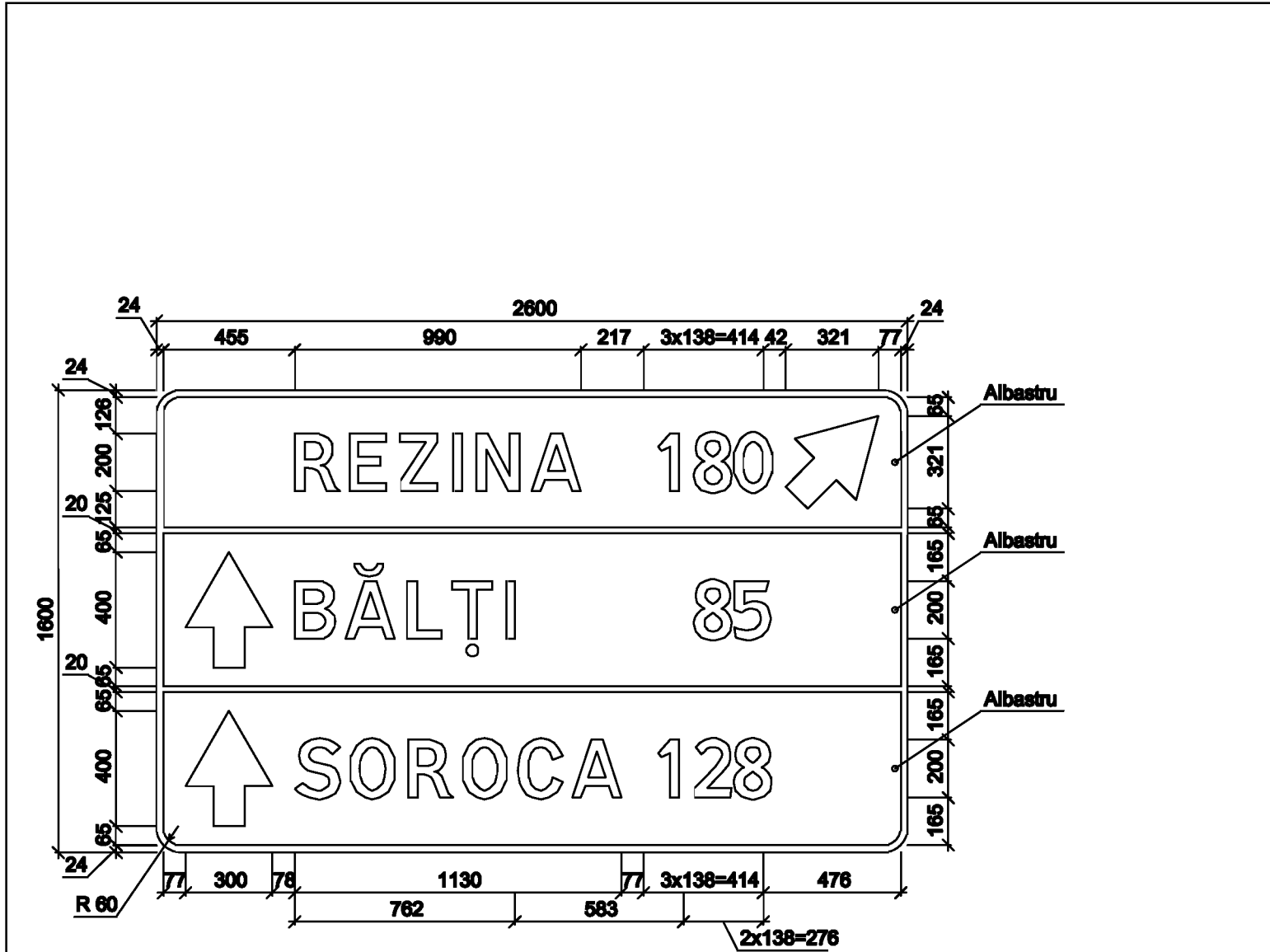
<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	Drawing title Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2	Checked	Bogza	Drawing	IRI-DA 5
		Control STAS	Belic		



**Nota**

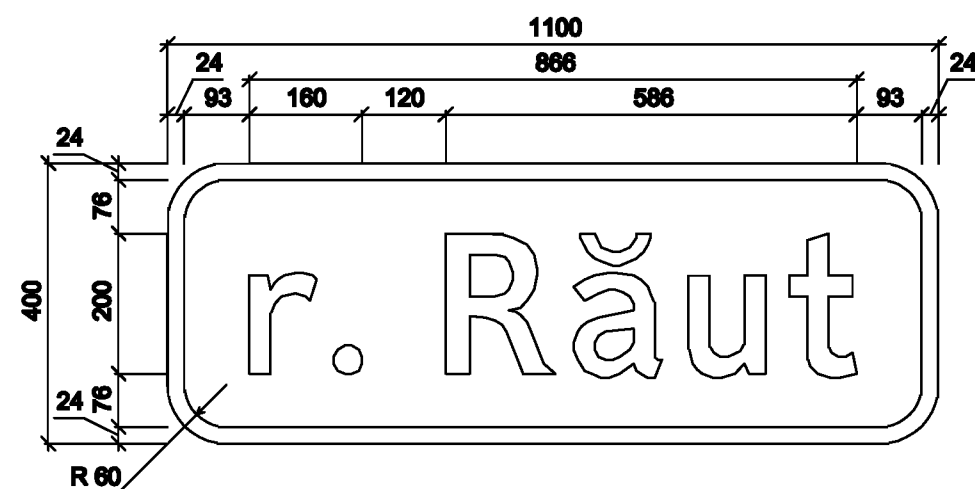
Numar Indicator: 5.47.2  
 Panou: 2200 x 1100 mm  
 Fon: Albastru  
 Suprafata: 2.42 m<sup>2</sup>  
 Scara: 1 : 20

<b>EBRD</b>	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	Drawing title Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2	Checked	Bogza	Drawing	IRI-DA 6
		Control STAS	Belic		



**Nota**  
 Numar Indicator: 5.47.2  
 Panou: 2600 x 1600 mm  
 Fon: Albastru  
 Suprafata: 4.16 m<sup>2</sup>  
 Scara: 1 : 20

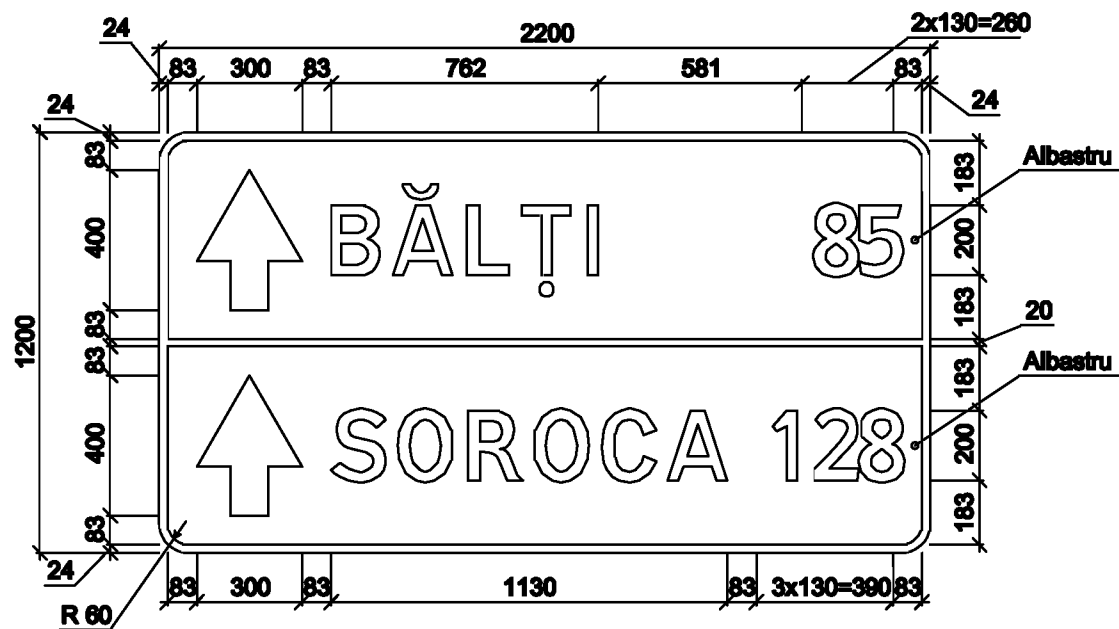
<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>				
<b>Road Sector Programme Support Project</b>						
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007	
		Designed	Plinschi	Scale	<b>1:1000</b>	
	Drawing title Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2		Checked	Bogza	Drawing	
			Control STAS	Belic	<b>IRI-DA 7</b>	



**Nota**

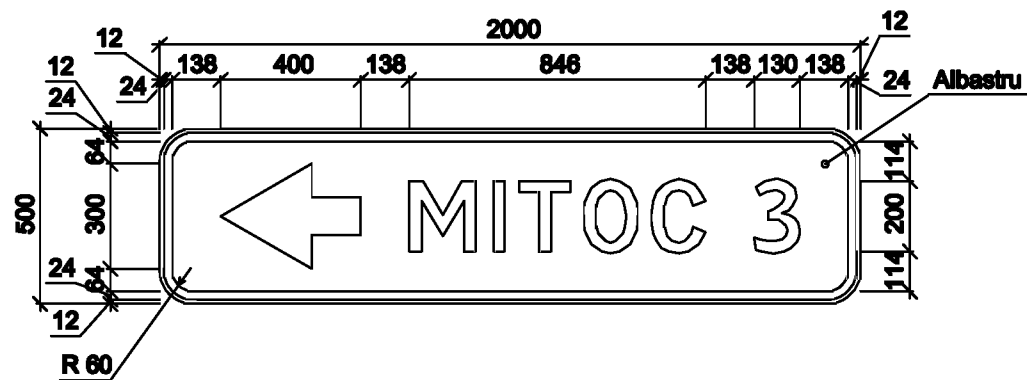
Numar Indicator: 5.53  
 Panou: 2100 x 400 mm  
 Fon: Albastru  
 Suprafata: 0.44 m<sup>2</sup>  
 Scara: 1 : 10

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>				
<b>Road Sector Programme Support Project</b>						
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007	
		Designed	Plinschi	Scale	<b>1:1000</b>	
	<small>Drawing title</small> Nonstandard road signs 5.53 Indicator rutier individual 5.53	Checked	Bogza	Drawing <b>IRI-DA 8</b>		
		Control STAS	Belic			



**Nota**  
 Numar Indicator: 5.47.2  
 Panou: 2200 x 1200 mm  
 Fon: Albastru  
 Suprafata: 2.64 m<sup>2</sup>  
 Scara: 1 : 20

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	<b>1:1000</b>
	Drawing title Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2		Checked	Bogza	Drawing IRI-DA 9
			Control STAS	Belic	

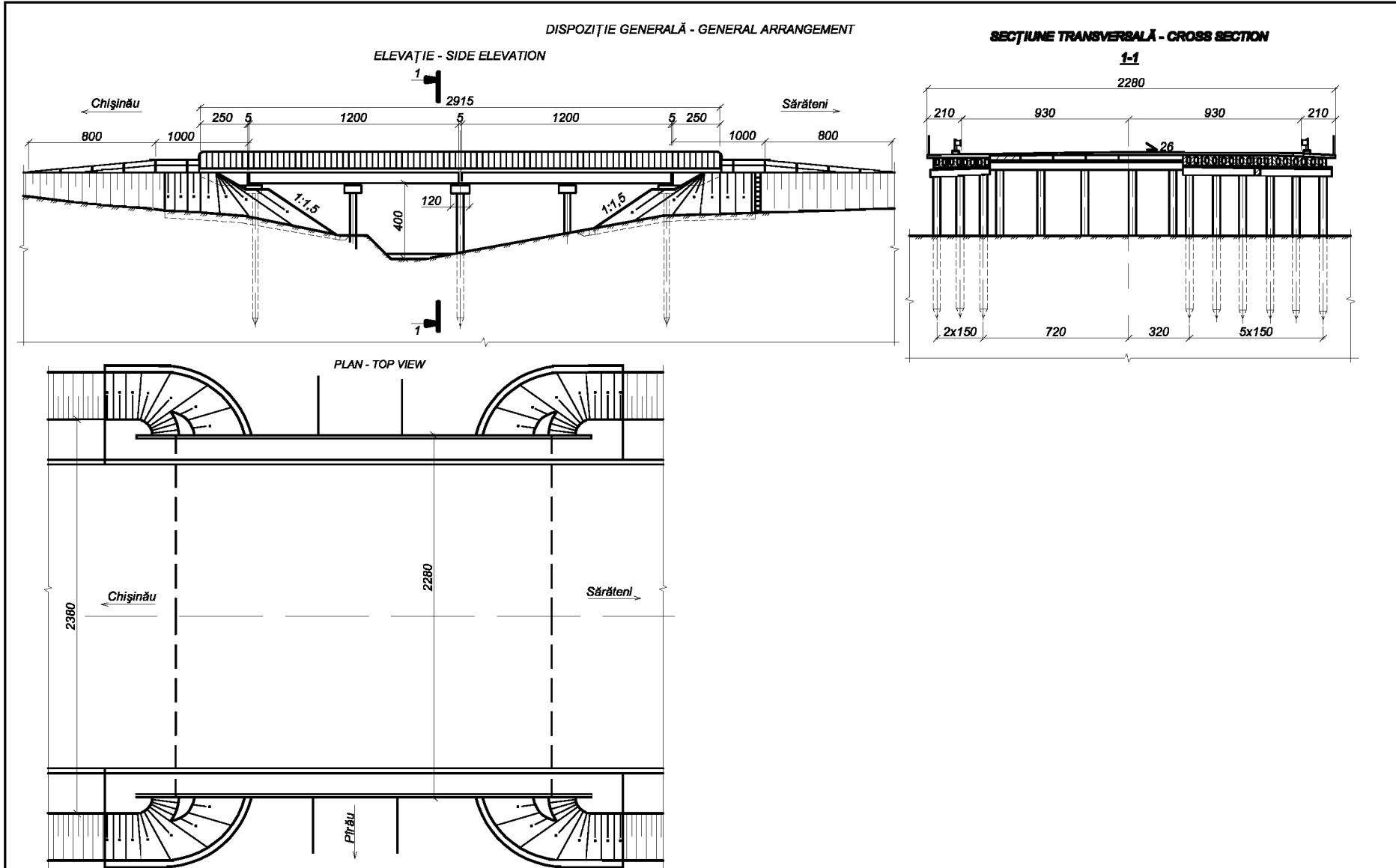


**Nota**

**Numar Indicator: 5.47.2**  
**Panou: 2000 x 500 mm**  
**Fon: Albastru**  
**Suprafata: 1.00 m²**  
**Scara: 1 : 20**

<b>EBRD</b>	<b>Republic of Moldova</b>	<b>Ministry of Transport and Road Industry State Road Administration</b>			
<b>Road Sector Programme Support Project</b>					
Roughton International TRL Blizzard Universcons	<b>Rehabilitation of M 2 Road Chisinau-Sărăteni</b>	ISP	Bogza	Date	12.2007
		Designed	Plinschi	Scale	1:1000
	<small>Drawing title</small> Nonstandard road signs 5.47.2 Indicator rutier individual 5.47.2	Checked	Bogza	Drawing	<b>IRI-DA 10</b>
		Control STAS	Belic		

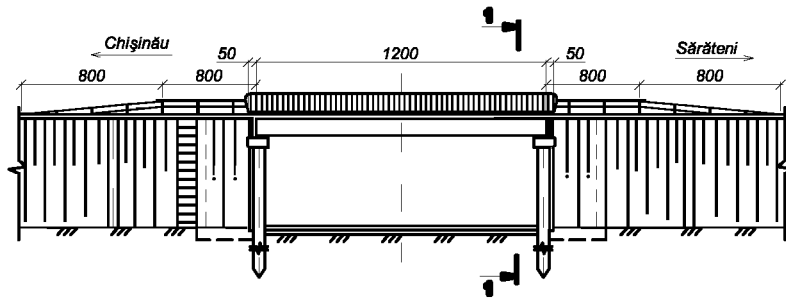




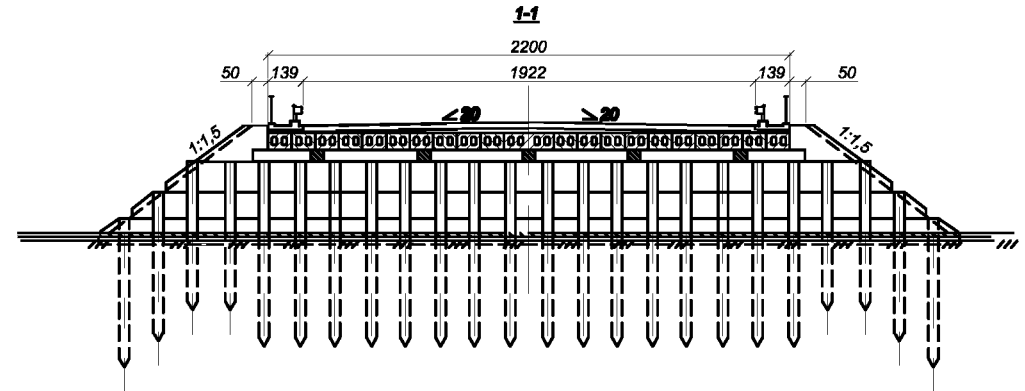
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road	Sector	Programme	Support	Project	
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sarateni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:500
	<b>Bridge.Pod, Km 27 + 372</b>		Checked	Bogza	Drawing	P-P-1
			Control	STAS	Belic	

DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT

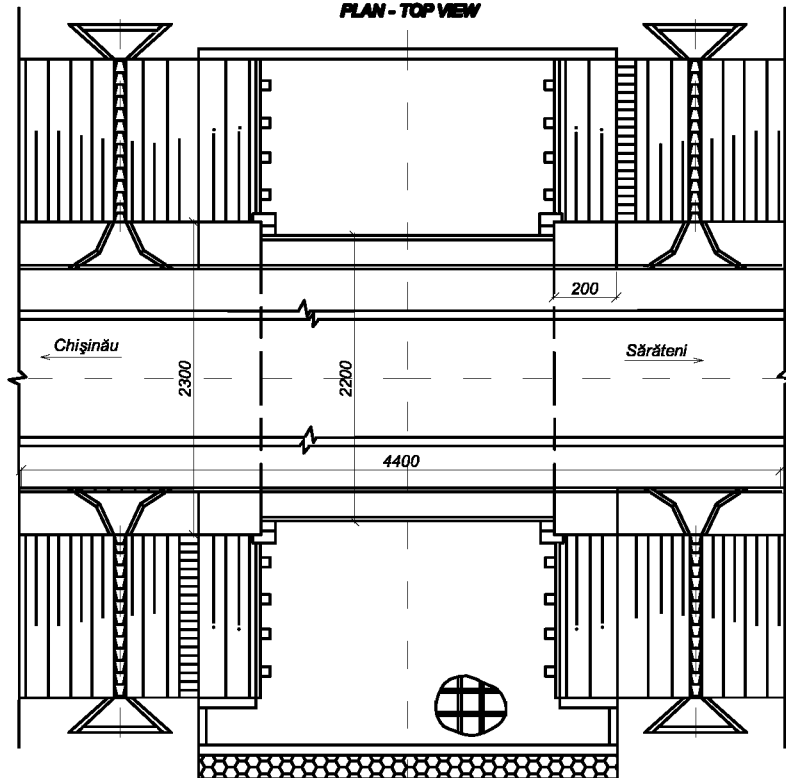
ELEVAȚIE - SIDE ELEVATION



SECȚIUNE TRANSVERSALĂ - CROSS SECTION



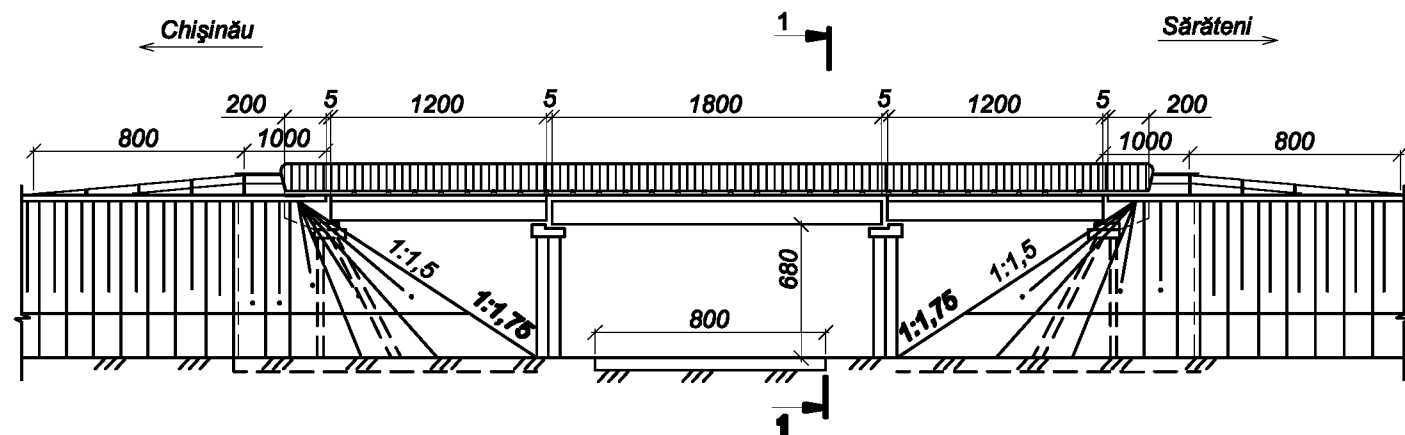
PLAN - TOP VIEW



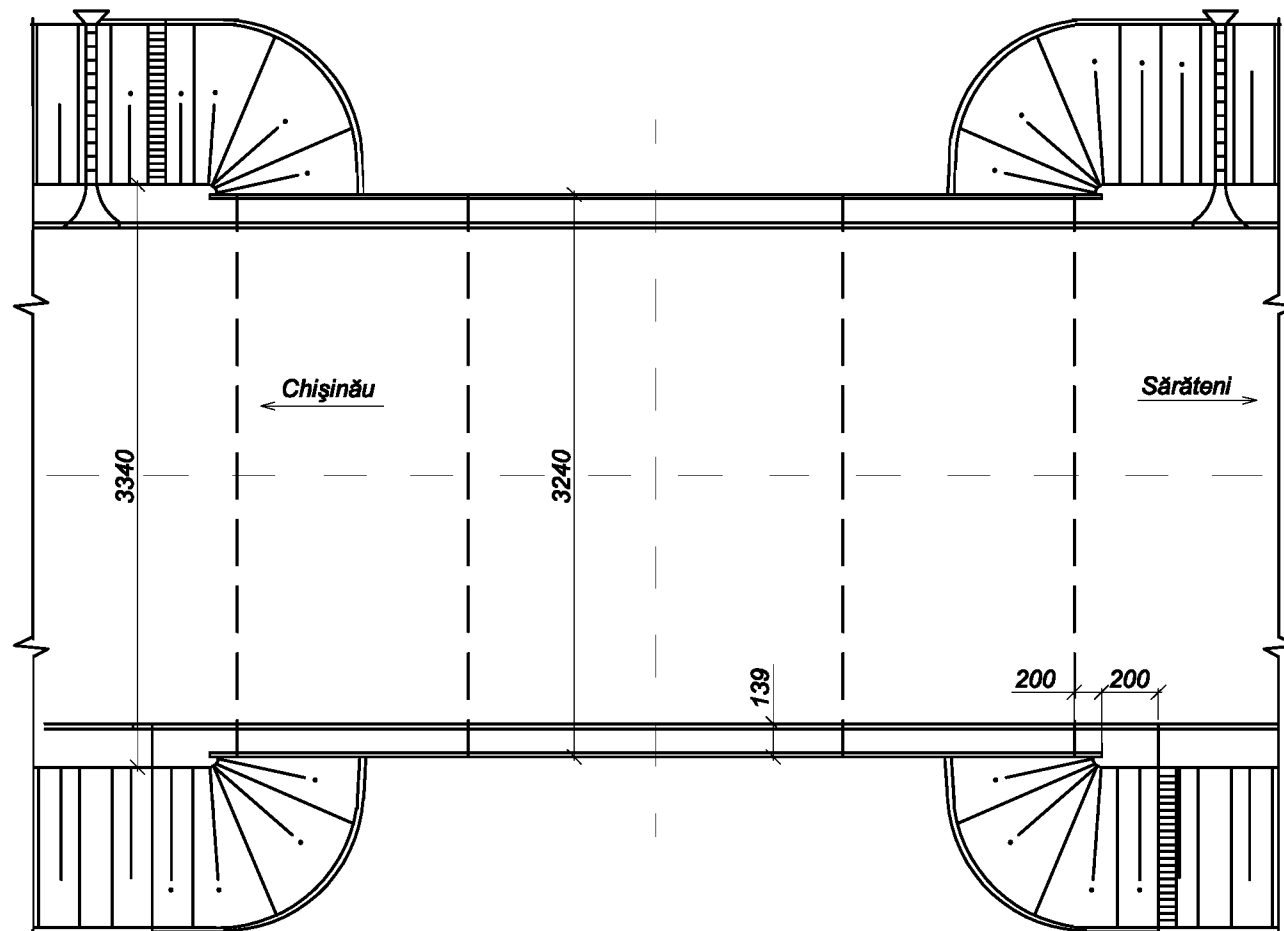
EBRD	Republic of Moldova		Ministry of Transport and Road Industry State Road Administration			
	Road	Sector	Programme	Support	Project	
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sarateni		ISP	Bogza	Date	12.2007
	Drawing title		Designed	Gisca	Scale	1:500
	<b>Bridge.Pod, Km 34 + 000</b>		Checked	Bogza	Drawing	P-P-2
			Control	STAS	Belic	

DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT

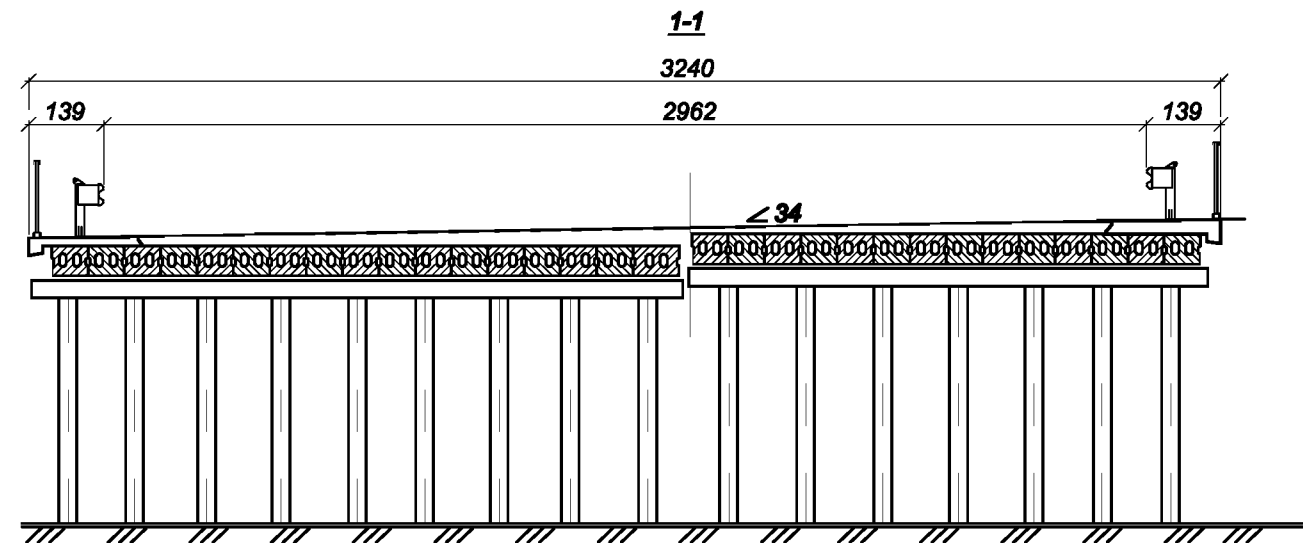
ELEVAȚIE - SIDE ELEVATION



PLAN - TOP VIEW



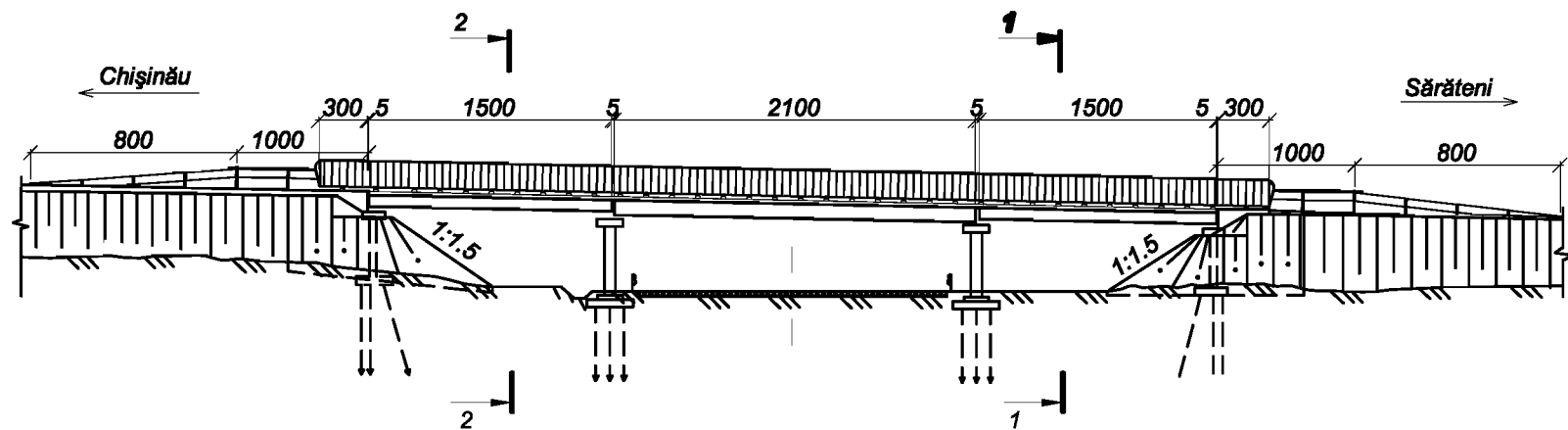
SECȚIUNE TRANSVERSALĂ - CROSS SECTION



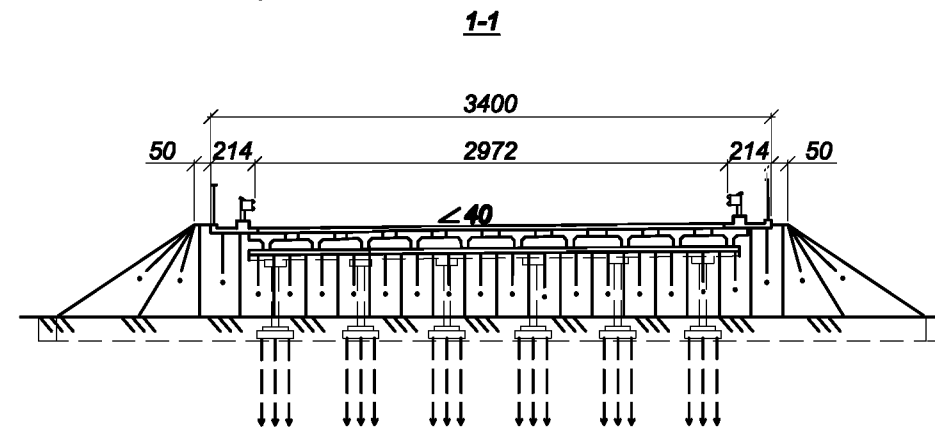
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title <b>Bridge.Pod, Km 36 + 164</b>	Designed	Gisca	Scale	1:500
		Checked	Bogza	Drawing	P-P-3
		Control STAS	Belic		

DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT

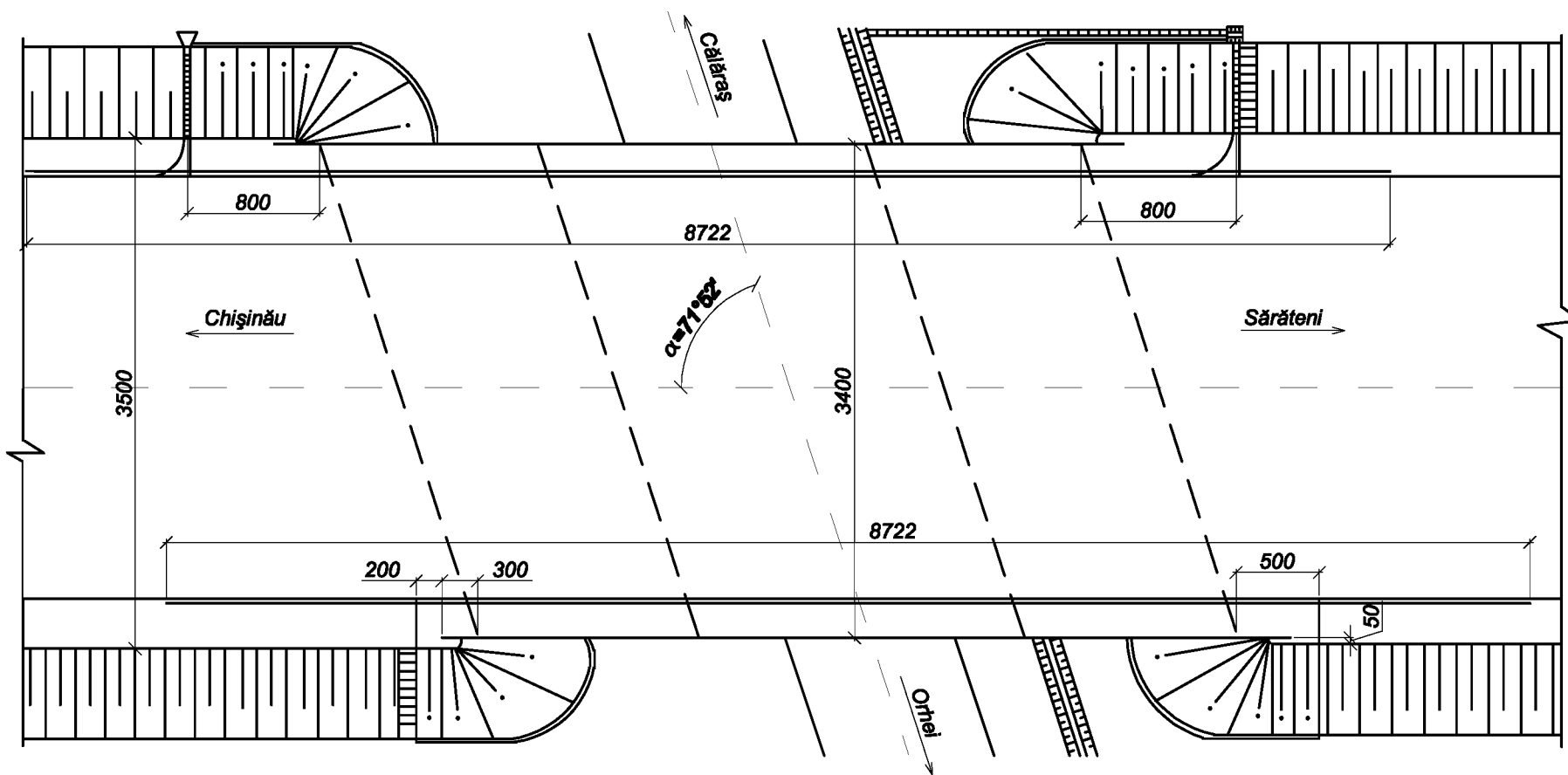
ELEVAȚIE - SIDE ELEVATION



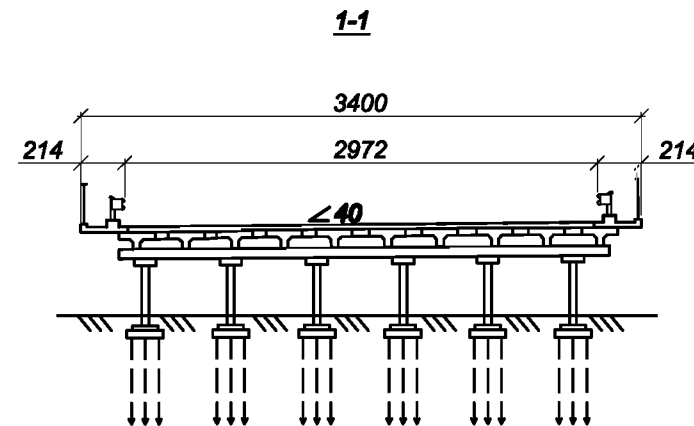
SECȚIUNE TRANSVERSALĂ - CROSS SECTION



PLAN - TOP VIEW

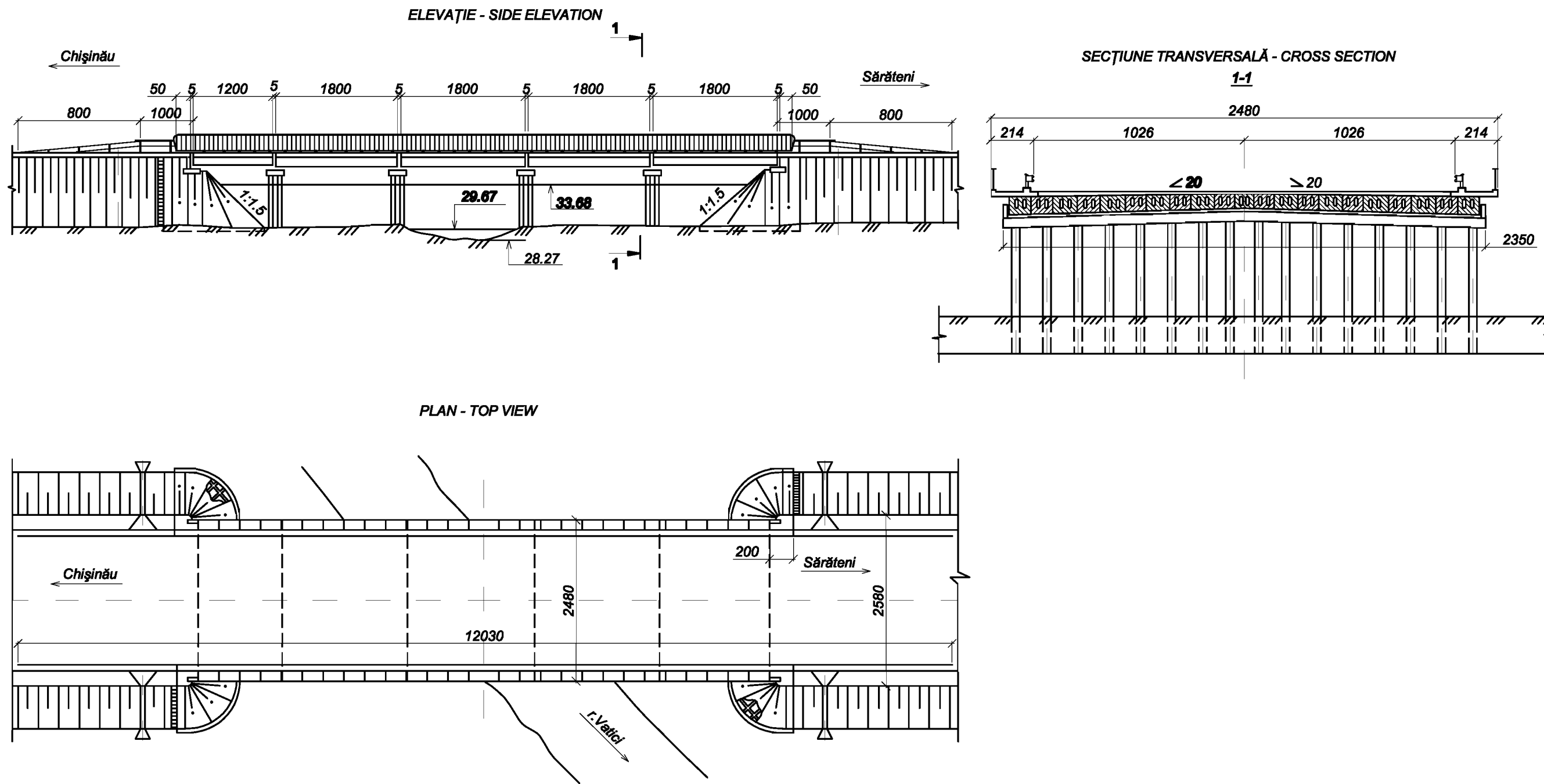


SECȚIUNE TRANSVERSALĂ - CROSS SECTION



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Chisinau-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title	Designed	Gisca	Scale	1:500
	<b>Bridge.Pod, Km 43 + 255</b>	Checked	Bogza	Drawing	P-P-4
		Control STAS	Belic		

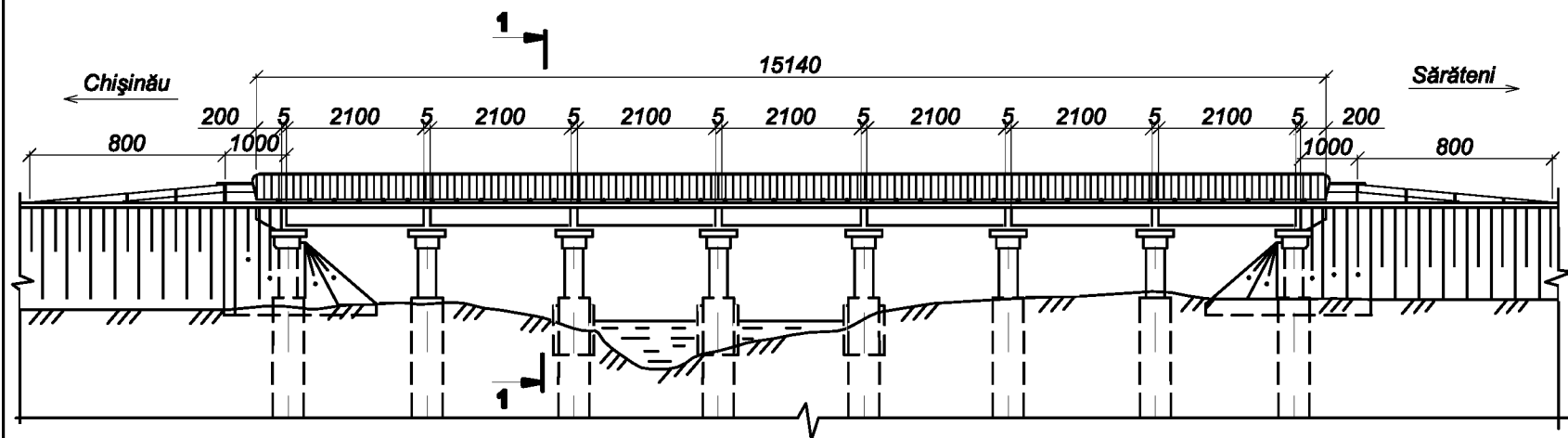
DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT



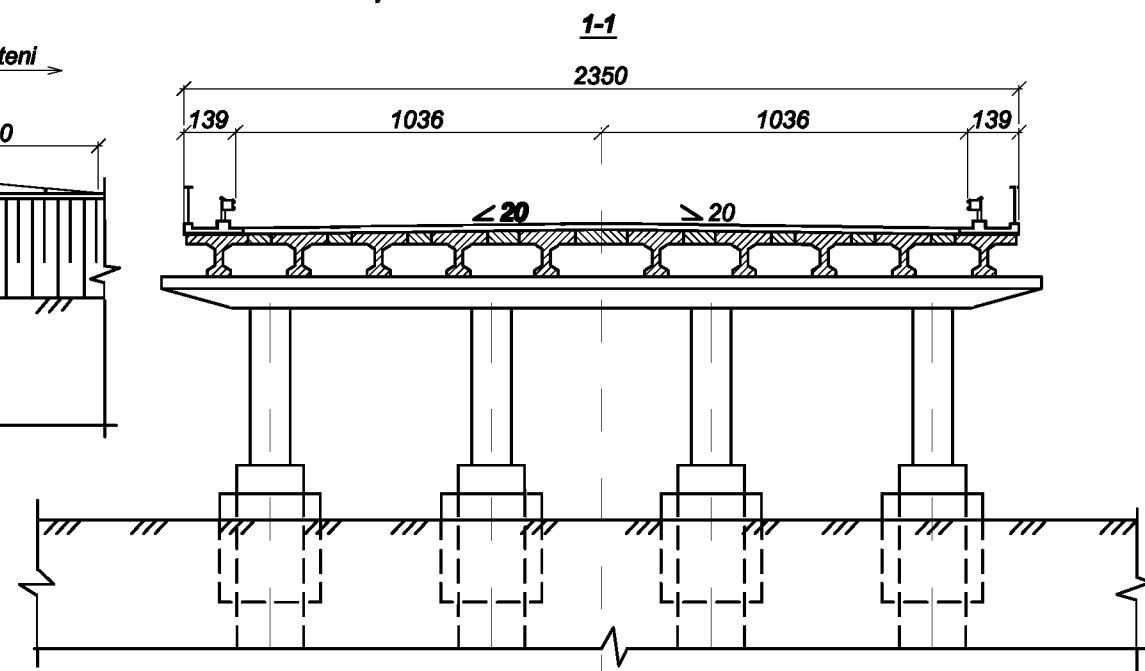
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme Support Project				
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Orhei-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title <b>Bridge.Pod, Km 44 + 335</b>	Designed	Cecan	Scale	1:500
		Checked	Cecan	Drawing	P-P-5
		Control STAS	Belic		

DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT

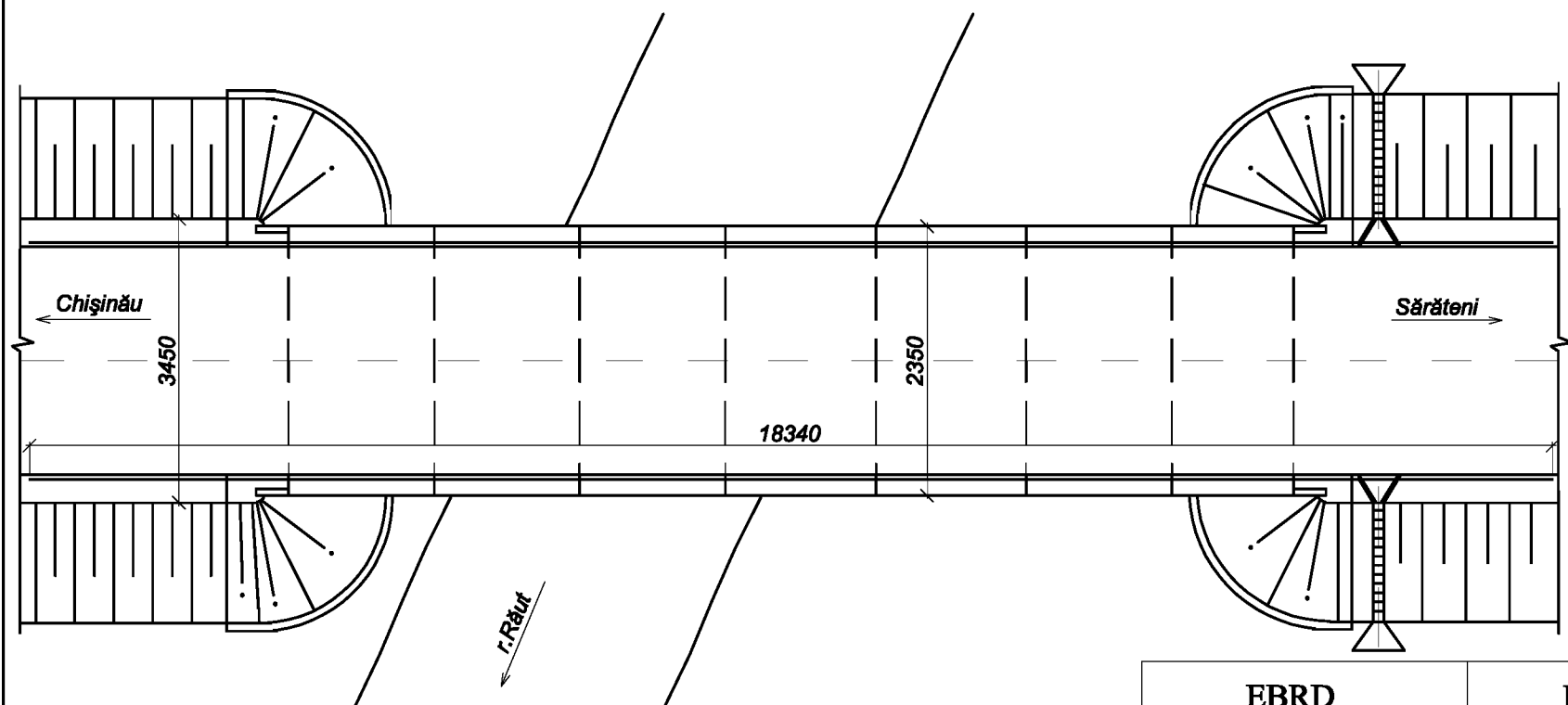
ELEVAȚIE - SIDE ELEVATION



SECȚIUNE TRANSVERSALĂ - CROSS SECTION



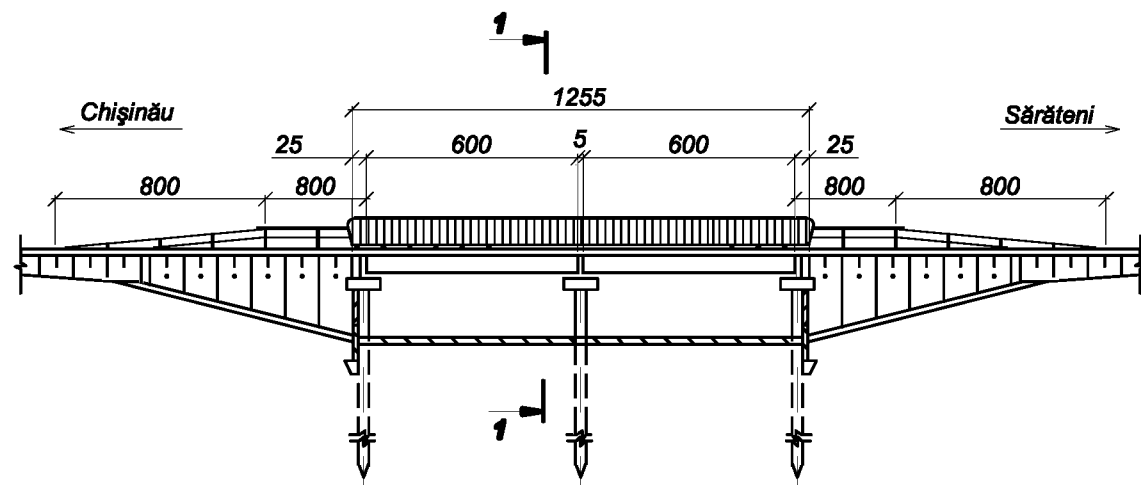
PLAN - TOP VIEW



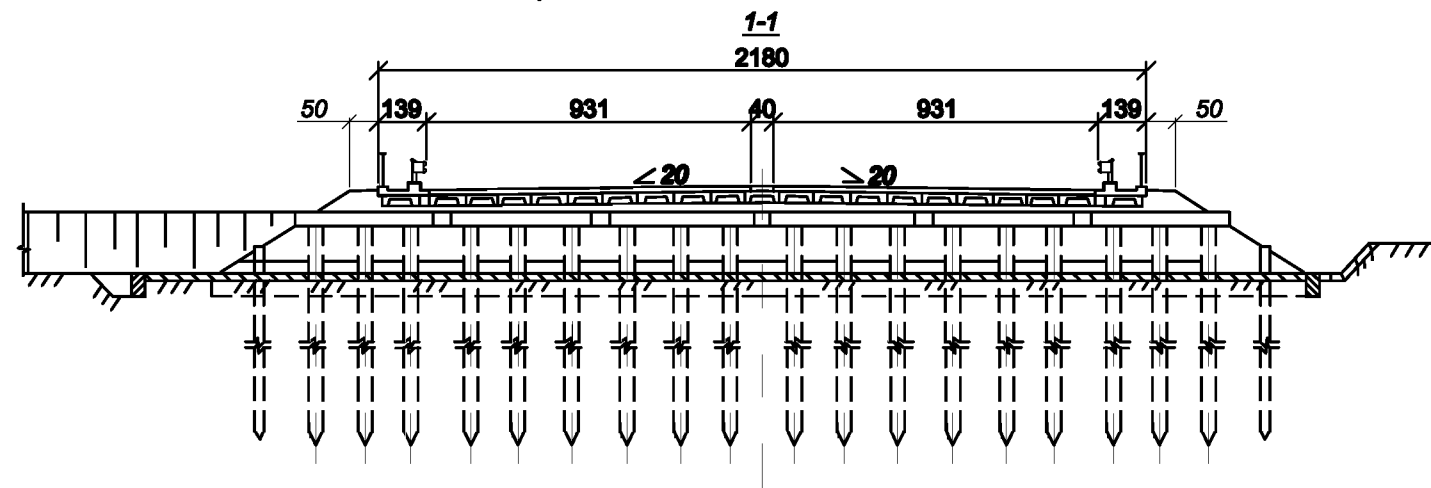
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme Support	Project		
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Orhei-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title <b>Bridge.Pod, Km 45 + 286</b>	Designed	Cecan	Scale	1:500
		Checked	Cecan	Drawing	P-P-6
		Control STAS	Belic		

DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT

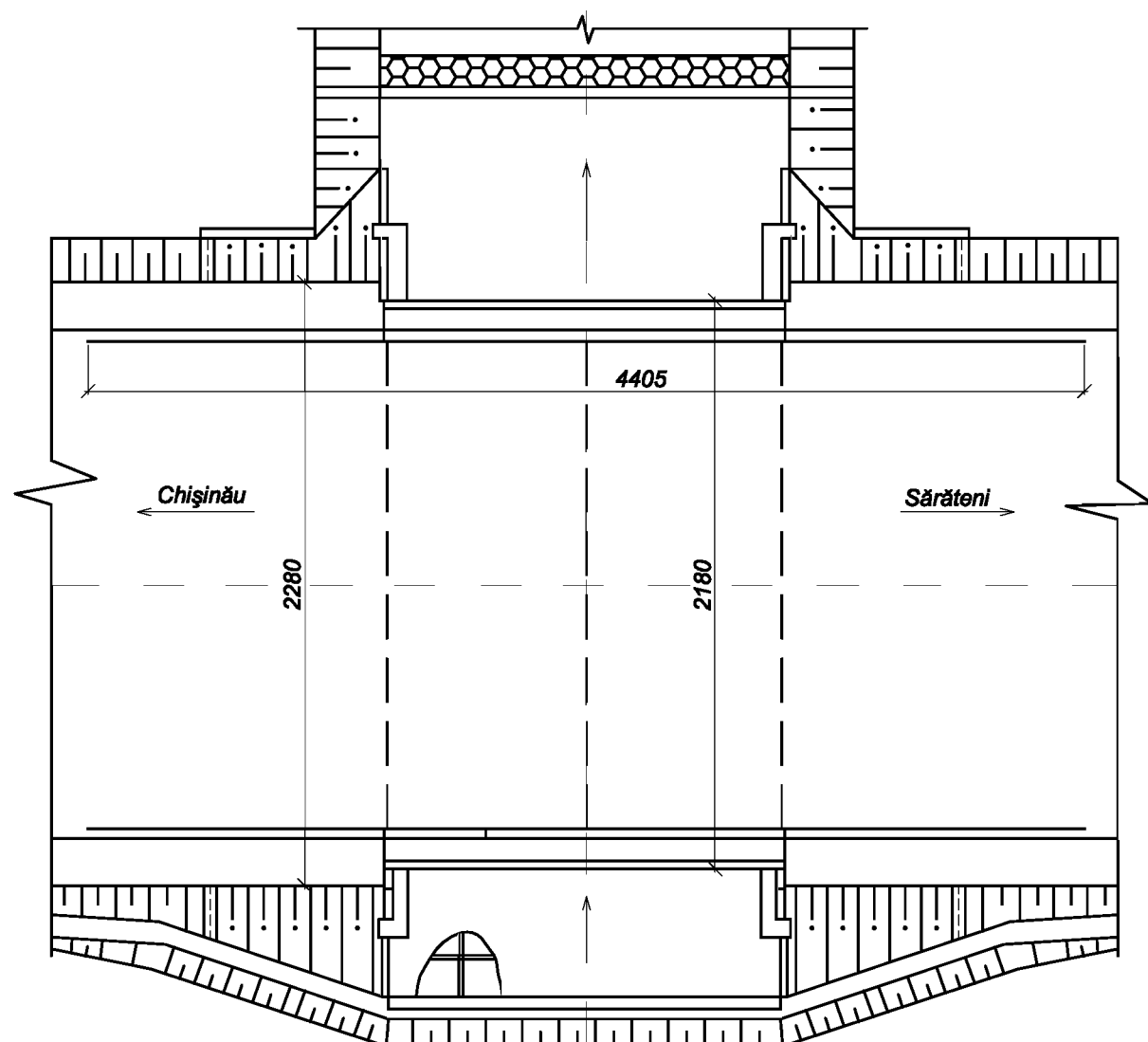
ELEVAȚIE - SIDE ELEVATION



SECȚIUNE TRANSVERSALĂ - CROSS SECTION



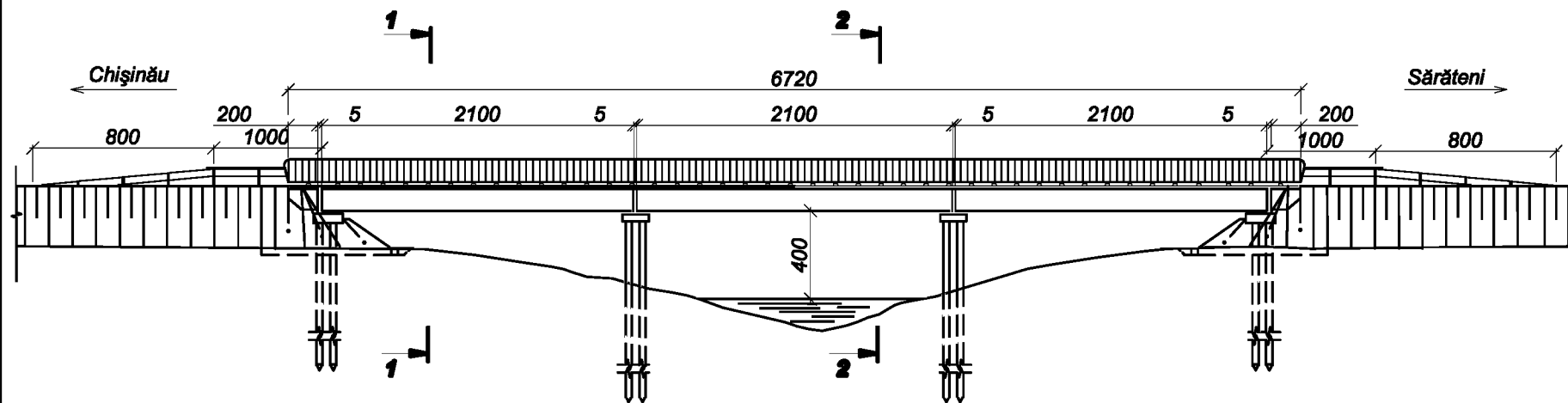
PLAN - TOP VIEW



EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Orhei-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title <b>Bridge.Pod, Km 48 + 755</b>	Designed	Cecan	Scale	1:500
		Checked	Cecan	Drawing	P-P-7
		Control STAS	Belic		

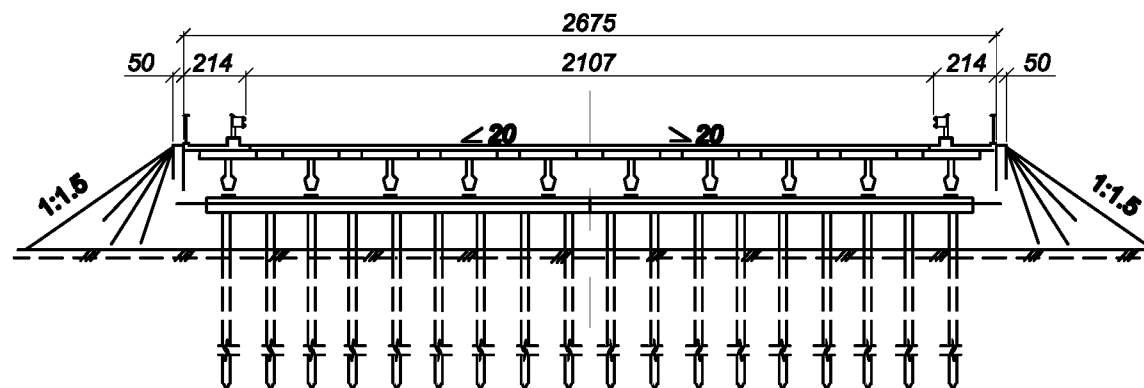
**DISPOZIȚIE GENERALĂ - GENERAL ARRANGEMENT**

**ELEVAȚIE - SIDE ELEVATION**

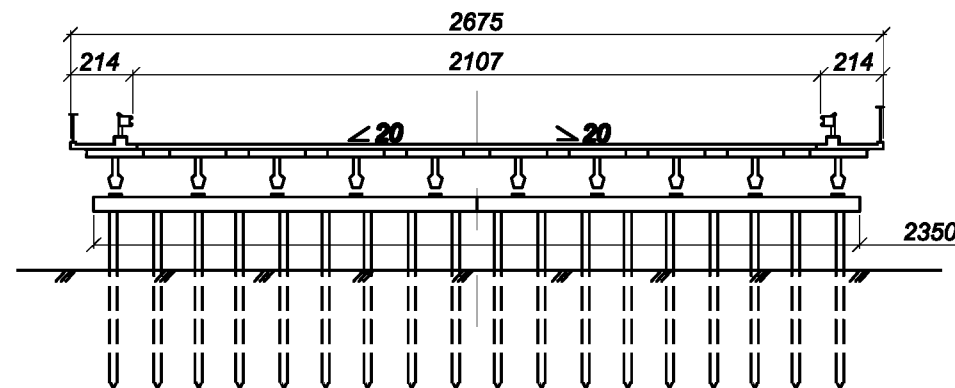


**SECȚIUNE TRANSVERSALĂ - CROSS SECTION**

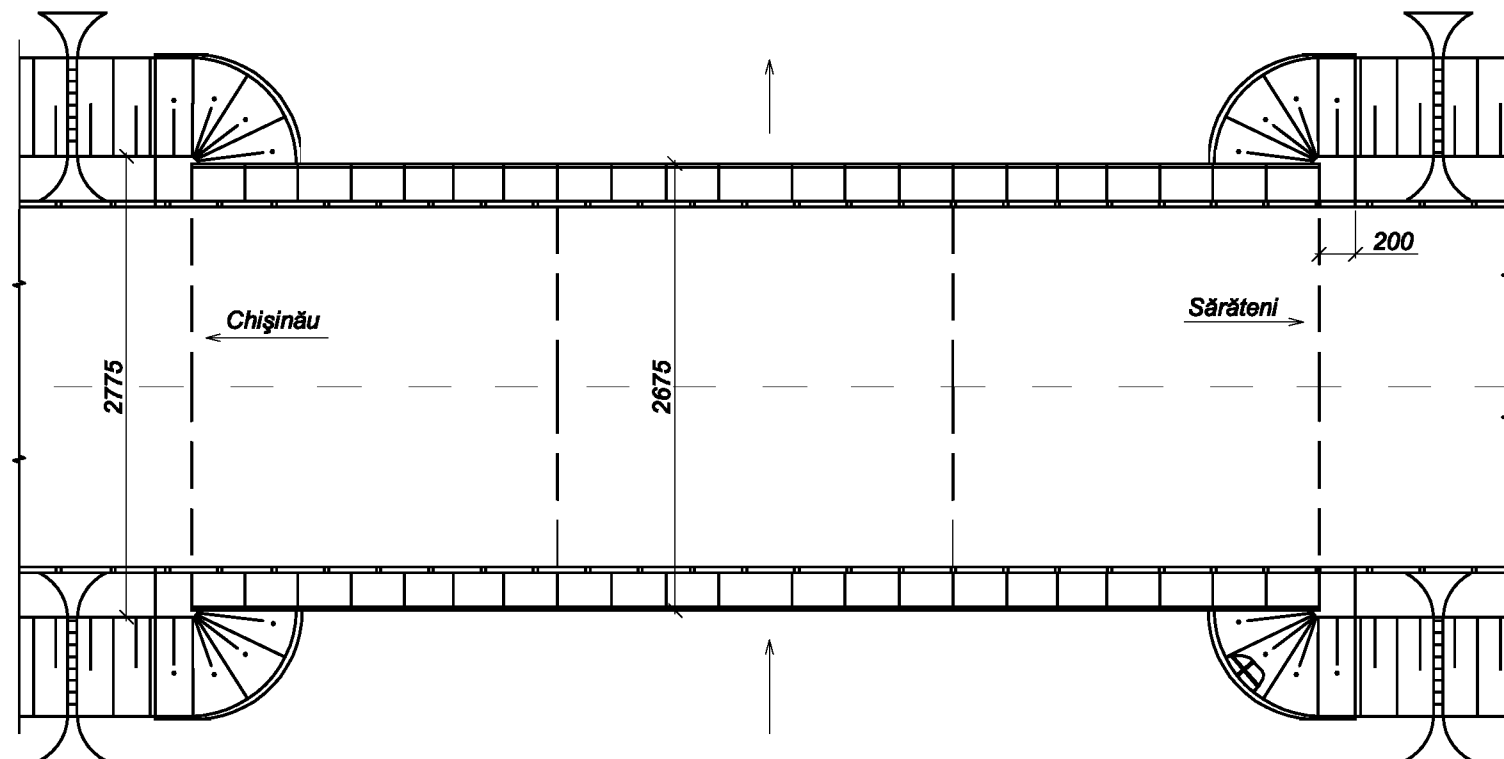
1-1



2-2



**PLAN - TOP VIEW**



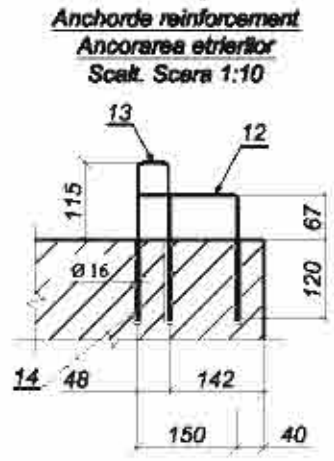
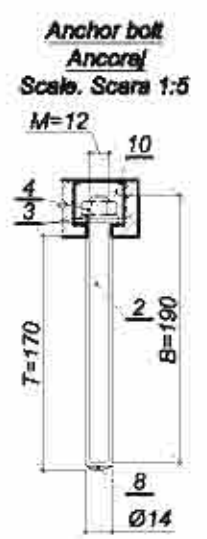
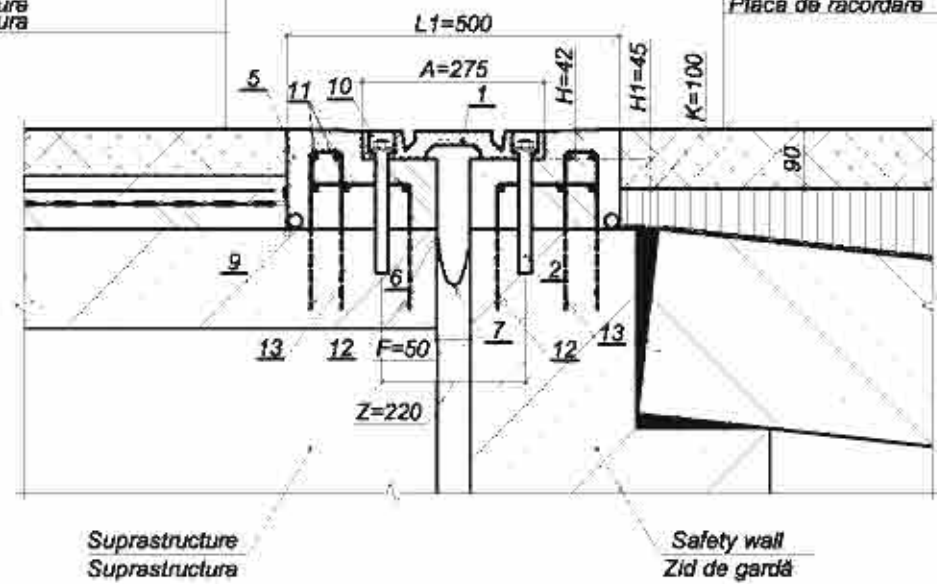
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme Support	Project		
Roughton International TRL Blizzard Universcons	Rehabilitation of M 2 Road Orhei-Sarateni	ISP	Bogza	Date	12.2007
	Drawing title <b>Bridge.Pod, Km 53 + 563</b>	Designed	Cecan	Scale	1:500
		Checked	Cecan	Drawing	P-P-8
		Control STAS	Belic		



**Expansion joint**  
**Rost de dilatație ALGAFLEX T50**  
Scale. Scara 1:10

Dens asphalt concrete. Beton asfaltic dens	70
Protective layer. Strat de protecție	40
Waterproofing. Strat de hidroizolare	5
Regulating course. Strat de egalizare	30
Suprastructura	

Dens asphalt concrete Beton asfaltic dens	90
Porous asphalt concrete Beton asfaltic poros	60
Waterproofing Strat de hidroizolare	
Approach beam Placa de racordare	



**Table of elements**  
**Tabela pieselor**

Poz.	Shape Echiz
12	
13	

**Quantities for proprietary expansion joint with elastomer elements, 1.0m long**  
**Specificația rostului de dilatație cu element de acoperire elastomeric pentru 1,0m lungime**

Formet	Zone	Position Pozitie	reference Indicativ	Item Denumirea	Quantity Cant.	Note Notă
				<b>Expansion joint</b> <b>Rost de dilatație ALGAFLEX T50</b>	Set	L=1,0 m
				<b>Joint elements of the set</b> <b>Piesele rostului din setul ALGAFLEX T50</b>		
		1	Set ALGAFLEX T50	Reinforced rubber pad Placa de acoperire din cauciuc armat ALGAFLEX-GOMMA		
		2		Anchor bolt. Bulon de ancorare (C40 + DACROMET 320)		
		3		Bolt washer. Șaibă de bulon (R40 / R60 + DACROMET 320)		
		4		Bolt nut. Piulița bulonului (Cl. 6S + DACROMET 320)		
		5		Polymer concrete. Beton polimeric (Tigigrount 102FR)		
		6		Epoxy Glue Clei epoxid (Tigigrount T01)		
		7		Rubber membrane. Membră din cauciuc (Tigitec - E)		
		8		Epoxy Glue Clei epoxid (Tigiepox Grount)		
		9		Polythene drainage pipe Teavă de drenaj din polimer (PVC Ø20)		
		10		Sealing material Material de sigilare (Tigitar A)		
				<b>Joint elements of local materials</b> <b>Piesele rostului din materiale locale</b>		
		11	ГОСТ 5781-82*	Ø12 A-III, l=1000	10	0,9 kg
		12	ГОСТ 5781-82*	Hoop iron. Etrier, Ø12 A-II, l=499	10	0,5 kg
		13	ГОСТ 5781-82*	Hoop iron. Etrier, Ø12 A-II, l=493	10	0,5 kg
		14		Epoxy Glue for anchoring reinforcement Clei epoxid pentru ancorarea etrierilor	-	10 Kg

**Note: Note:**

- The length of item requires jointing of reinforcing bars by welding complying with jointing type C23-P3 GOST 14098-01.
- The design shows the expansion joint using elements manufactured by Italian Co "ALGA SPA", previously used for repairs to bridges in Chișinău.

The Contractor may propose an alternative proprietary joint for the Employer's and Designer's consent.

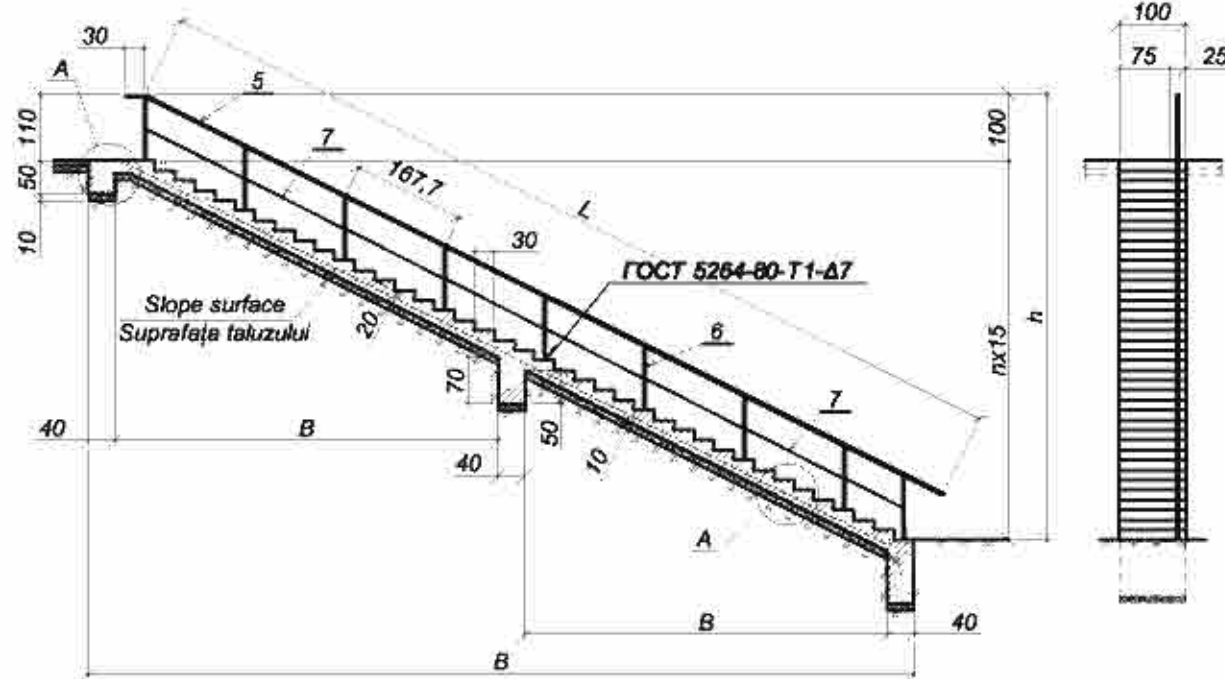
- Lungimea poziției 11 include necesitatea îmbinării barelor de armătură prin sudură conform tipului de îmbinare C23-P3 ГОСТ 14098-01.  
Proiectul prevede acoperirea rostului de dilatație cu elemente din setul ALGAFLEX produs de firma Italiană "ALGA SPA".  
Antreprenorul, cu acordul Beneficiarului și Proiectantului, poate propune o altă construcție similară de acoperire a rostului.

**Note: Note**  
For bridges at: Km 39+164, Km 43+255, Km 44+336,  
Km 45+280, Km 53+053  
Pentru podurile: Km 39+164, Km 43+255, Km 44+336,  
Km 45+280, Km 53+053

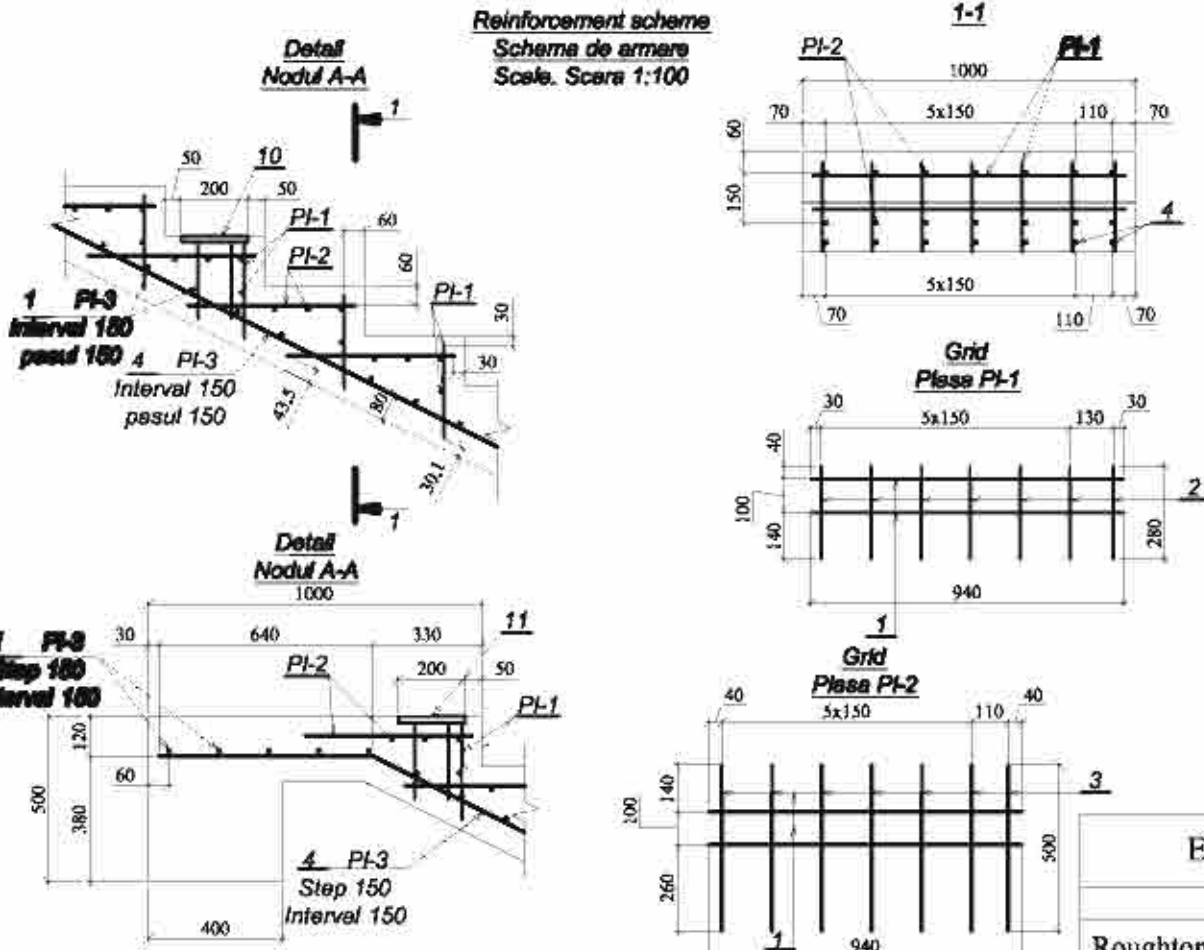
Nr. inv. cat. Scara la date Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme	Support	Project	
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007
TRL	Chișinău-Sarateni	Designed	Cecan	Scale	1:500
Blizzard	Drawing title	Checked	Bogza	Drawing	
Universcons	Proprietary expansion joint with elastomer element Rost de dilatație cu element de acoperire elastomerică	Control STAS	Belic		<b>RD-P-1</b>

Formwork  
Schema de cofraj  
Scale. Scara 1:100



Reinforcement scheme  
Schema de armare  
Scale. Scara 1:100



Quantities for 1.0m access stairs on the slope  
Specificația pentru scară de serviciu la 1.0 m lățime pe taluz

Formet	Zone	Position	Reference Indicativ	Item Denumirea	Quantity	Unit	Note	
					<b>Assembly elements</b> <i>Elemente de asamblare</i>			
					<b>Grid</b> <i>Plasa PI-1</i>			
FP	1		ГОСТ 5781-82*	Ø12 A-III, l=940	3		3,7 kg	
FP	2		ГОСТ 5781-82*	Ø12 A-III, l=280	2		0,8 kg	
					<b>Grid</b> <i>Plasa PI-2</i>			
FP	1		ГОСТ 5781-82*	Ø12 A-III, l=940	7		0,3 kg	
FP	3		ГОСТ 5781-82*	Ø12 A-III, l=500	3		4,4 kg	
					<b>Grid</b> <i>Plasa PI-3</i>			
FP	1		ГОСТ 5781-82*	Ø12 A-III, l=940	2		0,8 kg	
FP	4		ГОСТ 5781-82*	Ø12 A-III, l=1000	7		0,4 kg	
					<b>Handrails</b> <i>Parapet</i>			
FP	5		ГОСТ 8732-78	Plă. țeavă Ø50, δ=2,5, l=1000	1		3,4 kg	
FP	6		ГОСТ 8732-78	Plă. țeavă Ø50, δ=2,5, l=1050	1		3,1 kg	
FP	7		ГОСТ 8732-78	Plă. țeavă Ø50, δ=2,5, l=1565	1		4,6 kg	
					<b>Elements</b> <i>Piese</i>			
A3	10			Embedded base plate <i>Piesă înglobată PI-3</i>	1		6,6 kg	
					<b>Materials</b> <i>Materiale</i>			
					ГОСТ 26633-91*		Concrete. Beton cl.B25, F200, W6	0,34 m³
					ГОСТ 8267-93		Granite crushed stone <i>Piastră spartă de granit, h=10 cm</i>	0,1 m³

Consumption of steel for 1.0m length of element on the slope  
Consumul de metal pentru 1.0m lățime pe taluz a elementului, kg

Element Type Marca elementului	Reinforcement Plasa de armare		Handrail elements Plasa parapet		Embedded elements Plasa înglobată				Total weight Greutate totală			
	Bar type Clasa armaturii		Steel type Tipul metalului		Bar type Clasa armaturii	Steel type Tipul metalului	Bar type Clasa armaturii	Steel type Tipul metalului				
	ГОСТ 5781-82*	Ø12 Rez.	ГОСТ 103-78**	Ø80 Rez.	ГОСТ 5781-82*	ГОСТ 103-78**	Ø16 Rez.	Ø10x20 Rez.				
Scale Scara	37,0	37,0	37,0	11,1	11,1	11,1	1,6	1,6	5,0	5,0	6,6	54,7

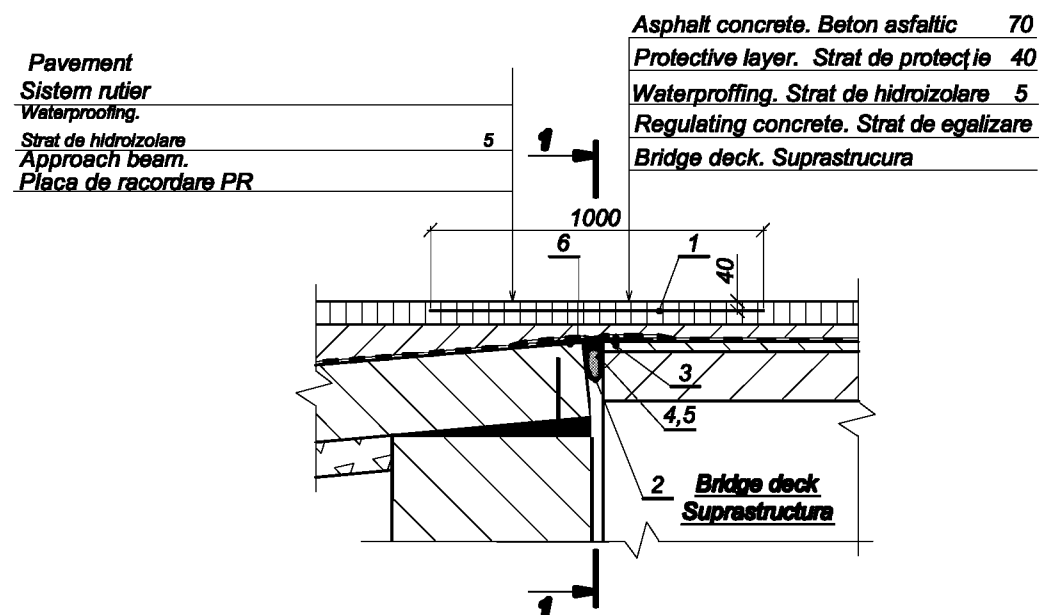
Notă: Note  
For bidings at : Km 30+100 Km 43+200  
Pentru postările la : Km 30+100 Km 43+200

Nr. inv. cofr. Scara la date Soluția nr.

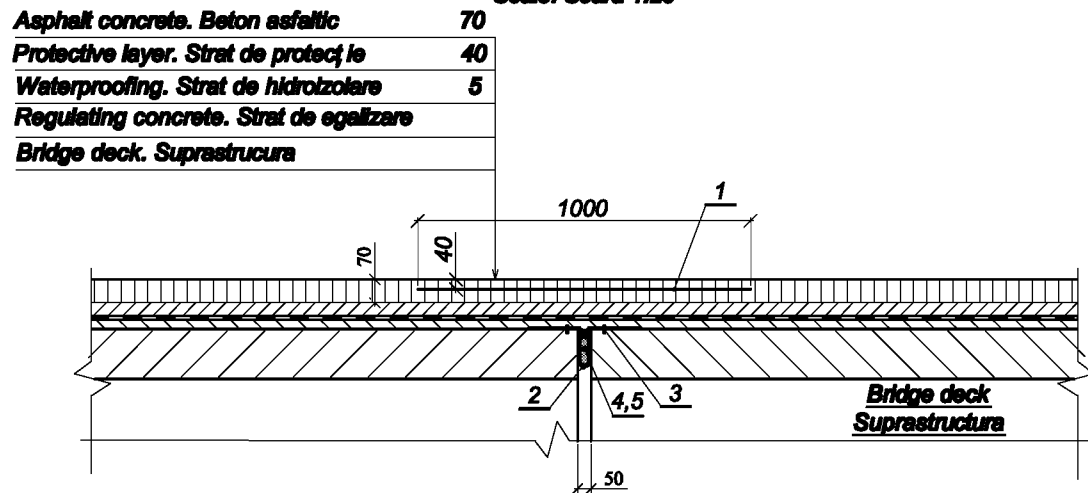
Notă: Note:  
Handrail elements to be painted in 2 layers on top of priming coat according to SNIP  
The colour of paint to be agreed with the Engineer  
Elementele parapetului se vopsește în două straturi de vopsea pe un strat de grunduire conform cerințelor CHuI 2.05.11-85 și CP E.04.03.-2005.  
Culoarea vopselei se va coordona împreună cu investitorul.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector	Programme	Support	Project	
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500
Blizzard	Drawing title	Checked	Bogza	Drawing	88-P-1
Universcons	Access stairs on the slope Scară de serviciu pe taluz	Control STAS	Belic		

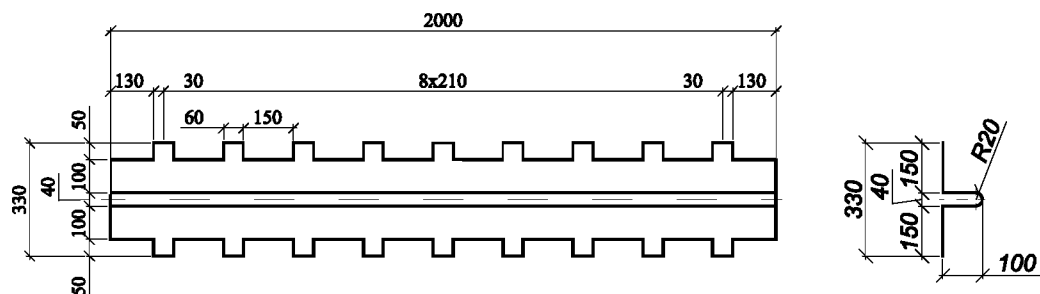
**Expansion joint at the abutment**  
**Rostul de dilatație la culcuș**  
 Scale. Scara 1:20



**Joints between the spans**  
**Rostul între deschideri**  
 Scale. Scara 1:20



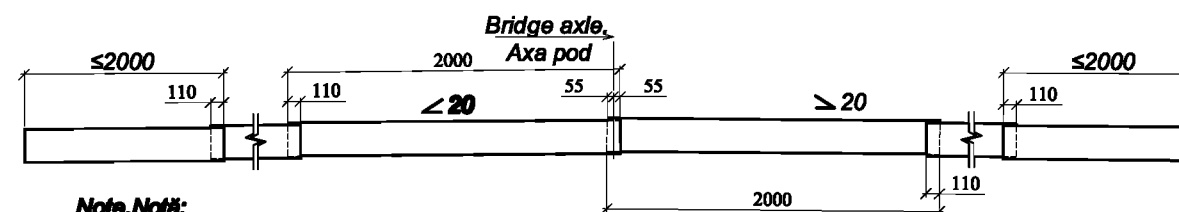
**Lyre-shaped brass sheet**  
**Liră din tablă de alamă (poz.3)**  
 Scale. Scara 1:20



**Quantities for lin.m of expansion joints**  
**Specificația rosturilor de dilatație pentru 1 m.liniar**

Formet	Zone, Zona	Localiz. Pozitia	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Notes. Notă
				<b>Expansion joint at the abutment</b> <b>Rost de dilatație la culcuș</b>		
FP	1		Pr.tip seria 3.503.1-101, ediția 0	Glass fibre mesh Plasă CFIAI cu fibre de sticlă, L=1,0 m	-	1,0 m <sup>2</sup>
FP	2		ГОСТ 19904-74	Lyre-shaped brass sheet Lira din tablă de alamă	-	0,5 m <sup>2</sup>
FP	3		ГОСТ 19904-74	Steel expansion bolt Dibluri de oțel, L=5cm	12	0,008 kg
FP	4		Pr.tip seria 3.503.1-101, ediția 0	Bituminous mastic Mastic de bitum	-	1,5 kg
FP	5		Pr.tip seria 3.503.1-101, ediția 0	Hemp rope saturated with bitumen Frânghie din cânepă îmbibată cu bitum	-	0,7 kg
FP	6		CHUТ 3.06.04-91	Epoxy Glue. Clei epoxid	-	0,6 kg
				<b>Span joints</b> <b>Rost între deschideri</b>		
	1		Pr.tip seria 3.503.1-101, ediția 0	Glass fibre mesh Plasă CFIAI cu fibre de sticlă, L=1,0 m	-	1,0 m <sup>2</sup>
	2		ГОСТ 19904-74	Lyre-shaped brass sheet Lira din tablă de alamă	-	0,5 m <sup>2</sup>
	3			Steel expansion bolts Dibluri de oțel, L=5cm	12	0,008 kg
	4		Pr.tip seria 3.503.1-101, ediția 0	Bituminous mastic Mastic de bitum	-	1,5 kg
	5		Pr.tip seria 3.503.1-101, ediția 0	Hemp rope saturated with bitumen Frânghie din cânepă îmbibată cu bitum	-	0,7 kg
	6		CHUТ 3.06.04-91	Epoxy Glue Clei epoxid	-	0,6 kg

**1-1**  
**(modul de instalare a lirez)**  
**(Method of lyre-shaped sheet installation)**



Notes. Notă:

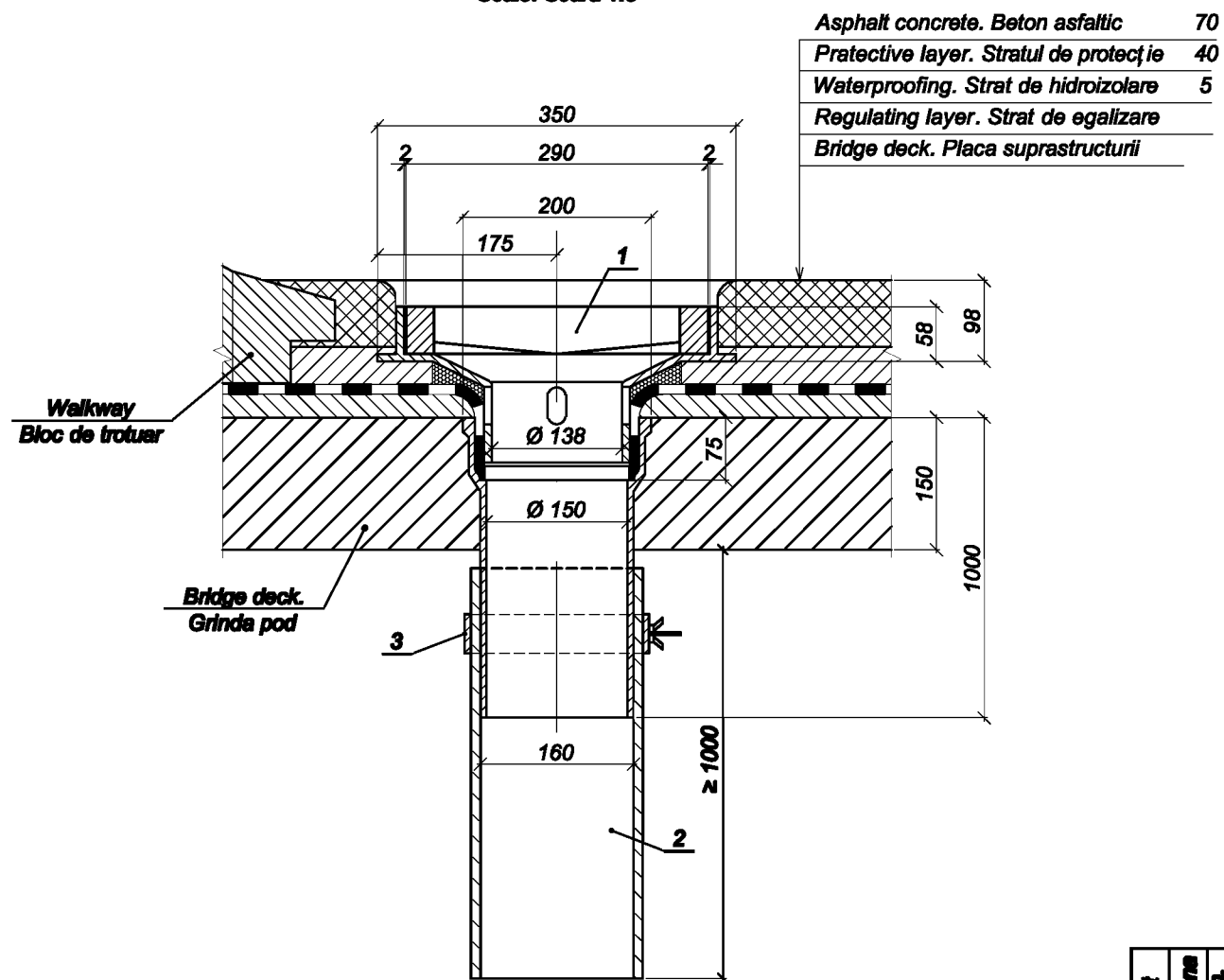
1. Brass type:sec  
Marca alamel vezi Pr.tip 3.503.1-101.
2. The Lyre-Shaped (brass) element shall be glued to the top surface of bress sheet the deck and approach slabs with epoxy glue .  
Înainte de fixare, suprafața de rezemare a lirez din tablă de alamă și suprafața betonului de suport se ung cu clei epoxid cu grosimea de 2mm.

Notă: Note  
 For bridges at:Km 27+372;Km 34+588.  
 Pentru podurile:Km 27+372;Km 34+588.

Nr. inv. orig. Semnat în data Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500
Blizzard	Drawing title	Checked	Bogza	Drawing	RD-P-1
Universcons	Expansion joints Rost de dilatație	Control STAS	Belic		

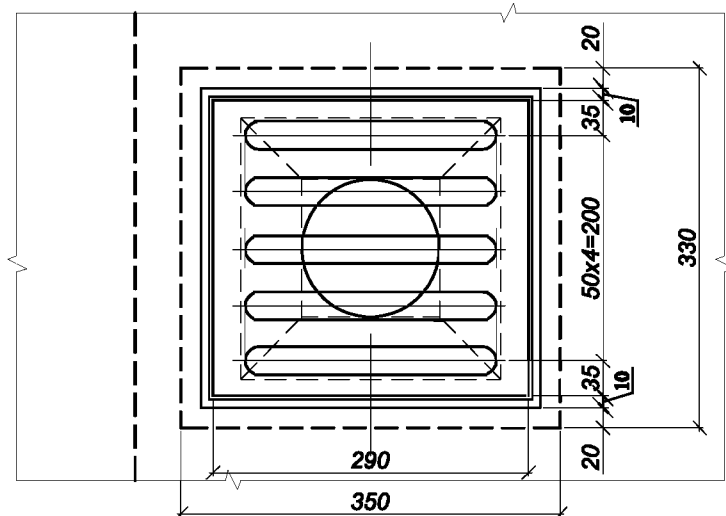
**Chute**  
**Dispozitiv pentru evacuarea apei**  
**Scale. Scara 1:5**



- Asphalt concrete. Beton asfaltic 70
- Protective layer. Stratul de protecție 40
- Waterproofing. Strat de hidroizolare 5
- Regulating layer. Strat de egalizare 5
- Bridge deck. Placa suprastructurii 1000

**Quantities for chutes**  
**Specificația dispozitivului pentru evacuarea apei**

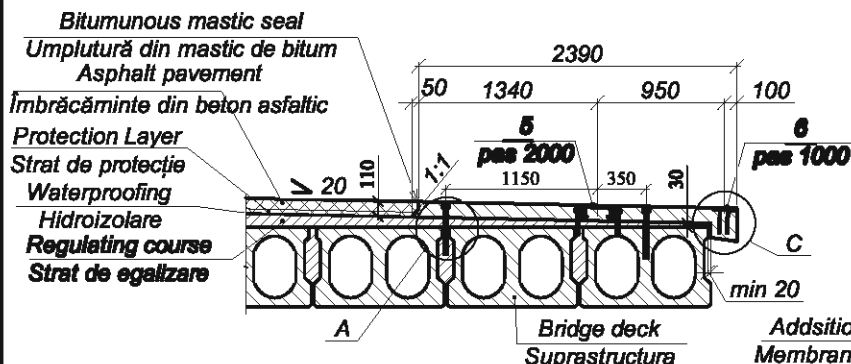
Formet	Zone. Zona	Position. Poziția	Reference. Indicativ	Title. Denumirea	Quantity Cant.	Note. Notă
				<b>Assembly elements</b> <b>Elemente de asamblare</b>		
FP	1		Pr. tip 3.503.1-91	Grile Grila	1	18,0 kg
FP	2			Polythene drainage pipe Tevă de drenaj din polimer (PVC) Ø160, l ≥ 1000	1	-
FP	3		ГОСТ 103-76*	-3x50, l=636	1	0,8 kg



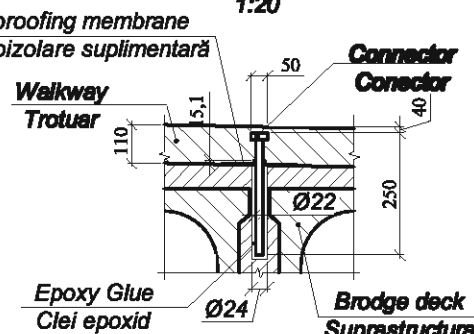
Nr. inv. orig. Semnat în data Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International	Rehabilitation of M3 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sarateni, Km45+286; Km53+563	Designed	Cecan	Scale	1:500
Blizzard	Drawing title	Checked	Bogza	Drawing	DE-P-1
Universcons	<b>Chutes.</b> <b>Dispozitiv pentru evacuarea apei.</b>	Control STAS	Belic		

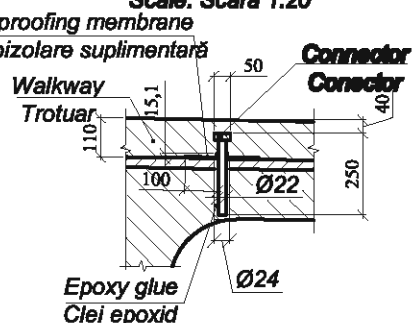
**RC walkway 1.5m wide for slab bridge deck**  
**Trotuar din beton armat pentru lățimea de 0,75 m pentru suprastructură din dale**  
**Formwork. Schema de cofraj**  
**Scale. Scara 1:50**



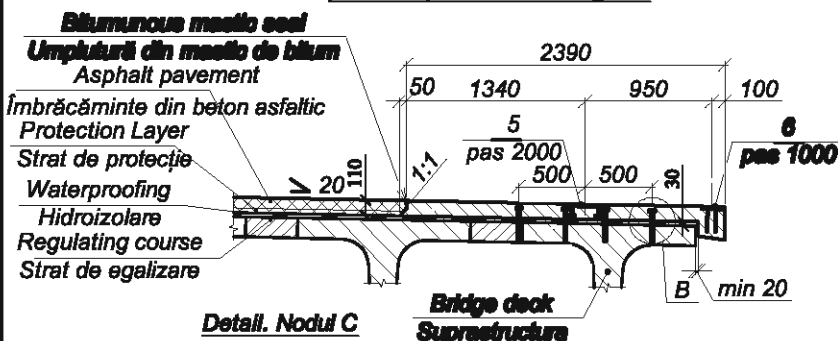
**Detail. Nodul A**  
**Scale. Scara 1:20**



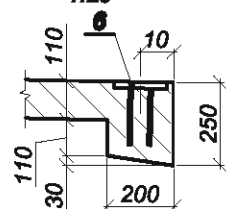
**Detail. Nodul B**  
**Scale. Scara 1:20**



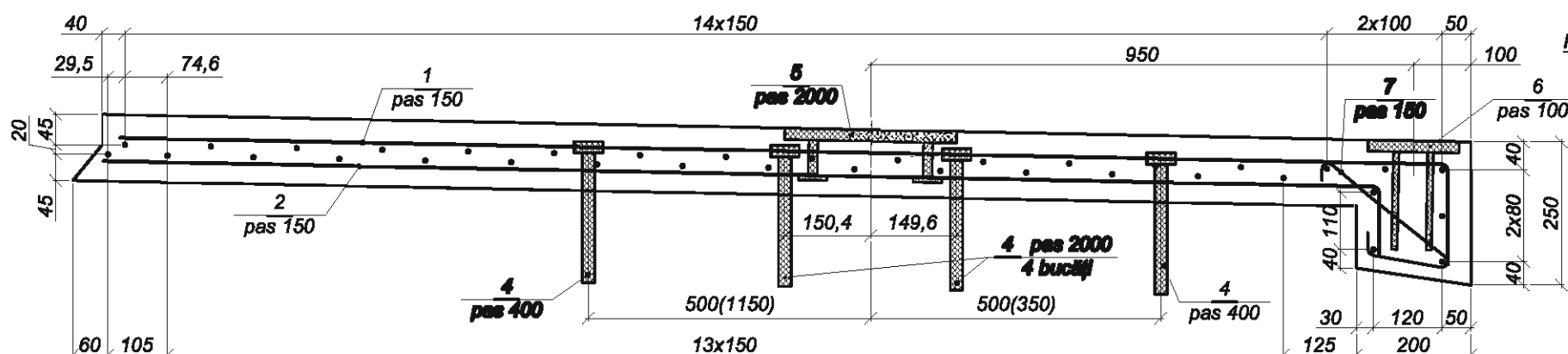
**RC walkway 1.0 wide for beam bridge deck**  
**Trotuar din beton armat pentru lățimea de 1,0 m pentru suprastructură din grinzi**



**Detail. Nodul C**  
**Scale. Scara 1:20**



**Reinforcement**  
**Schema de armare**  
**Scale. Scara 1:10**



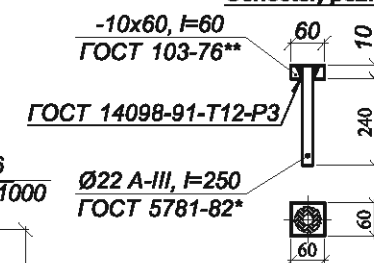
**Quantities for walkways, 0.75m wide, 2m long**  
**Specificația blocului de trotuar cu lățimea de 0,75m pentru 2 m de lungime**

Format	Zone	Position	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Note. Notă
Assembly elements / Elemente de asamblare						
FP	1		ГОСТ 5781-82*	Ø14 A-III, l=2490	13	3,0 kg
FP	2		ГОСТ 5781-82*	Ø14 A-III, l=2350	13	2,8 kg
FP	3		ГОСТ 5781-82*	Ø12 A-III, l=2000	36	1,8 kg
FP	4			Connector	14	1,2 kg
A4	5			Embedded base plate	1	22,1 kg
A4	6			Piesă înglobată P1-1	2	6,4 kg
FP	7		ГОСТ 5781-82*	Ø8 A-I, l=500	13	0,2 kg
Materials / Materiale						
				ГОСТ 26633-91*	Beton cl. B30, F200, W4	0,58 m³

**Consumption of steel for 2m of elements, kg**  
**Consumul de metal pentru 2m de element, kg**

Element Type / Marca elementului	Reinforcement. Piese de armare						Embedded elements. Piese înglobate								Total weight / Greutate totală	
	Bar type. Clasa armăturii						Bar type / Clasa armăturii		Steel type. Marca metalului							
	A-I	A-III					A-II	BCm3cn2								
	ГОСТ 5781-82*						ГОСТ 5781-82*				ГОСТ 103-76**					
	Ø8	Rez.	Ø12	Ø14	Rez.	Total	Ø16	Ø22	Rez.	300x20	100x20	50x20	50x10	Rez.	Total	
Trotuar 0,75 m	2,6	2,6	64,8	75,4	140,2	142,8	5,6	14,0	19,6	16,5	10,0	3,2	2,75	32,5	52,1	194,9

**Connector**  
**Conector, poz.4**



**Table of elements (continuation)**  
**Continuarea tabelul pieselor**

Poz.	Shape / Echipă
7	

**Notă: Note**  
**For bridges at Km 30+164.**  
**Penru podurile: Km 30+164.**

**Notă: Note**

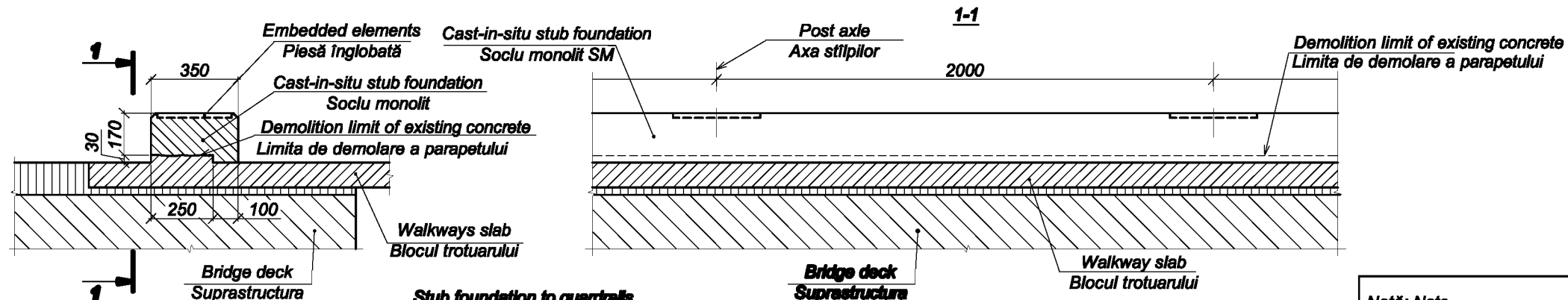
- The figures in brackets refer to bridge deck slab with gaps.
- Detale din paranteze se referă la suprastructura din plăci cu goluri.
- For each embedded base plate P1-1 (poz.5) - 4 units of connectors
- Pentru fiecare piesă înglobată P1-1 (poz.5) se prevede amplasarea a 4 bucăți de conectori.

Nr. inv. orig. / Semnat în data / Schimb. nr.

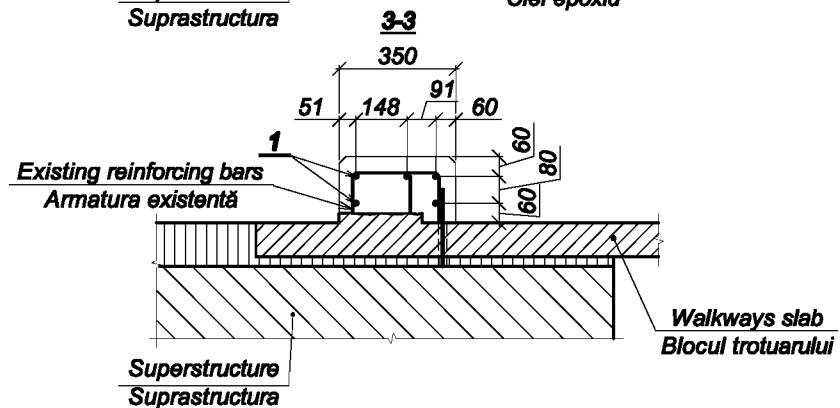
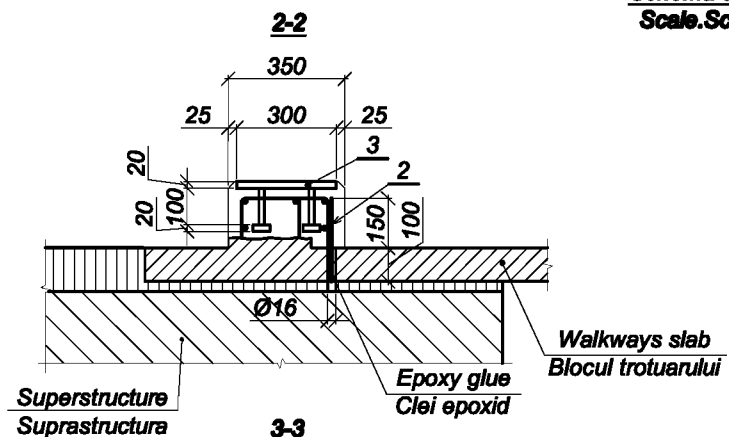
EBRD Republic of Moldova Ministry of Transport and Road Industry  
 Road Sector Programme Support Project State Road Administration

Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500
Blizzard	Drawing title: RC walkway 0.75m wide	Checked	Bogza	Drawing	TB-P-1
Universcons	Trotuar din beton armat cu lățimea de 0,75 m	Control STAS	Belic		

**Stub foundation to guardrails**  
**Socluul parapetilor de siguranță**  
**Formwork. Schema de cofraj**  
**Scale. Scara 1:20**

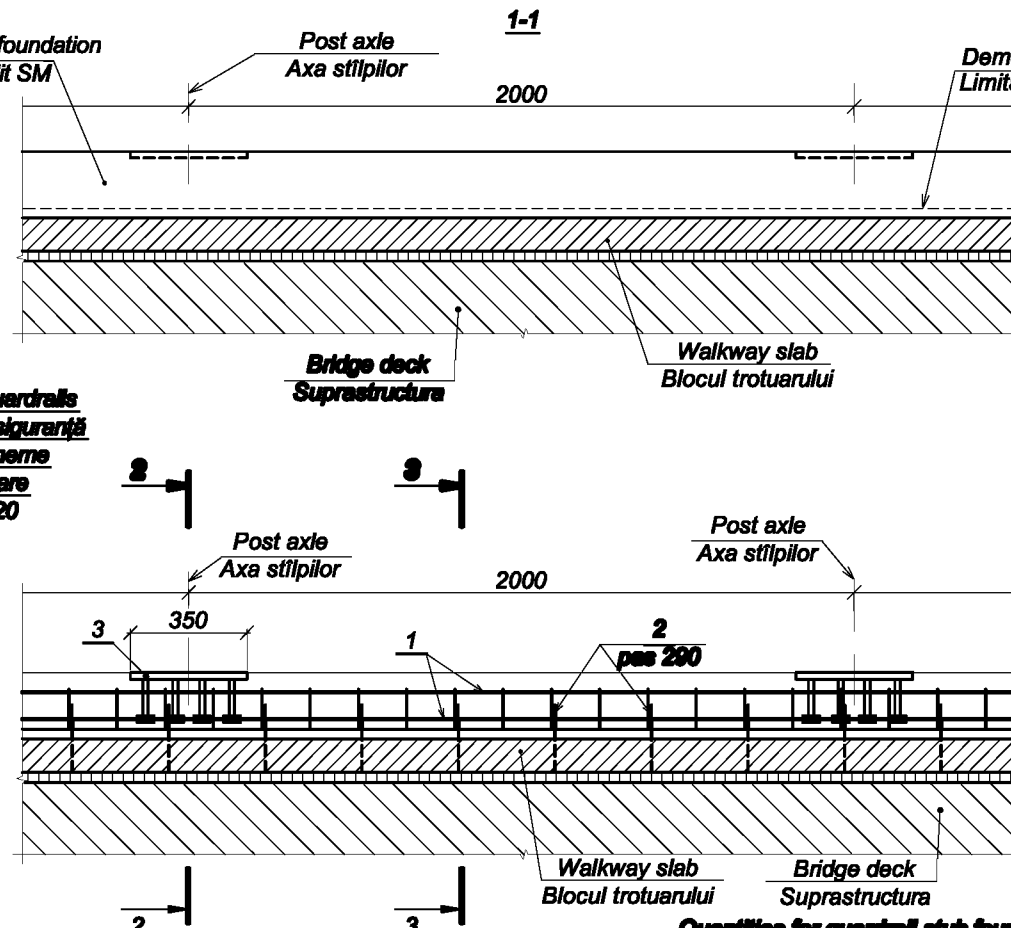


**Stub foundation to guardrails**  
**Socluul parapetilor de siguranță**  
**Reinforcement scheme**  
**Schema de armare**  
**Scale. Scara 1:20**



**Consumption of steel for 2m length of element**  
**Consumul de metal pentru 2m lungime a elementului, kg**

Element Type Marca elementului	Reinforcement. Piese de armare			Embedded elements. Piese înglobate							Total weight Greutate totală
	Bar type. Clasa armaturii			Class armaturii		Steel type. Marca metalului					
	A-III			A-II	BCm3on2						
	Ø14	Rez.	Total	Ø16	Rez.	300x20	-	50x20	Rez.	Total	
Stub foundation Soclu	14,1	14,1	14,1	2,4	2,4	16,5	-	3,2	19,7	22,1	36,2



**Quantities for guardrail stub foundation, 2m long**  
**Specificația soclului parapetilor metalici de siguranță la 2 m lungime**

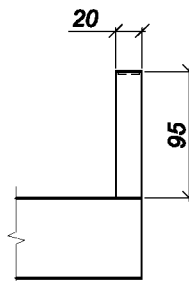
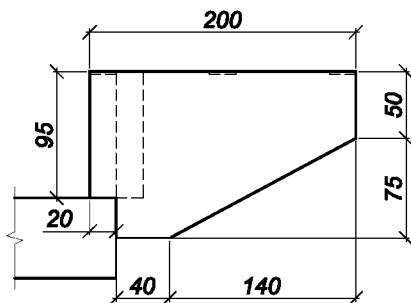
Format	Zona	Position	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Note
				<b>Assembly elements</b> Elemente de asamblare		
FP	1		ГОСТ 5781-82*	Ø14 A-III, l=2000	5	2,4 kg
FP	2		ГОСТ 5781-82*	Ø14 A-III, l=250	7	0,3 kg
FP	3			Embedded elements Piesă înglobată P1-1	1	22,1 kg
				<b>Materials</b> Materiale		
			ГОСТ 26633-91*	Concrete Beton cl. B30, F200, W4		0,13 m³
				Epoxy glue Clei epoxid		0,001 m³

**Notă: Note**  
 For bridges at:  
 Km 27+372; Km 34+588; Km 43+255;  
 Km 44+335; Km 45+286; Km 48+755;  
 Km 53+563; Km 69+063.  
 Pentru podurile:  
 Km 27+372; Km 34+588; Km 43+255;  
 Km 44+335; Km 45+286; Km 48+755;  
 Km 53+563; Km 69+063.

Nr. inv. orig. Semnat în data Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500
Blizzard	Drawing title Stub foundation of Guardrail	Checked	Bogza	Drawing	SP-P-1
Universcons	Socluul parapetilor de siguranță a circulației vehiculelor	Control STAS	Belic		

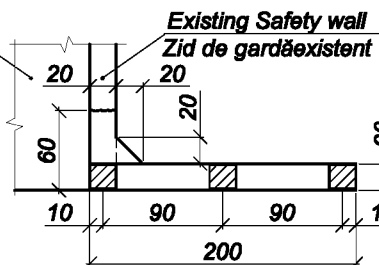
**Formwork**  
**Schema de cofraj**  
Scale. Scara 1:50



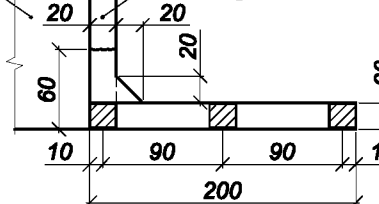
**Table of elements (continuation)**  
**Continuarea tabelai pieselor**

Poz.	Shape Echiz
9	I=200
10	

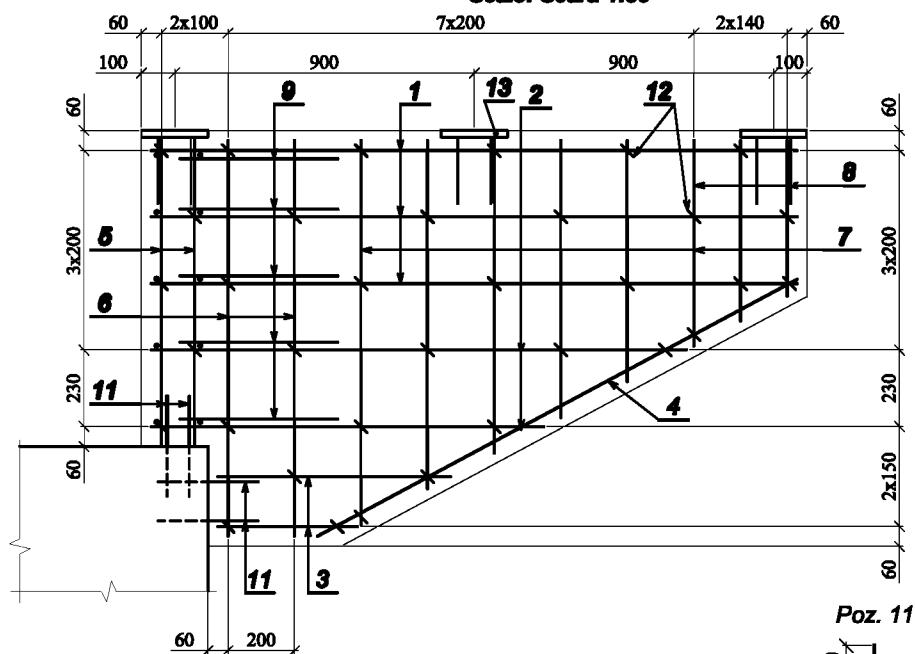
**Existing collar beam**  
**Rigla existentă**



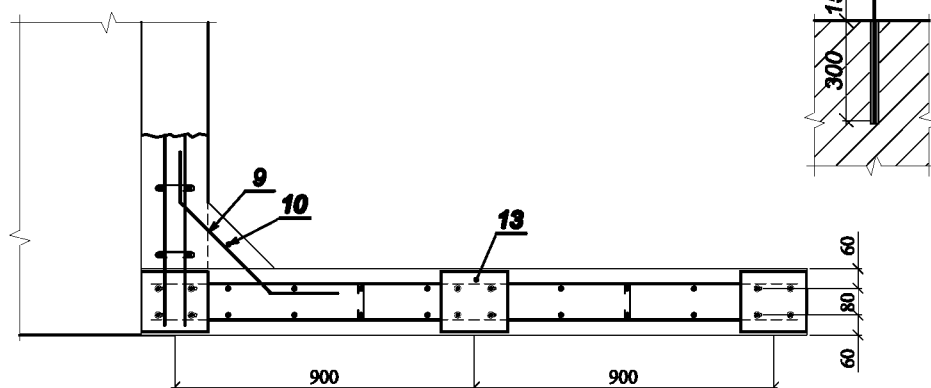
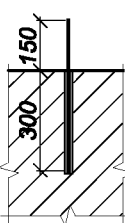
**Existing Safety wall**  
**Zid de gardă existent**



**Reinforcement scheme.**  
**Schema de armare**  
Scale. Scara 1:50



Poz. 11



**Quantities for the wing wall, 2m**  
**Specificația pentru aripa 2,0 m**

Formet	Zone. Zona	Position Pozitia	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Note Notă
<b>Elements</b> <b>Piese</b>						
FP		1	ГОСТ 5781-82*	Ø14 A-III, l=1940	6	2,4 kg
FP		2	ГОСТ 5781-82*	Ø14 A-III, l=1606+1178, lmed=1393	4	1,7 kg
FP		3	ГОСТ 5781-82*	Ø14 A-III, lmed=558	4	0,7 kg
FP		4	ГОСТ 5781-82*	Ø14 A-III, l=1635	2	2,0 kg
FP		5	ГОСТ 5781-82*	Ø10 A-I, l=920	4	0,6 kg
FP		6	ГОСТ 5781-82*	Ø10 A-I, l=1190	4	0,8 kg
FP		7	ГОСТ 5781-82*	Ø10 A-I, l=1154+618, lmed=886	12	0,6 kg
FP		8	ГОСТ 5781-82*	Ø10 A-I, l=543+648, lmed=596	4	0,4 kg
FP		9	ГОСТ 5781-82*	Ø14 A-III, l=735	5	0,9 kg
FP		10	ГОСТ 5781-82*	Ø10 A-I, l=1040	1	0,7 kg
FP		11	ГОСТ 5781-82*	Ø14 A-III, l=450	8	0,5 kg
FP		12	ГОСТ 5781-82*	Ø6 A-I, l=250	35	0,05 kg
FP		13		Embedded base plate Piesă înglobată P1-3	3	6,6 kg
<b>Materials</b> <b>Materiale</b>						
				ГОСТ 26633-91	Concrete Beton B25, F200, W6	0,48 m³

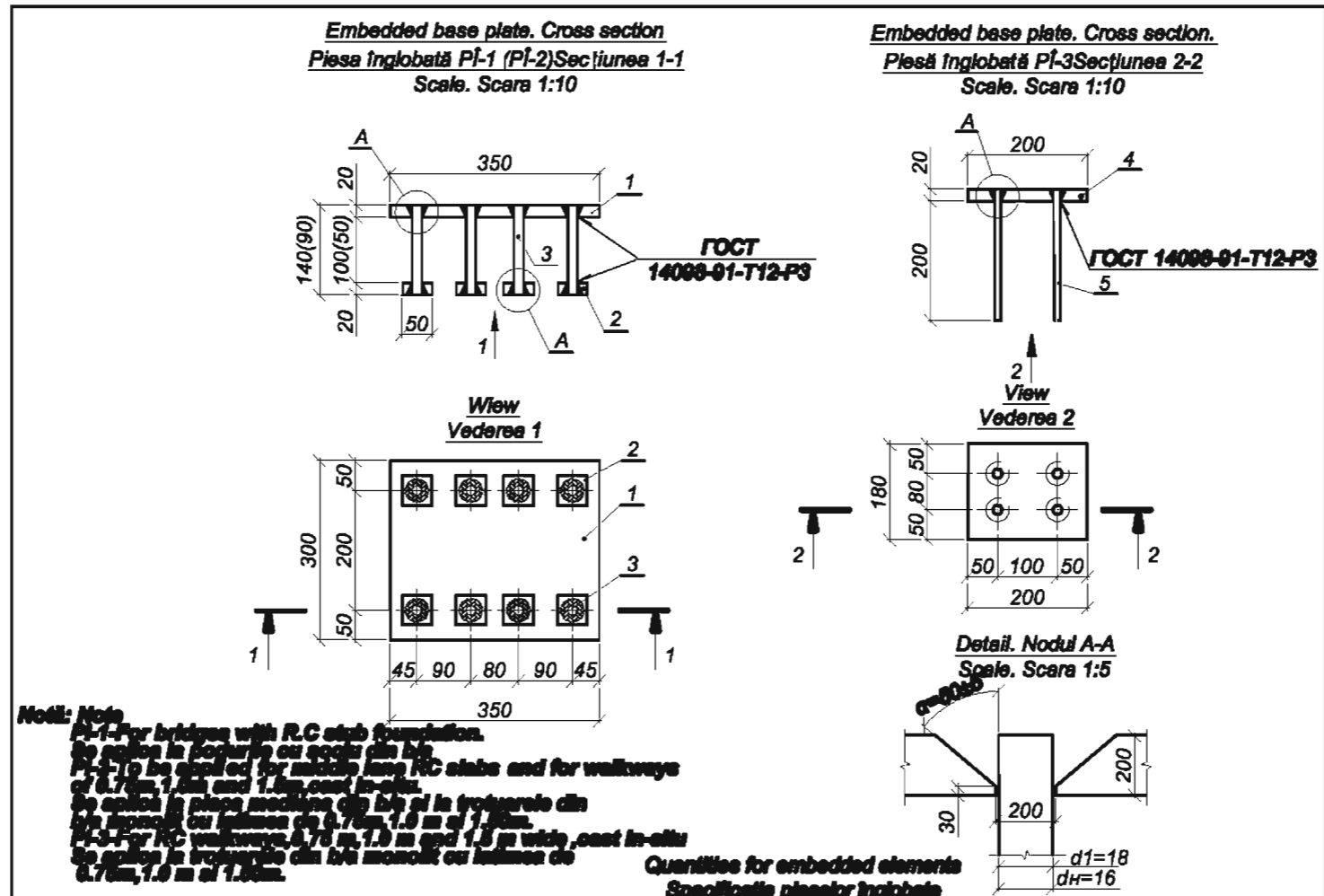
**Consumption of steel for one element**  
**Consumul de metal pentru un element, kg**

Element Type Marca elementului	Reinforcement Piese de armare						Embedded elements. Piese înglobate				Total weight Greutate totală	
	Bar type. Clasa armaturii						Bar type Clasa armaturii					
	A-I		A-III		Total		A-II		BCm3or2			
	ГОСТ 5781-82*						ГОСТ 5781-82*		ГОСТ 103-76**			
	Ø6	Ø10	Rez.	Ø14	Rez.	Total	Ø16	Rez.	-100x20	Rez.	Total	
Wing Aripă 2,0 m	1,8	16,6	17,4	34,5	34,5	51,9	4,8	4,8	15,0	15,0	19,8	71,7

Nr. inv. orig. Semnat în data Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
Road Sector Programme		Support Project			
Roughton International	Rehabilitation of M2 Road Chisinau-Sarateni, Km 36+164.	ISP	Bogza	Date	12.2007
TRL	Drawing title RC wing wall on the abutment collar collar beam, 2m long. Aripa zidului de gardă din beton armat pe rigla culeei, lungimea 2,0 m.	Designed	Cecan	Scale	1:500
Blizzard		Checked	Bogza	Drawing	AZ-P-1
Universcons		Control STAS	Belic		





**Notă: Note**  
 P1-1 For bridges with R.C slab foundation.  
 To aplica în podurile cu placa din beton armat.  
 P1-2 To be applied for middle long R.C slabs and for walkways of 0.7m, 1.0m and 1.5m, cast in-situ.  
 To aplica în placi, medii și lungi și în trotuarele din beton armat cu lățimi de 0.7m, 1.0 m și 1.5m.  
 P1-3 For R.C walkways 0.7 m, 1.0 m and 1.5 m wide, cast in-situ.  
 To aplica în trotuarele din beton armat cu lățimi de 0.7m, 1.0 m și 1.5m.

**Quantities for embedded elements**  
**Specificația pieselor înglobate**

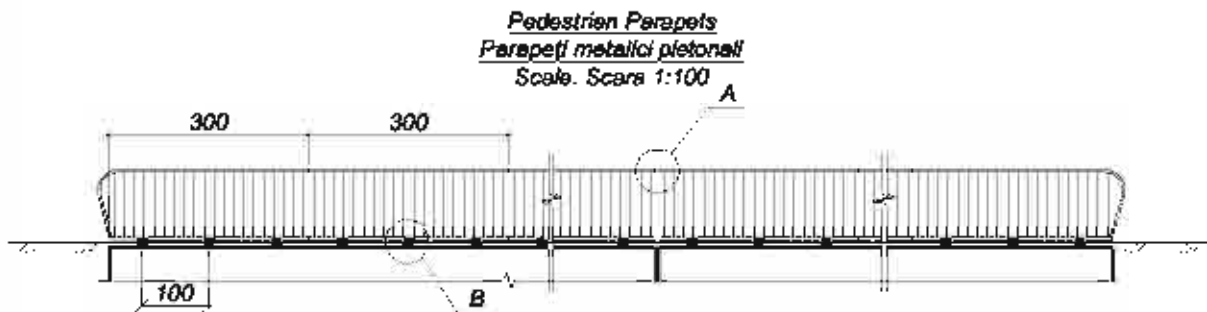
**Notă: Note**  
 For all bridges.  
 La toate podurile.

Format	Zone	Position	Mark	Item.	Quantity	Note
Zone	Position	Marcaj, simbol	Denumirea	Cant.	Notă	
				<b>Embedded base plate</b> <b>Piesă înglobată P1-1 (P1-2)</b>		22,1 kg
				<b>Elements</b> <b>Piese</b>		
FP	1	GOCT 103-76°	-20x300, l=350	1	16,5 kg	
FP	2	GOCT 103-76°	-20x50, l=50	8	0,4 kg	
FP	3	GOCT 5781-82°	Ø16 A-II, l=140 (90)	8	0,3 kg	
				<b>Embedded base plate</b> <b>Piesă înglobată P1-3</b>		6,6 kg
				<b>Elements</b> <b>Piese</b>		
FP	4	GOCT 103-76°	-20x180, l=200	1	5,0 kg	
FP	5	GOCT 5781-82°	Ø16 A-II, l=220	4	0,4 kg	

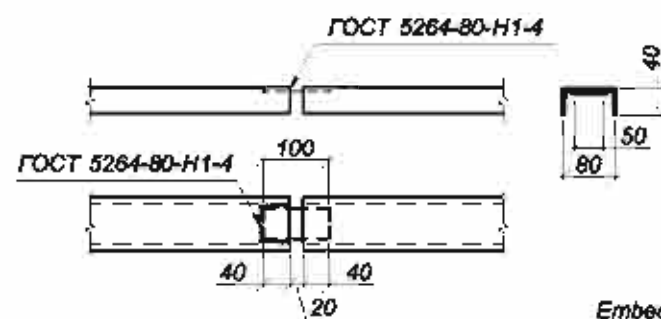
Nr. inv. cat. Solimat. nr. Sumarat la data

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme		Support Project				
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007	
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500	
Blizzard	Drawing title	Checked	Bogza	Drawing	<b>P1-P1</b>	
Universcons	<b>Embedded base plate</b> <b>Piese înglobate P1-1, P1-2, P1-3</b>	Control STAS	Belic			

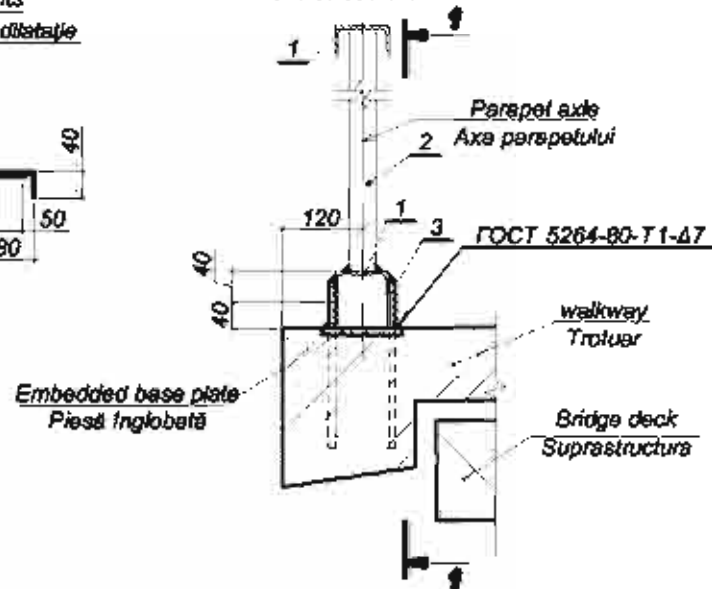




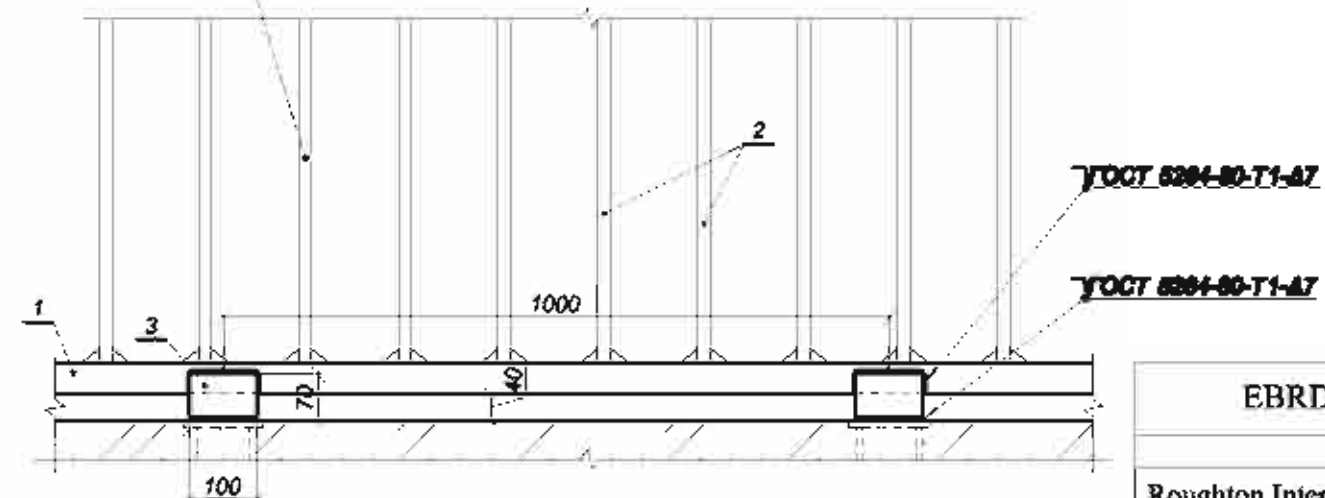
**Detail. Nodul A**  
 Joining of elements at expansion joints  
 Îmbinarea elementului deasupra rostului de dilatație  
 Scale. Scara 1:10



**Detail. Nodul B**  
 Scale. Scara 1:10



**1-1**  
 Scale. Scara 1:10



**Quantities for 1m long pedestrian parapets**  
**Specificația parapetilor metalici platonali în 1 m lungime**

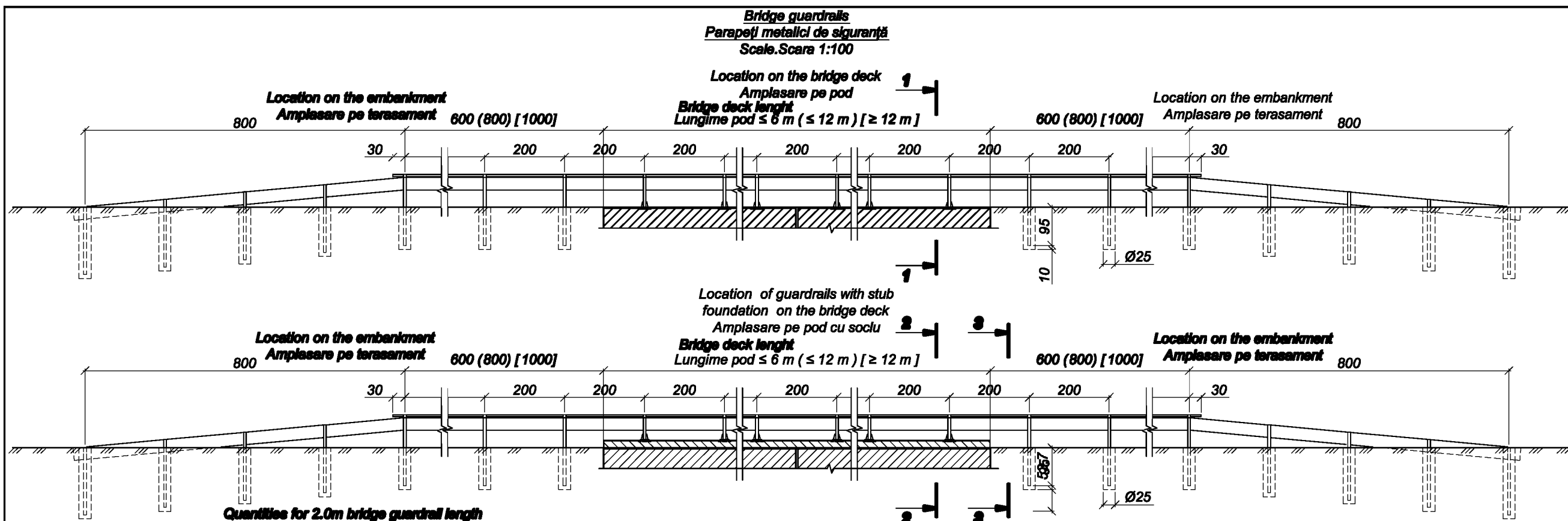
Format	Zone	Position	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Note
				<i>Elements</i> <i>Piese</i>		
A3	1		ГОСТ 8240-89	[ Nr.8, t=1000	2	7,1 kg
A3	2		ГОСТ 103-76*	-10x40, t=1010	8	3,2 kg
FP	3		ГОСТ 103-76*	Embedded base plate Platbandă de fixare -10x70, t=100	2	0,55 kg

**Consumption of steel for 1m pedestrian parapet - 31.0kg**  
**Consumul oțelului pentru 1m lungime a parapetilor metalici platonali- 31,0 kg**

**Nota: Note**  
 For all bridges: Km 43+255; Km 45+286; Km 48+755.  
 Pentru podurile: Km 43+255; Km 45+286; Km 48+755.

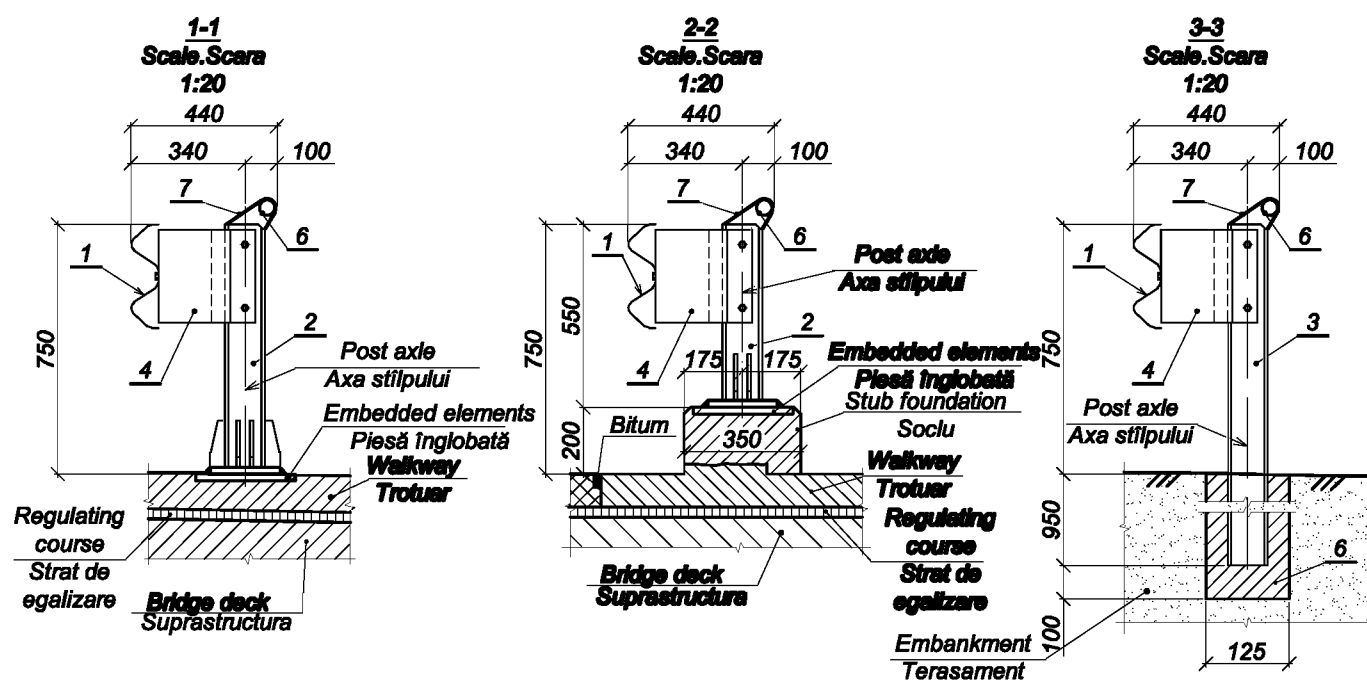
Nr. inv. cad. / Scara / Data / Sublin. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
	Road Sector Programme Support Project					
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007	
TRL	Chisinau-Sarateni,	Designed	Cecan	Scale	1:500	
Blizzard	Drawing title	Checked	Bogza	Drawing		
Universcons	Pedestrian parapets Parapeți metalici platonali	Control STAS	Belic		PMP-P-1	



Quantities for 2.0m bridge guardrail length  
 Specificația parapetilor metalici de siguranță a circulației vehiculelor la 2 m lungime

Formet	Zone. Zona	Position	Referențe. Indicativ	Item. Denumirea	Quantity. Cant.	Note
				Safety guardrails on bridge deck with /witho out stub foundation and on embankment Parapeți de siguranță pe pod / pe pod cu socluși terasament		
				<b>Elements</b> Piese		
FP	1		ГОСТ 8240-89	W-type guardrail Profil lisă	1	185,2 kg
FP	2		ГОСТ 8240-89	Guardrail post Stîlpul parapetului CM / CMLI*	1 / 1	17,7 / 15,4kg
FP	3		ГОСТ 8240-89	Guardrail post Stîlpul parapetului CД-3*	1	19,6 kg
FP	4		Pr. tip Seria 3.503.1-81.3-1-10, Ediția 3-1	Spacer KA, bolts, washer, nut Amortizator KA, buloane, piulițe, șalbe	set	
FP	5		Pr. tip Seria 3.503.1-81.3-1-12, Ediția 3-1	Reflector Reflector YC-1	1	0,1 kg for 4m length la 4m lungime
A3	6		ГОСТ 8732-78*	Pipe Țeavă de metal Ø50, δ=2,5	1	5,9 kg
A3	7			Pipe bracket Element de fixare a țevii	1	1,1 kg
				<b>Materials</b> Materiale		
			ГОСТ 28633-91*	Concrete. Beton cl. B20, F200, W4		0,07 m <sup>3</sup>

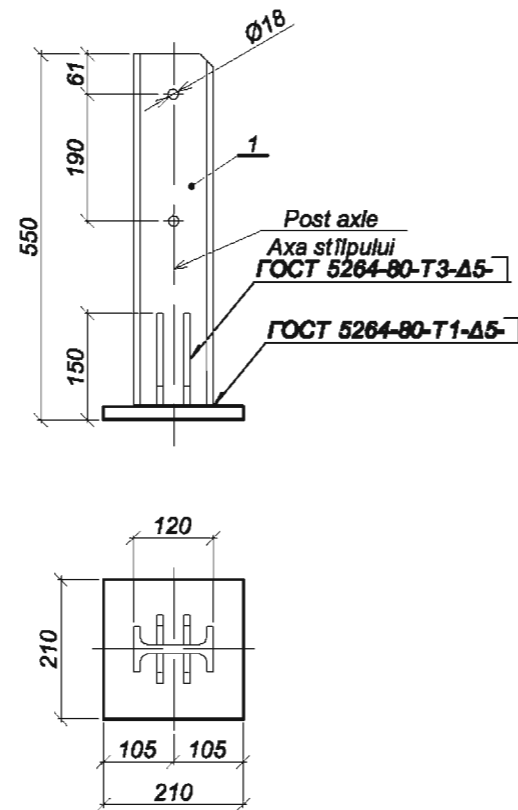


Notă: Note  
 For all bridges.

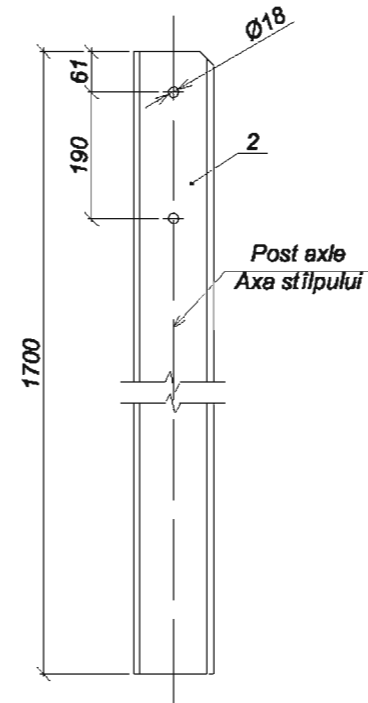
EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration			
	Road Sector Programme	Support Project			
Roughton International	Rehabilitation of M 2 Road Chisinau-Sarateni	ISP	Bogza	Date	12.2007
Blizzard	Drawing title Bridge guardrails. Guardrail posts. Parapeți metalici de siguranță a circulației vehiculelor.	Designed	Cecan	Scale	1:500
Universcons		Checked	Bogza	Drawing	PMS-P-1
		Control STAS	Belic		

Nr. inv. orig. Schimb. nr. Semnat in data

**Bridge guardrail posts**  
**Stîlpul parapetului CMLI\***  
**Scale. Scara 1:10**



**Bridge guardrail posts**  
**Stîlpul parapetului CД-3\***  
**Scale. Scara 1:10**



**Quantities for bridge guardrail posts**  
**Specificația pentru stîlpii parapetilor de siguranță**

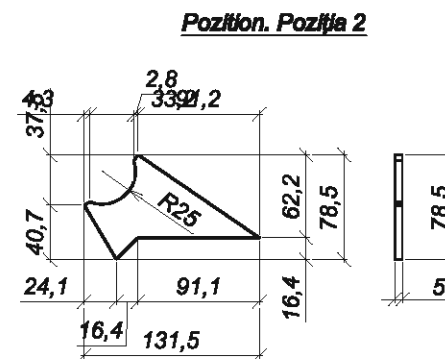
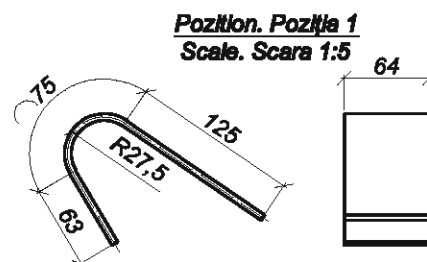
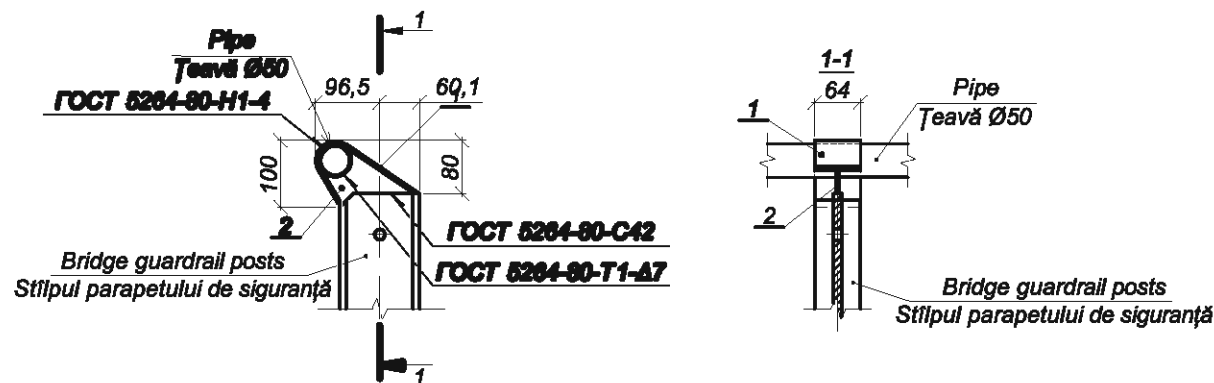
Formet	Zone, Zona	Position	Referenș. Indicativ	Item. Denumirea	Quantity	Note
				<b>Elements. Piese</b>		
FP	1		ГОСТ 26804-86	Guardrail posts Stîlpul parapetului CMLI*	1	15,4kg
FP	2		ГОСТ 8240-89	Guardrail post Stîlpul parapetului CД-3*	1	19,6 kg

Notă: Note  
For all bridges.  
La toate podurile.

Nr. inv. orig. Sumarat la data

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme Support Project						
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007	
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500	
Blizzard	Drawing title Bridge guardrails. Guardrail posts	Checked	Bogza	Drawing	<b>FMS-P-1</b>	
Universcons	Parapeți metalici de siguranță a circulației vehiculelor. Stîlpii parapetilor CMLI*, CД-3*	Control STAS	Belic			

**Pipe bracket**  
**Element de fixare a țevii**  
**Scale. Scara 1:10**



**Quantities for pipe bracket**  
**Specificația pentru element de fixare a țevii**

Format	Zone. Zona	Position	Reference. Indicativ	Item. Denumirea	Quantity. Cant.	Note
				<b>Elements. Piese</b>		
FP	1		ГОСТ 103-76*	Embedded element. Platbandă -5x64, l=263	1	0,7 kg
FP	2		ГОСТ 103-76*	Cantilever. Consolă -6x70, l=132	1	0,4 kg

**Note /Notă:**  
**Steel type**  
**Marca oțelului 16Д conform ГОСТ 6713-80**  
**Weight of bracket**  
**Masa elementului de fixare- 1,1 kg.**

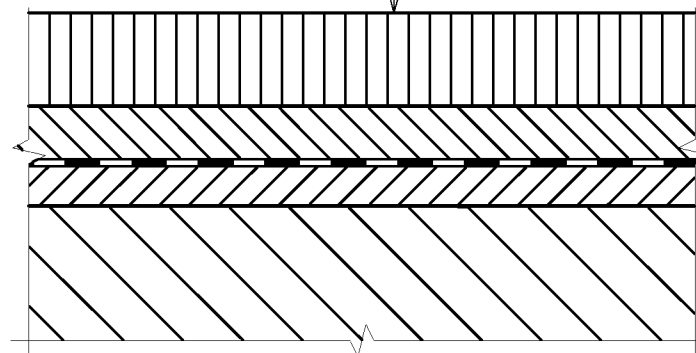
**Notă: Note**  
**For all bridges.**  
**La toate podurile.**

Nr. inv. cad. / Seriat în data / Schimb. nr.

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme Support Project						
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007	
TRL	Chisinau-Sarateni	Designed	Cecan	Scale	1:500	
Blizzard	Drawing title <i>Bridge guardrails.Pipe brackets.</i>	Checked	Bogza	Drawing	<b>PMS-P-1</b>	
Universcons	<i>Parapeți metalici de siguranță a circulației vehiculelor. Element de fixare a țevii.</i>	Control STAS	Belic			

**Waterproofing to bridge deck  
and asphalt laying**  
**Hidroizolarea suprastructurii  
și îmbrăcămintea rutieră**

Asphalt concrete. Beton asfaltic	(poz.1)	70
Protective layer. Strat de protecție	(poz.2)	40
Waterproofing. Strat de hidroizolare	(poz.3)	5
Regulating concrete. Strat de egalizare	(poz.4)	≥30
Bridge deck. Suprastructura		



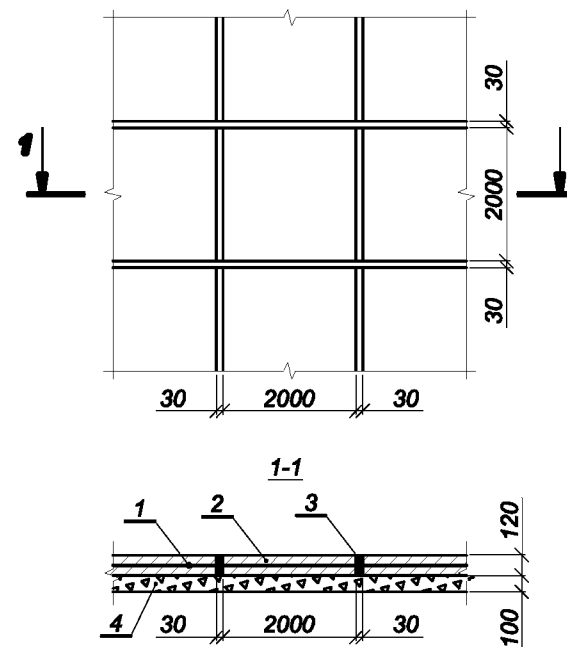
**Quantities for 1m2 of waterproofing**  
**Specificația pentru îmbrăcămintea rutieră pentru 1m² de acoperire**

Formet	Zone, Zona	Position, Poziția	Reference, Referință	Item, Denumirea	Quantity, Cant.	Note, Notă
		1	ГОСТ 9128-84	Asphalt concrete (type I-II) or concrete (type I, II), dense or porous mixture, h=7cm	-	0,07 m²
		2	Pr. tip Seria 3.503.1-101 Ediția 0	Protective layer of reinforced concrete Strat de protecție, beton armat clB25, F200, WG, h=4cm	-	0,04 m²
		3	BCH 32-81	Waterproofing membrane Hidroizolarea, membră DEFBGUMGC, h=0,5cm	-	1,0 m²
		4	Pr. tip Seria 3.503.1-101 Ediția 0	Regulating concrete layer Strat de egalizare, beton clB25, F200, WG, h=3cm	-	0,03 m²

**Notă: Note**  
**For all bridges.**  
**La toate podurile.**

Nr. inv. orig. Schimb. nr. Semnat în data

EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
Road Sector Programme		Support Project				
Roughton International	Rehabilitation of M 2 Road	ISP	Bogza	Date	12.2007	
TRL	Chisinau-Sarateni	Designed	<b>Cocan</b>	Scale	1:500	
Blizzard	Drawing title Waterproofing to bridge deck and asphalt laying Hidroizolarea suprastructurii și îmbrăcămintea rutieră	Checked	Bogza	Drawing	<b>HS-P-1</b>	
Universcons		Control STAS	Belic			



Quantities for 1.0m2, of strengthening  
 Specificația pentru 1,0 m² de consolidare

Formet	Zone. Zona	Referințe	Nom	Quantity	Note
	Position	Indicativ	Denumirea	Cont.	Notă
	Pozitie				
	1	Pr. tip Seria 3.501.1-158, ediția 0	Grid. Plasa Ø6 A-I, GOCT 5781-82°, 20x20	-	2,2 kg
	2	GOCT2663-85	Concrete Beton B20, F200, W6	-	0,5 m³
	3	Pr. tip Seria 3.503.1-101, ediția 0	Bituminous mastic. Mastic de bitum	-	0,01 m³
	4	GOCT 8267-93	Crushed stone. Pestrișă spartă h=10 cm	-	0,04 m³

**Notă: Note**  
 Protection of 8 cm thickness for bridges at Km 36+164.  
 Consolidarea cu grosimea stratului de 8 cm se aplică la podul la Km 36+164.  
 Protection of 12 cm thickness for the rest of the bridges.  
 Consolidarea cu grosimea stratului de 12 cm se aplică la restul podurilor.

Nr. inv. orig.	Scrierea în chisla	Scrierea nr.	EBRD	Republic of Moldova	Ministry of Transport and Road Industry State Road Administration				
			Road Sector Programme Support Project						
Nr. inv. orig.	Scrierea în chisla	Scrierea nr.	Roughton International	Rehabilitation of M 2 Road Chisinau-Sarateni		ISP	Bogza	Date	12.2007
			TRL			Designed	Cecan	Scale	1:500
			Blizzard	Drawing title		Checked	Bogza	Drawing	CC-P-1
			Universcons	Protection of the embankment slopes with reinforced concrete of 8cm thickness over a layer of crushed stone of 10cm thickness. Consolidarea conurilor și a taluzurilor cu beton armat		Control STAS	Belic		