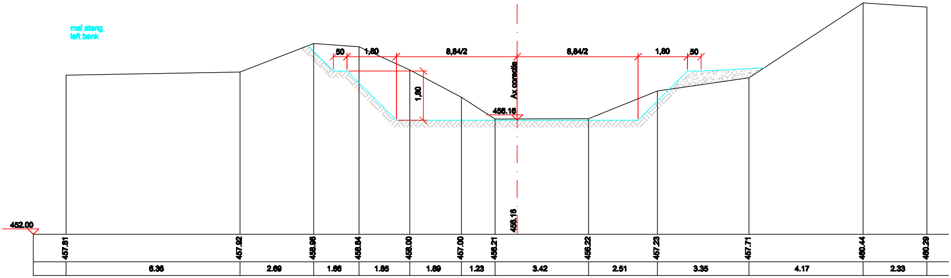
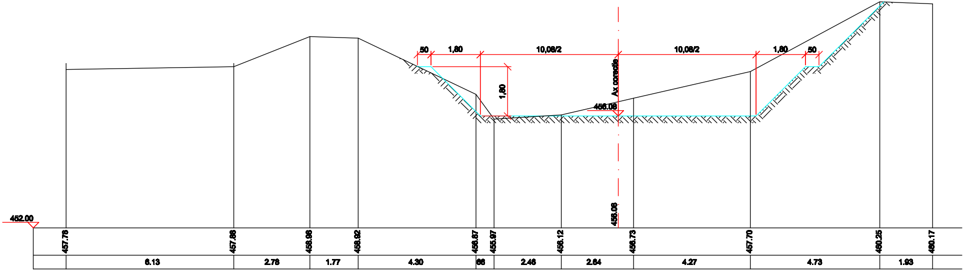
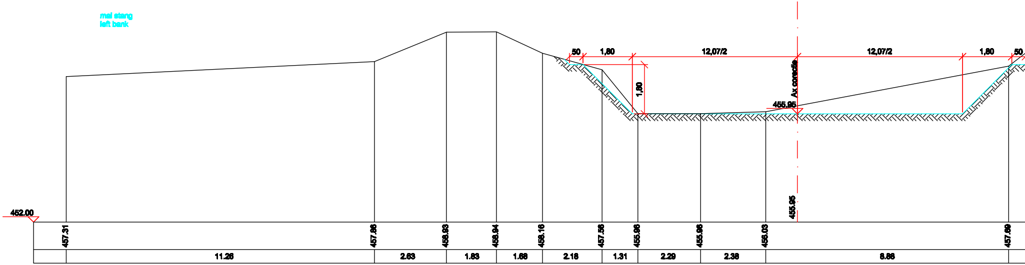
PROFIL 1
la 101,00 m amonte de ax c.f. 1 proiectat
at 101,00 m upstream of the railway axis 1 designed


mal stang
left bank
mal drept
right bank
50
1,80
8,84/2
8,84/2
1,80
50
1,80
Ax corectie
456.16
456.16
452.00
457.81
457.92
458.96
458.84
458.00
457.00
456.21
456.22
457.23
457.71
460.44
460.29
6.36
2.69
1.66
1.85
1.89
1.23
3.42
2.51
3.35
4.17
2.33

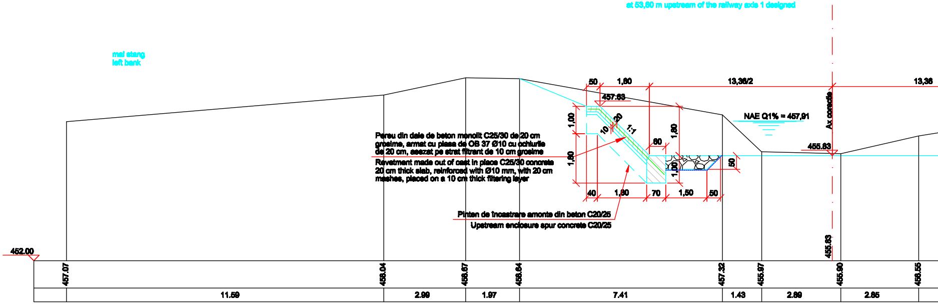
PROFIL 2
la 90,00 m amonte de ax c.f. 1 proiectat
at 90,00 m upstream of the railway axis 1 designed


mal stang
left bank
mal drept
right bank
50
1,80
10,08/2
10,08/2
1,80
50
1,80
Ax corectie
456.08
456.08
452.00
457.76
457.88
458.98
458.92
456.87
455.97
456.12
456.73
457.70
460.25
460.17
6.13
2.78
1.77
4.30
66
2.46
2.64
4.27
4.73
1.93

PROFIL 3
la 71,00 m amonte de ax c.f. 1 proiectat
at 71,00 m upstream of the railway axis 1 designed


mal stang
left bank
50
1,80
12,07/2
12,07/2
1,80
50
1,80
Ax corectie
455.95
452.00
457.31
457.86
458.93
458.94
458.16
457.56
455.96
455.96
456.03
455.95
457.69
11.26
2.63
1.83
1.68
2.18
1.31
2.29
2.38
8.88

PROFIL 4
la 53,60 m amonte de ax c.f. 1 proiectat
at 53,60 m upstream of the railway axis 1 designed


mal stang
left bank
50
1,80
13,36/2
13,36
457.63
1,00
20
10
1:1
1,80
60
1,80
1,00
50
40
1,80
70
1,50
50
NAE Q1% = 457,91
Ax corectie
455.83
452.00
457.07
458.04
458.67
458.64
457.32
455.97
455.90
456.55
11.59
2.99
1.97
7.41
1.43
2.89
2.85

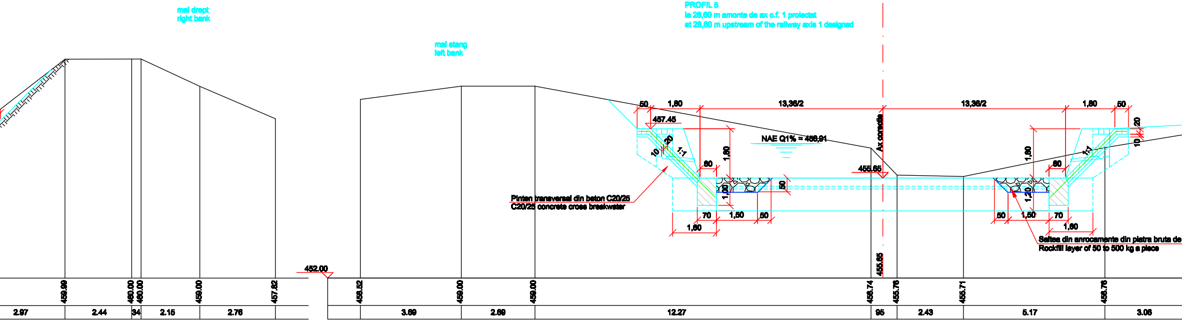
Pereu din dale de beton monolit C25/30 de 20 cm grosime, armat cu plasa de OB 37 Ø10 cu ochiurile de 20 cm, asezat pe strat filtrant de 10 cm grosime

Revetment made out of cast in place C25/30 concrete 20 cm thick slab, reinforced with Ø10 mm, with 20 cm meshes, placed on a 10 cm thick filtering layer

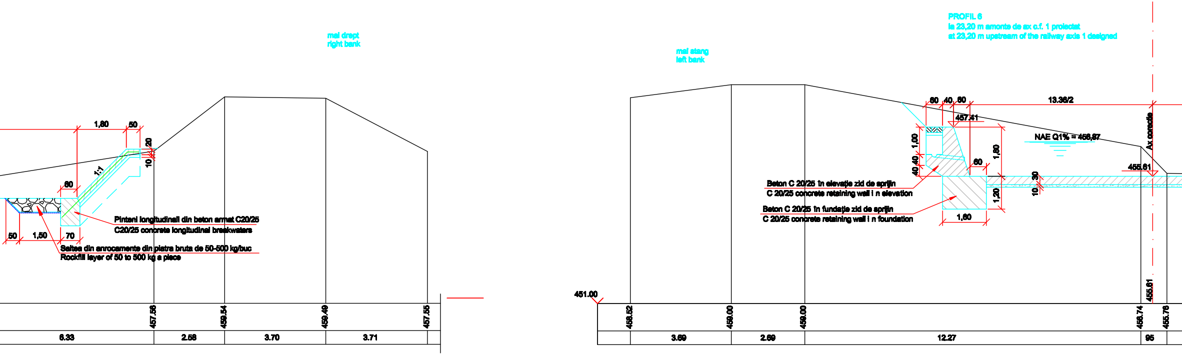
Pinten de încastrare amonte din beton C20/25

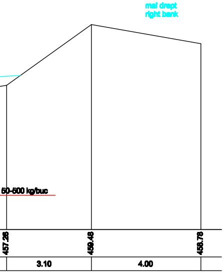
Upstream enclosure spur concrete C20/25

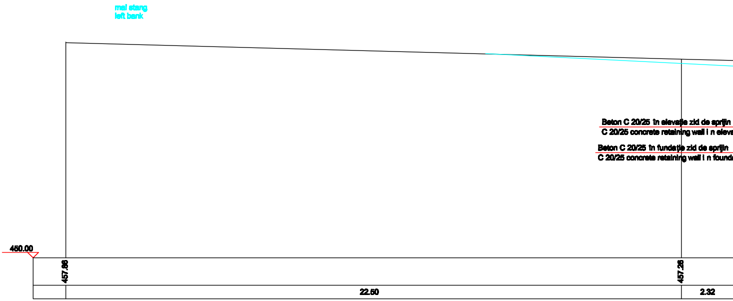
PROFIL 5
la 28,60 m amonte de ax c.f. 1 proiectat
at 28,60 m upstream of the railway axis 1 designed


mal drept
right bank
mal stang
left bank
50
1,80
13,36/2
13,36/2
1,80
50
457.45
20
10
1:1
1,80
60
NAE Q1% = 456,91
Ax corectie
455.65
1,00
50
70
1,50
50
1,60
1,80
60
1:1
20
10
1,20
50
1,50
70
1,60
Pinten transversal din beton C20/25
C20/25 concrete cross breakwater
Saltea din anrocamente din piatra bruta de
Rockfill layer of 50 to 500 kg a piece
452.00
459.99
460.00
460.00
459.00
457.82
458.52
459.00
459.00
456.74
455.65
455.76
455.71
456.76
2.97
2.44
34
2.15
2.76
3.69
2.69
12.27
95
2.43
5.17
3.06

PROFIL 6
la 23,20 m amonte de ax c.f. 1 proiectat
at 23,20 m upstream of the railway axis 1 designed

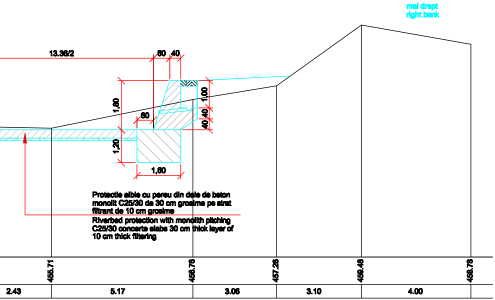

mal drept
right bank
mal stang
left bank
1,80
50
20
10
1:1
60
50
1,50
70
Pintenl longitudinali din beton armat C20/25
C20/25 concrete longitudinal breakwaters
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
60
40
60
13,36/2
457.41
1,00
40
40
1,80
60
NAE Q1% = 456,87
Ax corectie
455.61
30
10
1,20
1,60
Beton C 20/25 în elevație zid de sprijin
C 20/25 concrete retaining wall i n elevation
Beton C 20/25 în fundație zid de sprijin
C 20/25 concrete retaining wall i n foundation
451.00
457.58
459.54
459.49
457.55
458.52
459.00
459.00
456.74
455.61
455.76
6.33
2.58
3.70
3.71
3.69
2.69
12.27
95


mal drept
right bank
50-500 kg/buc
457.26
459.48
458.78
3.10
4.00

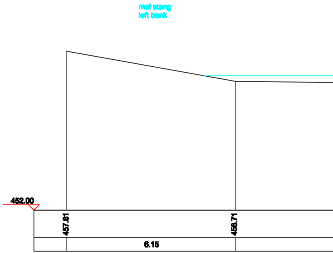

mal stang
left bank
450.00
457.86
457.26
22.50
2.32

Beton C 20/25 în elevaţie zid de sprijin
C 20/25 concrete retaining wall i n eleva

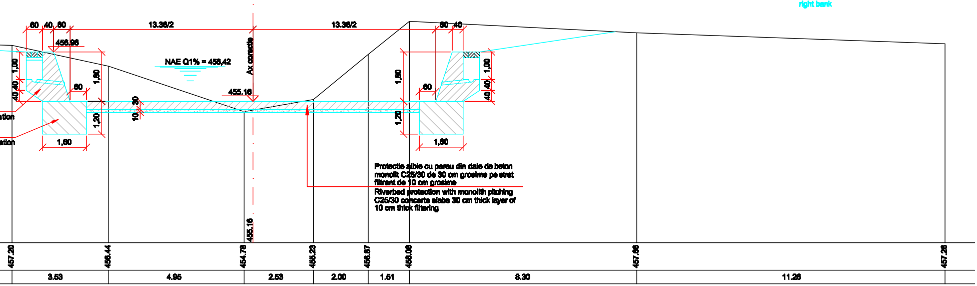
Beton C 20/25 în fundaţie zid de sprijin
C 20/25 concrete retaining wall i n founda


mal drept
right bank
13.36/2
60
40
1,80
1,00
60
40
40
1,20
1,60
455.71
456.76
457.26
459.48
458.78
2.43
5.17
3.06
3.10
4.00

Protectie albie cu pereu din dale de beton monolit C25/30 de 30 cm grosime pe strat filtrant de 10 cm grosime
Riverbed protection with monolith pitching C25/30 concerte slabs 30 cm thick layer of 10 cm thick filtering

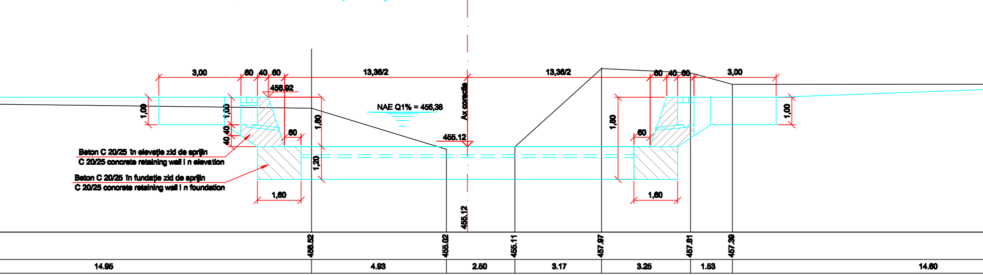

mal stang
left bank
452.00
457.81
456.71
6.15

PROFIL 7
la 41,80 m aval de ax c.f. 1 proiectat
at 41,80 m downstream of the railway axis 1 designed


mal drept
right bank
60
40
60
13.36/2
13.36/2
60
40
456.96
NAE Q1% = 456,42
Ax corectie
455.16
1,00
40
40
1,80
60
30
10
1,20
1,60
1,80
60
1,00
40
40
1,20
1,60
ation
ation
455.16
457.20
456.44
454.78
455.23
456.67
458.08
457.66
457.26
3.53
4.95
2.53
2.00
1.51
8.30
11.26

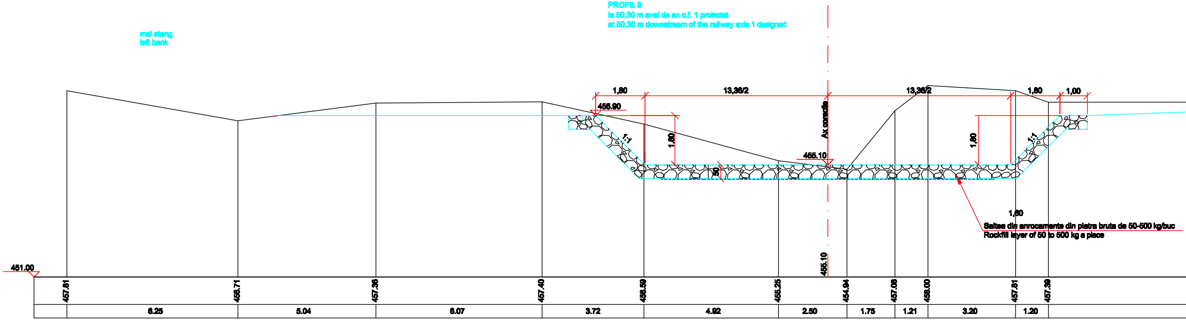
Protectie albie cu pereu din dale de beton monolit C25/30 de 30 cm grosime pe strat filtrant de 10 cm grosime
Riverbed protection with monolith pitching C25/30 concerte slabs 30 cm thick layer of 10 cm thick filtering

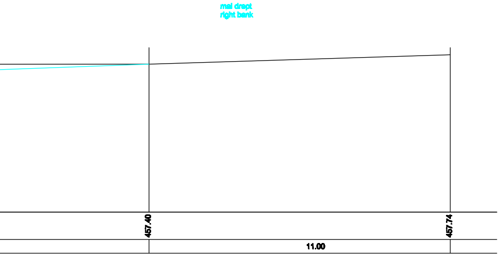
PROFIL 8
la 47,00 m aval de ax c.f. 1 proiectat
at 47,00 m downstream of the railway axis 1 designed

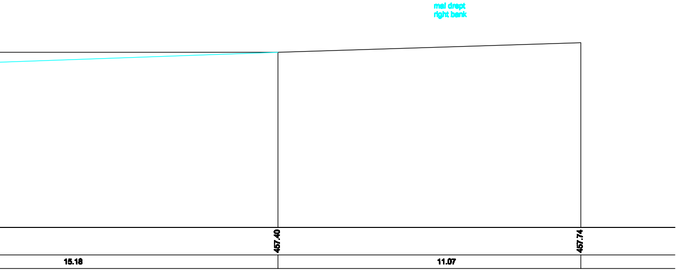

3,00
60
40
60
13,36/2
13,36/2
60
40
60
3,00
456.92
NAE Q1% = 456,38
Ax corectie
455.12
1,00
1,00
40
40
1,80
60
1,20
1,60
1,80
60
1,00
1,60
455.12
456.52
455.02
455.11
457.97
457.81
457.39
14.95
4.93
2.50
3.17
3.25
1.53
14.60

Beton C 20/25 în elevație zid de sprijin
C 20/25 concrete retaining wall i n elevation

Beton C 20/25 în fundație zid de sprijin
C 20/25 concrete retaining wall i n foundation


PROFIL 9
la 50,30 m aval de ax c.f. 1 proiectat
at 50,30 m downstream of the railway axis 1 designed
mal stang
left bank
1,80
13,36/2
13,36/2
1,80
1,00
456.90
1:1
1,80
455.10
Ax corectie
1,80
1:1
50
1,60
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
451.00
455.10
457.81
456.71
457.36
457.40
456.59
455.25
454.94
457.08
458.00
457.81
457.39
6.25
5.04
6.07
3.72
4.92
2.50
1.75
1.21
3.20
1.20


mal drept
right bank
457.40
457.74
11.00


mal drept
right bank
457.40
457.74
15.18
11.07

D					
C					
B					
A	11.2011	Revizia 1	Popescu Anca Raluca		
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	°ef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator SecÞiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kallidromitis		VK

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu		
Intocmit Elaborated	Proiectant Designer	Popescu Anca-Raluca	25.10.2011	

Reabilitarea liniei **de cale ferata** Brasov – Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h, **Tronsonul : Braşov - Sighişoara**
Rehabilitation of the railway line Braşov – Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, **Section : Braşov - Sighişoara**

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / P.Th

Denumire desen / Drawing Title :

STAŢIA RACOŞ / RACOŞ STATION
PROTECTIE POD C.F. KM. 223+203.05
PROFILE TRANVERSALE
223+203.05 KM RAILWAY BRIDGE PROTECTION
CROSS SECTION

Codificare / Codification System	Scara / Scale 1:500	**LOT / LOT**	Nr. / No 01 / 01

E	A	5	1	0	1	C	1	1	W	9	A	P	0	1	4	3	0	0	2	1