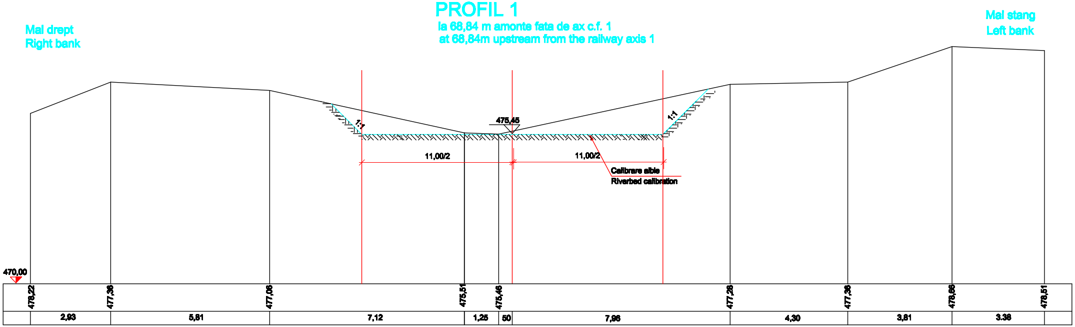
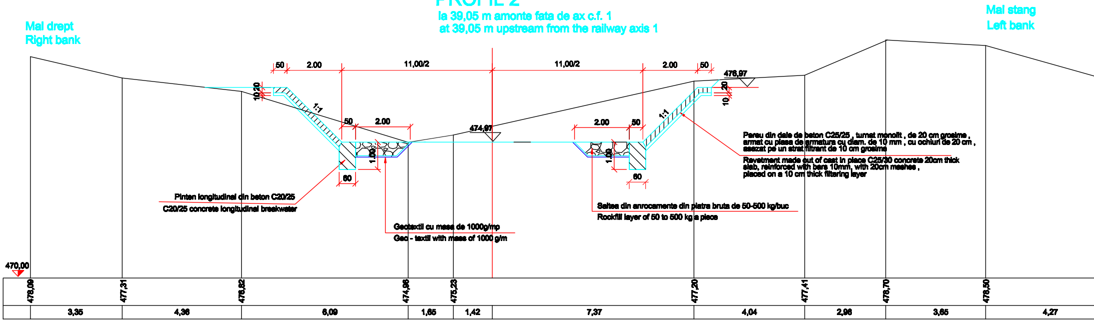
PROFIL 1

la 68,84 m amonte fata de ax c.f. 1
at 68,84m upstream from the railway axis 1


Mal drept
Right bank
Mal stang
Left bank
1:1
475,45
1:1
11,00/2
11,00/2
Calibrare albie
Riverbed calibration
470,00
478,22
477,38
477,06
475,51
475,46
477,28
477,38
478,66
478,51
2,93
5,81
7,12
1,25
50
7,96
4,30
3,81
3.38

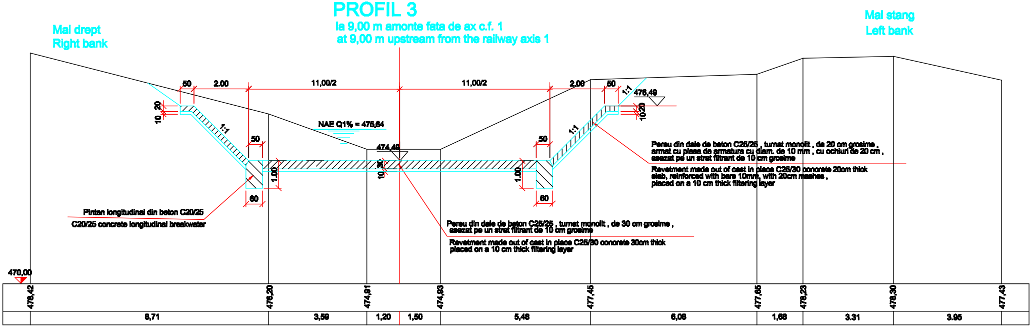
PROFIL 2

la 39,05 m amonte fata de ax c.f. 1
at 39,05 m upstream from the railway axis 1

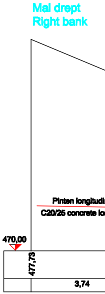

Mal drept
Right bank
Mal stang
Left bank
50
2.00
11,00/2
11,00/2
2.00
50
476,97
10
20
20
10
1:1
1:1
50
2.00
474,97
2.00
50
1.00
1.00
60
60
Pinten longitudinal din beton C20/25
C20/25 concrete longitudinal breakwater
Geotextil cu masa de 1000g/mp
Geo - textil with mass of 1000 g/m
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
Pereu din dale de beton C25/25 , turnat monolit , de 20 cm grosime , armat cu plasa de armatura cu diam. de 10 mm , cu ochiuri de 20 cm , asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 20cm thick slab, reinforced with bars 10mm, with 20cm meshes , placed on a 10 cm thick filtering layer
470,00
478,09
477,31
476,82
474,96
475,23
477,20
477,41
478,70
478,50
3,35
4,36
6,09
1,65
1,42
7,37
4,04
2,96
3,65
4,27

PROFIL 3

la 9,00 m amonte fata de ax c.f. 1
at 9,00 m upstream from the railway axis 1



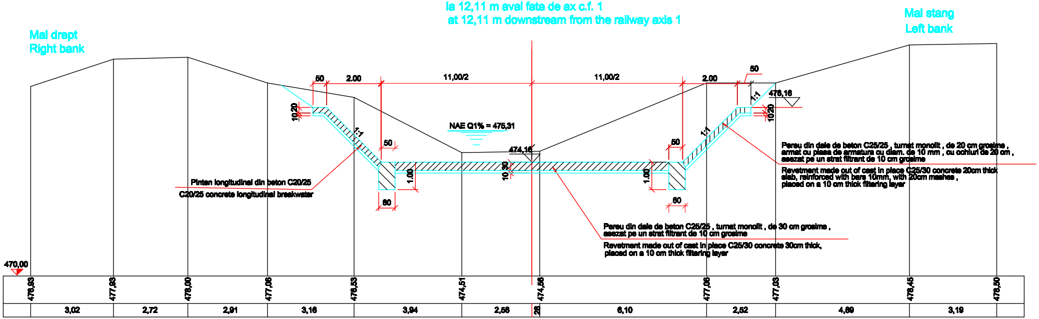
Mal drept
Right bank
Mal stang
Left bank
50
2.00
11,00/2
11,00/2
2.00
50
1:1
476,49
20
10
1:1
NAE Q1% = 475,64
50
474,49
50
1:1
30
10
1.00
1.00
10
20
60
60
Pinten longitudinal din beton C20/25
C20/25 concrete longitudinal breakwater
Pereu din dale de beton C25/25 , turnat monolit , de 20 cm grosime ,
armat cu plasa de armatura cu diam. de 10 mm , cu ochiuri de 20 cm ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 20cm thick
slab, reinforced with bars 10mm, with 20cm meshes ,
placed on a 10 cm thick filtering layer
Pereu din dale de beton C25/25 , turnat monolit , de 30 cm grosime ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 30cm thick
placed on a 10 cm thick filtering layer
470,00
478,42
476,20
474,91
474,93
477,45
477,65
478,23
478,30
477,43
8,71
3,59
1,20
1,50
5,48
6,08
1,68
3.31
3.95



Mal drept
Right bank
Pinten longitudi
C20/25 concrete lo
470,00
477,73
3,74

PROFIL 4

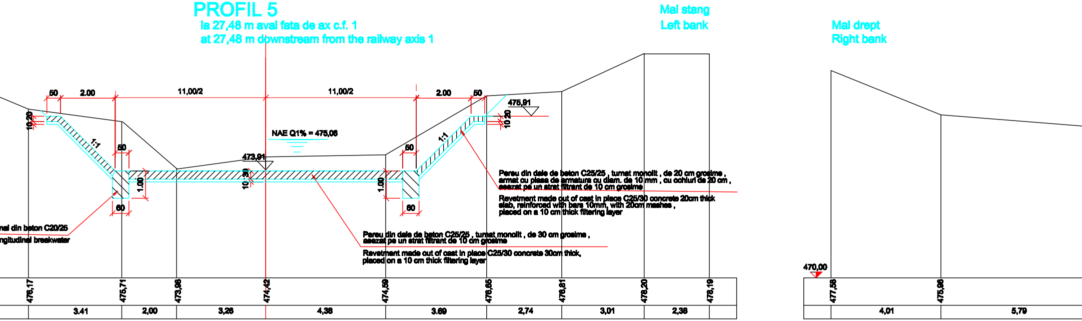
la 12,11 m aval fata de ax c.f. 1
at 12,11 m downstream from the railway axis 1



Mal drept
Right bank
Mal stang
Left bank
50
2.00
11,00/2
11,00/2
2.00
50
1:1
476,16
10
20
1:1
NAE Q1% = 475,31
50
474,16
50
1:1
10
30
1.00
1.00
10
20
60
60
Pinten longitudinal din beton C20/25
C20/25 concrete longitudinal breakwater
Pereu din dale de beton C25/25 , turnat monolit , de 20 cm grosime ,
armat cu plasa de armatura cu diam. de 10 mm , cu ochiuri de 20 cm ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 20cm thick
slab, reinforced with bars 10mm, with 20cm meshes ,
placed on a 10 cm thick filtering layer
Pereu din dale de beton C25/25 , turnat monolit , de 30 cm grosime ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 30cm thick,
placed on a 10 cm thick filtering layer
470,00
476,93
477,93
478,00
477,06
476,53
474,51
474,58
477,06
477,03
478,45
478,50
3,02
2,72
2,91
3,16
3,94
2,56
28
6,10
2,52
4,89
3,19

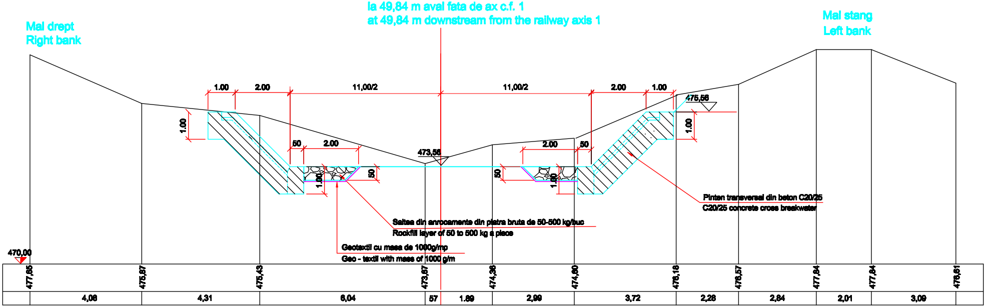
PROFIL 5

la 27,48 m aval fata de ax c.f. 1
at 27,48 m downstream from the railway axis 1


Mal stang
Left bank
Mal drept
Right bank
50
2.00
11,00/2
11,00/2
2.00
50
475,91
10 20
10 20
1:1
1:1
NAE Q1% = 475,06
473,91
50
50
1.00
1.00
10 30
60
60
nal din beton C20/25
ngitudinal breakwater
Pereu din dale de beton C25/25 , turnat monolit , de 20 cm grosime ,
armat cu plasa de armatura cu diam. de 10 mm , cu ochiuri de 20 cm ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 20cm thick
slab, reinforced with bars 10mm, with 20cm meshes ,
placed on a 10 cm thick filtering layer
Pereu din dale de beton C25/25 , turnat monolit , de 30 cm grosime ,
asezat pe un strat filtrant de 10 cm grosime
Revetment made out of cast in place C25/30 concrete 30cm thick,
placed on a 10 cm thick filtering layer
470,00
476,17
475,71
473,98
474,42
474,59
476,65
476,81
478,20
478,19
477,58
475,96
3.41
2,00
3,26
4,38
3.69
2,74
3,01
2,38
4,01
5,79

PROFIL 6

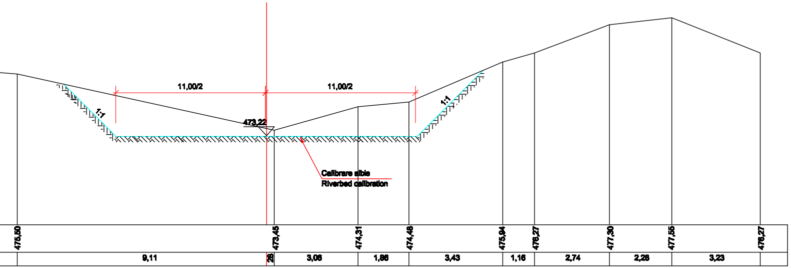
la 49,84 m aval fata de ax c.f. 1
at 49,84 m downstream from the railway axis 1


Mal drept
Right bank
Mal stang
Left bank
1.00
2.00
11,00/2
11,00/2
2.00
1.00
475,56
1.00
1.00
50
2.00
2.00
50
473,56
50
50
1.00
1.00
Pinten transversal din beton C20/25
C20/25 concrete cross breakwater
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
Geotextil cu masa de 1000g/mp
Geo - textil with mass of 1000 g/m
470,00
477,85
475,87
475,43
473,67
474,36
474,80
476,18
476,57
477,84
477,84
476,61
4,08
4,31
6,04
57
1.89
2,99
3,72
2,28
2,84
2,01
3,09

PROFIL 7

la 71,05 m aval fata de ax c.f. 1
at 71,05 m downstream from the railway axis 1

Mal drept
Right bank


11,00/2
11,00/2
1:1
1:1
473,22
Calibrare albie
Riverbed calibration
475,50
473,45
474,31
474,48
475,94
476,27
477,30
477,55
476,27
9,11
28
3,06
1,86
3,43
1,16
2,74
2,28
3,23

D					
C					
B					
A	12.2011	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	Șef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secțiune 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		
Întocmit Elaborated	Proiectant Designer	Popescu Anca-Raluca	21.07.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h, Tronsonul : Brașov - Sighișoara

Rehabilitation of the railway line Brașov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Brașov - Sighișoara

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

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

Denumire desen / Drawing Title :

INTERVAL FELDIOARA-APATA / FELDIOARA-APATA SECTION
PROTECTIE POD C.F. KM. 204+698.42
SECTIUNI TRANSVERSALE
204+698.42 KM RAILWAY BRIDGE PROTECTION
CROSS SECTIONS

Codificare / Codification System	Scara / Scale 1:100	LOT / LOT	Nr. / No 01 / 01

EA51 01 E 08 W9 AP 00 8 2 003 1