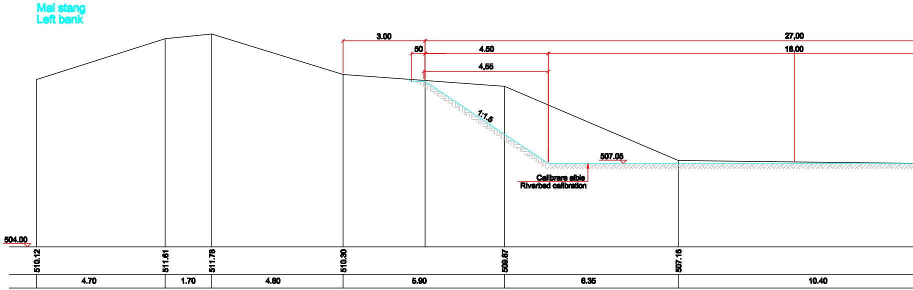
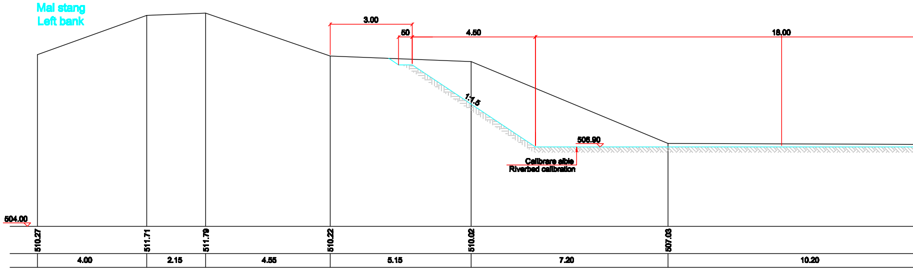
PROFIL 1

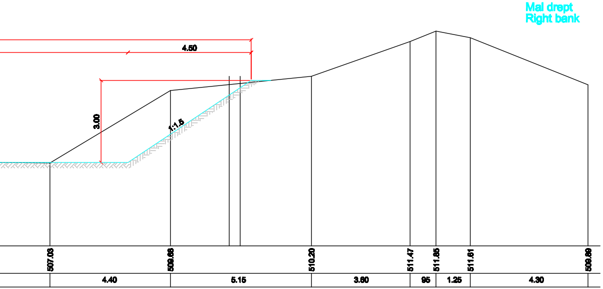
la 85.50 m amonte fata de ax pod
85,50 m upstream from the bridge's axe

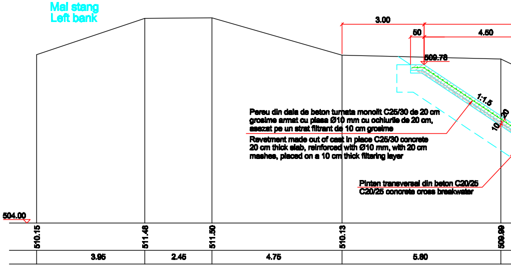

Mal stang
Left bank
3.00
27,00
50
4.50
18.00
4,55
1:1.5
507.05
Calibrare albie
Riverbed calibration
504.00
510.12
511.61
511.78
510.30
509.87
507.16
4.70
1.70
4.80
5.90
6.35
10.40

PROFIL 2

la 60.25 m amonte fata de ax pod
60.25 m upstream from the bridge's axe


Mal stang
Left bank
3.00
50
4.50
18.00
1:1.5
506.90
Calibrare albie
Riverbed calibration
504.00
510.27
511.71
511.79
510.22
510.02
507.03
4.00
2.15
4.55
5.15
7.20
10.20


Mal drept
Right bank
4.50
3.00
1:1.5
507.03
509.68
510.20
511.47
511.85
511.61
509.69
4.40
5.15
3.60
95
1.25
4.30

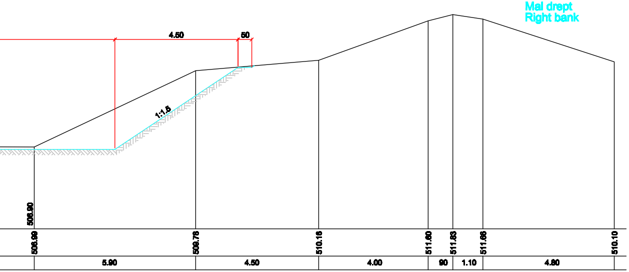

Mal stang
Left bank
3.00
50
4.50
509.78
1:1.5
20
10
504.00
510.15
511.48
511.50
510.13
509.99
3.95
2.45
4.75
5.80

Pereu din dala de beton turnata monolit C25/30 de 20 cm grosime armat cu plasa Ø10 mm cu ochiurile de 20 cm, asezat pe un strat filtrant de 10 cm grosime

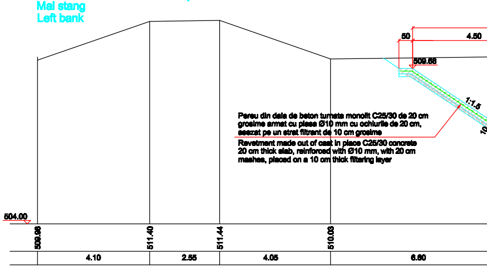
Revetment made out of cast in place C25/30 concrete 20 cm thick slab, reinforced with Ø10 mm, with 20 cm meshes, placed on a 10 cm thick filtering layer

Pinten transversal din beton C20/25

C20/25 concrete cross breakwater


Mal drept
Right bank
4.50
50
1:1.5
506.90
506.99
509.76
510.16
511.60
511.83
511.66
510.10
5.90
4.50
4.00
90
1.10
4.80

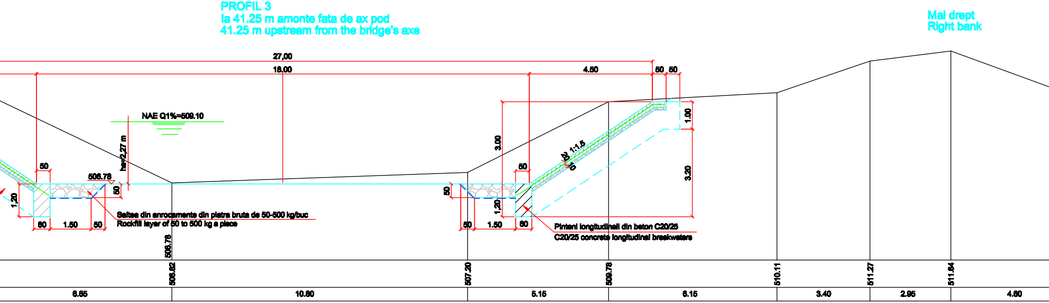
PROFIL 4
la 24.00 m amonte fata de ax pod

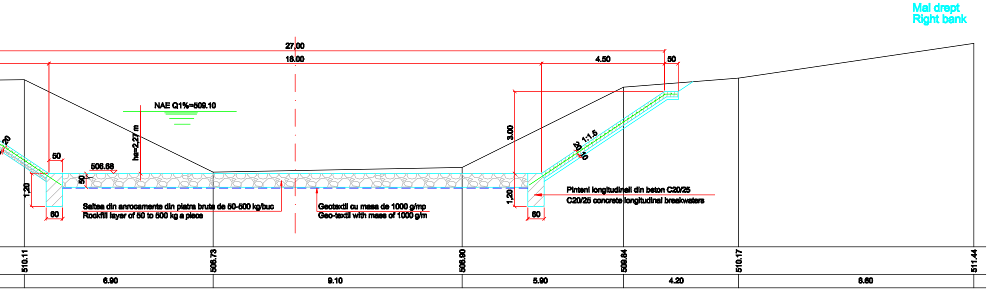

Mal stang
Left bank
50
4.50
509.68
1:1.5
10
504.00
509.96
511.40
511.44
510.03
4.10
2.55
4.05
6.60

Pereu din dala de beton turnata monolit C25/30 de 20 cm grosime armat cu plasa Ø10 mm cu ochiurile de 20 cm, asezat pe un strat filtrant de 10 cm grosime

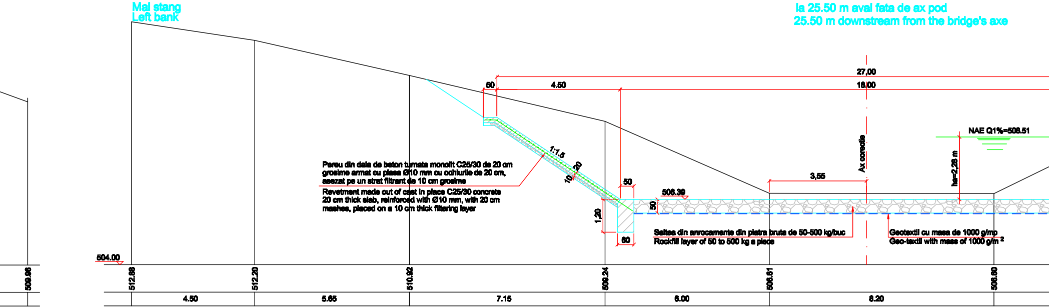
Revetment made out of cast in place C25/30 concrete 20 cm thick slab, reinforced with Ø10 mm, with 20 cm meshes, placed on a 10 cm thick filtering layer

PROFIL 3
la 41.25 m amonte fata de ax pod
41.25 m upstream from the bridge's axe


Mal drept
Right bank
27,00
18.00
4.50
50
50
NAE Q1%=509.10
ha=2.27 m
506.78
50
50
1.20
60
1.50
50
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
506.78
3.00
1:1.5
20
10
1.00
3.20
50
50
1.20
50
1.50
60
Pinteni longitudinali din beton C20/25
C20/25 concrete longitudinal breakwaters
506.82
507.20
509.78
510.11
511.27
511.64
6.65
10.80
5.15
6.15
3.40
2.95
4.60


Mal drept
Right bank
27.00
18.00
4.50
50
NAE Q1%=509.10
ha=2.27 m
20
50
506.68
50
1.20
60
Saltea din anrocamente din piatra bruta de 50-500 kg/buc
Rockfill layer of 50 to 500 kg a piece
Geotextil cu masa de 1000 g/mp
Geo-textil with mass of 1000 g/m
3.00
1:1.5
20
10
1.20
60
Pinteni longitudinali din beton C20/25
C20/25 concrete longitudinal breakwaters
510.11
506.73
506.90
509.84
510.17
511.44
6.90
9.10
5.90
4.20
8.60

PROFIL 5
la 25.50 m aval fata de ax pod
25.50 m downstream from the bridge's axe


Mal stang
Left bank
27,00
18,00
50
4.50
1:1.5
20
10
50
506.39
50
1,20
60
3,55
Ax corectie
NAE Q1%=508.51
hs=2,28 m
504.00
509.96
512.66
512.20
510.92
509.24
506.61
506.60
4.50
5.65
7.15
6.00
8.20

Pereu din dala de beton turnata monolit C25/30 de 20 cm grosime armat cu plasa Ø10 mm cu ochiurile de 20 cm, asezat pe un 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

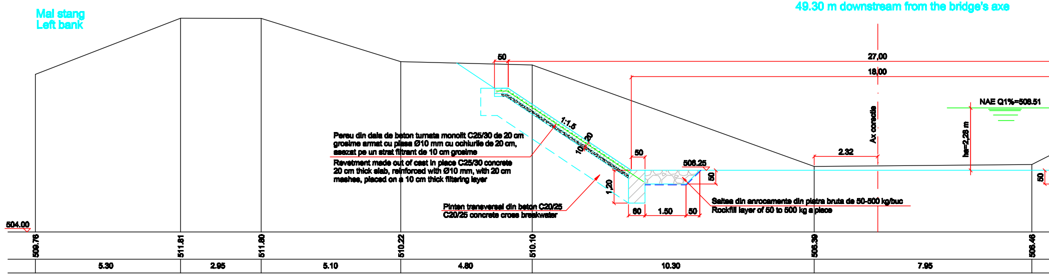
Saltea din anrocamente din piatra bruta de 50-500 kg/buc

Rockfill layer of 50 to 500 kg a piece

Geotextil cu masa de 1000 g/mp

Geo-textil with mass of 1000 g/m ^{2}

PROFIL 6
la 49.30 m aval fata de ax pod
49.30 m downstream from the bridge's axe


Mal stang
Left bank
50
27,00
18,00
1:1.5
20
10
50
506.25
50
1,20
60
1.50
50
2.32
Ax corectie
NAE Q1%=508.51
hs=2,28 m
50
504.00
509.76
511.81
511.80
510.22
510.10
506.39
506.46
5.30
2.95
5.10
4.80
10.30
7.95

Pereu din dala de beton turnata monolit C25/30 de 20 cm grosime armat cu plasa Ø10 mm cu ochiurile de 20 cm, asezat pe un strat filtrant de 10 cm grosime

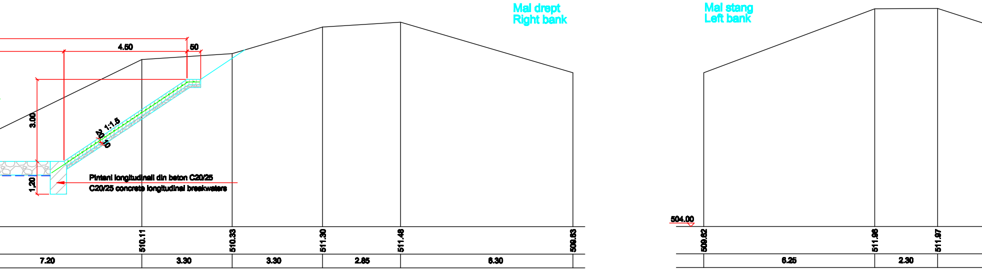
Revetment made out of cast in place C25/30 concrete 20 cm thick slab, reinforced with Ø10 mm, with 20 cm meshes, placed on a 10 cm thick filtering layer

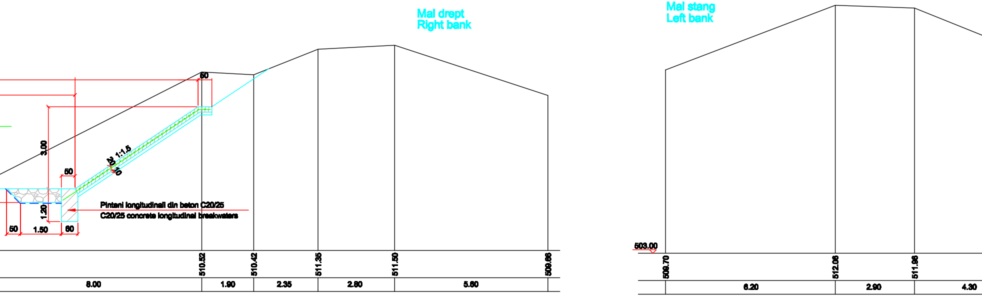
Pinten transversal din beton C20/25

C20/25 concrete cross breakwater

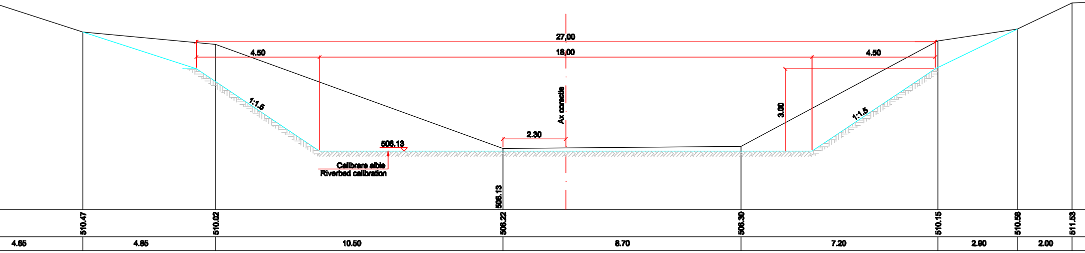
Saltea din anrocamente din piatra bruta de 50-500 kg/buc

Rockfill layer of 50 to 500 kg a piece

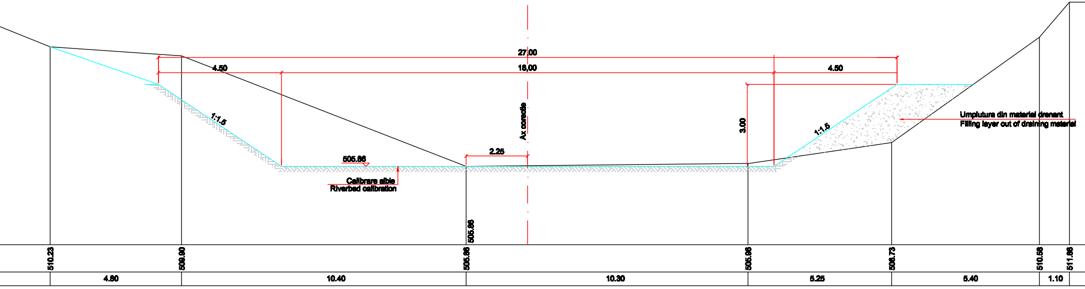

Mal drept
Right bank
Mal stang
Left bank
4.50
50
3.00
1:1.5
20
10
1.20
Pinteni longitudinali din beton C20/25
C20/25 concrete longitudinal breakwaters
504.00
510.11
510.33
511.30
511.48
509.53
509.62
511.96
511.97
7.20
3.30
3.30
2.85
6.30
6.25
2.30

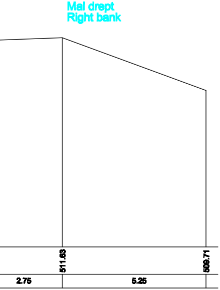

Mal drept
Right bank
Mal stang
Left bank
50
3.00
1:1.5
20
10
50
1.20
50
1.50
60
Pinteni longitudinali din beton C20/25
C20/25 concrete longitudinal breakwaters
503.00
510.52
510.42
511.35
511.50
509.66
509.70
512.06
511.96
8.00
1.90
2.35
2.80
5.60
6.20
2.90
4.30

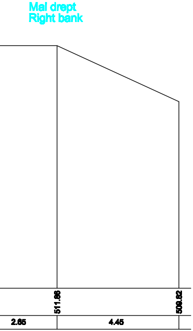
PROFIL 7
la 68.50 m aval fata de ax pod
68.50 m downstream from the bridge's axe


27,00
18,00
4.50
4.50
1:1.5
1:1.5
3.00
Ax corectie
2.30
506.13
Calibrare albie
Riverbed calibration
506.13
510.47
510.02
506.22
506.30
510.15
510.58
511.53
4.65
4.85
10.50
8.70
7.20
2.90
2.00

PROFIL 8
la 109.50 m aval fata de ax pod
109.50 m downstream from the bridge's axe


27,00
18,00
4.50
4.50
1:1.5
1:1.5
3.00
Ax corectie
2.25
505.86
Calibrare albie
Riverbed calibration
Umplutura din material drenant
Filling layer out of draining material
505.86
510.23
509.90
505.86
505.96
506.73
510.58
511.86
4.80
10.40
10.30
5.25
5.40
1.10


Mal drept
Right bank
511.63
509.71
2.75
5.25


Mal drept
Right bank
511.86
509.82
2.65
4.45

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

CFR

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

CLIENT / CLIENT

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	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V. Kallidromitis		

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 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 :

INTERVAL STUPINI-BOD / STUPINI-BOD SECTION
PROTECTIE POD C.F. KM. 179+087.689
SECTIUNI TRANSVERSALE
179+087.689 KM RAILWAY BRIDGE PROTECTION
CROSS SECTIONS

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

EA51 01 E 04 W9 AP 00 1 3 003 1