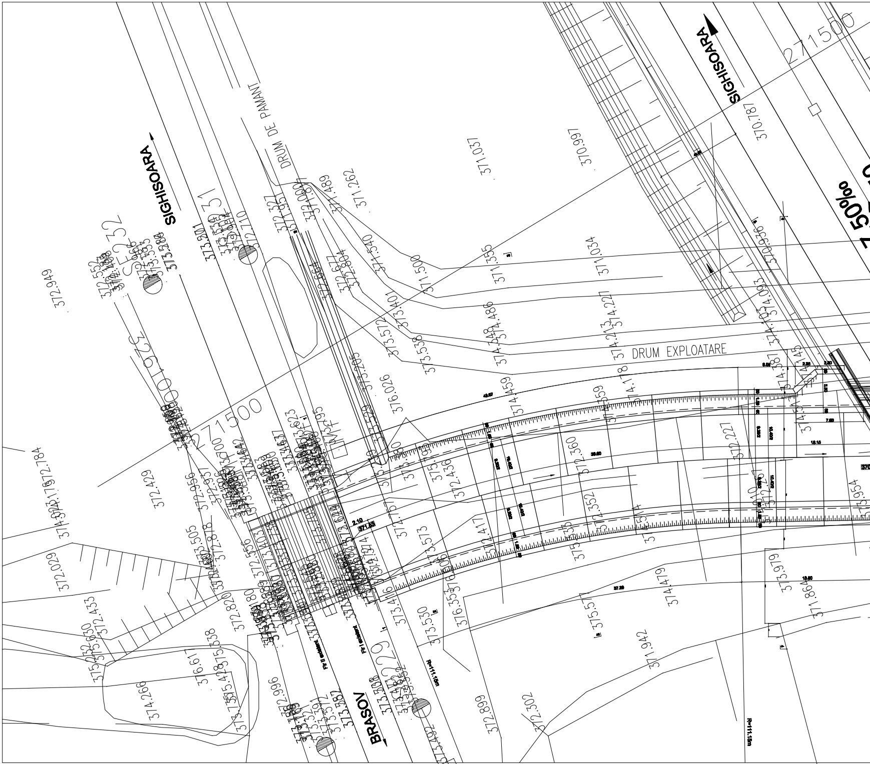
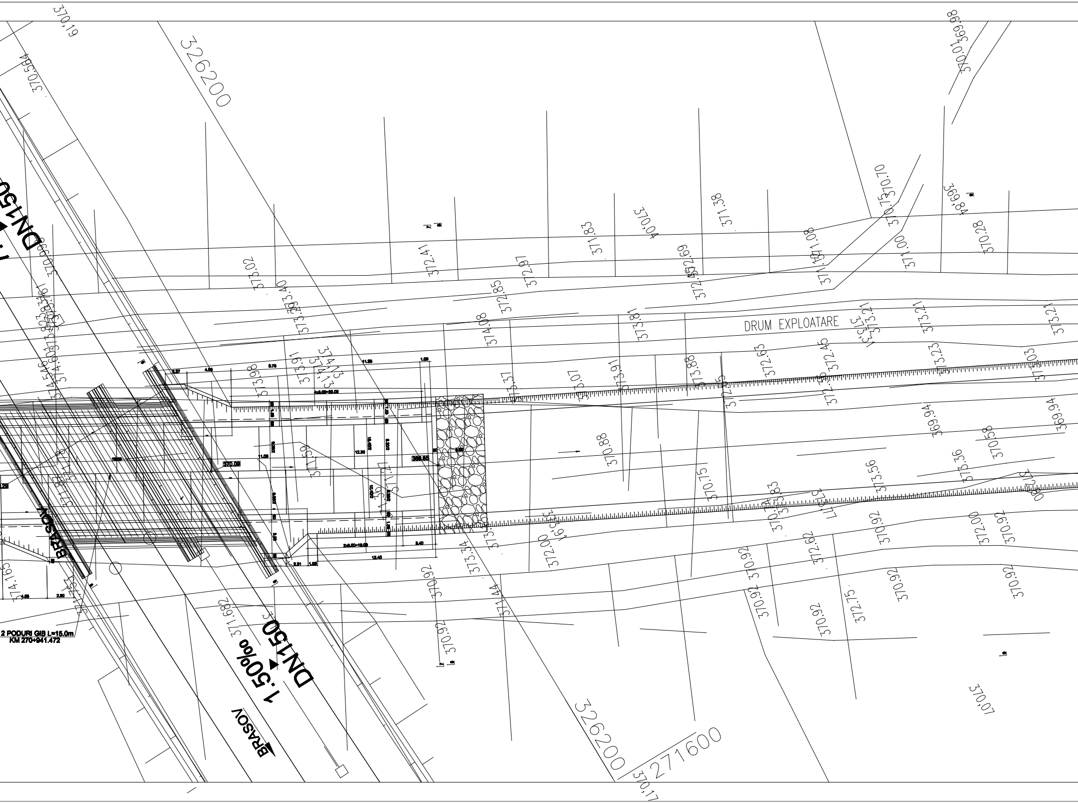
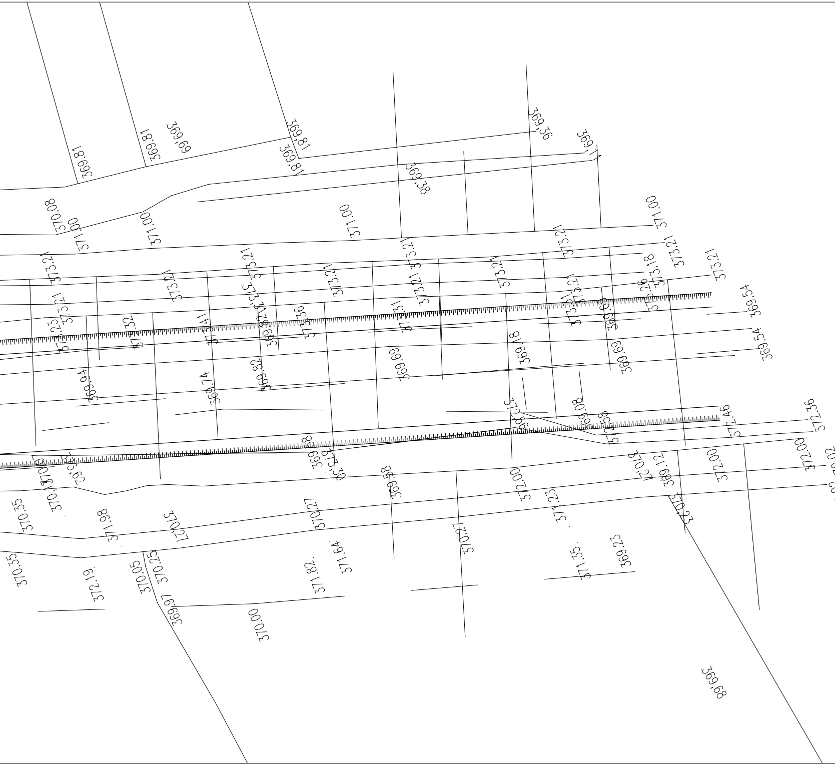
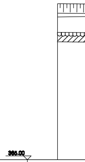

SIGHISOARA
SIGHISOARA
BRASOV
DRUM DE PAMANT
DRUM EXPLOATARE
271500
271500
50‰
R=111.15m
R=111.15m
Fir 1 existent
Fir II existent
2.10
371.53
372.949
372.429
371.037
370.997
370.787
371.262
371.034
371.355
371.500
374.227
374.213
374.486
374.548
374.178
374.459
376.026
373.538
373.572
373.401
371.540
372.360
372.352
372.227
372.417
373.573
374.479
375.577
371.942
373.979
371.864
372.899
372.302
375.492
373.530
376.353
374.266
372.996
372.820
372.029
372.433
373.505
372.784
371.489


326200
326200
271600
DRUM EXPLOATARE
DN150
DN150
1.50‰
BRASOV
BRASOV
2 PODURI GIB L=15.0m
KM 270+941.472
370.09
370.19
370.564
369.98
370.70
369.84
370.28
371.38
370.04
371.83
372.41
372.97
372.69
373.02
373.40
372.85
374.08
373.81
373.21
373.21
372.65
372.45
373.23
373.03
373.91
373.88
373.37
369.94
369.94
370.88
370.58
373.36
373.56
370.75
372.80
370.92
372.00
372.92
372.75
373.34
371.44
371.882
370.07
370.17

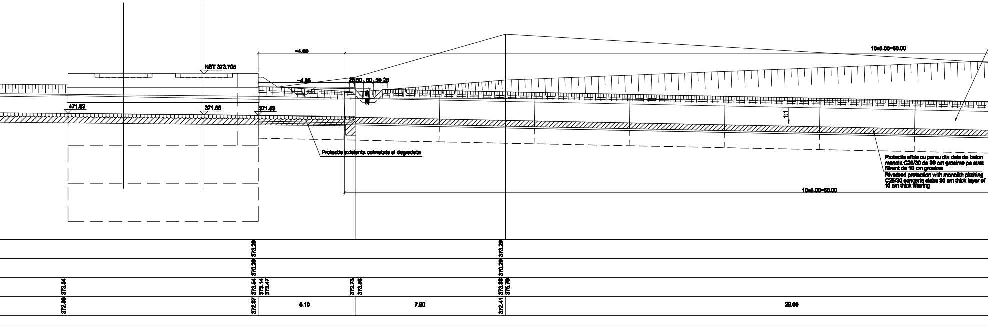

369,81
369,81
369,69
369,81
369,81
369,36
369,11
369,38
370.08
371.00
371.00
371.00
371.00
373.21
373.21
373.21
373.21
373.21
373.21
373.21
373.18
373.21
373.23
373.32
373.41
373.36
373.31
373.26
369.54
369.54
369.94
369.74
369.82
369.69
369.81
369.69
372.56
369.08
372.46
372.36
373.30
373.62
369.58
372.00
370.27
369.12
372.00
372.00
370.02
370.02
370.35
371.98
370.27
370.27
371.25
370.23
370.35
372.19
370.05
370.25
371.82
371.64
370.27
371.35
369.23
369,71
369,97
370.00
369,68



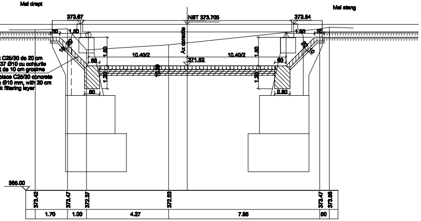
Cota coronament protectie		
Cota pereu proiectat		
Cota mal stang	373.54	
Cota talveg / Distanta	372.48	
Distanta intre profile		

Pereu din dale de beton monoli
grosime, armat cu plasa de OB
de 20 cm, asezat pe strat filtran

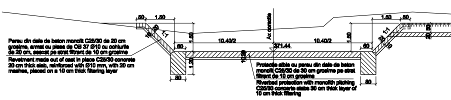
Revetment made out of cast in
20 cm thick slab, reinforced with
meshes, placed on a 10 cm thic


~4.60
~4.85
NST 373.705
25 50 50 50 25
20.50
471.63
371.66
371.53
1:1
10x5.00=50.00
10x5.00=50.00
Protectie existenta colmatata si degradata
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
373.29
373.29
370.29
370.29
373.54
373.54
373.14
373.47
372.75
373.63
373.36
375.79
372.56
372.37
5.10
7.90
372.41
29.00

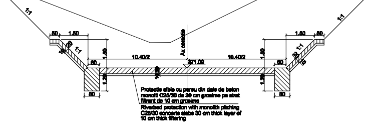
PROFIL 1
RACORDARE CORECTIE AMONTE POD C.F. PROIECTAT LA CULEELE PODULUI CF EXISTENT
Scara/scale 1:100

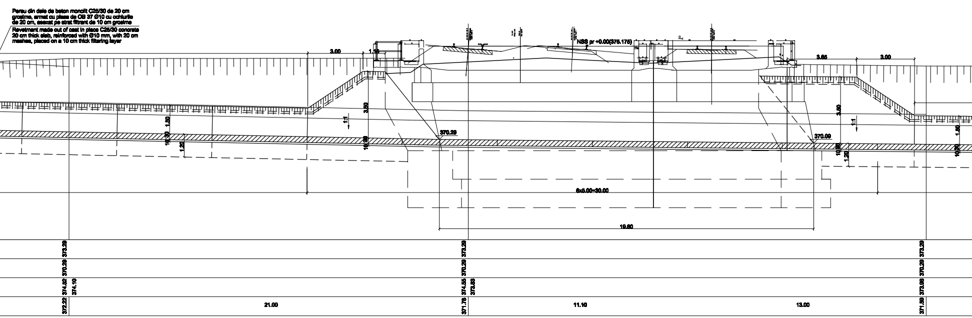

Mal drept
Mal stang
373.67
NST 373.705
373.54
Ax corectie
50
1.50
1.50
50
10
20
20
10
1.50
1.50
10.40/2
10.40/2
60
60
371.53
10.30
1.20
1.20
80
0.80
t C25/30 de 20 cm
37 Ø10 cu ochiurile
t de 10 cm grosime
place C25/30 concrete
Ø10 mm, with 20 cm
k filtering layer
365.00
373.42
373.47
372.37
372.63
373.47
373.56
1.70
1.00
4.27
7.95
50

PROFIL 2
la 52.55 m amonte de fata podului c.f. proiectat
Scara/scale 1:100


Mal drept
Mal stang
50
1.50
1.50
50
10
20
1:1
1:1
20
10
20.50
Ax corectie
1.50
1.50
10.40/2
10.40/2
60
60
371.44
10.30
1.20
80
80
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
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 3
la 34.77 m amonte de fata podului c.f. proiectat
Scara/scale 1:100

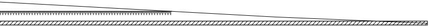

Mal drept
Mal stang
1:1
1:1
50
1.50
1.50
50
10
20
1:1
1:1
20
10
Ax corectie
1.50
1.50
10.40/2
10.40/2
60
60
371.02
10.30
1.20
1.20
80
80
Protectie albie cu pereu din dale de beton monolit C25/30 de 30 cm grosime pe strat filtrant de 10 cm grosime
Riverbed protection with monolith pitching C25/30 concerte slabs 30 cm thick layer of 10 cm thick filtering



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

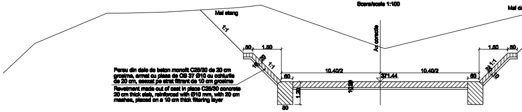
NSS pr +0.00(375.175)
3.00
1.15
3.65
3.00
3.50
1.50
1:1
10.30
1.20
370.29
370.09
6x5.00=30.00
19.60
373.29
370.29
374.02
374.10
372.22
21.00
374.55
373.63
371.76
11.10
13.00
373.29
370.29
373.66
371.59



PROFIL 4

la 11.85 m amonte de fata podului c.f. proiectat

Scara/scale 1:100



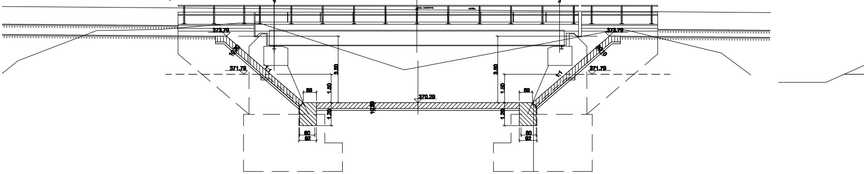
Pereu din dale de beton monolit C25/30 de 20 cm grosime, armat cu plasa de OB 37 Ø10 cu ochiurile de 20 cm, asezat pe strat filtrant de 10 cm grosime

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

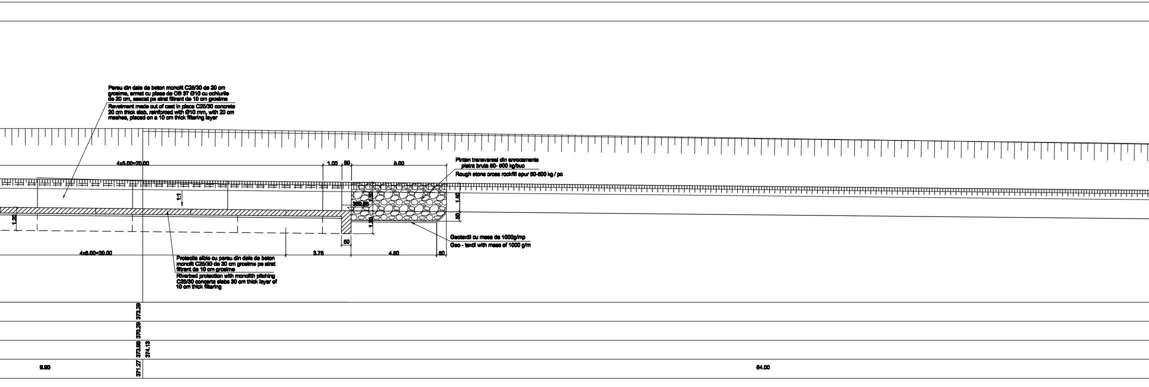
Mal stang
Mal d
1:1
Ax corectie
50
1.50
10.40/2
371.44
10.40/2
1.50
50
20
10
1:1
60
60
10.30
1.20
80

SECTIUNE TRANSVERSALA 5-5 CU VEDERE AMONTE POD C.F. FIR II

Scara/scale 1:100

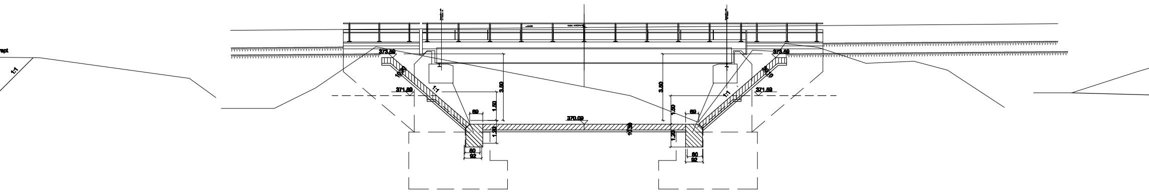


Mal stang
Mal drept
373.79
373.79
371.79
371.79
3.50
3.50
1.50
1.50
1:1
1:1
69
69
370.29
1.20
1.20
10.30
60
92
60
92


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
4x5.00=20.00
1.00
50
5.00
Pinten transversal din anrocamente piatra bruta 50- 500 kg/buc
Rough stone cross rockfill spur 50-500 kg / pc
1:1
1.50
369.85
1.20
50
Geotextil cu masa de 1000g/mp
Geo - textil with mass of 1000 g/m
4x5.00=20.00
3.75
4.50
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 concrete slabs 30 cm thick layer of 10 cm thick filtering
373.29
370.29
373.98
374.13
371.27
9.90
64.00

SECTIUNE TRANSVERSALA 6-6 CU VEDERE AVAL POD C.F. FIR III

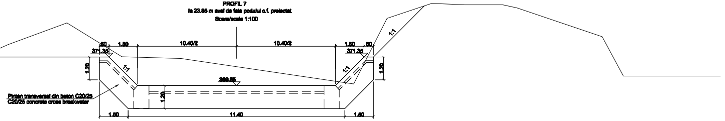
Scara/scale 1:100


rept
1:1
373.59
10.50
371.59
1:1
3.50
1.50
60
370.09
10.50
1.20
80
92
373.59
371.59
3.50
1.50
60
1:1
1.20
80
92

PROFIL 7

la 23.85 m aval de fata podului c.f. proiectat

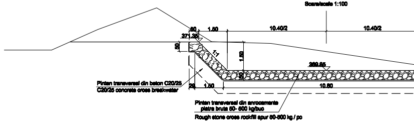
Scara/scale 1:100

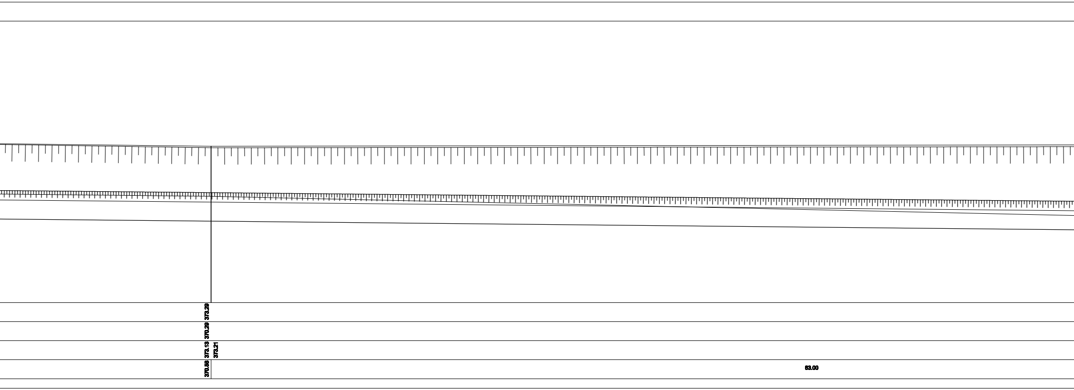

50
1.50
10.40/2
10.40/2
1.50
50
371.35
371.35
1.20
1:1
1:1
1:1
369.85
1.20
1.20
Pinten transversal din beton C20/25
C20/25 concrete cross breakwater
1.50
11.40
1.50

PROFIL 8

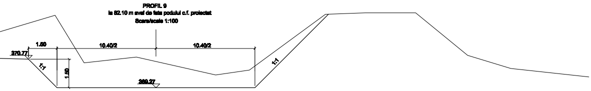
la 23.85 m aval de fata podului c.f. proiectat

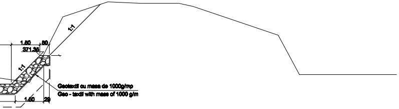
Scara/scale 1:100


50
1.50
10.40/2
10.40/2
371.35
50
1:1
1.50
369.85
50
Pinten transversal din beton C20/25
C20/25 concrete cross breakwater
25
1.50
10.60
Pinten transversal din anrocamente piatra bruta 50- 500 kg/buc
Rough stone cross rockfill spur 50-500 kg / pc

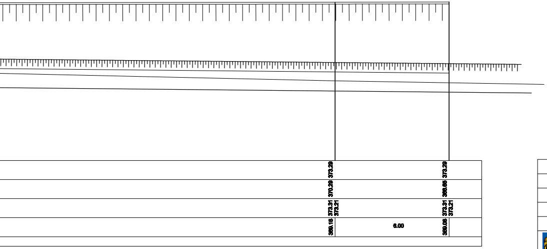

373.29
370.29
373.13
373.21
370.58
83.00

PROFIL 9
la 82.10 m aval de fata podului c.f. proiectat
Scara/scale 1:100


1.50
10.40/2
10.40/2
370.77
1:1
1.50
369.27
1:1


1.50
.50
371.35
1:1
1:1
1.50
29

Geotextil cu masa de 1000g/mp
Geo - textil with mass of 1000 g/m



373.29
370.29
373.31
373.21
369.18
6.00
373.29
369.66
373.31
373.21
369.08

D					
C					
B					
A	11.2011	Revizia A	Catalin Dobreanu		
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

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		VK

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu		
Întocmit Elaborated	Proiectant Designer	C. Dobreanu	11.2011	

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 ARCHITA - VANATORI / ARCHITA - VANATORI SECTION
PROTECTIE POD C.F. KM. 270+941.472
DETALII DE EXECUTIE
270+941.472 KM RAILWAY BRIDGE PROTECTION
DETAILS FOR EXECUTION

Codificare / Codification System	Scara / Scale 1:200 / 1:100	LOT / LOT	Nr. / No 01 / 01

EA51 01 E 16 BA AP 02 2 3 003 1

420x4216