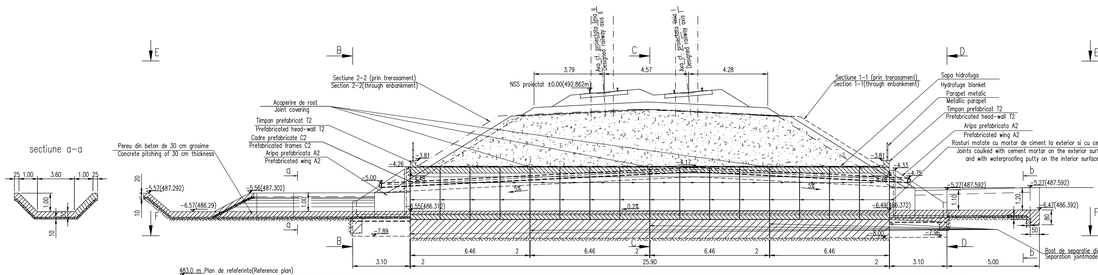
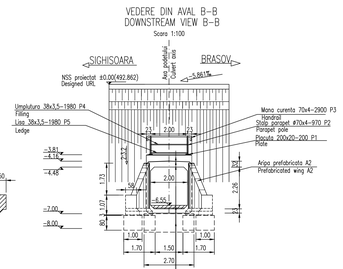
SECTIUNE LONGITUDINALA A–A / LONGITUDINAL SECTION A–A

Scara 1:100



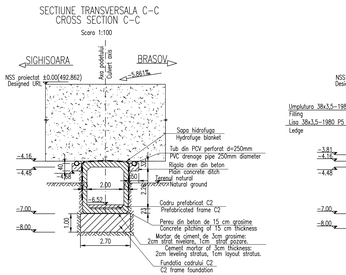
VEDERE DIN AVAL B–B
DOWNSTREAM VIEW B–B

Scara 1:100



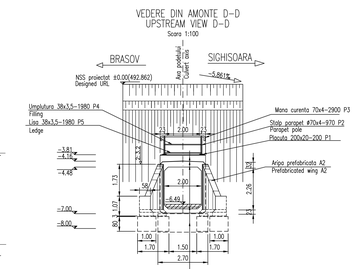
SECTIUNE TRANSVERSALA C–C
CROSS SECTION C–C

Scara 1:100



VEDERE DIN AMONTE D–D
UPSTREAM VIEW D–D

Scara 1:100

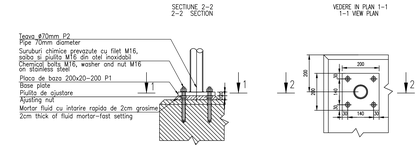


LEGENDA BETOANELOR
CONCRETE LIST

- Beton armat in elementele prefabricate
  Reinforced concrete in the prefabricated elements
  C35/45 CEM II/A–S 32,5–(XC4+XF3+XA1)–A/C=0,50–Dmax22–Cl 0.20
- Beton simplu in fundatia elementelor prefabricate
  Plain concrete in the prefabricated elements foundation
  C 25/30–CEM II/A–32,5–(XF1)–A/C=0,50–Dmax32–Cl 0.20
- Beton simplu de panta si in piinten
  Plain concrete for slope and in the corbel
  C 25/30–CEM II/A–S 32,5–(XF3)–A/C=0,55–Dmax16–Cl 0.20
- Beton simplu,in pereu
  Plain concrete,in the pitching
  C 25/30– CEM II/A–32,5–(XC4+XF3+XA1)–A/C=0,50–Dmax32–Cl 0.20

DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE HEAD–WALL

Scara 1:5

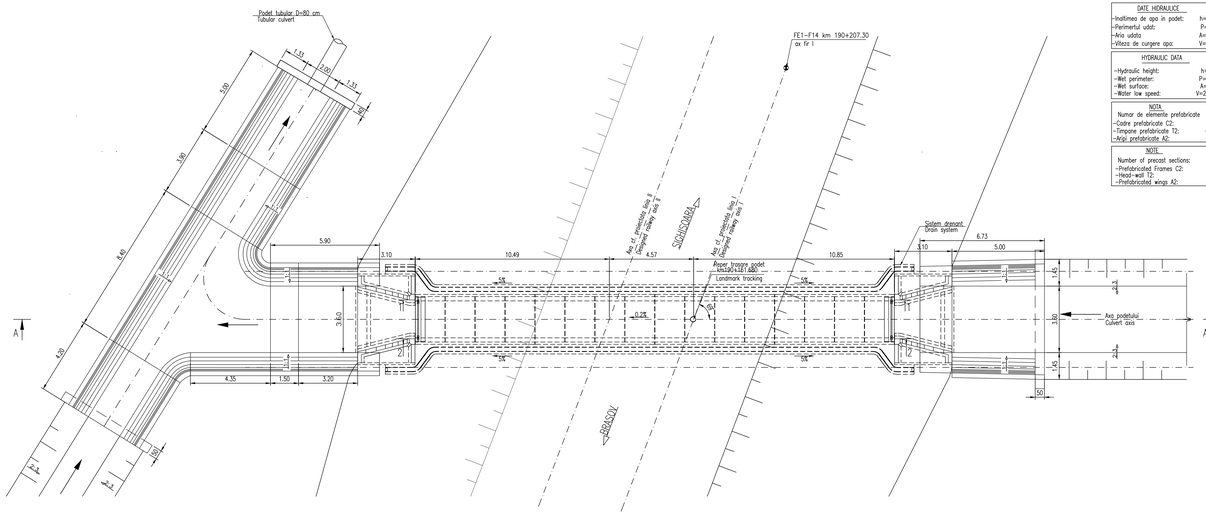


MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI PODETULUI
THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT

Poz. Item	Denumirea materialului The denomination of the material SL EN 10025 – S235 JR	Buc.	Sectiune Section	Lung. Long. (mm)	Sectiune/Section kg/ml	kg/buc.	kg
P1	Placuta prindere Clamping plate	4	200x20	200	31.40	6.28	25.12
P2	Stalp parapet EN 10297 – E275 Parapet pole	4	70x4	970	6.51	6.32	25.26
P3	Mana curenta EN 10297 – E275 Handrail	2	70x4	2900	6.51	18.88	37.76
P4	Umplutura EN 10058 Filling	2	38x3,5	1980	2.98	5.90	11.80
P5	Lisa EN 10058 Ledge	2	38x3,5	1980	2.98	5.90	11.80
	total partial						111.74
	Suduri 2%						2.24
	Wedding 2%						
	TOTAL kg						115

VEDERE IN PLAN E–E/PLAN VIEW E–E

Sc 1:100



DATE HIDRAULICE	
–Inaltimea de apa in podet:	h=0.70m
–Perimetrul udat:	P=3.40m
–Aria udata	A=1.40m²
–Viteza de curgere apa:	V=2.61mc/s

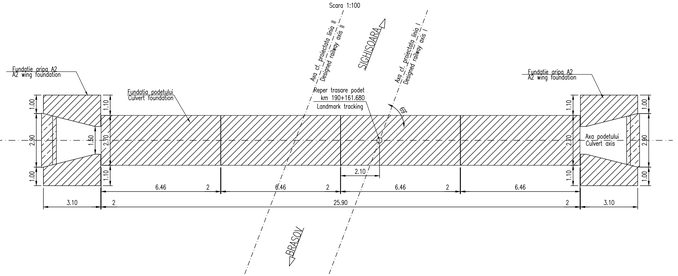
HYDRAULIC DATA	
–Hydraulic height:	h=0.70m
–Wet perimeter:	P=3.40m
–Wet surface:	A=1.40m²
–Water low speed:	V=2.61mc/s

NOTA Numar de elemente prefabricate	
–Cadre prefabricate C2:	–16buc.
–Timpane prefabricate T2:	–2buc.
–Aripi prefabricate A2:	–4buc.

NOTE Number of precast sections:	
–Prefabricated frames C2:	–16pcs.
–Head–wall T2:	–2pcs.
–Prefabricated wings A2:	–4pcs.

PLAN FUNDATII F–F/FOUNDATIONS PLAN F–F

Scara 1:100



NOTA:

1. Prezentul plan s–a intocmit pe baza urmatoarelor date:
–plan de situatie
–profil in lung
–profille transversale
–calculul hidraulic
2. Podetul nou, cu lumina de 2,00m se executa din 16 cadre prefabricate C2.
Podetul corespunde convoalelor de calcul P10 si SM2.
3. Racordarea podetului cu terasamentul si cu terenul se realizeaza:
– in amonte si in in ovol cu aripi prefabricate A2.
4. La executie se vor respecta cu strictete prevederile din Normativ pentru producerea betonului si executarea lucrarilor din beton,beton armat si beton precomprimat,Partea 1: Producerea betonului," indicativ NE 012/1–2007 si "Normativ pentru executarea lucrarilor din beton, beton armat si precomprimat Partea 2: Executarea lucrarilor din beton indicativ NE 012/2–2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56–1985.
5. Daca la executie se vor constata neconcordante intre situatia existenta pe teren si cea din proiect se va anunta proiectantul.
6. Constructia se incadreaza in categoria B de importanta. Constructii de importanta deosebita, modelul 1 de asigurare a calitatii conform HG 766/97.
7. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.

NOTE:

1. This plan has been drawn up based on the following data:
–lay–out plan
–longitudinal profile
–cross–section profiles
–hydraulic determination.
2. The new culvert, 2.00m span shall be carried out using 16 prefabricated frames C2.
The culvert corresponds to the P10 and SM2 determination convoys.
3. The culvert shall be connected to the embankment and with the ground as follows:
– upstream and downstream using prefabricated wings, type A2.
4. At execution shall be respected the provision of the Norm for concrete production and execution of concrete, reinforced concrete and prestressed concrete, Part 1: Practice cod for concrete production, NE 012/1–2007 and "Practice code for the concrete production and works execution, reinforced and pre–stressed concret–Part 2:The execution of concrete works' NE 012/2–2101, and check the quality of works and their reception will be according to norm C56–1985.
5. If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be noticed.
6. The construction has been classified in B category of importance. High important constructions, model 1–ensuring the quality according to G.O. 766/97.
7. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.

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Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR
D					
C					
B					
A	11.2011	Revizie 1	Ing C.Totan		

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANĂ
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	Semn. atur & Signature
Aprobat Approved	Sef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Sec. tiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Key Expert	V.Kalildiromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A. Dinulescu Stanciu	04.2011	
Intocmit Elaborated	Proiectant Designer	Totan Ciprian	04.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta, a coridorului IV Pan European, pentru circulatie trenuri cu o viteza maxima, de 160 km/h;
Tronsonul : Brasov - Sighisoara
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan–European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brasov - Sighisoara

Proiect/Project: 2004RO16RPA003
Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :

INTERVAL BOD - FELDIOARA / BOD - FELDIOARA SECTION

PODET km 190+161.680 - DISPOZITIE GENERALA
CULVERT km 190+161.680 - GENERAL LAYOUT

Codificare / Codification System

Scara / Scale	LOT / LOT	Nr. / No
1:100		01 | 01

E	A	5	1	0	1	C	0	6	P	A	P	O	0	1	6	1	0	0	2	1