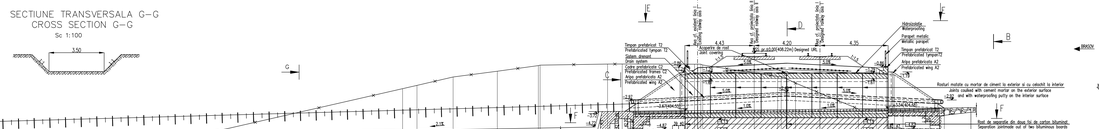
SECTIUNE LONGITUDINALA A-A / LONGITUDINAL SECTION A-A

Sc 1:100



SECTIUNE TRANSVERSALA G-G
CROSS SECTION G-G

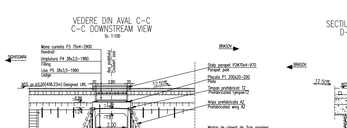
Sc 1:100

VEDERE DIN AMONTE B-B
B-B UPSTREAM VIEW

Sc 1:100

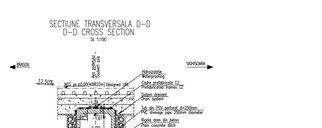
VEDERE DIN AVAL C-C
C-C DOWNSTREAM VIEW

Sc 1:100

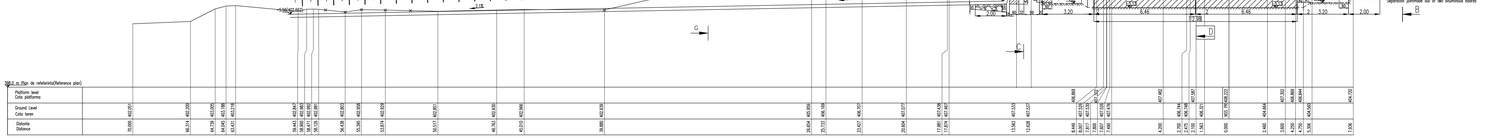


SECTIUNE TRANSVERSALA D-D
D-D CROSS SECTION

Sc 1:100

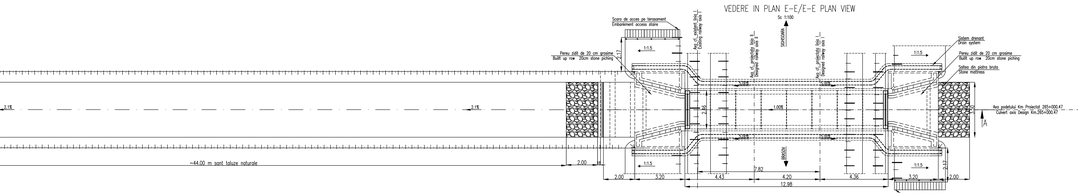


Profil cu fișe de referință/Reference plan



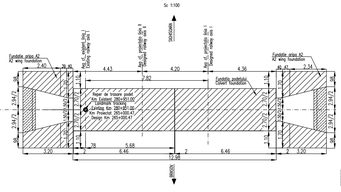
VEDERE IN PLAN E-E/E-E PLAN VIEW

Sc 1:100



PLAN FUNDATII F-F/F-F FOUNDATIONS PLAN

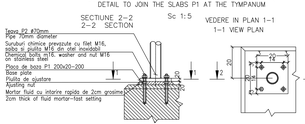
Sc 1:100



DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE TYMPANUM

SECTIUNE 2-2
2-2 SECTION

Sc 1:5



VEDERE IN PLAN 1-1
1-1 VIEW PLAN

DATE HIDRAULICE

- Inaltimea de apa in podet: h=0.50m
- Perimetrul ud.: P=3.0m
- Aria udata: A=1.5m²
- Viteza de curgere apa: V=2.22m/s

HYDRAULIC DATA

- Hydraulic height: h=0.50m
- Wet perimeter: P=3.0m
- Wet surface: A=1.5m²
- Water low speed: V=2.22m/s

NOTA

Numar de elemente prefabricate
- Cadre prefabricate C2: -Buc.
- Timpane prefabricate T2: -Buc.
- Aripi prefabricate A2: -Buc.

NOTE

Number of precast sections:
- Prefabricated Frame C2: -Bpcs.
- Prefabricated Tympan T2: -Buc.
- Prefabricated wings A2: -Buc.

NOTA:

1. Proiectul prin v-o întocmit pe baza urmatoarelor date:
-plan de situatie
-profil in lung
-profil transversal
-STAS 4032/1-84
-calcul hidraulic
- date cuteze pe teren
2. Podetul corespunde la convoiale de calcul LVC (LM71 si SW/2)
3. La executie se vor respecta cu strictete prevederile din "Normativ pentru producerea betonului si executarea lucrarilor din beton, beton armat si beton precomprimat. Partea I: Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului si executarea lucrarilor din beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2-2010, precum si prevederile caietelor de receptionare nr. 1 si nr. 2 care contine instructiuni CSC-1985.
4. Daca la executie se vor constata neconcordante intre situatia din teren si cea din proiect, executantul va anunta proiectantul.
5. Constructia se incadreaza in categoria de importanta III (constructii de importanta deosebita), modelul 1 de asigurare a calitatii si clasa de importanta D, conform HG 766/1997.
6. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2
7. Pe radierul podetului se va executa un strat de egalizare realizat din beton de egalizare prefabricate pe blocuri de fundatie din intermediul unui strat de mortar de cimenti pentru a se realiza un contact perfect pe toata suprafata intre talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de cimenti.

NOTE:

1. This plan has been drown up based on the following data:
-Longitudinal Profile
-Longitudinal Profile
-Cross-section Profile
-Bridge's File
-Hydraulic determination
-Field Data.
2. The culvert corresponds to the UIC determination conveys (LM71 and SW/2)
3. The execution will strictly comply with the provisions of "Practice guide for the production of concrete and works made of reinforced, pre-stressed concrete = Part 1: Practice code for concrete production" NE 012/1-2007 and "Practice code for the concrete production and works execution, reinforced and pre-stressed concrete = Part 2: The execution of concrete works." NE 012/2-2010, and the quality and the reception of the works will be in accordance with the CSC-1985 regulations.
4. If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be notified.
5. The construction has been classified in D category of importance (high important constructions), model 1-ensuring the quality and class of importance D according to G.D. 766/97.
6. The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
7. Particular attention is drawn on binding prefabricated elevations settlement on block foundation through a layer of cement mortar to achieve a perfect contact over the entire surface between precast and foundation base.Prropping is prohibited without direct layer of cement mortar.

MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI PODETULUI

THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT

Poz. Pos.	Denumirea materialului / The denomination of the material	Buc.	Sectiune / Section	Lung. / Long. (mm)	Sectiune/Section		
	Dn. EN 10025 - S235 JR				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 / Handrail	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
			Pierderi, totat				
			Sudura 2%				2.24
			Rezidiu 2%				
			TOTAL kg				115

LEGENDA BETOANELOR UTILIZATA LA PODETE:
LEGEND OF CONCRETES USED FOR CULVERTS:

- Beton în rigola drenurilor, fundatiile sferturilor de con si pentru realizarea stratului suport pentru pereu:
  Concrete for the drain gutters, for the foundations of cone quarters and for the support layer of revetment:
  C 25/30 – Clase X0 – 0,60 < A/C < 0,65 – Dmax16 – Cl 0,20
- Beton de panta:
  Slope concrete:
  C 25/30 – Clase X0 – 0,60 < A/C < 0,65 – Dmax16 – Cl 0,20
- Beton în fundatiile podetelor, a elementelor de racordare (aripi, pinteni, camere de cadere, sferturi de con, etc), în elevatiile aripilor monolite si a camerelor de cadere, în pereu:
  Concrete for the foundations of culverts, of connecting elements (wings, breakwaters, water falling chambers, cone quarters etc), for the elevations of monolith wings and of water falling chambers, in revetment:
  C 25/30 – Clase X4 – 0,45 < A/C < 0,50 – Dmax32 – Cl 0,20
- Beton în stratul de protectie a hidroizolatiei:
  Concrete for protective protection layer:
  C 25/30 – Clase X4 – 0,45 < A/C < 0,50 – Dmax16 – Cl 0,20
- Beton în elemente prefabricate în general (cadre, bolti, aripi, timpane, U-uri):
  Concrete for prefabricated elements generally (frames, arches, wings, tympans, L-shaped elements):
  C 35/45 – Clase X4 – 0,35 < A/C < 0,40 – Dmax22 – Cl 0,20

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Ind. / Rev.	Data / Date	Modificare / Modification/Revision	Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR
D					
C					
B					
A	12.2011	Revizia 1	Olar Mihai		

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT

PROIECT FINANTAT DE UNIUNEA EUROPEANA / EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT

ETALFERM – GRUPPO FERROVIE DELLO STATO – Joint Venture leader

Scott Wilson

OBERMEYER PLANEN + BERATEN GmbH

TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data / Date	Semnătură / Signature
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Aprobat / Approved	Coordonator Sectiune 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Expert Cheie / Key Expert	V.Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

AmeX

Aprobat / Approved	Responsabil Subconsultant / Subconsultant Responsible	A. Dinulescu Stanciu	08.2011	
Întocmit / Elaborated	Proiectant / Designer	Olar Mihai Adrian	08.2011	

Reabilitarea liniei de cale ferata Brașov - 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 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 2004/RO/16/P/PA/003

Faza / Phase: P.TH. / T.D.

Denumire desen / Drawing Title :

INTERVAL / SECTION ARCHITA - VANATORI
PODET Km 264+733.942 - DISPOZITIE GENERALA
CULVERT264+733.942 - GENERAL LAYOUT

Codificare / Codification System	Scara / Scale 1:100	LOT / LOT	Nr. / No. 01/03
E A S 1 | 0 1 | C | 1 6 | P A | P O | 0 8 | 4 | 1 | 0 0 2 | 1			