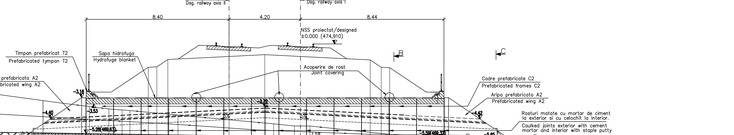
SECTIUNE LONGITUDINALA A–A / LONGITUDINAL SECTION A–A



NOTA
Numar de elemente prefabricate
–Cadre C2 13buc.
–Aripi prefabricate A2, 4buc.
–Timpane prefabricateT2 2buc

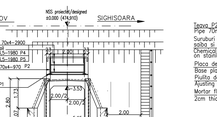
NOTE
Number of precast section
–Prefabricated frames C2 13pcs.
–Prefabricated wings A2 4pcs.
–Head-wall T2 2pcs.

DATE HIDRAULICE:
–Inaltimea de apa: h=0,98m
–Perimetrul udat: P=3,96m
–Aria udata: A=1,96m²
–Viteza de curgere a apei V=3,11m/s

HIDRAULIC DATA:
–Hydraulic height: h=0,98m
–Perimeter: P=3,96m
–surface: A=1,96m²
–Water flow speed: V=3,11m/s

SECTIUNE TRANSVERSALA B–B
CROSS SECTION B–B

SECTIUNE C–C
C–C SECTION



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

Scara 1:5

NOTA:
1. Prezentul plan a-s intocmit pe baza urmatoarelor date:
–plan de situatie
–profil in lung
–profil transversal
–fisa podului
–calcul hidraulic
–date cuiese pe teren
2. Podetul corespunde la convoalele de calcul UIC (LM71 si SW/2).
3. Lucrarile se vor executa conform caietului de sarcini prevazute 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, beton armat si beton precomprimat. Partea 2: Executarea lucrarilor din beton", indicativ NE 012/2–2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C26–1985.
4. Daca la executie se vor constata neconcordante intre situatia existenta pe teren si cea din proiect se va anunta proiectantul.
5. Constructia se incadreaza in categoria de importanta B (constructii de importanta deosebita), motiv de a asigurare a calitatii si clase de importanta B, conform HG 766/1997.
6. Protectul va fi verificat la asigurarea A4,2; B2,2; D2,2.
7. Se atrage in mod deosebit atentia asupra obligatiilotti rezervati elevilor prefabricate pe blocul de fundatie prin 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:
–Layout Plan
–Longitudinal Profile
–Cross-section Profile
–Bridge's File
–Hydraulic determination
–Field Data
2. The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
3. The execution will strictly comply with the provisions of "Practice code for the concrete production and works execution, reinforced and 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 shall be made accordingly to Norm C 26–1985.
4. If during the execution, discrepancies are found between the existing situation on site and the situation from the project, the designer shall be notified.
5. The construction has been classified in B category of importance (high important constructions), model 1–ensuring the quality and class of importance B 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.Propping is prohibited without direct layer of cement mortar.

LEGENDA BETOANELOR
CONCRETE LIST

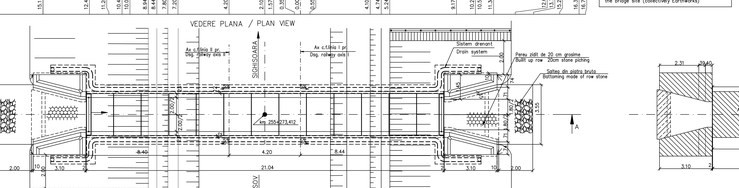
–Beton in elemente prefabricate in general (cadre, aripi, timpane,):
–Concrete for prefabricated elements generally (frameworks, wings, tympana,
C 35/45 – CEM II/A–S 32,5 – (XC4+XF3+XA1) – A/C = 0,50 – Dmax22 – Cl 0,20

–Beton in fundatia podestelor, a elementelor de racordare (aripi, pinteni), in pereu
Concrete for the foundation of culverts, of connecting elements
(wings, breakwaters), in pitching
C25/30–CEM II/A–S 32,5–(XF1)–A/C=0,50–Dmax32–Cl0.20

–Beton in rigola drenurilor, fundatiile sferturilor de con si in peretru 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 – CEM II/A–S 32,5 – (XC4+XF3+XA1) – A/C = 0,50 – Dmax32 – Cl 0,20

–Beton in strat de protectie a hidroizolatiei:
–Concrete for the waterproofing protection layer:
C 25/30 – CEM II/A – S 32,5 – (XC4+XF3) – A/C = 0,50 – Dmax16 – Cl 0,20

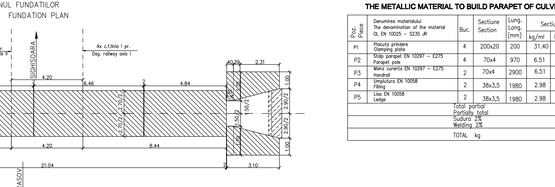
VEDERE PLANA / PLAN VIEW



ARC–754 km 255+251,20
stg. 24,10m din ax fir I

ARC–753 km 255+200,00
stg. 24,40m din ax fir I

PLANUL FUNDATIILOR
FUNDATION PLAN



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

Poz. Pos.	Denumirea materialului The denomination of the material CL EN 10025 – S235 JR	Buc.	Sectiune Section	Lung. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Piesuta prindere Clamping plate	4	200x20	200	31.40	6.28	25.12
P2	Teava 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	36x3,5	1980	2.98	5.90	11.80
P5	Lisa EN 10058 Ledge	2	36x3,5	1980	2.98	5.90	11.80
	Total partial Partially total						111.74
	Sudare 2% Welding 2%						2.24
	TOTAL kg						115

Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri, fara permisiunea AREX LIDER COMPANY cu proprietar al desenului.
This drawing is forbidden to be copied, lent or used in other purposes than those previously approved by AREX LIDER COMPANY as its owner.

Indice / Index	Data / Date	Revizia / Modificare/Revision	Proiectant / Designer	Aprobat Consultant / Approved CNFR	Aprobat CNFR / Approved CNFR
D					
C					
B					
A	13.2011	Revizia 1	Elena Radu		

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 Grupo Ferrovial Italia STATO Joint Venture leader

Scott Wilson

OBERMEYER PLANEN + BERATEN GmbH

TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

			Data / Date	Semnătura / Signature
Aprobat / Approved	Şef proiect / Project manager	R. Liazza		
Aprobat / Approved	Coordonator Restanta 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Expert Cheie / Checking Expert	V.Kallikrantis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat / Approved	Responsabil Subcontractant / Subcontractant Responsible	A. Dinulescu Stanciu	10.2011	
Întocmit / Elaborated	Proiectant / Designer	Elena Radu	10.2011	

Reabilitarea liniei de cale ferata Brasov – Simeria, parte componenta a coridorului IV Pan European, pentru viteze de trenuri/or cu viteze maxima de 160 km/h, Tronsonul : Brasov – Bighiseara

Rehabilitation of the railway line Brasov – Simeria, component Part of the V Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Brasov – Bighiseara

Proiect/Project 2004/RO16/PPA/003

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

Denumire desen / Drawing Title :

INTERVAL / SECTION: CATA - ARCHITA

PODET - KM 255+273,412 / KM 255+273,412 - CULVERT

DISPOZITIE GENERALA / GENERAL DISPOSITION

Codificare / Codification System	Scara / Scale 1:100; 1:5	LOT / LOT	Nr. / No. 29	05
E A 5 1 0 1 C 1 4 P A P O 0 6 3 1 0 0 2 1				