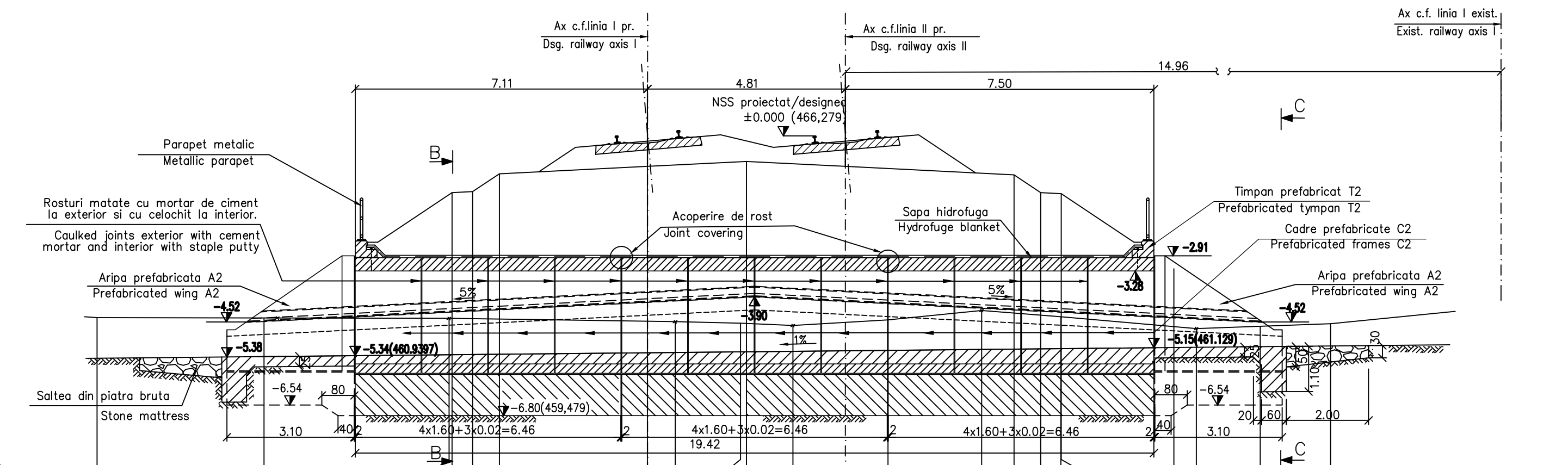


SECTIUNE LONGITUDINALA A-A/
LONGITUDINAL SECTION A-A



458.0 m datum																								
Nivelul platformei pr. Subgrade		461.817		464.867	464.892	465.325	465.505	465.625	465.505	465.900	466.867	466.842	463.016	461.617	461.678									
Nivelul terenului existent Ground	461.826		461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808	461.808									
Distanța Distance	18.97	14.137	9.637	9.953	8.413	4.813	4.137	2.549	2.407	1.276	0.000	1.035	3.913	4.100	4.750	5.240	461.849	5.250	7.988	8.533	461.561	10.087	11.796	461.678

NOTA
Numar de elemente prefabricate
-Cadre C2 : 12buc
-Aripi prefabricate A2: 4buc.
-Timpane prefabricate T2 2buc

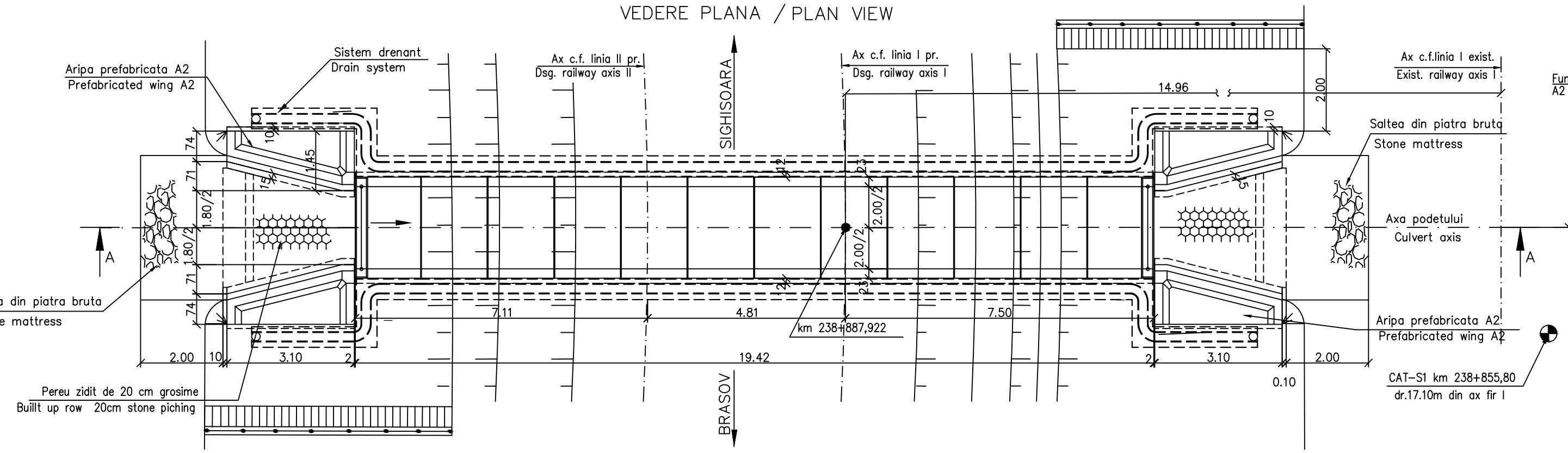
NOTE
Number of precast section
-Prefabricated frames C2 12pcs.
-Prefabricated wings A2 4pcs.
-Head-wall T2 2pcs.

DATE HIDRAULICE:
-Inaltimea de apa: h=0,97m
-Perimetrul udat: P=3,94m
-Aria udata: A=1,94m²
-Viteza de curgere a apei V=3,08m/s

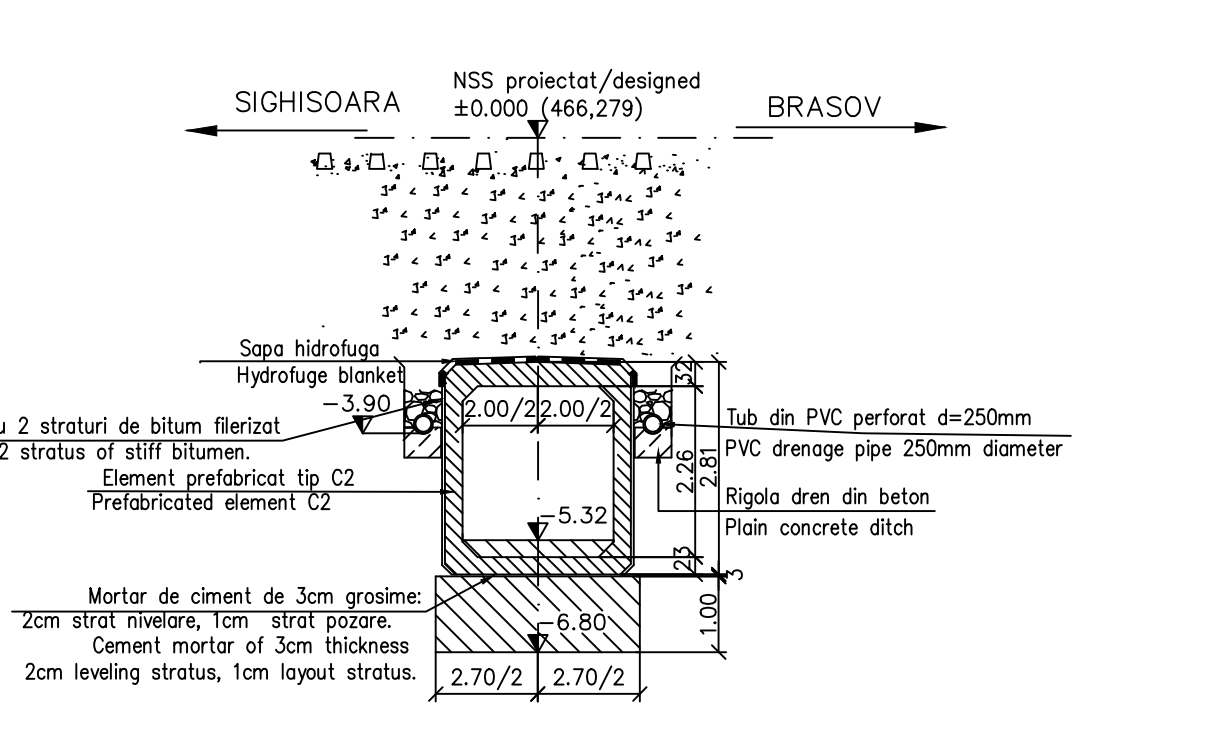
HIDRAULIC DATA:
-Hydraulic height: h=0,97m
-Perimeter: P=3,94m
-surface: A=1,94m²
-Water flow speed: V=3,08m/s

LEGENDA BETOANELOR
CONCRETE LIST

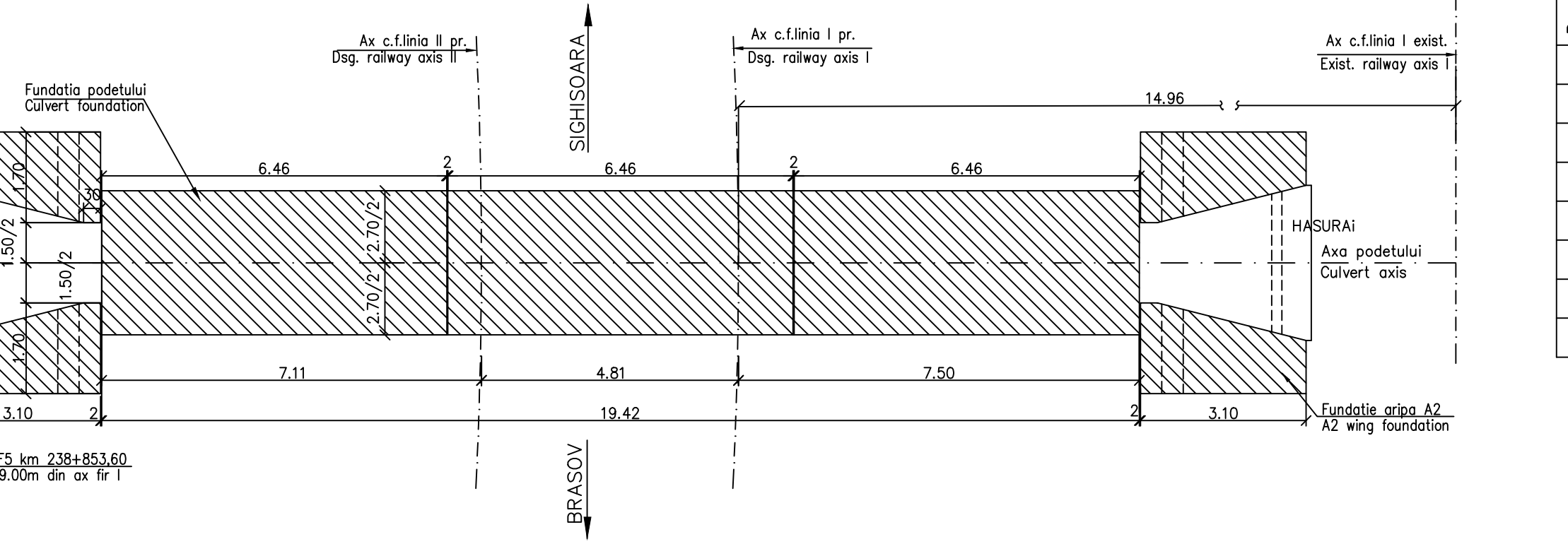
- Beton în elemente prefabricate în general (cadre, aripi, timpane);
-Concrete for prefabricated elements generally (frames, wings, tympanos)
C 35/45 - CEM II/A - S 32,5 - (XC4+XF3+XA1) - A/C = 0,50 - Dmax22 - Cl 0,20
- Beton în fundatia podetelor, a elementelor de racordare (aripi, pinteni), in peruu.
-Concrete for the foundations of culverts, of connecting elements (wings, breakwaters), in pitching
C 25/30 - CEM II/A - S 32,5 - (XF1) - A/C = 0,50 - Dmax32 - Cl 0,20
- Beton în rigola drenurilor, fundatiile sterturilor de con si pentru realizarea stratului suport pentru peruu;
-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 în stratul 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



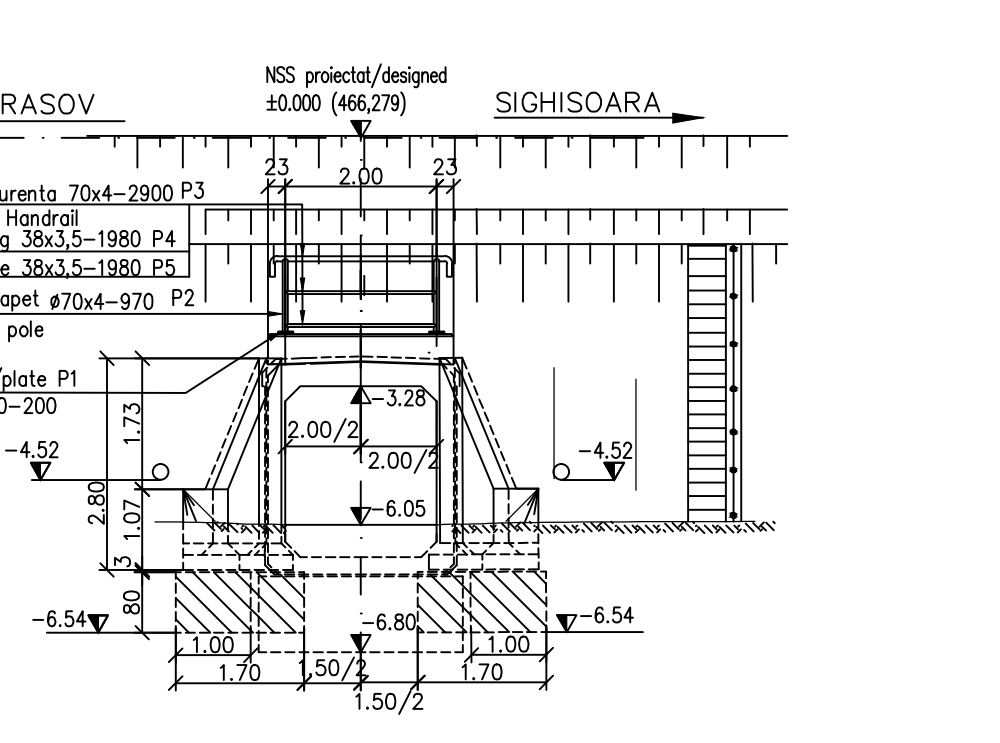
SECTIUNE TRANSVERSALA B-B/
CROSS SECTION B-B



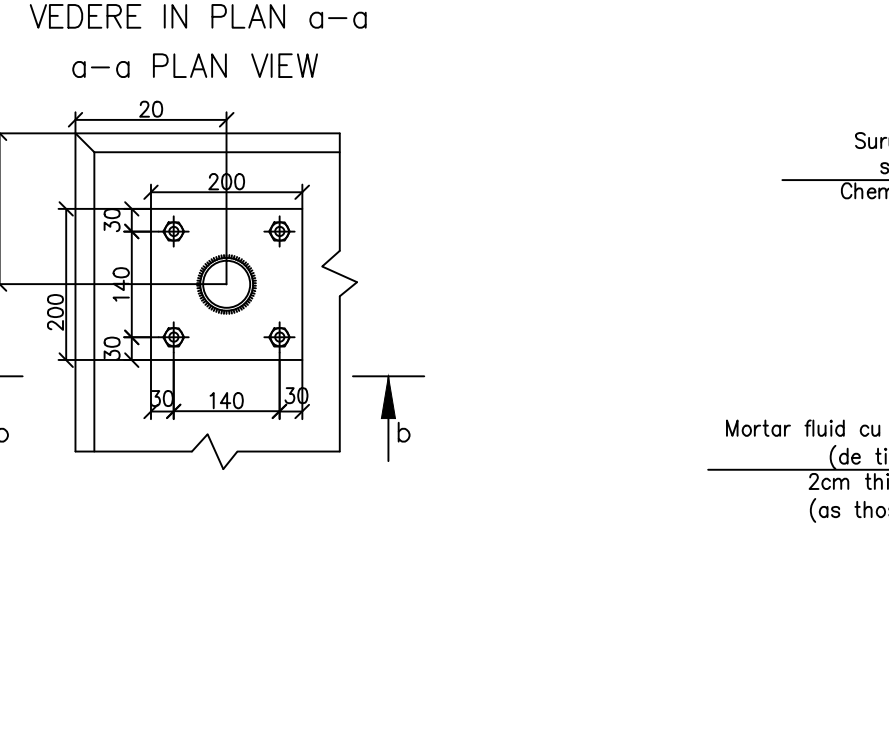
PLANUL FUNDATIILOR
FOUNDATION PLAN



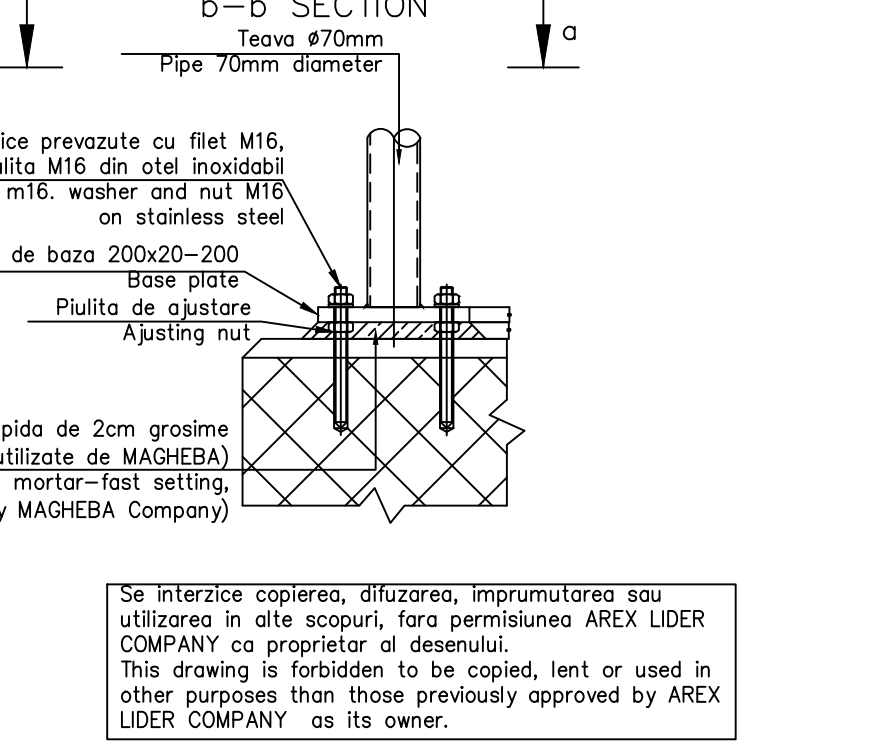
SECTIUNE C-C/
C-C SECTION



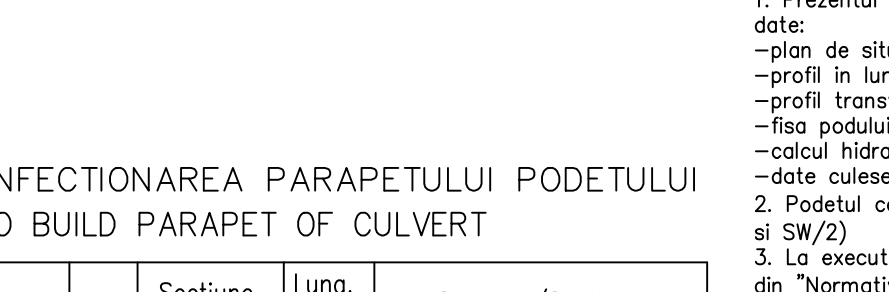
DETALIU PENTRU PRINDEREA PLACUTELOR P1 DE TIMPAN
DETAIL TO JOIN THE SLABS P1 AT THE TYMPANUM



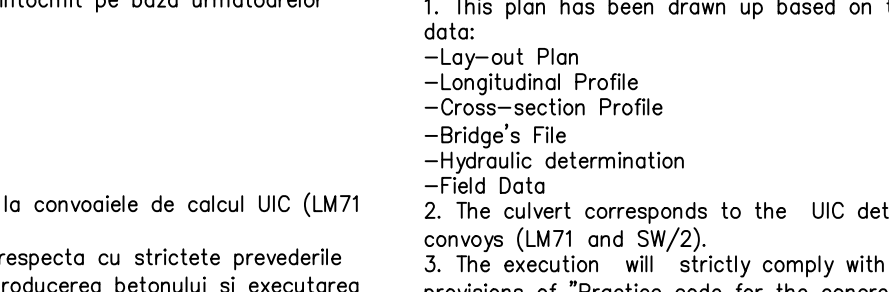
SECTIUNE b-b
b-b SECTION



VEDERE IN PLAN a-a
a-a PLAN VIEW



SECTIUNE a-a
a-a SECTION



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

Poz. / Piece	Denumirea materialului / The denomination of the material	Buc.	Sectiune / Section	Lung. / Long. (mm)			Sectiune / Section			
				kg/ml	kg/buc	kg	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	4	70x4	970	6,51	6,32	25,26			
P3	Mana curenta EN 10297 - E275	2	70x4	2900	6,51	18,88	37,76			
P4	Umpuitura EN 10058	2	38x3,5	1980	2,98	5,90	11,80			
P5	Ledje EN 10058	2	38x3,5	1980	2,98	5,90	11,80			
Total partial							111,74			
Partially total										
Sudura 2%							2,24			
Welding 2%										
TOTAL							115			

NOTA:
1. Prezentul plan s-a intocmit pe baza urmatoarelor date:
-plan de situatie
-profil in lung
-profil transversal
-fisa podului
-calcul hidraulic
-date culesse pe teren
2. Podetul corespunde la convoaiele de calcul UIC (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 2: Executarea lucrarilor din beton", indicativ NE 012/2-2010, iar verificarea calitatii lucrarilor si receptionarea lor se va face conform normativului C56-1985.
4. Daca la executie se vor constata neconcordanțe între 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), modelul 1 de asigurare a calitatii si clasa de importanta B, conform HG 766/1997.
6. Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
7. Se atrage in mod deosebit atentia asupra obligativitatii rezemarii elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafata între talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

NOTE:
1. This plan has been drawn up based on the following data:
-Lay-out Plan
-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 56-1985.
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 B category of importance (high important constructions), model 1-ensuring the quality and class of importance B according to G.O. 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.

D					
C					
B					
A	12.2011	Revizia 1	Elena Radu	Aprobat Consultant	Aprobat CFR
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved CFR



GVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

CFR

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

CLIENT / CLIENT

ITALFERR
GRUPUL TERROVE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT		Data Date	Semn tur Signature
Aprobat Approved	ef proiect Project manager		
Aprobat Approved	Coordonator Sec Iune 1 Section 1 Coordinator	R. Liuzza	
Verificat Checked	Expert Cheie Checking Expert	C. Gambelli	
		V.Kallidromitis	

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved

Responsabil Subconsultant Subconsultant Responsible

A. Dinulescu Stanciu

11.2011

Reabilitarea liniei de cale ferata de cale ferata [] c a coridorului IV Pan European, pentru circula la trenurilor cu viteza maxim de 160 km/h,
Tronsoanel: 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

Denumire desen / Drawing Title :

INTERVAL/SECTION CATA-ARCHITA
PODET km 238+887,922 / DISPOZITIE GENERALA
CULVERT km 238+887,922 / GENERAL LAYOUT

Modificare / Codification System	Scara / Scale 1:100; 1:5	LOT / LOT	Nr. / No 01 / 01
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E	A	5	1	0	1	C	1	4	P	A	P	O	0	7	3	1	0	0	2	1
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