

NOTA
 Numar de elemente prefabricate
 -Cadre C2 : 10buc
 -Aripi prefabricate A2: 4buc.
 -Timpane prefabricate 2buc

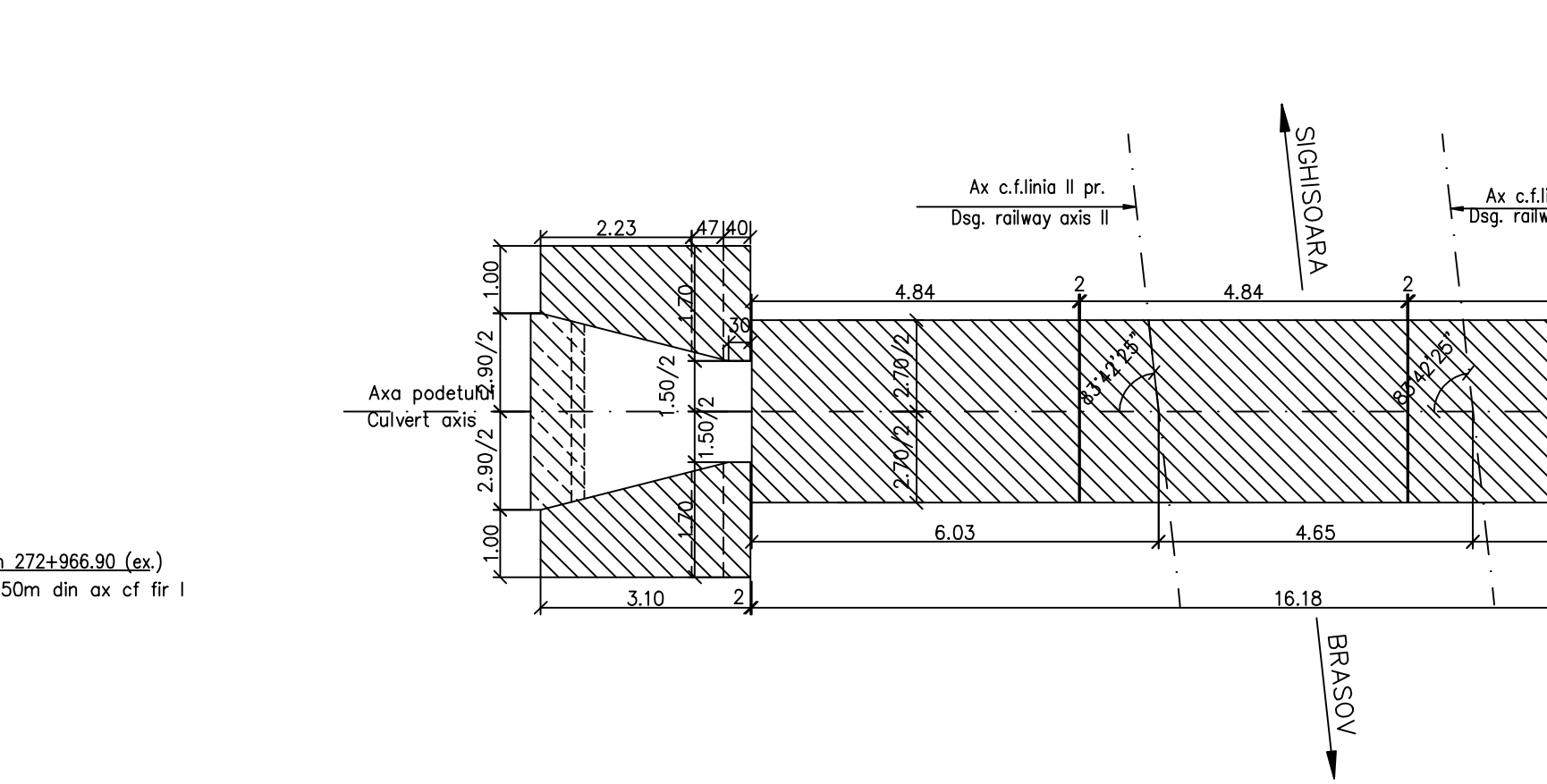
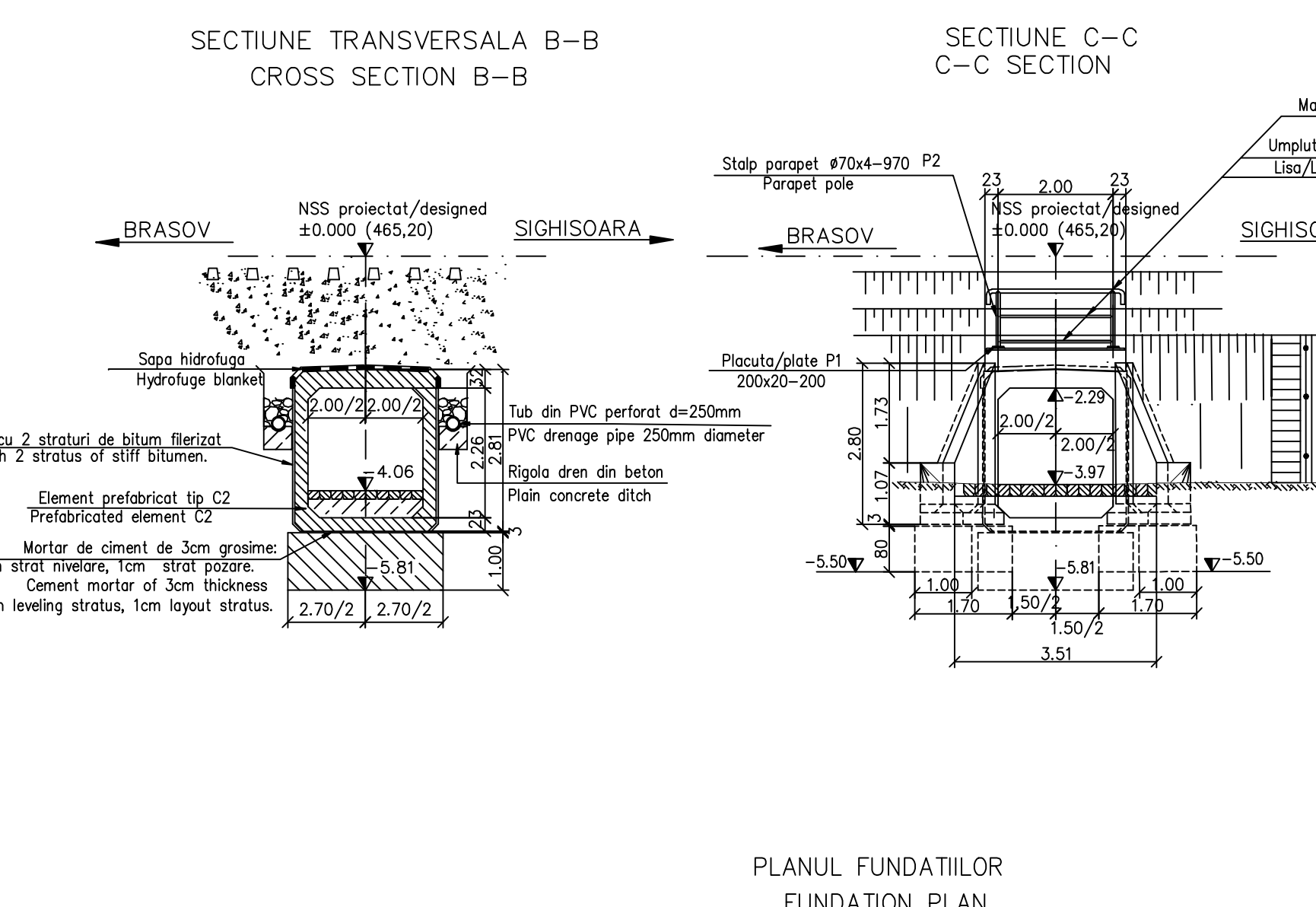
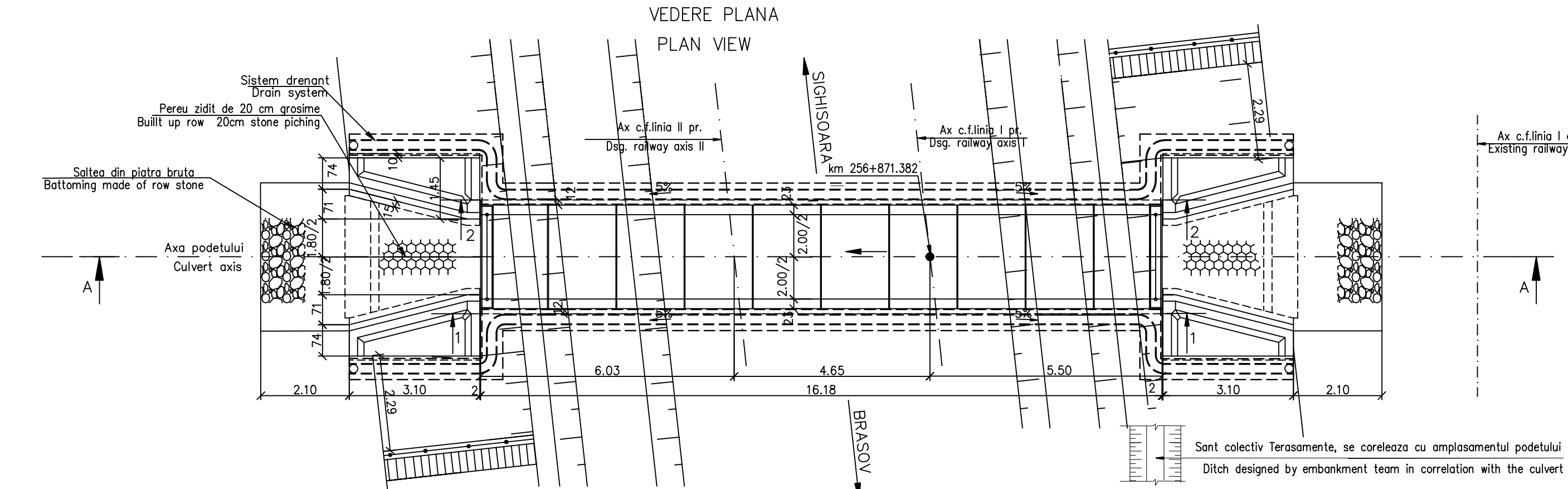
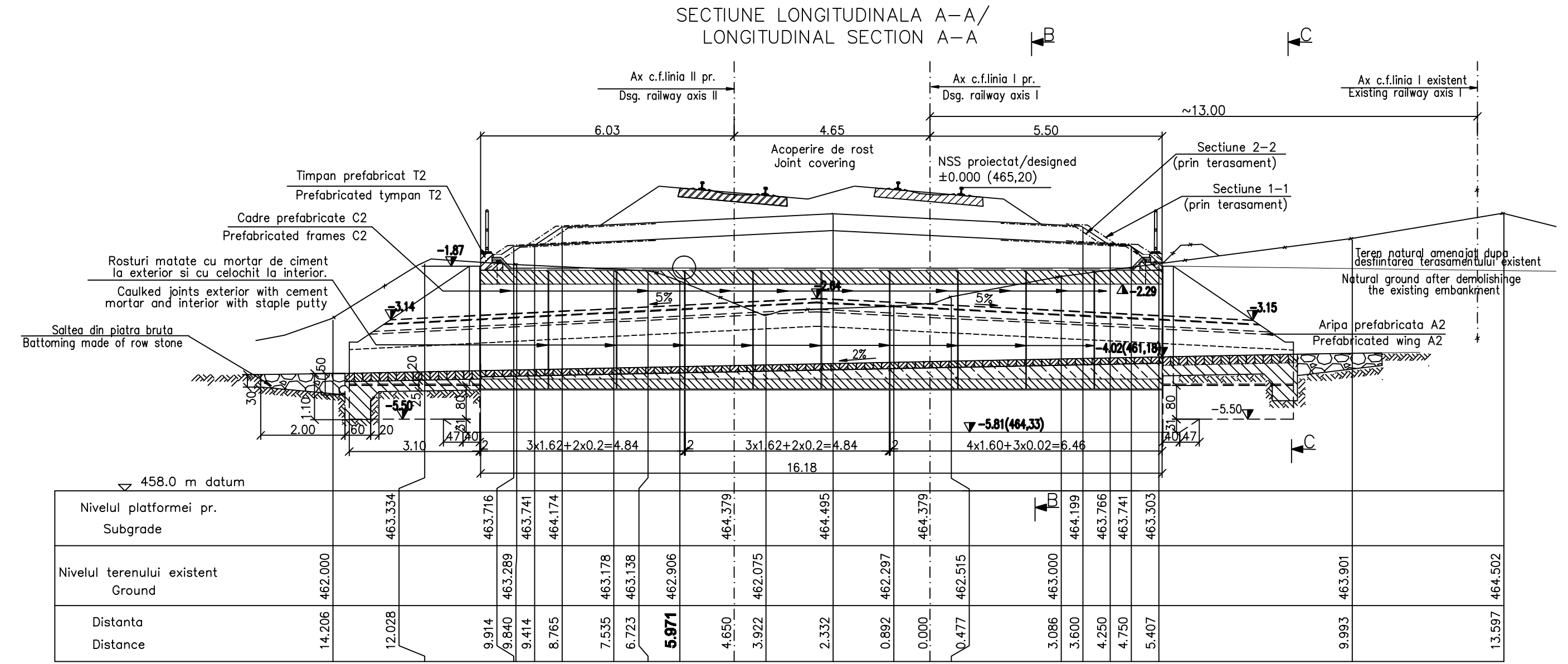
DATE HIDRAULICE:
 -Inaltimea de apa: h=1,06m
 -Perimetrul udat: P=4,12m
 -Aria udata: A=2,12m²
 -Viteza de curgere a apei V=3,23m/s

NOTE
 Number of precast section
 -Prefabricated frames C2 10pcs.
 -Prefabricated wings A2 4pcs.
 -Head-wall 2pcs.

HIDRAULIC DATA:
 -Hydraulic height: h=1,06m
 -Perimeter: P=4,12m
 -surface: A=2,12m²
 -Water flow speed: V=3,23m/s

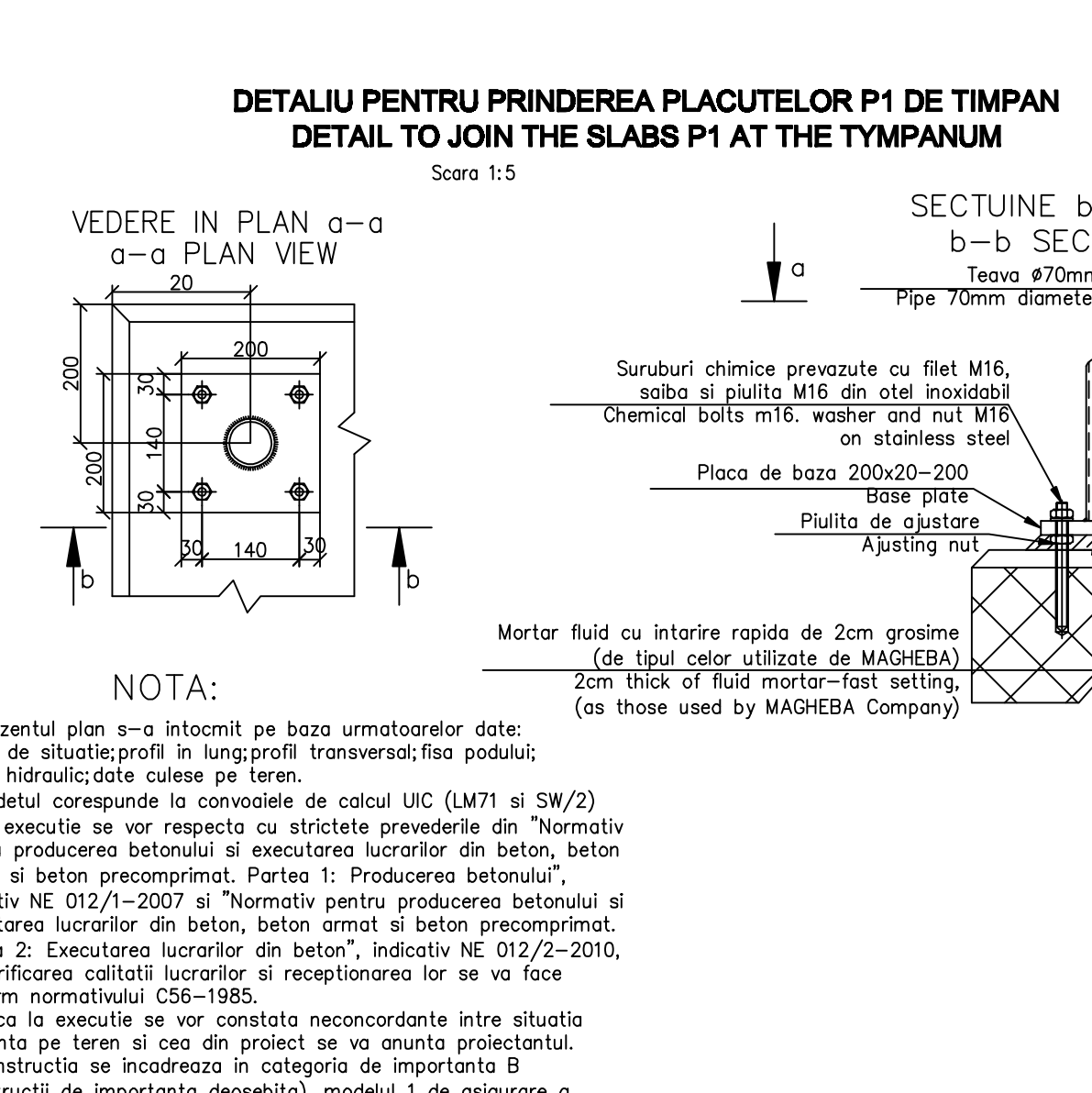
**LEGENDA BETOANELOR
 CONCRETE LIST**

- Beton în elemente prefabricate în general (cadre, aripi, timpane);
 -Concrete for prefabricated elements generally (frames,wings, tympana,
 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, pintoni), in perez
 Concrete for the foundations 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 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 - 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



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

Poz. / Piece	Denumirea materialului / The denomination of the material OL 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
Partially total							
Sudura 2%							2.24
Welding 2%							
TOTAL					kg		115



NOTA:
 1. Prezentul plan s-a întocmit pe baza urmatoarelor date:
 -plan de situatie;profil in lung;profil transversal;fisa podului;
 calcul hidraulic;date culese 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 1: 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 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 inadreaza 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 în mod deosebit atentie 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;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 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 noticed.
 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.

Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri, fara permisiunea AREX Lider Company ca 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.

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

GUVERNUL ROMANIEI / ROMANIAN GOVERNMENT **PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT**

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

CLIENT / CLIENT
ITALFER **Scot Wilson** **OBERMEYER PLANEN + BERATEN GmbH** **TECNIC**
 GRUPPO FERROVIE DELLO STATO **Joint Venture leader** **Consulting Engineers**

CONSULTANT / CONSULTANT

Aprobat Approved	Şef proiect Project manager	R. Luzzza	Data Date	Semnatura Signature
Aprobat Approved	Coordonator Sectiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Cheie Checking Expert	V.Kalidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Aprobat Approved	Responsabil Subcontractant Subcontractant Responsible	A. Dinulescu Stancliu	09.2011	
Intocmit Elaborated	Proiectant Designer	Elena Radu	09.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă 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 256+871.382 / KM 256+871.382 - CULVERT
DISPOZITIE GENERALA / GENERAL DISPOSITION

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

E A 5 1 0 1 C 1 4 P A P O 0 6 9 1 0 0 2 1