

NOTA
 Numar de elemente prefabricate
 -Cadre C2 : 7buc
 -Aripi prefabricate A2: 2buc.
 -Timpane prefabricate 2buc

DATE HIDRAULICE:
 -Inaltimea de apa: h=1,00m
 -Perimetrul udat: P=4,00m
 -Aria udata: A=2,00m²
 -Viteza de curgere a apei V=3,13m/s

NOTE
 Number of precast section
 -Prefabricated frames C2 7pcs.
 -Prefabricated wings A2 2pcs.
 -Head-wall 2pcs.

HIDRAULIC DATA:
 -Hydraulic height: h=1,00m
 -Perimeter: P=4,00m
 -Water flow speed: V=3,13m/s

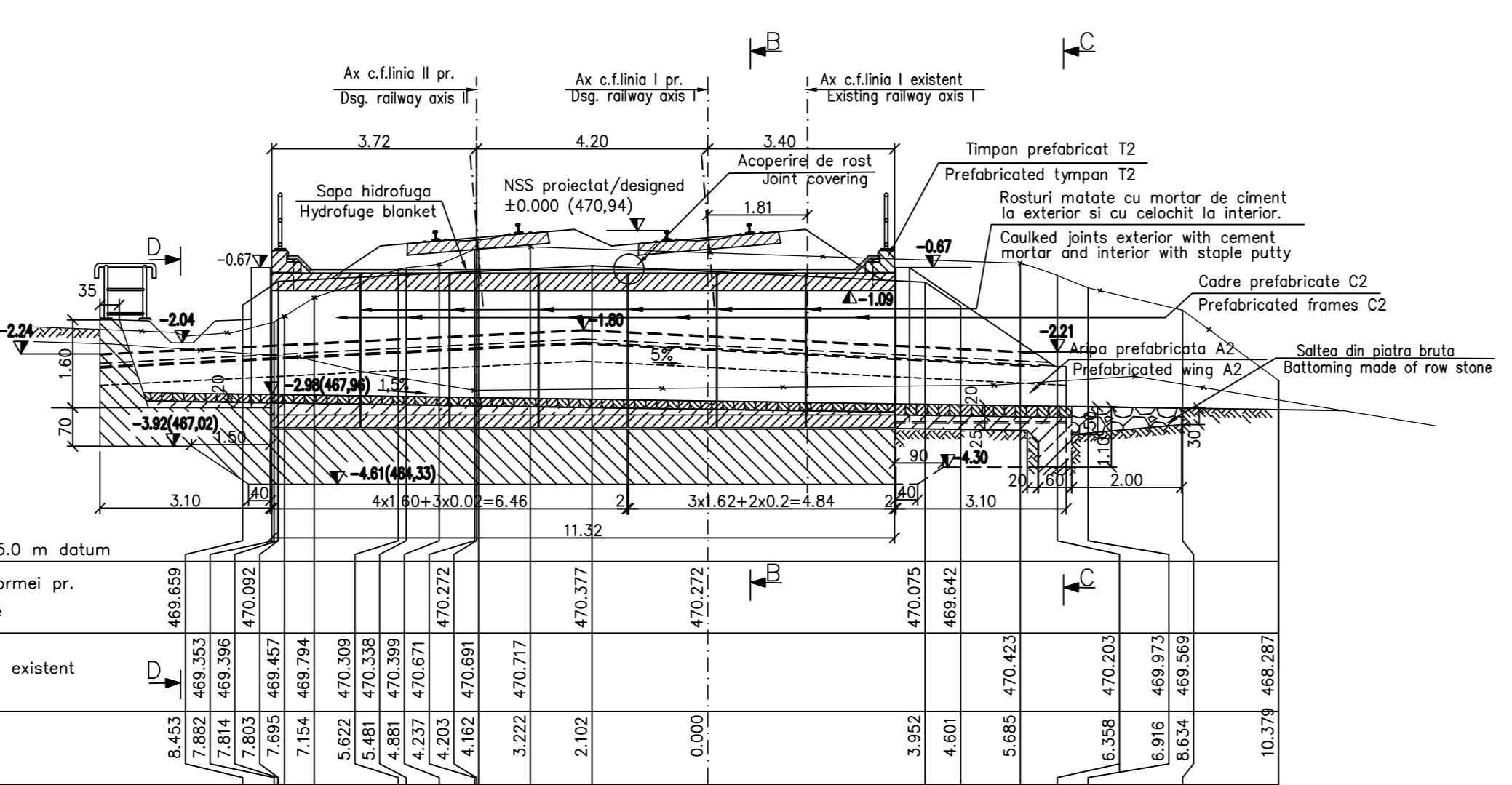
LEGENDA BETOANELOR CONCRETE LIST

- Beton in elemente prefabricate in general (cadre, aripi, timpane);
 -Concrete for prefabricated elements generally (frames, wings, tympanas)
- Beton in fundatia podetelor, a elementelor de racordare (aripi, pinte), in peruu.
 -Concrete for the foundations of culverts, of connecting elements (wings, breakwaters), in pitching
- Beton in rigola drenurilor, fundatiile sferurilor 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:
- Beton in stratul de protectie a hidroizolatiei;
 -Concrete for the waterproofing protection layer:

LEGENDA BETOANELOR CONCRETE LIST

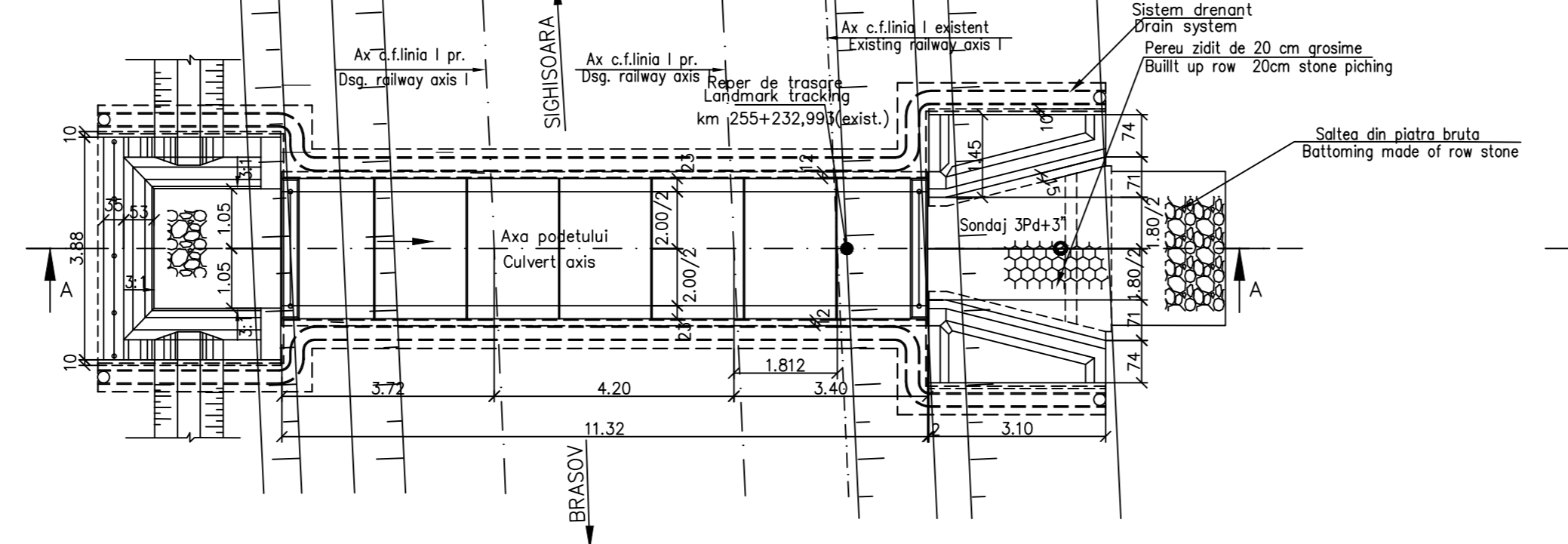
- C 25/30 - CEM II/A - S 32,5 - (XC4+XF3+XA1) - A/C = 0,50 - Dmax22 - Cl 0,20
- C 25/30 - CEM II/A - S 32,5 - (XC4+XF3) - A/C = 0,50 - Dmax32 - Cl 0,20
- C 25/30 - CEM II/A - S 32,5 - (XC4+XF3) - A/C = 0,50 - Dmax16 - Cl 0,20

SECTIUNE LONGITUDINALA A-A/
 LONGITUDINAL SECTION A-A

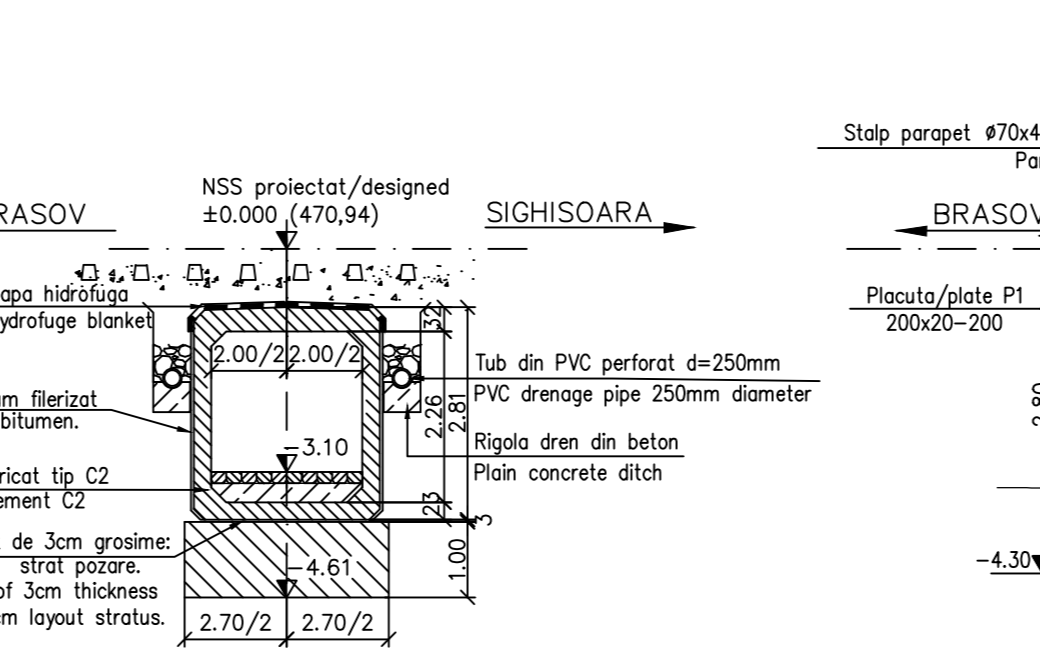


Nivelul platformei pr. Subgrade	469.659	470.092	469.794	470.309	470.338	470.399	470.671	470.691	470.717	470.772	470.772	470.075	469.642	470.423	470.203	468.973	469.569	468.287				
Nivelul terenului existent Ground	469.353	469.396	469.457	470.309	470.338	470.399	470.671	470.691	470.717	470.772	470.772	470.075	469.642	470.423	470.203	468.973	469.569	468.287				
Distanta Distance	8.453	7.882	7.814	7.803	7.895	7.154	469.457	5.622	4.881	4.237	4.203	4.162	3.222	2.102	0.000	3.952	4.601	5.685	16.358	16.916	8.634	10.379

VEDERE PLANA
 PLAN VIEW



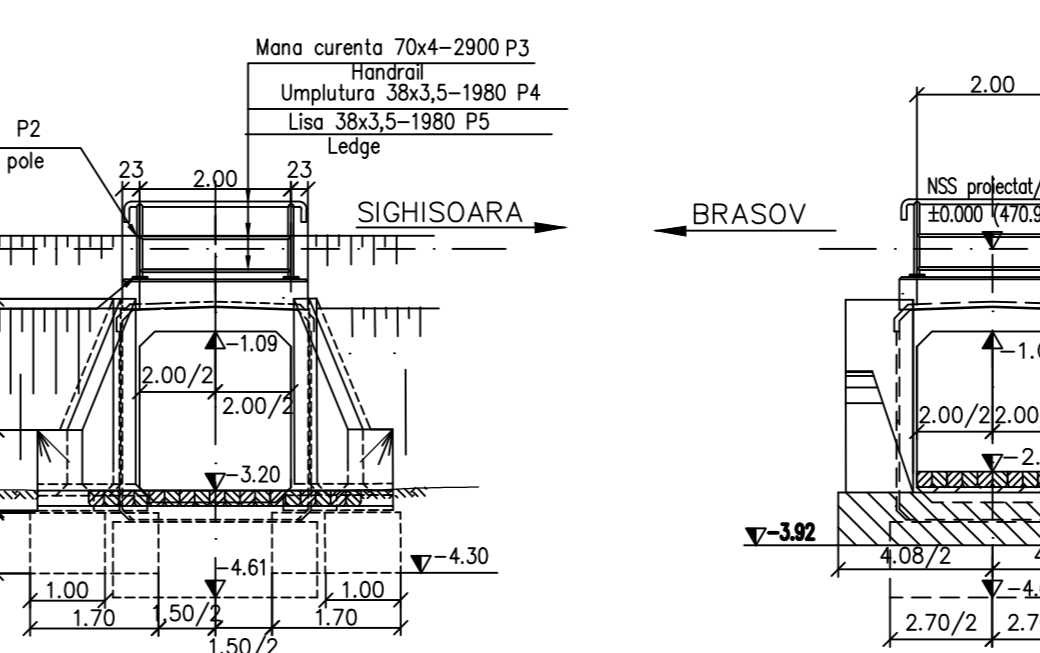
SECTIUNE TRANSVERSALA B-B/
 CROSS SECTION B-B



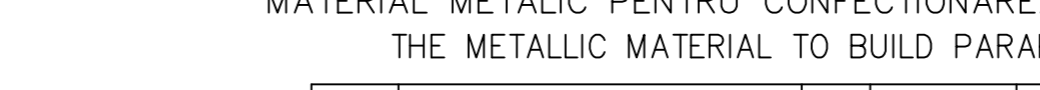
VEDERE IN PLAN a-a
 a-a PLAN VIEW



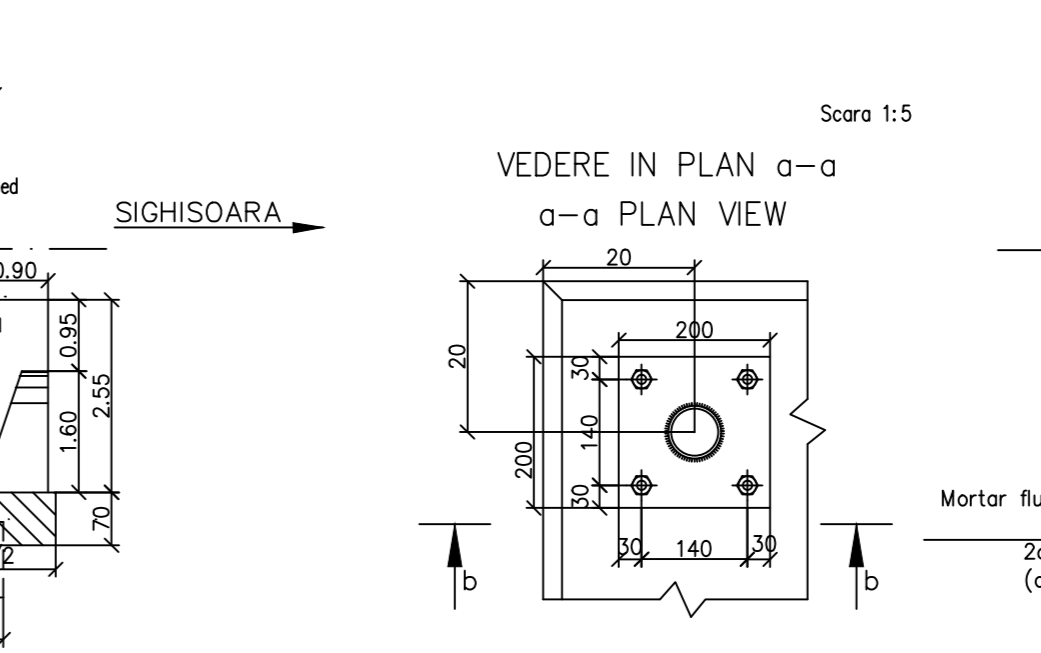
SECTIUNE C-C/
 C-C SECTION



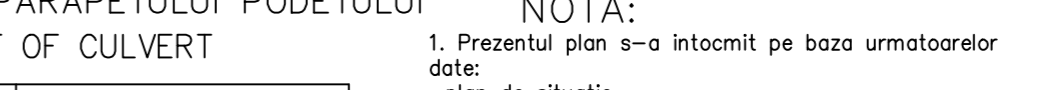
SECTIUNE D-D/
 D-D SECTION



SECTIUNE b-b
 b-b SECTION



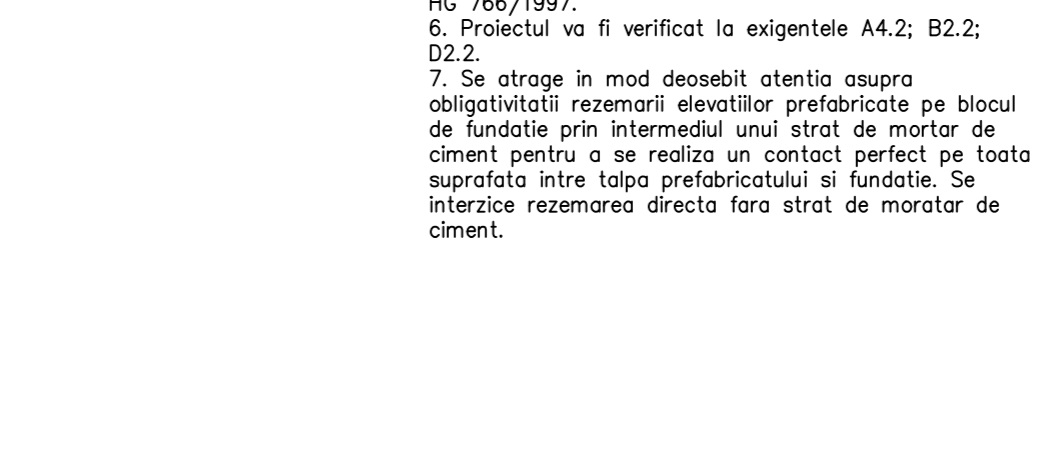
VEDERE IN PLAN a-a
 a-a PLAN VIEW



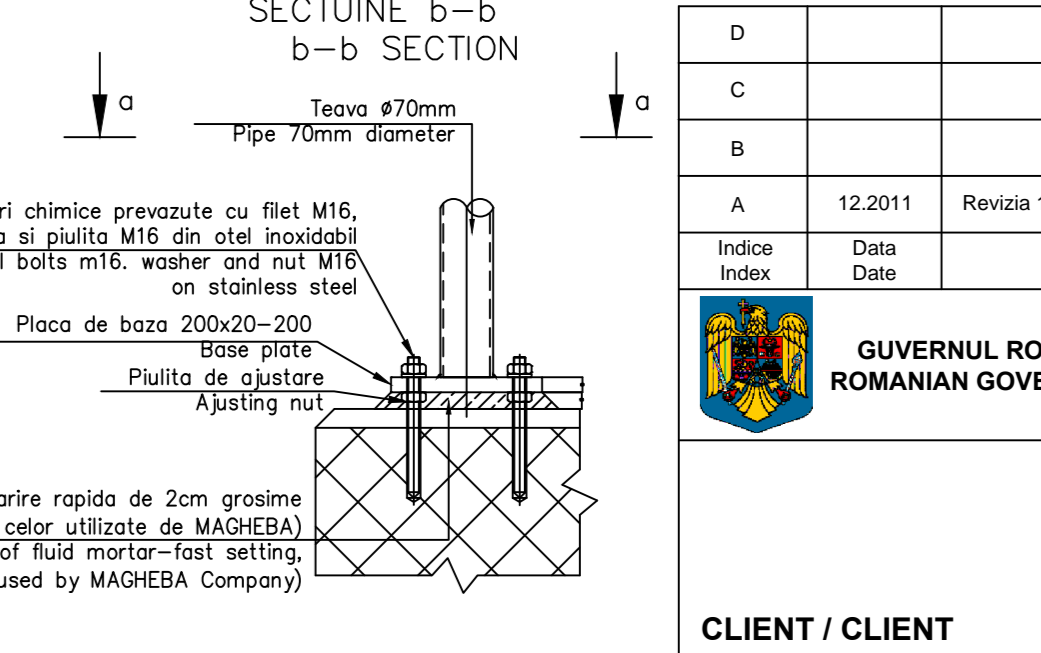
MATERIAL METALIC PENTRU CONFECTIONAREA PARAPETULUI
 THE METALLIC MATERIAL TO BUILD PARAPET OF CULVERT

Poz. Piece	Denumirea materialului The denomination of the material	Buc.	Sectiune Section	Lung. Long. (mm)	Sectiune/Section		
					kg/ml	kg/buc	kg
P1	Placuta prindere pahar 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							2.24
Sudura 2% Welding 2%							2.24
TOTAL							115

PLANUL FUNDATIILOR
 FOUNDATION PLAN



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



VEDERE IN PLAN a-a
 a-a PLAN VIEW



NOTA:
 The present plan s-a is intocmit pe baza urmatoarelor date:
 -plan de situatie
 -profil in lung
 -profil transversal
 -fisa podului
 -calcul hidrolic
 -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 neconcordante intre situatia existenta pe teren si cea din proiect se va anunta proiectantului.
 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 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 intre talpa prefabricatului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

NOTA:
 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 conveys (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 according 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.

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



GUVERNUL ROMANIEI
 ROMANIAN GOVERNMENT

PROIECT FINANAT DE UNIUNEA EUROPEANA
 EUROPEAN UNION FINANCED PROJECT

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

CLIENT / CLIENT



Proiectant Designer	R. Liuzza	Data Date		Semn tur Signature	
Coordonator Sec iune 1 Section 1 Coordinator	C. Gambelli				
Expert Cheie Key Expert	V. Kallidromitis				

SUBCONTRACTANT / SUBCONTRACTOR

Responsabil Subcontractant Subcontractant Responsible	A. Dinulescu Stanciu	09.2011		
Proiectant Designer	Elena Radu	09.2011		

Reabilitarea liniei de cale ferata CA 1000 km () c a coridorului IV Pan European, pentru circula ia trenurilor cu viteza maxim de 160 km/h,
 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

Interval/Section CATA-ARCHITA
 PODET km 240+223.514 / DISPOZITIE GENERALA
 CULVERT km 240+223.514 / GENERAL LAYOUT

Denumire desen / Drawing Title :

Scara / Scale 1:100; 1:5
 LOT / LOT
 Nr. / No 01 / 01

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