

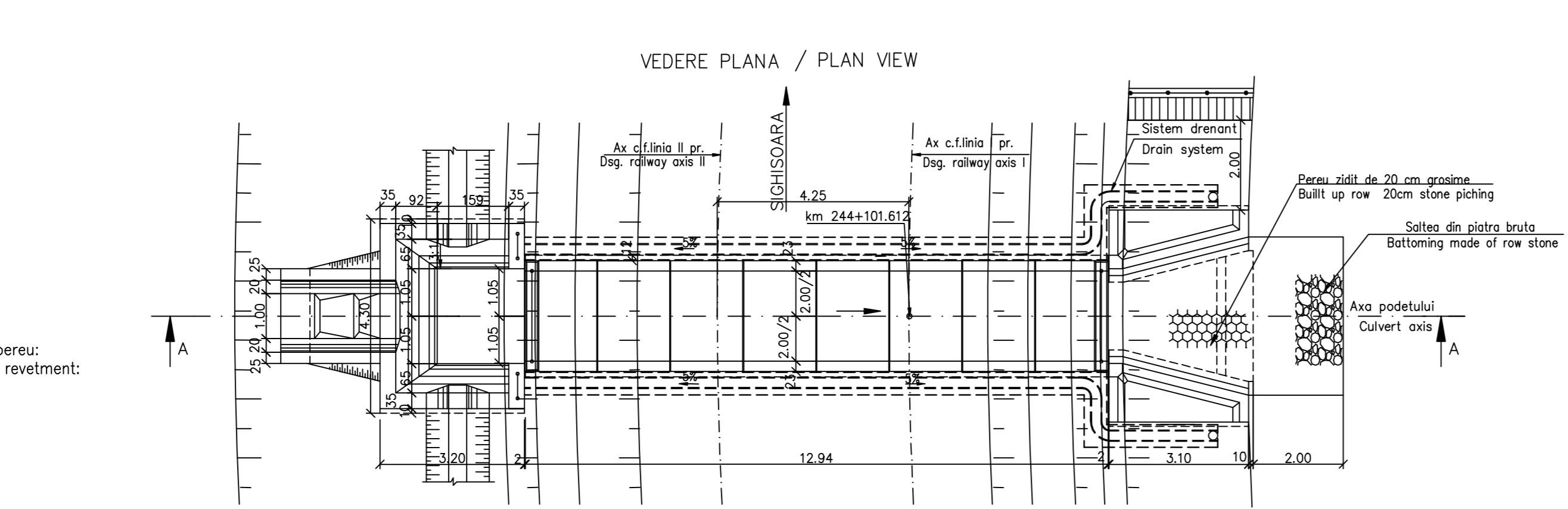
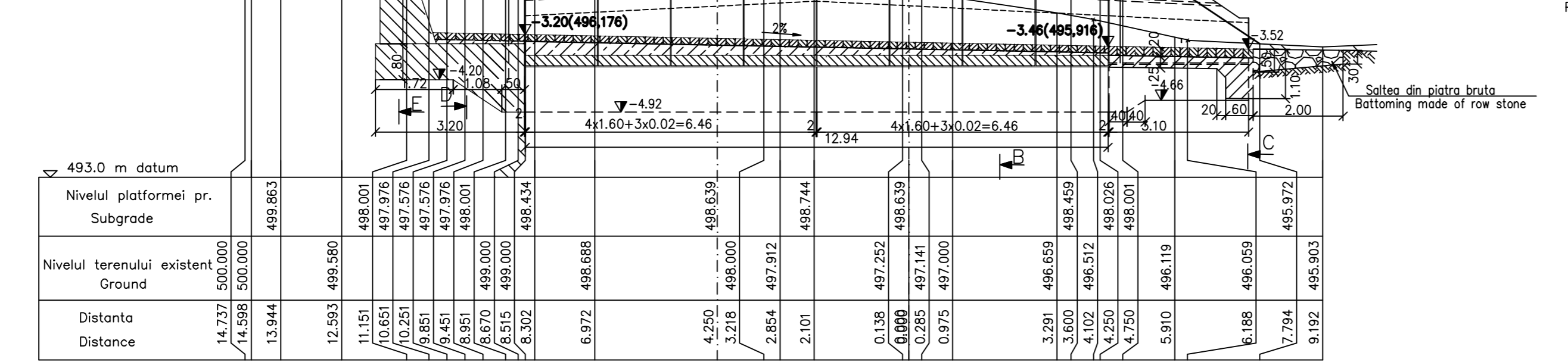
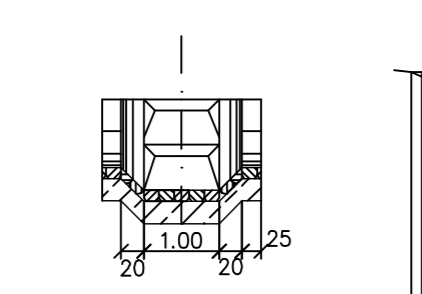
NOTA
 Numar de elemente prefabricate
 -Cadre C2 : 8buc
 -Aripi prefabricate A2: 2buc.
 -Timpane prefabricate T2: 2buc

DATE HIDRAULICE:
 -Inaltimea de apa: h=1,85m
 -Perimetrul udat: P=3,70m
 -Aria udata: A=1,70m²
 -Viteza de curgere a apei V=2,89m/s

NOTE
 Number of precast section
 -Prefabricated frames C2: 8pcs.
 -Prefabricated wings A2: 2pcs.
 -Head-wall T2: 2pcs.

HIDRAULIC DATA:
 -Hydraulic height: h=0,85m
 -Perimeter: P=3,70m
 -surface: A=1,70m²
 -Water flow speed: V=2,89m/s

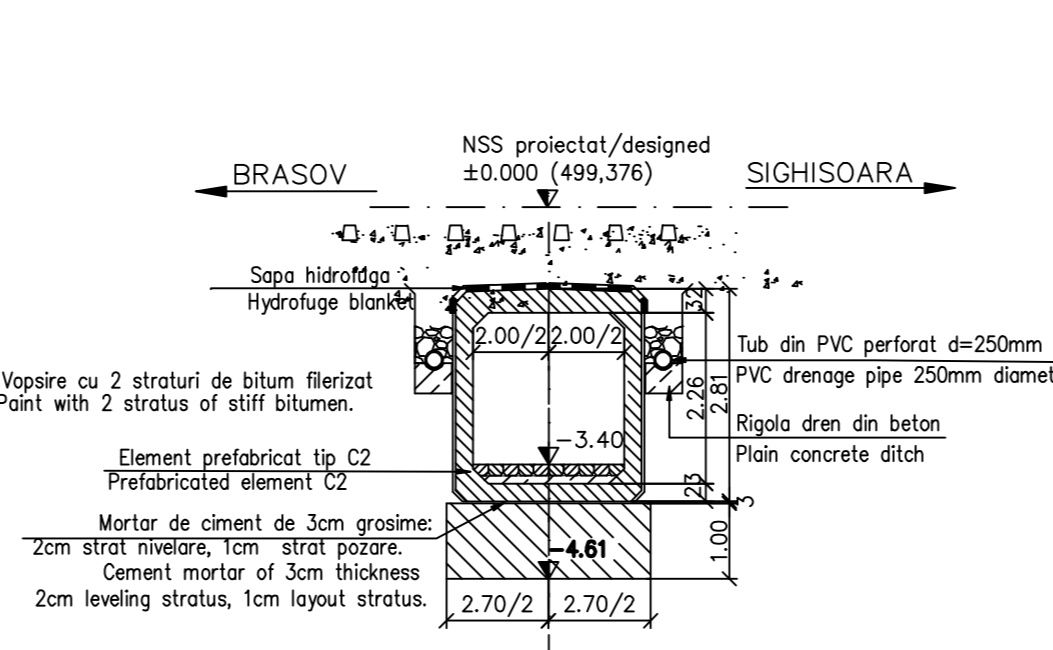
SECTIUNE E-E / E-E SECTION



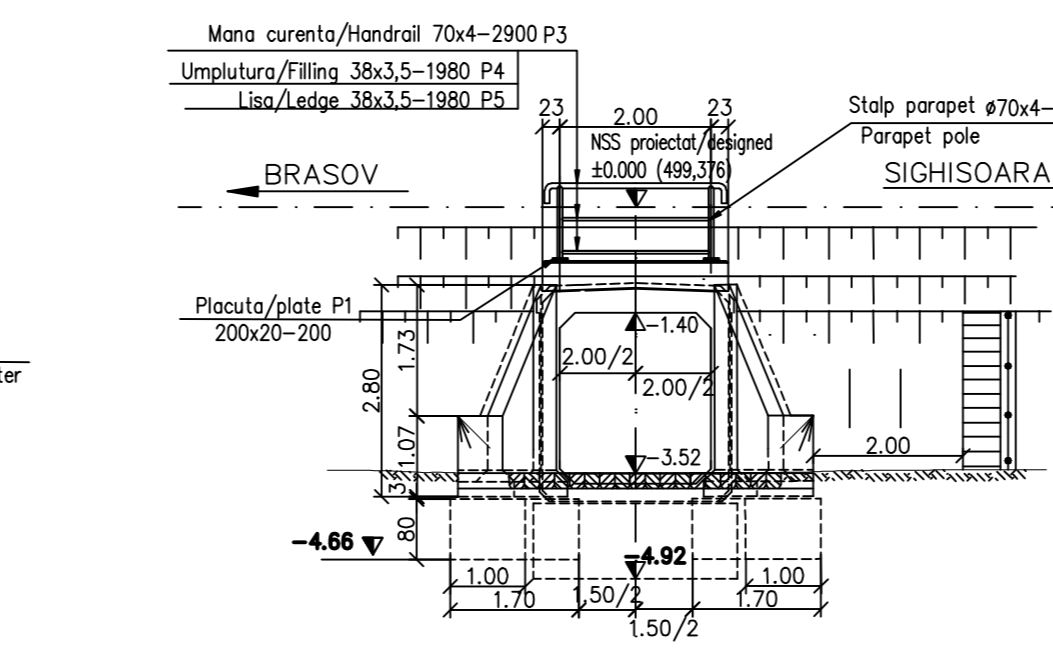
LEGENDA BETOANELOR / CONCRETE LIST

- Beton in elemente prefabricate in general (cadre, aripi, timpane);
 C 35/45 - CEM II/A - S 32,5 - (XC4+XF3+XA1) - A/C = 0,50 - Dmax22 - Cl 0,20
- Beton in fundatia podetelor, a elementelor de racordare (aripi, pinteni), in peruu
 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 - Cl 0,20
- Beton in rigola drenurilor, fundatiile sferturilor 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 in 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

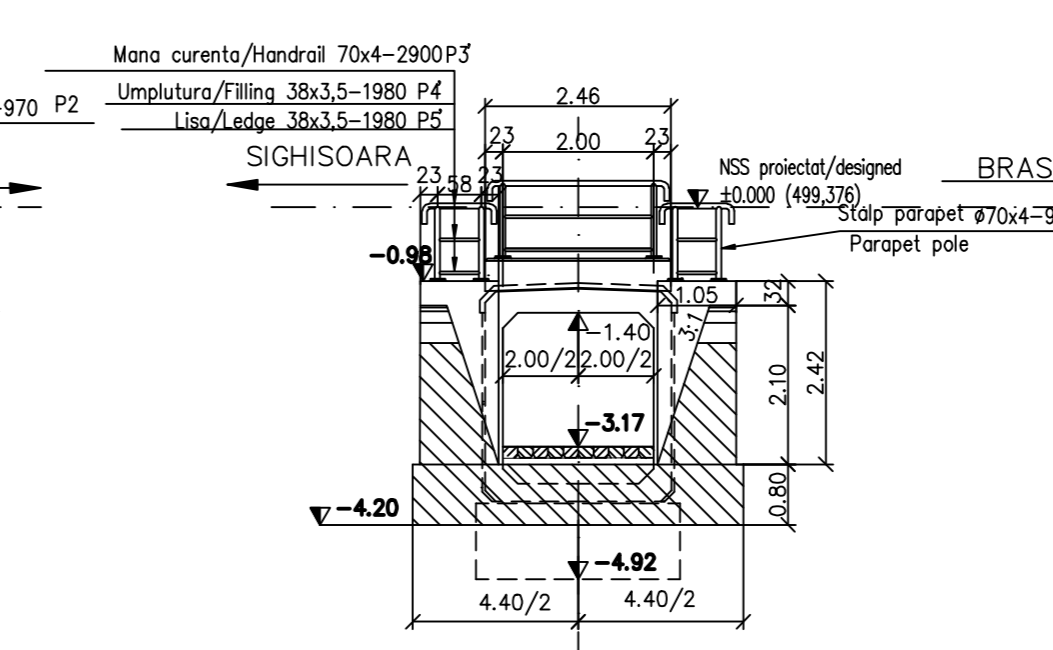
SECTIUNE TRANSVERSALA B-B / CROSS SECTION B-B



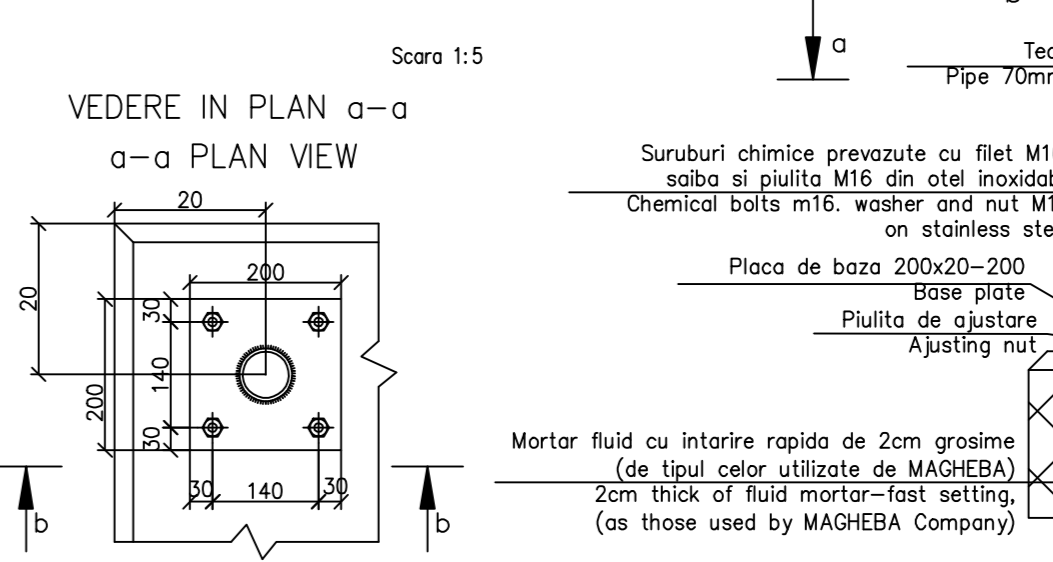
SECTIUNE C-C / C-C SECTION



SECTIUNE D-D / D-D SECTION



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

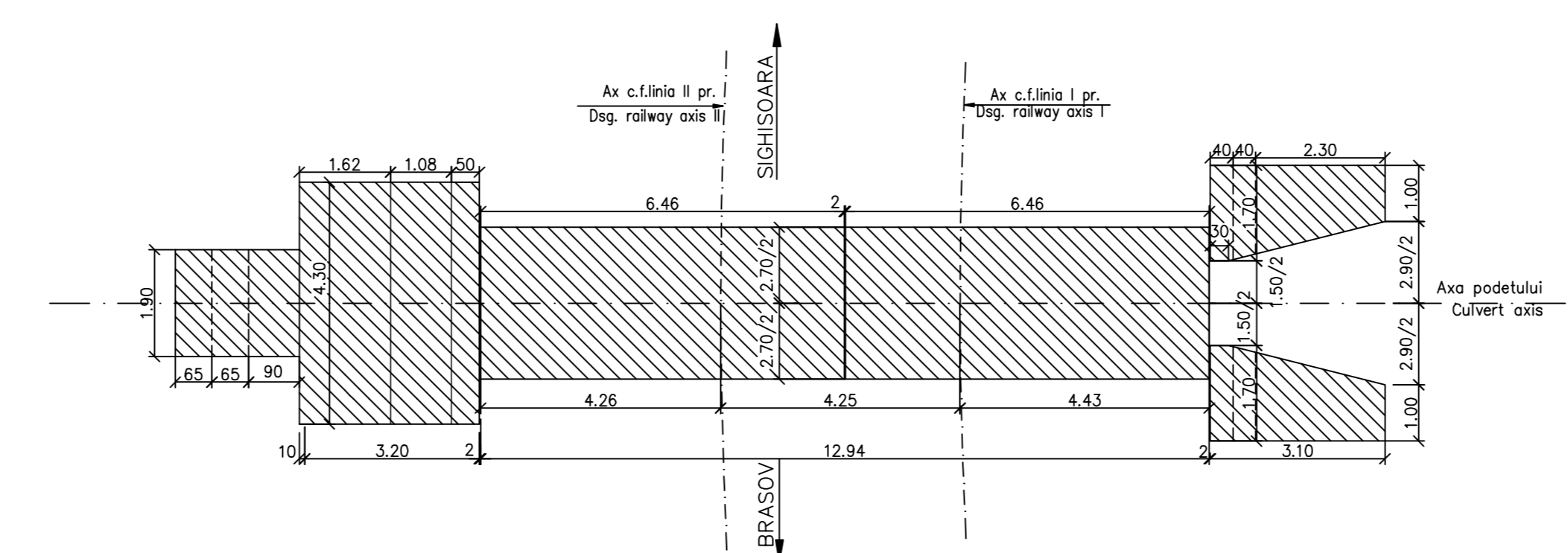


NOTA:
 1. Prezentul plan s-a intocmit pe baza urmatoarelor date:
 -plan de situatie
 -profil in lung
 -profil transversal
 -fisa podului
 -calcul hidraulic
 -date culese pe teren
 2. Podetul corespunde la convoaiele de calcul UIC (LM71 si SW/2)
 3. La executie se vor respecta cu strictete prevederile 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 receptorii lor se va face conform normativului CS6-1985.
 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), 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.

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 / 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	Mano 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
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'	Mano curenta EN 10297 - E275 / Handrail	2	70x4	1480	6.51	9.63	19.27
P4'	Umplutura EN 10058 / Filling	2	38x3,5	560	2.98	1.65	3.32
P5'	Lisa EN 10058 / Ledge	2	38x3,5	560	2.98	1.65	3.32
Total partial / Partially total					188.03		
Sudura 2% / Welding 2%					3.76		
TOTAL kg					195		

PLANUL FUNDATIILOR / FUNDATION PLAN



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D	C	B	A	Index	Date	Modificari / Modifications	Proiectant / Designer	Aprobat / Approved	Aprobat CFR / Approved CFR
			12.2011		Revizia 1		Elena Radu		



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



CONSULTANT / CONSULTANT		Date	Semnatura / Signature
Approved	Self project / Project manager		R. Liuzza
Approved	Coordinator Section 1 / Section 1 Coordinator		C. Gambelli
Verified / Checked	Expert Check / Checking Expert		V. Kallidromitis

SUBCONTRACTANT / SUBCONTRACTOR

Approved / Elaborated	Responsabil Subcontractant / Subcontractant Responsible	Date	Semnatura / Signature
	A. Dinulescu Stanciu	11.2011	
	Elena Radu	11.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulatia trenurilor cu viteza 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 244+101.612 / KM 244+101.612 - CULVERT
DISPOZITIE GENERALA / GENERAL DISPOSITION

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

E A 5 1 0 1 C 1 4 P A P O 0 7 2 1 0 0 2 1