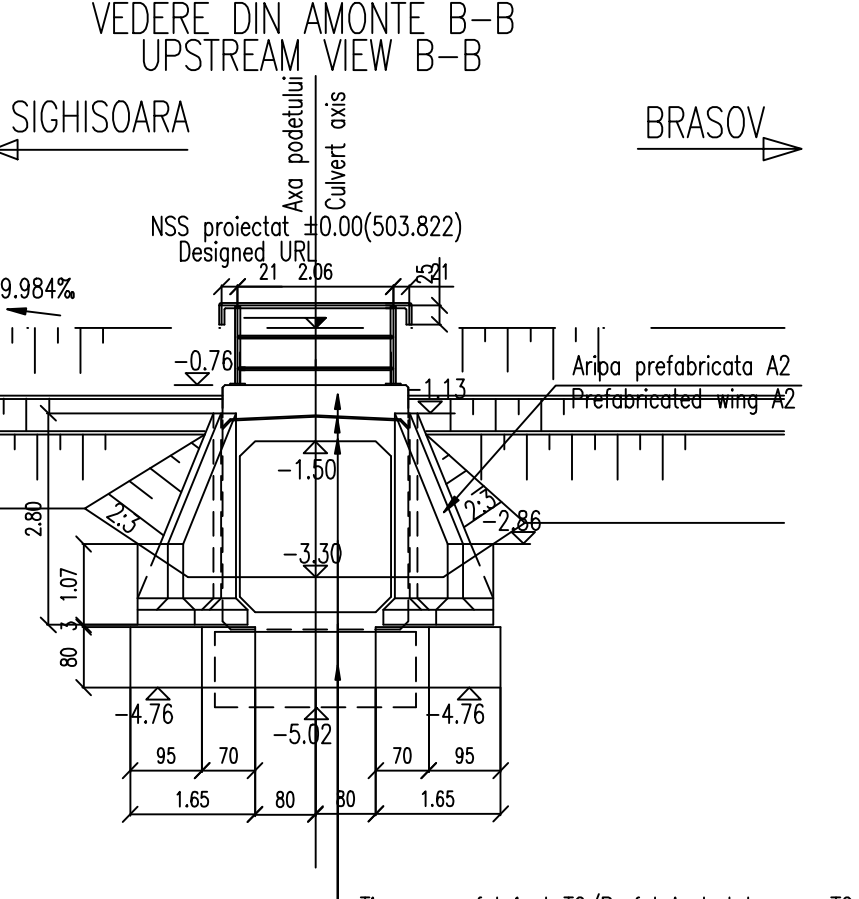
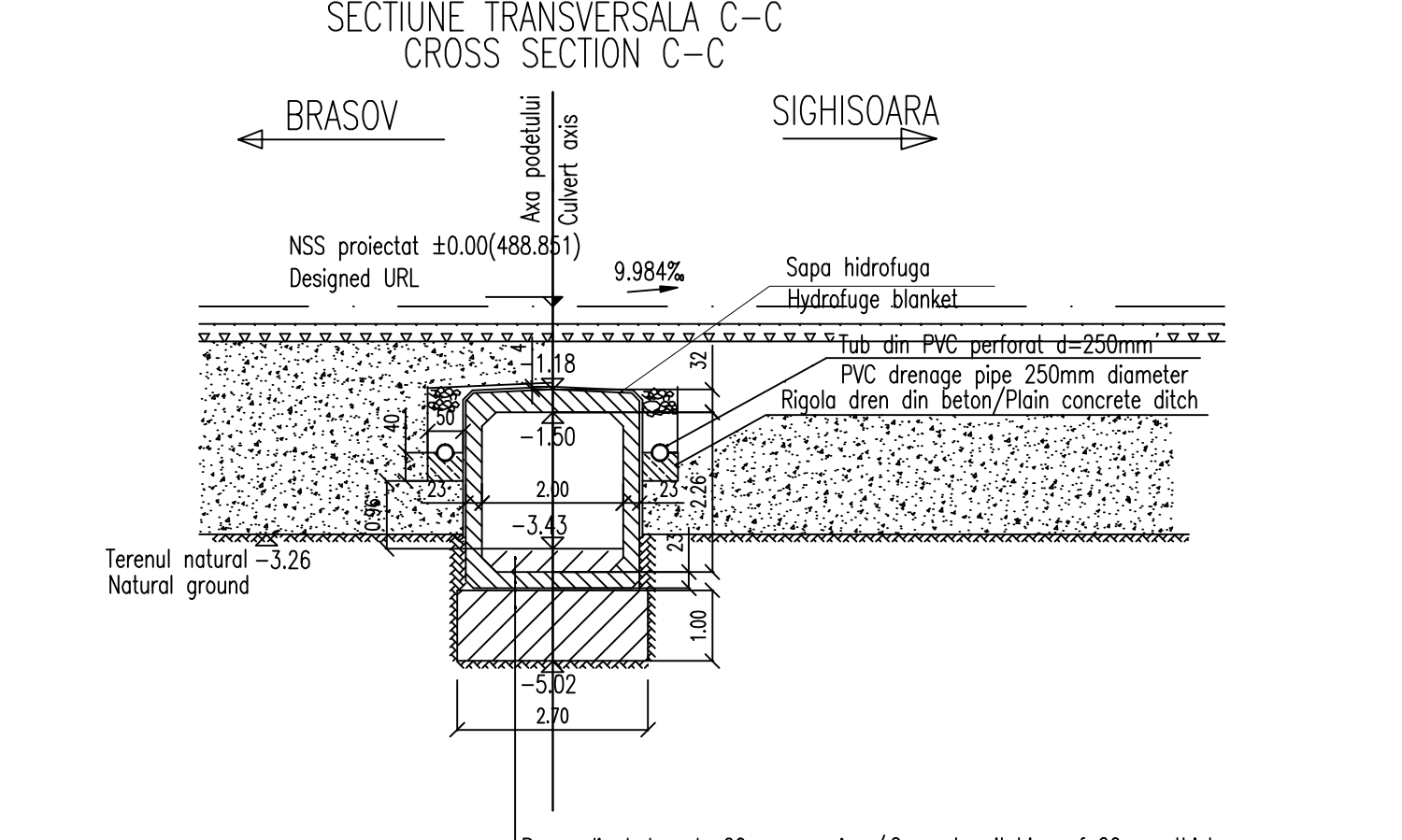


Plan de referinta / Reference plan
496.00

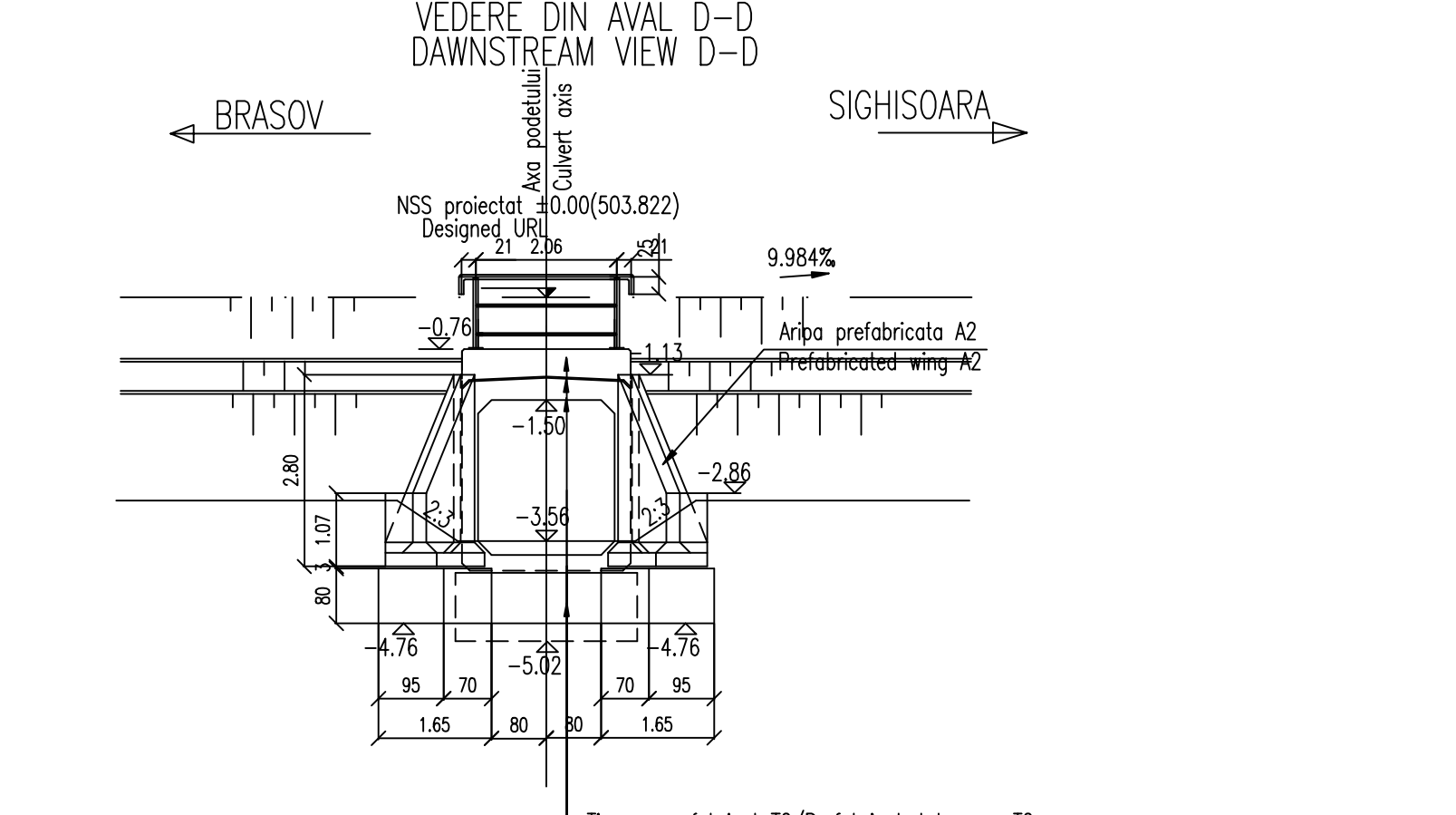
Cota teren / Ground level	501.578	501.572	501.487	501.000	500.883	500.782	500.777	500.559	501.000	501.117	501.139	500.851	500.083	500.000	499.590	499.029
Distanta / Distance	47	1.60	2.82	1.11	1.16	88	3.83	1.59	86	2.48	3.85	63	2.77	3.28	23	



- Timpan prefabricat T2 / Prefabricated tympan T2
- Hydroizolatie / Waterproofing
- Cadru prefabricat C2 / Prefabricated frame C2
- Pereu din beton de 20 cm grosime / Concrete revetment of 20 cm thickness
- Fundatia cadrului C2 / C2 frame foundation



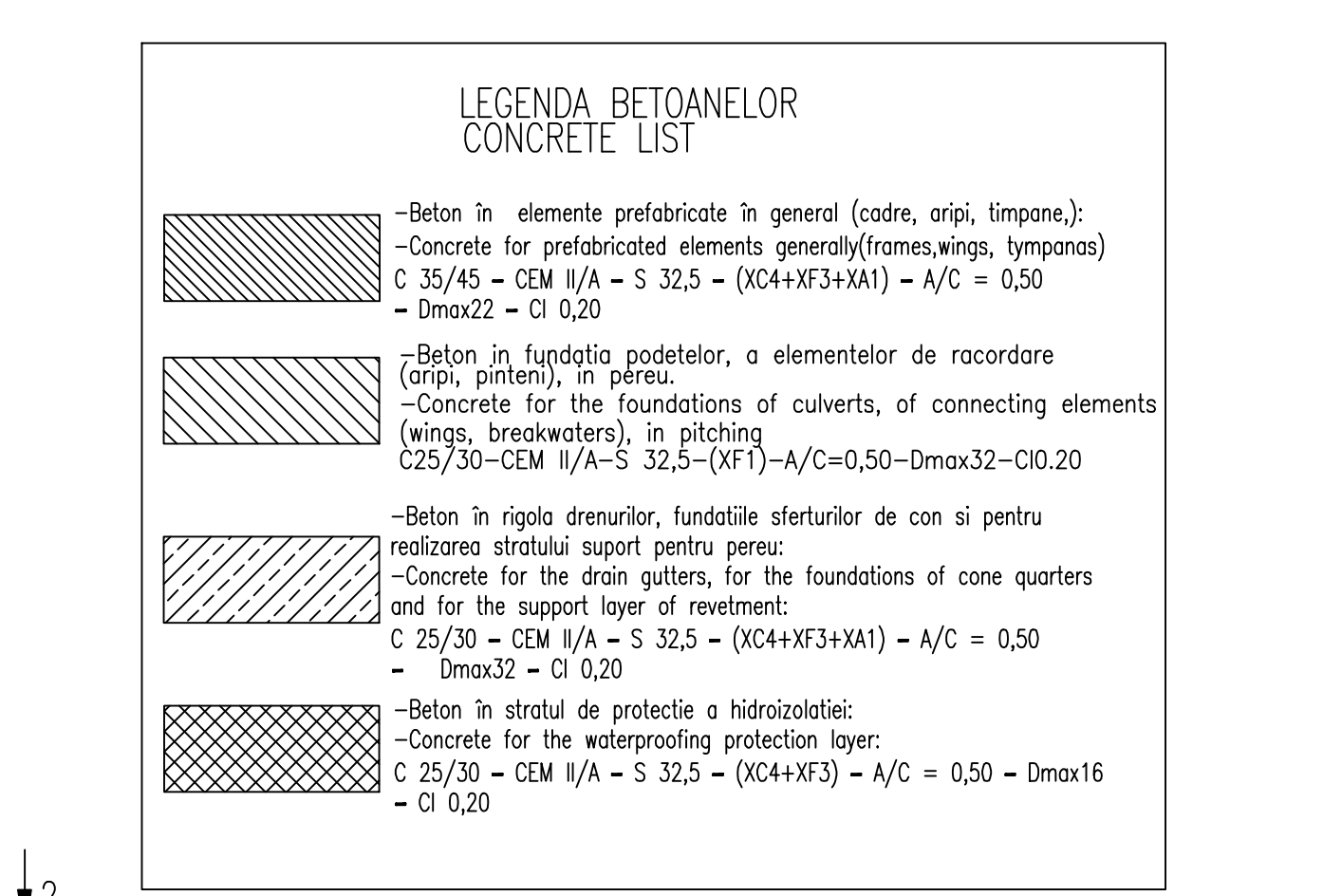
- Pereu din beton de 20 cm grosime / Concrete pitching of 20 cm thickness
- Cadru prefabricat C2 / Prefabricated frame C2
- Mortar de ciment de 3cm grosime: 2cm strat nivelare, 1cm strat pozare.
- Cement mortar of 3cm thickness: 2cm leveling stratus, 1cm layout stratus.
- Fundatia cadrului C2 / C2 frame foundation



- Timpan prefabricat T2 / Prefabricated tympan T2
- Hydroizolatie / Waterproofing
- Cadru prefabricat C2 / Prefabricated frame C2
- Pereu din beton de 20 cm grosime / Concrete revetment of 20 cm thickness
- Fundatia cadrului C2 / C2 frame foundation

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.	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							2.24
Sudura 2% / Welding 2%							
TOTAL							115



NOTA

Numar de elemente prefabricate
-Cadre prefabricate C2: - 8 buc.
-Aripi prefabricate A2: - 4 buc.
-Timpane prefabricate T2: - 2 buc.

DATE HIDRAULICE

-Inaltimea de apa in podet: h=1.13 m
-Perimetrul udat: P=4.26 m
-Aria udata: A=2.26 m²
-Viteza de curgere apa: V=3.33 mc/s

NOTE

Number of precast sections:
-Prefabricated Frames C2: - 8 pcs.
-Wet perimeter: P=4.26 m
-Prefabricated wings A2: - 4 pcs.
-Tympan T2: - 2 pcs.

HYDRAULIC DATA

-Hydraulic height: h=1.13 m
-Wet perimeter: P=4.26 m
-Wet surface: A=2.26 m²
-Water low speed: V=3.33 mc/s

NOTA:

- Prezentul plan s-a înlocuit pe baza următoarelor date:
-plan de situatie
-profil in lung
-profil transversal
-fisa podului
-calcul hidraulic
-date culese pe teren
- Podetul corespunde la convoaiele de calcul UIC (LM71 si SW/2)
- 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.
- Daca la executie se vor constata neconcordanțe între situatia existenta pe teren si cea din proiect se va anunta proiectantului.
- Construcția se încadrează în categoria de importanță B (construcții de importanță deosebită), modelul 1 de asigurare a calitatii si clasa de importanță B, conform HG 766/1997.
- Proiectul va fi verificat la exigentele A4.2; B2.2; D2.2.
- Se atrage în mod deosebit atenția asupra obligativității rezemării elevațiilor 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.

NOTA:

1. This plan has been drawn up based on the following data:
-Layout Plan
-Longitudinal Profile
-Cross-section Profile
-Bridges 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.

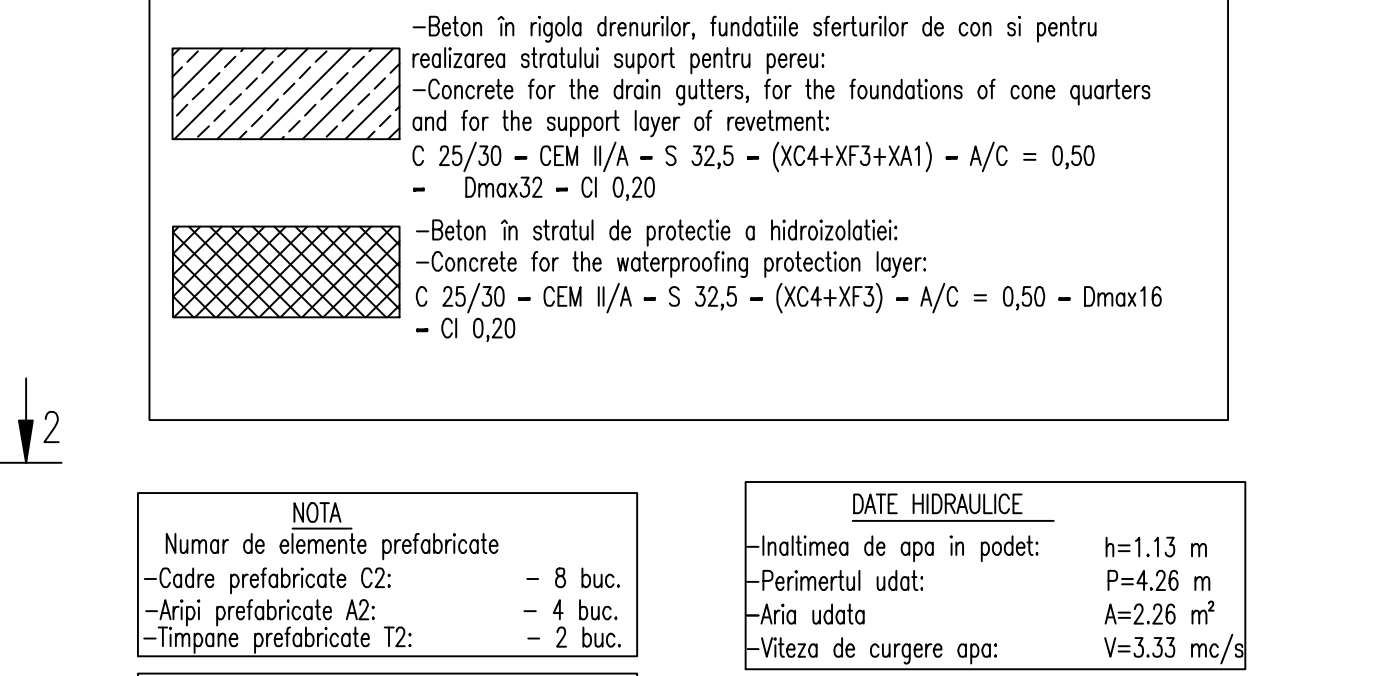
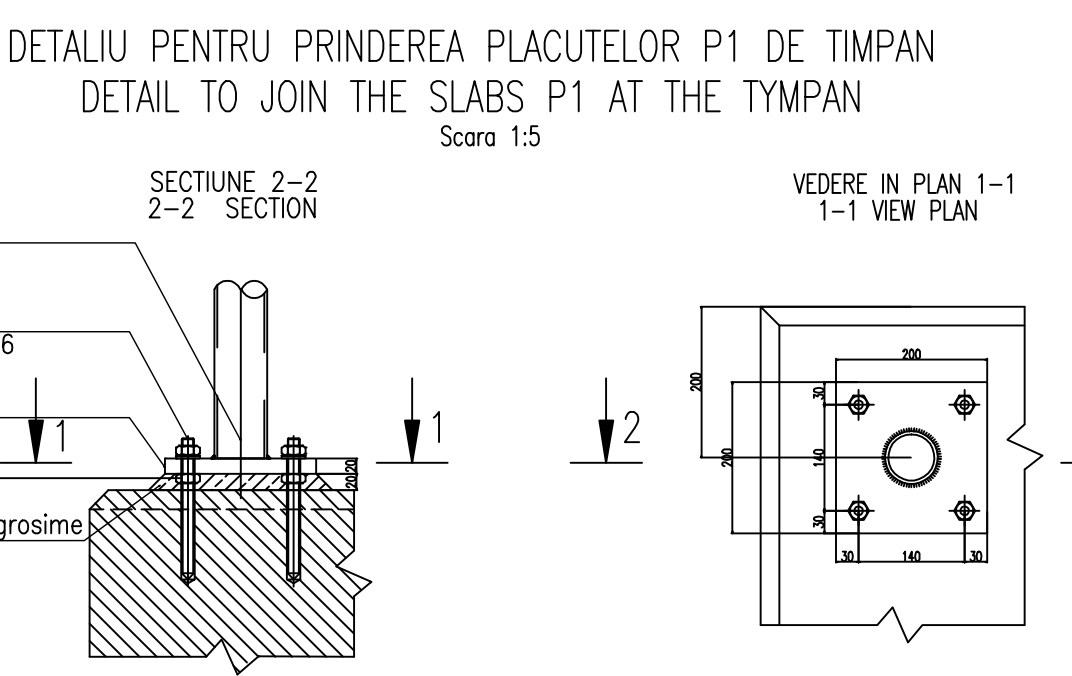
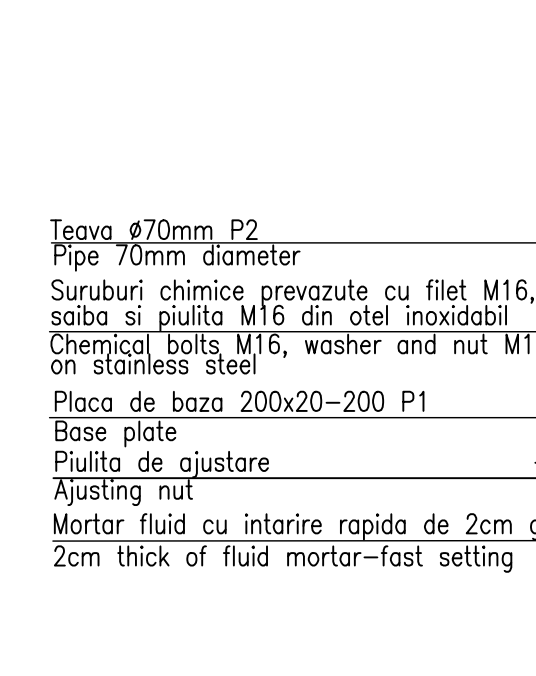
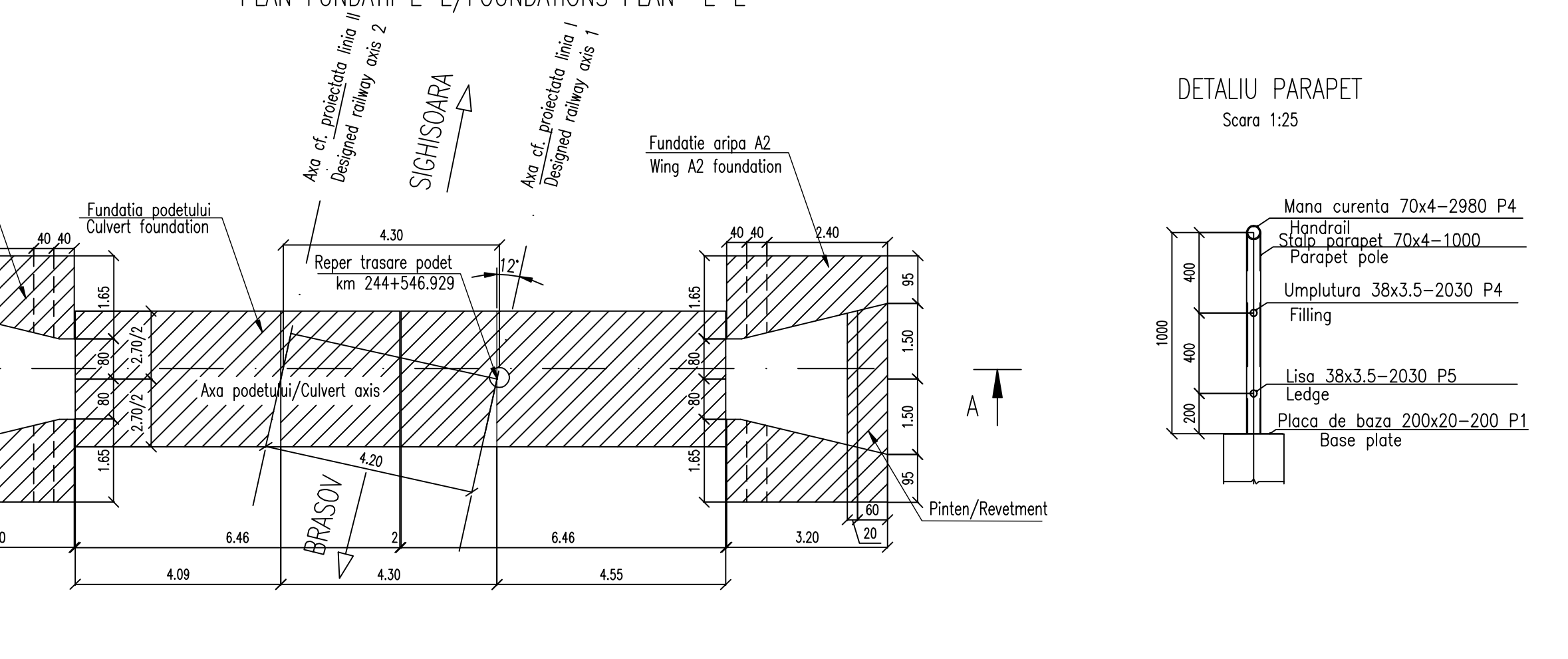
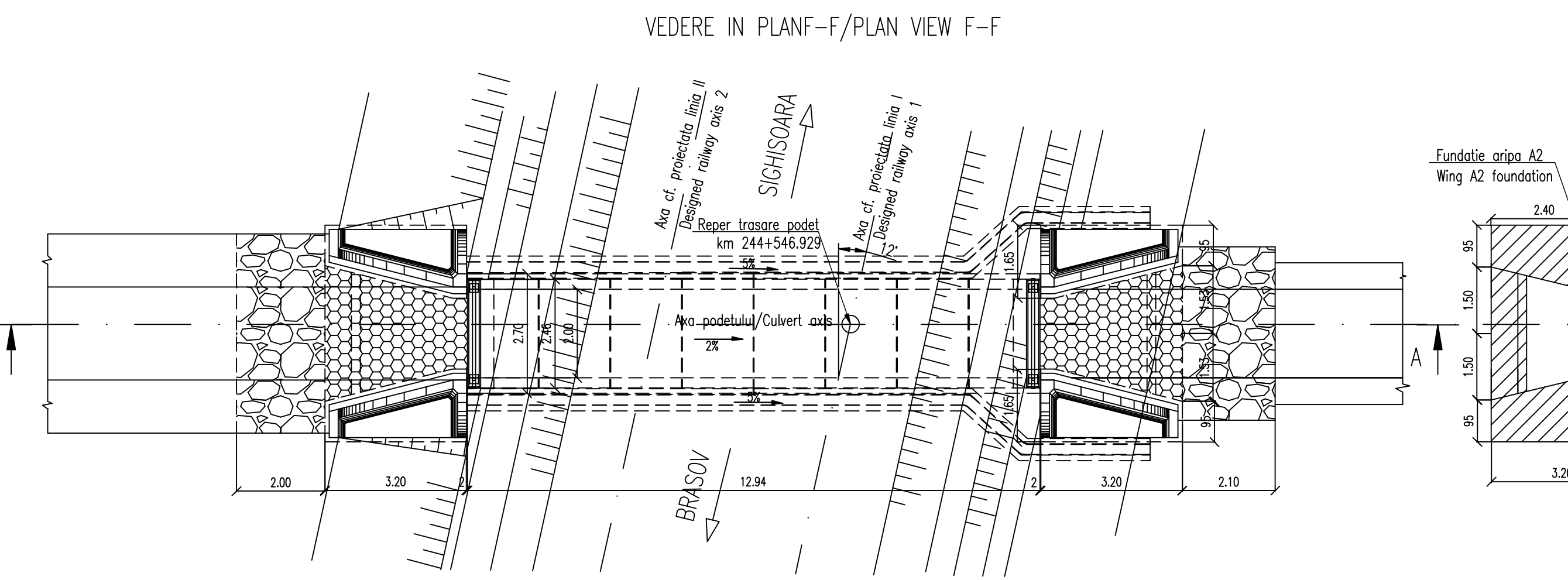
4. If during the execution, discrepancies are found between the existing situation on site and the situation stated in the project, the designer will be notified.

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.

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D	C	B	A	12.2011	Revizie 1	Sabo Adrian	Proiectant / Designer	Probat / Approved	Probat / Approved	Probat / Approved
Indice / Index	Data / Date	Modificari / Modifications / Revisions	Proiectant / Designer	Probat / Approved	Probat / Approved	Probat / Approved				

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 GRUPPO FERROVIE DELLO STATO
Scott Wilson
OBERMEYER PLANEN + BERATEN GmbH
TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

Approbat / Approved	Sef proiect / Project manager	R. Liuzza	Data / Date	Semnatura / Signature
Approbat / Approved	Coordonator Sectiune 1 / Section 1 Coordinator	C. Gambelli		
Verificat / Checked	Expert Cheie / Key Expert	V. Kallidromitis		

SUBCONTRACTANT / SUBCONTRACTOR

Approbat / Approved	Responsabil Subcontractant / Subcontractant Responsible	A. Dinulescu Stanciu	Data / Date	Semnatura / Signature
Intocmit / Elaborated	Proiectant / Designer	Sabo Adrian	11.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația 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

Proiect / Project
2004/RO/16/PPA/003

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

Denumire desen / Drawing Title :

INTERVAL/SECTION CATA-ARCHITA / PODET km 244+546.929 / DISPOZITIE GENERALA / CULVERT km 244+546.929 / GENERAL LAYOUT

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 7 4 1 0 0 2 1			