

**DATE HIDRAULICE:**  
 -Inaltimea de apa: h=1,23m  
 -Perimetrul udat: P=4,46m  
 -Aria udata: A=2,46m<sup>2</sup>  
 -Viteza de curgere a apei V=3,47m/s

**HIDRAULIC DATA:**  
 -Hydraulic height: h=1,23m  
 -Perimeter: P=4,46m  
 -surface: A=2,46m<sup>2</sup>  
 -Water flow speed: V=3,47m/s

**NOTA**  
 Numar de elemente prefabricate  
 -Cadre C2 : 21buc  
 -Aripi prefabricate A2: 4buc  
 -Timpane prefabricate T2: 2buc

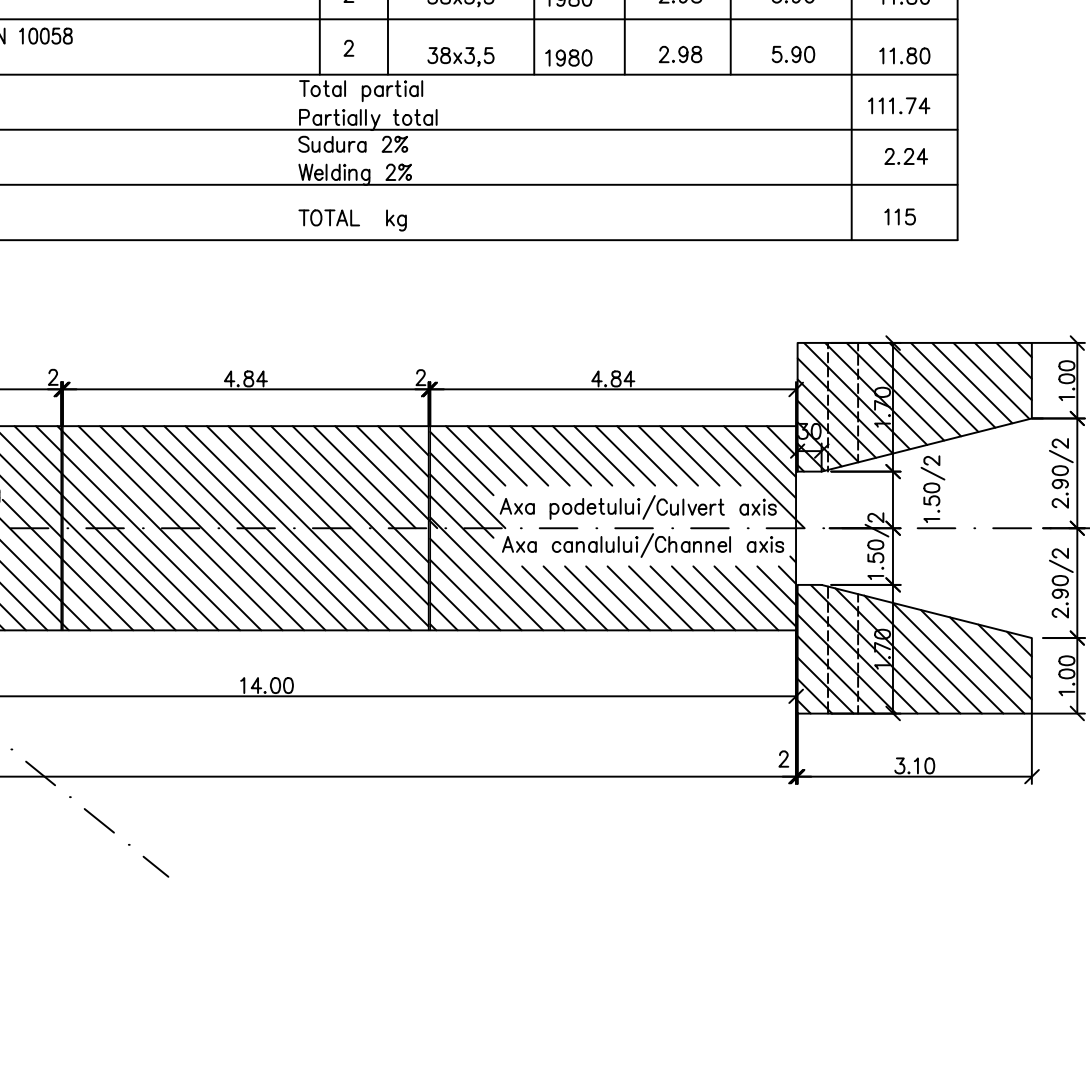
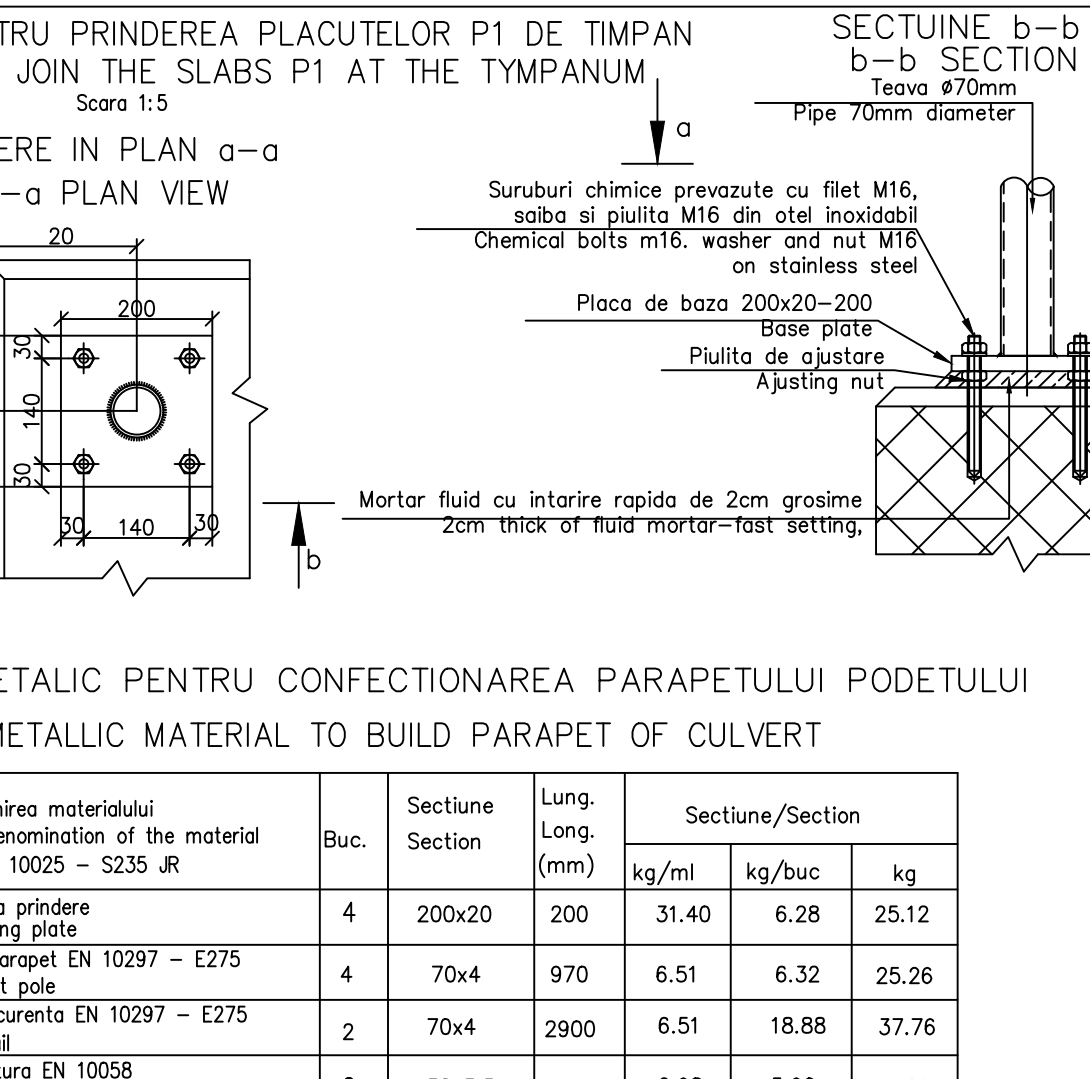
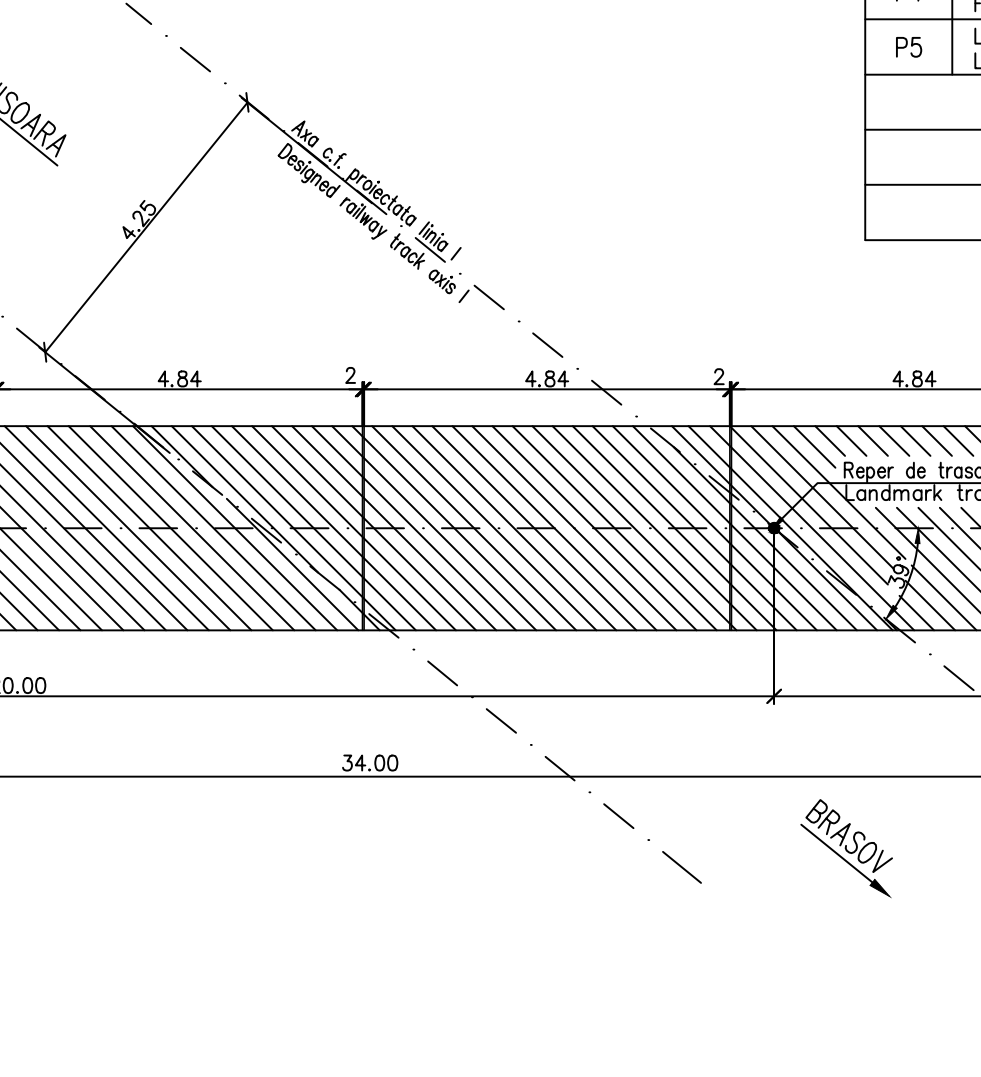
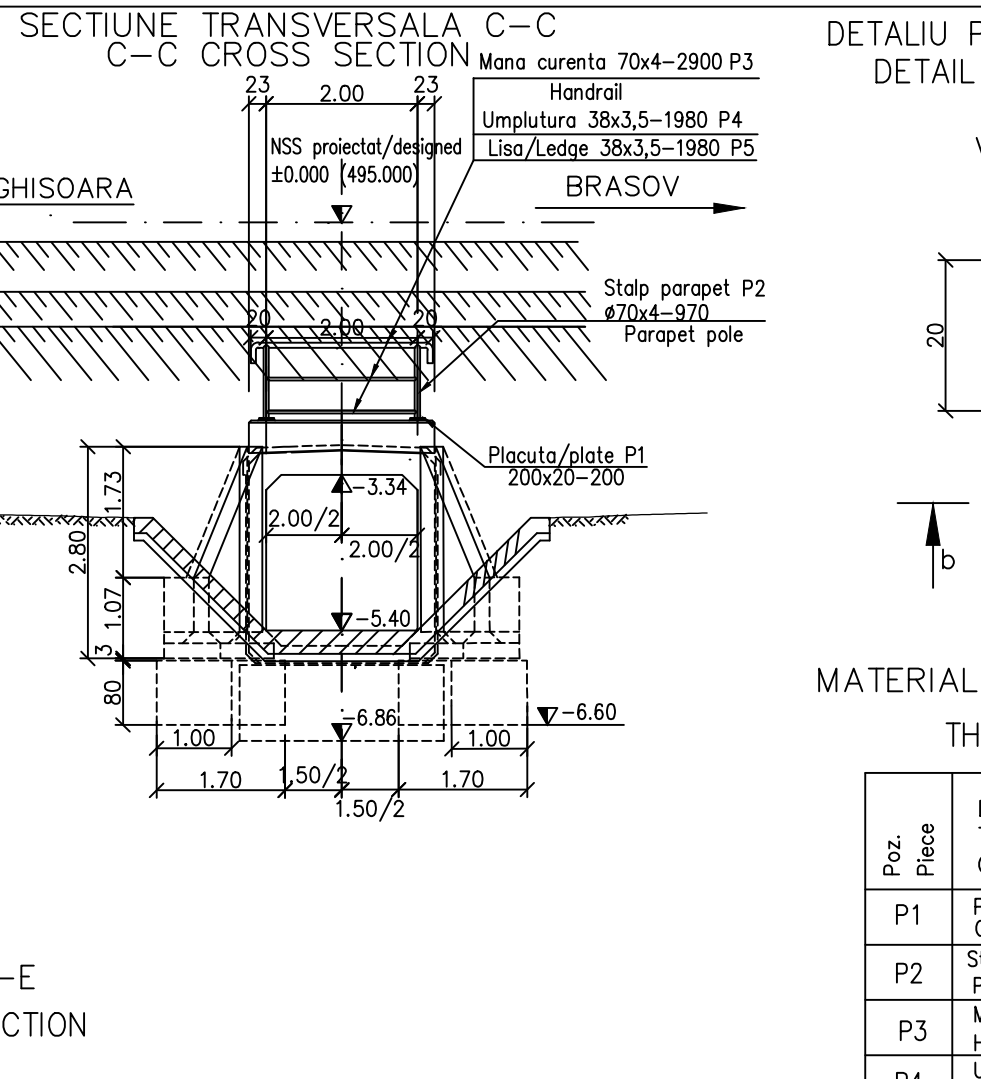
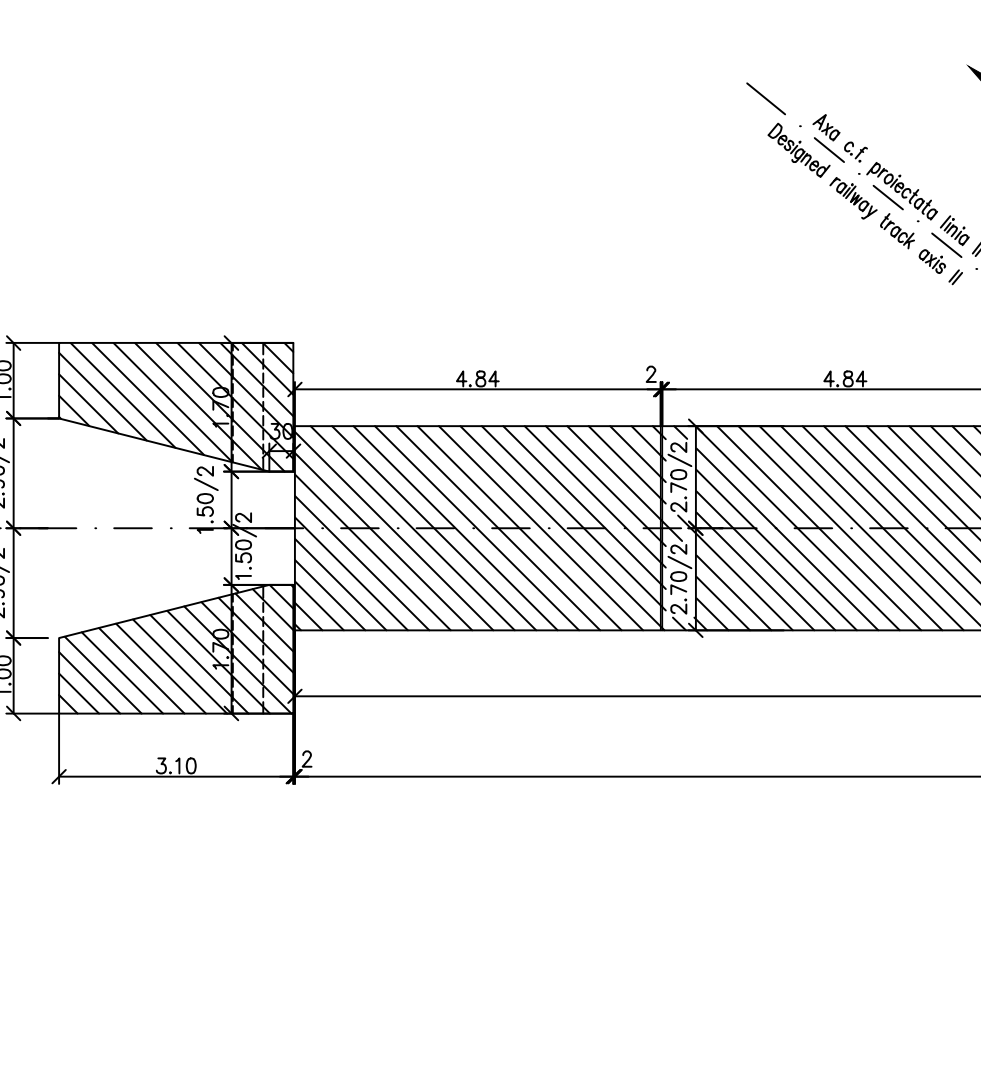
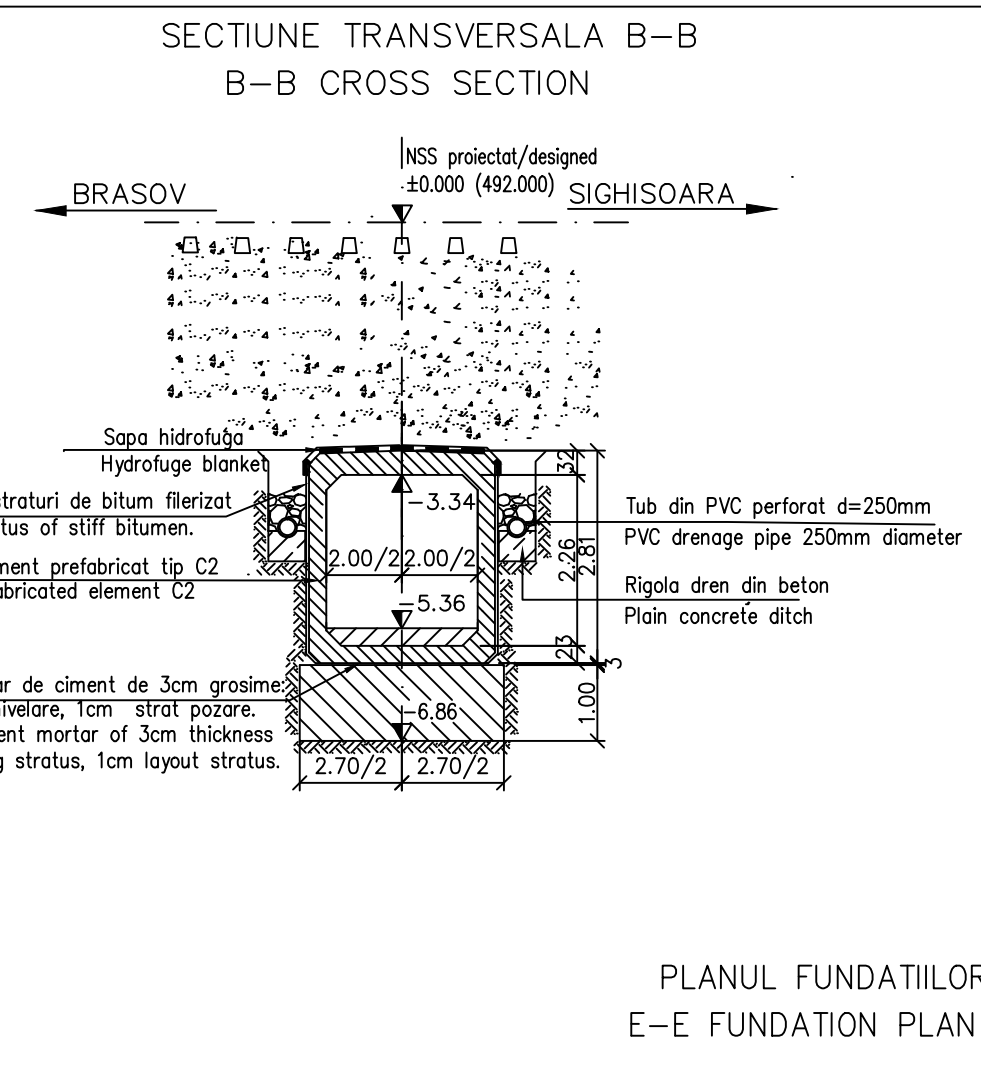
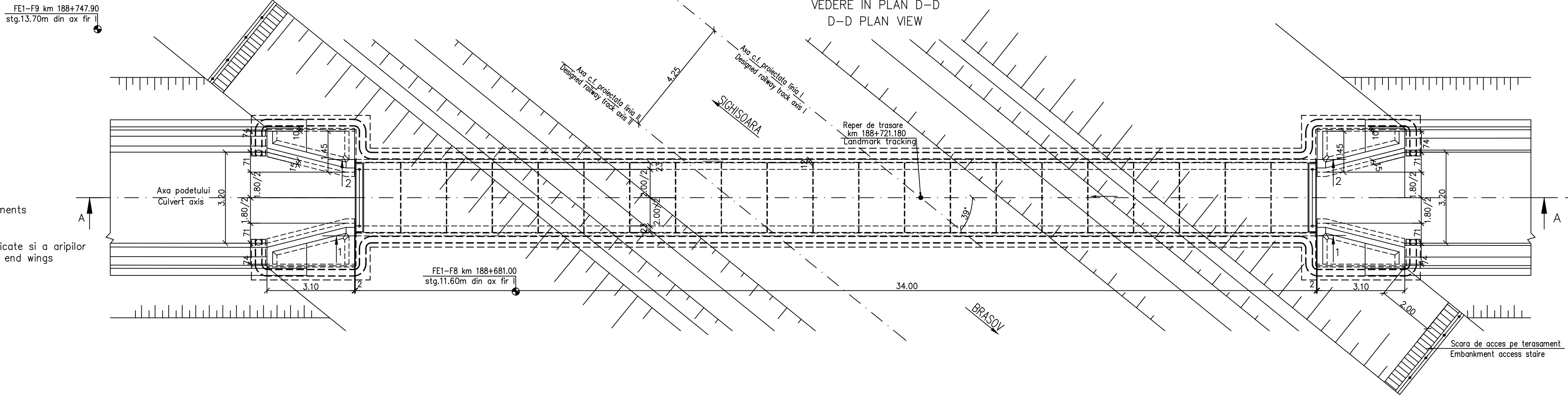
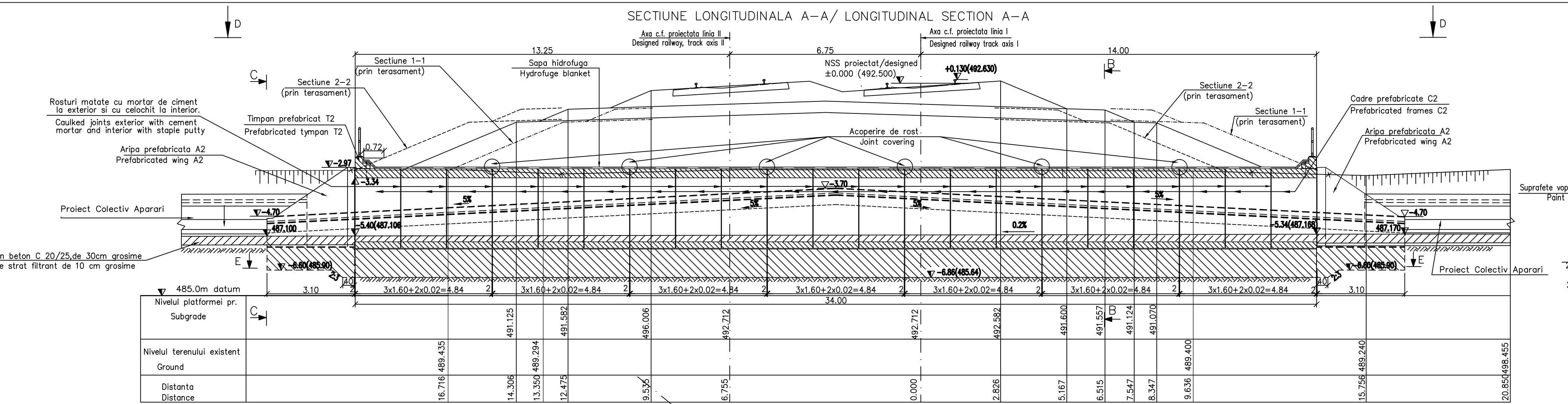
**NOTE**  
 Number of precast section  
 -Prefabricated frames C2: 21pcs.  
 -Prefabricated wings A2: 4pcs.  
 -Prefabricated tympan T2: 2pcs.

**LEGENDA BETOANELOR CONCRETE LIST**

Beton armat in elementele prefabricate  
 Reinforced concrete in the prefabricated elements  
 C35/40-CEM II/A-S32,5-(XC4+XF3+XA1)  
 -A/C=0,50-Dmax 22-CI 0,20

Beton simplu in fundatia elementelor prefabricate si a aripilor  
 Plain concrete in the prefabricated elements end wings  
 C25/30-CEM II/A-S32,5-(XF1)  
 -A/C=0,50-Dmax 32-CI 0,20

Beton monolit, in pereu  
 Concrete cast in the pitching  
 C25/30-CEM II/A-S32,5-(XC4+XF3+XA1)  
 -A/C=0,50-Dmax 32-CI 0,20



**NOTA:**

- Prezentul plan s-a întocmit pe baza următoarelor date:  
 -plan de situatie  
 -profil in lung  
 -profil transversal  
 -fisa podului  
 -calcul hidraulic  
 -date culesse 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 receptiunea 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 ordona 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 rezervării elevatiilor prefabricate pe blocul de fundatie prin intermediul unui strat de mortar de ciment pentru a se realiza un contact perfect pe toata suprafata inter tapta prefabricatiului si fundatie. Se interzice rezemarea directa fara strat de mortar de ciment.

**NOTE:**

- This plan has been drawn up based on the following data:  
 -Lay-out Plan  
 -Longitudinal Profile  
 -Cross-section Profile  
 -Bridges's File  
 -Hydraulic determination  
 -Field Data
- The culvert corresponds to the UIC determination convoys (LM71 and SW/2).
- 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.
- 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.
- 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.
- The project will be checked in order to comply with the A4.2; B2.2; D2.2 requirements.
- 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	11.2011	Revizia 1	Teh.E. Radu	Proiectant Designer	Proiectant Designer
Indice Index	Data Date	Modificari/Revision Modification/Revision	Proiectant Designer	Proiectant Designer	Proiectant Designer

**SUVERUL ROMANIEI / ROMANIAN GOVERNMENT**

**PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ / EUROPEAN UNION FINANCED PROJECT**

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

**CLIENT / CLIENT**

**ITALFER** GRUPPO FERROVIE DELLO STATO Joint Venture leader

**Scott Wilson**

**OBERMEYER PLANEN + BERATEN GmbH**

**TECNIC Consulting Engineers**

**CONSULTANT / CONSULTANT**

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

**SUBCONTRACTANT / SUBCONTRACTOR**

Aprobat / Approved	Responsabil Subcontractant / Subcontractant Responsible	A. Dinulescu Stanciu	05.2011	
Elaborat / Elaborated	Proiectant / Designer	Elena Radu	05.2011	

Reabilitarea liniei de cale ferata / Rehabilitation of the railway line

IV Pan European, pentru circulația trenurilor cu viteza maximă de 160 km/h, / for the trains circulation with maximum speed of 160 km/h,

**Tronsonul : Brașov - Sighisoara**

Section : Brașov - Sighisoara

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

Denumire desen / Drawing Title :

**INTERVAL BOD - FELDIOARA / SECTION BOD - FELDIOARA**

**PODET - KM 188+721.180 / KM 188+721.180 - CULVERT**

**DISPOZITIE GENERALA / GENERAL DISPOSITION**

Codificare / Codification System

Scara / Scale: 1:100; 1:5

LOT / LOT

Nr. / No: 01 / 01

E A 5 1 0 1 C 0 6 P A P O 0 1 3 1 0 0 2 1