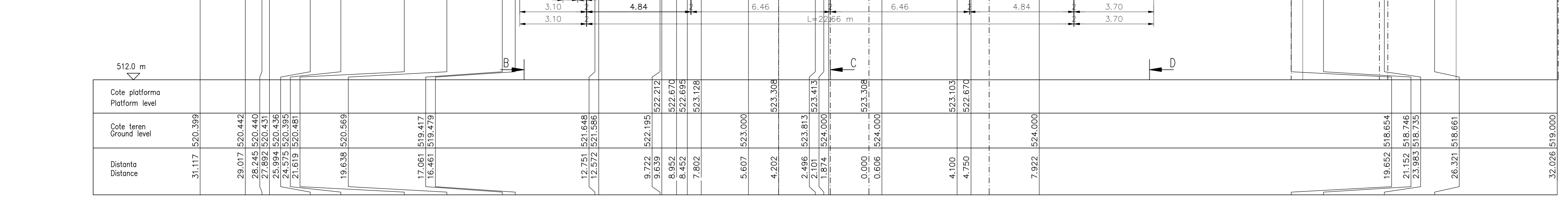


DATE HIDRAULICE	
-Inaltimea de apa in pod:	h=0.96m
-Perimetrul udut:	P=4.92m
-Aria uduta=	A=2.88m ²
-Viteza de curgere apa=	V=3.06m/s

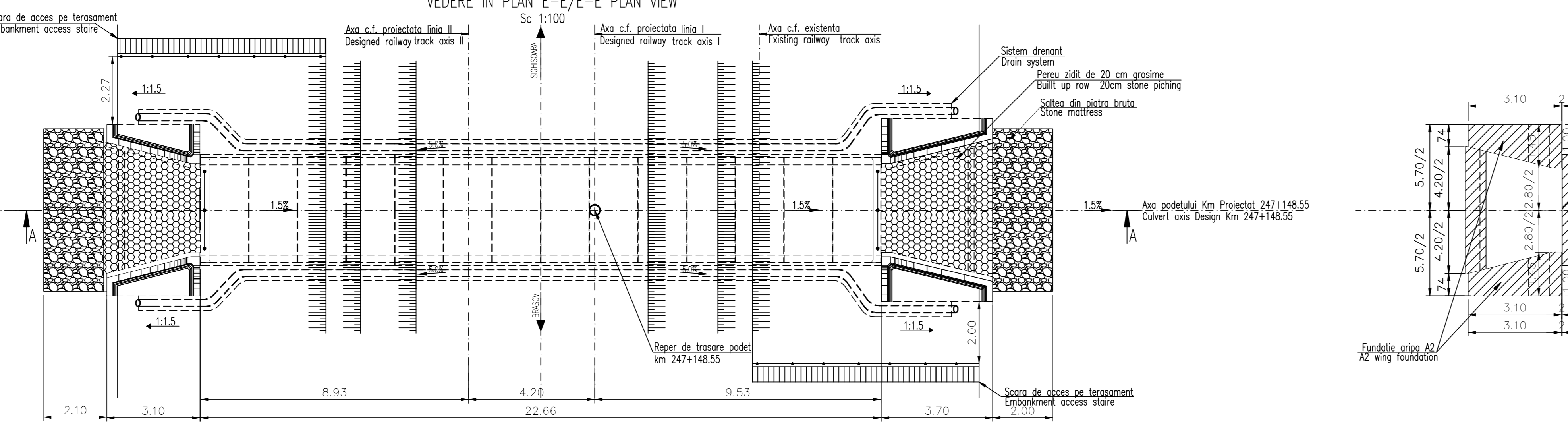
HYDRAULIC DATA	
-Hydraulic height:	h=0.96m
-Perimeter:	P=4.92m
-Surface=	2.88m ²
-Water flow speed=	V=3.06m/s

NOTA	
Numar de elemente prefabricate	
-Cadre prefabricate C3	14buc
-Aripi prefabricate A2	2buc.
-Aripi prefabricate A3	2buc.
-Timpane prefabricate T3	2buc

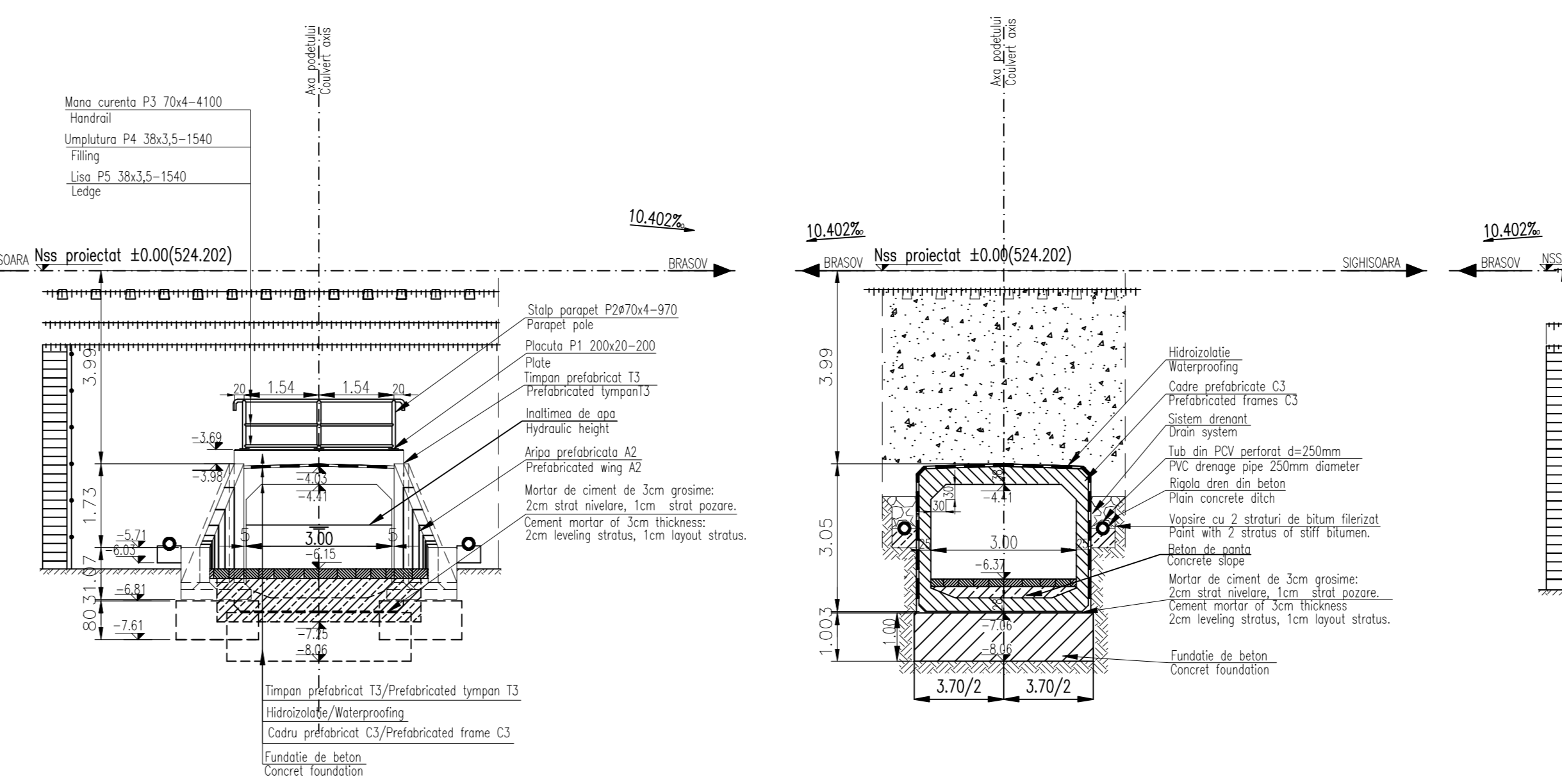
NOTE	
Number of prefabricated sections	
-Prefabricated frames C3	14pcs.
-Prefabricated wings A2	2pcs.
-Prefabricated wings A3	2pcs.
-Head-wall T3	2pcs.



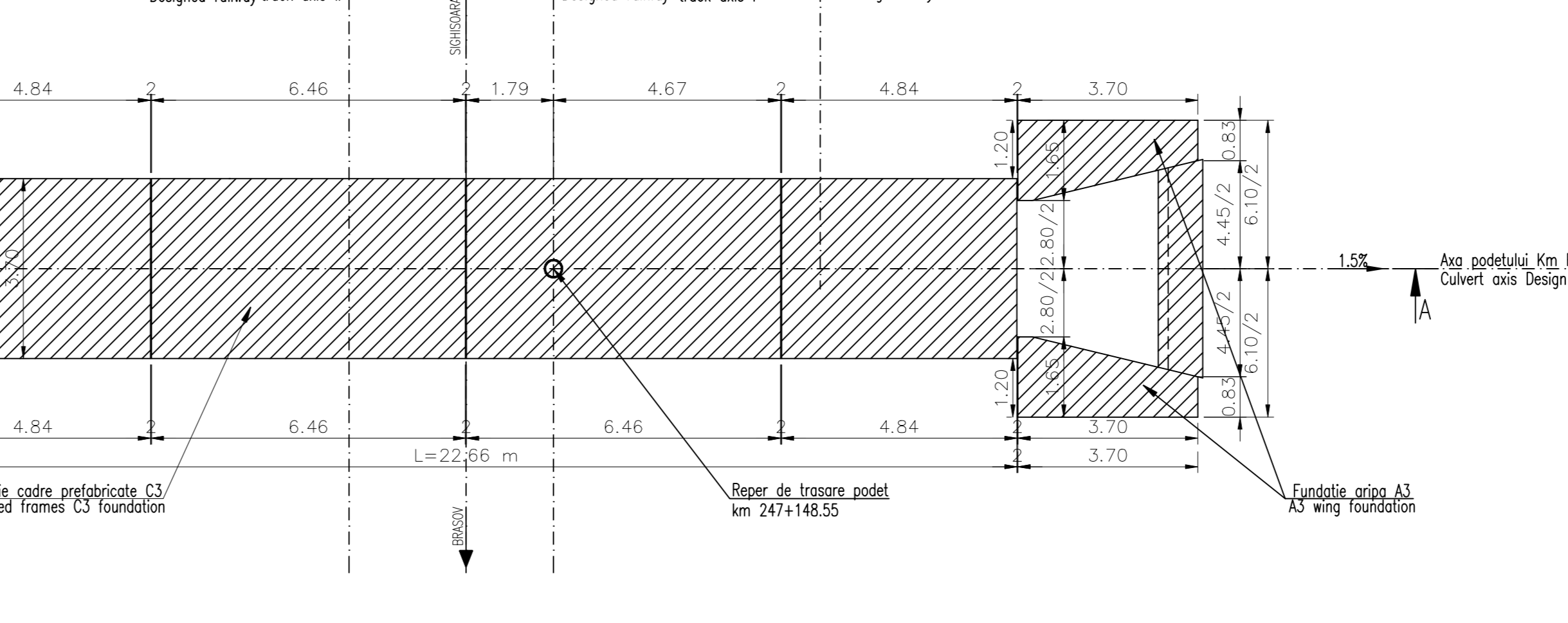
LEGENDA BETOANELOR CONCRETE LIST	
	Beton armat in elementele prefabricate Reinforced concrete in the prefabricated elements C35/45-CEM II/A-S 32,5-(XC4+XF3+XA1)-A/C=0,50-Dmax22-CI 0,20
	Beton simplu in fundatia elementelor prefabricate in fundatia aripilor si in fundatia pitului Plain concrete in the prefabricated elements wing foundation and pit foundation C25/30-CEM II/A-S 32,5(XF1)-A/C=0,50-Dmax32-CI 0,20
	Beton simplu de panta si in pinton Plain concrete for slope and in the corbel C 25/30-CEM II/A-S 32,5-(XF3)-A/C=0,55-Dmax16-CI 0,20



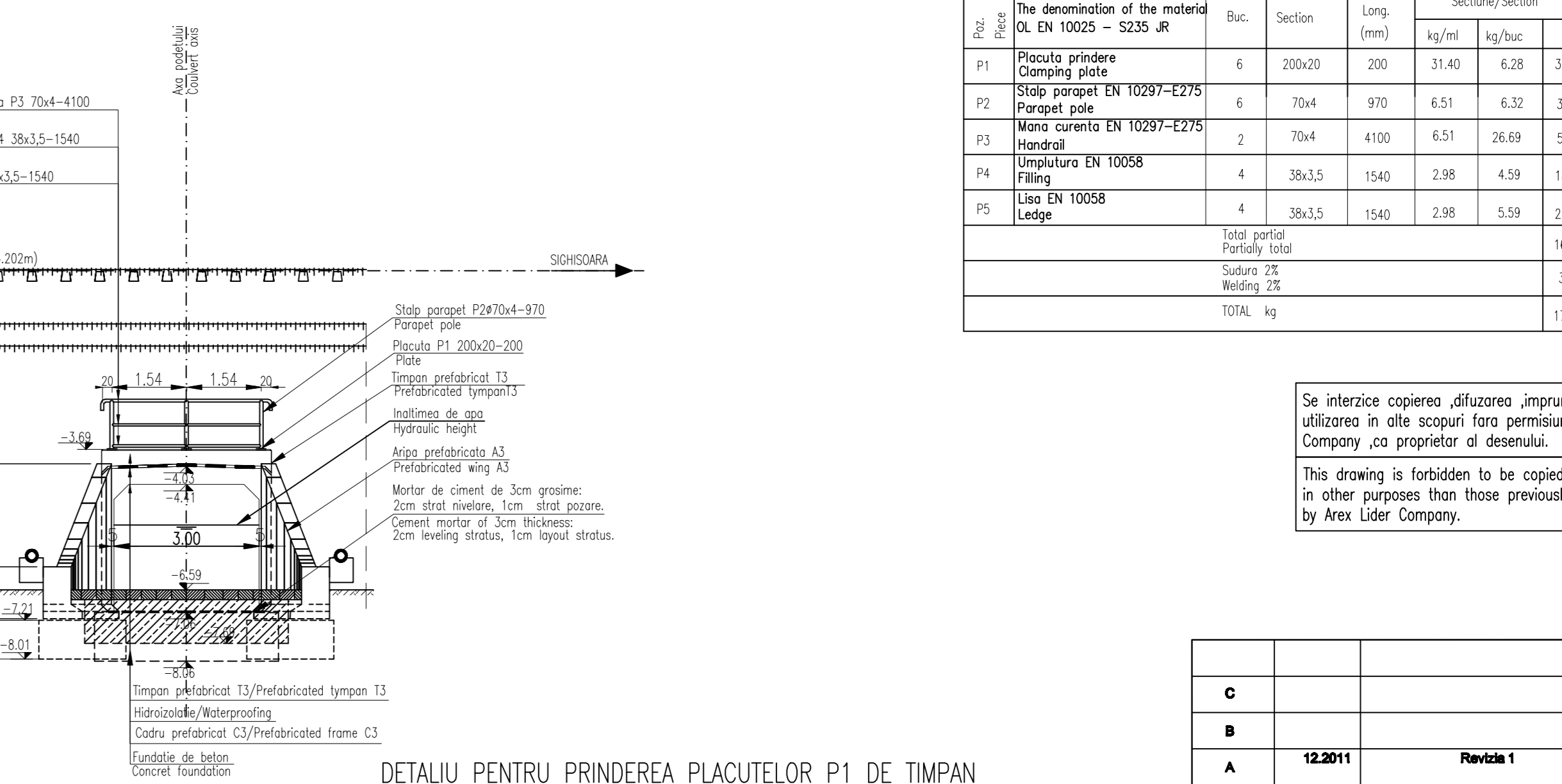
VEDERE DIN AMONTE B-B
B-B UPSTREAM VIEW
Sc 1:100



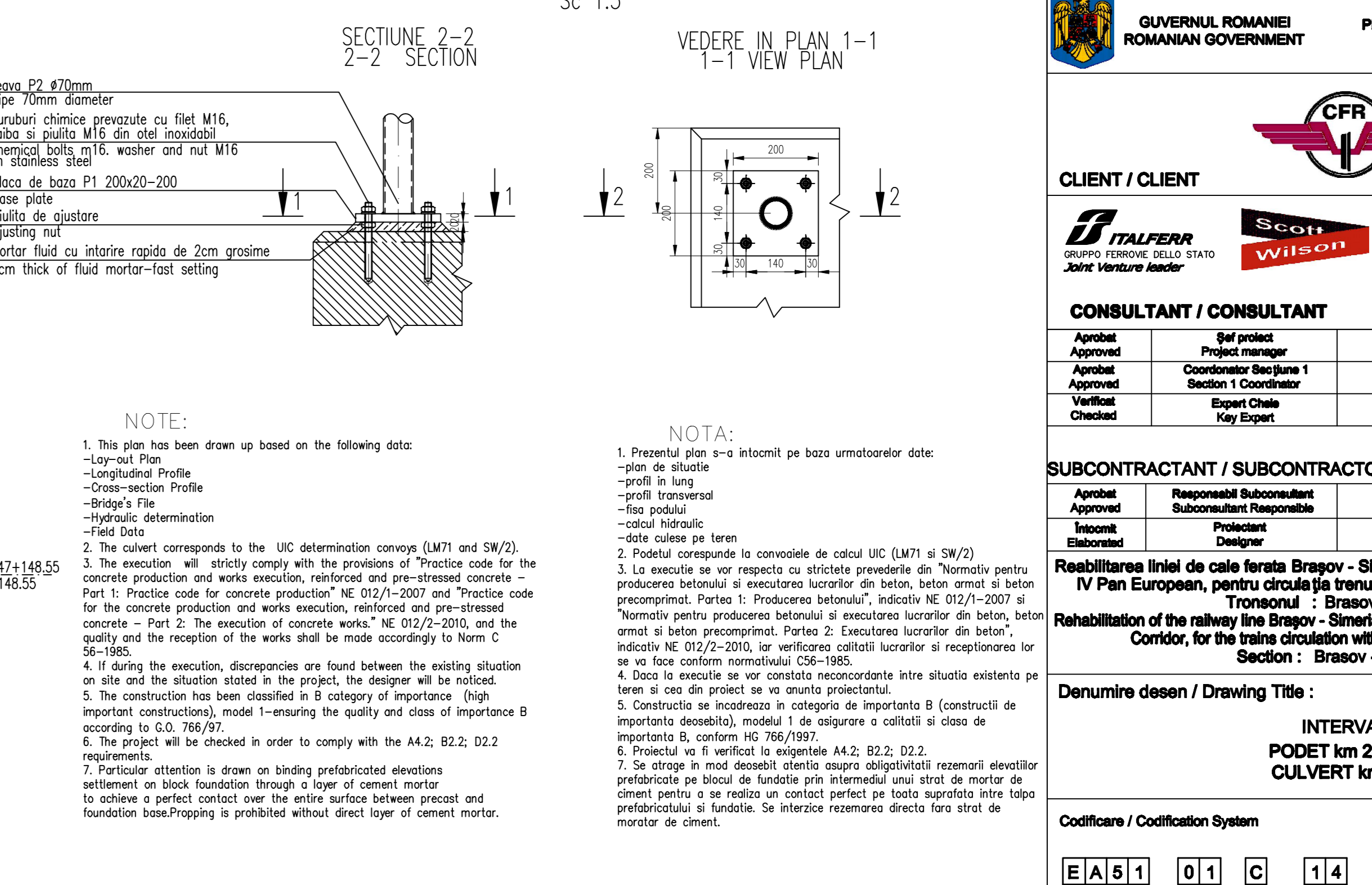
PLAN FUNDATII F-F/F-F FOUNDATIONS PLAN
Sc 1:100



SECTIUNE TRANSVERSALA C-C
C-C CROSS SECTION
Sc 1:100



VEDERE DIN AVAL D-D
D-D DOWNSTREAM VIEW
Sc 1:100



NOTE:

- 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
- The culvert corresponds to the UIC determination conveyors (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 96-1985.
- 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 importance constructions), model 1-ensuring the quality and class of importance B according to G.O. 786/97.
- 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.

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

Poz. / Piece	Denumirea materialului / The denomination of the material	Buc.	Sectione / Section	Lung. / Long. (mm)	Sectione / Section	
					kg/ml	kg/buc
P1	Placuta prindere / Comping plate	6	200x20	200	31.40	6.28
P2	Staii parapet EN 10297-E275 / Parapet plate	6	70x4	970	6.51	6.32
P3	Mana curenta EN 10297-E275 / Handrail	2	70x4	4100	6.51	26.69
P4	Umplutura EN 10058 / Filling	4	38x1.5	1540	2.88	4.59
P5	Liso EN 10058 / Ledge	4	38x1.5	1540	2.88	5.59
Total partial / Parțial total						169.7
Sudura 2% / Welding 2%						3.39
TOTAL						173.09

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Index / Index	Date / Date	Modificari / Modification	Proiectant / Designer	Proiectant / Designer	Proiectant / Designer
C					
B					
A	12.2011	Revizua 1	Secu Razvan		

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

CLIENT / CLIENT

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

CONSULTANT / CONSULTANT

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott
Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

Approbat / Approved	Responsabil / Responsible	Data / Date	Semnatura / Signature
Approbat / Approved	Proiect manager / Project manager		
Approbat / Approved	Coordonator Sectiune 1 / Section 1 Coordinator		
Verificat / Checked	Expert Cheie / Key Expert		

SUBCONTRACTANT / SUBCONTRACTOR

AREX

Approbat / Approved

Responsabil / Responsible

A. Dinulescu Stancu

10.2011

Proiectant / Designer

Secu Razvan

10.2011

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima de 160 km/h, Tronsonul : 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/P/PA/003

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

Denumire desen / Drawing Title :		Interval / SECTION CATA - ARCHITA	
PODET km 247+148.55 - DISPOZITIE GENERALA		CULVERT km 247+148.55 - GENERAL LAYOUT	
Codificare / Codification System		Scara / Scale	LOT / LOT
E A 5 1		0 1	C 1 4
P A		P 0	0 5
8		1	0 0 2
1			1