

Sondaj 3Pd+3" dr. 8.00m  
NSSpr.±0.00(475.14)

-3.22  
Umplutura din praf nisipos, cafeniu-negricesc, uscat, sfaramicios, în amestec cu piatra sparta  
Powder filling sand, dark brown, dry, brittle, mixed with crushed stone

-4.62  
Praf nisipos-argilos, cafeniu, puțin umed, plastic variat  
Praf nisipos-argilos, cafeniu, puțin umed, plastic variat

-5.42  
Nisip fin, cafeniu-gălbui, umed, cu îndesare mijocie  
-de la -2.90m saturat cu îndesare mijocie  
-de la -3.40m nu se mai poate avansa  
Sand, brown-yellow, moist, with tamping medium  
2.90m-the middle saturated with tamping  
-from-3.40m can not move

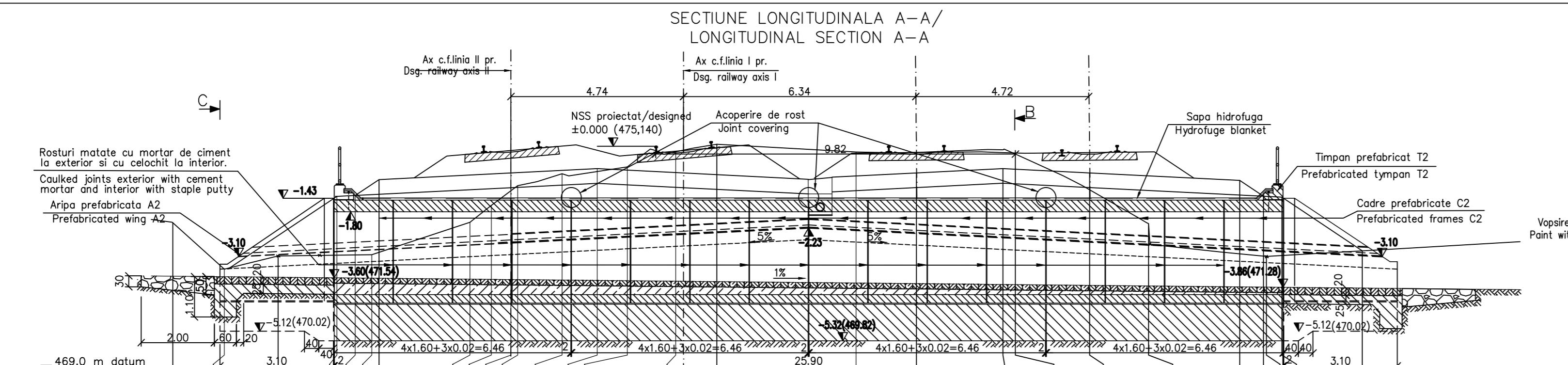
**NOTA**  
Numar de elemente prefabricate  
-Cadre C2 : 16buc  
-Aripi prefabricate A2. 4buc  
-Timpane prefabricate 2buc

**NOTE**  
Number of precast section  
-Prefabricated frames C2 16pcs  
-Prefabricated wings A2 4pcs  
-Head-wall 2pcs.

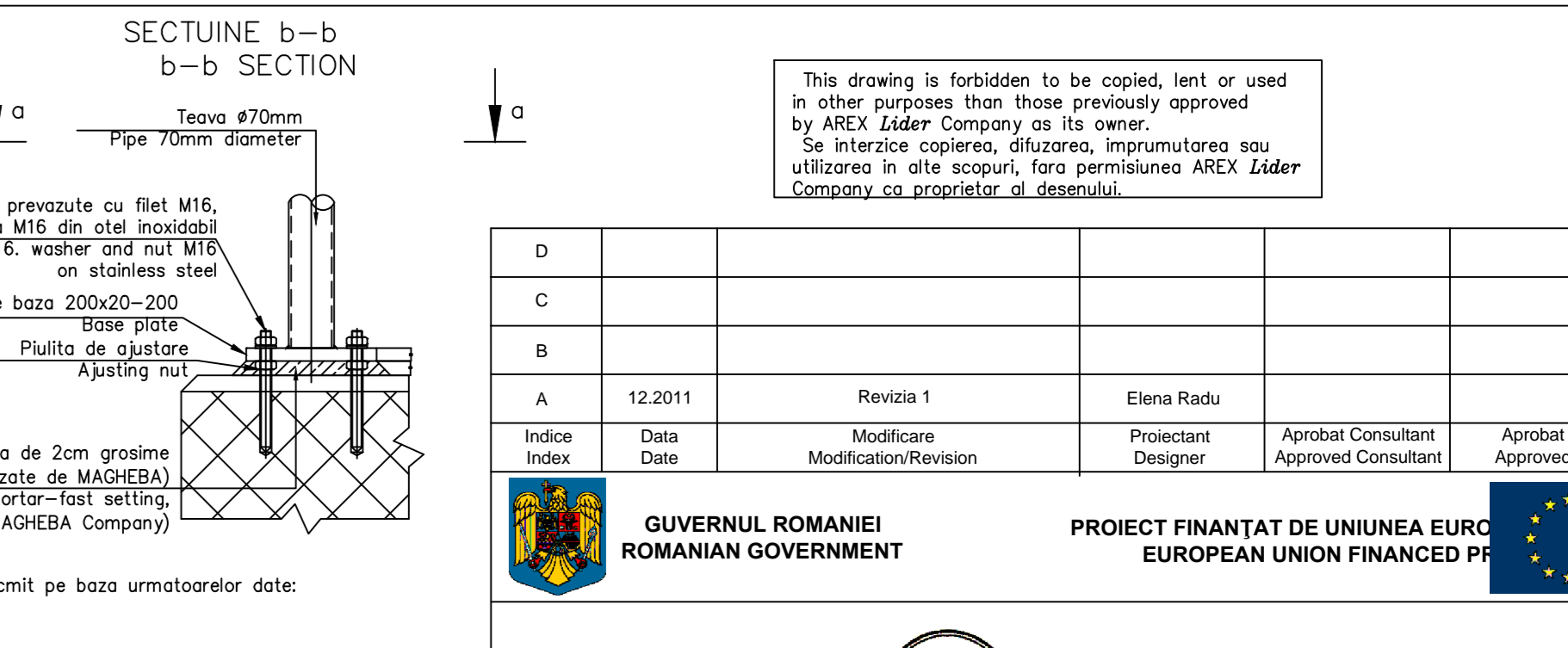
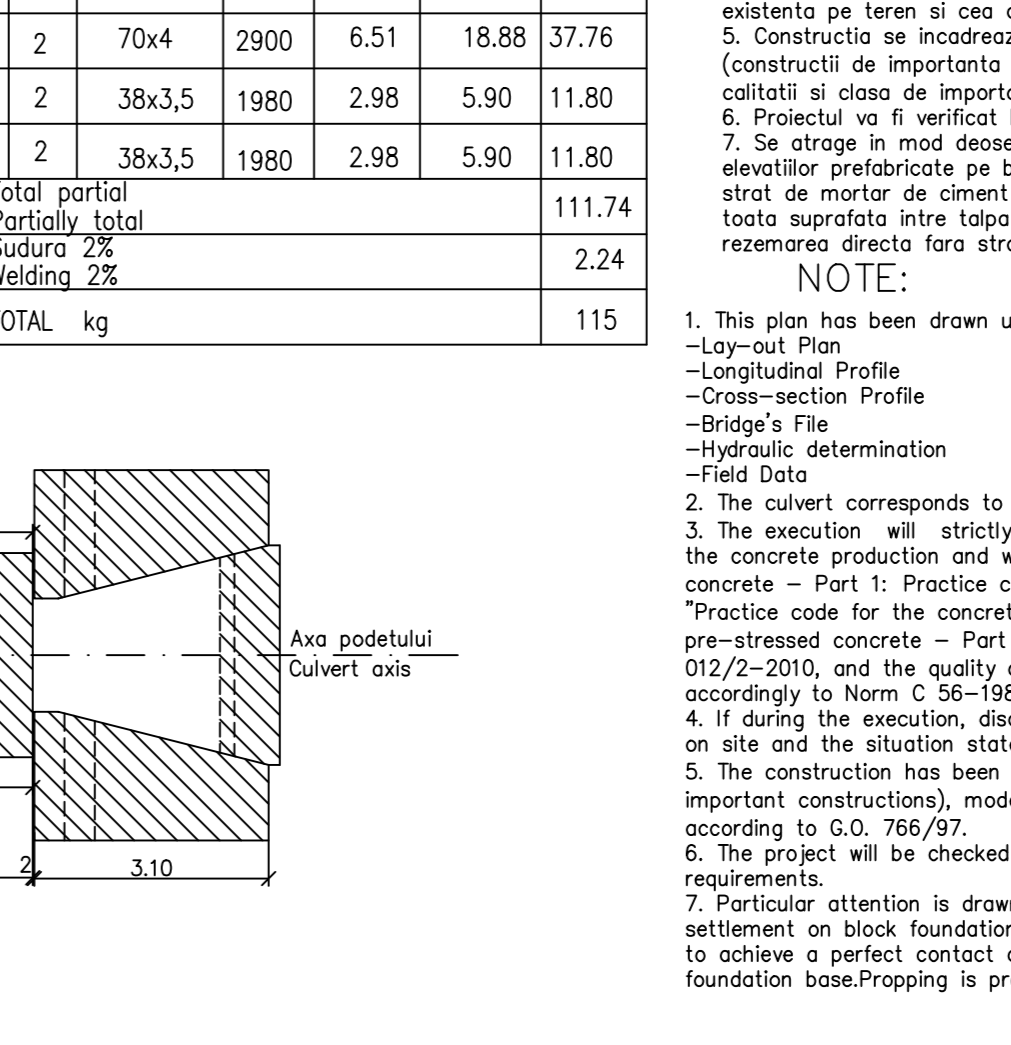
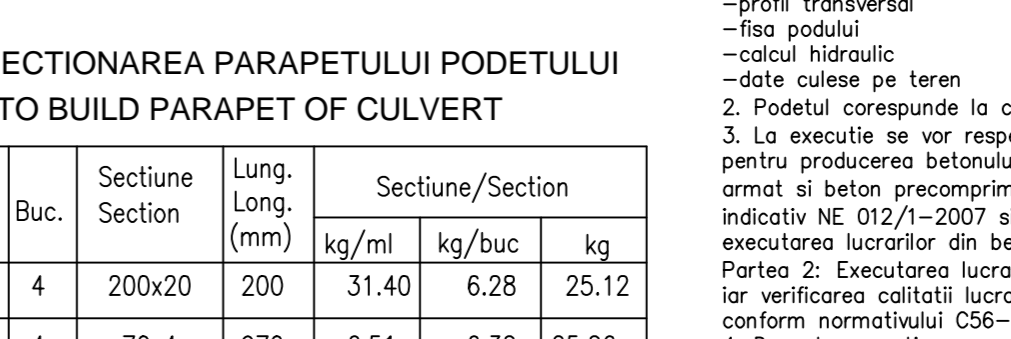
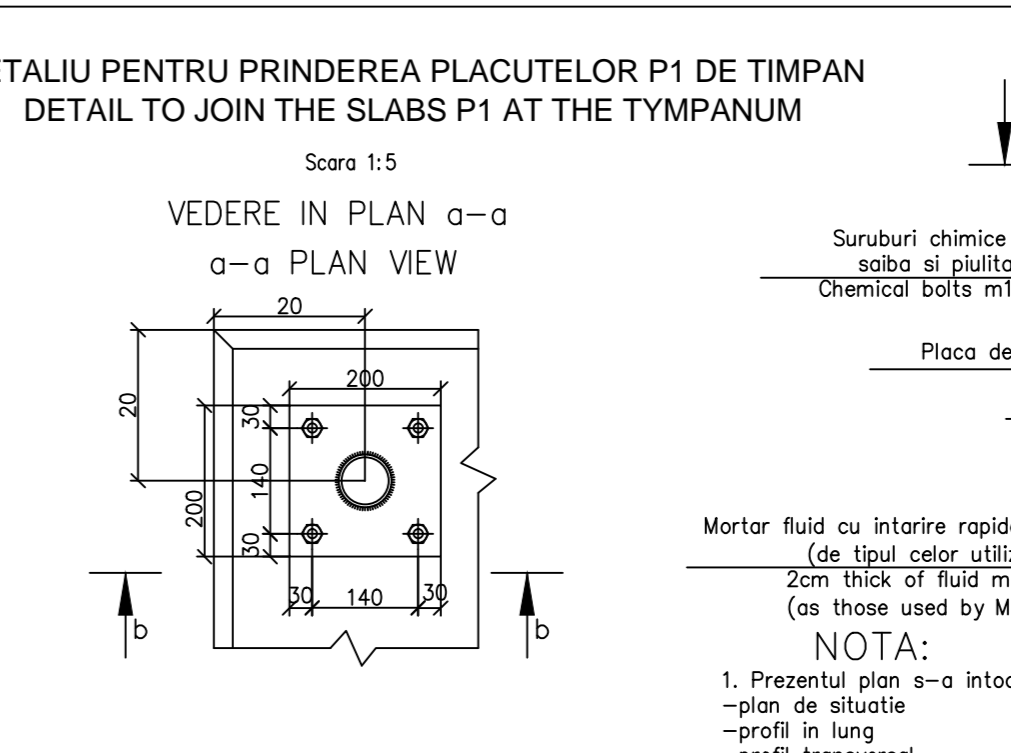
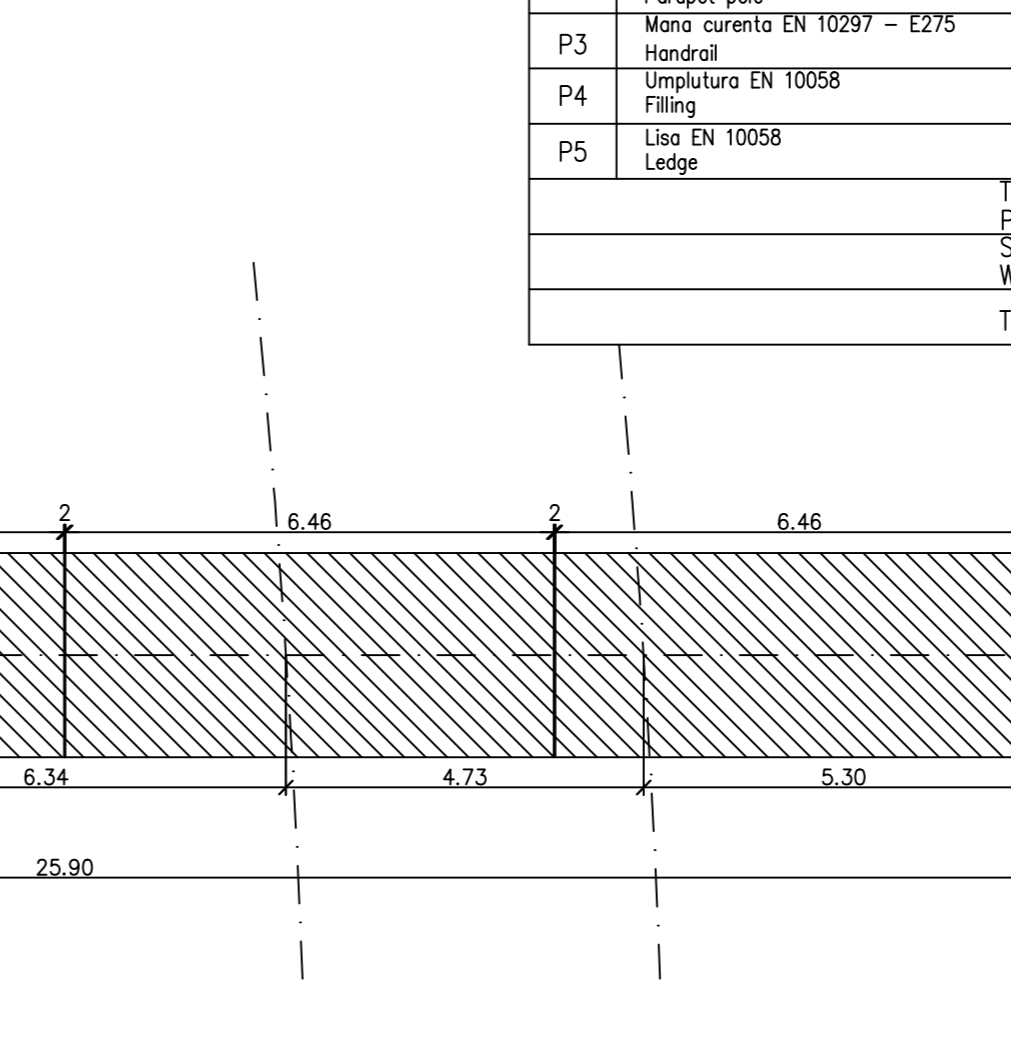
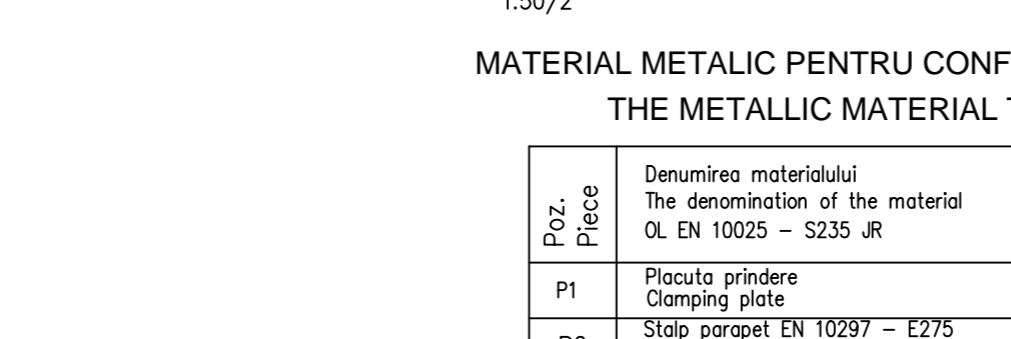
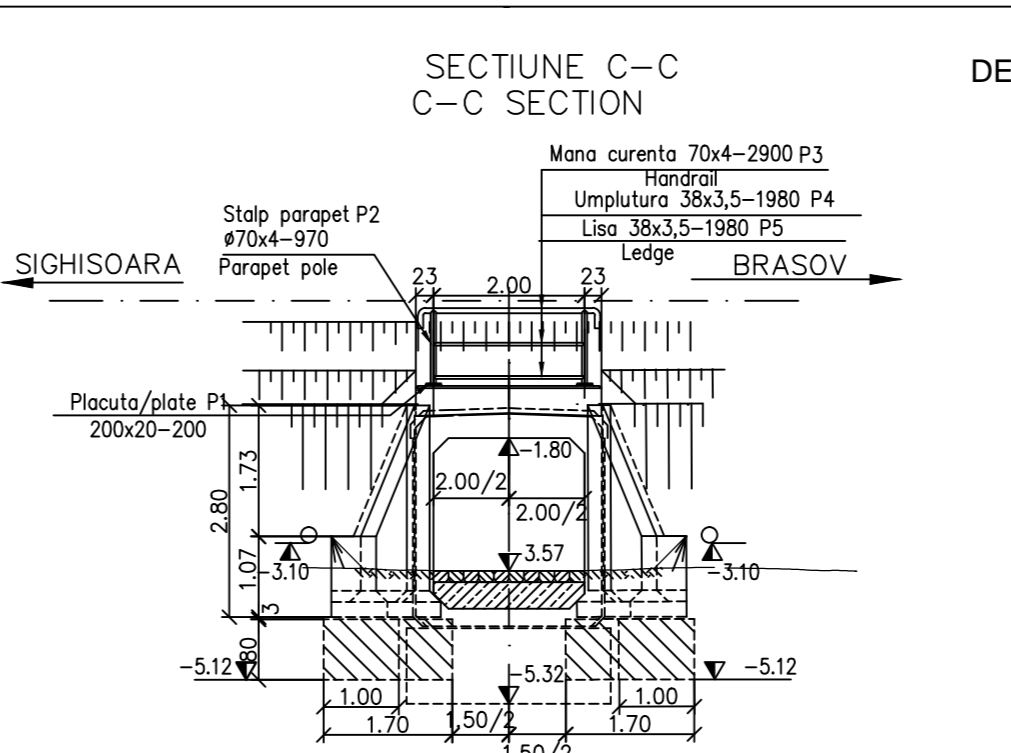
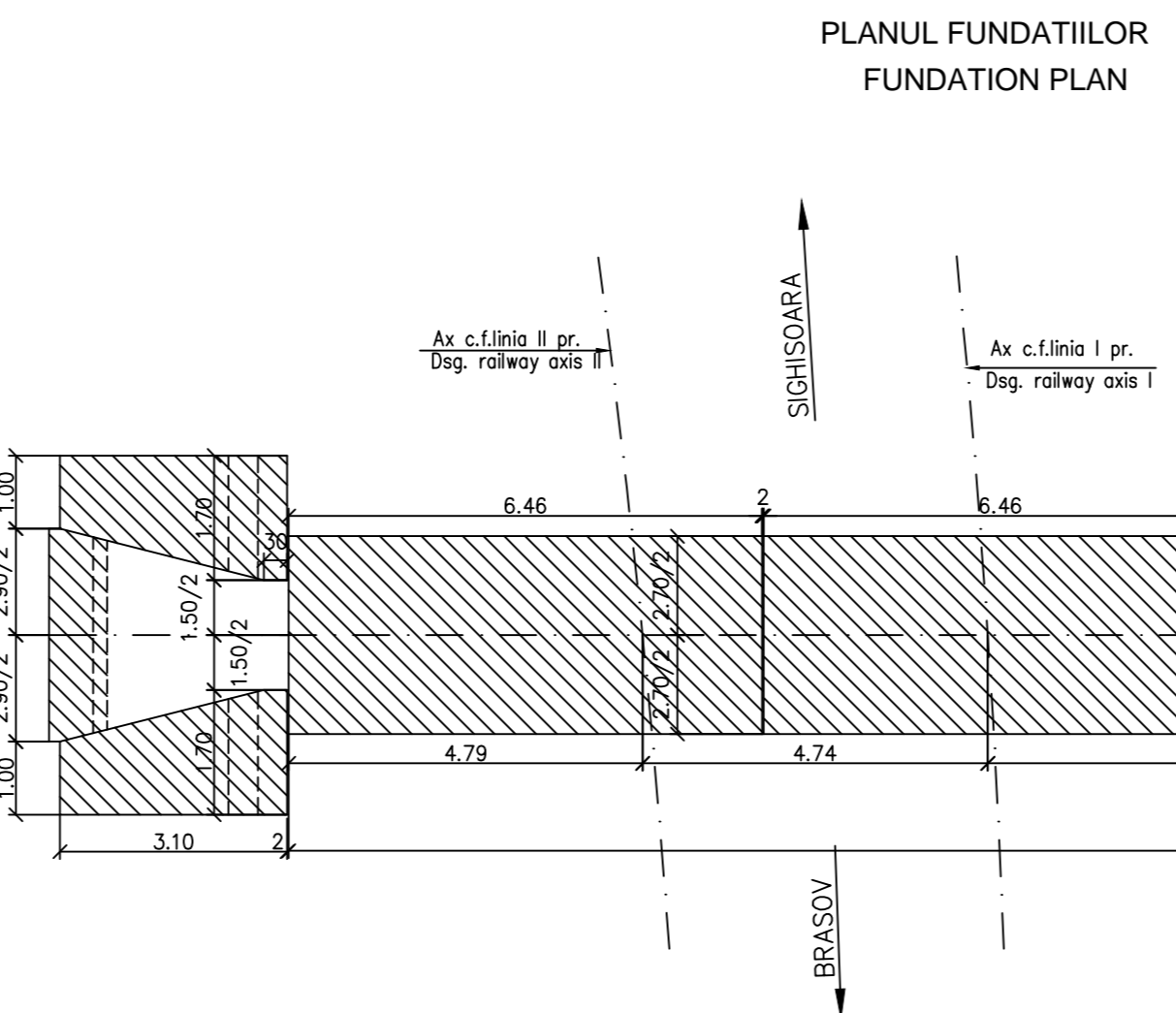
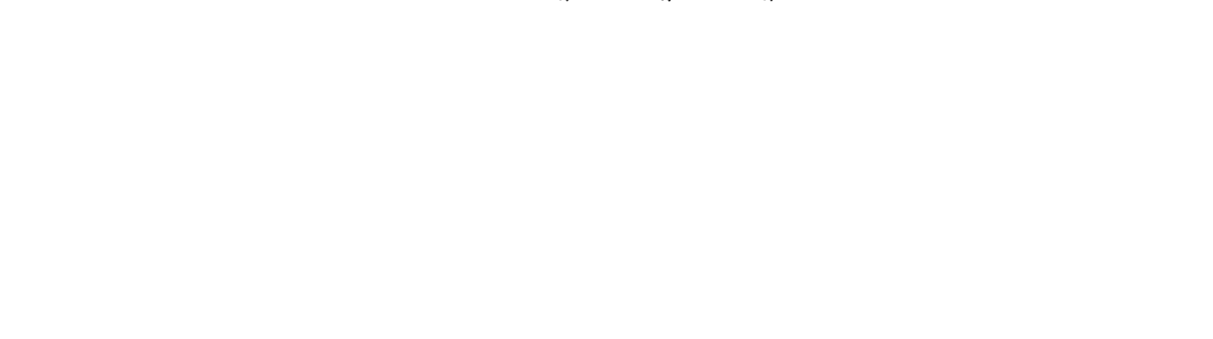
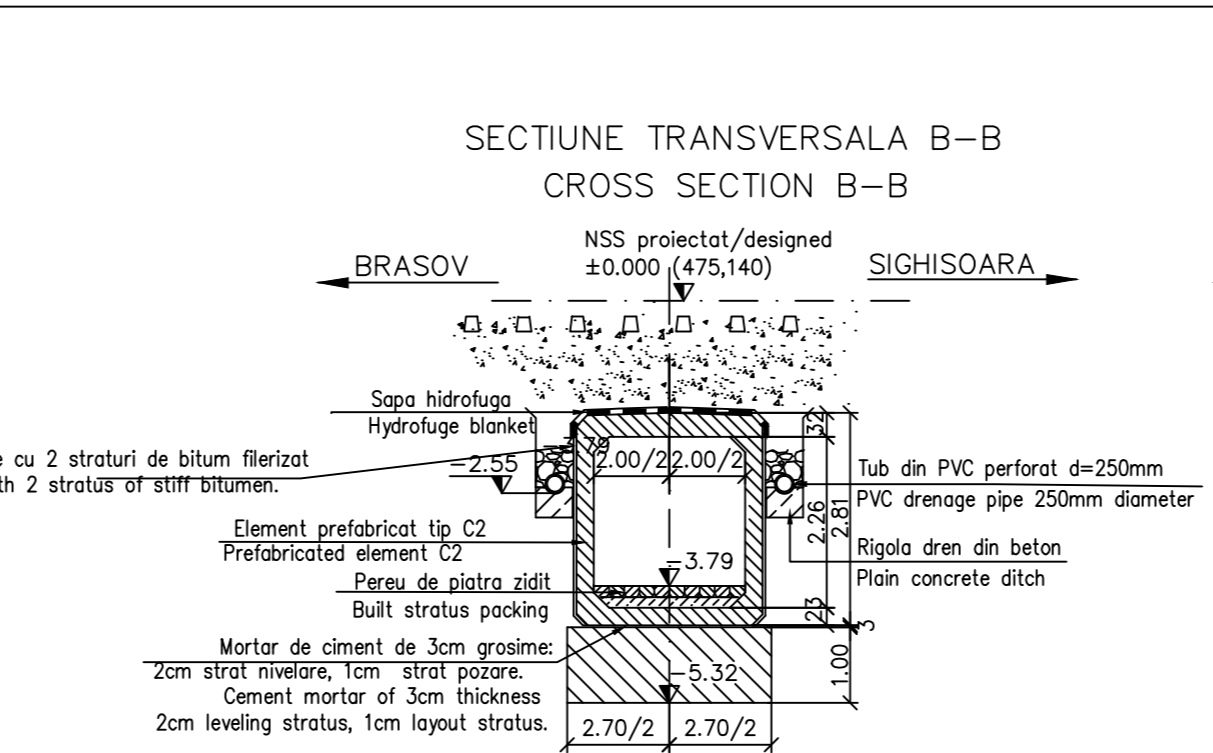
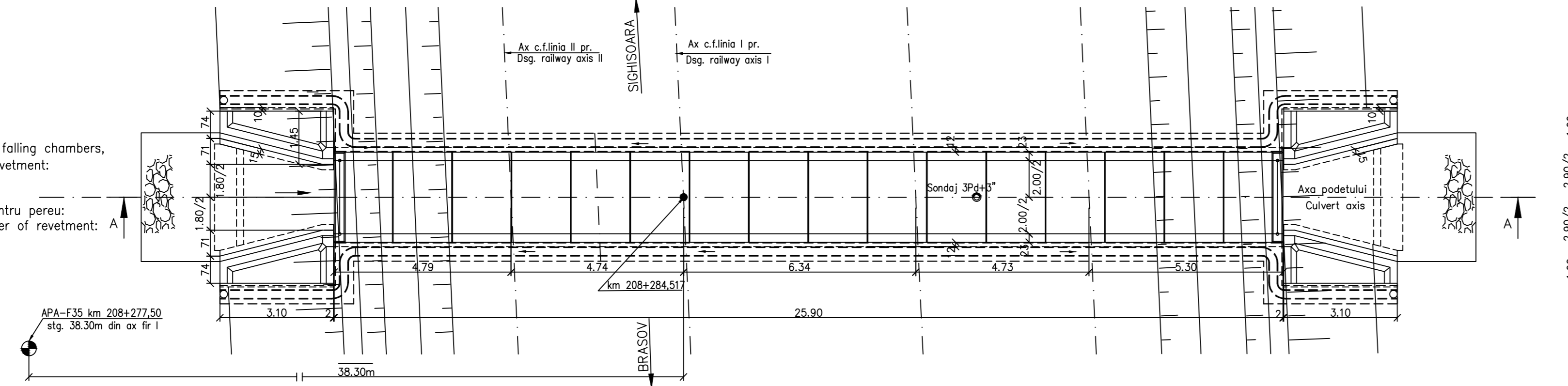
**DATE HIDRAULICE:**  
-Înălțimea de apă: h=1,22m  
-Perimetrul udat: P=4,44m  
-Aria udată: A=2,44m²  
-Viteza de curgere a apei V=3,46m/s

**HIDRAULIC DATA:**  
-Hydraulic height: h=1,22m  
-Perimeter: P=4,44m  
-surface: A=2,44m²  
-Water flow speed: V=3,46m/s

- LEGENDA BETOANELOR CONCRETE LIST**
- Beton în elemente prefabricate în general (cadre, aripi, timpane);  
-Concrete for prefabricated elements generally (frames,wings, tympana, C 35/45 - CEM II/A - S 32,5 - (XC4+XF3+XA1) - A/C = 0,50 - Dmax22 - Cl 0,20
  - Beton în fundațiile podetelor, a elementelor de racordare (aripi, pinteni, camere de cadere, sferturi de con, etc), în elevațiile arilor monolite și a camerelor de cadere, în peruu:  
-Concrete for the foundations of culverts, of connecting elements (wings, breakwaters, water falling chambers, cone quarters etc), for the elevations of monolith wings and of water falling chambers, in revetment: C 25/30 - CEM II/A - S 32,5 - (XF1) - A/C = 0,50 - Dmax32 - Cl 0,20
  - Beton în rigola drenurilor, fundațiile sferturilor de con și pentru realizarea stratului suport pentru pereu:  
-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 de pantă:  
-Slope concrete: C 25/30 - CEM II/A - S 32,5 - (XF3) - A/C = 0,55 - Dmax16 - Cl 0,20
  - Beton în stratul de protecție a hidroizolației;  
-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



Nivelul platformei pr. Subgrade	469.0 m datum	473.707	473.732	474.165	473.000	473.659	474.000	474.324	474.462	474.923	474.345	474.347	474.465	474.347	474.142	473.709	473.684	472.220																				
Nivelul terenului existent	Ground	473.707	473.732	474.165	473.000	473.659	474.000	474.324	474.462	474.923	474.345	474.347	474.465	474.347	474.142	473.709	473.684	472.220																				
Distanța	Distance	13.943	472.988	11.089	472.082	9.461	8.961	8.509	472.116	8.312	5.830	473.000	5.246	473.659	4.712	4.527	474.000	3.314	474.324	2.356	1.534	474.510	0.215	0.000	0.909	475.129	6.356	8.720	9.060	11.084	12.695	472.982	15.184	15.833	15.911	472.087	16.333	18.529



This drawing is forbidden to be copied, lent or used in other purposes than those previously approved by AREX Lider Company as its owner. Se interzice copierea, difuzarea, imprumutarea sau utilizarea in alte scopuri, fara permisiunea AREX Lider Company ca proprietar al desenului.

Indice / Index	Data / Date	Modificare / Modification/Revision	Proiectant / Designer	Aprobat Consultant / Approved Consultant	Aprobat CFR / Approved CFR
D					
C					
B					
A	12.2011	Revizia 1	Elena Radu		

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

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

CONSULTANT / CONSULTANT  
ITALFERR, Scott Wilson, OBERMEYER PLANEN + BERATEN GmbH, TECNIC Consulting Engineers

Aprobat / Approved	ef proiect / Project manager	R. Liuzza	Data / 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  
A. Dinulescu Stanciu, 07.2011

Reabilitarea liniei de cale ferată / Rehabilitation of the railway line  
Proiect/Project 2004/RO/16/P/PA/003  
Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :		Scara / Scale	LOT / LOT	Nr. / No
INTERVAL / SECTION APATA - RACOS PODET - KM 208+284,517 / KM 208+284,517 - CULVERT DISPOZITIE GENERALA / GENERAL DISPOSITION		1:100; 1:5		01 / 01
Codificare / Codification System				
E	A	5	1	0
0	1	C	1	0
1	0	P	A	0
2	0	P	O	0
4	1	0	0	2
1	0	0	2	1