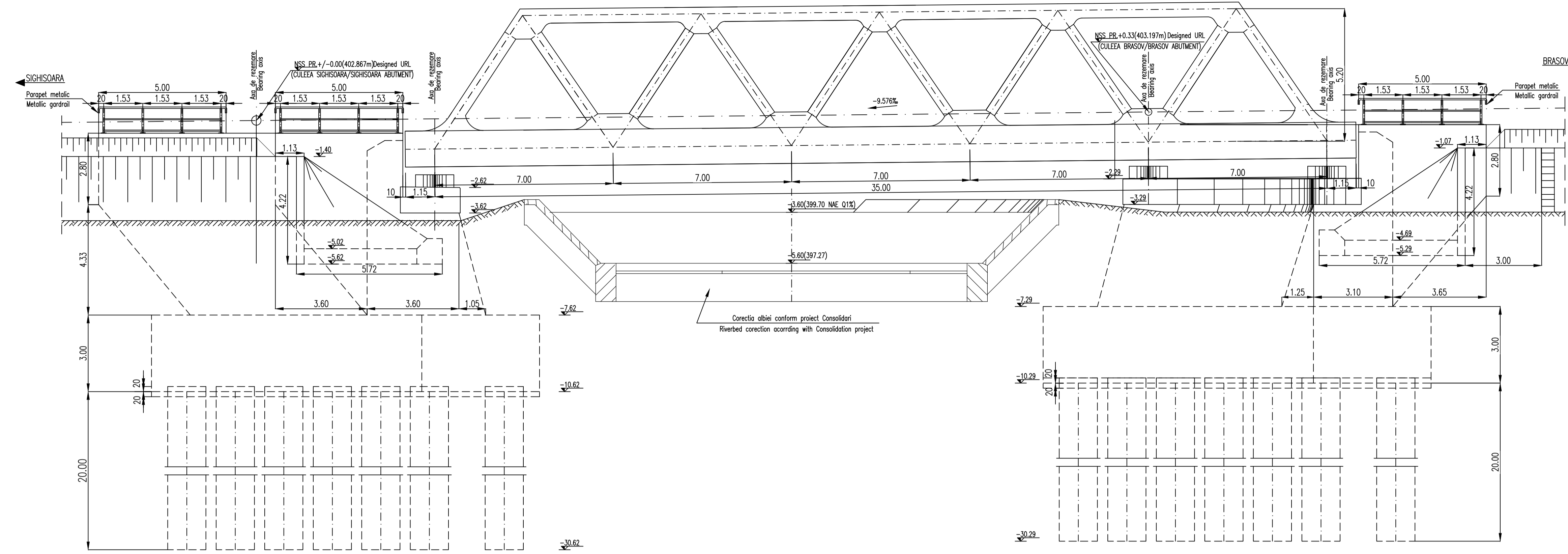
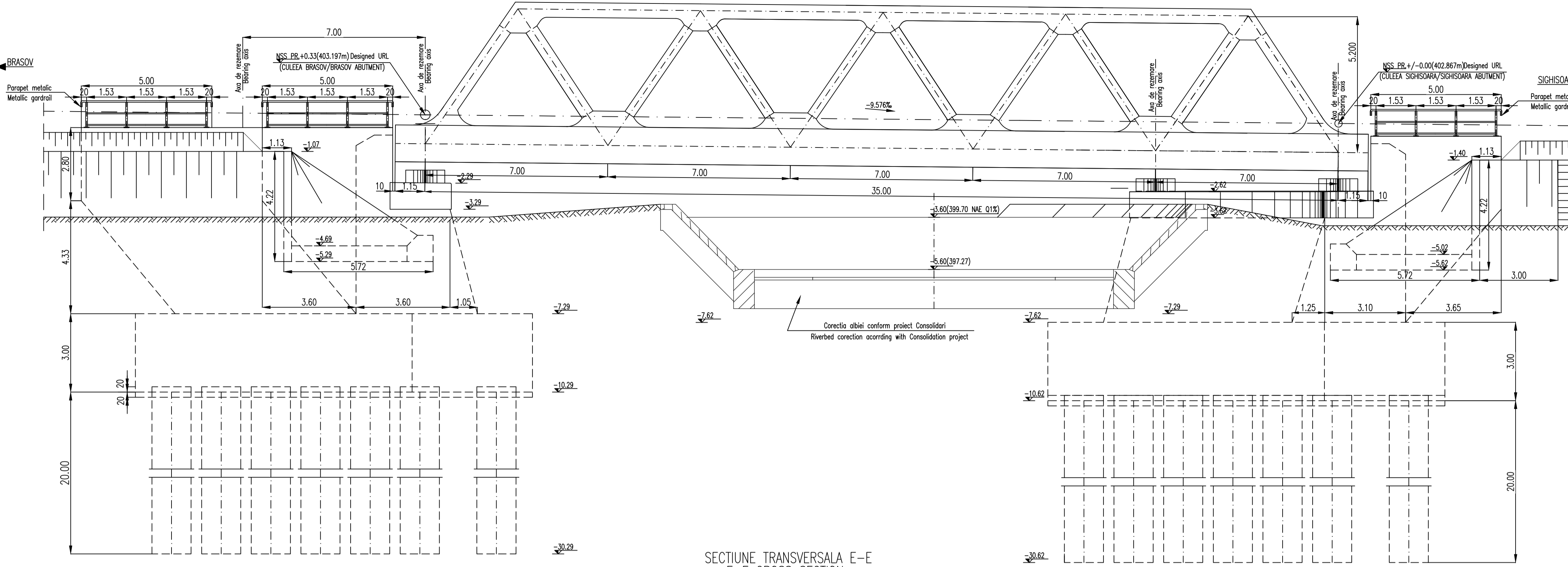


ELEVATIE A-A / A-A ELEVATION
Sc: 1:100



ELEVATIE B-B / B-B ELEVATION
Sc: 1:100



LEGENDA BETOANELOR/CONCRETE LIST

	Beton armat in bancilele cutilor Reinforced concrete in the cuttings and cuttings bench C 35/45-CDM (A-S 33.5-(N4+R3+X4)-A/C=0.50-0.18-0.020
	Beton armat in elevatie si in zidurile intorse Reinforced concrete in the elevation infrastructure and inverted walls C 25/30-Ciment II (A-S 42.5-(N4+R3)-A/C=0.50-0.18-0.020
	Beton simplu in fundatii Plain concrete in abutments foundations C 25/30-Ciment II (A-S 42.5-(N3)-A/C=0.50-0.18-0.020
	Beton in stratul de protectie al hidroizolatiei Concrete in the protection layer of the waterproofing C 25/30-Ciment II (A-S 33.5-(N4+R3)-A/C=0.50-0.18-0.020

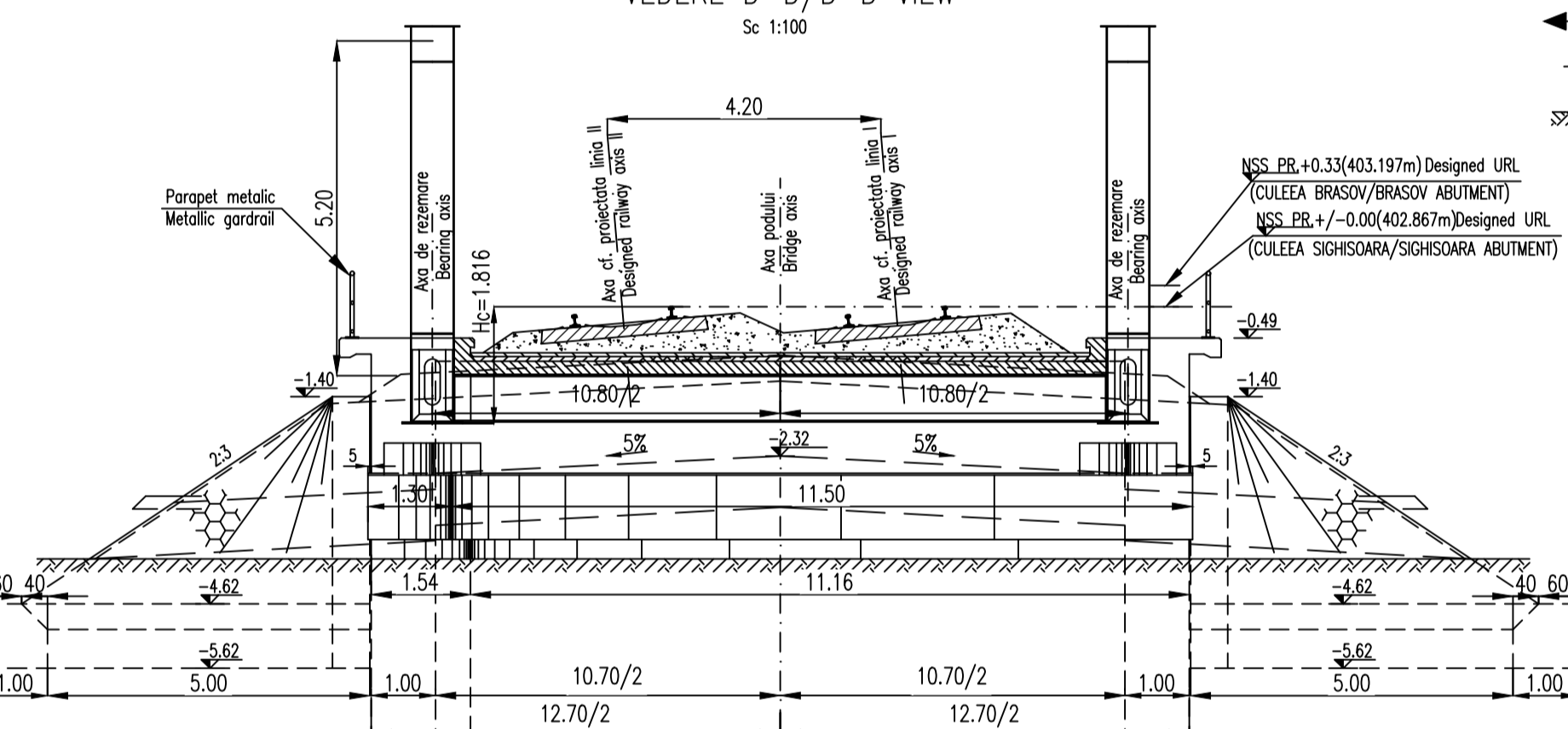
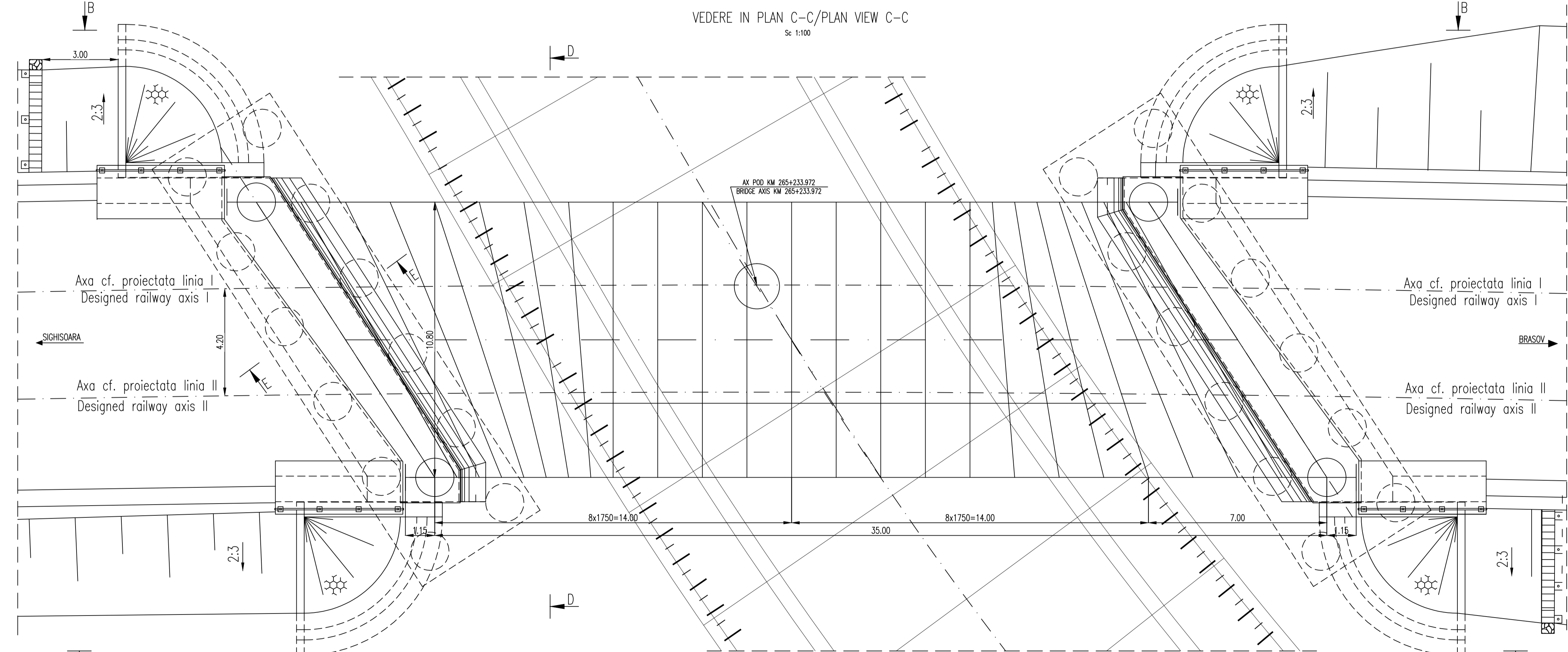
In cazul in care temperatura in timpul furnizarii este scazuta, se vor folosi cimenturile cu rezistenta ridicata mare, si se aduce accelerantii, iar in cazul furnizarii pe timp cald, concretului cu rezistenta ridicata scazuta. N si aditivii intarinatori (conf. NE 012/2-2010 si tabelul 2 din SR EN 197-1:2000).
When the temperature during the casting is low, cement with high initial resistance, R and accelerating additives shall be used and when it is cast during warm weather, cements with common initial resistance, N and delaying additives shall be used (according the norm NE 012/2-2010 and table 2 for the SR EN197-1:2000).

NOTA

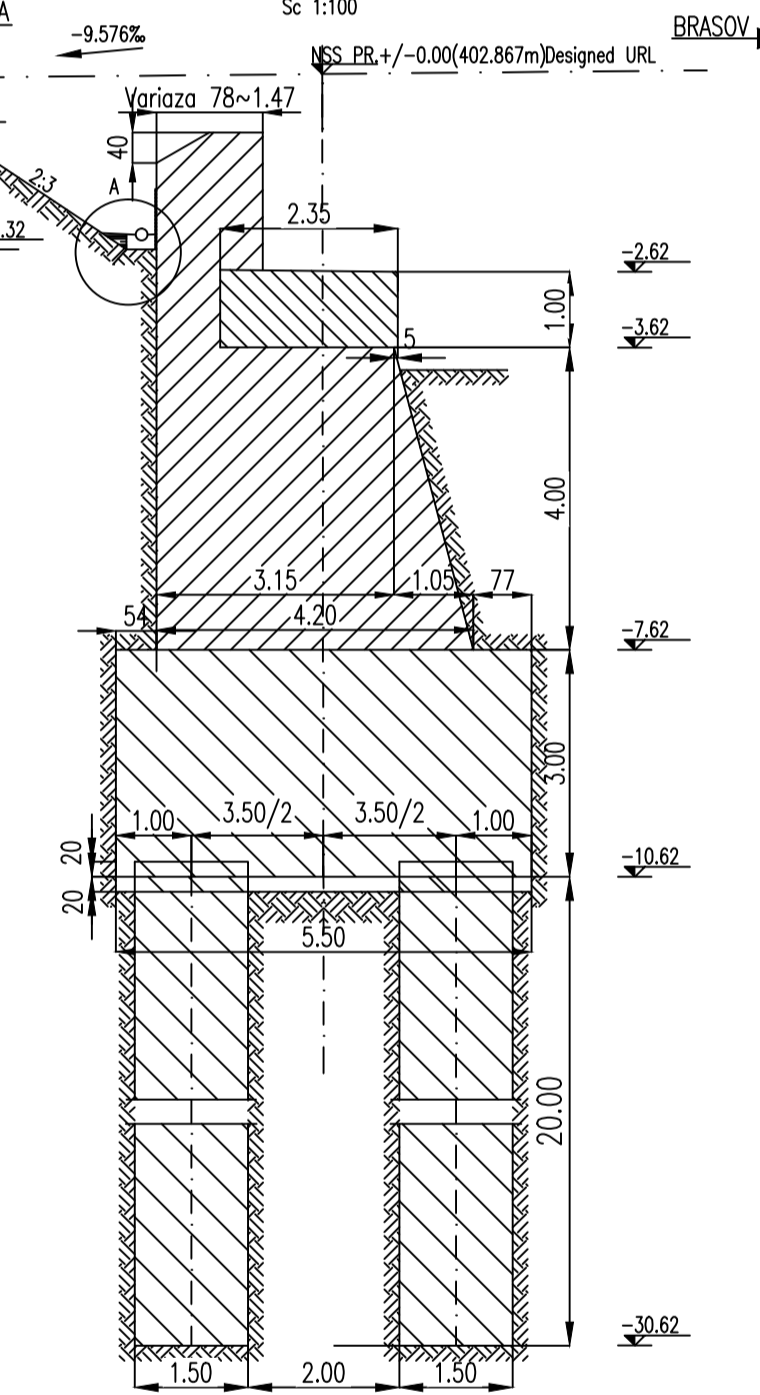
Lungimea fiei coloanelor se va stabili in urma testarii in situ cu identificarea fiei fibroscopice, si in urma incalzirii la o temperatura de cel putin 100°C, dupa ce s-a realizat testul de rezistenta la compresiune. Numarul coloanelor de proba a fost stabilit conform prevederilor din EN12500.
Capacitatea portanta a coloanelor se va stabili conform prevederilor din EN12500, sectiunea geometrica cu coloana pentru fiecare in parte.
The length of the columns will be established based on the "in situ" testing identifying the fibroscopic configuration of the column (fibroscopic test), after the breakdown tests made on the testing columns but outside the final location.
The number of the testing columns was established complying with the provisions in EN12500.
The columns bearing capacity shall be established complying with the provisions in EN12500.
Geometrical sections using the "in situ" testing methods.
#Columns shall be checked in situ.

NOTE

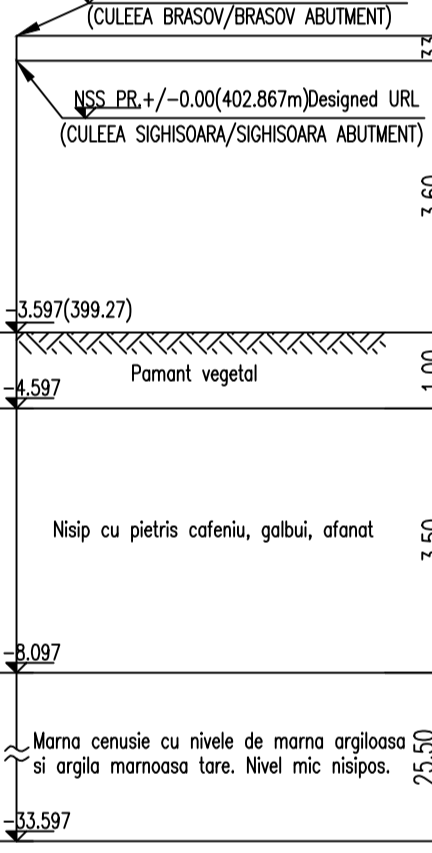
The length of the columns will be established based on the "in situ" testing identifying the fibroscopic configuration of the column (fibroscopic test), after the breakdown tests made on the testing columns but outside the final location.
The number of the testing columns was established complying with the provisions in EN12500.
The columns bearing capacity shall be established complying with the provisions in EN12500.
Geometrical sections using the "in situ" testing methods.
#Columns shall be checked in situ.



SECTIUNE TRANSVERSALA E-E / E-E CROSS SECTION
Sc: 1:100



FORAJ / DRILL "Mur S9"
Sc: 1:100



DATE HIDRAULICE

Inaltimea de apa in pod: h=2.08m
Perimetrul ud: P=19.88m
Aria udului: A=33.45m²
Viteza de curgere: V=5.37m/s

HIDRAULIC DATA

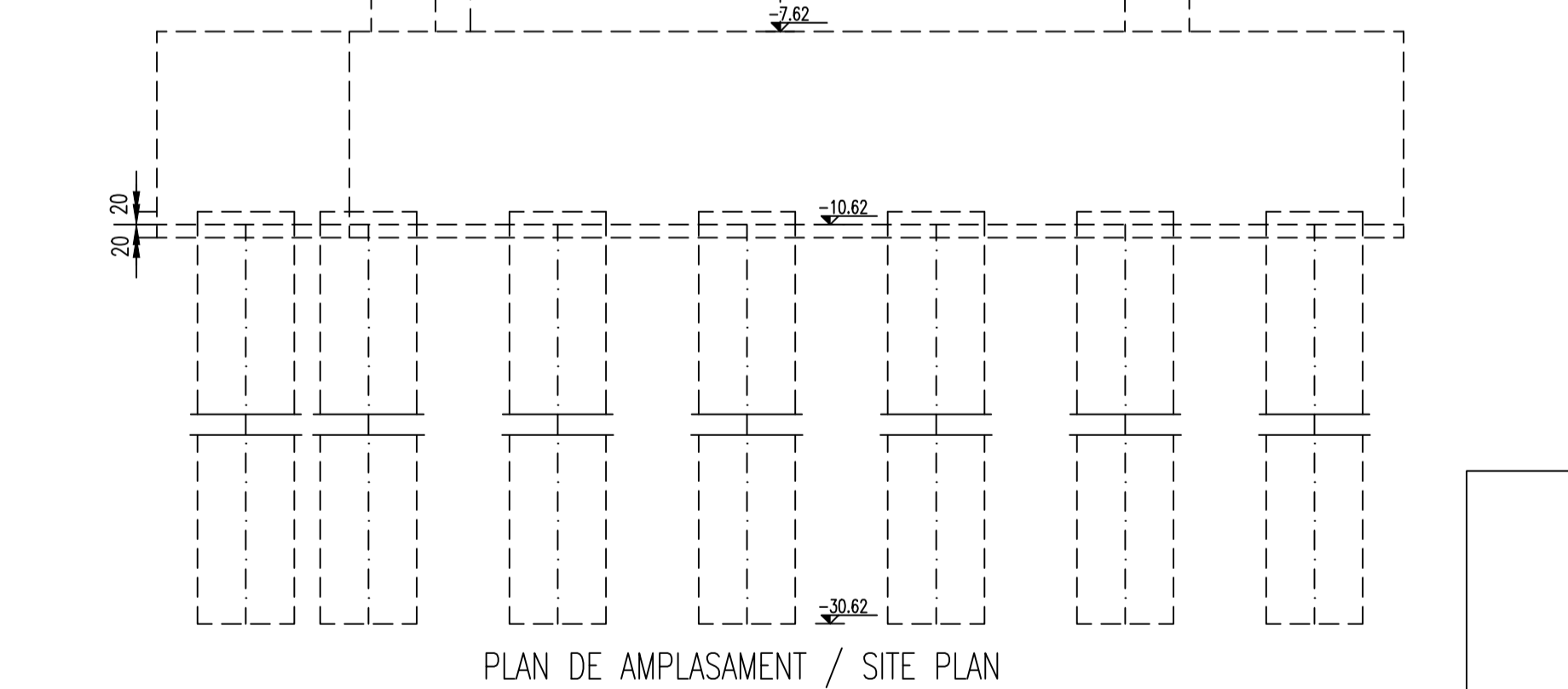
Hydraulic height: h=2.08m
Wet perimeter: P=19.88m
Wet surface: A=33.45m²
Water flow speed: V=5.37m/s

NOTA:

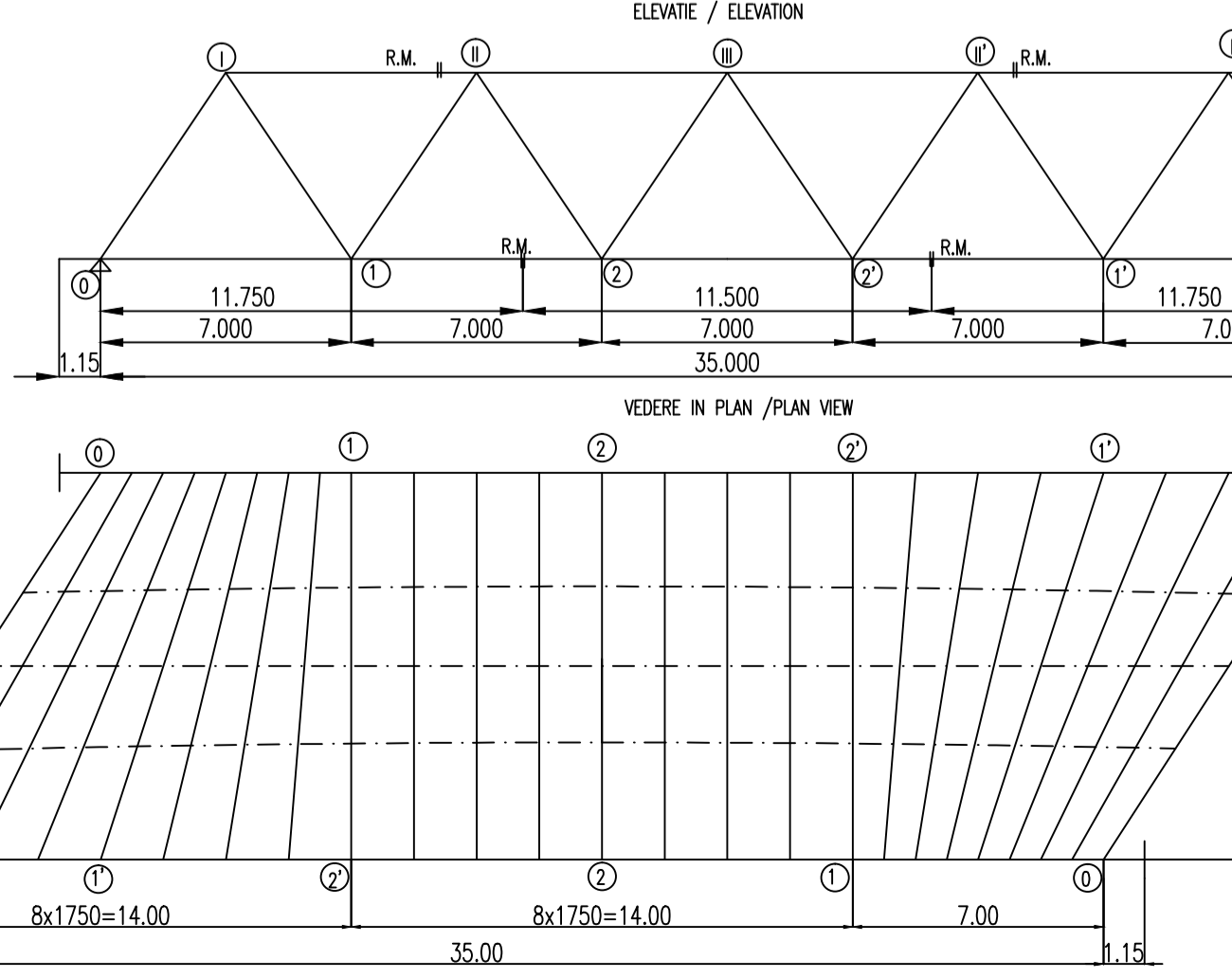
- Prezentul plan s-a intocmit pe baza urmatorilor date:
-plan de situatie
-profil in lung
-profil transversal
-fisa podului
-catalin hidroscopice
- Podul este construit pe baza urmatorilor date:
-suprafata: taluzi din grinzi cu zestre care de beton, care dublu;
-infrastructura: calzi din beton armat, fundatii direct.
- La executie se vor respecta cu stricta precizie din "Normativ pentru producerea betonului si executarea lucrurilor din beton, beton armat si beton precomprimit", Partea 1: "Producerea betonului", indicativ NE 012/1-2007 si "Normativ pentru producerea betonului si executarea lucrurilor din beton, beton armat si beton precomprimit", Partea 2: "Executarea lucrurilor din beton", indicativ NE 012/2-2010, iar verificarea calitatii lucrurilor si receptiunea lor se va face conform normativului EN12500.
- Daca la executie se vor constata neconcordanțe între situatia existentă pe teren si cea din proiect se va consulta proiectantul.
- Construcția se încadrează în categoria de importanță B (construcții de importanță deosebită), modelul I de asigurare a calitatii și clasa de importanță B, conform HG 766/1997.
- Proiectul va fi verificat la cerințele AA2, B2, B2.2.

NOTE:

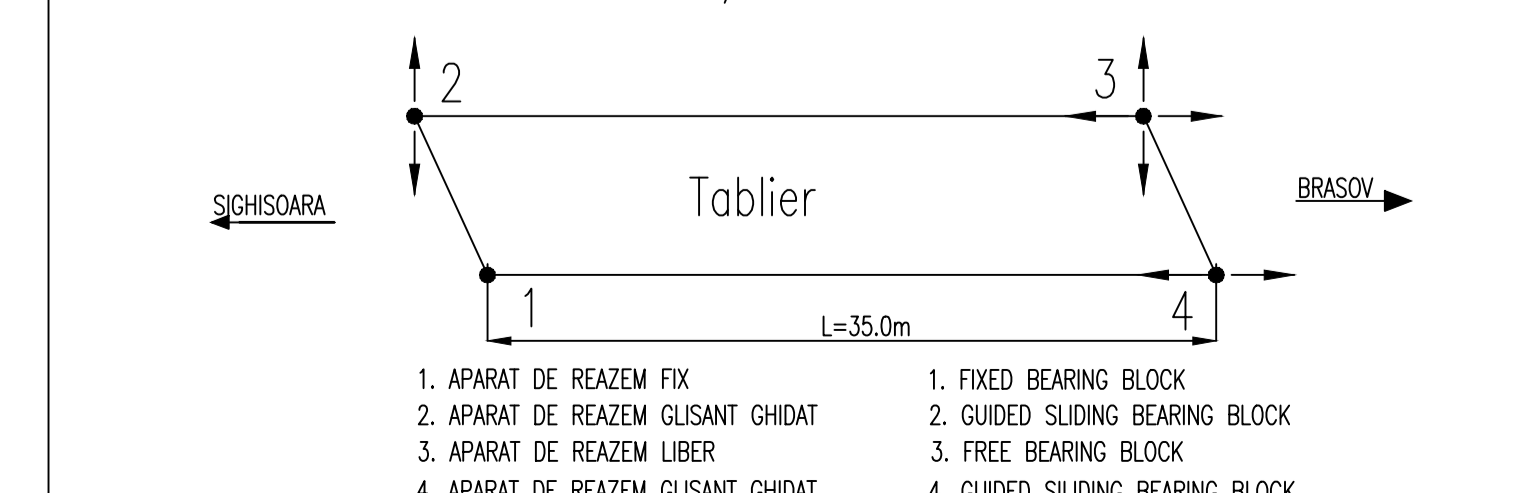
- This plan has been drawn up based on the following data:
-Layout Plan
-Longitudinal Profile
-Cross-section Profile
-Bridge's File
-Hydrological determination
- The culvert corresponds to the UIC determination conveyance (M71 and SW2)
- The new bridge has the following structure:
-Superstructure: deck made from metallic beams;
-infrastructure: abutments and reinforced concrete, with direct foundation.
- 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 according to Norm C 56-1985.
- In case during the execution there will be found out any discrepancies between the existing situation on site and in project, the designer will be consulted.
- The construction has been classified in B category of importance (high importance constructions), model I -ensuring the quality and class of importance B according to C63, 766/1997.
- The project will be checked in order to comply with the AA2, B2, B2.2 requirements.



SCHEMA GEOMETRICA A TABLIERULUI / GENERAL SCHEME
Sc: 1:200



APARATE DE REAZEM CU NEOPREN SI TEFLON/NEOPRENE AND TEFLON BEARING BLOCKS ASEZAREA APARATELOR/PLACING THE BEARING BLOCKS



TITLUL PLANSEI / PLAN TITLE		COD/COUDE										
PLANURI TIP LA PODURI		a	b	c	d	e	f	h	j	g	i	k
DETAILS FOR BEARING BLOCK MADE OF TEFLON AND NEOPRENE	DETALII APARAT DE REAZEM DIN TEFLON SI NEOPREN	E	A	5	1	0	1	E	0	0	B	K
DETAILS FOR WATERPROOFING AND JOINT COVERING	DETALII HIDROIZOLATII SI ROSTURI	E	A	5	1	0	1	E	0	0	Q	K
DETAILS FOR DISCHARGE OPENINGS	DETALII GURI DE SCURGERE	E	A	5	1	0	1	E	0	0	Q	K
DETAILS FOR PARAPETS ON THE DECKS	DETALII PARAPET PE TABLIER	E	A	5	1	0	1	E	0	0	B	C
FASTENING DETAILS FOR ELECTRIFICATION POLES	DETALII PRINDERE STALPI DE ELECTRIFICARE	E	A	5	1	0	1	E	0	0	B	C
STRUCTURAL FORMWORKS OF STEEL BEAM FOR TRUSS BEAM DECK WITH L= 35 m SI W= 10,80 m	PLAN GENERAL GRINDA METALICA PENTRU TABLIER GRINDA ZABRELE, L= 35 m SI W = 10,80 m	E	A	5	1	0	1	E	0	0	B	C

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D					
C					
B					
A	12.2011	Revizua 1	Otar Mihai Adrian		
Index	Date	Modificari	Proiectant	Aprobat CFR	Aprobat CFR
		Modification/Revision	Designer	Approved Consultant	Approved CFR



CLIENT / CLIENT
GUVERNUL ROMANIEI ROMANIAN GOVERNMENT
PROIECT FINANTAT DE UNIUNEA EUROPEANA EUROPEAN UNION FINANCED PROJECT
C.N.C.F. "C.F.R." - S.A.



CONSULTANT / CONSULTANT		Data		Semnatura	
Aprobat	Set proiect	R. Luzzi			
Aprobat	Project manager				
Aprobat	Coordonator Sectiune 1	C. Gambelli			
Verificat	Section 1 Coordinator				
Checked	Expert Check	V.Kalidromitis			
	Key Expert				

SUBCONTRACTANT / SUBCONTRACTOR		Data		Semnatura	
Aprobat	Responsabil Subcontractant	A. Dinulescu Stanciu	11.2011		
Aprobat	Subcontractant Responsible				
Elaborat	Designer	Otar Mihai Adrian	11.2011		

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componenta a coridorului IV Pan European, pentru circulatia trenurilor cu viteza maxima de 160 km/h, 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/PIPA/003
Faza / Phase: P.Th. / T.D.

Denumire desen / Drawing Title :
INTERVAL / SECTION ACATA - VANATORI
POD / BRIDGE Km 265+233.972 - D=35.00m
DISPOZITIE GENERALA / DISPOSITION GENERALE

Codificare / Codification System	Scara / Scale 1:100 / 1:200 / 1:500	LOT / LOT	Nr. / No 01 / 01
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E A 5 1 0 1 C 1 6 P A P V 0 3 8 0 0 0 2 1