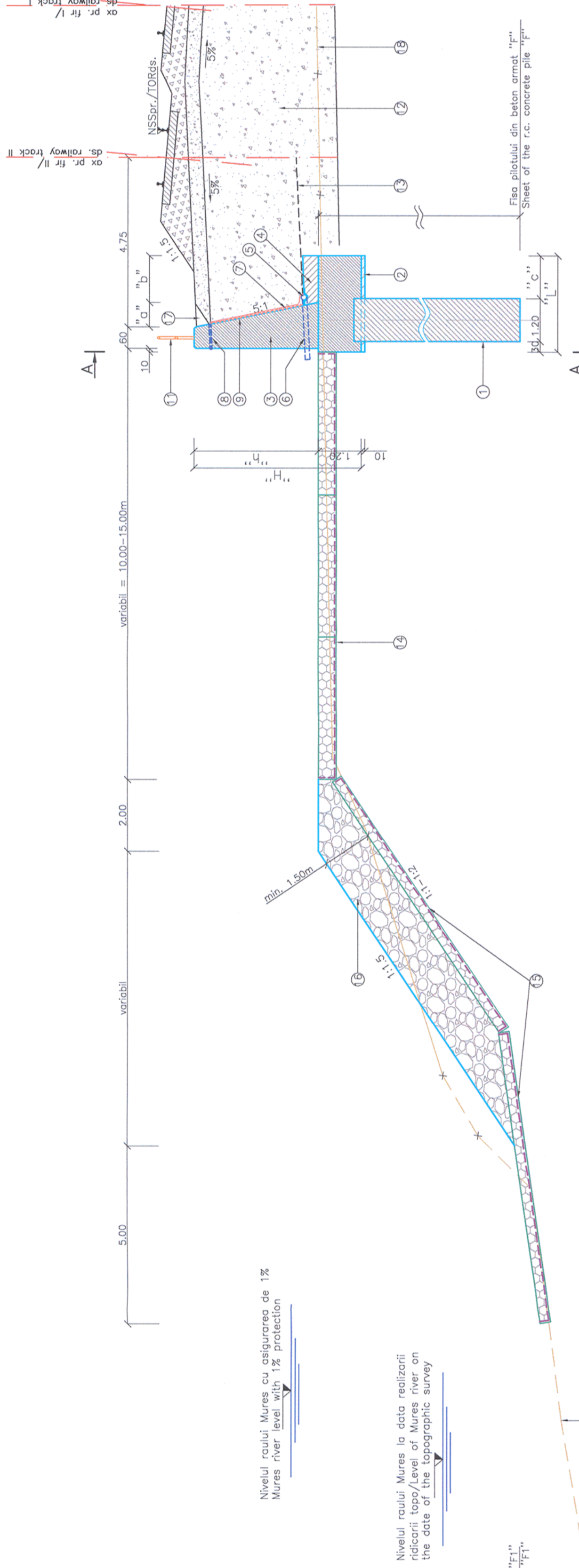
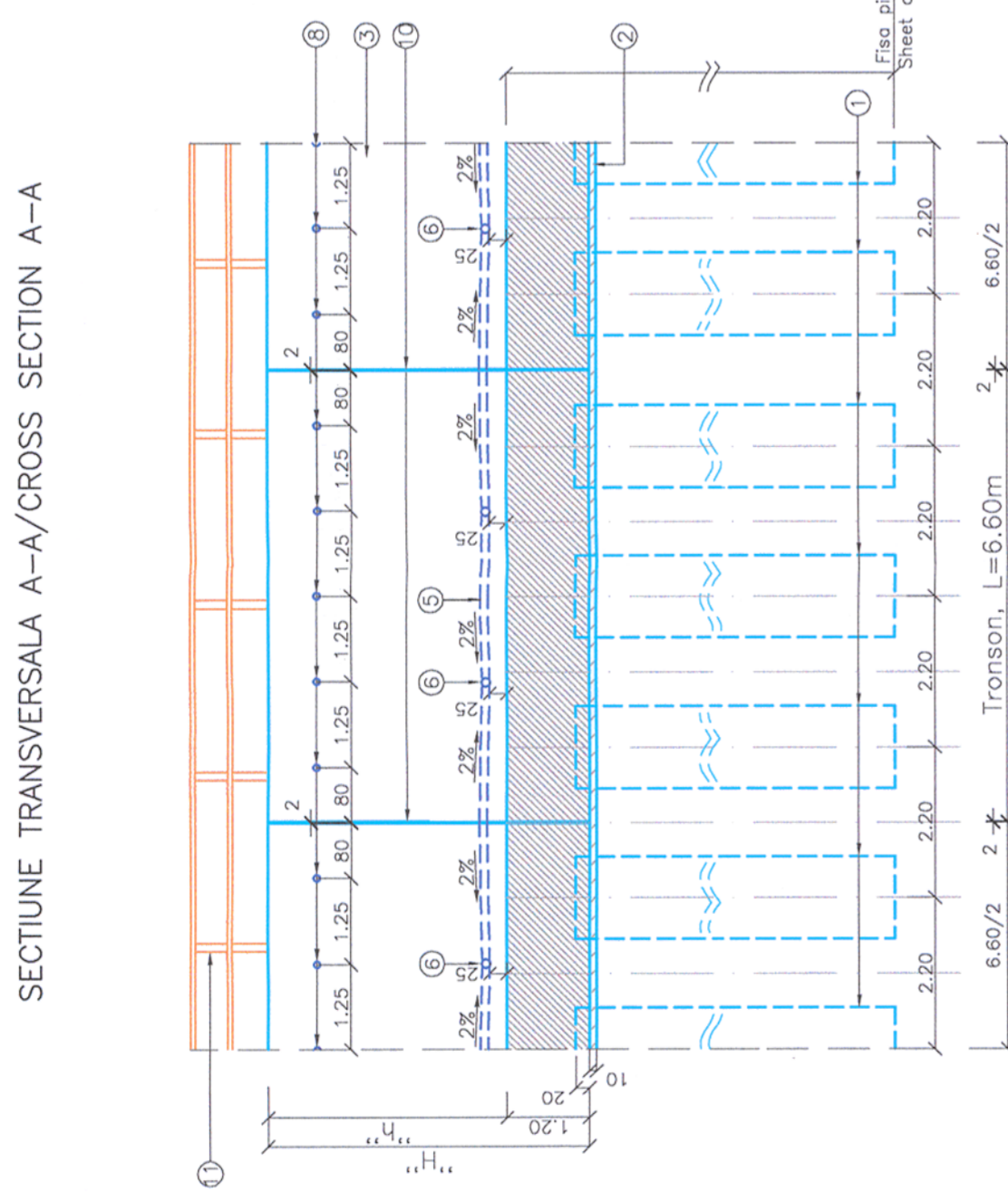


Plan general 2 / General layout 2  
Retaining wall made of r.c. with foundation on secant bored piles

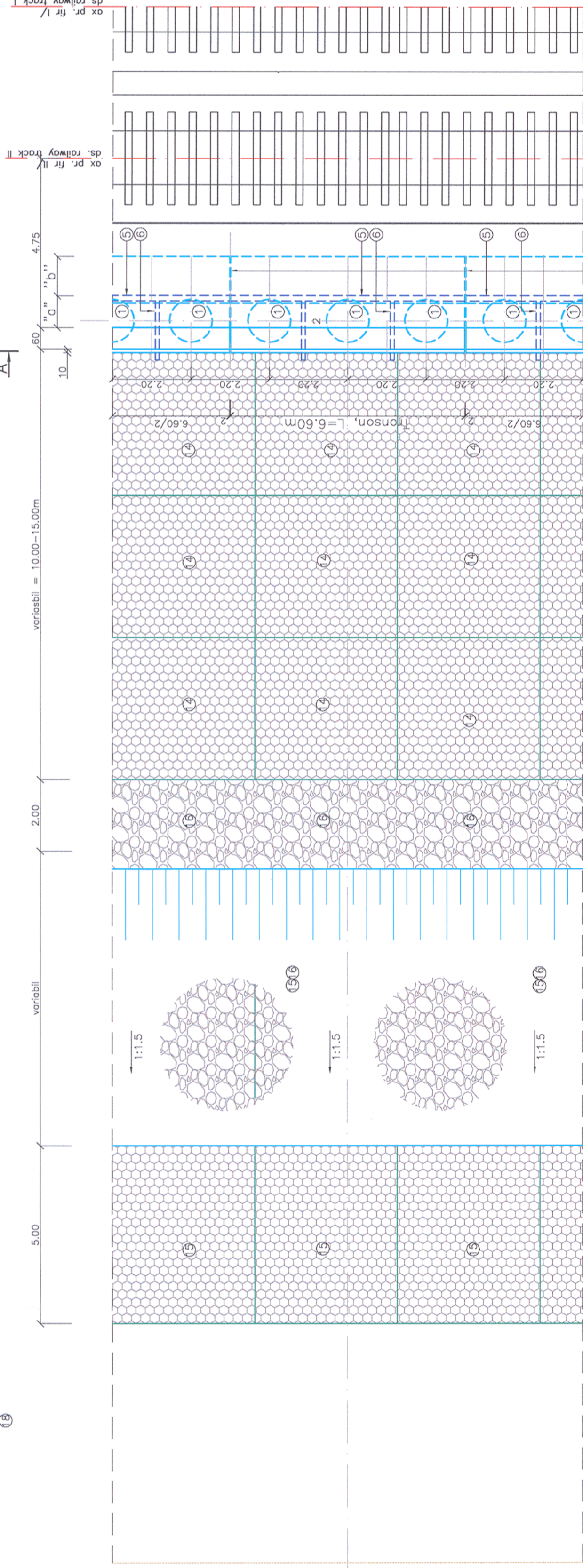
SECTIUNE TRANSVERSALA B-B / CROSS SECTION B-B



SECTIUNE TRANSVERSALA A-A / CROSS SECTION A-A



VEDERE IN PLAN C-C / PLAN VIEW C-C



ELEMENTELE GEOMETRICE SI APLICABILITATEA ZIDULUI DE SPRUJIN DIN BETON ARMAT FUNDAT PE PILOTI FORATI  
GEOMETRIC ELEMENTS AND THE APPLICABILITY OF THE RETAINING WALL MADE OF R.C. WITH FOUNDATION ON BORED PILES

Nr. crt/	Positia fata de axa c./I/ Position against the railway axis	Aplicabilitate/ Applicability	Lungime (m)/ Length (m)	Dimensiuni (m)/Dimensions (m)						
No.				h	H	L	a	b	c	F
1	stanga/dleft	km 536+792.35	53.00	3.50	4.70	2.70	0.70	1.30	1.20	14.00
2	stanga/dleft	km 536+845.35	92.65	3.00	4.20	2.50	0.65	1.20	1.00	14.00
Lungime totala (m) / Total length (m)			145.65							

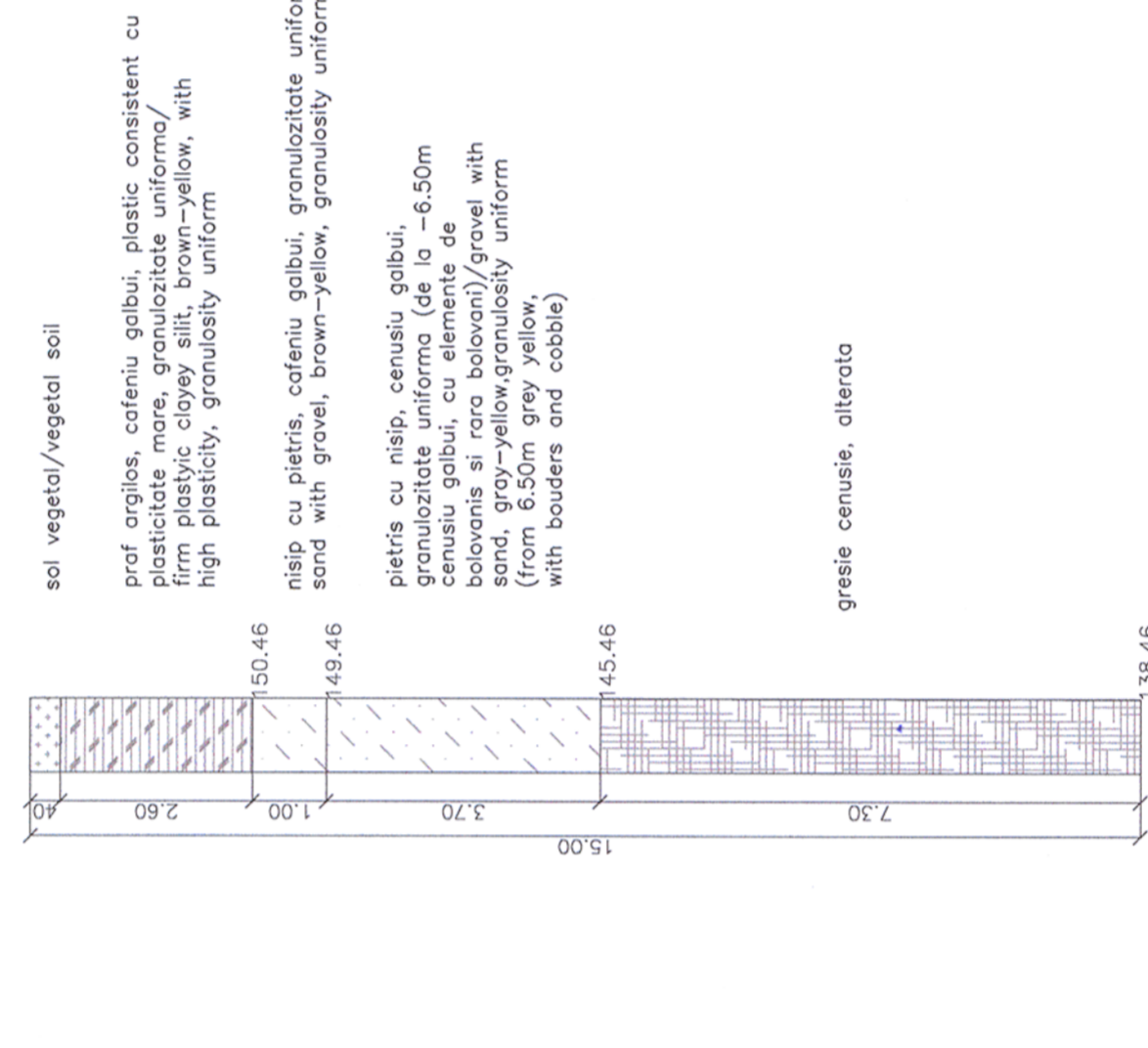
Nota 2:  
1. dispozitia generala are ca scopul detalierea si aplicabilitatea lucrarilor de consolidare proiectate.  
2. The object of the general layout is to detail and apply the designed consolidation works.  
3. Pozitia batoanelor din PVC 450mm si Terasoamele c.i. Acestea se resorse in cadrul ocluasi proiect in documentati separate.  
4. Satelele din gabioane se vor proteja la partea superioara a zidului de sprujin din beton armat.  
5. The position of the PVC weepers 450mm from the top side of the reinforced concrete retaining wall is provided in the object of specialty Railway Superstructure and Embankments. They can be found within the same design but in different documentations.  
6. Gabioanele din PVC vor fi protejate la partea superioara a zidului de sprujin din beton armat.  
7. The position of the PVC weepers 450mm from the top side of the reinforced concrete retaining wall is provided in the drawings detailing the retaining wall elevation.  
8. Gabioanele din PVC vor fi protejate la partea superioara a zidului de sprujin din beton armat.  
9. The position of the PVC weepers 450mm from the top side of the reinforced concrete retaining wall is provided in the drawings detailing the retaining wall elevation.

Nota 1:  
1. Dimensiunile zidului de sprujin din beton armat fundat pe piloti ecantini D=1200mm, precum si fisa pilotilor s-au stabilit pe baza informatiilor geotehnice din studiul geotehnic, respectiv a ferojului de la km 536+800pr., astfel incat incastare pilotilor sa se realizeze in stratul de roca, respectiv gresie cenusie nealterata.  
2. In conditiile in care, in momentul realizarii forajelor pentru piloti, se constata straturile geotehnice interceptate, cu datele din forajele geo mentionate, in caz se va consulta proiectantul si geotehnicianul pentru adaptarea la teren a lucrarilor de sprujin proiectate.  
3. In cazul in care, in timpul executiei lucrului de arta, se constata diferente mari fata de situatia proiectata, in special eruziuni si modificari ale formei si pozitiei taluzului abiei minore, se va instiinta Proiectantului pentru adaptarea la teren a solutiilor proiectate.  
4. Conform profilului transversal curente sc. 1:200, pe zonele unde sunt prevazute umpluturi de amocamente, gabioanele se vor aseza dupa ce in predabili se va realiza o umplutura din piatra bruta pentru nivelare si umplerea golurilor.  
5. Inaintea executiei lucrarilor Constructorul va face o ridicare hidrografica, care va constitui baza masuratorilor de cantitati.  
6. Daca se constata diferente mari fata de situatia proiectata, in special eruziuni si modificari ale formei si pozitiei taluzului abiei minore, se va instiinta Proiectantului pentru adaptarea la teren a solutiilor proiectate.  
7. Deasemenea dupa fiecare vizura se va verifica starea lucrarilor precum si integritatea sotelelor, dupa caz, luandu-se masurile de remediere care se impun.  
8. The dimensions of r.c. retaining wall founded on secant piles with D=1200mm and the sheet of the piles were established based on geo-technical information from geotechnical study, respectively the data of the boreholes made at km 536+800pr., so that the installation of the piles will be possible in the rock stratum of grey color.  
9. In the case where, during the execution of the works, it is found that the geotechnical layers intercepted are different from those mentioned in the data of the mentioned geo drillings, the designer and geo-technician will be consulted in order to adapt the designed propping-up works to the ground.  
10. Before works' execution, the Contractor will make a hydrographic survey that will stand on the basis of quantities' measurements.  
11. If major differences are noticed as compared to the designed situation, mainly erusions and modifications of shape and slope of the minor riverbed, the Designer will be informed for adopting the site to the designed solutions.  
12. Also, after each flood, the works' status will be checked as well as the integrity of mattresses, depending on the case, taking necessary remedy measures.

Foraj geo km 536+800pr.  
X=50087.699  
Y=290986.066

LEGENDA BETOANELOR / CONCRETE LEGEND

	Beton de egalizare clasa C12/15, X0
	Beton simplu clasa C16/20, XC2
	Beton armat clasa C25/30, XF1+XC2+XA1
	Beton armat clasa C30/37, XF1+XC4
	Beton armat clasa C35/37, XF1+XC4



LEGENDA:  
1. Piloti forati din beton armat, D=1200mm, din beton armat clasa C25/30  
2. Beton de egalizare, clasa C12/15  
3. R.c. retaining wall, class C12/15  
4. Zid de sprujin din beton armat, clasa C30/37  
5. Tub din PEHD #150mm, spartit la partea superioara  
6. Barbacana din tub PEHD #110mm  
7. Geotextil separat pe spatele zidului de sprujin  
8. Geotextil separat pe spatele zidului de sprujin  
9. Separatie aplicata pe spatele zidului de sprujin  
10. Rest de separatie din polistiren extrudat, grosime 2cm  
11. Parapet metalic  
12. Umplutura conform specialitatii, "Terasamente c.i."  
13. Umplutura conform specialitatii, "Terasamente c.i."  
14. Gabioane, protejate cu geotextil, h=40cm  
15. Satelele din gabioane, h=30cm  
16. Umplutura din piatra bruta, grosime 20cm  
17. Umplutura din amocamente, g=50-100kg/buc.  
18. Linia terenului existent

LEGEND:  
1. R.c. bored piles, D=1200mm, made of r.c. class C25/30  
2. Leaning concrete, class C12/15  
3. R.c. retaining wall, class C30/37  
4. Leaning concrete, class C30/37  
5. PEHD tube weeper, h=150mm, split at the top side  
6. #110mm PEHD tube weeper  
7. Geo-drain on the backside of the retaining wall  
8. Geo-drain on the backside of the retaining wall  
9. Weepers applied on the backside of the retaining wall  
10. Separation joint made of extruded polystyrene, 2cm thickness  
11. Metallic guardrail  
12. Filling according to specialty "Railway embankments"  
13. Filling according to specialty "Railway embankments"  
14. Gabion mattresses, h=40cm  
15. Gabion mattresses, h=30cm  
16. Filling made of rubble stone, 20cm thickness  
17. Filling made of riprap, g=50-100kg/buc.  
18. Border of the existing land

Verificator / Export Checker / Expert  
Semnatura  
Report / Expertiza

European Investment Bank  
MINISTERUL TRANSPORTURILOR  
BENEFICIAR / BENEFICIARY :  
COMPANIA NATIONALA DE CAI FERATE "CFR" SA

PROIECTANT / DESIGNER: POYRY  
Data Date  
01.2013  
01.2013

Subcontractant / Subcontractor  
MOTOP  
Aprobat Approved  
Verificat Verified  
Checkat Checked  
Sef de echipa Team leader  
Expert Chele Key Expert  
C. Teodorescu  
L. Marculescu

Scara / Scale 1:100  
Revizia / Revision 1/16.05.2013  
Cod desen / Drawing Code PT.02.01.15.CO.201  
Nr. / No 02/04

