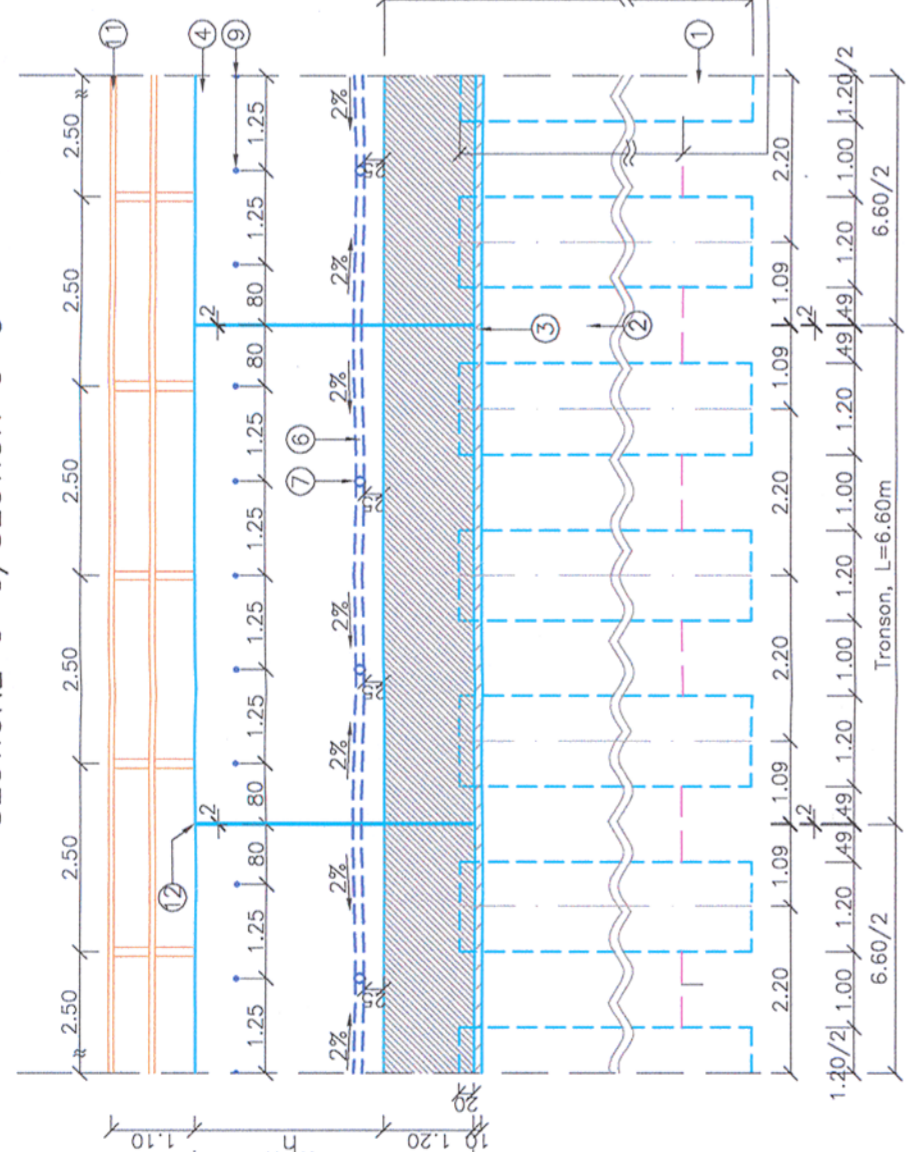


PLAN GENERAL 3

Zid de sprijin din beton armat fundat pe piloți secanti Ø1200  
Aplicabil pe partea stanga a c.f.

scara 1:100

SECTIUNE C-C/SECTION C-C



Nivelul râului Mures la data realizării ridicării topo/ Level of Mures river on the date of the topographic survey

Fisa pilonului din beton simplu "F2" / Sheet of the plain concrete pile "F2"

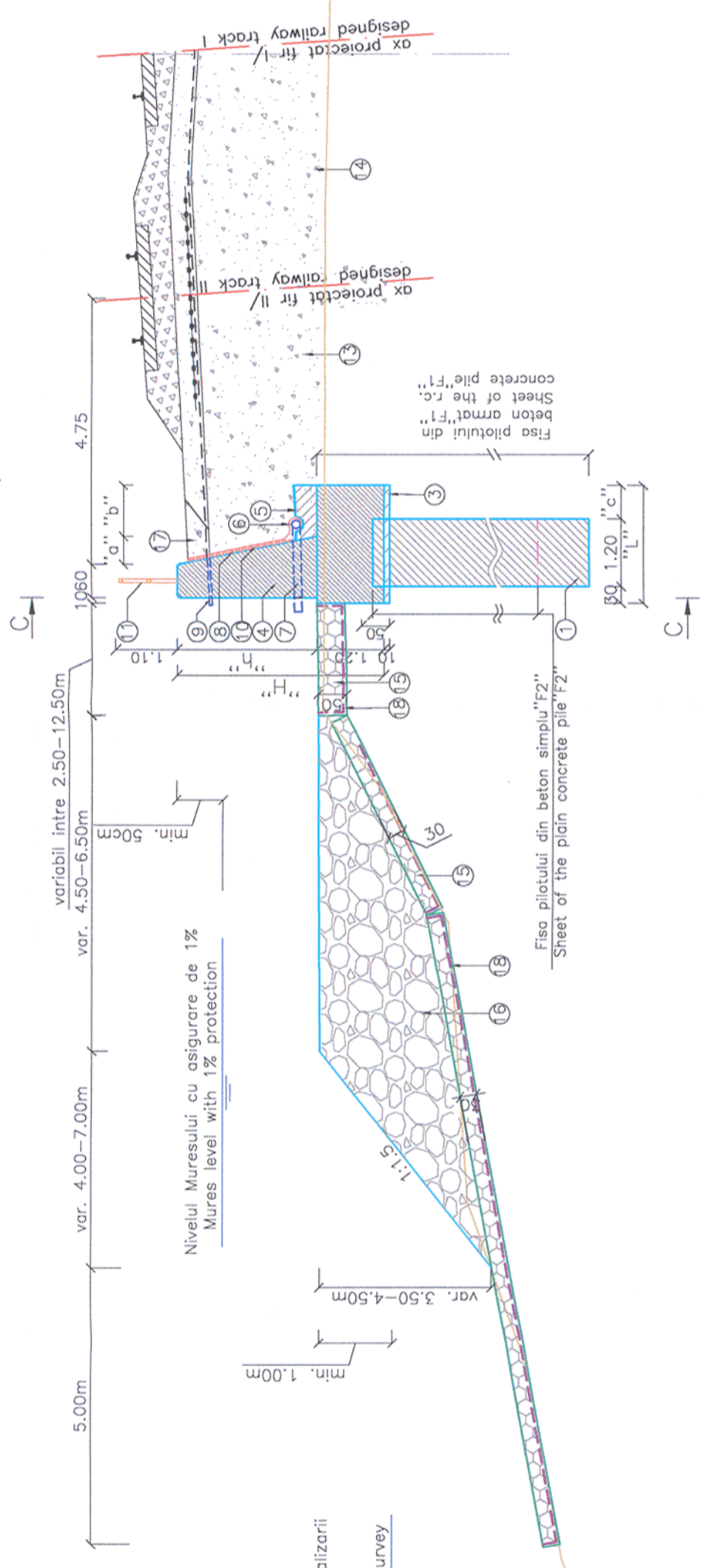
Fisa pilonului din beton simplu "F3" / Sheet of the plain concrete pile "F3"

GENERAL LAYOUT 3

Retaining wall made of r.c. with foundation on secant piles Ø1200  
Applicable on the left side of the railway track

scara 1:100

SECTIUNE TRANSVERSALA B-B/CROSS SECTION B-B



Nivelul râului Mures la data realizării ridicării topo/ Level of Mures river on the date of the topographic survey

Fisa pilonului din beton simplu "F2" / Sheet of the plain concrete pile "F2"

Fisa pilonului din beton simplu "F3" / Sheet of the plain concrete pile "F3"

ELEMENTELE GEOMETRICE SI APLICABILITATEA ZIDULUI DE SPRUJIN DIN BETON ARMAT FUNDAT PE PILOTI FORATI SECANTI

Nr. crt/ No.	Pozitia fata de axa c.f./ Position against the railway axis	Aplicabilitate/ Applicability	Dimensiuni (m) / Dimensions (m)								
			h	L	a	b	c	F1	F2		
1	stanga/left	km 546+660.62	152.26	2.50	1.20	2.10	0.50	0.90	0.60	14.00	8.00
2	stanga/left	km 546+812.88	13.24	2.50	1.20	2.10	0.50	0.90	0.60	14.00	8.00
			Lungime totala/ Total length								
			165.50								

Nota 1:  
1. Dispozitia generala are ca obiect detaliera si aplicabilitatea lucrarilor de consolidare proiectate.  
2. Elementele geometrice ale terasamentului c.f., dimensiunile reptelor de intrare cat si nivelul decaparilor fac obiectul specialitatii Suprastructura si Terasamente c.f. Acestea se regasesc in cadrul aceluasi proiect in documentatii separate.  
3. Piloții forati @ avand Ø1200 se vor realiza din beton simplu clasa C25/30, XF1+XC2+XA1, sort 0-16mm.  
4. Dimensiunile sprijinirii cu coloane forate Ø1200, s-au stabilit pe baza informatiilor din studiul geotehnic. In cazul in care in timpul executiei forajului pentru realizarea pilonilor Ø1200 se vor constata neconcordante cu datele initiale (varietati ale straturilor) se va convoca atat proiectantul cat si geotehnicianul pentru adaptarea lucrarilor la situatia existenta in teren.  
5. Pe zonele unde lucrarile de consolidare se gasec la limita albiei minore, la realizarea drumului tehnologic, pentru asigurarea unei latimi minime de 2.50m a acestuia, se va realiza o umplutura cu armamente peste saltea cu gabioane din baza.  
6. Pozitia barocamnelor din PVC Ø50mm, de la portea superioara a zidului de sprijin din beton armat este prevazuta in plansele care detaliaza elevatia zidului de sprijin din beton armat.

Nota 2:  
1. The object of the general layout is to detail and apply the designed consolidation works.  
2. The geometric elements of the railway embankment, the dimensions of the benches and also the level of the scraping but in different documentations.  
3. The bored @ piles with Ø1200 will be made of plain concrete class C25/30, XF1+XC2+XA1, sort 0-16mm.  
4. The dimensions of propping-up with drilled columns of Ø1200, were decided based on the information within the geotechnical study. If during execution of boring necessary to execute the Ø1200 piles, incongruities will be noticed as regards the initial data (variations of layers), both the designer and the geo-technician will be convoked to adapt the works to the existing site situation.  
5. A riprap filling will be executed over the base gabion mattress when executing the technological road in view of ensuring a minimum width of 2.50m, where the consolidation works are at the border of the minor riverbed.  
6. The position of the PVC weepers Ø50mm from the top side of the reinforced concrete retaining wall is provided in the drawings detailing the retaining wall elevation.

LEGENDA:

- Piloți forati Ø1200, din beton armat clasa C25/30
- Piloți forati Ø1200 din beton simplu clasa C25/30
- Beton de egalizare, clasa C12/15
- Zid de sprijin din beton armat, clasa C30/37
- Fundatie dren, clasa C16/20
- Tub din PEHD Ø150mm acurat la portea superioara
- Barbacana din tub PVC Ø110mm
- Geodren pe spatetele zidului de sprijin
- Barbacana din PVC Ø50mm
- Hidroizolatie aplicata pe spatetele zidului de sprijin
- Rost de separatie din polistiren extrudat de grosime 2 cm
- Umplutura conform specialitate "Terasamente c.f."
- Linia terenului existent
- Satiea din gabioane
- Umplutura din armamente, G=50-1000kg/buc
- Geotextil

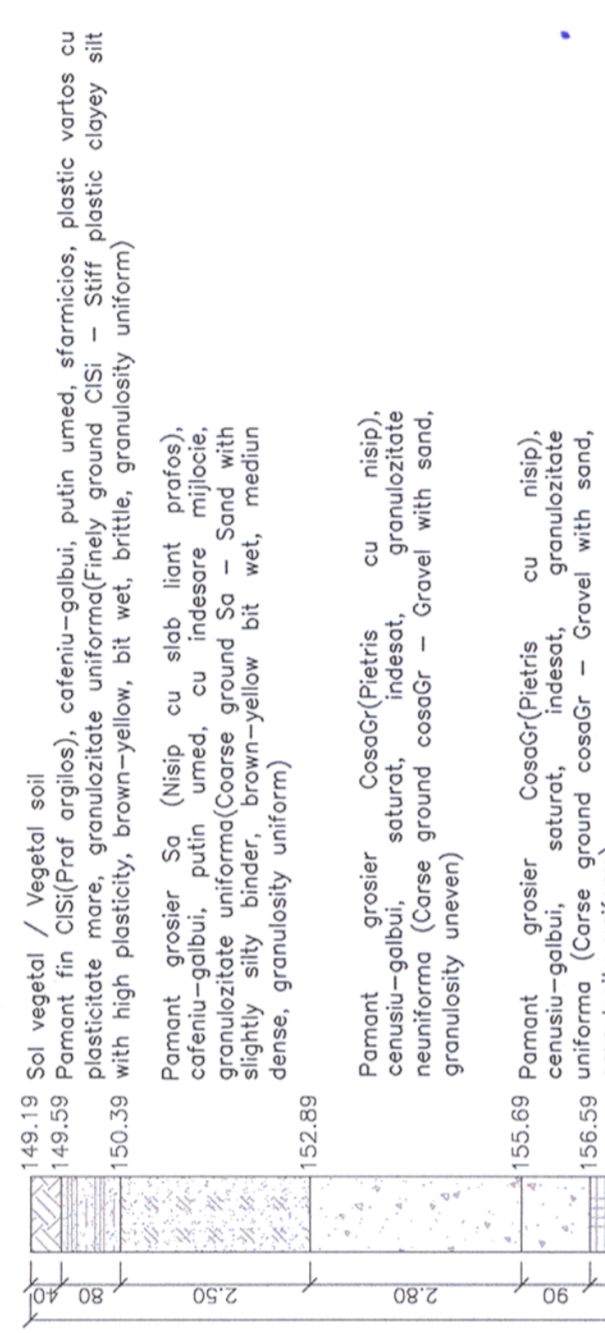
LEGENDA:

- Bored piles Ø1200, made of r.c. class C25/30
- Bored piles Ø1200 made of plain concrete class C25/30
- Lean concrete, class C12/15
- Retaining wall made of r.c. class C30/37
- Drain foundation, class C16/20
- Ø150mm PEHD tube perforated at the top side
- Weeper made of Ø110mm PVC tube
- Geo-dren on the back side of the retaining wall
- Waterproofing applied on the back side of the retaining wall
- Metallic guard-rail
- The polystyrene separation joint has a thickness of 2 cm
- Filling according to speciality "Railway embankments"
- Border line of the existing land
- Gabion mattress
- Riprap filling, G=50-1000kg/buc
- Filling made of drainage material
- Geo-textile

FISA FORAULUI (BOREHOLE LOG) nr. F2 Ø7

Pozitia/Position: Km 546+700 proiectat/proiect

X 504143.309/Y 281108.115



149.19 Sol vegetal / Vegetal soil  
149.59 Pomant fin (Praf argilos), cateniu-gabui, putin umed, sfermicos, plastic vartos cu plasticitate mare, granulozitate uniforma (Finely ground CSl - Stiff plastic clayey silt)  
150.39 Pomant cu plasticitate inalta, brun-galben, bit wet, brittle, granulozitate uniforma (Pomant grosier cenusu-gabui, saturat, indosat, granulozitate granulozitate unevn)  
152.89 Pomant grosier cenusu-gabui, saturat, indosat, granulozitate granulozitate unevn  
155.69 Pomant grosier cenusu-gabui, saturat, indosat, granulozitate granulozitate unevn  
156.59 Pomant grosier cenusu-gabui, saturat, indosat, granulozitate granulozitate unevn

Reca compacta (Compact rock)



Acest plan anuleaza si inlocuieste versiunea anterioara.  
This plan cancels and replaces previous version.

Verificator / Expert Checker/Expert	Cerinta Requirement	Semnatura Signature	Referinta Report / Expertise
European Investment Bank		MINISTERUL TRANSPORTURILOR	
		BENEFICIAR / BENEFICIARY :	
		COMPANIA NATIONALA DE CAI FERATE "CFR" SA	
PROIECTANT / DESIGNER:		PÖYRY	
Aprobat / Approved	Şef de echipă / Team leader	C. Teodorescu	01.2013
Verificat / Checked	Expert Cheie / Key Expert	L. Mărculescu	01.2013
Subcontractant / Subcontractor		VIOTOP	
Aprobat / Approved	Adjunct Şef de echipă / Deputy Team leader	A.M. Baicu	01.2013
Proiectat / Designed	Inginer / Engineer	M. Ursu	01.2013
Denumire desen / Drawing name:		INTERVAL VĂRĂDIA - SĂVĂRŞIN Plan general 3/ General layout 3	
Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1/16.05.2013	PT.02.01.13.CO.202	03/11

Nota 2  
1. Daca se constata diferente mari foto de situatia proiectata, in special erozuni, si modificari ale formei, si pantei erozuni, albiel minore, se va institui proiectantului pentru a doborâ la teren a solului.  
2. Despre toate dupa fiecare vizitara se va verifica starea lucrurilor, precum si integritatea saltelelor, dupa caz luându-se masurile de remediere care se impun.  
Note 2  
1. If major differences are noticed as compared to the designed situation, mainly erosions and modifications of shape and slope of the minor riverbed, the Designer will be informed for adopting the site to the designed solutions.  
2. 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.

LEGENDA BETOANELOR / CONCRETE LEGEND

	Equilisation concrete class C12/15, X0, sort 0-31mm
	Beton simplu clasa C16/20, XC2, sort 0-31mm
	Beton armat clasa C25/30, XF1+XC2+XA1, sort 0-16mm
	Reinforced concrete class C30/37, XF1+XC4, sort 0-31mm