

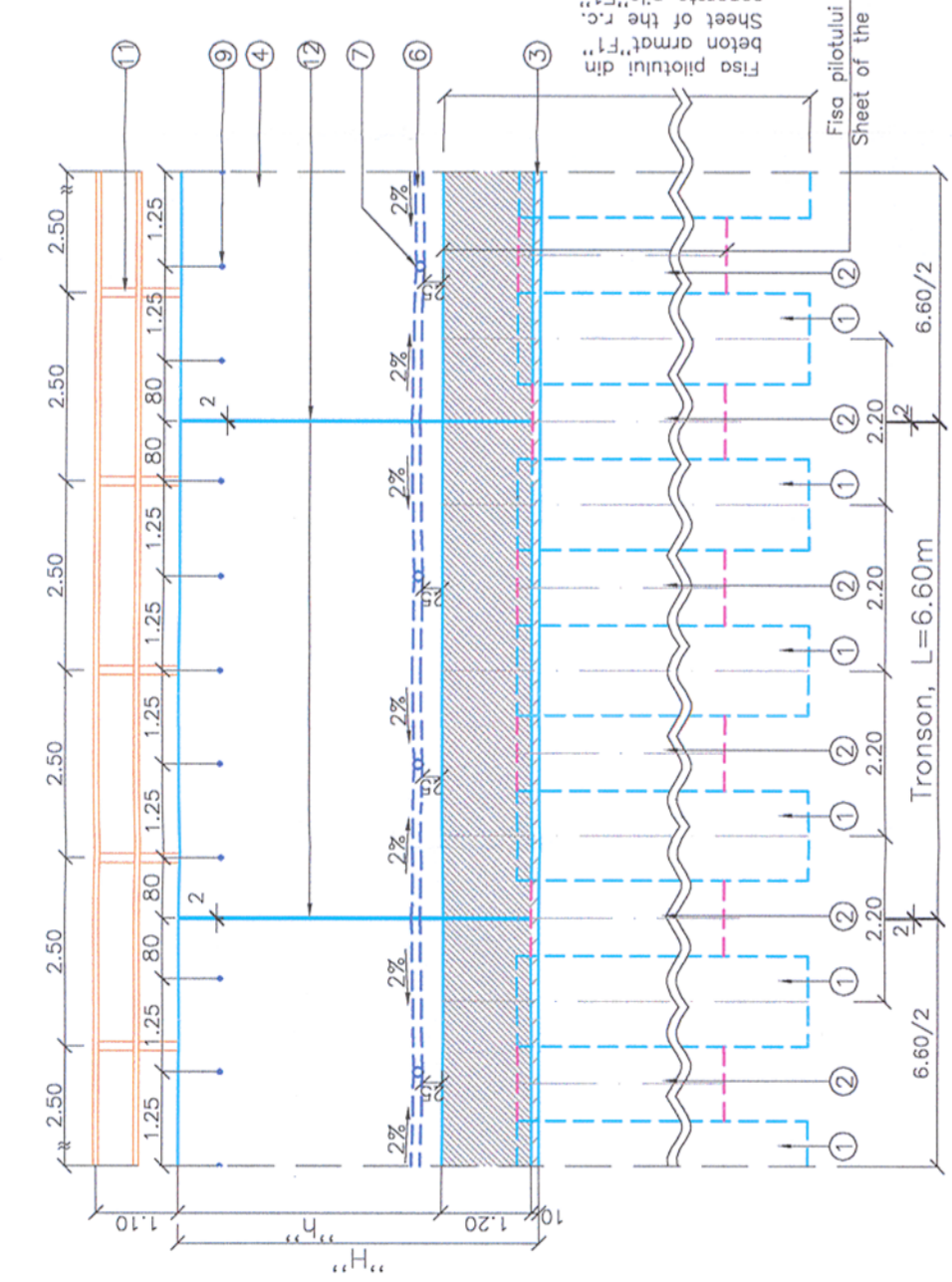
PLAN GENERAL 2
Zid de sprijin din beton armat fundat pe piloti secanti D=1200mm
Aplicabil pe partea stanga a c.f.

GENERAL LAYOUT 2
Retaining wall made of r.c. with foundation on secant piles D=1200mm
Applicable on the left side of the railway track

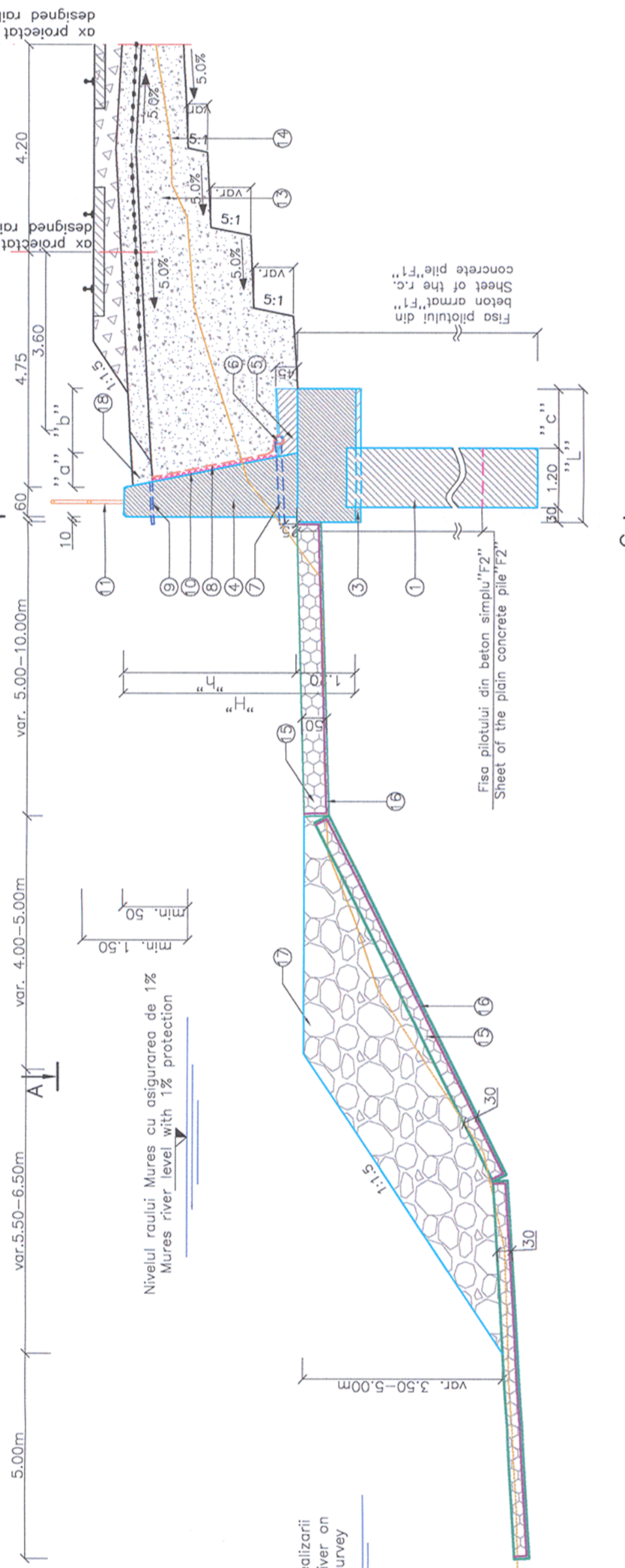
scara 1:100

scale 1:100

SECTIUNE C-C/SECTION C-C



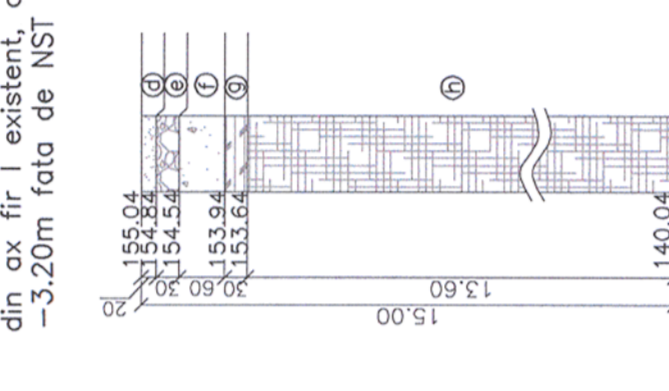
SECTIUNE TRANSVERSALA B-B/CROSS SECTION B-B



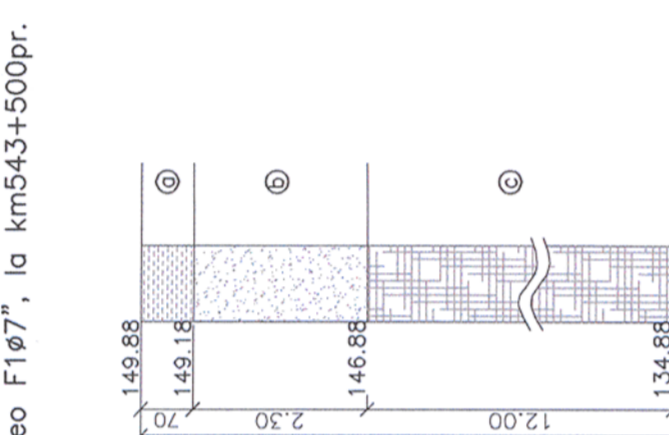
- LEGENDA:**
- Piloti forati Ø1200, din beton armat clasa C25/30
 - Beton de egalizare, clasa C12/15
 - Zid de sprijin din beton armat, clasa C30/37
 - Zid de egalizare, clasa C12/15
 - Zid de sprijin din beton armat, clasa C30/37
 - Tundare PE din clasa C16/20
 - Wepers drenaj din tub PVC Ø10mm
 - Barbacana din PVC Ø50mm
 - Geodren pe spatele zidului de sprijin
 - Barbacana din PVC Ø50mm
 - Wepers drenaj pe spatele zidului de sprijin
 - Waterproofing aplicata pe spatele zidului de sprijin
 - Parapet metalic
 - Rost de separatie din polistiren extrudat de grosime 2 cm
 - Linia terenului existent
 - Umplutura din gabioane
 - Geotextil
 - Umplutura din anrocamente, G=50-1000kg/buc
 - Umplutura din material drenant

- LEGENDA:**
- Bored piles Ø1200, made of r.c. class C25/30
 - Leveling concrete, class C12/15
 - Retaining wall made of r.c. class C30/37
 - Leveling concrete, class C12/15
 - Retaining wall made of r.c. class C30/37
 - Drainage PE class C16/20
 - Wepers drainage tube PVC Ø10mm
 - Gabion made of PVC Ø50mm
 - Geotextile on the back side of the retaining wall
 - Gabion made of PVC Ø50mm
 - Wepers drainage on the back side of the retaining wall
 - Waterproofing applied on the back side of the retaining wall
 - Metallic guard-rail
 - 2 cm thick expanded polystyrene separation joint
 - Existing ground line
 - Gabion filling
 - 50-1000kg/buc geotextile
 - Drainage material

Foraj geo F1Ø7", la km543+800pr.,
din ax fir I existent, cat: -3,20m rata de NST fir I



Foraj geo F1Ø7", la km543+500pr.



NOTA
Sallelele din gabioane se vor proteja la partea superioara prin torcetare in doua straturi, cu grosimea totala de 5cm. Lestarea sallelelor cu anrocamente se va face doar pe zonele unde sallelele din gabioane sunt prevazute pe totuluzi albiei minore.
NOTE
Gabion mattresses will be protected at the top side through guniting in two layers, having a total thickness of 5 cm. Bolasting mattress rockfill will only be on areas where gabion mattresses are provided on mminor riverbed slope

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

Verificator / Expert Checker / Expert	Semnatura Signature
Referința / Expertiza Report / Expertise	Semnatura Signature

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER :

PÖYRY

PROIECTANT / DESIGNER :

C. Teodorescu

L. Măroulescu

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Verificat / Checked	Expert Chele / Key Expert	01.2013
Subcontractant / Subcontractor		
Aprobat / Approved	Adjunct Seft de echipa / Deputy Team leader	01.2013
Proiectat / Designed	Inginer / Engineer	01.2013

Denumire desen / Drawing name:
INTERVAL VĂRĂDIA - SĂVARȘIN
Plan general 2/ General layout 2

NOTA:
Dimensiunile lucrarilor de sprijinire pe piloti Ø1200mm s-a stabilit pe baza informatiilor din studiul geotehnic, respectiv a tarajelor de la km 543+500 si 543+800 proiectat, astfel incat incadrarea pilotilor sa se realizeze in stratul de gresie cenusie mediterana minima 4 diametre.
Daca in momentul realizarii lucrarilor se constata vanzarii ale nivelului stratului de gresie cenusie mediterana (ex. existenta stratului de gresie la nivelul inferior a fundatiei zidului), se va consulta proiectantul si geotehnicianul pentru schimbarea tipului de fundare (directa sau indirecta).
Prin urmare, fisul pilotului se va stabili in momentul executiei in functie de stratificatia reala a terenului.
NOTE:
The dimensions of the propping-up works on piles Ø1200mm were determined based on the information available in the geo-technical study, respectively borings from designed 543+500 and 543+800, so that the piles are embedded into the non-altered grey color sandstone layer for minimum 4 diameters.
If during execution of works, variations of the non-altered grey color sandstone layer are noticed (e.g. presence of the sandstone layer at the lower level of the wall foundation), the designer and geo-technician will be consulted to modify the type of foundation (direct or indirect).
Therefore, the boring sheet will be decided at the execution depending on the real stratification of the soil.

PROIECTANT / DESIGNER :

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Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:100	1/16.05.2013	PT.02.01.13.CO.201	02/11

LEGENDA BETOANELOR / CONCRETE LEGEND

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

VEDERE IN PLAN A-A/PLAN VIEW A-A

Plan view diagram of the retaining wall foundation. It shows the layout of the piles, reinforcement bars, and concrete fill. Dimensions include pile diameter (1.20m), pile length (6.60/2m), and various offsets.

VEDERE IN PLAN B-B/PLAN VIEW B-B

Plan view diagram of the retaining wall foundation. It shows the layout of the piles, reinforcement bars, and concrete fill. Dimensions include pile diameter (1.20m), pile length (6.60/2m), and various offsets.

NOTA 1:
1. Dispozitia generala are ca obiect detalierea si aplicabilitatea lucrarilor de consolidare proiectate.
2. Elementele geometrice ale terosamentului c.f., dimensiunile treptelor de intrarire cat si nivelul decaparii fac obiectul specialitatii Suprastructura si Terosamente c.f. Acestea se regasesc in cadrul aceluasi proiect in documentatii separate.
3. Pozitia de executie din beton armat de la partea superioara a zidului de sprijin din beton armat este prevazuta in plansele care detaliaza elevatia zidului de sprijin.
4. Piloti forati (2) avand Ø1200mm mm se vor realiza din beton simplu clasa C25/30, XF1, XC2, XA1
5. Piloti forati (2) Ø1200, din beton simplu clasa C25/30 se vor incadra minim 50cm in stratul de gresie cenusie mediterana.
6. Daca se constata diferente mari fata de situatia proiectata, in special eroziuni si modificari ale formei si pozitiei taluzului albiei minore, se va instiinta Proiectantul pentru doptarea la teren a solutiilor proiectate.
7. Deasemenea dupa fiecare vizita se va verifica starea lucrarilor precum si integritatea sagelelor, dupa caz, luandu-se masurile de remediere care se impun.
NOTE 1:
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 are the object of specialty Railway Superstructure and Embankments. They can be found within the same design but in different documentations.
3. 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.
4. The bored piles (2) with Ø1200mm will be made of plain concrete class C25/30, XF1, XC2, XA1
5. Bored piles (2) Ø1200 made of plain concrete class C25/30 will be embedded for minimum 50 cm into the grey color sandstone layer.
6. 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.
7. 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.