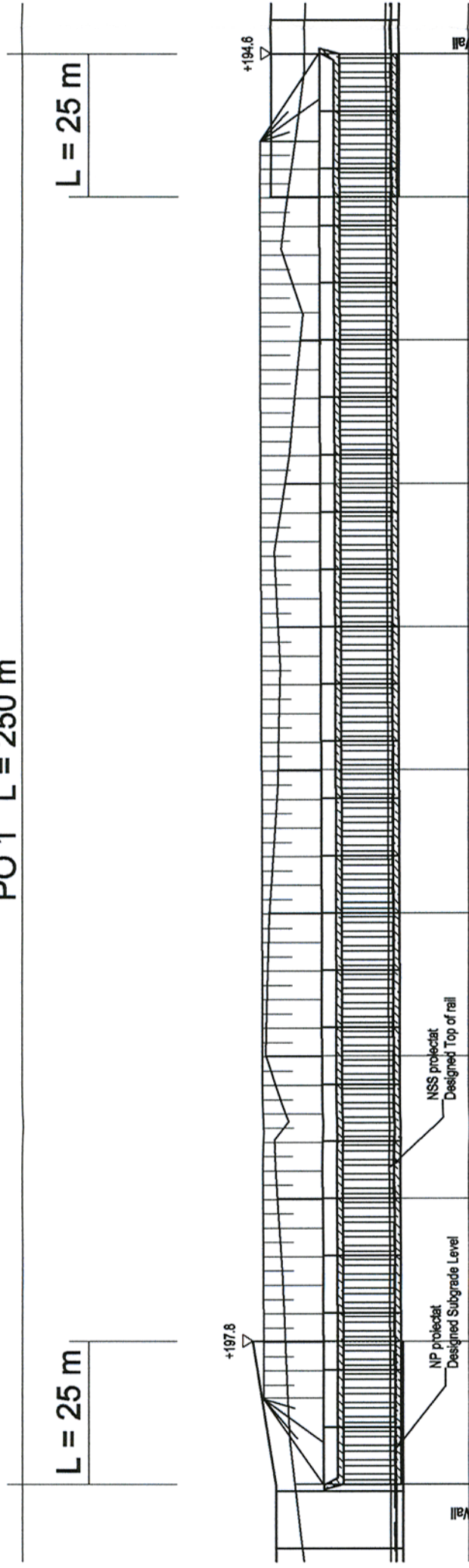


Longitudinal Section Gallery

M=1:1000

PO 1 L = 250 m



Profil longitudinal - Firul II
Longitudinal profile - Track II

Decalitati % Lungimi (m)	Gradient % Lengths (m)	+2.993 % 1944.527 m	
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical distances (m) between designed NSS and existing NSS		
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of Rail - designed line (in curves on inner rail)	172.915 173.965	173.214 173.964
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	172.990 173.740	173.214 173.964
Nivel superior sina existenta sau nivel teren existent	Existing Top of Rail or existing terrain level	172.989 174.039	173.289 174.039
Kilometraj	Chainage	425.000	500.000
		525.000	575.000
		600.000	625.000
		650.000	675.000

Diagrama curbunilor
Scara=1:1000 - 5/R

Curvature diagram
Scara=1:1000 - 5/R

Diagrama suprainaltailor
M=1:1000 - 0.1 x h
sina din stanga
sina din dreapta

Superelevation diagram
M=1:1000 - 0.1 x h

NOTE:

- This plan was prepared based on the following data:
 - topographic survey; geotechnical study; technical expertise; data collected on the site;
- In order to make the gallery, the following works will be carried-out:
 - Excavation pit from top to floor and supporting the slopes with shotcrete and micropiles, drilling of drainage openings
 - Fitting of base foundation on the bottom
 - Construct of the gallery, waterproofing of the visible concrete areas
 - Cover the gallery
 - Mounting of the handrails
 - Recultivation of the upper slope
- During the execution, the provisions of the following documents will be strictly observed:
 - Practice code for the execution of works made of concrete, reinforced concrete and prestressed concrete, indicative NE 012-2007;
 - Practice code for the execution of the precast elements made of concrete, reinforced concrete and prestressed concrete, indicative NE 013-2002;
 - Normative for quality checking and taking over of afferent construction works, indicative C56-85
 - The Technical Specifications.
- Complying with H.G. 766/1997 this structure belongs to category "B" of importance.
- The project will be verified at A.4, B.2 and D.2 requirements.

OBSERVATE:

- Pe toate suprafețele din beton în contact cu pământul se vor aplica 2 straturi de emulsie din bitum filerizat.
- Protectia betonata a abie se va executa cu rosturi conform C.S.

ATTENTION:

- All concrete surfaces in contact with soil will be coated with 2 bituminous layers.
- The concrete protection of the riverbed will be executed with joints according with technical specifications.

NOTA:

Pentru trasarea lucrarilor se vor folosi ca repere în plan axele liniilor c.f. iar ca repere de nivel cota NSS(Pr.).

NOTA:

For setting out the works, the axes of the railway lines will be utilized as reference marks in plan and the NSS(Dsg.) (top of the rail).

Verificator / Expert Checker / Expert			
Cerinta Requirement			
Semnatura Signature			
Referat / Expertiza Report / Expertise			
European Investment Bank	MINISTERUL TRANSPORTURILOR		
	BENEFICIAR / BENEFICIARY :		
	COMPANIA NATIONALA DE CAI FERATE "CFR" SA		

PROIECTANT / DESIGNER:



PÖYRY

Semnatura
Signature

Data
Date

Aprobat Approved	Sef de echipa Team leader	C. Teodorescu	06/2013
Verificat Checked	Expert Cheie Key Expert	M. Diegmann	06/2013
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	J. Werfling	06/2013
Proiectat Designed	Inginer Engineer	D. Ciotarnel	06/2013

"Reabilitarea liniei c.f. Frontiera - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h"
Tronsoanel 2: km 614-Gurasada

"Rehabilitation of the Railway Line Border - Curtici - Simeria, component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"
Section 2 : km 614-Gurasada

Denumire desen / Drawing name:

LONGITUDINAL SECTION GALLERY
km 523+425 - km 523+675

Scara / Scale
1:1000

Cod desen / Drawing Code
PO 1.2

Nr / No
PO 1