



Regular Cross
Section H = 19.00 m - 22.50 m
M=1:30

Fir II / Track II

Legend:

1. Leveling concrete, class C12/15
2. Retaining wall foundation made of reinforced concrete, class C 30/37; XA1, XC4, XF2, watertight (WU)
3. Header shell reinforced concrete, class C 30/37; XA1, XC4, XF2, watertight (WU)
4. Weeper made of PVC Ø50mm
5. Drain foundation made of plain concrete, class 16/20
6. PEHD tube Ø150mm, slitted or drilled at the upper part (120°)
7. Corner region filling made of gravel sort 7/31
8. 2-Layers Hydraway 2000, width 18"
9. Geotextile with separation role (1000g/m²) weeper made of PVC Ø110mm
10. Shotcrete shell made of reinforced concrete C25/30, XF1
11. Boreholes for drainage shotcrete shell, Ø50mm, 2pieces/m², arrangement in vertical lines
12. Permanent rocknails, BST 500S, GEWI, boreholediameter 150mm, a=1,50m, b=1,50m (micropiles)
13. Even bed of shotcrete beside Hydraway
14. Railing made of steel with corrosion protection
15. Drainage trough, precast concrete, install in mortar bed
16. Vegetation layer dz=10cm
17. Coconut mat with grass seed and wooden dowels
18. Concealed joint placed at a height of 6m
- 19.



MINISTERUL
TRANSPORTURILOR

BENEFICIAR / BENEFICIARY:



COMPANIA NATIONALA DE CAI FERATE "CFR" SA

PROIECTANT / DESIGNER:



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

Cerinta

Requirement

Semnatura

Signature

Referat / Expertiza

Report / Expertise



Data

Date

Semnatura

Signature

06/2013	C. Teodorescu
06/2013	M. Diegmann
06/2013	J. Werfling
06/2013	D. Ciotarnel

"Reabilitarea liniei c.t. Frontiera Simeria, parte componentă a coridoarelor IV Pan - European pentru transportul feroviar cu viteză maximă de 160 km/h"
"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

Project 91
35311.1

Denumire desen / Drawing name:
RETAINING WALLS, REGULAR CROSS
SECTION H = 19.00 m to 22.50 m

Scara / Scale

1:50

Cod desen / Drawing Code

RWC 5

Nr / No

RWC 5