STATIA VARADIA
VARADIA STATION

Cotele terenului de baza
Ground level considered
n = 4.80m

KM = 553+896.113
NSS = 148.916

NSS proiectat
Designed Top of rail

NP proiectat
Designed Subgrade Level

Nivel teren existent
Existing Terrain Level

PORT PRODUCT
KM = 553+952.151
NSS = 151.210
Rv = 10000.000
Tv = 17.690
Br = 0.018

143.755

Nivelul Muntenei
Mean sea level by RO
Marea Neagra

STATIA BARZAVA
BARZAVA STATION

KM = 554+610.151
NSS = 151.210
Rv = 10000.000
Tv = 17.008
Br = -0.015

Profil longitudinal - Firul II
Longitudinal profile -Track II

Declivitati ‰ Lungimi (m)	Gradient ‰ Lengths (m)
Diferente pe verticala (m) - cota proiectata - cota existenta (NSS)	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)
Nivel platforma c.f. - linia proiectata	Subgrade level designed line
Nivel superior sina existenta sau nivel teren existent	Existing top of rail or existing terrain level
Kilometraj	Kilometer position

-0.461 ‰
2678.738 m

-0.037 ‰
237.238 m

+3.920 ‰
656.000 m

+3.920 ‰
656.000 m

R
330.000 m

Diagrama curburilor
Scara H 1:5000 - Scara V 1:5000

Curvature diagram
Scale H 1:5000 - Scale V 1:5000

Diagrama suprainaltarilor
Scara H 1:5000 - Scara V 1:1000

Superelevation diagram
Scale H 1:5000 - Scale V 1:1000

LEGENDA / LEGEND

NSS nivel superior sina proiectat
designed top of rail

AR aliniament-racordare, punctul de trecere din aliniament in curba parabolica
alignment-transition, transition point from straight alignment to parabolic curve

RC racordare-curba, punctul de trecere din curba de racordare parabolica in curba circulara
transition-curve, transition point from parabolic junction curve to round curve

CR curba-racordare, punctul de trecere din curba circulara in curba de racordare parabolica
curve-transition, transition point from round curve to parabolic junction curve

RA racordare-aliniament, punctul de trecere din curba de racordare parabolica in aliniament
transition-alignment, transition point from parabolic junction curve to alignment

Ts tangenta de intrare
incoming tangent

Te tangenta de iesire
outgoing tangent

TC tangenta comuna
common tangent

Rv raza curbei de racordare circulare din plan vertical, in m
radius of round junction curve from vertical plan, in m

Cv lungimea curbei de racordare circulare din plan vertical, in m
length of round junction curve from vertical plan, in m

Br bisectoarea curbei de racordare din plan vertical, in m
bisector of junction curve from vertical plan, in m

Tv tangenta curbei cu sageata Tv
tangent of curve with radius Tv

CT • Cota fund sub drum / Pipe bottom of collecting pipeline
Dh • Diametru normal tub de drum / Nominal diameter of collecting pipeline
Cn • Cota capac camin / Manhole top level
CTi Cote capace camine / Manhole top levels
Pipe bottom of the collecting pipeline entering the manhole
CTs • Cota fund sub drum iesire
Pipe bottom of the collecting pipeline exiting the manhole

Camin/Manhole

Camin cu schimbare de panta/Manhole with change of slope

Camin cu schimbare de diametru sau diametru si panta/ Manhole with change of DN or DN and slope

Camin/Manhole

Tub de transport / Transport pipe

Dren / Drain pipe

Fund sand de beton / Concrete ditch bottom

Acest plan anuleaza si inlocuieste planul nr. PT.02.01.11.TS.202 - 04/15
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.202 - 04/15
prepared on 01.2013

Verificator / Expert Checker / Expert

Comisia Recunoastere

Semnătura Signature

Refferal / Expertiza Raport / Expertise

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY:

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PÖYRY

			Data Date	Semnătura Signature
Aprobat Approved	Şef de echip;ă Team leader	C. Teodorescu	01.2013	
Verificat Checked	Expert Cheie Key Expert	L. Mărculescu	01.2013	
Subcontractant / Subcontractor				
Aprobat Approved	Adjunct Şef de echip;ă Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer	E. Gonea	01.2013	

"Reabilitarea liniei c.f. Frontiera - Curtici - Simeria, parte componenta a coridorului IV Pan - European pentru circulatia trenurilor cu viteza maxima de 160 km/h"
Tronsonul 2-B : cap Y Bârzava - cap Y Iteu
"Rehabilitation of the Railway Line Border - Curtici - Simeria , component Part of the IV Pan - European Corridor for the circulation of trains with a maximum speed of 160 km/h"
Section 2-B : cap Y Bârzava - end Y Iteu

Project Nr. 35311.1

Faza / Phase: PTh +CS / TD + TS

Denumire desen / Drawing name:
Profil longitudinal - Interval Varădia - Bârzava -Firul II;
Varădia - Bârzava Section Longitudinal Profile -Track II
km 553+400 - km 554+600

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:5000 1:1000	1/18.05.2013	PT.02.01.11.SU.202	04/15