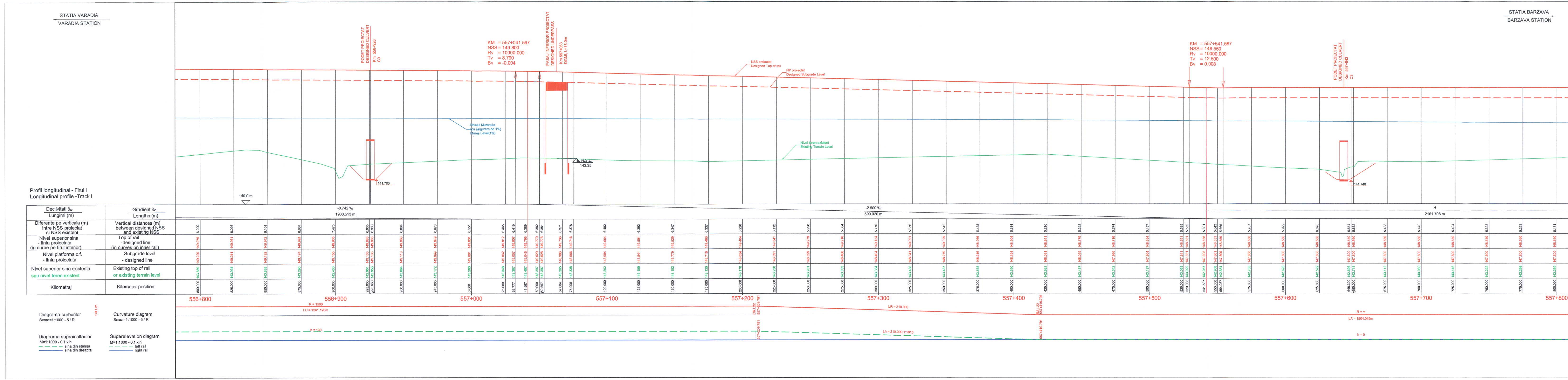
STATIA VARADIA
VARADIA STATION
STATIA BARZAVA
BARZAVA STATION
Profil longitudinal - Firul I
Longitudinal profile -Track I
Declivitati ‰ / Lungimi (m) — Gradient ‰ / Lengths (m)
Diferente pe verticala (m) intre NSS proiectat si NSS existent — Vertical distances (m) between designed NSS and existing NSS
Nivel superior sina - linia proiectata (in curbe pe firul interior) — Top of rail -designed line (in curves on inner rail)
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
Diagrama curburilor Scara=1:1000 - 5 / R — Curvature diagram Scara=1:1000 - 5 / R
Diagrama supraInaltarilor M=1:1000 - 0.1 x h sina din stanga sina din dreapta — Superelevation diagram M=1:1000 - 0.1 x h left rail right rail
CR 1:21
PODET PROIECTAT DESIGNED CULVERT Km 556+926 C3
KM = 557+041.567 NSS = 149.800 Rv = 10000.000 Tv = 8.790 Bv = -0.004
PASAJ INFERIOR PROIECTAT DESIGNED UNDERPASS Km 557+063 DGMI, L=16.0m
Nivelul Muresului (cu asigurare de 1%) Mures Level(1%)
N.S.D. 143.35
141.780
NSS proiectat Designed Top of rail
NP proiectat Designed Subgrade Level
Nivel teren existent Existing Terrain Level
KM = 557+541.587 NSS = 148.550 Rv = 10000.000 Tv = 12.500 Bv = 0.008
PODET PROIECTAT DESIGNED CULVERT Km 557+643 C3
141.740
-0.742 ‰ 1900.513 m
-2.000 ‰ 300.020 m
H 2161.708 m
556+800
556+900
557+000
557+100
557+200
557+300
557+400
557+500
557+600
557+700
557+800

LEGENDA / LEGEND

NSS nivel superior sina proiectat
designed top of rail
AR aliniament-racordare, punctul de trecere din aliniament in curba parabolica
alignment-junction, transition point from alignment to parabolic curve
RC racordare-curba, punctul de trecere din curba de racordare parabolica in curba circulara
junction-curve, transition point from parabolic junction curve to round curve
CR curba-racordare, punctul de trecere din cutrba circulara in curba de racordare parabolica
curve-junction, transition point from round curve to parabolic junction curve
RA racordare-aliniament, punctul de trecere din curba de racordare parabolica in aliniament
junction-alignment, transition point from parabolic junction curve to alignment
Ti tangenta de intrare
ingoing 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
Bv bisectoarea curbei de racordare din plan vertical, in m
bisector of junction curve from vertical plan, in m
Tv tangenta curbei cu raza Rv
tangent of curve with radius Rv

CT = Cota fund tub dren / Pipe bottom of collecting pipeline
DN = Diametru nominal tub de dren / Nominal diameter of collecting pipeline
Cc = Cota capac camin / Manhole top level
CTi = Cota fund tub dren intrare/ Pipe bottom of the collecting pipeline entering the manhole
CTo = Cota fund tub dren 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 sant de beton / Concrete ditch bottom

Acest plan anuleaza si inlocuieste planul nr. PT.02.01.11.TS.201 - 07/15
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.201 - 07/15
prepared on 01.2013

Verificator / Expert Checker / Expert	Cerința Requirement	Semnătura Signature	Referat / Expertiza Report / Expertise
Nr. 05985	Nr. 1563		Nr. 06628

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER:		PÖYRY	Data Date	Semnătura Signature
Aprobat Approved	Șef de echipă Team leader	C. Teodorescu	01.2013	
Verificat Checked	Expert Cheie Key Expert	L. Mărculescu	01.2013	
Subcontractant / Subcontractor		VIOTOP		
Aprobat Approved	Adjunct Șef de echipă Deputy Team leader	A.M. Baicu	01.2013	
Proiectat Designed	Inginer Engineer	E. Gonea	01.2013	

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulaţia trenurilor cu viteză maximă de 160 km/h"
Tronsonul 2-B : cap Y Bârzava - cap Y Ilteu
"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-B : end Y Bârzava - end Y Ilteu

Project 9i
35311.1

Faza / Phase:
PTh +CS / TD + TS

Denumire desen / Drawing name:

Profil longitudinal - Interval Vărădia - Bârzava -Firul I;
Vărădia - Bârzava Section Longitudinal Profile -Track I
km 556+700 - km 557+800

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:1000 **1:100**	1/16.05.2013	PT.02.01.11.SU.201	07/15