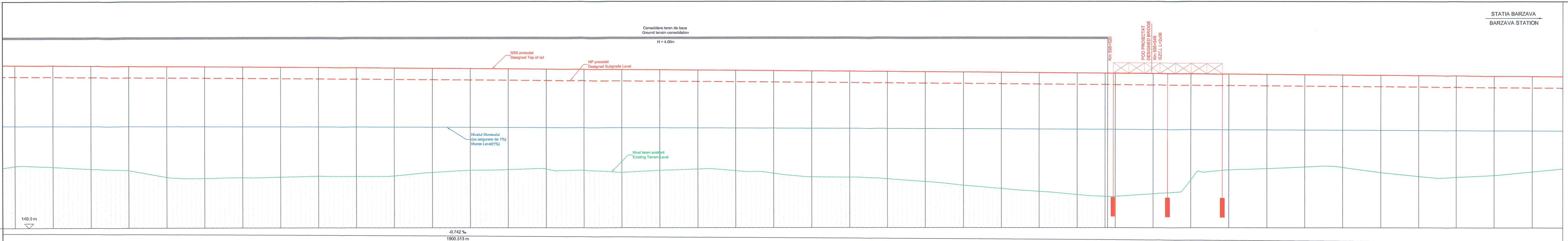
STATIA VARADIA
VARADIA STATION

STATIA BARZAVA
BARZAVA STATION



Profil longitudinal - Firul I
Longitudinal profile -Track I

Declivitati ‰ / Lungimi (m) — Gradient ‰ / Lengths (m): -0.742 ‰ / 1900.513 m

Kilometraj Kilometer position	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
800.000	6.647	150.721	149.971	144.074
825.000	6.688	150.703	149.953	144.014
850.000	6.800	150.684	149.934	143.884
875.000	6.874	150.665	149.915	143.791
900.000	7.312	150.647	149.897	143.335
925.000	7.364	150.628	149.878	143.265
950.000	7.306	150.610	149.860	143.304
975.000	7.249	150.591	149.841	143.342
0.000	7.171	150.573	149.823	143.402
25.000	7.169	150.554	149.804	143.386
50.000	7.120	150.536	149.786	143.416
75.000	6.877	150.517	149.767	143.640
100.000	6.707	150.499	149.749	143.791
125.000	6.648	150.480	149.730	143.832
150.000	6.589	150.461	149.711	143.872
175.000	6.666	150.443	149.693	143.777
200.000	6.781	150.424	149.674	143.643
225.000	6.636	150.406	149.656	143.769
250.000	6.532	150.387	149.637	143.856
275.000	6.620	150.369	149.619	143.748
300.000	6.768	150.350	149.600	143.582
325.000	6.995	150.332	149.582	143.337
350.000	6.997	150.313	149.563	143.316
375.000	7.082	150.295	149.545	143.212
400.000	7.244	150.276	149.526	143.032
425.000	7.466	150.257	149.507	142.792
450.000	7.666	150.239	149.489	142.573
475.000	7.832	150.220	149.470	142.389
500.000	8.025	150.202	149.452	142.177
518.334	8.125	150.188	149.438	142.063
525.000	8.118	150.183	149.433	142.065
550.000	7.929	150.165	149.415	142.236
575.000	6.998	150.146	149.396	143.148
600.000	6.313	150.128	149.378	143.814
625.000	6.216	150.109	149.359	143.893
650.000	6.088	150.091	149.341	144.002
675.000	6.097	150.072	149.322	143.975
700.000	6.422	150.053	149.303	143.632
725.000	6.656	150.035	149.285	143.378
750.000	6.692	150.016	149.266	143.325
775.000	6.545	149.998	149.248	143.452
800.000	6.290	149.979	149.229	143.689

555+800 555+900 556+000 556+100 556+200 556+300 556+400 556+500 556+600 556+700 556+800

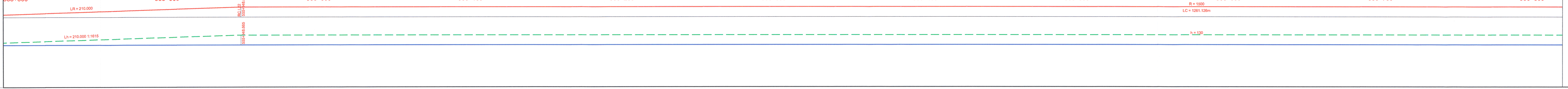
CR I.21

Diagrama curburilor
Scara=1:1000 - 5 / R

Curvature diagram
Scara=1:1000 - 5 / R

Diagrama supraînaltarilor
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



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 - 06/15 elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.201 - 06/15 prepared on 01.2013

STOICESCU A. GEORGE
NR. 05985

CHIRICA C. ANTON

BAICU D. MARIN
Nr. 06628

Verificator / Expert Checker / Expert	Cerința Requirement	Semnătura Signature	Referat / Expertiza Report / Expertise

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	Gonea

"Reabilitarea liniei c.f. Frontieră - Curtici - Simeria, parte componentă a coridorului IV Pan - European pentru circulația 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 555+800 - km 556+700

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:1000 1:100	1/16.05.2013	PT.02.01.11.SU.201	06/15