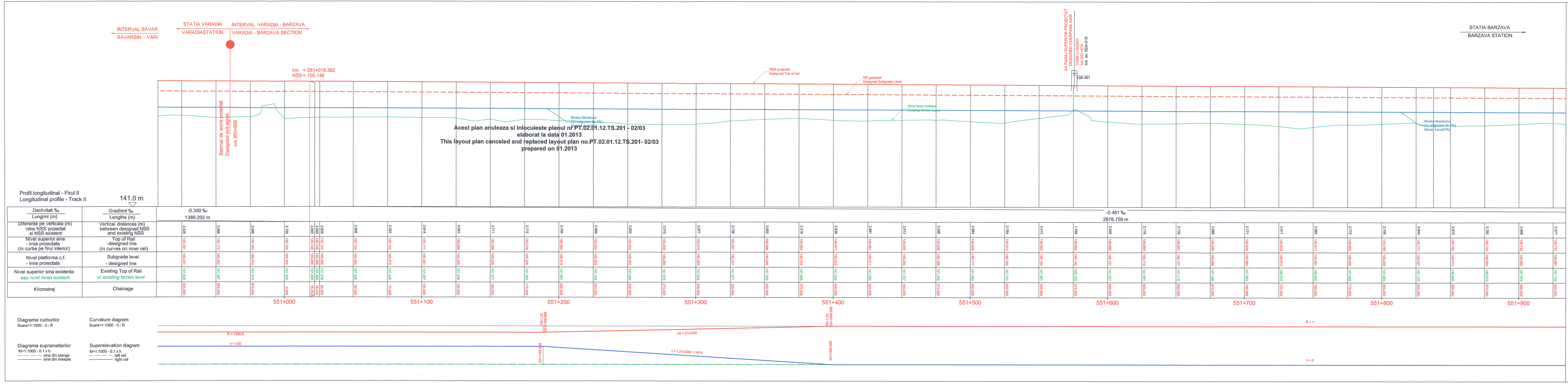
Acest plan anuleaza si inlocuieste planul nr PT.02.01.11.TS.202 - 01/15
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no.PT.02.01.11.TS.202- 01/15
prepared on 01.2013



Acest plan anuleaza si inlocuieste planul nr PT.02.01.12.TS.201 - 02/03
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no.PT.02.01.12.TS.201- 02/03
prepared on 01.2013

Profil longitudinal - Firul II
Longitudinal profile - Track II

Declivitati ‰ / Lungimi (m)	Gradient ‰ / Lengths (m)	-0.350 ‰ 1389.202 m													
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical distances (m) between designed NSS and existing NSS	2.526	2.686	2.590	2.720	2.650	2.650	2.629	2.608	2.583	2.614	2.643	2.711	2.712	2.784
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of Rail -designed line (in curves on inner rail)	150.181	150.172	150.163	150.155	150.148	150.148	150.145	150.134	150.122	150.111	150.099	150.088	150.076	150.065
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	149.431	149.422	149.414	149.405	149.398	149.398	149.395	149.384	149.372	149.361	149.349	149.338	149.326	149.315
Nivel superior sina existenta sau nivel teren existent	Existing Top of Rail or existing terrain level	147.655	147.487	147.574	147.434	147.499	147.499	147.516	147.526	147.540	147.497	147.456	147.377	147.364	147.281
Kilometraj	Chainage	925.000	950.000	975.000	0.000	18.362	18.432	25.000	50.000	75.000	100.000	125.000	150.000	175.000	200.000

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	2.869	3.002	3.015	2.977	2.736	2.602	2.516	2.638	2.681	2.613	2.590	2.684	2.764	2.413
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of Rail -designed line (in curves on inner rail)	150.053	150.042	150.030	150.019	150.007	149.996	149.984	149.973	149.961	149.950	149.938	149.926	149.915	149.903
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	149.303	149.292	149.280	149.269	149.257	149.246	149.234	149.223	149.211	149.200	149.188	149.177	149.165	149.154
Nivel superior sina existenta sau nivel teren existent	Existing Top of Rail or existing terrain level	147.184	147.040	147.015	147.042	147.271	147.393	147.468	147.334	147.280	147.337	147.348	147.243	147.151	147.491
Kilometraj	Chainage	225.000	250.000	275.000	300.000	325.000	350.000	375.000	400.000	425.000	450.000	475.000	500.000	525.000	550.000

Declivitati ‰ / Lungimi (m)	Gradient ‰ / Lengths (m)	-0.461 ‰ 2676.759 m														
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical distances (m) between designed NSS and existing NSS	1.769	2.649	2.778	2.739	2.686	2.771	2.911	2.962	2.772	2.706	2.644	2.810	2.782	2.668	2.577
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of Rail -designed line (in curves on inner rail)	149.892	149.880	149.869	149.857	149.846	149.834	149.823	149.811	149.800	149.788	149.777	149.765	149.754	149.742	149.731
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	149.142	149.131	149.119	149.107	149.096	149.084	149.073	149.061	149.050	149.038	149.027	149.015	149.004	148.992	148.981
Nivel superior sina existenta sau nivel teren existent	Existing Top of Rail or existing terrain level	148.123	147.231	147.091	147.118	147.160	147.063	146.912	146.850	147.028	147.083	147.133	146.955	146.972	147.074	147.153
Kilometraj	Chainage	575.000	600.000	625.000	650.000	675.000	700.000	725.000	750.000	775.000	800.000	825.000	850.000	875.000	900.000	925.000

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

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

STOICESCU A. GEORGE
NR. 05985

CHIRICA C. ANTON

BAICU D. MARIN
Nr. 06628

Verificator / Expert Checker / Expert	Cerinta 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	Şef de echipă Team leader	C. Teodorescu	01.2013	
Verificat Checked	Expert Cheie Key Expert	L. Mărculescu	01.2013	

Subcontractant / Subcontractor: VIOTOP

Aprobat Approved	Adjunct Şef 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 Fir II - Intervalul Varadia - Barzava;
Varadia - Barzava Section Longitudinal Profile Track II
km 551 + 000 - km551+900

Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:1000 1:100	1/16.05.2013	PT.02.01.11.SU.202	01/ 15