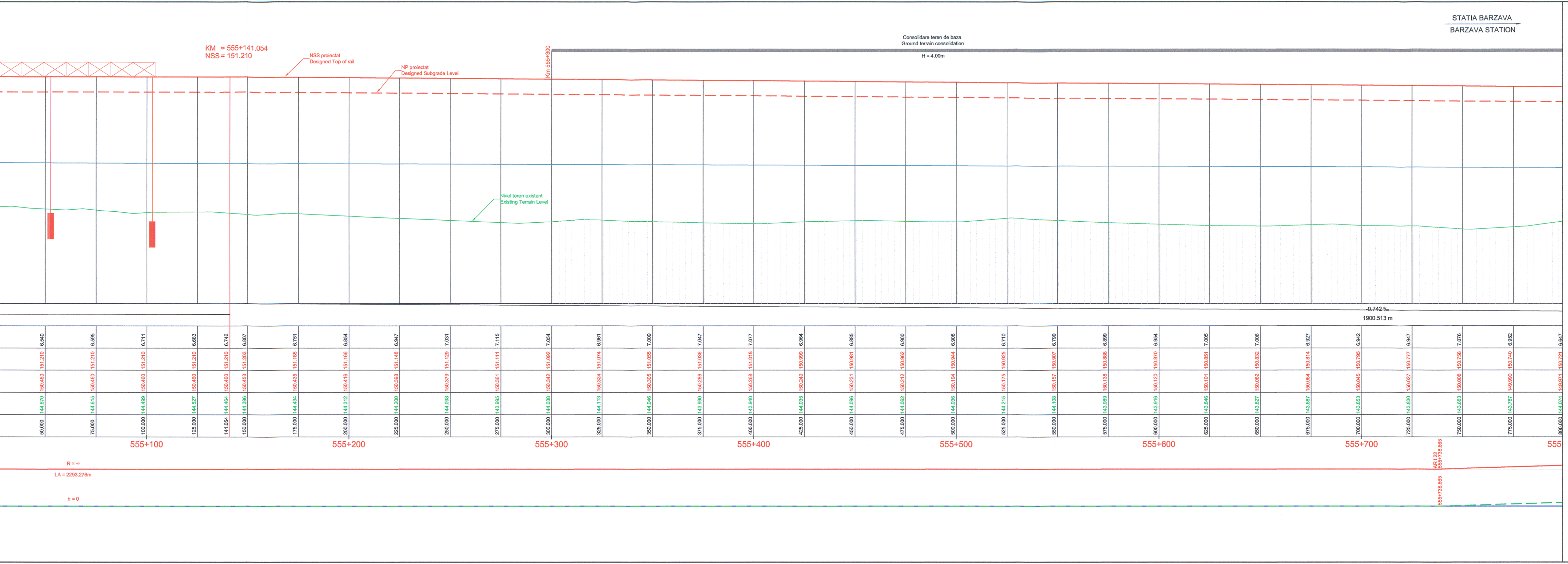


6.540	151.210	150.460	144.670	50.000
6.595	151.210	150.460	144.615	75.000
6.711	151.210	150.460	144.499	100.000
6.683	151.210	150.460	144.527	125.000
6.746	151.210	150.460	144.464	141.054
6.807	151.203	150.453	144.396	150.000
6.751	151.185	150.435	144.434	175.000
6.854	151.166	150.416	144.312	200.000
6.947	151.148	150.398	144.200	225.000
7.031	151.129	150.379	144.098	250.000
7.115	151.111	150.361	143.995	275.000
7.054	151.092	150.342	144.038	300.000
6.961	151.074	150.324	144.113	325.000
7.009	151.055	150.305	144.046	350.000
7.047	151.036	150.286	143.990	375.000
7.077	151.018	150.268	143.940	400.000
6.964	150.999	150.249	144.035	425.000
6.885	150.981	150.231	144.096	450.000
6.900	150.962	150.212	144.062	475.000
6.908	150.944	150.194	144.036	500.000
6.710	150.925	150.175	144.215	525.000
6.799	150.907	150.157	144.108	550.000
6.899	150.888	150.138	143.989	575.000
6.954	150.870	150.120	143.916	600.000
7.005	150.851	150.101	143.846	625.000
7.006	150.832	150.082	143.827	650.000
6.927	150.814	150.064	143.887	675.000
6.942	150.795	150.045	143.853	700.000
6.947	150.777	150.027	143.830	725.000
7.076	150.758	150.008	143.683	750.000
6.952	150.740	149.990	143.787	775.000
6.647	150.721	149.971	144.074	800.000

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 - 05/15
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.201 - 05/15
prepared on 01.2013

NR. 05985

Nr. 06628

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

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

CFR

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 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

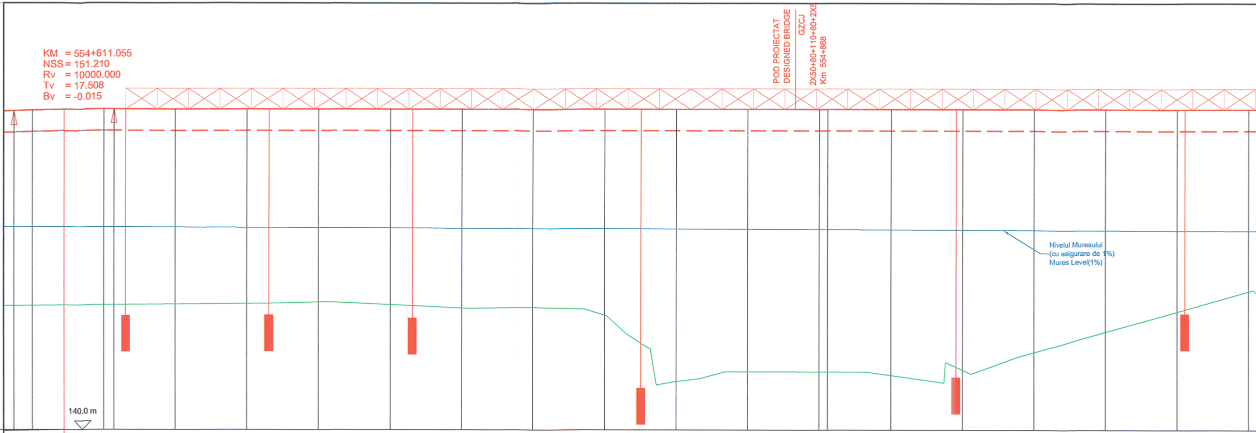
Denumire desen / Drawing name:

Profil longitudinal - Interval Vărădia - Bârzava -Firul I;
Vărădia - Bârzava Section Longitudinal Profile -Track I
km 554+600 - km 555+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	05/15

STATIA VARADIA
VARADIA STATION

Profil longitudinal - Firul I
Longitudinal profile -Track I



Declivitati ‰ / Lungimi (m) — Gradient ‰ / Lengths (m):
+3.502 ‰ — 658.000 m
H — 530.000 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
593.547	6.812	151.149	150.399	144.336
600.000	6.827	151.169	150.419	144.342
611.055	6.843	151.195	150.445	144.351
625.000	6.846	151.209	150.459	144.363
628.562	6.844	151.210	150.460	144.366
650.000	6.826	151.210	150.460	144.384
675.000	6.805	151.210	150.460	144.405
700.000	6.756	151.210	150.460	144.454
725.000	6.846	151.210	150.460	144.364
750.000	6.957	151.210	150.460	144.253
775.000	6.937	151.210	150.460	144.273
800.000	7.204	151.210	150.460	144.006
825.000	9.520	151.210	150.460	141.690
850.000	9.182	151.210	150.460	142.028
875.000	9.187	151.210	150.460	142.023
877.967	9.187	151.210	150.460	142.023
900.000	9.307	151.210	150.460	141.903
925.000	9.121	151.210	150.460	142.089
950.000	8.497	151.210	150.460	142.713
975.000	7.788	151.210	150.460	143.422
0.000	7.078	151.210	150.460	144.132
25.000	6.368	151.210	150.460	144.842

554+600
554+700
554+800
554+900
555+000

Diagrama curburilor
Scara=1:1000 - 5 / R
CR 1:21

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