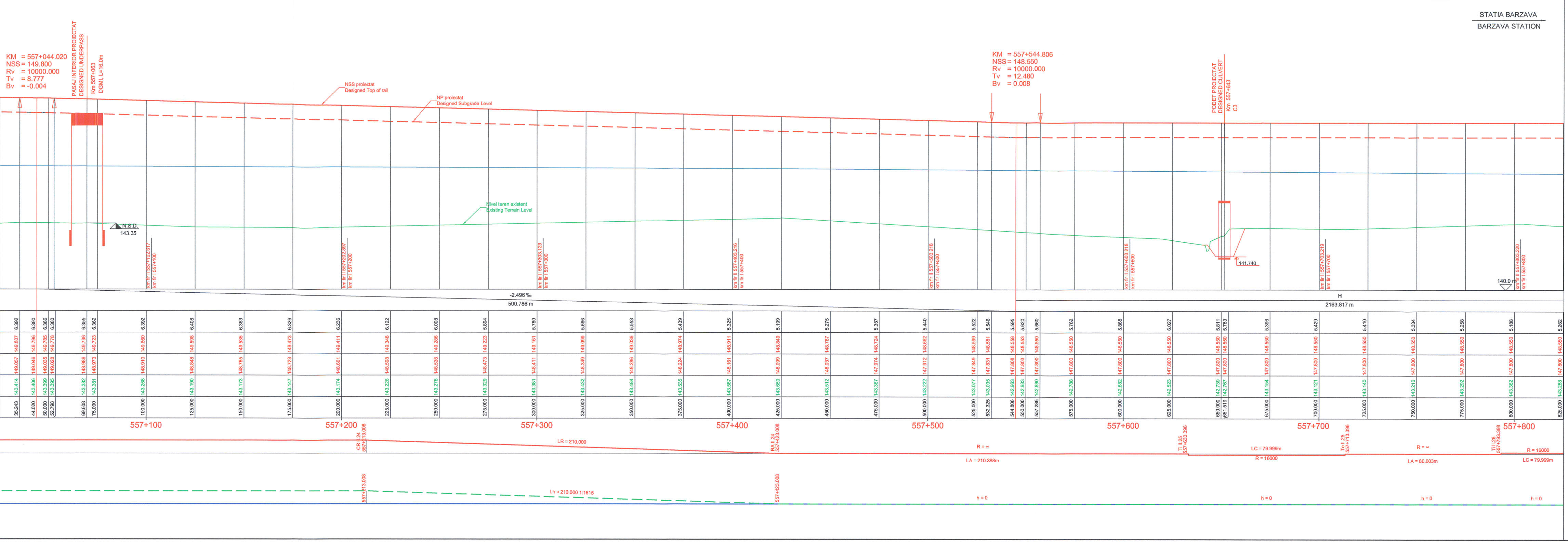

STATIA BARZAVA
BARZAVA STATION
KM = 557+044.020
NSS = 149.800
Rv = 10000.000
Tv = 8.777
Bv = -0.004
PASAJ INFERIOR PROIECTAT
DESIGNED UNDERPASS
Km 557+063
DGMI, L=16.0m
NSS proiectat
Designed Top of rail
NP proiectat
Designed Subgrade Level
Nivel teren existent
Existing Terrain Level
N.S.D.
143.35
km fir II 557+102.617
km fir I 557+100
km fir II 557+202.897
km fir I 557+200
km fir II 557+303.123
km fir I 557+300
km fir II 557+503.218
km fir I 557+500
km fir II 557+603.218
km fir I 557+600
km fir II 557+703.219
km fir I 557+700
km fir II 557+803.220
km fir I 557+800
-2.496 ‰
500.786 m
KM = 557+544.806
NSS = 148.550
Rv = 10000.000
Tv = 12.480
Bv = 0.008
PODET PROIECTAT
DESIGNED CULVERT
Km 557+643
C3
141.740
140.0 m
H
2163.817 m
557+100
557+200
557+300
557+400
557+500
557+600
557+700
557+800
CR II.24
557+213.008
LR = 210.000
RA II.24
557+423.008
R = ∞
LA = 210.388m
Ti II.25
557+633.396
LC = 79.999m
R = 16000
Te II.25
557+713.396
LA = 80.003m
Ti II.26
557+793.398
557+213.008
Lh = 210.000 1:1615
557+423.008
h = 0

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.202 - 07/15
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.02.01.11.TS.202 - 07/15
prepared on 01.2013

CHIRICA C. ANTON
Nr. 1563

BALAN D. MARIN
Nr. 06628

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

TOICESCU A. GEORGE
Nr. 05985

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PŐYRY

			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

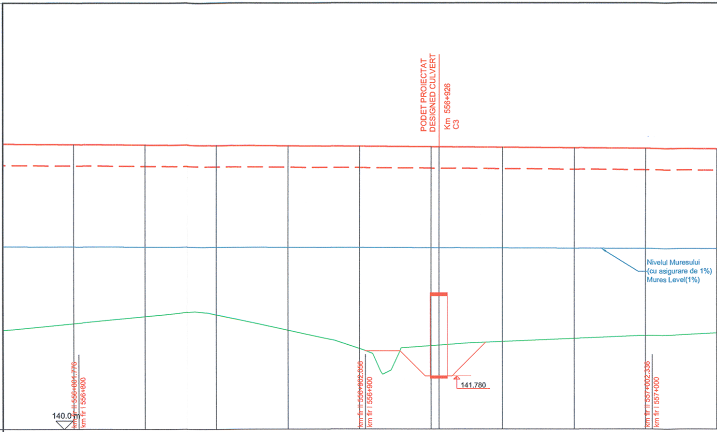
Denumire desen / Drawing name:

Profil longitudinal - Interval Vărădia - Bârzava -Firul II;
Vărădia - Bârzava Section Longitudinal Profile -Track II
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.202	07/15

STATIA VARADIA
VARADIA STATION

Profil longitudinal - Firul II
Longitudinal profile -Track II


PODET PROIECTAT
DESIGNED CULVERT
Km 556+926
C3
Nivelul Muresului
(cu asigurare de 1%)
Mures Level(1%)
140.0 m
km fir II 556+801.776
km fir I 556+800
km fir II 556+902.050
km fir I 556+900
141.780
km fir II 557+002.336
km fir I 557+000

Declivitati ‰ / Lungimi (m)	Gradient ‰ / Lengths (m)	-0.741 ‰ 1903.870 m										
Diferente pe verticala (m) intre NSS proiectat si NSS existent	Vertical distances (m) between designed NSS and existing NSS	6.275	6.011	5.935	6.464	7.098	6.970	6.948	6.805	6.679	6.561	6.452
Nivel superior sina - linia proiectata (in curbe pe firul interior)	Top of rail -designed line (in curves on inner rail)	149.981	149.962	149.944	149.925	149.907	149.888	149.886	149.870	149.851	149.833	149.814
Nivel platforma c.f. - linia proiectata	Subgrade level - designed line	149.231	149.212	149.194	149.175	149.157	149.138	149.136	149.120	149.101	149.083	149.064
Nivel superior sina existenta sau nivel teren existent	Existing top of rail or existing terrain level	143.706	143.951	144.009	143.461	142.809	142.918	142.938	143.064	143.172	143.272	143.362
Kilometraj	Kilometer position	800.000	825.000	850.000	875.000	900.000	925.000	927.788	950.000	975.000	0.000	25.000

556+800 556+900 557+000

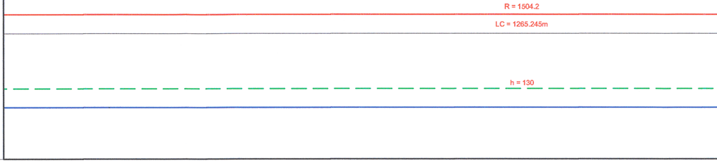
CR II.23

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


R = 1504.2
LC = 1265.245m
h = 130