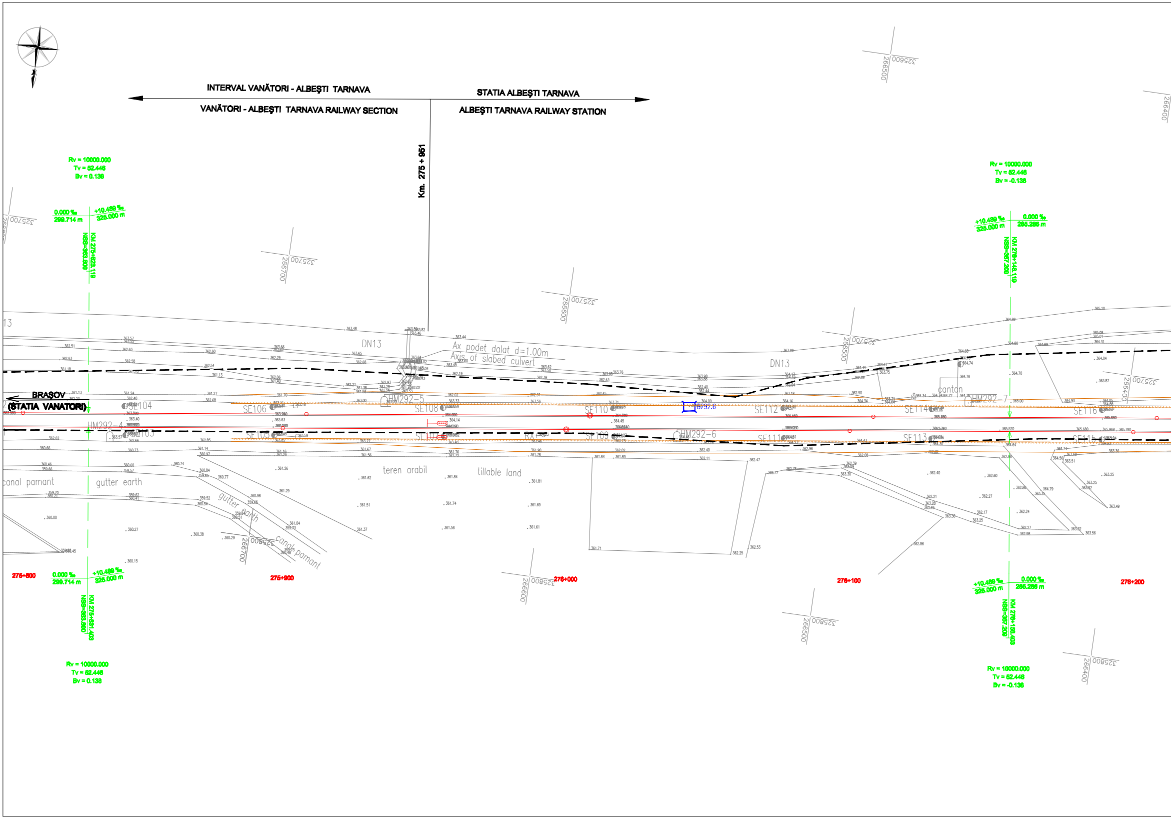
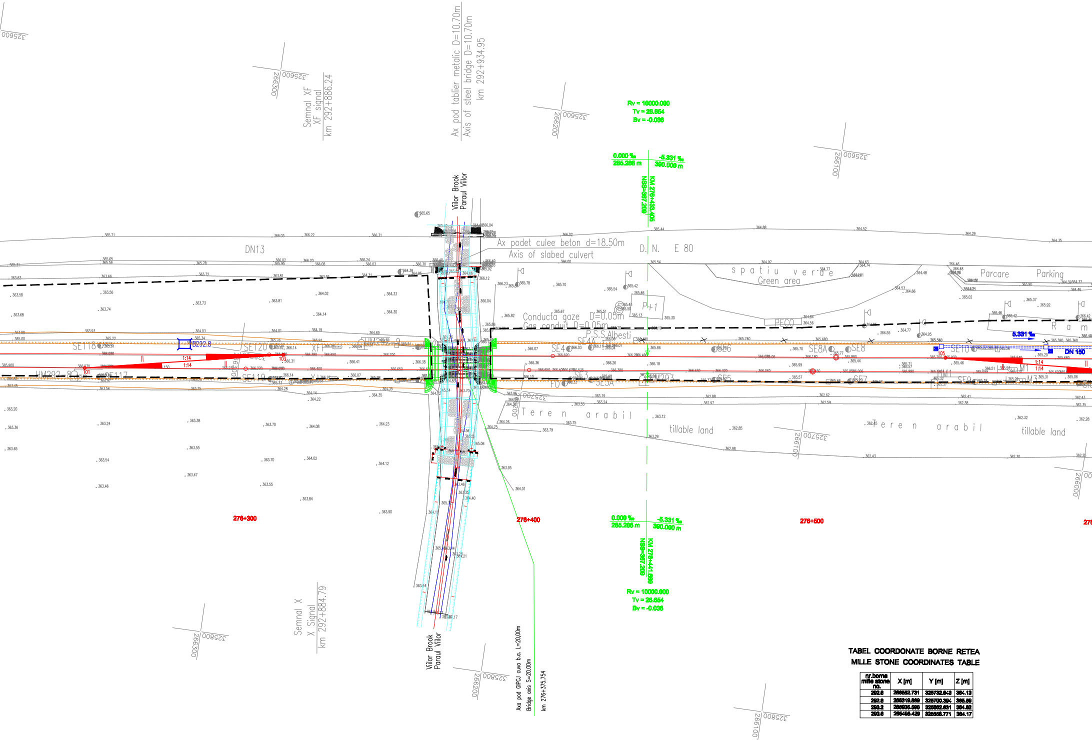
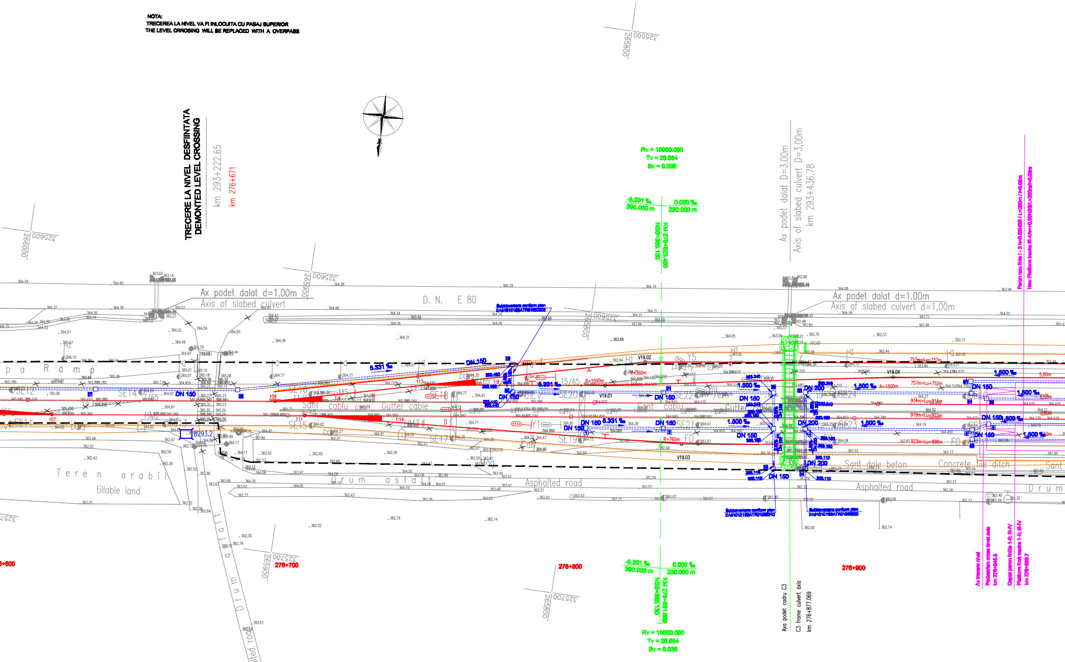

INTERVAL VANĂTORI - ALBEŞTI TARNAVA
VANĂTORI - ALBEŞTI TARNAVA RAILWAY SECTION
STATIA ALBEŞTI TARNAVA
ALBEŞTI TARNAVA RAILWAY STATION
Km. 275 + 951
Rv = 10000.000
Tv = 52.446
Bv = 0.138
0.000 ‰
299.714 m
+10.489 ‰
325.000 m
NSS=363.800
KM 275+823.119
Rv = 10000.000
Tv = 52.446
Bv = -0.138
+10.489 ‰
325.000 m
0.000 ‰
295.286 m
NSS=367.209
KM 276+148.119
BRAŞOV
(STATIA VANATORI)
DN13
Ax podet dalat d=1.00m
Axis of slabed culvert
cantan
HM292-4
HM292-5
HM292-6
HM292-7
SE103
SE104
SE105
SE106
SE107
SE108
SE109
SE110
SE111
SE112
SE113
SE114
SE115
SE116
RX1
6292.6
canal pamant
gutter earth
gutter earth
canal pamant
teren arabil
tillable land
275+800
275+900
276+000
276+100
276+200
0.000 ‰
299.714 m
+10.489 ‰
325.000 m
NSS=363.800
KM 275+831.403
Rv = 10000.000
Tv = 52.446
Bv = 0.138
+10.489 ‰
325.000 m
0.000 ‰
295.286 m
NSS=367.209
KM 276+156.403
Rv = 10000.000
Tv = 52.446
Bv = -0.138
325600
266500
325700
266700
325700
266600
325700
266500
325700
266400
325800
266700
325800
266600
325800
266500
325800
266400
266400


Ax pod tablier metalic D=10.70m
Axis of steel bridge D=10.70m
km 292+934.95
Semnal XF
XF signal
km 292+886.24
Villor Brook
Paraul Villor
Rv = 10000.000
Tv = 26.654
Bv = -0.036
0.000 ‰
285.286 m
-5.331 ‰
390.000 m
DN13
Ax podet culee beton d=18.50m
Axis of slabed culvert
D. N. E 80
spatiu verde
Green area
Parcare
Parking
Conducta gaze D=0.05m
Gas conduit D=0.05m
P.S.S.Albesti
PECO
P+1
SE118
SE120
SE119
SE4
SE4A
SE3
SE3A
SE6
SE8A
SE8
SE5
SE7
SE10
SE9
HM292+8
HM293
B292.8
XF
X
F0
1:14
DN 150
5.331 ‰
Teren arabil
tillable land
276+300
276+400
276+500
Semnal X
X Signal
km 292+884.79
Axa pod GIPCJ cuva b.a. L=20.00m
Bridge axis S=20.00m
km 276+375.754
325600
266300
266200
266100
266000
325700
325800

TABEL COORDONATE BORNE RETEA
MILLE STONE COORDINATES TABLE

nr.borne mille stone no.	X [m]	Y [m]	Z [m]
292.6	266562.731	325732.643	364.13
292.8	266319.869	325700.394	365.69
293.2	265935.596	325662.631	364.82
293.6	265495.429	325568.771	364.17



NOTA:
TRECEREA LA NIVEL VA FI INLOCUITA CU PASAJ SUPERIOR
THE LEVEL CRROSING WILL BE REPLACED WITH A OVERPASS

TRECERE LA NIVEL DESFIINTATA
DEMONTED LEVEL CROSSING
km 293+222.65
km 276+671
Ax podet dalat d=1.00m
Axis of slabed culvert
D. N. E 80
Ax podet dalat D=3,00m
Axis of slabed culvert D=3,00m
km 293+436.78
Ax podet dalat d=1.00m
Axis of slabed culvert d=1,00m
Rv = 10000.000
Tv = 26.654
Bv = 0.036
-5.331 ‰
390.000 m
0.000 ‰
230.000 m
KM 276+823.405
NS=365.150
Ramp
Teren arabil
tillable land
Sant cablu
Gutter cable
Drum asfaltat
Asphalted road
Sant dale beton
Concrete tile ditch
Drum
Asphalted road
DN 150
DN 200
V19.01
V19.02
V19.03
V19.04
R=1500m
R=360m
R=760m
757m=Lu=737m
757m=Lu=752m
934m=Lu=914m
918m=Lu=923m
923m=Lu=898m
1.500 ‰
5.331 ‰
B293.2
276+600
276+700
276+800
276+900
KM 276+851.869
NS=365.150
Axa podet cadru C3
C3 frame culvert axis
km 276+877.069
Ax trecere nivel
Pedestrian cross level axis
km 276+945.5
Capat peron linia 1-II; III-IV
Platform limit tracks 1-II; III-IV
km 276+968.7
Peron nou linia I - II h=0.55NSS / L=250m / l=6.05m
New Platform tracks III-IV h=0.55NSS / L=250m / l=6.05m
325500
265800
325600
266000
325700
265900

TABEL CURBE PROIECTATE - LINII ABATERE
DESIGNED CURVES - ON DEVIATION LINES TABLE

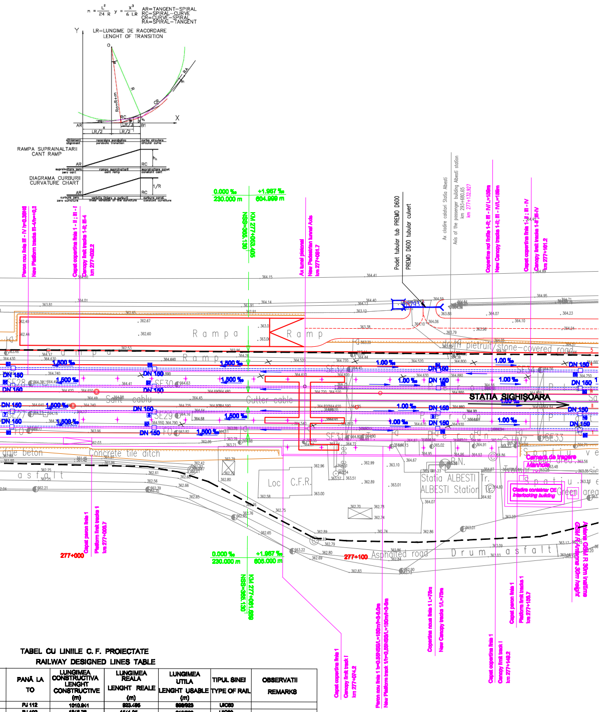
NR.CURBA NO.CURVE	V SPEED (km/h)	ELEMENTE ELEMENTS					h_n (mm)	COORDONATE COORDINATES					
								V		Ti		Te	
		U	R	T	B	C		X	Y	X	Y	X	Y
V19.01	80	197.8076	1500	25.631	0.222	51.657	0	265791.552	325625.079	265817.241	325626.807	265766.196	325620.570
V19.02	45	192.9554	360	19.936	0.551	39.836	0	265776.894	325614.738	265796.224	325619.627	265759.142	325612.014
V19.03	65	195.4603	760	27.109	0.483	54.195	0	265762.065	325641.692	265789.114	325643.473	265735.211	325637.969
V19.04	80	197.8076	1500	25.631	0.222	51.657	0	265691.492	325607.732	265716.962	325612.142	265665.895	325604.202

TABEL CARACTERISTICI APARATE DE CALE PROIECTATE CAP X
CHARACTERISTICS DESIGNED TURNOUTS TABLE X END

NO NR. CRT.	NO NR. P.G.	DEVIATIE DEVIATION		TIP TYPE	Tg.	R RADIUS (m)	TIPUL ACELOR TYPE OF SWITCH	PROVENIENTA COMING FROM		COORDONATE COORDINATES	
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSITI DISMANTLING	X	Y
1	101	●		60	1:14	760	flexibil	•		266363.601	325713.679
2	103	●		60	1:14	760	flexibil	•		266284.940	325699.163
3	105		●	60	1:14	760	flexibil	•		266053.525	325667.249
4	107		●	60	1:14	760	flexibil	•		265963.497	325662.639
5	109	●		60	1:9	300	flexibil	•		265906.191	325646.931
6	111		●	60	1:14	760	flexibil	•		265895.118	325650.451
7	113		●	60	1:9	300	flexibil	•		265853.516	325633.610

NO NR. CRT.	DENUMIREA LINIEI C.F. DENOMINATION OF THE RAILWAY LINE	DE LA FROM	PRIN BY
1	Linia 1 / Line 1	PJ111	-----
2	Linia II - Fir I/Line II - Through I	PJ101	107, 111, 112, 104
3	Linia III-Fir II/Line III-Through II	PJ103	105, 109, 110, 108
4	Linia 4 / Line 4	PJ109	113, 116, 114
5	Linia 5 / Line 5	PJ113	-----
6	Linie evitare / Avoid linie	PJ106	-----

1	2


n = L²/24 R   y = x³/6 LR
AR=TANGENT–SPIRAL
RC=SPIRAL–CURVE
CR=CURVE–SPIRAL
RA=SPIRAL–TANGENT
LR=LUNGIME DE RACORDARE
LENGHT OF TRANSITION
RAMPA SUPRAINALTARII
CANT RAMP
DIAGRAMA CURBURII
CURVATURE CHART
0.000 ‰ 230.000 m
+1.957 ‰ 604.999 m
Podet tubular tub PREMO D600
PREMO D600 tubular culvert
Ax cladire calatori Statia Albesti
Axis of the passenger building Albesti station
Rampa
STATIA SIGHISOARA
Gutter cable
Concrete tile ditch
Drum pietruit/stone-covered road
Statia ALBESTI
ALBESTI Station
Loc C.F.R.
Asphalted road
Camera de tragere
Manhole
Cladire container CE
Interlocking building
277+000
277+100
0.000 ‰ 230.000 m
+1.957 ‰ 605.000 m
DN 150
1.500 ‰
1.00 ‰

TABEL CU LINIILE C. F. PROIECTATE
RAILWAY DESIGNED LINES TABLE

PANĂ LA TO	LUNGIMEA CONSTRUCTIVA LENGHT CONSTRUCTIVE (m)	LUNGIMEA REALA LENGHT REALE (m)	LUNGIMEA UTILA LENGHT USABLE (m)	TIPUL SINEI TYPE OF RAIL	OBSERVATII REMARKS
PJ 112	1010,941	923,495	898/923	UIC60	
PJ 102	1646,28	1641,95	916/923	UIC60	
PJ 100	1661,65	1557,35	934/914	UIC60	
PJ 105	1069,06	880,94	757/752	UIC60	
PJ 116	865,57	799,21	757/737	UIC60	
Opritor / Buffer	101,62	68,39	50,00	49	

LEGENDA
LEGEND

―	Ax linie c.f. existent Axis of existing railway line
―×―×―	Ax linie c.f. demontat Demounted axis line of railway line
	Aparate de cale existente Existing turnouts
	Aparate de cale demontate Demounted turnouts
Name Level	Borne de retea Benchmarks
―	Ax linie c.f. proiectat Axis of designed railway line
	Aparate de cale proiectate Designed turnouts
‖	Marca proiectata Designed marck
	Semnal proiectat Designed signal
═	Peron proiectat Designed platform
	Copertina proiectata Designed canopy
▬	Sant monolit de beton Prefabricate concrete ditch
	Dren longitudinal Longitudinal drain
	Ampriza sapatura/umplutura Excavation/fillings at the work place of natural soil
―	Lucrari de consolidare Consolidatio works
―	Lucrari de drumuri proiectate Designed road works

D					
C					
B					
A					
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approval Consultant	Aprobat CFR Approval CFR

GUVERNUL ROMANIEI
ROMANIAN GOVERNMENT

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

CLIENT / CLIENT

C.N.C.F. "C.F.R." - S.A.

ITALFERR
GRUPPO FERROVIE DELLO STATO
Joint Venture leader

Scott Wilson

OBERMEYER
PLANEN + BERATEN GmbH

TECNIC
Consulting Engineers

CONSULTANT / CONSULTANT

			Data Date	Semnătură Signature
Aprobat Approved	Şef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secţiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Verificator Checking Expert	S. MENICHINI		

SUBCONTRACTANT / SUBCONTRACTOR

AREX

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A.Stanciu - Dinulescu		
Întocmit Elaborated	Proiectant Designer	F. Mihai	12.2011	

Reabilitarea liniei de cale ferata Brasov - Simeria, parte componentă a coridorului IV Pan European, pentru circulaţia trenurilor cu viteza maximă de 160 km/h,
Tronsonul : Brasov - Sighisoara
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,
Section : Brasov - Sighisoara

Proiect/Project
2004/RO/16/P/PA/003

Faza / Phase:
P.Th. / T.D.

Denumire desen / Drawing Title :

Plan de situaţie - Staţia Albeşti Târnava
Albeşti Târnava station - Track Layout on designed plan

Codificare / Codification System	Scara / Scale 1:500	LOT / LOT	Nr. / No
E A 5 1 · 0 1 · C · 1 9 · L 8 · S L · 0 1 · 0 · 0 · 0 0 1			2