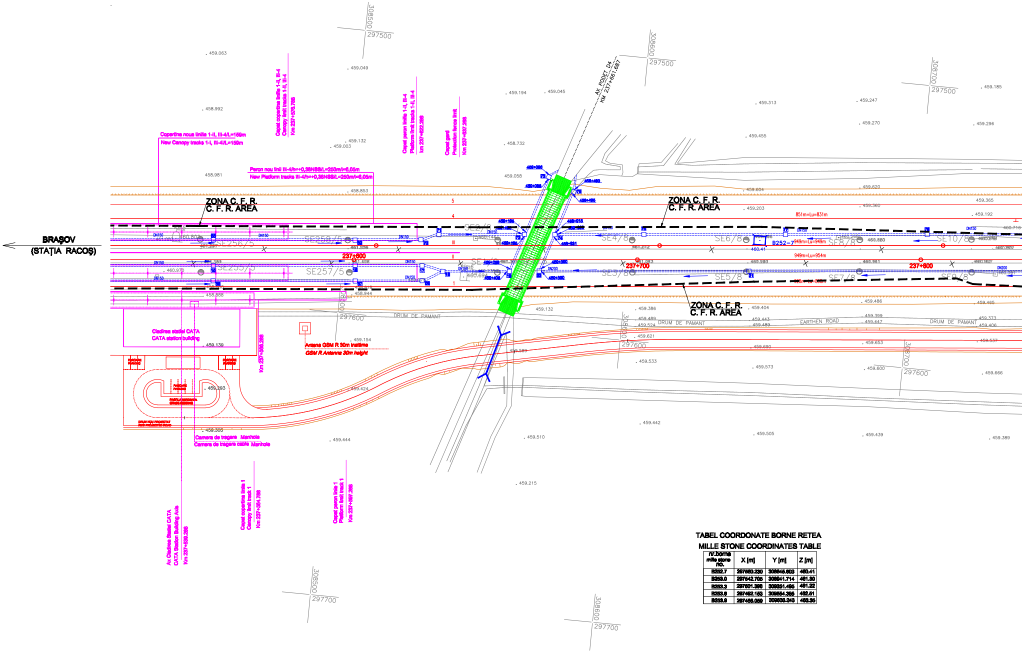
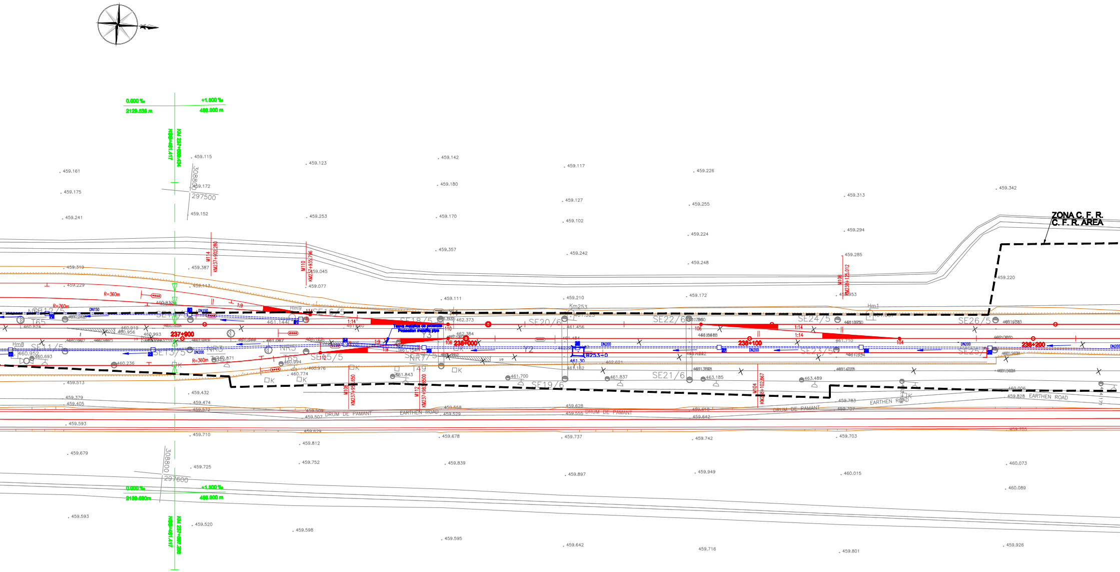

BRAȘOV
(STAȚIA RACOȘ)
Copertina noua liniile 1-II, III-4/L=159m
New Canopy tracks 1-I, III-4/L=159m
Capat copertina liniile 1-II, III-4
Canopy limit tracks 1-II, III-4
Km 237+576.788
Capat peron liniile 1-II, III-4
Platform limit tracks 1-II, III-4
Km 237+622.288
Capat gard
Protection fence limit
Km 237+637.288
Peron nou linii III-4/h=+0,36NSS/L=250m/l=6,05m
New Platform tracks III-4/h=+0,36NSS/L=250m/l=6,05m
ZONA C. F. R.
C. F. R. AREA
AX PODET D4
KM 237+661.687
SE256/5
SE258/5
SE255/5
SE257/5
SE2/8
SE1/8
SE4/8
SE3/8
SE6/8
SE5/8
SE8/8
SE7/8
SE10/8
SE9/8
237+600
237+700
237+800
B252-7
851m=Lu=831m
949m=Lu=949m
949m=Lu=954m
DN150
DN200
DRUM DE PAMANT
EARTHEN ROAD
Cladirea statiei CATA
CATA station building
Km 237+586.288
Antena GSM R 30m inaltime
GSM R Antenna 30m height
Camera de tragere Manhole
Camera de tragere cable Manhole
DRUM NOU PROIECTAT
NEW PROJECTED ROAD
Ax Cladirea Statiei CATA
CATA Station Building Axis
Km 237+539.288
Capat copertina linia 1
Canopy limit track 1
Km 237+564.788
Capat peron linia 1
Platform limit track 1
Km 237+597.288
308500
297500
308600
308700
297600
297700
459.063
459.049
458.992
459.132
459.003
458.981
458.853
459.194
459.045
458.732
459.058
459.313
459.247
459.185
459.270
459.296
459.455
459.604
459.620
459.203
459.360
459.365
459.192
458.944
458.888
459.139
459.154
459.293
459.424
459.305
459.444
459.132
459.386
459.404
459.486
459.465
459.489
459.524
459.443
459.489
459.399
459.447
459.373
459.406
459.621
459.589
459.690
459.653
459.537
459.533
459.573
459.600
459.666
459.442
459.510
459.505
459.439
459.389
459.215

TABEL COORDONATE BORNE RETEA
MILLE STONE COORDINATES TABLE

nr.borne mille stone no.	X [m]	Y [m]	Z [m]
B252.7	297560.230	308646.603	460.41
B253.0	297542.705	308941.714	461.30
B253.3	297501.398	309251.495	461.22
B253.6	297492.153	309554.395	462.51
B253.9	297455.059	309836.243	463.35


ZONA C. F. R.
C. F. R. AREA
0.000 ‰
2129.538 m
+1.800 ‰
480.000 m
0.000 ‰
2189.680m
+1.800 ‰
480.000 m
237+900
238+000
238+100
238+200
R=760m
R=360m
SE11/5
SE12/5
SE13/5
SE14/5
SE15/5
SE16/5
SE17/5
SE18/5
SE19/6
SE20/6
SE21/6
SE22/6
SE23/5
SE24/5
SE25/5
SE26/5
DRUM DE PAMANT
EARTHEN ROAD
Km253
Hm8
Hm9
Hm1
DN150
DN200
Teava metalica de protectie
Protection metallic pipe
M114 KM237+902.288
M110 KM237+935.796
M106 KM238+125.012
M108 KM237+953.650
M112 KM237+956.500
M104 KM238+102.867
297500
308800
297600

TABEL CARACTERISTICI APARATE DE CALE PROIECTATE CAP Y

CHARACTERISTICS DESIGNED TURNOUTS TABLE Y END

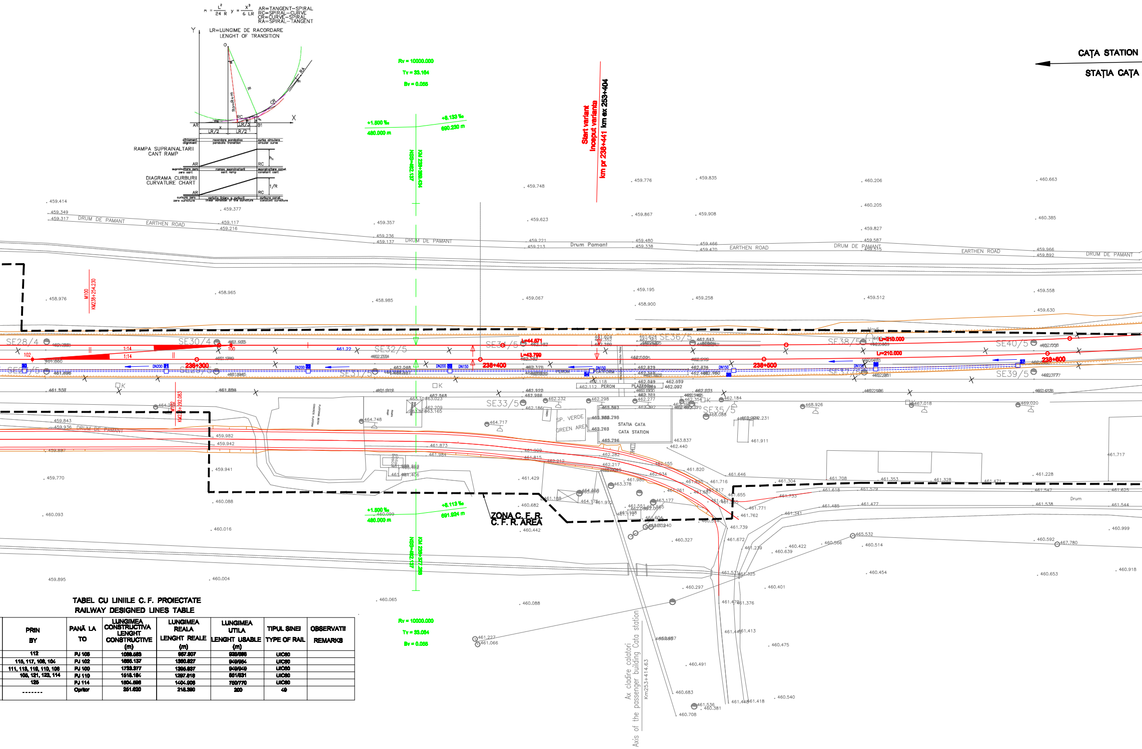
NO NR. CRT.	NO NR. P.G.	DEVIATIE DEVIATION		TIP TYPE	Tg.	R RADIUS (m)	TIPUL ACELOR TYPE OF SWITCH	PROVENIENTA COMING FROM		COORDONATE COORDINATES	
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSITI DISMANTLING	X	Y
1	100	●		60	1:14	760	flexibil	•		297506.606	309211.964
2	102	●		60	1:14	760	flexibil	•		297518.399	309142.803
3	104		●	60	1:14	760	flexibil	•		297527.086	309054.011
4	106		●	60	1:14	760	flexibil	•		297526.927	308983.856
5	108	●		60	1:9	300	flexibil	•		297542.590	308896.550
6	110		●	60	1:14	760	flexibil	•		297537.614	308895.064
7	112		●	60	1:9	300	flexibil	•		297551.949	308851.251
8	114		●	60	1:9	300	flexibil	•		297536.892	308846.362

TABEL CURBE PROIECTATE - LINII ABATERE CAP Y

DESIGNED CURVES - ON DEVIATION LINES TABLE Y END

NR.CURBA NO.CURVE	V SPEED (km/h)	ELEMENTE ELEMENTS					h_s (mm)	COORDONATE COORDINATES					
								V		Ti		Te	
		U	R	T	B	C		X	Y	X	Y	X	Y
V13.06	65	195.4605	760	27.108	0.483	54.193	0	297541.111	308761.768	297543.760	308734.789	297540.400	308788.867
V13.07	40	168.4159	360	32.844	1.495	65.507	0	297533.753	308785.626	297536.951	308752.936	297536.522	308818.353
V13.08	40	192.9554	360	19.938	0.552	39.836	0	297560.371	308811.361	297562.313	308791.537	297556.260	308830.869

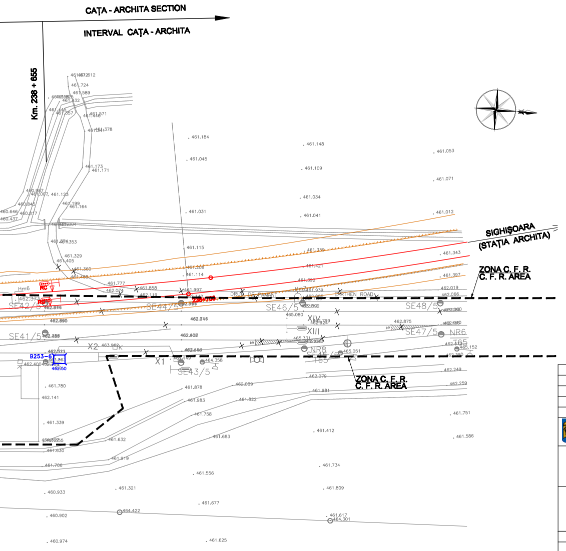
NO NR. CRT.	DENUMIREA LINIEI C.F. DENOMINATION OF THE RAILWAY LINE	DE LA FROM
1	Linia 1 / Line 1	PJ117
2	Linia II / Line II	PJ109
3	Linia III / Line III	PJ107
4	Linia 4 / Line 4	PJ109
5	Linia 5 / Line 5	PJ101
6	Linie asteptare locomotive	PJ112


CAȚA STATION
STAȚIA CAȚA
Start variant
Inceput varianta
km pr 238+441 km ex 253+404
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
Rv = 10000.000
Tv = 33.164
Bv = 0.055
+1.500 ‰
460.000 m
+8.133 ‰
690.230 m
DRUM DE PAMANT
EARTHEN ROAD
Drum Pamant
M100
KM238+254.230
238+300
238+400
238+500
238+600
L=44.671
L=43.799
L=210.000
SE28/4
SE30/4
SE32/5
SE33/5
SE35/5
SE36/5
SE38/5
SE39/5
SE40/5
DN200
DN150
PERON
PLATFORM
SP. VERDE
GREEN AREA
STATIA CATA
CATA STATION
ZONA C. F. R.
C. F. R. AREA
+1.500 ‰
460.000 m
+8.113 ‰
691.924 m
Rv = 10000.000
Tv = 33.084
Bv = 0.055
Ax cladire calatori
Axis of the passenger building Cata station
Km253+414.63
Drum

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

PRIN BY	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
112	PJ 106	1089.583	967.907	939/898	UIC60	
115, 117, 108, 104	PJ 102	1665.137	1360.827	949/954	UIC60	
111, 113, 119, 110, 106	PJ 100	1733.377	1395.837	949/949	UIC60	
105, 121, 123, 114	PJ 110	1518.194	1297.818	851/831	UIC60	
125	PJ 114	1804.898	1404.908	750/770	UIC60	
-------	Opritor	251.620	218.390	200	49	

1	2


CAŢA - ARCHITA SECTION
INTERVAL CAŢA - ARCHITA
Km. 238 + 855
SIGHIŞOARA
(STAŢIA ARCHITA)
ZONA C. F. R.
C. F. R. AREA
DRUM DE PAMANT
EARTHEN ROAD
SE41/5
SE42/5
SE43/5
SE44/5
SE46/5
SE47/5
SE48/5
NR6
NR8
XIV
XIII
X1
X2
Hm6
B253-6
462.50
ZONA C. F. R.
C. F. R. AREA

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 COMPANY

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A.Stanciu - Dinulescu	11.2011	
Întocmit Elaborated	Proiectant Designer	F. Mihai	11.2011	

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

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

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

Denumire desen / Drawing Title :

Plan de situaţie - Haltă mişcare Caţa
Caţa Railway Halt - Track Layout on designed plan

Codificare / Codification System	Scara / Scale 1:500	LOT / LOT	Nr. / No
E A 5 1 0 1 C 1 3 L 8 S L 0 0 7 0			0 0 2 2