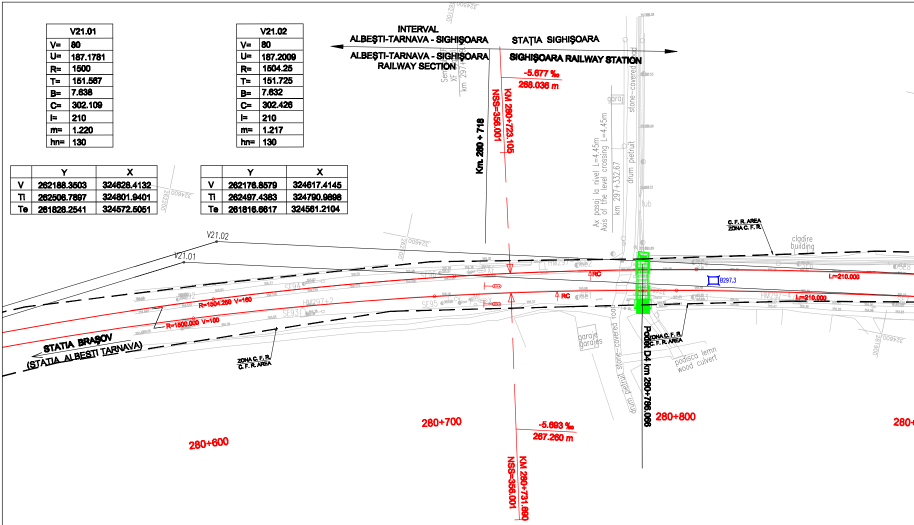
V21.01	
V=	80
U=	187.1781
R=	1500
T=	151.567
B=	7.638
C=	302.109
I=	210
m=	1.220
hn=	130

	Y	X
V	262188.3503	324628.4132
Ti	262506.7897	324801.9401
Te	261828.2541	324572.5051

V21.02	
V=	80
U=	187.2009
R=	1504.25
T=	151.725
B=	7.632
C=	302.426
I=	210
m=	1.217
hn=	130

	Y	X
V	262176.8579	324617.4145
Ti	262497.4383	324790.9898
Te	261816.6617	324561.2104


INTERVAL
ALBEŞTI-TARNAVA - SIGHIŞOARA
ALBEŞTI-TARNAVA - SIGHIŞOARA
RAILWAY SECTION
STAŢIA SIGHIŞOARA
SIGHIŞOARA RAILWAY STATION
-5.677 ‰
268.036 m
NSS=356.001
KM 280+723.105
Km. 280 + 718
garaj
stone-covered road
drum pietruit
Ax pasaj la nivel L=4.45m
Axis of the level crossing L=4.45m
km 297+332.67
tub
C. F. R. AREA
ZONA C. F. R.
cladire
building
V21.02
V21.01
RC
B297.3
Lr=210.000
Lr=210.000
R=1504.250 V=100
R=1500.000 V=100
SF94
SF95
SF93
HM297+2
STATIA BRAŞOV
(STATIA ALBESTI TARNAVA)
ZONA C. F. R.
C. F. R. AREA
garaje
garajes
ZONA C. F. R.
C. F. R. AREA
podisca lemn
wood culvert
Podeţ D4 km 280+796.066
280+600
280+700
280+800
-5.693 ‰
267.260 m
NSS=356.001
KM 280+731.690

V 21.03	
V=	80
U=	199.9528

	Y	X
V	261649.528	324535.131

V 21.08	
V=	80
U=	199.8653

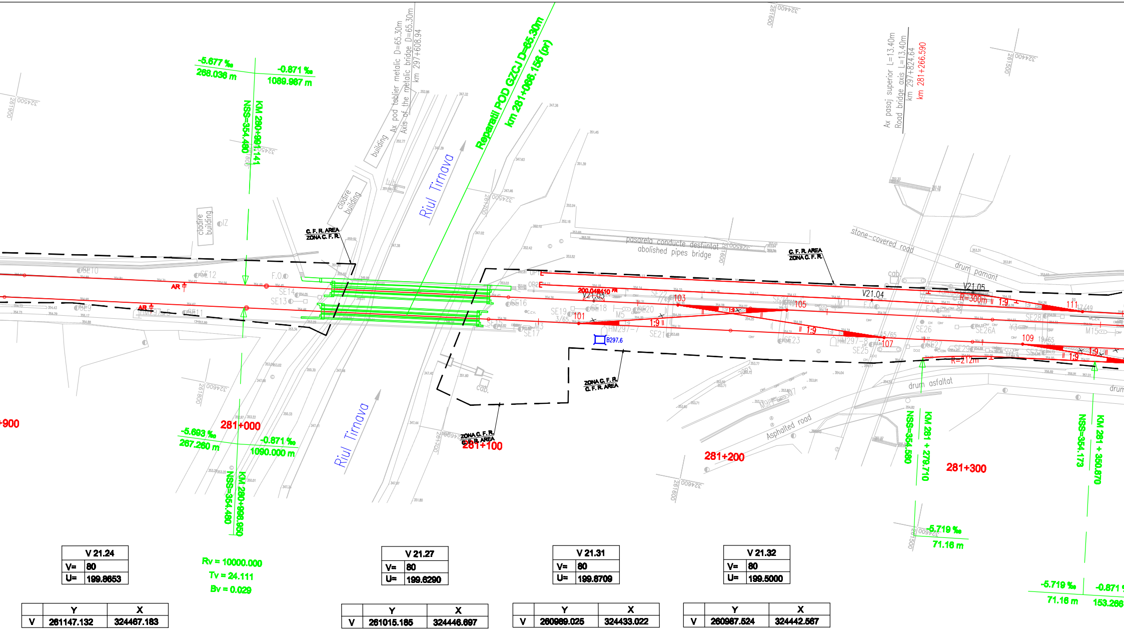
	Y	X
V	261344.829	324497.449

V 21.09	
V=	80
U=	199.8618

	Y	X
V	261346.288	324488.051

V 21.23	
V=	80
U=	199.8618

	Y	X
V	261148.589	324457.796


-5.677 ‰
268.036 m
-0.871 ‰
1089.987 m
NSS=354.480
KM 280+991.141
building
Ax pod tablier metalic D=65.30m
Axis of the metalic bridge D=65.30m
km 297+608.94
Reparatii POD GZCJ D=65.30m
km 281+066.156 (pr)
Riul Tirnava
cladire building
cladire building
C. F. R. AREA
ZONA C. F. R.
pasarela conducte desfiintat
abolished pipes bridge
stone-covered road
drum pamant
Ax pasaj superior L=13.40m
Road bridge axis L=13.40m
km 297+824.64
km 281+266.590
cab.
V21.05
V21.04
V21.03
R=300m
R=212m
1:9
101
103
105
107
109
111
B297.6
200.048410
AR
drum asfaltat
Asphalted road
cab.
+900
281+000
281+100
281+200
281+300
-5.693 ‰
267.260 m
-0.871 ‰
1090.000 m
NSS=354.480
KM 280+998.950
NSS=354.590
KM 281 + 279.710
NSS=354.173
KM 281 + 350.870
-5.719 ‰
71.16 m
-5.719 ‰
71.16 m
-0.871
153.286
Rv = 10000.000
Tv = 24.111
Bv = 0.029

V 21.24	
V=	80
U=	199.8653

	Y	X
V	261147.132	324467.183

V 21.27	
V=	80
U=	199.6290

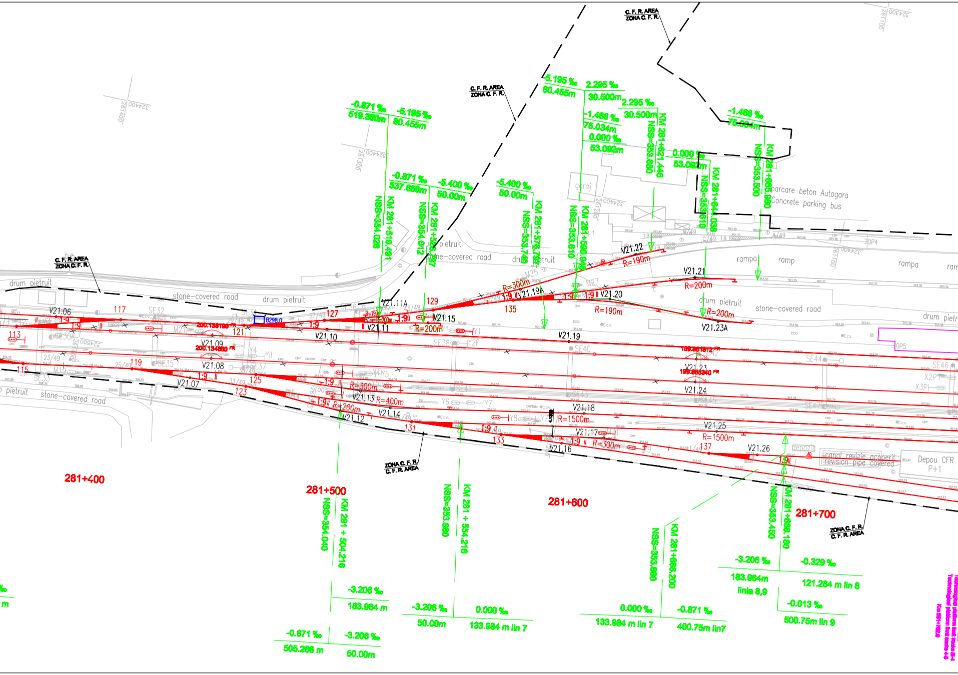
	Y	X
V	261015.185	324446.697

V 21.31	
V=	80
U=	199.8709

	Y	X
V	260989.025	324433.022

V 21.32	
V=	80
U=	199.5000

	Y	X
V	260987.524	324442.567

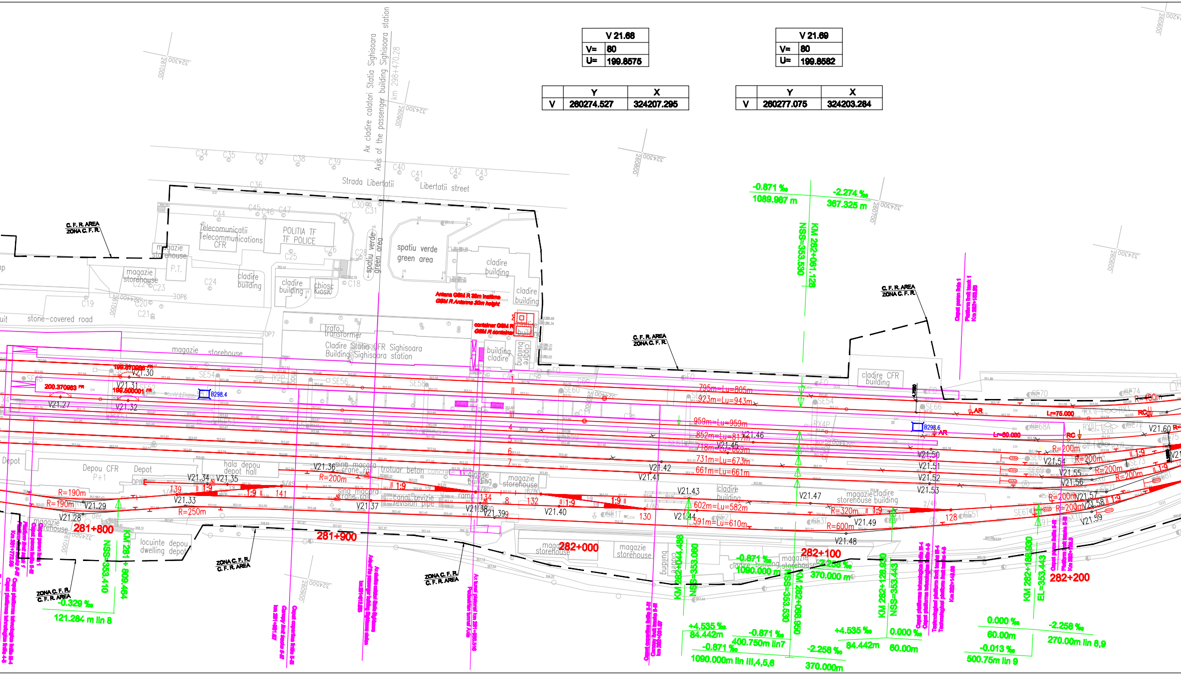

C. F. R. AREA
ZONA C. F. R.
-0.871 ‰
519.350m
-5.195 ‰
80.455m
-5.195 ‰
80.455m
2.295 ‰
30.500m
2.295 ‰
30.500m
-1.468 ‰
75.034m
0.000 ‰
53.092m
0.000 ‰
53.092m
-1.468 ‰
75.034m
-0.871 ‰
537.656m
-5.400 ‰
50.00m
-5.400 ‰
50.00m
NSS=354.028
KM 281+510.491
NSS=354.012
KM 281+528.297
NSS=353.740
KM 281+578.797
NSS=353.610
KM 281+590.946
NSS=353.690
KM 281+621.446
NSS=353.610
KM 281+644.038
NSS=353.500
KM 281+665.980
garaj
parcare beton Autogara
Concrete parking bus
drum pietruit
stone-covered road
rampa
ramp
V21.06
V21.07
V21.08
V21.09
V21.10
V21.11
V21.11A
V21.12
V21.13
V21.14
V21.15
V21.16
V21.17
V21.18
V21.19
V21.19A
V21.20
V21.21
V21.22
V21.23
V21.23A
V21.24
V21.25
V21.26
113
115
117
119
121
123
125
127
129
131
133
135
137
1:9
R=190m
R=200m
R=300m
R=400m
R=1500m
200.136190
200.134650
199.881812
199.883340
B298.0
Depou CFR
P+1
canal revizie acoperit
revision pipe covered
depozit
281+400
281+500
281+600
281+700
NSS=354.040
KM 281 + 504.216
NSS=353.880
KM 281 + 554.216
NSS=353.880
KM 281+688.200
NSS=353.450
KM 281+698.180
-3.206 ‰
183.964 m
-0.871 ‰
505.266 m
-3.206 ‰
50.00m
-3.206 ‰
50.00m
0.000 ‰
133.984 m lin 7
0.000 ‰
133.984 m lin 7
-0.871 ‰
400.75m lin7
-3.206 ‰
183.964m
linia 8,9
-0.329 ‰
121.264 m lin 8
-0.013 ‰
500.75m lin 9

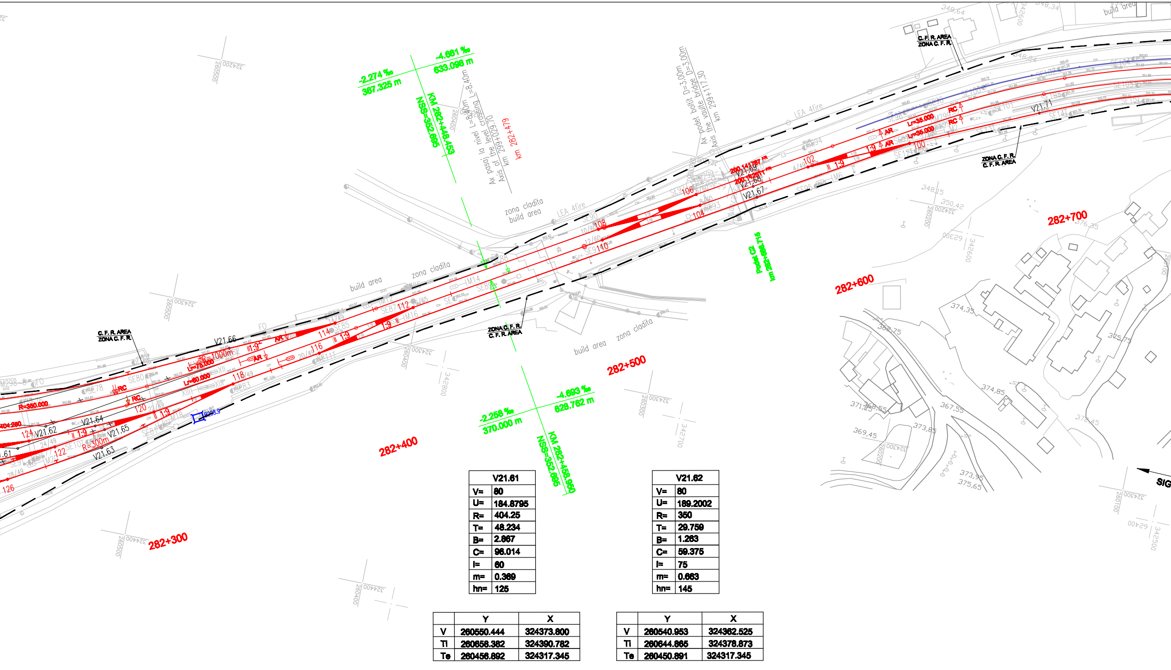
V 21.68	
V=	80
U=	199.8575

	Y	X
V	260274.527	324207.295

V 21.69	
V=	80
U=	199.8582

	Y	X
V	260277.075	324203.284


Ax cladire calatori Statia Sighisoara
Axis of the passenger building Sighisoara station
km 298+470.28
Strada Libertatii
Libertatii street
Telecomunicatii
Telecommunications
CFR
POLITIA TF
TF POLICE
spatiu verde
green area
cladire
building
chiosc
kiosk
magazie
storehouse
P.T.
stone-covered road
trafo
transformer
Cladire Statia CFR Sighisoara
Building Sighisoara station
Antena GSM R 30m inaltime
GSM R Antenna 30m height
container GSM R
GSM R container
C.F.R. AREA
ZONA C.F.R.
cladire CFR
building
Depou CFR
P+1
Depot
hala depou
depot hall
sina macara
crane rail
trotuar beton
concrete
canal revizie
revision pipe
locuinte depou
dwelling depot
281+800
281+900
282+000
282+100
282+200
KM 281+909.464
NSS=353.410
KM 282+044.488
NSS=353.060
KM 282+061.128
NSS=353.590
KM 282+098.950
NSS=353.530
KM 282+126.950
NSS=353.443
KM 282+188.950
EL=353.443
-0.871 ‰
1089.987 m
-2.274 ‰
367.325 m
-0.329 ‰
121.284 m lin 8
+4.535 ‰
84.442m
-0.871 ‰
400.750m lin7
-0.871 ‰
1090.000m lin III,4,5,6
-2.258 ‰
370.000m
+4.535 ‰
84.442m
0.000 ‰
60.00m
0.000 ‰
60.00m
-2.258 ‰
270.00m lin 8,9
-0.013 ‰
500.75m lin 9
-0.871 ‰
1090.000 m
-2.258 ‰
370.000 m
795m=Lu=805m
923m=Lu=943m
959m=Lu=959m
852m=Lu=817m
718m=Lu=669m
731m=Lu=673m
661m=Lu=661m
602m=Lu=582m
591m=Lu=610m
V21.27
V21.28
V21.29
V21.30
V21.31
V21.32
V21.33
V21.34
V21.35
V21.36
V21.37
V21.38
V21.39
V21.40
V21.41
V21.42
V21.43
V21.44
V21.45
V21.46
V21.47
V21.48
V21.49
V21.50
V21.51
V21.52
V21.53
V21.54
V21.55
V21.56
V21.57
V21.58
V21.59
V21.60
R=190m
R=250m
R=200m
R=320m
R=600m
R=400m
1:9
139
141
134
132
130
128
200.370963
199.670986
199.500001
B298.4
B298.6
AR
RC
Lr=75.000
Lr=60.000
4
5
6
7
8

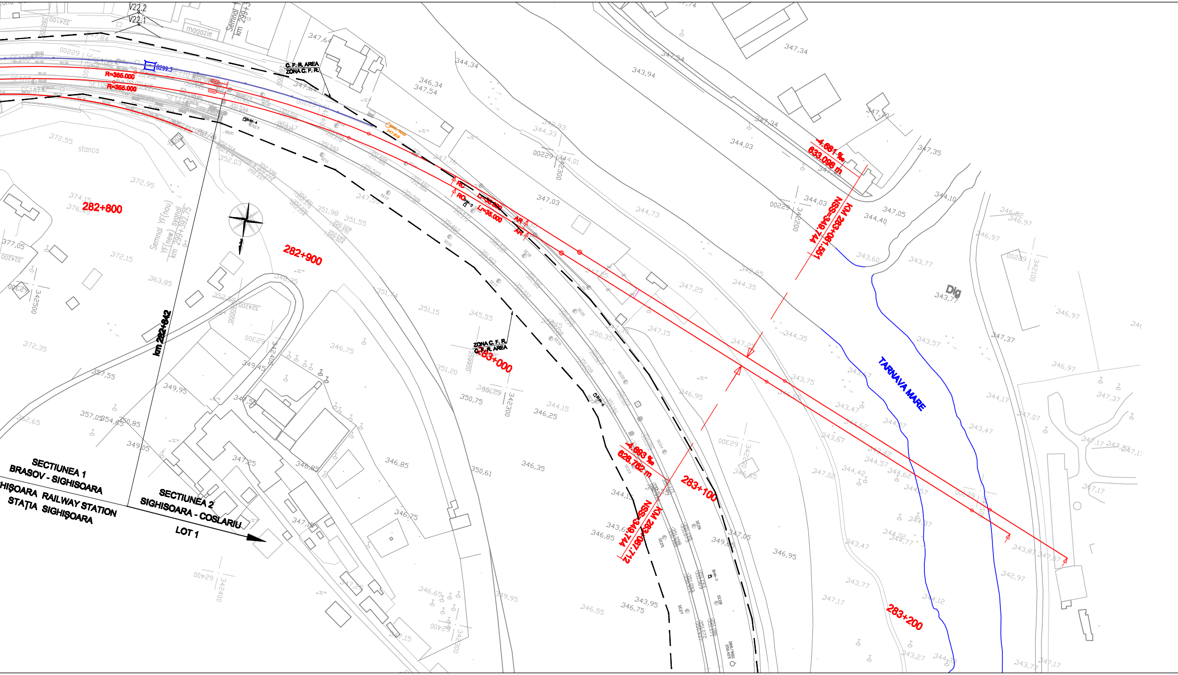

-2.274 ‰
367.325 m
-4.661 ‰
633.098 m
KM 282+448.453
NSS=352.695
Ax pasaj la nivel L=8.40m
Axis of the level crossing L=8.40m
km 299+029.70
km 282+479
Ax podet boltit D=3.00m
Axis the vaulte bridge D=3.00m
km 299+117.30
Podet C2
km 282+566.715
zona cladita
build area
LEA 4fire
C. F. R. AREA
ZONA C. F. R.
ZONA C. F. R.
C. F. R. AREA
V21.66
V21.62
V21.64
V21.65
V21.63
V21.67
V21.68
V21.69
V21.71
R=350.000
R=1000m
R=300m
L=75.000
L=60.000
L=35.000
1:9
RC
AR
282+300
282+400
282+500
282+600
282+700
-2.258 ‰
370.000 m
-4.693 ‰
628.762 m
KM 282+458.950
NSS=352.695
SIG

V21.61	
V=	80
U=	184.8795
R=	404.25
T=	48.234
B=	2.867
C=	96.014
l=	60
m=	0.369
hn=	125

V21.62	
V=	80
U=	189.2002
R=	350
T=	29.759
B=	1.263
C=	59.375
l=	75
m=	0.663
hn=	145

	Y	X
V	260550.444	324373.800
Ti	260658.382	324390.782
Te	260456.892	324317.345

	Y	X
V	260540.953	324362.525
Ti	260644.865	324378.873
Te	260450.891	324317.345


V22.2
V22.1
magazie
Semnal
km 299+3
C. F. R. AREA
ZONA C. F. R.
B299.3
R=355.000
R=355.000
stanca
282+800
282+900
Semnal YF(nou)
YF(new) signal
km 299+392.75
km 282+842
RC
RO
BHM-5
Lr=35.000
Lr=35.000
AR
AR
-4.681 ‰
633.098 m
NSS=349.744
KM 283+081.551
Dig
TARNAVA MARE
ZONA C. F. R.
C. F. R. AREA
283+000
-4.693 ‰
628.762 m
NSS=349.744
KM 283+087.712
283+100
283+200
BHM-6
BHM-7
SECTIUNEA 1
BRASOV - SIGHISOARA
SIGHIŞOARA RAILWAY STATION
STAŢIA SIGHIŞOARA
SECTIUNEA 2
SIGHISOARA - COSLARIU
LOT 1

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		OBSERVATII OBSERVATION
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSITI DISMANTLING	X	Y	
1	101	●		60	1:9	300	flexibil	•		261653.797	324545.419	
2	103		●	60	1:9	300	flexibil	•		261615.136	324529.792	Bretea de constructie speciala nr. 103-105
3	105	●		60	1:9	300	flexibil	•		261570.669	324522.888	
4	107		●	60	1:9	300	flexibil	•		261529.090	324526.057	
5	109		●	60	1:9	300	flexibil	•		261472.479	324517.268	
6	111		●	60	1:9	300	flexibil	•		261450.964	324499.177	
7	113	●		60	1:9	300	flexibil	•		261426.203	324500.458	
8	115		●	60	1:9	300	flexibil	•		261420.484	324515.014	
9	117	●		60	1:9	300	flexibil	•		261384.687	324489.206	
10	119		●	60	1:9	300	flexibil	•		261375.988	324508.106	
11	121	●		60	1:9	300	flexibil	•		261334.286	324481.380	
12	123		●	60	1:9	300	flexibil	•		261325.484	324505.865	
13	125		●	60	1:9	300	flexibil	•		261325.484	324500.265	
14	127		●	49	1:9	190	flexibil	•		261302.203	324472.684	
15	129	●		49	1:9	190	flexibil	•		261259.044	324459.600	
16	131	●		60	1:9	300	flexibil	•		261258.574	324506.529	
17	133	●		60	1:9	300	flexibil	•		261221.272	324504.353	
18	135	●		49	1:9	190	flexibil	•		261227.534	324449.015	
19	137	●		60	1:9	300	flexibil	•		261135.779	324494.896	
20	139		●	60	1:9	300	flexibil	•		260960.041	324476.507	
21	141	●		49	1:9	190	flexibil	•		260918.461	324464.524	

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		OBSERVATII OBSERVATION
		STG. LEFT	DR. RIGHT					NOI NEW	REFOLOSITI DISMANTLING	X	Y	
1	100		●	60	1:9	300	flexibil	•		260214.854	324177.007	
2	102		●	60	1:9	300	flexibil	•		260253.949	324194.939	
3	104			60	1:9	300	flexibil	•		260294.496	324219.345	Bretea nr. 104 - 106 - 108 - 110
4	106			60	1:9	300	flexibil	•		260296.950	324215.278	
5	108			60	1:9	300	flexibil	•		260333.552	324237.366	
6	110			60	1:9	300	flexibil	•		260331.098	324241.433	
7	112	●		60	1:9	300	flexibil	•		260402.138	324284.303	
8	114		●	60	1:9	300	flexibil	•		260432.381	324297.005	
9	116	●		60	1:9	300	flexibil	•		260436.286	324310.458	
10	118	●		60	1:9	300	flexibil	•		260468.687	324330.010	
11	120		●	60	1:9	300	flexibil	•		260498.337	324347.903	
12	122		●	60	1:9	300	flexibil	•		260535.550	324370.161	
13	124		●	60	1:9	300	flexibil	•		260546.493	324369.881	
14	126		●	60	1:9	300	flexibil	•		260552.064	324387.184	
15	128		●	60	1:9	300	flexibil	•		260645.673	324419.055	
16	130		●	60	1:9	300	flexibil	•		260769.606	324443.831	
17	132		●	49	1:9	190	flexibil	•		260812.800	324446.394	
18	134		●	49	1:9	190	flexibil	•		260839.455	324450.968	

TABEL CURBE PROIECT
DESIGNED CURVES -

NR.CURBA NO.CURVE	V SPEED (km/h)	ELEMENTE ELEMENTS					h_n
		U	R	T	B	C	(mm)
V21.04	40	199.5000		FRANTURA			0
V21.04A	40	191.5023	212	14.170	0.473	28.298	0
V21.05	40	192.2308	300	18.328	0.559	36.611	0
V21.06	40	199.5000	FRANTURA				0
V21.07	40	199.5000	FRANTURA				0
V21.10	40	199.7236	FRANTURA				0
V21.11	40	196.7295	200	5.138	0.066	10.274	0
V21.11A	40	196.2181	190	5.645	0.083	11.287	0
V21.12	40	192.5068	200	11.784	0.347	23.541	0
V21.13	40	192.9554	300	16.615	0.460	33.197	0
V21.14	30	192.2958	400	24.233	0.733	48.407	0
V21.15	30	196.7460	200	5.112	0.065	10.222	0
V21.16	40	199.6963	FRANTURA				0
V21.17	30	192.6537	300	17.329	0.500	34.619	0
V21.18	35	198.8404	1500	13.662	0.062	27.322	0
V21.19	40	199.7236	FRANTURA				0
V21.19A	35	196.1671	300	9.033	0.136	18.062	0
V21.20	35	186.1478	190	20.753	1.130	41.342	0
V21.21	35	189.4450	200	16.617	0.689	33.159	0
V21.22	35	192.6357	190	11.001	1.278	21.978	0
V21.25	30	199.0514	1500	11.176	0.042	22.351	0
V21.25A	30	191.3574	200	13.596	0.461	27.151	0
V21.26	40	199.4323	FRANTURA				0
V21.27	40	199.6290	FRANTURA				0
V21.28	30	185.5454	190	21.663	1.231	43.140	0
V21.29	30	185.5454	190	21.663	1.231	43.140	0
V21.30	40	199.8710	FRANTURA				0
V21.31	40	199.8710	FRANTURA				0
V21.32	40	199.5000	FRANTURA				0
V21.33	30	192.5288	250	14.687	0.431	29.339	0
V21.34	30	199.6199	FRANTURA				0
V21.35	30	199.5000	FRANTURA				0
V21.36	30	193.2615	200	10.595	0.280	21.170	0
V21.37	30	199.6387	FRANTURA				0

TABEL COORDONAT
MILLE STONE COO

nr.borna mille stone no.	X [m]
297.3	261972.521
297.6	261643.824
298.0	261328.553
298.4	260957.178
298.6	260665.947
298.9	260479.953
299.3	260054.774

ATE - LINII ABATERE CAP X
ON DEVIATION LINES TABLE X END

COORDONATE		COORDINATES			
V		Ti		Te	
X	Y	X	Y	X	Y
261537.063	324511.850	FRANTURA		FRANTURA	
261496.177	324527.077	261511.765	324531.055	261484.174	324524.903
261496.797	324500.639	261514.909	324503.450	261478.478	324500.055
261410.992	324493.290	FRANTURA		FRANTURA	
261351.854	324507.058	FRANTURA		FRANTURA	
261300.447	324476.127	FRANTURA		FRANTURA	
261277.366	324468.828	261282.444	324469.617	261272.336	324467.780
261280.411	324466.778	261285.860	324468.255	261275.060	324464.960
261288.290	324508.263	261300.053	324507.563	261276.526	324507.576
261281.783	324498.368	261296.383	324499.088	261265.364	324495.819
261268.327	324502.776	261292.528			
261260.047	324465.220	261265.052	324466.263	261254.995	324464.434
261196.223	324502.892	FRANTURA		FRANTURA	
261179.587	324497.243	261196.669	324500.157	261162.283	324496.316
261189.548	324489.071	261203.007	324491.412	261176.047	324486.975
261201.564	324461.213	FRANTURA		FRANTURA	
261225.563	324444.052	261233.756	324447.857	261217.613	324439.761
261188.465	324440.547	261208.747	324444.943	261167.713	324440.633
261155.930	324424.960	261171.683	324430.252	261139.520	324422.341
261181.759	324420.408	261191.433	324425.630	261170.967	324416.106
261134.425	324485.355	261145.441	324487.234	261123.381	324483.640
261142.902	324440.736	261156.499	324440.680	261129.423	324438.952
261115.996	324491.563	FRANTURA		FRANTURA	
261015.185	324446.697	FRANTURA		FRANTURA	
260996.378	324492.183	261018.010	324493.342	260975.562	324486.184
260998.282	324487.528	261019.914	324488.687	260977.467	324481.528
260989.759	324428.329	FRANTURA		FRANTURA	
260989.030	324433.023	FRANTURA		FRANTURA	
260987.524	324442.567	FRANTURA		FRANTURA	
260955.755	324480.476	260969.867	324484.543	260941.264	324478.089
260948.534	324469.750	FRANTURA		FRANTURA	
260940.387	324468.287	FRANTURA		FRANTURA	
260898.799	324454.490	260909.249	324456.231	260888.223	324453.862
260881.034	324462.951	FRANTURA		FRANTURA	

E BORNE RETEA
RDINATES TABLE

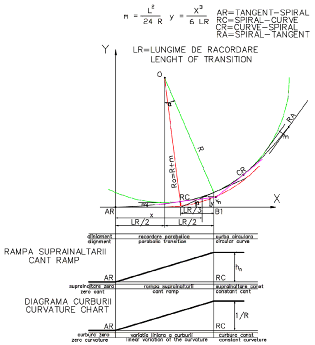
Y [m]	Z [m]
324592.267	355.08
324550.265	353.76
324477.893	353.88
324433.588	353.49
324388.286	353.47
324346.417	353.84
324111.935	350.97

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_n (mm)	COORDONATE		COORDINATES			
								V		Ti		Te	
		U	R	T	B	C		X	Y	X	Y	X	Y
V21.38	40	199.5000	FRANTURA				0	260836.641	324455.074	FRANTURA		FRANTURA	
V21.39	40	199.5000	FRANTURA				0	260829.691	324459.714	FRANTURA		FRANTURA	
V21.40	40	199.5000	FRANTURA				0	260804.488	324449.816	FRANTURA		FRANTURA	
V21.41	40	199.5000	FRANTURA				0	260770.324	324428.825	FRANTURA		FRANTURA	
V21.42	40	199.5000	FRANTURA				0	260766.674	324423.416	FRANTURA		FRANTURA	
V21.43	40	199.5000	FRANTURA				0	260752.639	324436.072	FRANTURA		FRANTURA	
V21.44	40	199.5000	FRANTURA				0	260748.297	324440.175	FRANTURA		FRANTURA	
V21.45	40	199.5000	FRANTURA				0	260740.572	324414.340	FRANTURA		FRANTURA	
V21.46	40	199.5000	FRANTURA				0	260731.208	324407.998	FRANTURA		FRANTURA	
V21.47	35	199.5000	FRANTURA				0	260703.015	324427.958	FRANTURA		FRANTURA	
V21.48	40	191.5204	600	40.018	1.333	79.918	0	260686.116	324437.224	260725.652	324443.417	260647.752	324425.836
V21.49	40	193.4677	320	16.432	0.422	32.835	0	260686.032	324429.994	260702.248	324432.646	260670.172	324425.695
V21.50	40	199.5000	FRANTURA				0	260658.707	324396.158	FRANTURA		FRANTURA	
V21.51	30	199.5000	FRANTURA				0	260658.007	324400.849	FRANTURA		FRANTURA	
V21.52	30	199.5000	FRANTURA				0	260657.195	324405.537	FRANTURA		FRANTURA	
V21.53	30	199.5000	FRANTURA				0	260656.466	324410.231	FRANTURA		FRANTURA	
V21.54	30	189.8291	200	16.010	0.640	31.953	0	260596.809	324386.858	260614.630	324389.314	260583.580	324381.916
V21.55	30	182.7845	200	27.208	1.842	54.084	0	260592.544	324390.692	260619.430	324394.867	260567.751	324379.488
V21.56	40	182.7845	200	27.208	1.842	54.084	0	260591.135	324395.280	260618.021	324399.455	260566.341	324384.076
V21.57	30	175.7399	200	38.576	3.686	76.215	0	260584.224	324399.014	260622.343	324404.933	260551.041	324379.343
V21.58	30	190.5412	200	14.865	0.553	29.716	0	260590.865	324404.199	260605.232	324408.093	260577.233	324398.222
V21.59	30	185.0174	200	23.644	1.393	47.069	0	260588.534	324408.256	260611.200	324414.985	260568.061	324396.428
V21.60	30	180.8013	400	60.775	4.590	120.629	0	260566.333	324361.709	260626.370	324371.155	260511.811	324334.857
V21.63	30	191.7432	300	19.482	0.632	38.909	0	260516.527	324366.652	260533.395	324376.398	260501.060	324354.806
V21.64	30	199.5000	FRANTURA					260520.999	324358.359	FRANTURA		FRANTURA	
V21.65	30	199.5000	FRANTURA				0	260516.872	324359.088	FRANTURA		FRANTURA	
V21.66	30	198.3878	1000	12.663	0.080	25.324	0	260473.145	324315.814	260484.505	324321.409	260461.646	324310.509
V21.67	30	199.8575	FRANTURA				0	260272.105	324211.381	FRANTURA		FRANTURA	

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

NO NR. CRT.	DENUMIREA LINIEI C.F. DENOMINATION OF THE RAILWAY LINE	DE LA FROM	PRIN BY	PANĂ LA TO	LUNGIMEA CONSTRUCTIVA LENGHT CONSTRUCTIVE (m)	LUNGIMEA REALA LENGHT REALE (m)	LUNGIMEA UTILA LENGHT USABLE (m)
1	Linia 1 / Line 1	PJ113	117, 121	PJ 114	1052.420	919.500	795/805
2	Linia II / Line II	PJ103	105, 113, 114, 108	PJ 106	1403.370	1203.920	923/943
3	Linia III / Line III	PJ101	107, 109, 112, 110, 104	PJ 102	1494.110	1261.500	959/959
4	Linia 4 / Line 4	PJ109	115, 119, 125, 124, 120, 118, 116	PJ 112	1140.023	840.953	852/817
5	Linia 5 / Line 5	PJ125	- - - - -	PJ 124	824.760	758.300	718/669
6	Linia 6 / Line 6	PJ119	123, 122	PJ 120	933.147	800.227	731/673
7	Linia 7 / Line 7	PJ123	131	PJ 122	842.086	748.486	661661
8	Linia 8 / Line 8	PJ131	133, 137, 139, 130, 128, 126	PJ 118	849.405	614.015	602/582
9	Linia 9 / Line 9	PJ133	- - - - - -	PJ 126	711.216	650.846	591/610


$m = \frac{L^2}{24\,R}$ $y = \frac{X^3}{6\,LR}$
AR=TANGENT-SPIRAL
RC=SPIRAL-CURVE
CR=CURVE-SPIRAL
RA=SPIRAL-TANGENT
LR=LUNGIME DE RACORDARE
LENGHT OF TRANSITION
Y
X
O
α
R
Ro=R+m
RC
CR
RA
m
AR
B1
x
y
yn
LR/3
LR/2
LR/2
aliniament
alignment
racordare parabolica
parabolic transition
curba circulara
circular curve
RAMPA SUPRAINALTARII
CANT RAMP
AR
RC
hn
supralnaltare zero
zero cant
rampa supralnaltarii
cant ramp
supralnaltare const
constant cant
DIAGRAMA CURBURII
CURVATURE CHART
AR
RC
1/R
curbura zero
zero curvature
variatia liniara a curburii
linear variation of the curvature
curbura const
constant curvature

TIPUL SINEI TYPE OF RAIL	OBSERVATII REMARKS
UIC60	
UIC60	
UIC60	
UIC60	
UIC60	
UIC60	
UIC60	
UIC60	
UIC60	

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

AD
Aparat de dilatatie-joante de compensare
Expancion device-compensating joint

D					
C					
B					
A					
Indice Index	Data Date	Modificare Modification/Revision	Proiectant Designer	Aprobat Consultant Approved Consultant	Aprobat CFR Approved 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 Sub contractant Subcontractor Responsible	A.Stanciu - Dinulescu		
Întocmit Elaborated	Proiectant Designer	V. Gradin	12.2011	

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 - Staţia Sighişoara
Sighişoara station - Track Layout on designed plan

Codificare / Codification System	Scara / Scale 1:1000	LOT / LOT	Nr. / No

E A 5 1 | 0 1 | C | 2 1 | L 7 | S L | 0 1 | 1 | 0 | 0 0 4 | 1