LEGENDA / LEGEND

- Ax c.f. existent / Existing railway axis
- Ax c.f. desfiintat / Dismantled railway axis
- Aparat de cale existent / Existing turnout
- Aparat de cale desfiintat / Dismantled turnout
- Ax c.f. proiectat / Designed railway axis
- Aparat de cale proiectat / Designed turnout
- Aparat de compensare / Expansion device
- Dispozitiv de ridicat vagoane / Lifting device for derailed wagons
- 60 49 Panou de racordare / Transition panel
- Joanta de compensare / Rail expansion joint
- Contrasine / Check rails
- Marca de siguranta / Fouling point
- 21N Dren longitudinal cu camin de vizitare / Longitudinal drain with inspection manhole
- ● Camin de separare lichide usoare / Light liquids separation manhole
- Teava metalica de protectie / Metal pipe protection
- Sant din beton / Concrete ditch
- ☒ Borne de retea / Benchmarks
- Drum de intretinere proiectat / Designed maintenance road
- Terasament proiectat / Designed embankment
- I Stalp al liniei de contact / Designed contact line pole
- Zona CFR / CFR Zone
- Limita de siguranta / Safety limit

NSS	nivel superior sina top of rail
h	supraínaltarea caii, in mm cant, in mm
AR	aliniament-racordare, punctul de trecere din aliniament in curba progresiva tangent to spiral, transition point from tangent to spiral
RC	racordare-curba, punctul de trecere din curba progresiva in curba circulara spiral to curve, transition point from spiral to circular curve
CR	curba-racordare, punctul de trecere din curba circulara in curba progresiva curve to spiral, transition point from circular curve to spiral
RA	racordare-aliniament, punctul de trecere din curba progresiva in aliniament spiral to tangent, transition point from spiral curve to tangent
Ti	tangenta de intrare point of change from tangent to circular curve
Te	tangenta de iesire point of change from circular curve to tangent
TC	punct de tangenta comuna intre doua curbe circulare common tangent point between two circular curves
R	raza curbei circulare, in m radius of circular curve, in m
T	tangenta curbei circulare, in m tangent of circular curve, in m
B	bisectoarea curbei circulare, in m bisector of circular curve, in m
C	lungimea curbei circulare, in m length of circular curve, in m
Lr	lungimea curbei progresive, in m length of spiral, in m
U	unghiul total de abatere, in grade centesimale total deflection angle, in centesimal degrees
Rv	raza curbei de racordare in plan vertical, in m radius of vertical curve, in m
Bv	bisectoarea curbei de racordare in plan vertical, in m bisector of vertical curve, in m
Tv	tangenta curbei de racordare din plan vertical, in m tangent of vertical curve, in m

26.01

Acest plan anuleaza si inlocuieste planul nr. PT.03.01.26.SU.101 - 01/01
elaborat la data 01.2013
This layout plan canceled and replaced layout plan no. PT.03.01.26.SU.101 - 01/01
prepared on 01.2013

Verificator / Expert Checker / Expert	Cerința Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise
STOICESCU A. GEORGE Nr. 05985		CHIRICA C. ANTON	CICU D. MARIN Nr. 06628

European Investment Bank

MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :

CFR

COMPANIA NAȚIONALĂ DE CĂI FERATE "CFR" SA

PROIECTANT / DESIGNER: PÖYRY			Data Date	Semnatura 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	I. Branciu	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 3: Gurasada - Simeria
"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 3: Gurasada - Simeria

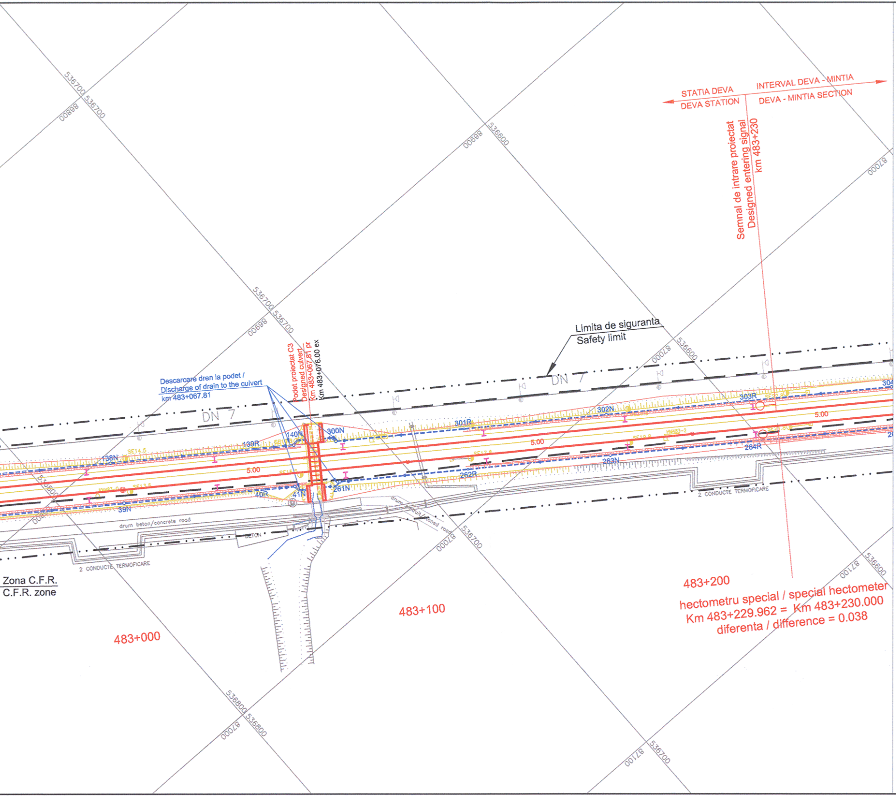
Project 9i
35311.1

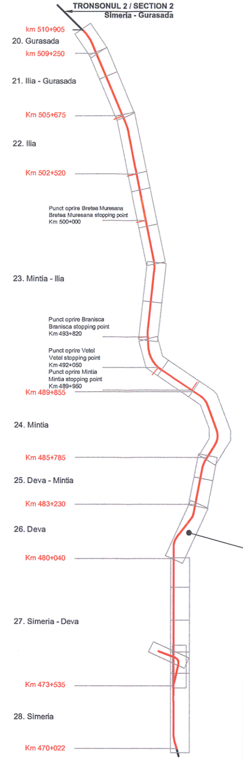
Faza / Phase:
PTH+CS / TD+TS

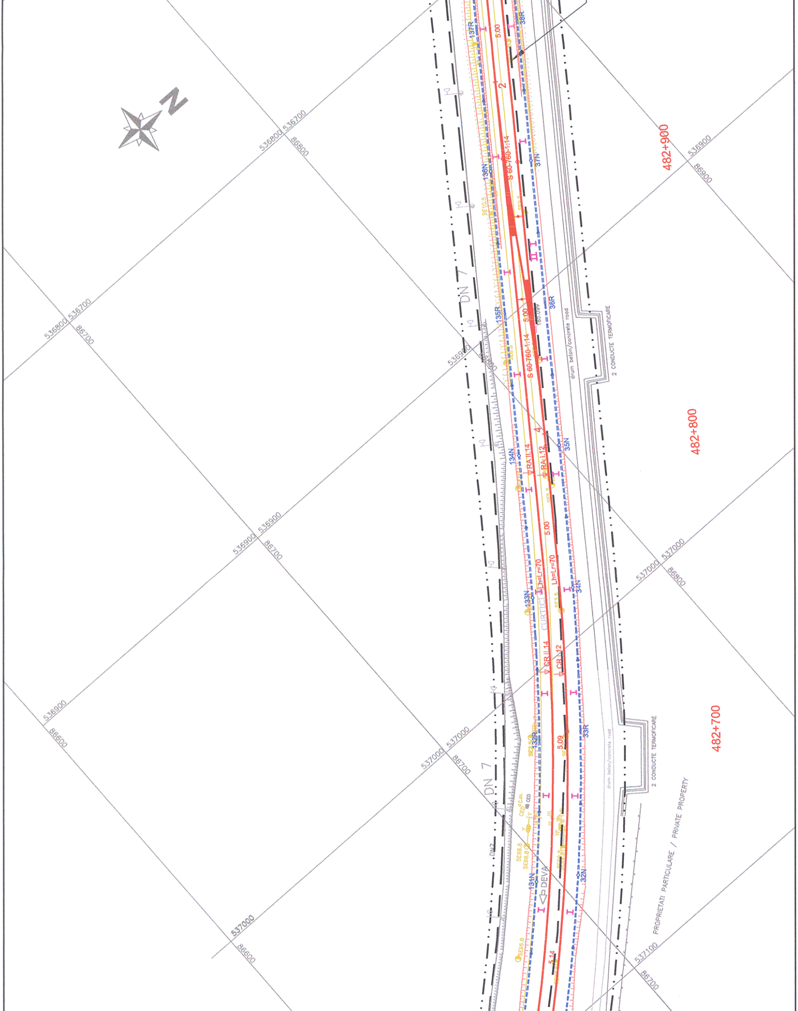
Denumire desen / Drawing name:

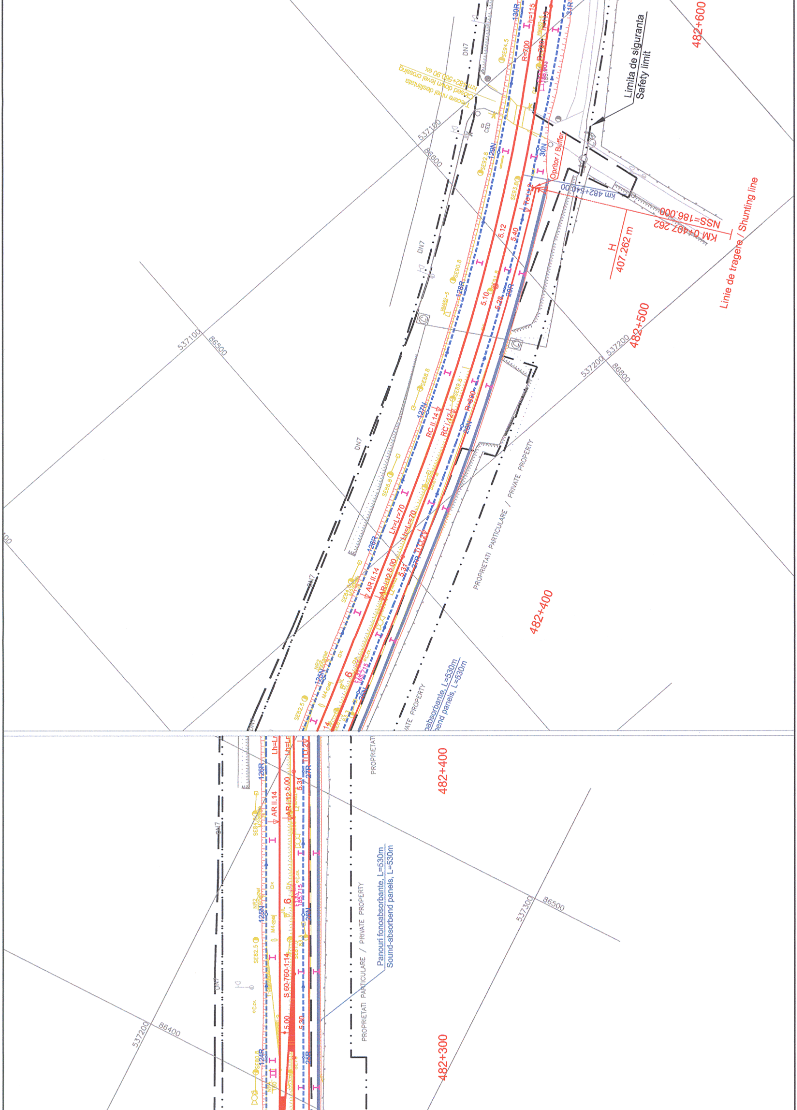
Plan de situație - Stația Deva / Deva Station - Layout plan
km 480+040.00 - km 483+230.00

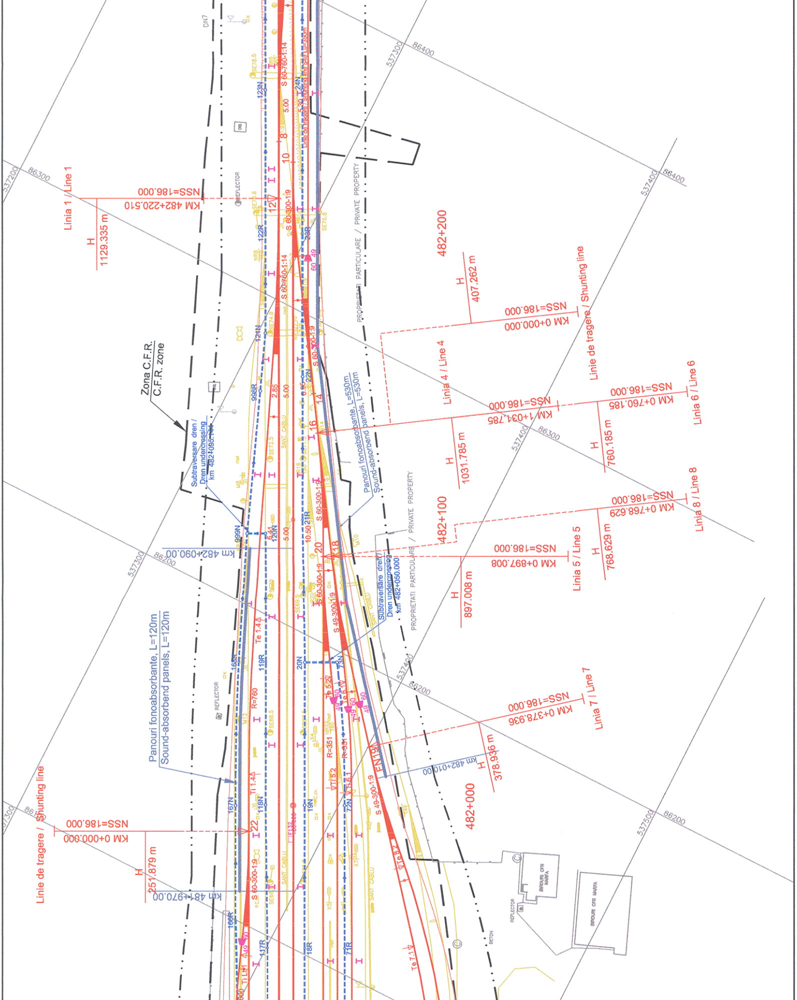
Scara / Scale	Revizia / Revision	Cod desen / Drawing Code	Nr / No
1:1000	1/05.2013	PT.03.01.26.SU.101	01/01

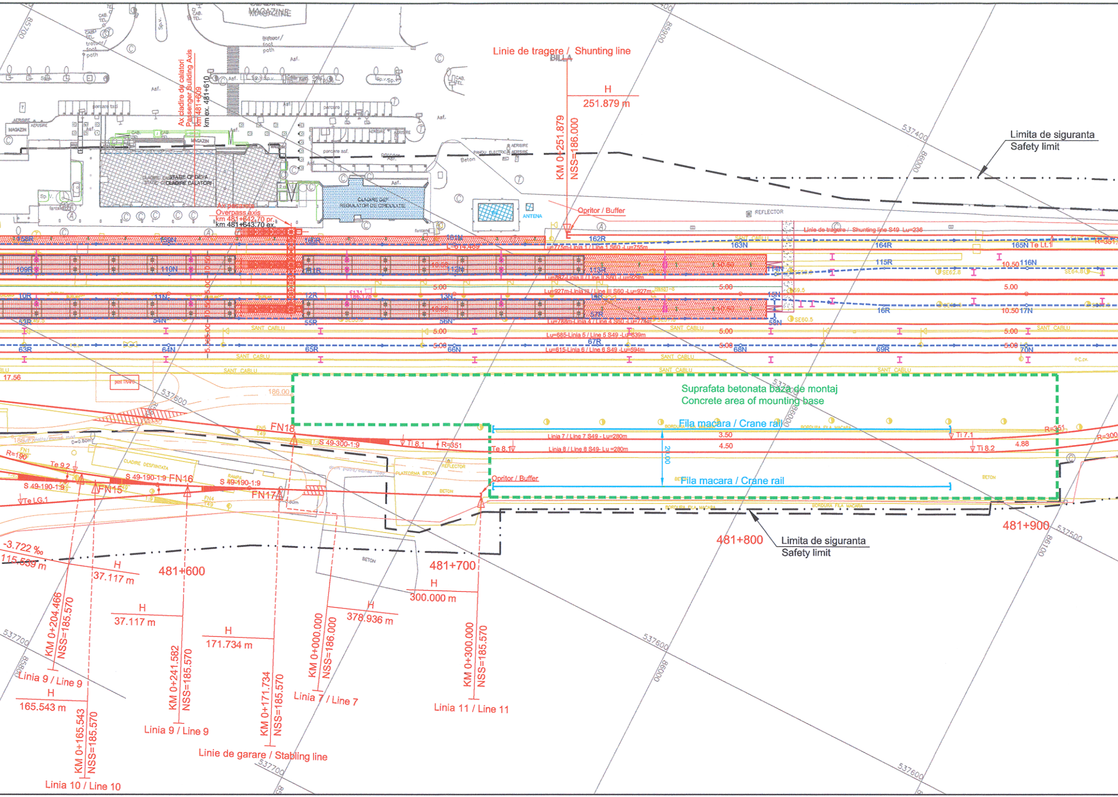

STATIA DEVA
DEVA STATION
INTERVAL DEVA - MINTIA
DEVA - MINTIA SECTION
Semnal de intrare proiectat
Designed entering signal
km 483+230
Limita de siguranta
Safety limit
DN 7
Descarcare dren la podet /
Discharge of drain to the culvert
km 483+067.81
Podet proiectat C3
Designed culvert
Km 483+067.81 pr
Km 483+076.00 ex
303R
302N
301R
300N
140N
139R
138N
264R
263N
262R
261N
41N
40R
39N
5.00
drum beton/concrete road
2 CONDUCTE TERMOFICARE
BETON
Zona C.F.R.
C.F.R. zone
483+000
483+100
483+200
hectometru special / special hectometer
Km 483+229.962 = Km 483+230.000
diferenta / difference = 0.038
536700
536600
536800
86900
87000
87100


TRONSONUL 2 / SECTION 2
Simeria - Gurasada
km 510+905
20. Gurasada
km 509+250
21. Ilia - Gurasada
Km 505+675
22. Ilia
Km 502+520
Punct oprire Bretea Muresana
Bretea Muresana stopping point
Km 500+000
23. Mintia - Ilia
Punct oprire Branisca
Branisca stopping point
Km 493+820
Punct oprire Vetel
Vetel stopping point
Km 492+050
Punct oprire Mintia
Mintia stopping point
Km 489+950
Km 489+855
24. Mintia
Km 485+785
25. Deva - Mintia
Km 483+230
26. Deva
Km 480+040
27. Simeria - Deva
Km 473+535
28. Simeria
Km 470+022

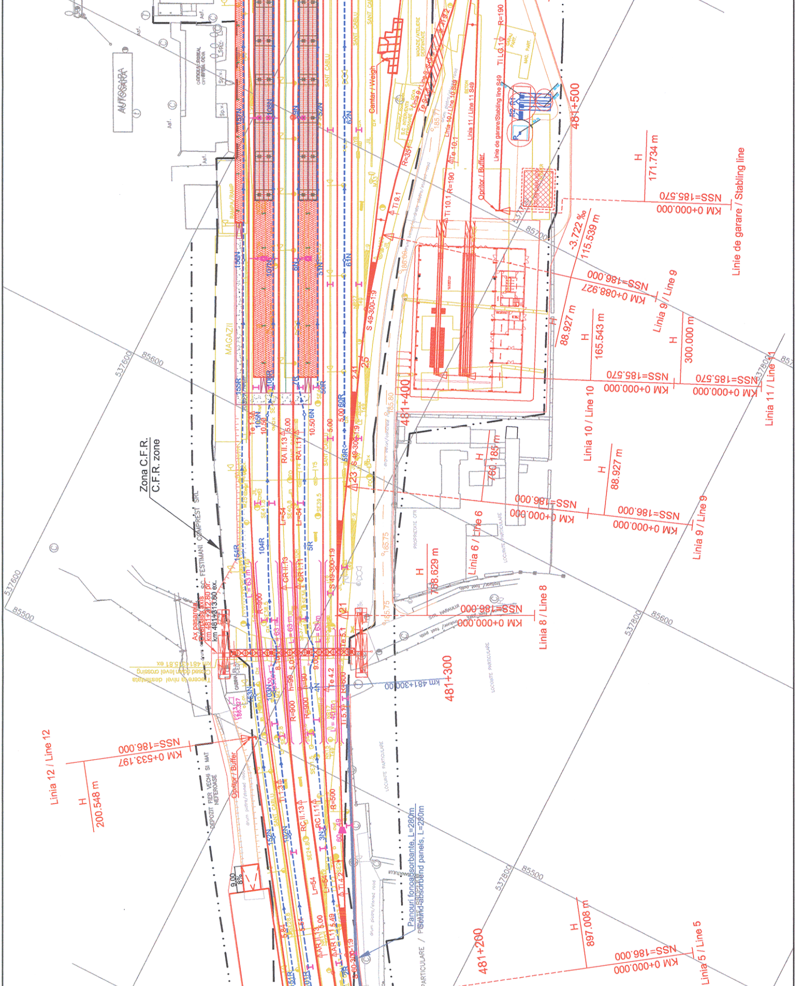

N
536800
536700
86800
482+900
536900
86900
137R
38R
5.00
2
136N
S 60-760-1:14
37N
DN 7
135R
36R
5.00
S 60-760-1:14
drum beton/concrete road
2 CONDUCTE TERMOFICARE
482+800
536800
536700
86700
4
134N
RA II.14
RA I.12
35N
536900
86700
536900
5.00
537000
537000
86800
Lh=Lr=70
Lh=Lr=70
133N
CURTICI
34N
CR II.14
CR I.12
482+700
536900
86600
537000
537000
86700
DN 7
132R
5.09
33R
drum beton/concrete road
2 CONDUCTE TERMOFICARE
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
131N
DEVA
32N
537000
86600
5.14
537100
86700

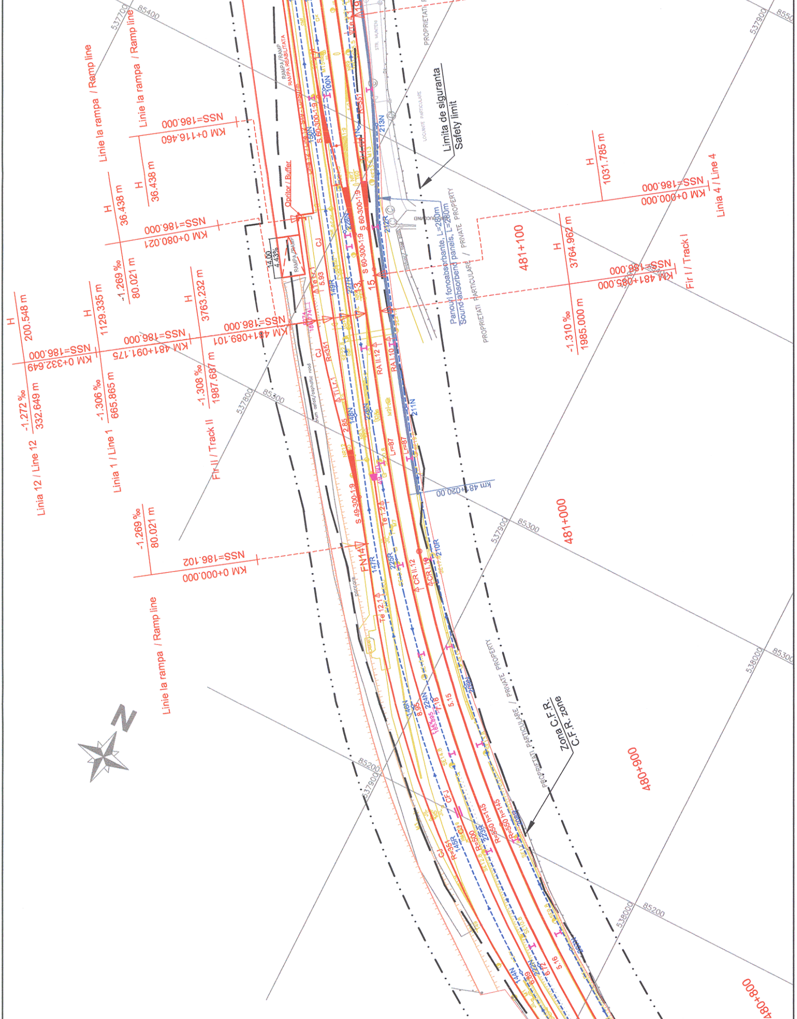

Limita de siguranta
Safety limit
Opritor / Buffer
km 482+540.00
NSS=186.000
KM 0+407.262
H
407.262 m
Linie de tragere / Shunting line
Trecere nivel desfiintata
Closed down level crossing
km 482+560.90 ex
482+600
482+500
482+400
482+300
DN7
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
Panouri fonoabsorbante, L=530m
Sound-absorbend panels, L=530m
S.60-760-1:14
R=700
R=880
RC II.14
RC I.12
AR II.14
AR I.12
Lh=Lr=70
124R
125N
126R
127N
128R
129N
130R
25R
26N
27R
28N
29R
30N
31R
537100
86500
537200
86600
537300
86400

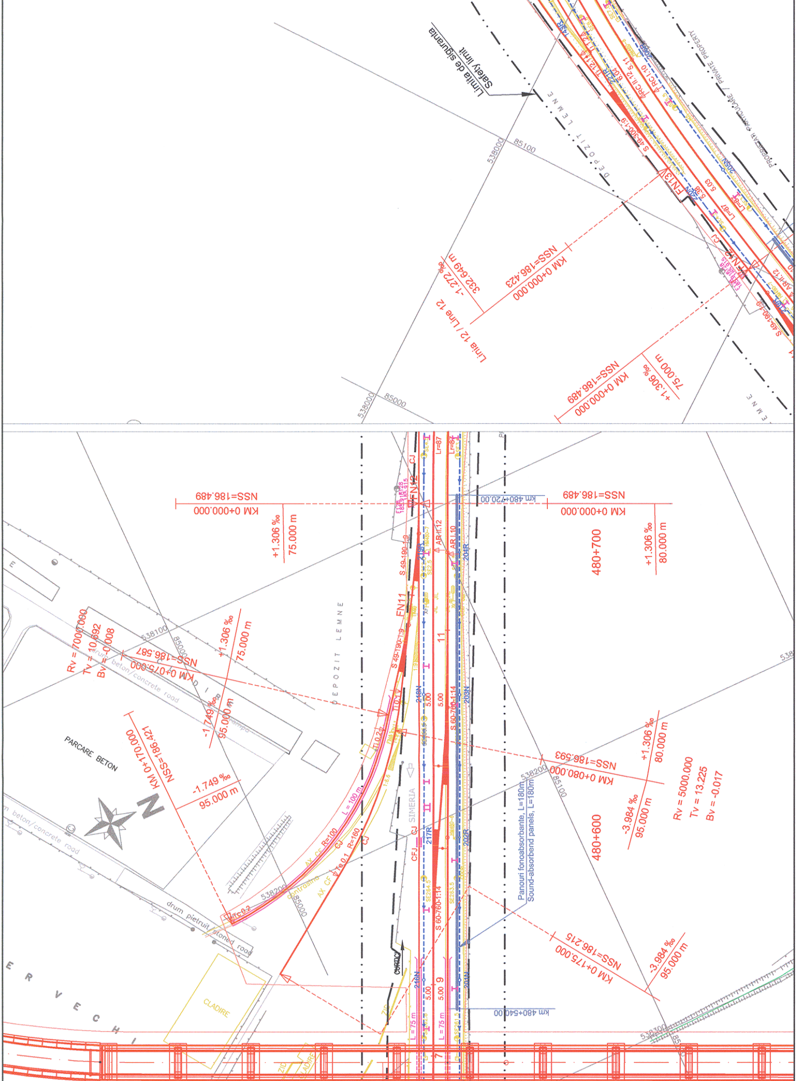

DN7
537300
86400
537200
86300
537400
86400
Linia 1 / Line 1
NSS=186.000
KM 482+220.510
H
1129.335 m
REFLECTOR
S 60-760-1:14
S 60-300-1:9
123N
122R
24N
23R
12
10
8
5.00
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
482+200
H
407.262 m
NSS=186.000
KM 0+000.000
Linie de tragere / Shunting line
Zona C.F.R.
C.F.R. zone
121N
998R
22N
2.85
5.00
14
16
S 60-300-1:9
Panouri fonoabsorbante, L=530m
Sound-absorbend panels, L=530m
Linia 4 / Line 4
NSS=186.000
KM 1+031.785
H
1031.785 m
NSS=186.000
KM 0+760.185
Linia 6 / Line 6
H
760.185 m
537400
86300
Subtraversare dren /
Dren undercrossing
km 482+095.1..
SANT CABLU
999N
120N
21R
5.00
10.50
20
18
S 60-300-1:9
482+100
NSS=186.000
KM 0+768.629
Linia 8 / Line 8
H
768.629 m
NSS=186.000
KM 0+897.008
Linia 5 / Line 5
H
897.008 m
537300
86200
km 482+090.00
Subtraversare dren /
Dren undercrossing
km 482+050.000
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
S 49-300-1:9
Te 1.4
R=760
119R
168R
20N
73N
Panouri fonoabsorbante, L=120m
Sound-absorbend panels, L=120m
REFLECTOR
537400
86200
Te 5.2
Te 6.1
R=351
R=351
EN19
Linia 7 / Line 7
NSS=186.000
KM 0+378.936
H
378.936 m
km 482+010.00
482+000
Ti 1.4
167N
118N
19N
72N
22
S 49-300-1:9
Te 8.2
537500
86200
Linie de tragere / Shunting line
NSS=186.000
KM 0+000.000
H
251.879 m
km 481+970.00
S 60-300-1:9
SANT CABLU
166R
117R
18R
71R
Te 7.1
BIROURI CFR MARFA
BIROURI CFR MARFA
REFLECTOR
BETON

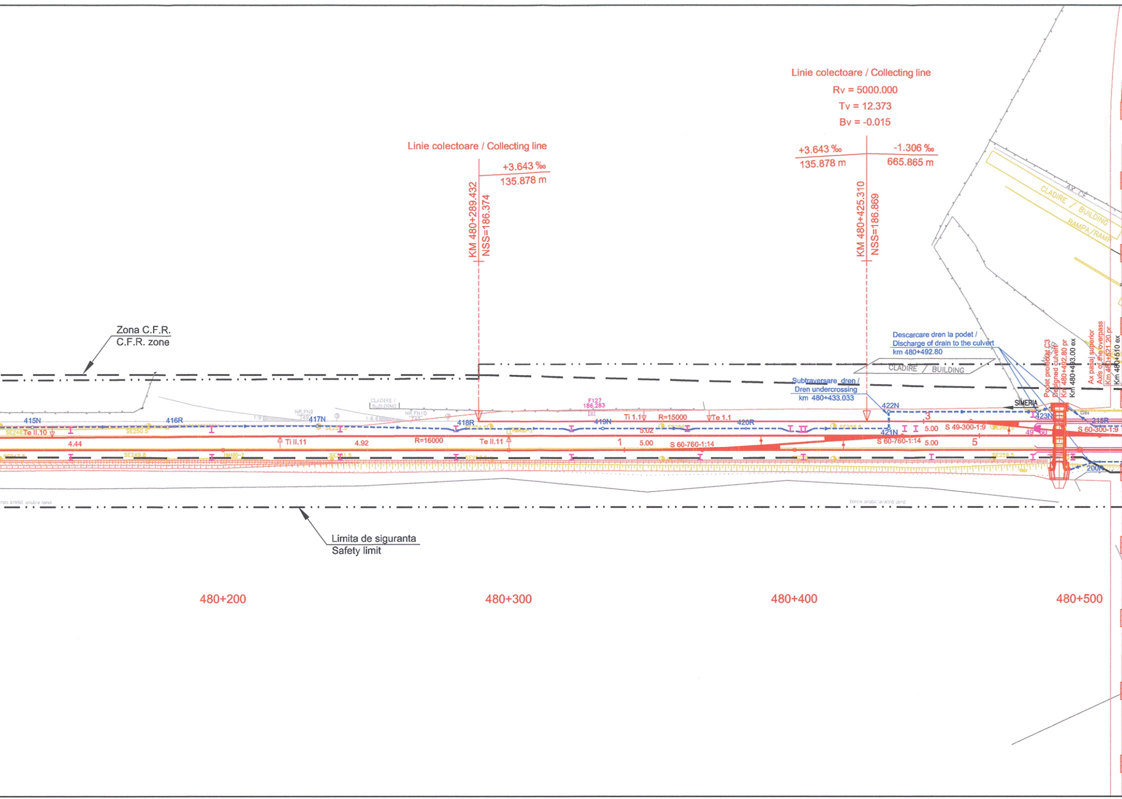


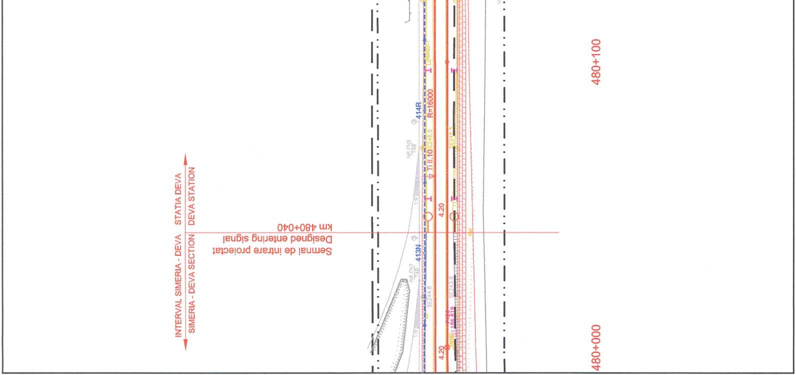
Linie de tragere / Shunting line
BILLA
H
251.879 m
KM 0+251.879
NSS=186.000
Opritor / Buffer
Limita de siguranta
Safety limit
Ax cladire de calatori
Passenger Building Axis
km 481+609
km ex. 481+610
Ax pasarela
Overpass axis
km 481+642.70 pr.
km 481+643.70 ex.
STATIE CF DEVA
CLADIRE CALATORI
CLADIRE CF
REGULATOR DE CIRCULATIE
MAGAZINE
MAGAZIN
trotuar/
foot
path
Asf.
parcare
Beton
ANTENA
REFLECTOR
Linie de tragere / Shunting line S49 Lu=236
L=614.489
Lu=775m-Linia 1 / Line 1 S60 -Lu=755m
Lu=887-Linia II / Line II S60 -Lu=929m
Lu=927m-Linia III / Line III S60 -Lu=927m
Lu=788m-Linia 4 / Line 4 S60 -Lu=778m
Lu=685-Linia 5 / Line 5 S49 -Lu=639m
Lu=615-Linia 6 / Line 6 S49 -Lu=594m
162R
163N
164R
165N Te Lt.1
115R
116N
16R
17N
69R
70N
SANT CABLU
5.00
10.50
17.56
186.00
Suprafata betonata baza de montaj
Concrete area of mounting base
Fila macara / Crane rail
Linia 7 / Line 7 S49 - Lu=280m
Linia 8 / Line 8 S49- Lu=280m
3.50
4.50
4.88
20.00
Ti 7.1
Ti 8.2
Ti 8.1
Te 8.1
R=351
R=300
R=190
FN18
FN17
FN16
FN15
S 49-300-1:9
S 49-190-1:9
Te 9.2
Te LG.1
BETON
481+600
481+700
481+800
481+900
-3.722 ‰
115.539 m
H
37.117 m
H
37.117 m
H
171.734 m
H
378.936 m
H
300.000 m
H
165.543 m
KM 0+204.466
NSS=185.570
Linia 9 / Line 9
KM 0+241.582
NSS=185.570
Linia 9 / Line 9
KM 0+171.734
NSS=185.570
Linie de garare / Stabling line
KM 0+000.000
NSS=186.000
Linia 7 / Line 7
KM 0+300.000
NSS=185.570
Linia 11 / Line 11
KM 0+165.543
NSS=185.570
Linia 10 / Line 10
537400
537500
537600
537700
85700
85900
86000
86100


Zona C.F.R.
C.F.R. zone
SC FESTIMANI COMPREST SRL
AUTOGARA
MAGAZII
RAMPA/RAMP
Cantar / Weigh
Opritor / Buffer
Linie de garare/Stabling line S49
Linia 11 / Line 11 S49
Linia 10 / Line 10 S49
Linia 9 / Line 9
481+500
481+400
481+300
481+200
km 481+300.000
Ax pasarelă
km 481+313.80 ex.
Traversare la nivel denivelată
Closed down level crossing
km 481+313.81 ex
H
171.734 m
NSS=185.570
KM 0+000.000
Linie de garare / Stabling line
-3.722 ‰
115.539 m
NSS=186.000
KM 0+088.927
Linia 9 / Line 9
88.927 m
165.543 m
300.000 m
KM 0+000.000
NSS=185.570
Linia 11 / Line 11
Linia 10 / Line 10
760.185 m
88.927 m
NSS=186.000
KM 0+000.000
Linia 6 / Line 6
Linia 9 / Line 9
758.629 m
NSS=186.000
KM 0+000.000
Linia 8 / Line 8
Linia 12 / Line 12
NSS=186.000
KM 0+533.197
200.548 m
DEPOZIT FIER VECHI SI MAT NEFEROASE
Opritor / Buffer
Panouri fonoabsorbante, L=280m
Sound absorbing panels, L=280m
897.008 m
NSS=186.000
KM 0+000.000
Linia 5 / Line 5
PROPRIETATE CFR
LOCUINTE PARTICULARE
drum pietruit / stoned road
STR. HARAULUI
SANT CABLU
S 49-300-1:9
S 60-300-1:9
R=900
R=500
R=357
R=190
L=63 m
Lr=54
25
23
21
537600
537700
537800
85500
85600
85700


Linie la rampa / Ramp line
Linie la rampa / Ramp line
NSS=186.000
KM 0+116.460
H
36.438 m
NSS=186.000
KM 0+080.021
H
36.438 m
-1.269 ‰
80.021 m
H
200.548 m
NSS=186.000
KM 0+332.649
-1.272 ‰
332.649 m
Linia 12 / Line 12
H
1129.335 m
NSS=186.000
KM 481+091.175
-1.306 ‰
665.865 m
Linia 1 / Line 1
H
3763.232 m
NSS=186.000
KM 481+089.101
-1.308 ‰
1987.687 m
Fir II / Track II
-1.269 ‰
80.021 m
NSS=186.102
KM 0+000.000
Linie la rampa / Ramp line
Opritor / Buffer
RAMPA/RAMP
RAMPA REABILITATA
14.00
4.43%
S 60-300-1:9
S 60-300-1:9
S 60-300-1:9
S 49-300-1:9
FN14
R=351
L=87
RA II.12
RA I 10
CR II.12
CR I 10
Te 12.1
Limita de siguranta
Safety limit
Panouri fonoabsorbante, L=280m
Sound-absorbent panels, L=280m
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
PROPRIETATI PARTICULARE / PRIVATE PROPERTY
H
1031.785 m
NSS=186.000
KM 0+000.000
Linia 4 / Line 4
H
3764.962 m
NSS=186.000
KM 481+085.000
-1.310 ‰
1985.000 m
Fir I / Track I
481+100
km 481+020.00
481+000
480+900
480+800
Zona C.F.R.
C.F.R. zone
N
85400
537700
85300
537800
85300
537900
85200
537900
85300
538000
85200
538000
537900


Limita de siguranta
Safety limit
PROPRIETATE PARTICULARA / PRIVATE PROPERTY
DEPOZIT LEMNE
FN13
FN12
FN11
KM 0+000.000
NSS=186.423
332.649 m
-1.272 ‰
Linia 12 / Line 12
KM 0+000.000
NSS=186.489
75.000 m
+1.306 ‰
KM 0+000.000
NSS=186.489
+1.306 ‰
75.000 m
km 480+720.00
KM 0+000.000
NSS=186.489
+1.306 ‰
80.000 m
480+700
Rv = 7000.000
Tv = 10.692
Bv = -0.008
KM 0+075.000
NSS=186.587
+1.306 ‰
75.000 m
-1.749 ‰
95.000 m
drum beton/concrete road
PARCARE BETON
KM 0+170.000
NSS=186.421
-1.749 ‰
95.000 m
N
KM 0+080.000
NSS=186.593
+1.306 ‰
80.000 m
-3.984 ‰
95.000 m
480+600
Rv = 5000.000
Tv = 13.225
Bv = -0.017
Panouri fonoabsorbante, L=180m
Sound-absorbend panels, L=180m
KM 0+175.000
NSS=186.215
-3.984 ‰
95.000 m
km 480+540.00
SIMERIA
S 49-190-1:9
S 60-760-1:14
L = 100 m
R=100
R=160
AX. CF
contrasina
CJ
CFJ
drum pietruit / stoned road
CLADIRE
ER VECHI
217R
218N
202R
203N
204R
201N
216N
L = 75 m
5.00
9
11
85000
85100
538000
538100
538200
538300


Linie colectoare / Collecting line
Rv = 5000.000
Tv = 12.373
Bv = -0.015
+3.643 ‰
135.878 m
-1.306 ‰
665.865 m
KM 480+425.310
NSS=186.869
Linie colectoare / Collecting line
+3.643 ‰
135.878 m
KM 480+289.432
NSS=186.374
Zona C.F.R.
C.F.R. zone
Limita de siguranta
Safety limit
Descarcare dren la podet /
Discharge of drain to the culvert
km 480+492.80
Subtraversare dren /
Dren undercrossing
km 480+433.033
CLADIRE / BUILDING
CLADIRE / BUILDING
RAMPA/RAMP
AX CF
Podet proiectat C3
Designed culvert
Km 480+492.80 pr
Km 480+493.00 ex
Ax pasaj superior
Axis of the overpass
Km 480+521.20 pr
Km 480+510 ex
SIMERIA
415N
416R
417N
418R
419N
420R
421N
422N
423N
215R
200R
SE248
Te II.10
SE250.5
SE249.8
Ti II.11
Te II.11
4.44
4.92
5.02
5.00
5.00
5.00
R=16000
R=15000
Ti 1.1
Te 1.1
F127
186.283
1
3
5
S 60-760-1:14
S 60-760-1:14
S 49-300-1:9
S 60-300-1:9
49
60
SE259.5
CLADIRE / BUILDING
NR.FN9
T49
NR.FN10
T48
1:9
1:6.5
teren arabil/ arable land
teren arabil/ arable land
480+200
480+300
480+400
480+500


480+100
480+000
STATIA DEVA
DEVA STATION
INTERVAL SIMERIA - DEVA
SIMERIA - DEVA SECTION
km 480+040
Designed entering signal
Semnal de intrare proiectat
414R
413N
R=16000
Ti II.10
4.20
4.20
SE248.5
SE245.5
SE244.8
SE243.8
NR.FN5
NR.FN7