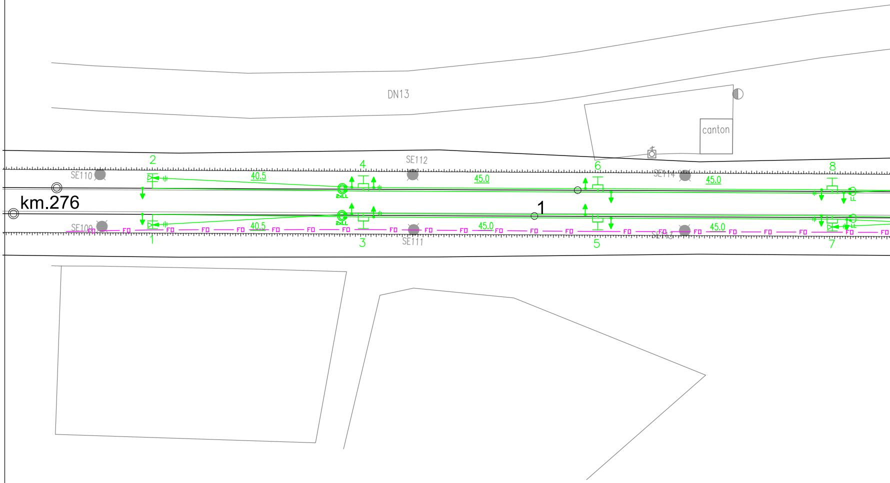
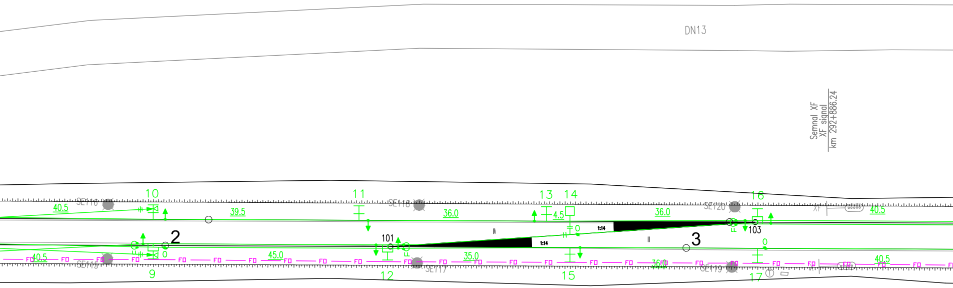
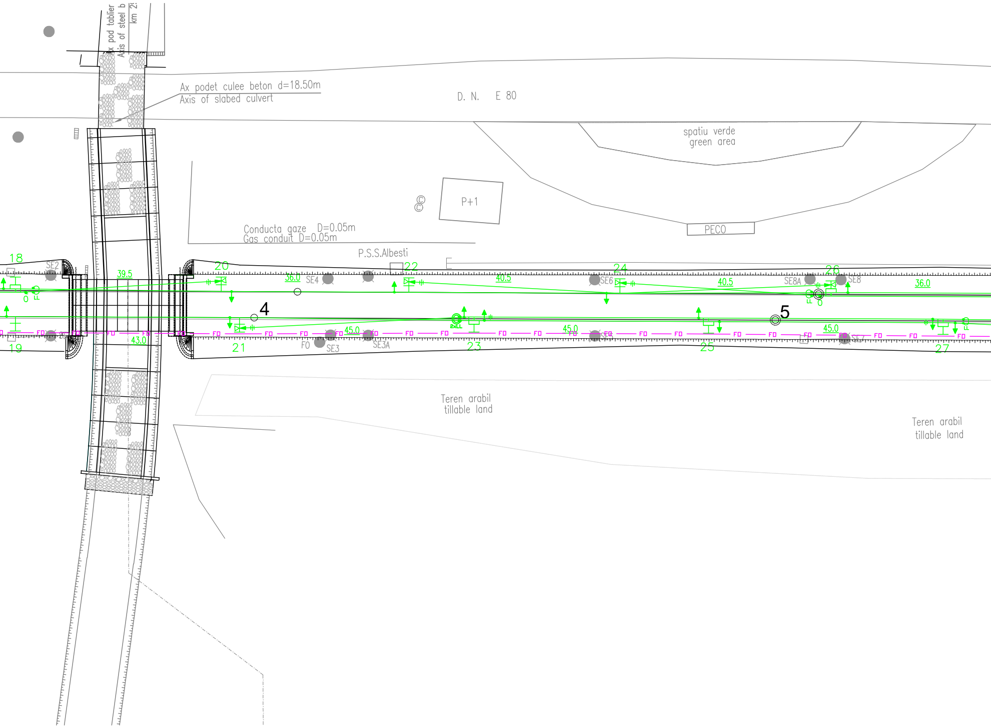
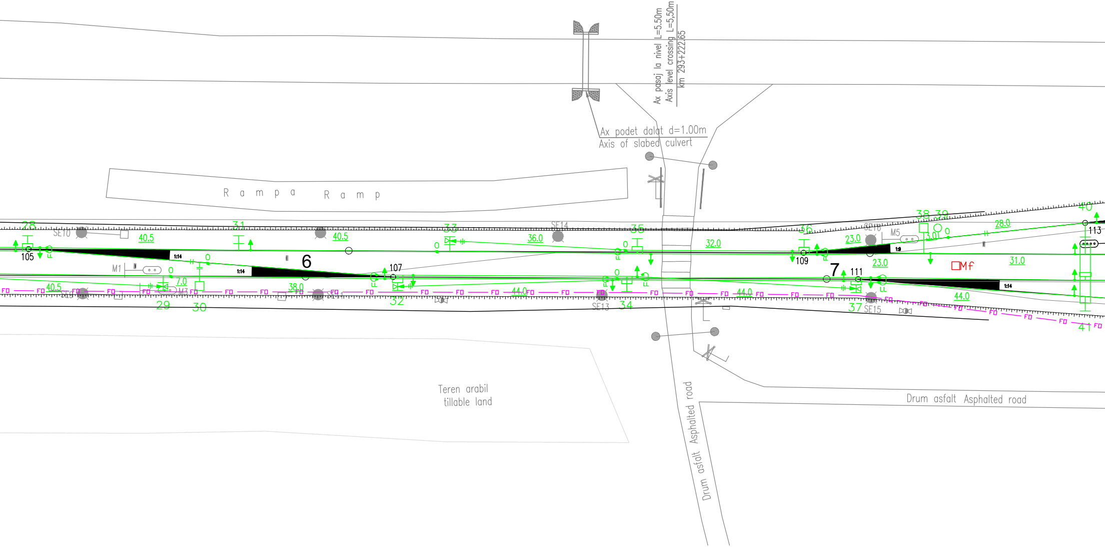
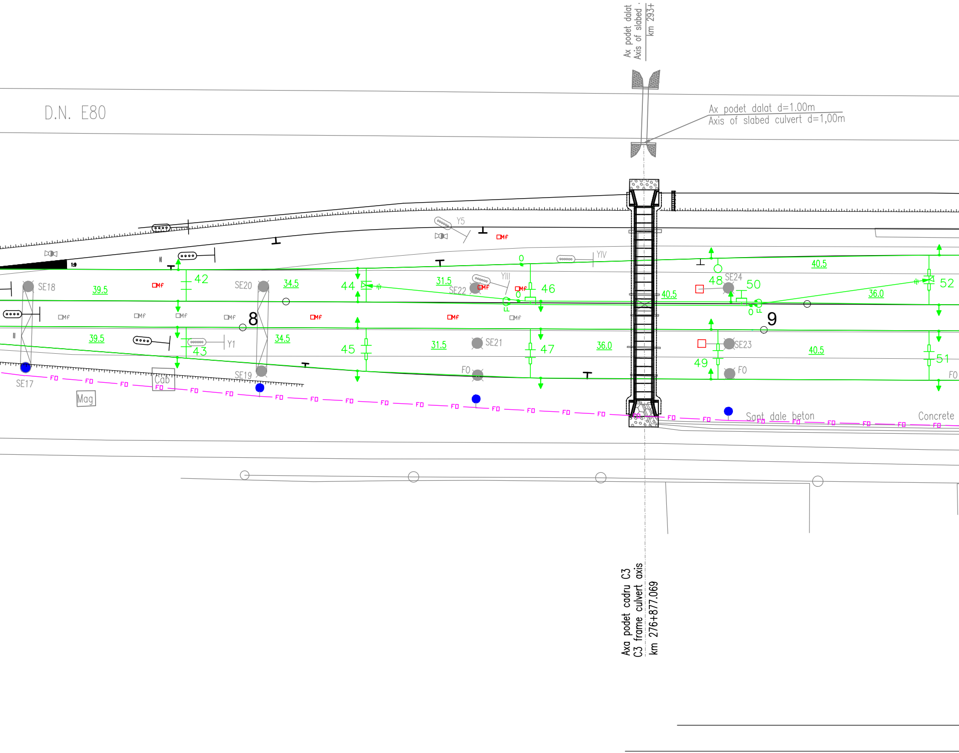

DN13
canton
SE110
SE112
SE114
SE109
SE111
SE113
km.276
1
2
4
6
8
1
3
5
7
40.5
45.0
45.0
40.5
45.0
45.0
2xLL
FO

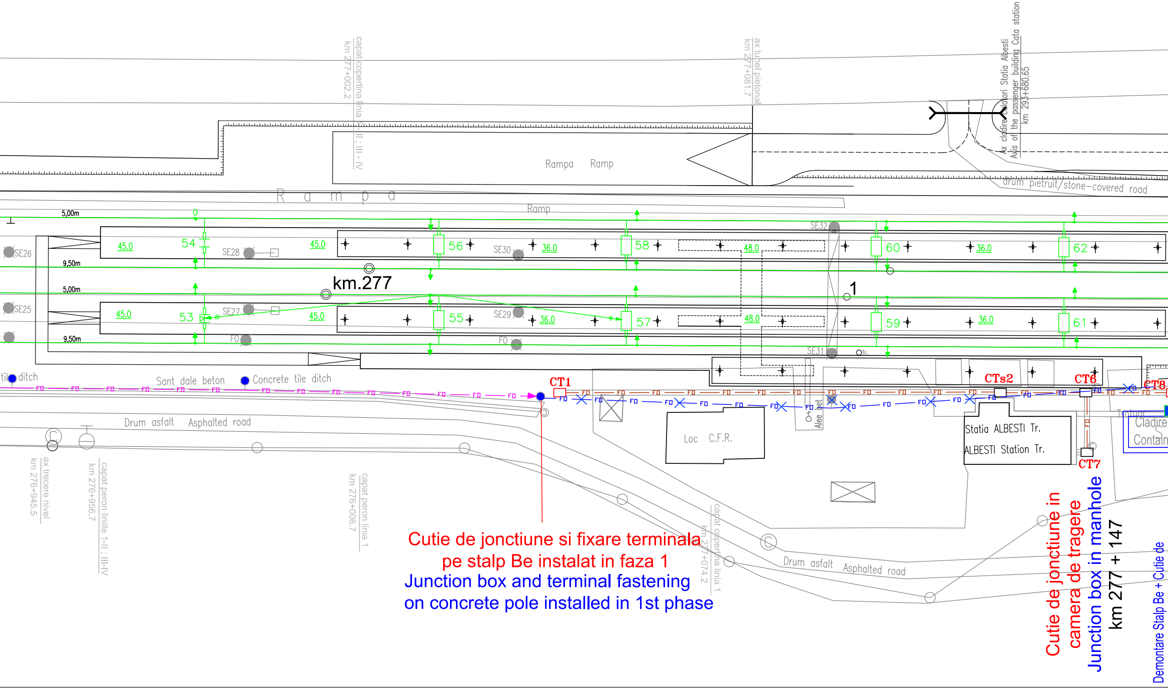

DN13
Semnal XF
XF signal
km 292+886.24
10
11
13
14
16
SE116
SE118
SE120
40.5
39.5
36.0
4.5
36.0
XF
40.5
2
101
1:14
1:14
3
103
0
0
0
FD
40.5
45.0
35.0
36.0
40.5
SE115
SE117
SE119
X
9
12
15
17
Semnal X
X Signal
km 292+884.79



Ax pod tablier
Axis of steel b
km 2
Ax podet culee beton d=18.50m
Axis of slabed culvert
D. N. E 80
spatiu verde
green area
P+1
PECO
Conducta gaze D=0.05m
Gas conduit D=0.05m
P.S.S.Albesti
18
19
20
21
22
23
24
25
26
27
4
5
SE2
SE3
SE3A
SE4
SE6
SE8A
SE8
SE7
39.5
36.0
40.5
40.5
36.0
43.0
45.0
45.0
45.0
FO
FL
Teren arabil
tillable land
Teren arabil
tillable land


Ax pasaj la nivel L=5.50m
Axis level crossing L=5,50m
km 293+222.65
Ax podet dalat d=1.00m
Axis of slabed culvert
Rampa Ramp
Teren arabil
tillable land
Drum asfalt Asphalted road
Drum asfalt Asphalted road
SE10
SE13
SE14
SE15
SE16
M1
M3
M5
Mf
6
7
105
107
109
111
113
28
29
30
31
32
33
34
35
36
37
38
39
40
41
40.5
40.5
40.5
36.0
32.0
23.0
23.0
28.0
31.0
7.0
38.0
44.0
44.0
44.0
3.0
1:14
1:14
1:9
1:14
FO
LL


Ax podet dalat
Axis of slabed
km 293+
D.N. E80
Ax podet dalat d=1.00m
Axis of slabed culvert d=1,00m
Y5
YIV
YIII
Y1
SE17
SE18
SE19
SE20
SE21
SE22
SE23
SE24
42
43
44
45
46
47
48
49
50
51
52
8
9
39.5
39.5
34.5
34.5
31.5
31.5
36.0
36.0
40.5
40.5
40.5
40.5
0
0
0
Mf
Mag
Cab
FO
FD
1:9
Sant dale beton
Concrete
Axa podet cadru C3
C3 frame culvert axis
km 276+877.069



Cutie de jonctiune si fixare terminala pe stalp Be instalat in faza 1

Junction box and terminal fastening on concrete pole installed in 1st phase

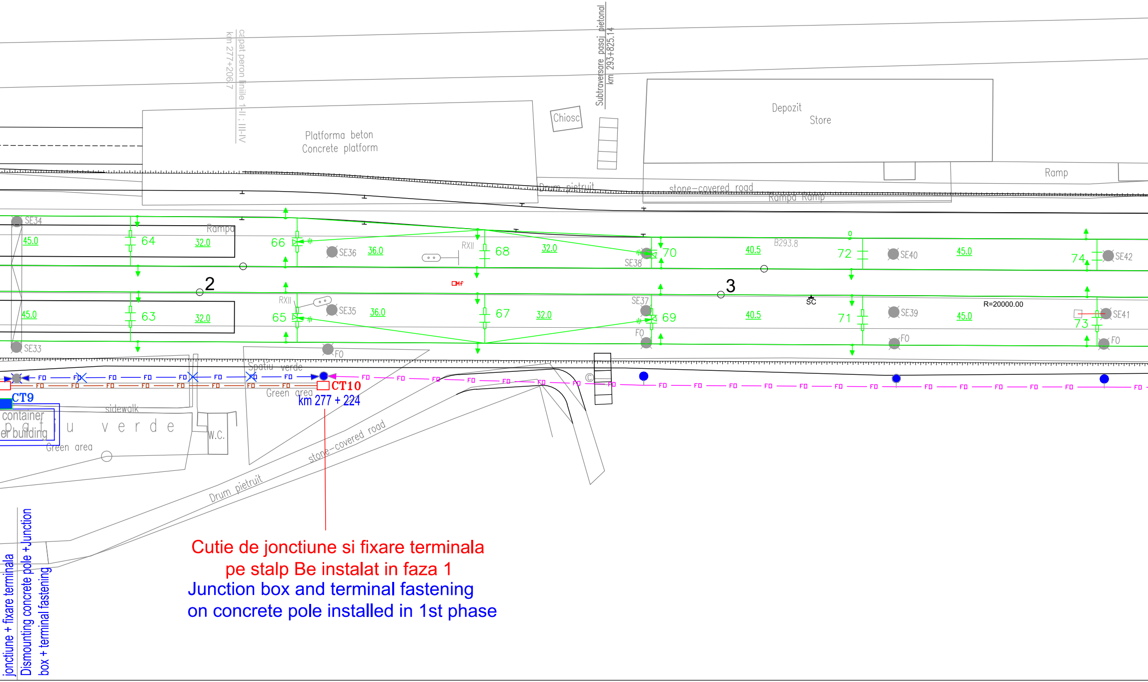
Cutie de jonctiune in camera de tragere

Junction box in manhole

km 277 + 147

Demontare Stalp Be + Cutie de

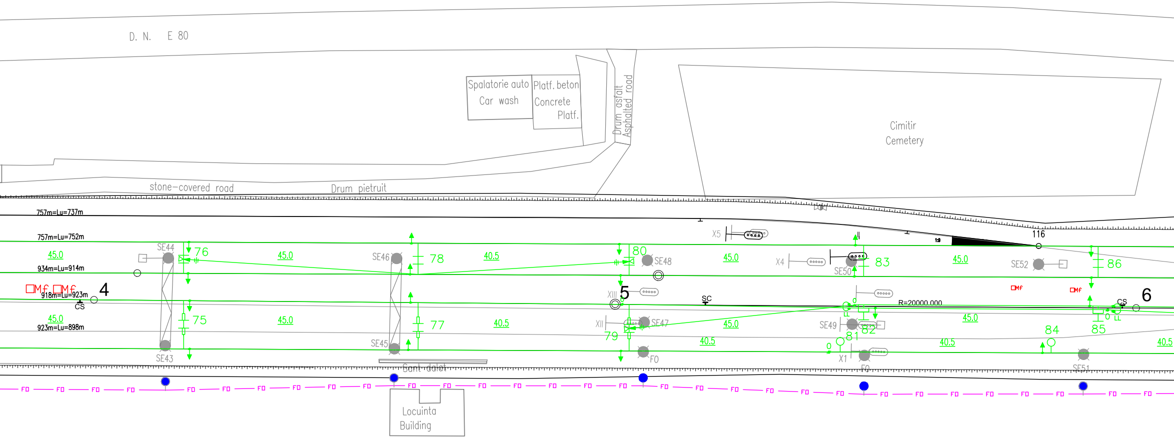
capat copertina linia I-II ; III - IV
km 277+002.2
ax tunel pietonal
km 277+081.7
Ax cladire calatori Statia Albesti
Axis of the passenger building Cata station
km 293+680.65
Rampa Ramp
drum pietruit/stone-covered road
R a m p a
Ramp
5,00m
9,50m
SE26
SE25
SE27
SE28
SE29
SE30
SE31
SE32
45.0
36.0
48.0
53
54
55
56
57
58
59
60
61
62
km.277
1
FO
CT1
CTs2
CT6
CT7
CT8
Sant dale beton
Concrete tile ditch
ditch
Drum asfalt Asphalted road
Loc C.F.R.
Alee
Statia ALBESTI Tr.
ALBESTI Station Tr.
Trotuar
Cladire
Contain
ax trecere nivel
km 276+945.5
capat peron liniile I-II ; III-IV
km 276+956.7
capat peron linia 1
km 276+006.7
capat copertina linia 1
km 277+074.2

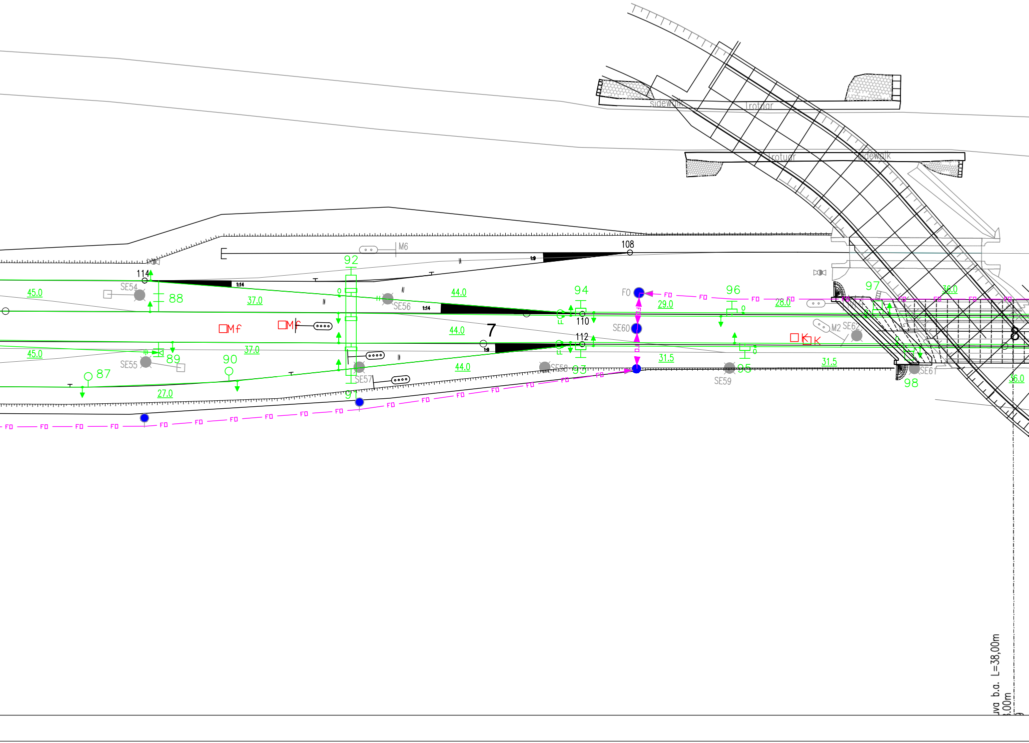


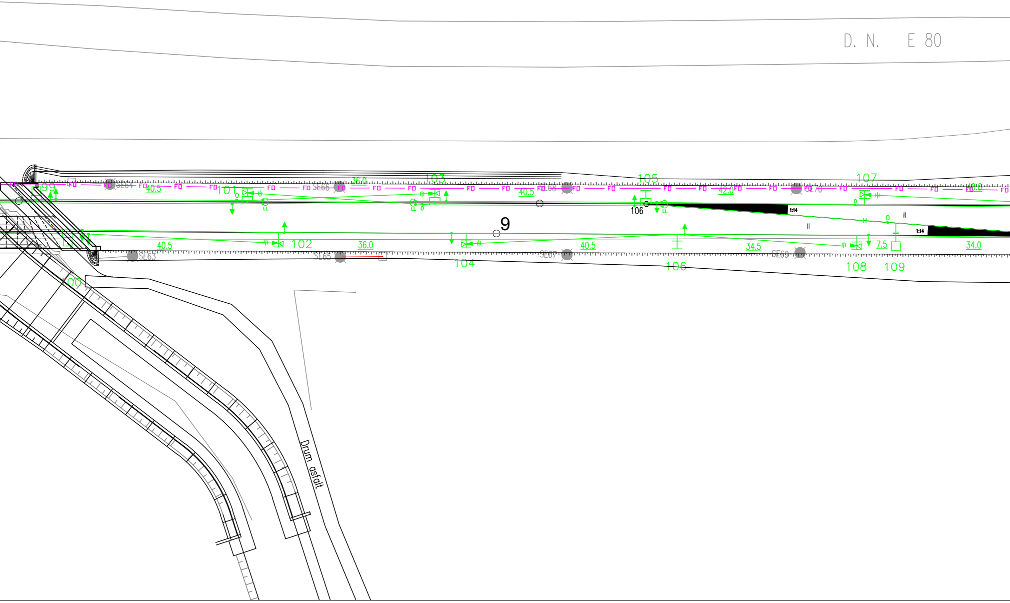
cepat peron liniile I-II ; III-IV
km 277+206.7
Subtraversare pasaj pietonal
km 293+825.14
Platforma beton
Concrete platform
Chiosc
Depozit
Store
Ramp
Drum pietruit
stone-covered road
Rampa Ramp
Rampa
SE34
45.0
64
32.0
66
SE36
36.0
RXII
68
32.0
70
SE38
40.5
B293.8
72
SE40
45.0
74
SE42
2
3
ΠMf
45.0
63
32.0
RXII
65
SE35
36.0
67
32.0
SE37
69
40.5
71
SE39
45.0
R=20000.00
SC
73
SE41
FO
SE33
FO
Spatiu verde
Green area
CT9
CT10
km 277 + 224
container
er building
p a t i u v e r d e
sidewalk
W.C.
Green area
stone-covered road
Drum pietruit
jonctiune + fixare terminala
Dismounting concrete pole + Junction
box + terminal fastening

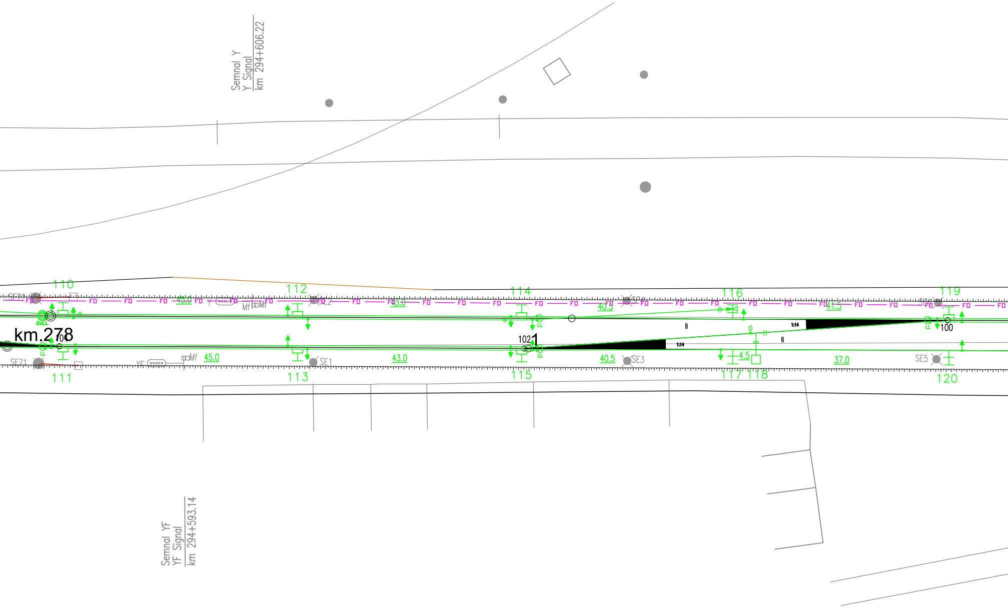
Cutie de jonctiune si fixare terminala
pe stalp Be instalat in faza 1

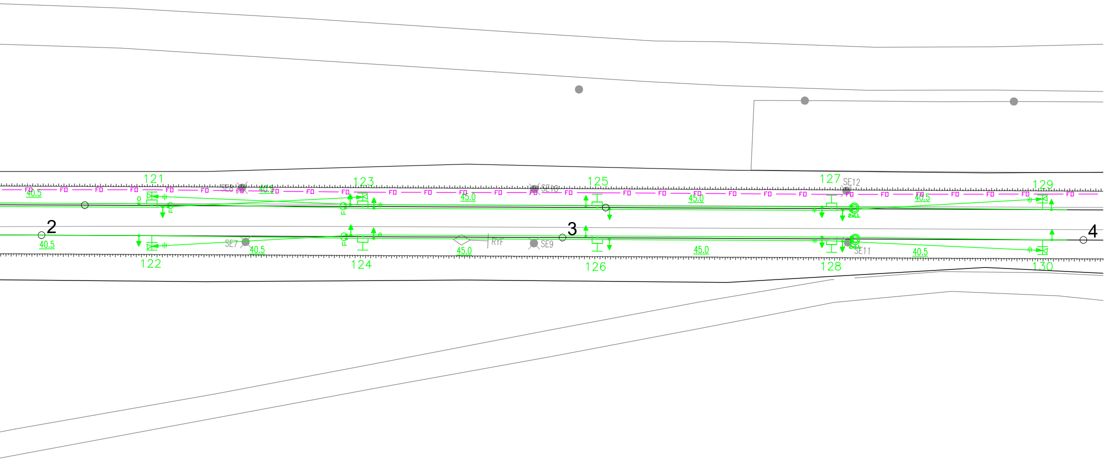
Junction box and terminal fastening
on concrete pole installed in 1st phase


D. N. E 80
Spalatorie auto
Car wash
Platf. beton
Concrete
Platf.
Drum asfalt
Asphalted road
Cimitir
Cemetery
stone-covered road
Drum pietruit
757m=Lu=737m
757m=Lu=752m
934m=Lu=914m
918m=Lu=923m
923m=Lu=898m
Mf Mf
4
5
6
CS
SC
CS
116
R=20000.000
X5
X4
XIII
XII
X1
II
SE43
SE44
SE45
SE46
SE47
SE48
SE49
SE50
SE51
SE52
75
76
77
78
79
80
81
82
83
84
85
86
45.0
40.5
FO
LL
Sant dalat
Locuinta
Building


sidewalk
trotuar
trotuar
sidewalk
M6
108
1:9
92
114
1:14
SE54
88
45.0
37.0
44.0
94
FO
96
SE56
1:14
29.0
28.0
97
36.0
110
7
44.0
□Mf
□Mf
SE60
□K □K
M2
SE62
8
112
45.0
37.0
1:9
89
SE55
87
90
44.0
SE57
SE58
93
31.5
95
31.5
SE59
SE61
98
56.0
27.0
91
FO
uva b.a. L=38,00m
.00m


D. N. E 80
9
Drum asfalt
99
100
101
102
103
104
105
106
107
108
109
40.5
36.0
42.0
34.5
7.5
34.0
SE63
SE64
SE65
SE66
SE67
SE68
SE69
SE70
FO
1:14


Semnal Y
Y Signal
km 294+606.22
110
112
114
116
119
SE72
SE2
SE4
SE6
FO
45.0
43.0
40.5
41.5
Y
Mf
2xLL
km.278
101
LL
102
1
1:14
0
100
SE71
SE1
SE3
SE5
YF
45.0
43.0
40.5
4.5
37.0
111
113
115
117
118
120
Semnal YF
YF Signal
km 294+593.14


121
123
125
127
129
SE8
SE10
SE12
40.5
40.5
45.0
45.0
40.5
FD
0
FL
FL
2xLL
2
3
4
40.5
SE7
40.5
45.0
RYF
SE9
45.0
40.5
2xLL
SE11
122
124
126
128
130

DESCRIEREA LUCRĂRILOR

Lucrările de protejare a cablului cu fibre optice existent se vor realiza în 2 faze.

Faza 2
Inaintea montării noului peron de la linia 1, respectiv după plantarea noilor stâlpi metalici ai liniei de tracţiune, însă înaintea construirii peronului la linia 1, se va executa:

a) Pentru a elibera amplasamentul în vederea construirii noului peron trebuie ca stâlpii de beton instalaţi în faza 1 de lîngă clădirea staţiei să fie demontaţi, iar stâlpii învecinaţi vor fi folosiţi ca puncte de fixare terminală pentru cablurile aeriene din cele două direcţii.
De la stâlpii terminali de la km 277+043 şi km 277+224 se vor poza subteran cabluri cu fibre optice în canalizaţia telefonică proiectată până la clădirea staţiei.
Joncţiunile dintre cablurile existente şi cablurile de introducere proiectate se vor executa pe stâlpii terminali.
Introducerea în sala de echipamente Tc se va executa cu cabluri de tip interior, care vor fi finale la cutii terminale.
b) Cablul cu fibre optice aerian de pe stâlpii existenţi se va muta pe stâlpii metalici proiectaţi ai liniei de contact prin demontarea cablul existent de pe consolele de susţinere fixate pe stâlpii de beton şi ataşarea cablului de consolele fixate pe stâlpii metalici.
c) se vor păstra pe poziţie stâlpul de beton existent SE 17 şi stâlpii supratraversării de la km 277+698.
d) La sfârşit cablul aerian existent dintre noii stâlpi terminali de la capetele peronului şi introducere provizorie de cablu în clădirea staţiei (executata in faza 1) se vor demonta.

DESCRIPTION OF WORKS

The protection works for the existing fiber optic cable have to be made in two working phases.

2nd Phase
Before the installation of the new platform at track 1, respective after the planting of the new metallic poles of the traction line and before the construction of the platform at track 1, it will be performed:

a) In order to set free the site for the construction of the new platform it must dismount the concrete poles installed in phase 1 near the station building and the neighbouring poles will be used as terminal fastening points for the aerial cables from the two directions.
From the terminal poles at km 277+043 and km 277+224 it will be laid underground fiber optic cables in the designed telephone conduit up to the station building.
The junctions between the existing and designed cables will be performed on the terminal poles.
The introduction in the telecommunication equipment room will be performed with indoor type cables that they will be ended at terminal boxes.
b) The fiber optic cable from the existing poles will be relocated on the designed metallic poles of the traction line by dismounting the existing cable the suspension brackets fixed on the concrete poles and attached to the brackets fixed on the metallic poles
c) It will be retained in position the existing concrete SE 17 pole and the over-crossing poles at km 277+698.
d) At the end the existing aerial cable between the terminal poles and the provizional introduction of cable in the station building (made in 1st phase) will be dismounted.

LEGENDA TELECOMUNICATII

TELECOMMUNICATIONS LEGEND:

— FD — FD —	Cablu cu fibre optice aerian mutat Relocated fiber optic cable
— FD — FD —	Cablu cu fibre optice subteran Underground fiber optic cable
—✕FD— FD —✕FD—	Cablu cu fibre optice demontat Dismounted fiber optic cable
CT	Camera de tragere Manhole
═ FD ═ FD ═	Canalizatia telefonica cu tevi PVC Telephone conduit with PVC pipes
●	Stalp de beton care se pastreaza Preserved existing concrete pole (not dismounted)
●	Stalp de beton instalat in faza 1 care se pastreaza Preserved concrete pole installed in 1st phase
⊗	Stalp de beton existent care se demonteaza Dismantled concrete pole

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

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

CLIENT / CLIENT

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	ªef proiect Project manager	R. Liuzza		
Aprobat Approved	Coordonator Secþiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Expert Verificator Checking Expert	Pino Amodio		

SUBCONTRACTANT / SUBCONTRACTOR AREX Lider COMPANY

Aprobat Approved	Responsabil Subcontractant Subcontractor Responsible	A.Stanciu - Dinulescu	01.2012	
Întocmit Elaborated	Proiectant Designer	Trifan Gabriela	01.2012	

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 : 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 :

Mutarea si protejarea cablului FO existent - Faza 2
Plan de situaţie - Statia Albesti Tarnava Station - Layout Plan
Relocation and protection of existing OF cable - 2nd Phase

Codificare / Codification System	Scara / Scale 1:500	LOT / LOT	Nr. / No 02 / 02

E A 5 1 | 0 1 | C | 1 9 | L 8 | T C | 1 0 | 5 | 1 | 0 0 1 | 1