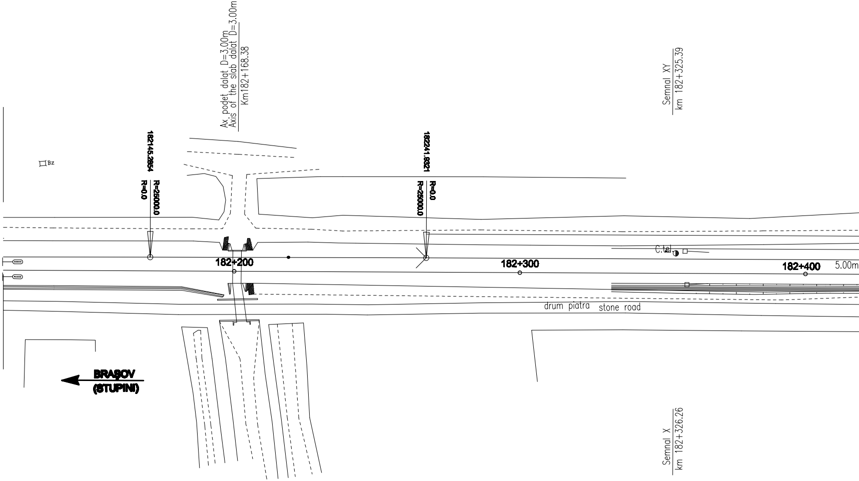
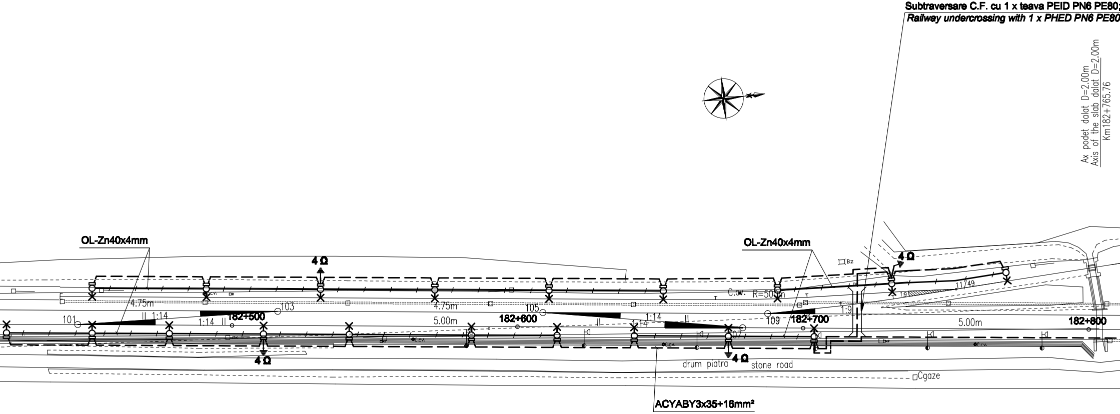
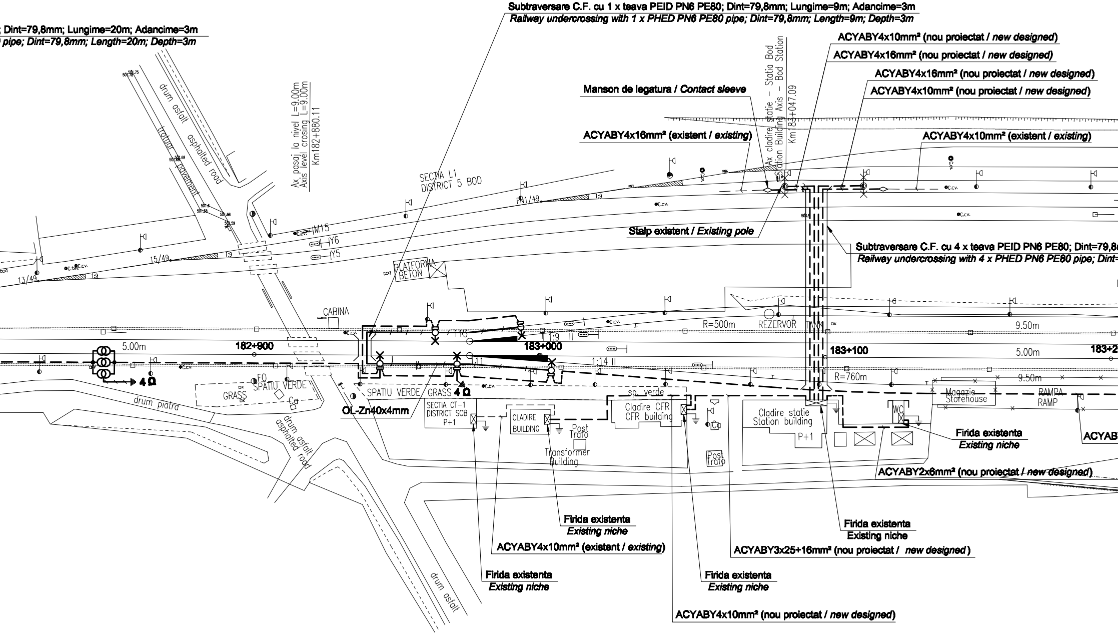
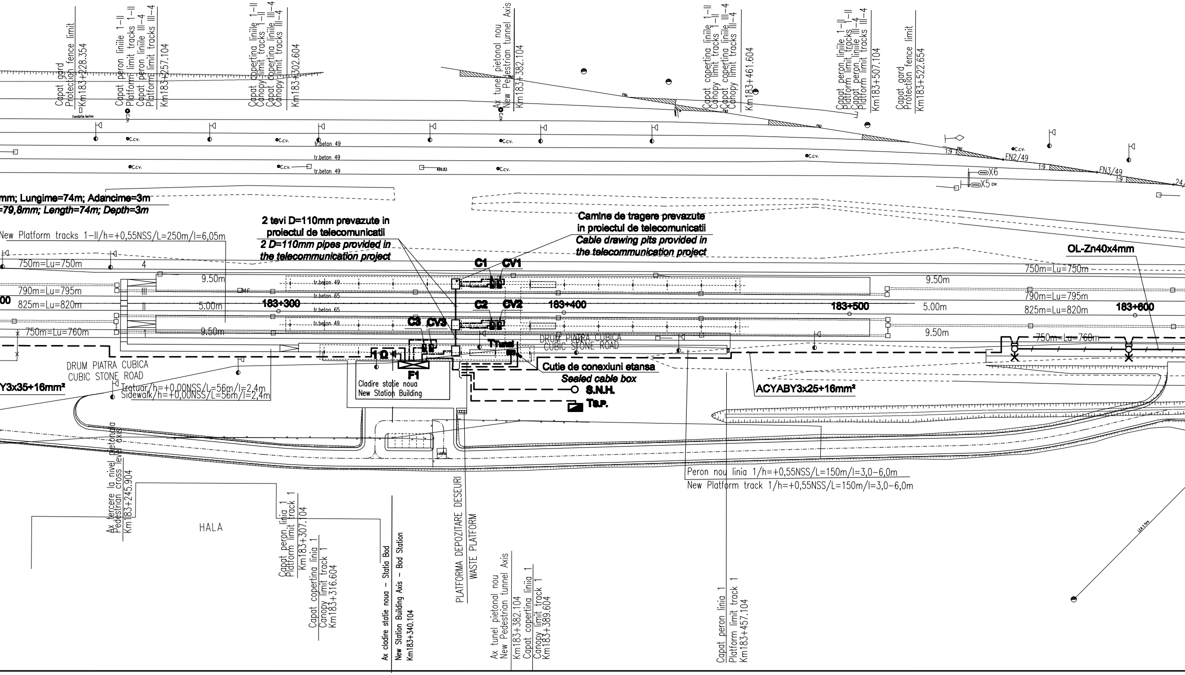
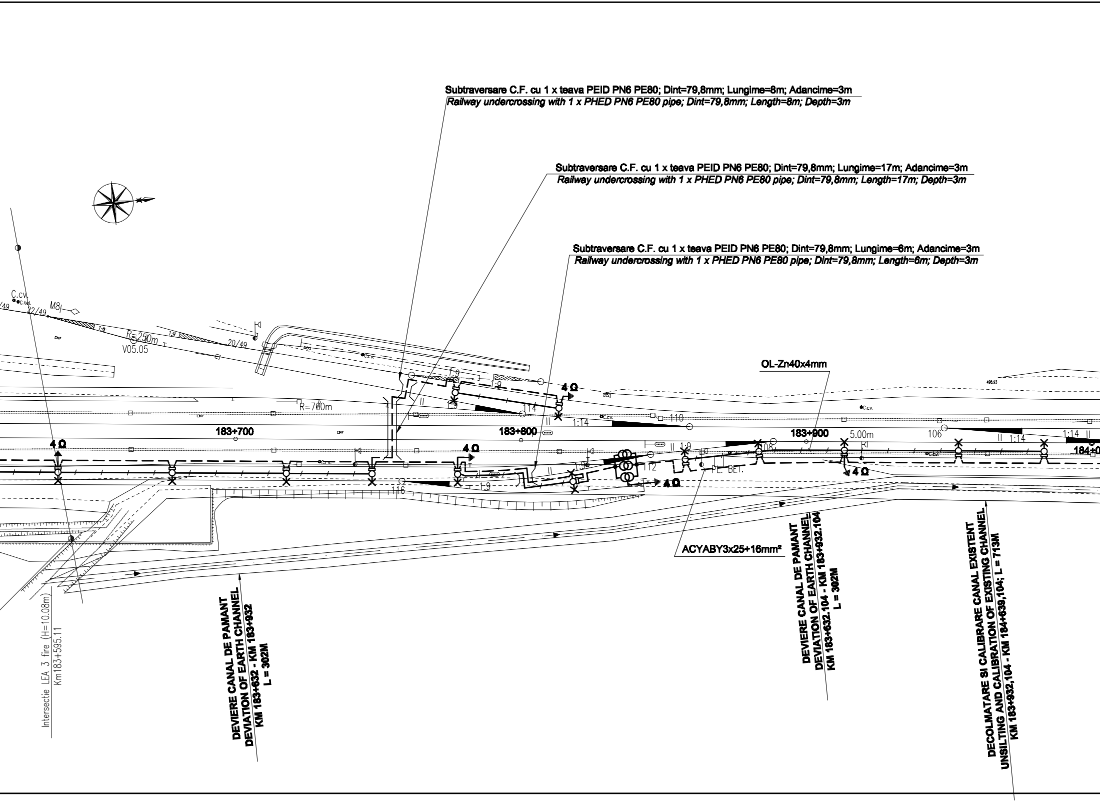

Ax. podet dalat D=3.00m
Axis of the slab dalat D=3.00m
Km182+168.38
Semnal XY
km 182+325.39
182145.2854
R=25000.0
R=0.0
182241.8321
R=0.0
R=25000.0
Bz
C.tel
182+200
182+300
182+400
5.00m
drum piatra
stone road
BRAŞOV
(STUPINI)
Semnal X
km 182+326.26


Subtraversare C.F. cu 1 x teava PEID PN6 PE80;
Railway undercrossing with 1 x PHED PN6 PE80
Ax podet dalat D=2.00m
Axis of the slab dalat D=2.00m
Km182+765.76
OL-Zn40x4mm
4 Ω
OL-Zn40x4mm
4 Ω
□Bz
4.75m
4.75m
C.cv.
R=500m
11/49
1:9
1:9
101
103
105
109
107
II 1:14
1:14 II
1:14
1:14
182+500
182+600
182+700
182+800
5.00m
5.00m
4 Ω
4 Ω
drum piatra
stone road
□Cgaze
ACYABY3x35+16mm²



Subtraversare C.F. cu 1 x teava PEID PN6 PE80; Dint=79,8mm; Lungime=9m; Adancime=3m
Railway undercrossing with 1 x PHED PN6 PE80 pipe; Dint=79,8mm; Length=9m; Depth=3m
; Dint=79,8mm; Lungime=20m; Adancime=3m
pipe; Dint=79,8mm; Length=20m; Depth=3m
ACYABY4x10mm² (nou proiectat / new designed)
ACYABY4x16mm² (nou proiectat / new designed)
ACYABY4x16mm² (nou proiectat / new designed)
ACYABY4x10mm² (nou proiectat / new designed)
Manson de legatura / Contact sleeve
Ax cladire statie - Statia Bod
Station Building Axis - Bod Station
Km183+047.09
ACYABY4x16mm² (existent / existing)
ACYABY4x10mm² (existent / existing)
Ax pasaj la nivel L=9.00m
Axis level crossing L=9.00m
Km182+880.11
drum asfalt
asphalted road
trotuar
pavement
SECTIA L1
DISTRICT 5 BOD
FN1/49
1:9
Stalp existent / Existing pole
Subtraversare C.F. cu 4 x teava PEID PN6 PE80; Dint=79,8
Railway undercrossing with 4 x PHED PN6 PE80 pipe; Dint=
M15
Y6
Y5
15/49
13/49
1:9
PLATFORMA
BETON
CABINA
R=500m
REZERVOR
TANK
9.50m
182+900
183+000
183+100
183+2
5.00m
5.00m
1:9 II
1:14 II
R=760m
9.50m
4 Ω
4 Ω
FO
SPATIU VERDE
GRASS
SPATIU VERDE
GRASS
drum piatra
drum asfalt
asphalted road
OL-Zn40x4mm
SECTIA CT-1
DISTRICT SCB
P+1
CLADIRE
BUILDING
Post
Trafo
Transformer
Building
sp. verde
Cladire CFR
CFR building
Post
Trafo
Cladire statie
Station building
P+1
WC
Magazie
Storehouse
RAMPA
RAMP
Firida existenta
Existing niche
ACYAB
ACYABY2x6mm² (nou proiectat / new designed)
Firida existenta
Existing niche
ACYABY4x10mm² (existent / existing)
Firida existenta
Existing niche
ACYABY3x25+16mm² (nou proiectat / new designed)
Firida existenta
Existing niche
Firida existenta
Existing niche
ACYABY4x10mm² (nou proiectat / new designed)
drum asfalt


Capat gard
Protection fence limit
Km183+228.354
fundatie beton
Capat peron liniile 1–II
Platform limit tracks 1–II
Capat peron liniile III–4
Platform limit tracks III–4
Km183+257.104
Capat copertina liniile 1–II
Canopy limit tracks 1–II
Capat copertina liniile III–4
Canopy limit tracks III–4
Km183+302.604
Ax tunel pietonal nou
New Pedestrian tunnel Axis
Km183+382.104
Capat copertina liniile 1–II
Canopy limit tracks 1–II
Capat copertina liniile III–4
Canopy limit tracks III–4
Km183+461.604
Capat peron liniile 1–II
Platform limit tracks 1–II
Capat peron liniile III–4
Platform limit tracks III–4
Km183+507.104
Capat gard
Protection fence limit
Km183+522.654
C.cv.
tr.beton 49
tr.beton 65
499.83
FN5
FN4
FN3
FN2
FN1
1:9
FN2/49
FN3/49
X6
X5
mm; Lungime=74m; Adancime=3m
=79,8mm; Length=74m; Depth=3m
2 tevi D=110mm prevazute in proiectul de telecomunicatii
2 D=110mm pipes provided in the telecommunication project
Camine de tragere prevazute in proiectul de telecomunicatii
Cable drawing pits provided in the telecommunication project
New Platform tracks 1–II/h=+0,55NSS/L=250m/l=6,05m
750m=Lu=750m
790m=Lu=795m
825m=Lu=820m
750m=Lu=760m
4
1
9.50m
5.00m
C1
CV1
C2
CV2
C3
CV3
183+300
183+400
183+500
183+600
OL-Zn40x4mm
1 Ω
F1
Tunel
Cladire statie noua
New Station Building
Cutie de conexiuni etansa
Sealed cable box
S.N.H.
Ts.P.
DRUM PIATRA CUBICA
CUBIC STONE ROAD
Y3x35+16mm²
Trotuar/h=+0,00NSS/L=56m/l=2,4m
Sidewalk/h=+0,00NSS/L=56m/l=2,4m
ACYABY3x25+16mm²
Peron nou linia 1/h=+0,55NSS/L=150m/l=3,0–6,0m
New Platform track 1/h=+0,55NSS/L=150m/l=3,0–6,0m
Ax tercere la nivel pietonala
Pedestrian cross level axis
Km183+245.904
HALA
Capat peron linia 1
Platform limit track 1
Km183+307.104
Capat copertina linia 1
Canopy limit track 1
Km183+316.604
Ax cladire statie noua – Statia Bod
New Station Building Axis – Bod Station
Km183+340.104
PLATFORMA DEPOZITARE DESEURI
WASTE PLATFORM
Ax tunel pietonal nou
New Pedestrian tunnel Axis
Km183+382.104
Capat copertina linia 1
Canopy limit track 1
Km183+389.604
Capat peron linia 1
Platform limit track 1
Km183+457.104



Subtraversare C.F. cu 1 x teava PEID PN6 PE80; Dint=79,8mm; Lungime=8m; Adancime=3m

Railway undercrossing with 1 x PHED PN6 PE80 pipe; Dint=79,8mm; Length=8m; Depth=3m

Subtraversare C.F. cu 1 x teava PEID PN6 PE80; Dint=79,8mm; Lungime=17m; Adancime=3m

Railway undercrossing with 1 x PHED PN6 PE80 pipe; Dint=79,8mm; Length=17m; Depth=3m

Subtraversare C.F. cu 1 x teava PEID PN6 PE80; Dint=79,8mm; Lungime=6m; Adancime=3m

Railway undercrossing with 1 x PHED PN6 PE80 pipe; Dint=79,8mm; Length=6m; Depth=3m

OL-Zn40x4mm

ACYABY3x25+16mm²

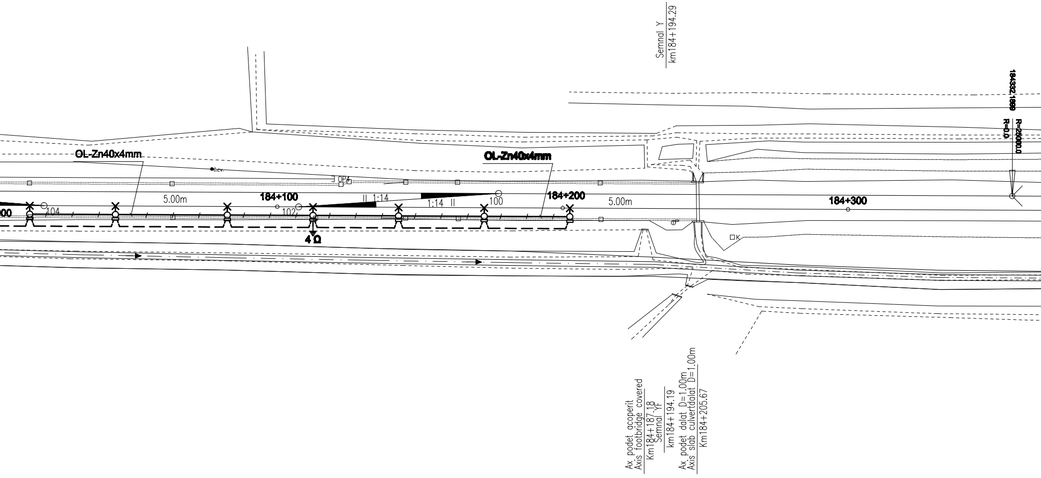
DEVIERE CANAL DE PAMANT
DEVIATION OF EARTH CHANNEL
KM 183+632 - KM 183+932
L = 302M

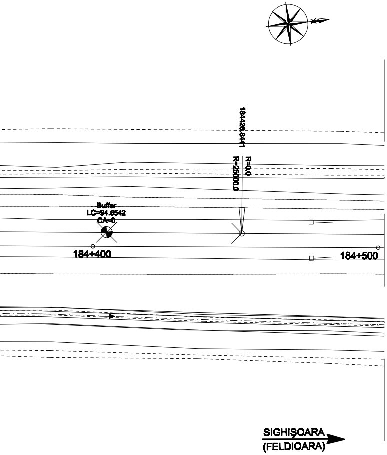
DEVIERE CANAL DE PAMANT
DEVIATION OF EARTH CHANNEL
KM 183+632.104 - KM 183+932.104
L = 302M

DECOLMATARE SI CALIBRARE CANAL EXISTENT
UNSILTING AND CALIBRATION OF EXISTING CHANNEL
KM 183+932,104 - KM 184+639,104; L = 713M

Intersectie LEA 3 fire (H=10.08m)
Km183+595.11

C.cv.
C.tel.
22/49
M8
1:9
R=250m
V05.05
20/49
R=700m
4 Ω
4 Ω
4 Ω
4 Ω
4 Ω
183+700
183+800
183+900
184+0
1:9
1:14
1:10
114
116
112
108
106
1:9
5.00m
1:14
PL. BET.
II


Semnal Y
km184+194.29
184332,1889
R=0.0
R=25000.0
OL-Zn40x4mm
c.cv.
OP4
OL-Zn40x4mm
5.00m
184+100
II 1:14
1:14 II
100
184+200
5.00m
184+300
00
104
102
4 Ω
K
Ax. podet acoperit
Axis footbridge covered
Km184+187.18
Semnal YF
km184+194.19
Ax. podet dalat D=1.00m
Axis slab culvertdalat D=1.00m
Km184+205.67


184426.8441
R=0.0
R=25000.0
Buffer
LC=94.6542
CA=0
184+400
184+500
SIGHIŞOARA
(FELDIOARA)

LEGENDA / *LEGEND:*

— — — — — — —	- Cablu de energie montat ingropat in sant pe pat de nisip *Power cable buried in trench on sand bed*
—·—·—·—·—·—	- Traseu grup cabluri *Route cable group*
–≍══════≍–	- Subtraversare CF in tub de PEID PN6 PE 80 *Railway undercrossing in PHED PN6 PE 80 pipe*
⏚	- Priza de pamint *Earth grounding plate*
–×—————×–	- Linie electrica subterana pentru iluminat exterior cu stalpi de beton (250W) *Underground electric line for outdoor lighting with concrete poles (250W)*
×	- Stalp de beton echipat cu corp de iluminat cu lampi cu vapori de mercur 250W, 230V, 50Hz, clasa I, IP54 *Concrete pole equipped with lighting unit with mercury vapours lamps 250W, 230V, 50Hz, class I, IP54*
× ×	- Stalp de beton echipat cu doua corpuri de iluminat cu lampi cu vapori de mercur 250W, 230V, 50Hz, clasaI, IP54 *Concrete pole equipped with two lighting units with mercury vapours lamps 250W, 230V, 50Hz, class I, IP54*
×	- Corp de iluminat echipat cu lampi cu vapori de mercur 250W, 230V, 50Hz, clasa I,IP54 *Lighting unit eguipped with mercur vapours lamps 250W, 230V, 50Hz, class I, IP54*
⊠	- Firida cu borne izolate *Niche with insulated terminals*
4Ω	- Cutie cu transformatoare de separatie *Booster transformers box*
PEID PN6 PE80 *PEHD PN6 PE80*	- Teava de polietilena de inalta densitate *High-density polyethylene pipe*
S.N.H. ○	- Separator de namol si hidrocarburi *Mud and hydrocarbon separator*
Ts.P. ◪	- Tablou electric pentru statie pompare *Electric board for pumping station*
◪ **C1, C2, C3**	- Cutie etansa pentru copertina (alimentata din T.I.E.) *Sealed box for canopy (powered supply from TIE)*
◪ **CV1, CV2, CV3**	- Cutie etansa pentru copertina (alimentata din T.C.V.) *Sealed box for canopy (powered supply from TCV)*

JURNAL DE CABLURI
JOURNAL OF CABLES

NR. *NO.*	DE LA *FROM*	PANA LA *TO*	SIMBOL CABLU *CABLE SYMBOL*
1	Firida F1 *F1 niche*	ILUMINAT CAP X *LIGHTING OF X END*	ACYABY3x35+16mm²
2	Firida F1 *F1 niche*	ILUMINAT CAP Y *LIGHTING OF Y END*	ACYABY3x25+16mm²
3	Firida F1 *F1 niche*	CUTIA C1 *C1 BOX*	CYABY 5x10mm² CSYABY14x1.5mm²
4	Firida F1 *F1 niche*	CUTIA C2 *C2 BOX*	CYABY 5x10mm² CSYABY14x1.5mm²
5	Firida F1 *F1 niche*	CUTIA C3 *C3 BOX*	CYABY 5x10mm² CSYABY14x1.5mm²
6	Firida F1 *F1 niche*	TTunel	CYABY 5x6mm²
7	Firida F1 *F1 niche*	Ts.P.	CYABY 5x6mm²
8	Firida F1 *F1 niche*	S.N.H.	CYABY 3x2.5mm²
9	Firida F1 *F1 niche*	CUTIA CV1 *CV1 BOX*	CYABY 5x4mm² CSYABY5x1.5mm²
10	Firida F1 *F1 niche*	CUTIA CV2 *CV2 BOX*	CYABY 5x4mm² CSYABY5x1.5mm²
11	Firida F1 *F1 niche*	CUTIA CV3 *CV3 BOX*	CYABY 5x4mm² CSYABY5x1.5mm²
12	Firida F1 *F1 niche*	ILUMINAT TUNEL PIETONAL *LIGHTING OF PEDESTRIAN TUNNEL*	CYABY 3x2.5mm²

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 FINANȚAT 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	12.2011	
Aprobat Approved	Coordonator Secțiune 1 Section 1 Coordinator	C. Gambelli	12.2011	
Verificat Checked	Expert Verificator Checking Expert	G. Fioravanti	12.2011	

SUBCONTRACTANT / SUBCONTRACTOR

AREX COMPANY

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu	12.2011	
Întocmit Elaborated	Proiectant Designer	D. Matei	12.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația 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 :

Rețele electrice exterioare - Stația Bod;
Bod station - Outdoor electric networks

Codificare / Codification System	Scara / Scale 1:1000	LOT / LOT	Nr. / No 01 / 01

E A 5 1 | 0 1 | C | 0 5 | L 7 | I E | 0 0 | 2 | 1 | 0 2 6 | 2

A3(297x3045)