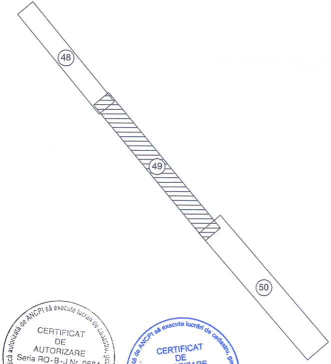
LEGENDA/LEGEND

- BORNA RETEA DE INDESIRE/ BENCHMARK OF THE SECONDARY NETWORK
- REPER DE NIVELMENT DE BAZA/ REFERENCE BASE LEVEL
- REPER DE NIVELMENT TEHNIC/ REFERENCE TECHNICAL LEVEL
- BORNA KILOMETRICA-HECTOMETRICA/ KILOMETRIC-HECTOMETRIC BENCHMARK
- BORNA ZONA CF/ BENCHMARK OF THE RAILWAY AREA
- BORNA CABLU/ CABLE BENCHMARK
- BORNA FIBRA OPTICA/ OPTICAL FIBER BENCHMARK
- MUFA CABLU/ CABLE BOX
- CUTIE CABLU/ CABLE BOX
- COLOANA CONVORBIRE/ CONVERSATION COLUMN
- MARCA DE SIGURANTA/ SAFETY MARK
- SEMNAL LUMINOS PE STALP/ LIGHT SIGNAL ON POLE
- SEMNAL LUMINOS PITIC/ SMALL TRAFFIC LIGHTER
- AVERTIZOR PENTRU TRECERE LA NIVEL/ WARNING DEVICE FOR LEVEL CROSSING
- BARIERA/ RAILWAY GATE
- CRUCE/ CROSS
- CUTIE DIN FONTA GAZE/ GAS FONT BOX
- CAMIN DE VIZITARE TELEFON/ PHONE MANHOLE
- CAMIN DE VIZITARE CANAL/ SEWERAGE MANHOLE
- GURA DE AERISIRE CANALIZARE/ MOUTH VENTING SEWAGE
- CAMIN DE VIZITARE APA/ WATER MANHOLE
- MARTOR GAZE/ GAS TELLTALE
- PANOU ELECTRIC/ ELECTRIC PANEL
- HIDRANT/ HYDRANT
- GEIGER/ GEIGER
- FANTANA/ FOUNTAIN
- CISMEA/ DRINKING FOUNTAIN
- POM/ TREE
- STALP POARTA/ GATE POLE
- OPRITOR CF/ CATCHER OF RAILWAY LINE
- JOANTA IZOLATA DE LEGATURA/ INSULATING JOINT
- SCHIMBARE TIP SINA DE CALE FERATA/ RAIL TYPE CHANGE
- SCHIMBARE TIP DE TRAVERSE/ SLEEPER TYPE CHANGE
- DULAP CENTRALIZARE ELECTRODINAMICA/ SWITCH ELECTRODINAMIC CENTRALIZATION
- TRANSFORMATOR ELECTRIC PE STALP/ POLE ELECTRICAL TRANSFORMER
- INDICATOR/ ROAD SIGN

○78.658	PUNCT RADIAT/ RADIATED POINT
○ 67+251.00	PICHET/ STAKE
NR 7/8 TIP49 1:9 1:9	
NR 6 TIP49 1:9	SCHIMBATORE DE CALE/ SWITCH
NR 6 TIP49 1:9	
○	STALP DIN LEMN/ WOOD POLE
◐	STALP DIN BETON/ CONCRETE POLE
●	STALP DIN METAL/ METAL POLE
	LAMPADAR PE ALEI/ LAMPADAR ON SIDE STRET
□	STALP INALTA TENSIUNE/ POWER-LINE TOWER
◐ SE 120	STALP ELECTRIC DIN BETON/ CONCRETE ELECTRIC POLE
■ SE 120	STALP ELECTRIC DIN METAL/ METALLIC ELECTRIC POLE
⋈	STALP DIFUZOR/ LOUD-SPEAKER POLE
	SUSTINERE LINIE DE CONTACT/ CONTACT WIRE
	ANCORA SUSTINERE STALP/ POLE ANCHOR
	LIMITA ZONA CFR INTABULATA/ LIMITED CFR AREA INCLUDED
	LIMITA UAT/ UAT LIMIT
	SUPRAFATA NECESARA PROIECTULUI/ NECESSARY PROJECT SURFACE
	CADSTRE VECINE/ NEIGHBORHOOD
	AX CF/ RAILWAY LINE AXE
	TALUZ SUS/ SOIL SLOPE UP
	TALUZ JOS/ SOIL SLOPE DOWN
	SANT DE SCURGERE A APELOR SUS/ DRAIN DITCH UP
	SANT DE SCURGERE A APELOR JOS/ DRAIN DITCH DOWN
	GARD DIN BETON/ CONCRETE FENCE
	GARD DIN LEMN/ WOOD FENCE
	GARD DIN METAL/ METAL FENCE
	GARD DIN PLASA/ CHAIN-LINK FENCE
××××××	GARD DIN SARMA/ BARBED WIRE FENCE
	GARD VIU-LIMITA PADURE/ GREEN FENCE-FOREST LIMIT
	ZID SUS/ UP WALL
	ZID JOS/ DOWN WALL
	RIGOLA/ CREVICE
	RAU/ RIVER



CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. 0684 S.C. VIO - TOP S.R.L. CLASA II

CERTIFICAT DE AUTORIZARE Seria RO-B-F, Nr 1650 Maria Gina UNGUREANU CATEGORIA

NOTA: SISTEM DE PROIECTIE STEREOGRAFIC 1970
SISTEM DE REFERINŢĂ PENTRU COTE "0" MAREA NEAGRĂ 1975

NOTE: STEREOGRAPHIC PROJECT SYSTEM 1970
REFERENCE SYSTEM FOR QUOTES "0" BLACK SEA 1975

CENTRUL NAȚIONAL DE CARTOGRAFIE
Prezentul document este însoțit de procesul-verbal de recepție
nr. 3 /data 30.08.2018
Marița DOGARU - Coordonator comisie recepție C.N.C.

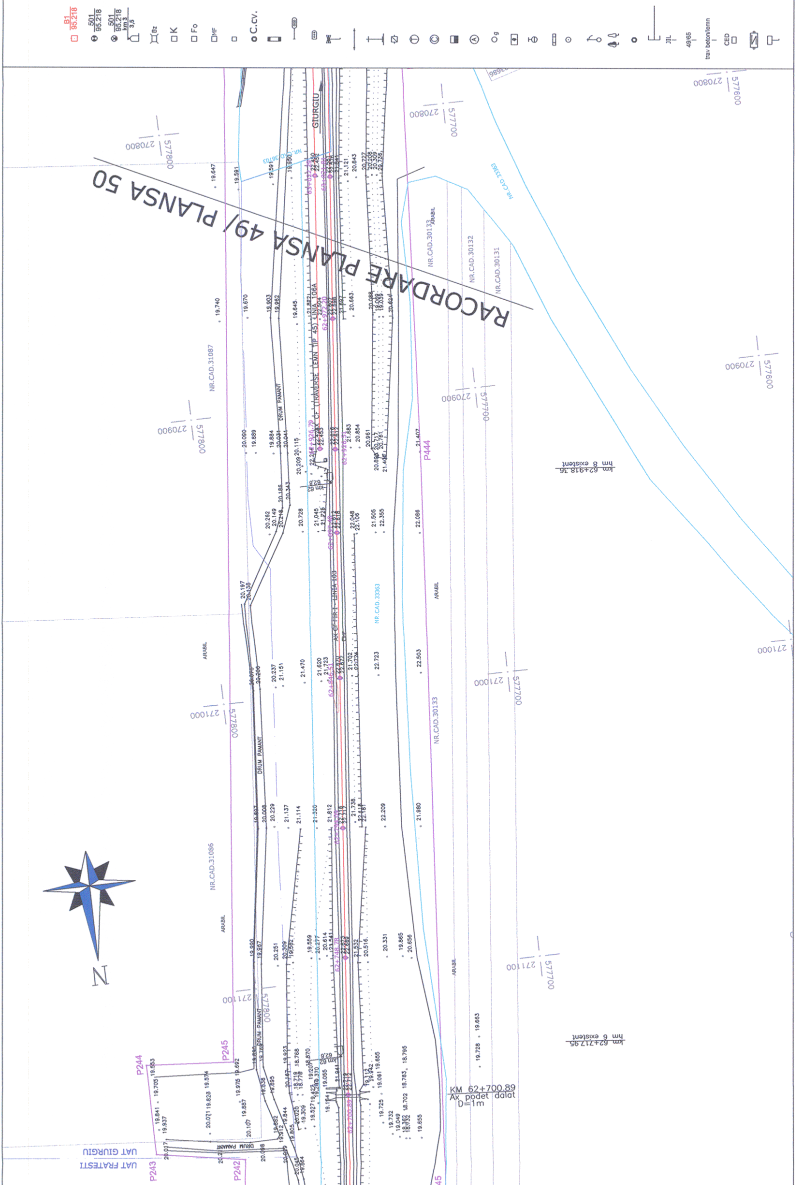
PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT
UNIUNEA EUROPEANĂ

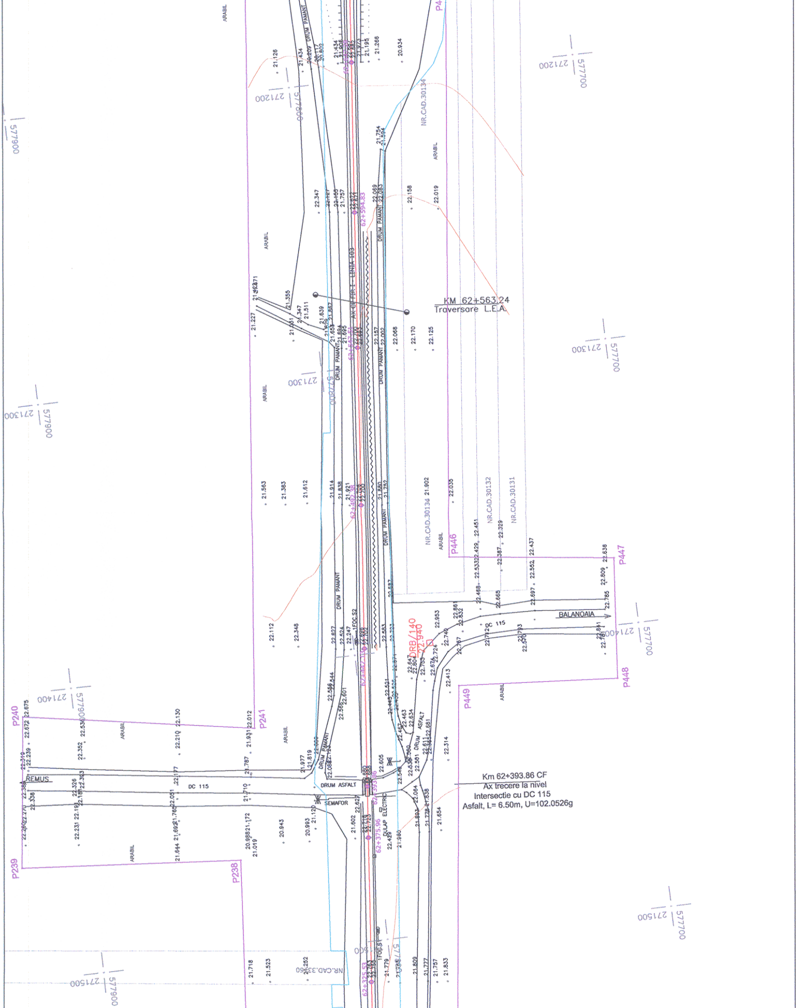
GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

Instrumente Structurale 2014-2020

BENEFICIAR BENEFICIARY:	COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE: BAICONS & acciona Ingeniería J40/9877/2001 J40/20534/2004 SUBCONTRACTANT/ S.C. VIOTOP SRL SUBCONTRACTOR: J/40/4967/1999	DENUMIRE PROIECT/ DENUMIRE LUCRARE: PROJECT TITLE/ WORKS TITLE: "MODERNIZAREA LINIEI CF BUCUREȘTI NORD-JILAVA-GIURGIU NORD-GIURGIU NORD FRONTIERĂ" *Lot 2 - MODERNIZAREA INFRASTRUCTURII DE CALE FERATA DINTRE STATIILE CF BUCURESTI NORD - GIURGIU NORD - GIURGIU FRONTIERA* "MODERNIZATION OF THE RAILWAY LINE BUCHAREST NORTH JILAVA - GIURGIU NORTH - GIURGIU NORTH BORDER" *LOT 2 - MODERNIZATION OF RAILWAY INFRASTRUCTURE BETWEEN RAILWAY STATIONS BUCHAREST NORD-GIURGIU NORTH-GIURGIU BORDER*

	NUME/NAME	SEMNATURA/ SIGNATURE		
PROIECTANT/ DESIGNER	Ing. R. BURCEA		SPECIALITATE/ SPECIALITY	STUDIU TOPOGRAFIC TOPOGRAPHICAL STUDY
EXPERT CHEIE/ KEY EXPERT	Ing. G.UNGUREANU		DENUMIRE PLAN/ DRAWING TITLE	PLAN DE SITUATIE/LAYOUT PLAN INTERVAL CF FRĂȚEȘTI-GIURGIU NORD/ FRATESTI-GIURGIU NORD SECTION
MP/PM	Ing. G.UNGUREANU			
DATA/DATE: 01.2018		SCARA/SCALE: 1:1000	EXEMPLAR NR./ EXEMPLARY NO. 1	COD PLAN/CODIFICATION SYSTEM: ST 207 Lot 2 31 ST 49 00


B1
95.218
501
95.218
km 3
3,5
Bz
K
Fo
MF
C.CV.
49/65
trav beton/lemn
CED
RACORDARE PLANSA 49/ PLANSA 50
GIURGIU
NR.CAD.36703
NR.CAD.31087
NR.CAD.31086
NR.CAD.30133
NR.CAD.30132
NR.CAD.30131
NR.CAD.33363
ARABIL
DRUM PAMANT
LINIA 106A
CF (TRAVERSE LEMN TIP 45)
AX CF FIR 1 LINIA 103
63+022,29
62+972,20
62+926,79
62+846,51
62+748,78
62+700,89
km 62+918.36
hm 8 existent
km 62+717.95
hm 9 existent
KM 62+700.89
Ax podet dalat
D=1m
P444
P242
P243
P244
P245
UAT GIURGIU
UAT FRATESTI
270800
270900
271000
271100
577600
577700
577800
N


ARABIL
DRUM PAMANT
577900
271200
577800
577700
NR.CAD.30134
62+594.83
AX CF FIR 1 LINIA 103
62+543.51
62+492.38
62+447.16
62+393.86
62+375.96
62+325.53
271300
271400
271500
NR.CAD.30134
NR.CAD.30132
NR.CAD.30131
P446
P447
P448
P449
P240
P241
P239
P238
BALANOAIA
DC 115
DRB/140
22.940
1FOC S2
DRUM ASFALT
REMUS
SEMAFOR
DULAP ELECTRIC
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21.757
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21.867
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21.921
21.880
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22.451
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22.636
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22.697
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22.753
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22.804
22.601
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22.675
22.672
22.130
22.210
22.012
21.931
22.352
22.239
22.319
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22.605
22.834
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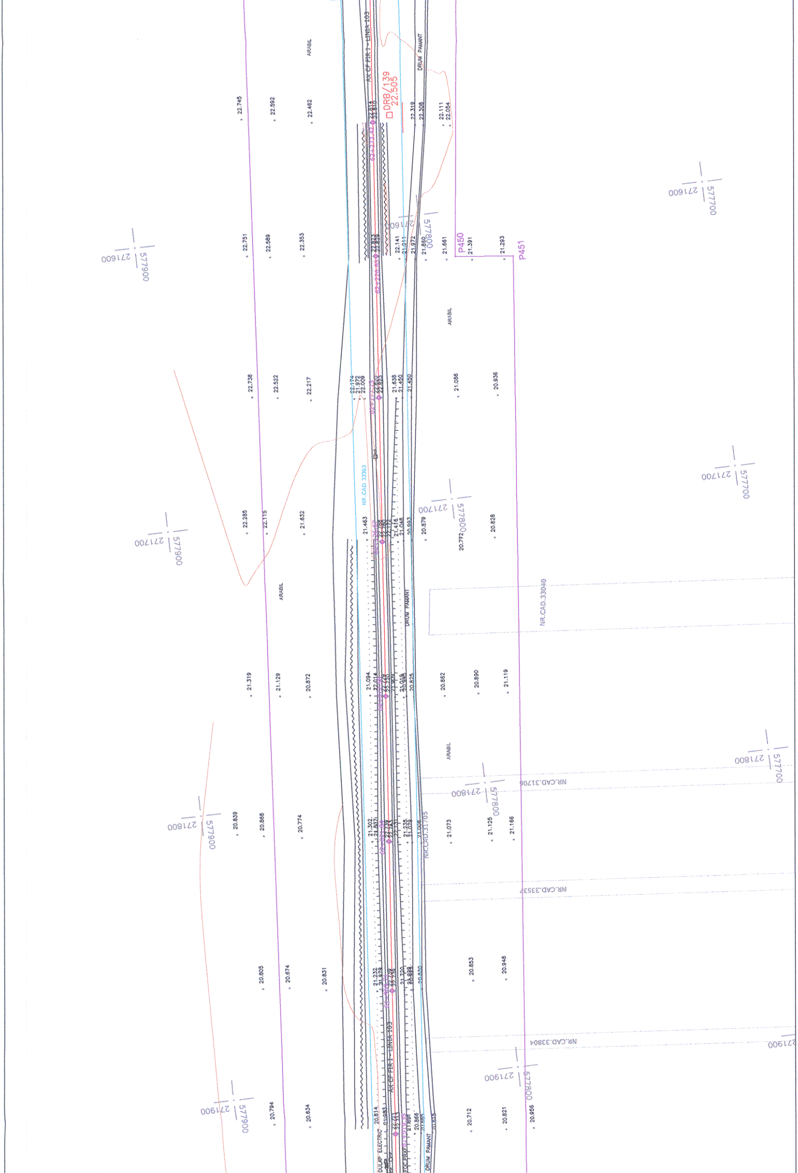
21.602
22.627
22.064
21.838
21.654
21.893
21.778
21.980
22.429
21.718
21.523
22.252
21.779
21.809
21.777
21.757
21.833

KM 62+563.24
Traversare L.E.A.

Km 62+393.86 CF
Ax trecere la nivel
Intersectie cu DC 115
Asfalt, L= 6.50m, U=102.0526g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DRB/139
22.505
DRUM PAMANT
ARABIL
P450
P451
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NR.CAD.31705
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DULAP ELECTRIC
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271600
577800
271700
577700
271800
271900
22.745
22.592
22.462
22.751
22.589
22.353
22.738
22.522
22.217
22.285
22.115
21.632
21.319
21.129
20.872
20.839
20.868
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20.831
20.794
20.634
22.319
22.308
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22.141
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21.661
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21.302
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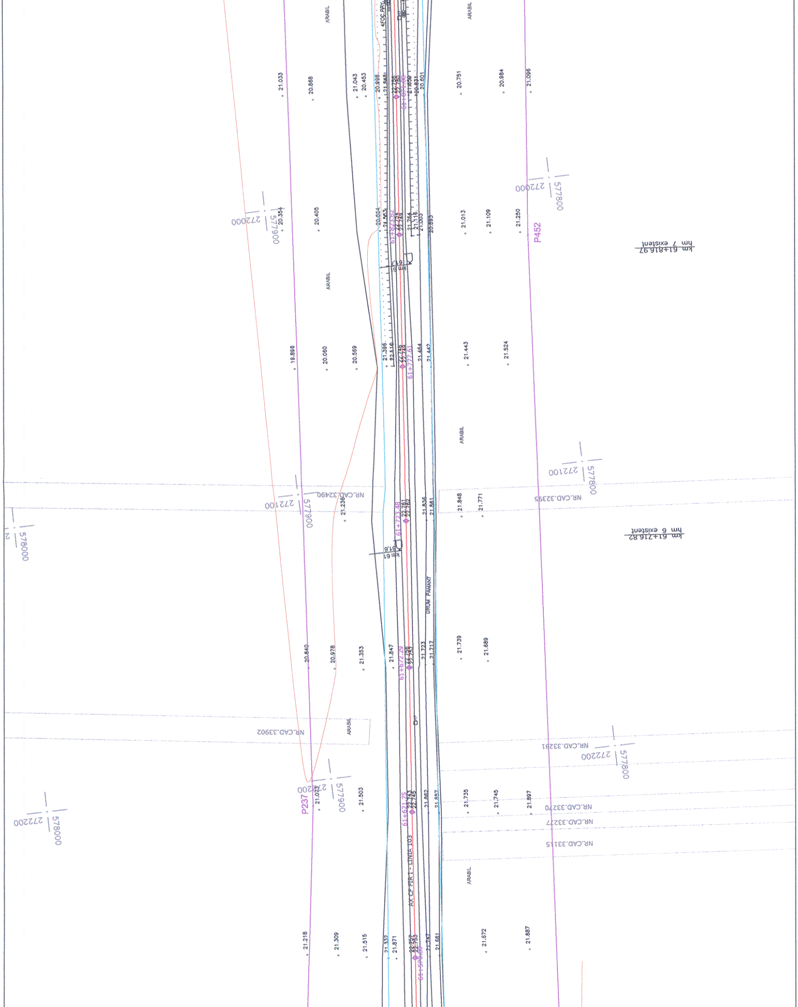
20.956


ARABIL
4FOC.PRG
21.033
20.868
21.043
20.453
20.998
21.548
22.756
22.780
61+874.00
21.859
21.831
20.601
ARABIL
20.751
20.984
21.096
577800
272000
577900
272000
20.351
20.405
20.604
21.563
61+823.67
22.724
22.749
21.784
21.116
21.003
20.893
21.013
21.109
21.250
P452
km 61+816.97
hm 7 existent
ARABIL
19.896
20.060
20.559
21.396
22.510
61+772.61
21.454
21.442
21.443
21.524
ARABIL
577800
272100
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577900
272100
21.236
61+723.48
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22.762
21.836
21.861
21.848
21.771
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km 61+716.82
hm 6 existent
578000
km 61
DRUM PAMANT
20.840
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NR.CAD.33281
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21.745
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272200
ARABIL
AX CF PIR 1 - LINIA 103
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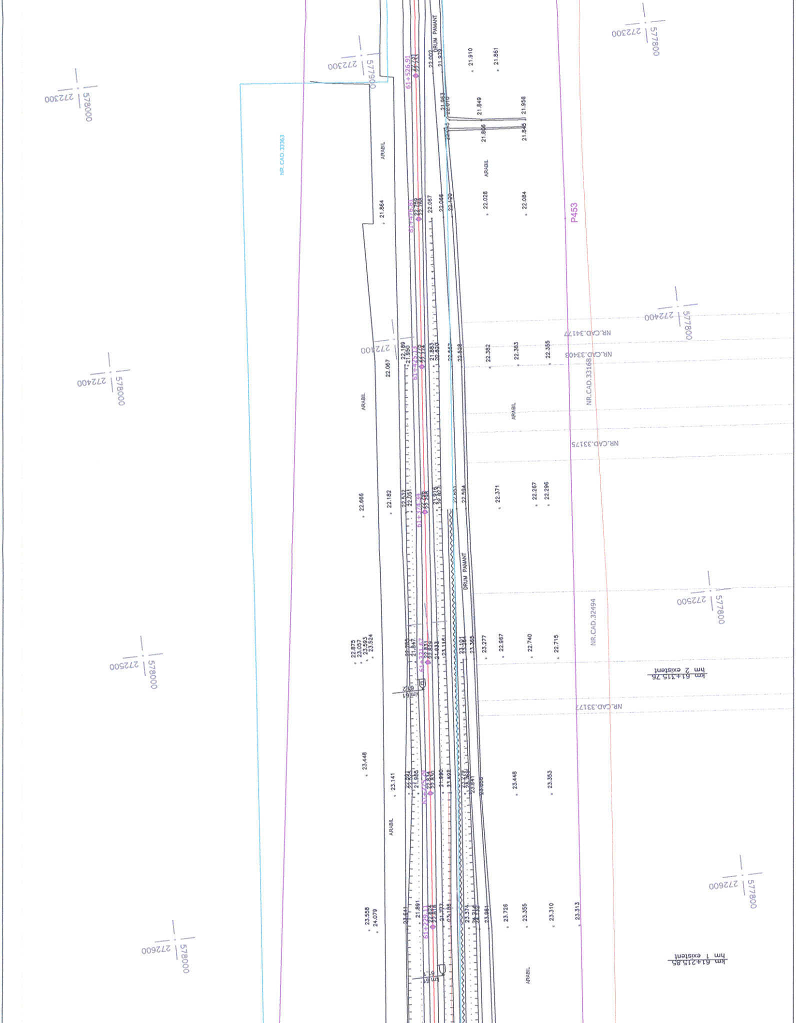
578000
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577900
272300
577800
272300
NR.CAD.33363
ARABIL
DRUM PAMANT
61+526.91
61+476.81
61+425.13
61+374.34
61+321.67
61+275.79
61+229.11
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577800
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NR.CAD.33175
NR.CAD.32494
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272500
577800
272500
km 61+315.76
hm 2 existent
NR.CAD.33177
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272600
577800
272600
km 61+215.85
hm 1 existent
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21.861
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21.958
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22.067
22.028
22.084
22.382
22.383
22.355
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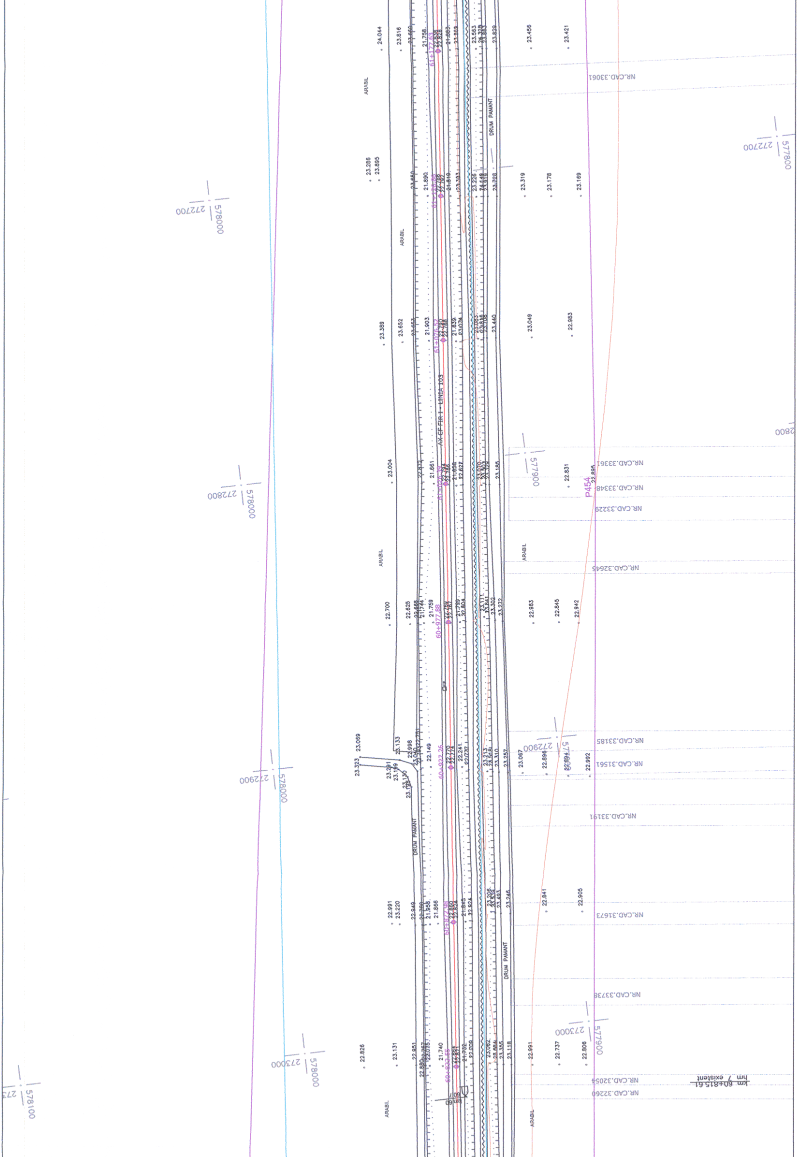
AX CF FIR 1 - LINIA 103
DRUM PAMANT
ARABIL
P454
km 60+815.61
hm 7 existent
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61+177.63
61+076.52
61+026.39
60+977.88
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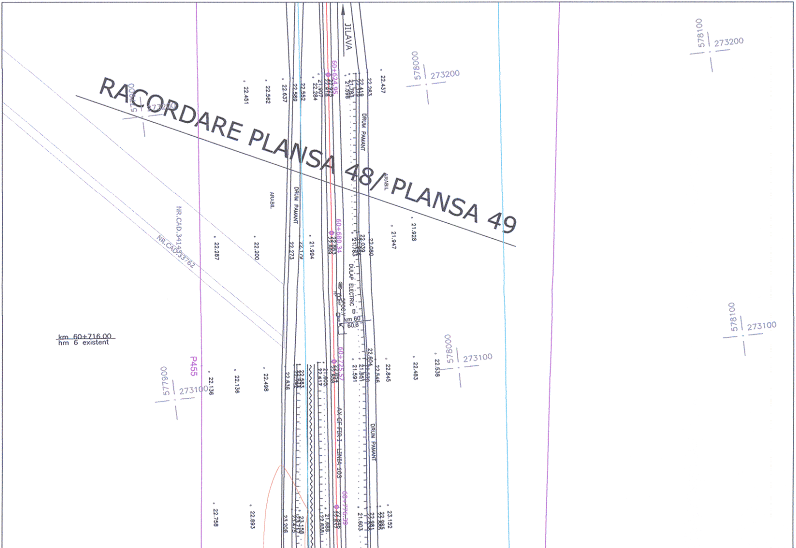
RACORDARE PLANSA 48/ PLANSA 49
JILAVA
60+624.95
60+680.34
60+725.57
60+776.39
DRUM PAMANT
DRUM PAMANT
DRUM PAMANT
ARABIL
ARABIL
DULAP ELECTRIC
km 60
60.0
AX CF FIR I - LINIA 103
NR.CAD.34143
NR.CAD.33762
km 60+716.00
hm 6 existent
P455
578100
273200
578000
273200
577900
273200
578100
273100
578000
273100
577900
273100
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