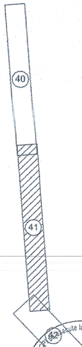
LEGENDA/LEGEND

BORNA RETEA DE INDESIRE/ BENCHMARK OF THE SECONDARY NETWORK	o78.658	PUNCT RADIAT/ RADIATED POINT
REPER DE NIVELMENT DE BAZA/ REFERENCE BASE LEVEL	○ 67+251.00	PICHET/ STAKE
REPER DE NIVELMENT TEHNIC/ REFERENCE TECHNICAL LEVEL	1:9 NR 7/8 TIP48 1:9	
BORNA KILOMETRICA-HECTOMETRICA/ KILOMETRIC-HECTOMETRIC BENCHMARK	NR 6 TIP 1:9	SCHIMBATORE DE CALE/ SWITCH
BORNA ZONA CF/ BENCHMARK OF THE RAILWAY AREA	NR 6 TIP 1:9	
BORNA CABLU/ CABLE BENCHMARK	○	STALP DIN LEMN/ WOOD POLE
BORNA FIBRA OPTICA/ OPTICAL FIBER BENCHMARK	◐	STALP DIN BETON/ CONCRETE POLE
MUFA CABLU/ CABLE BOX	●	STALP DIN METAL/ METAL POLE
CUTIE CABLU/ CABLE BOX		LAMPADAR PE ALEI/ LAMPADAR ON SIDE STRET
COLOANA CONVORBIRE/ CONVERSATION COLUMN	□	STALP INALTA TENSIUNE/ POWER-LINE TOWER
MARCA DE SIGURANTA/ SAFETY MARK	◐ SE 120	STALP ELECTRIC DIN BETON/ CONCRETE ELECTRIC POLE
SEMNAL LUMINOS PE STALP/ LIGHT SIGNAL ON POLE	■ SE 120	STALP ELECTRIC DIN METAL/ METALLIC ELECTRIC POLE
SEMNAL LUMINOS PITIC/ SMALL TRAFFIC LIGHTER		STALP DIFUZOR/ LOUD-SPEAKER POLE
AVERTIZOR PENTRU TRECERE LA NIVEL/ WARNING DEVICE FOR LEVEL CROSSING		SUSTINERE LINIE DE CONTACT/ CONTACT WIRE
BARIERA/ RAILWAY GATE		ANCORA SUSTINERE STALP/ POLE ANCHOR
CRUCE/ CROSS		LIMITA ZONA CFR INTABULATA/ LIMITED CFR AREA INCLUDED
CUTIE DIN FONTA GAZE/ GAS FONT BOX		LIMITA UAT/ UAT LIMIT
CAMIN DE VIZITARE TELEFON/ PHONE MANHOLE		SUPRAFATA NECESARA PROIECTULUI/ NECESSARY PROJECT SURFACE
CAMIN DE VIZITARE CANAL/ SEWERAGE MANHOLE		CADSTRE VECINE/ NEIGHBORHOOD
GURA DE AERISIRE CANALIZARE/ MOUTH VENTING SEWAGE		AX CF/ RAILWAY LINE AXE
CAMIN DE VIZITARE APA/ WATER MANHOLE		TALUZ SUS/ SOIL SLOPE UP
MARTOR GAZE/ GAS TELLTALE		TALUZ JOS/ SOIL SLOPE DOWN
PANOU ELECTRIC/ ELECTRIC PANEL		SANT DE SCURGERE A APELOR SUS/ DRAIN DITCH UP
HIDRANT/ HYDRANT		SANT DE SCURGERE A APELOR JOS/ DRAIN DITCH DOWN
GEIGER/ GEIGER		GARD DIN BETON/ CONCRETE FENCE
FANTANA/ FOUNTAIN		GARD DIN LEMN/ WOOD FENCE
CISMEA/ DRINKING FOUNTAIN		GARD DIN METAL/ METAL FENCE
POM/ TREE		GARD DIN PLASA/ CHAIN-LINK FENCE
STALP POARTA/ GATE POLE	×—×—×—×	GARD DIN SARMA/ BARBED WIRE FENCE
OPRITOR CF/ CATCHER OF RAILWAY LINE		GARD VIU-LIMITA PADURE/ GREEN FENCE-FOREST LIMIT
JOANTA IZOLATA DE LEGATURA/ INSULATING JOINT		ZID SUS/ UP WALL
SCHIMBARE TIP SINA DE CALE FERATA/ RAIL TYPE CHANGE		ZID JOS/ DOWN WALL
SCHIMBARE TIP DE TRAVERSE/ SLEEPER TYPE CHANGE		RIGOLA/ CREVICE
DULAP CENTRALIZARE ELECTRODINAMICA/ SWITCH ELECTRODINAMIC CENTRALIZATION		RAU/ RIVER
TRANSFORMATOR ELECTRIC PE STALP/ POLE ELECTRICAL TRANSFORMER		
INDICATOR/ ROAD SIGN		



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

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

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

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

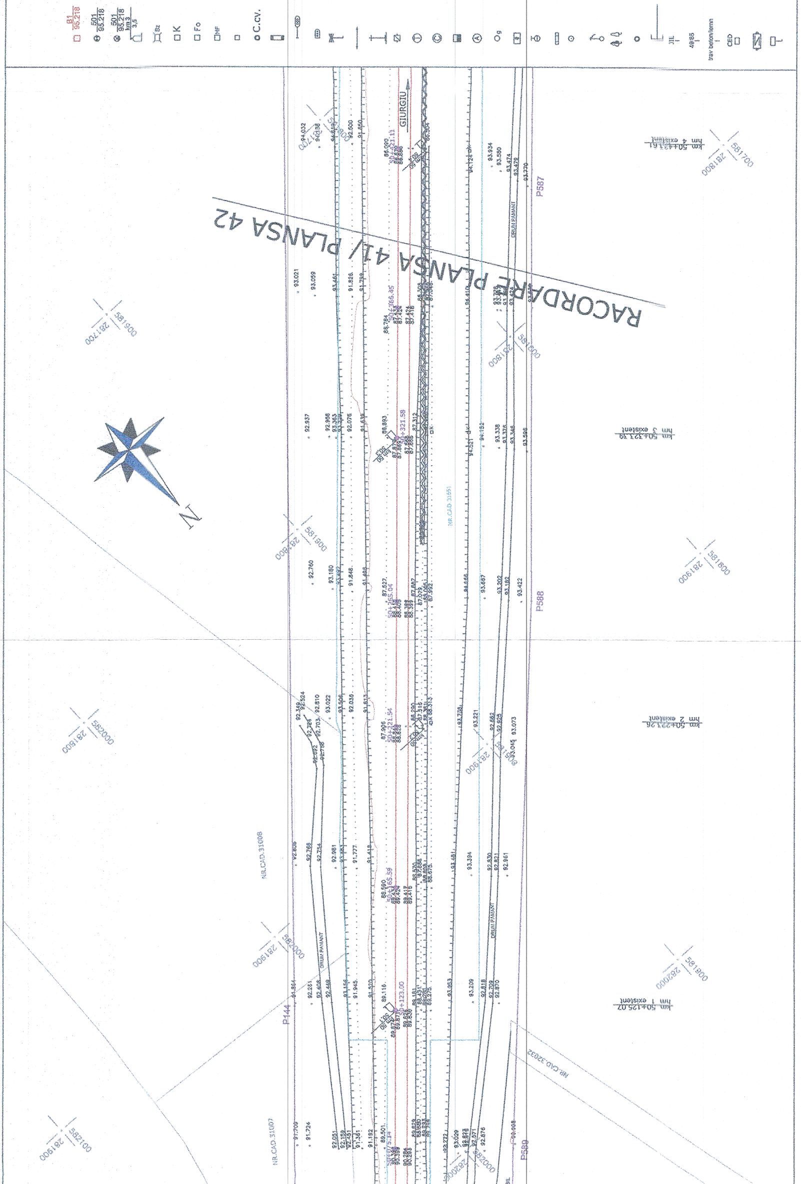
CENTRUL NAȚIONAL DE CARTOGRAFIE
Prezentul document este însoțit de procesul-verbal de recepție
nr. 3 din data 30.03.2018
Mariția DOGARU - Coordonator comisie recepție C.N.C.

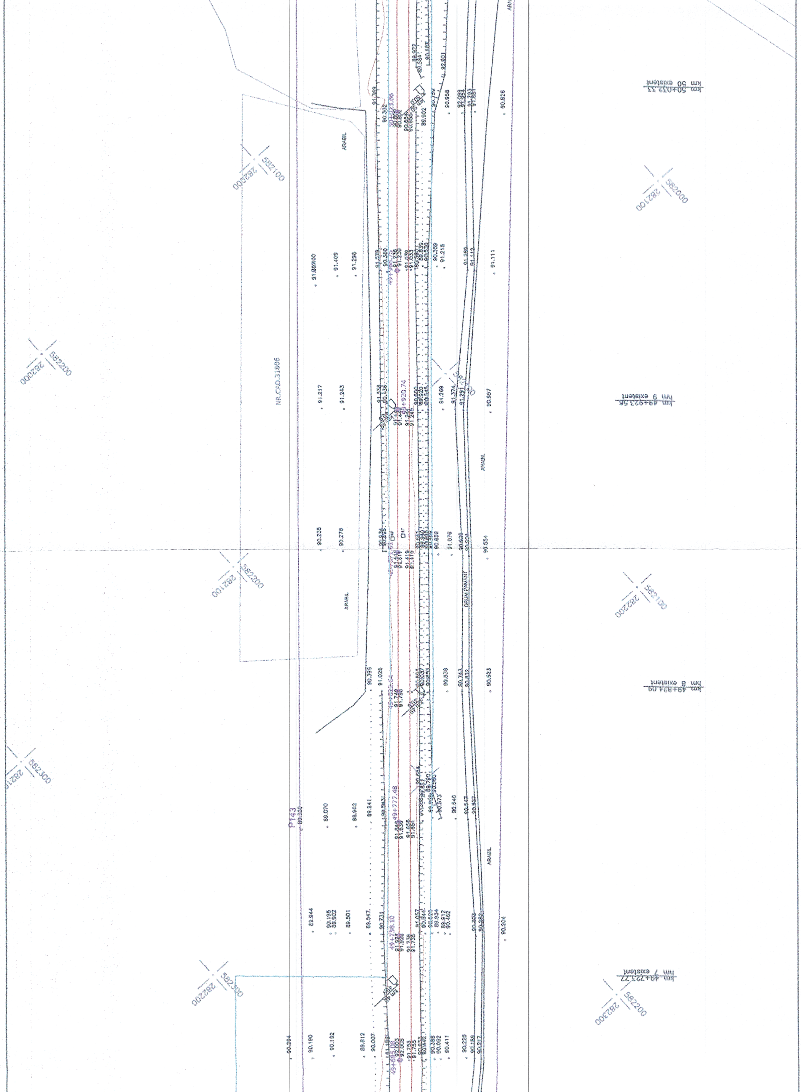
PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

UNIUNEA EUROPEANĂ

GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

BENEFICIAR/ BENEFICIARY:	COMPANIA NAȚIONALĂ DE CĂI FERATE "C.F.R." S.A. ROMANIAN RAILWAY NATIONAL COMPANY			
PROIECTANT/ DESIGNER: ASOCIEREA/ JOINT VENTURE:	J40/9877/2001 & acciona Ingeniería 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	SPECIALITATE/ SPECIALITY	STUDIU TOPOGRAFIC TOPOGRAPHICAL STUDY
PROIECTANT/ DESIGNER	Ing. R. BURCEA			
EXPERT CHEIE/ KEY EXPERT	Ing. G.UNGUREANU		DENUMIRE PLAN/ DRAWING TITLE	PLAN DE SITUATIE/LAYOUT PLAN INTERVAL CF BANEASA GIURGIU-TABANU/ BANEASA GIURGIU-TABANU 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 25 ST 41 00


RACORDARE PLANSA 41/ PLANSA 42
GIURGIU
N
km 50+421.61
hm 4 existent
km 50+321.39
hm 3 existent
km 50+221.26
hm 2 existent
km 50+125.07
hm 1 existent
P587
P588
P589
P144
NR.CAD.31651
NR.CAD.31006
NR.CAD.31007
NR.CAD.32032
DRUM PAMANT
B1 95.218
501 95.218
C.CV.
trav beton/lemn
CED


km 50 existent
km 49+923.56
hm 9 existent
km 49+824.09
hm 8 existent
km 49+723.72
hm 7 existent
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582100
282100
582000
282000
582200
282100
582200
282200
582100
282100
582300
282200
582200
282300
582200
NR.CAD.31806
ARABIL
ARABIL
ARABIL
ARABIL
DRUM PAMANT
P143
49+920.74
49+777.48
49+738.10
km 49
91.217
91.243
91.409
91.298
90.235
90.276
90.396
91.025
90.636
90.523
90.597
91.269
91.374
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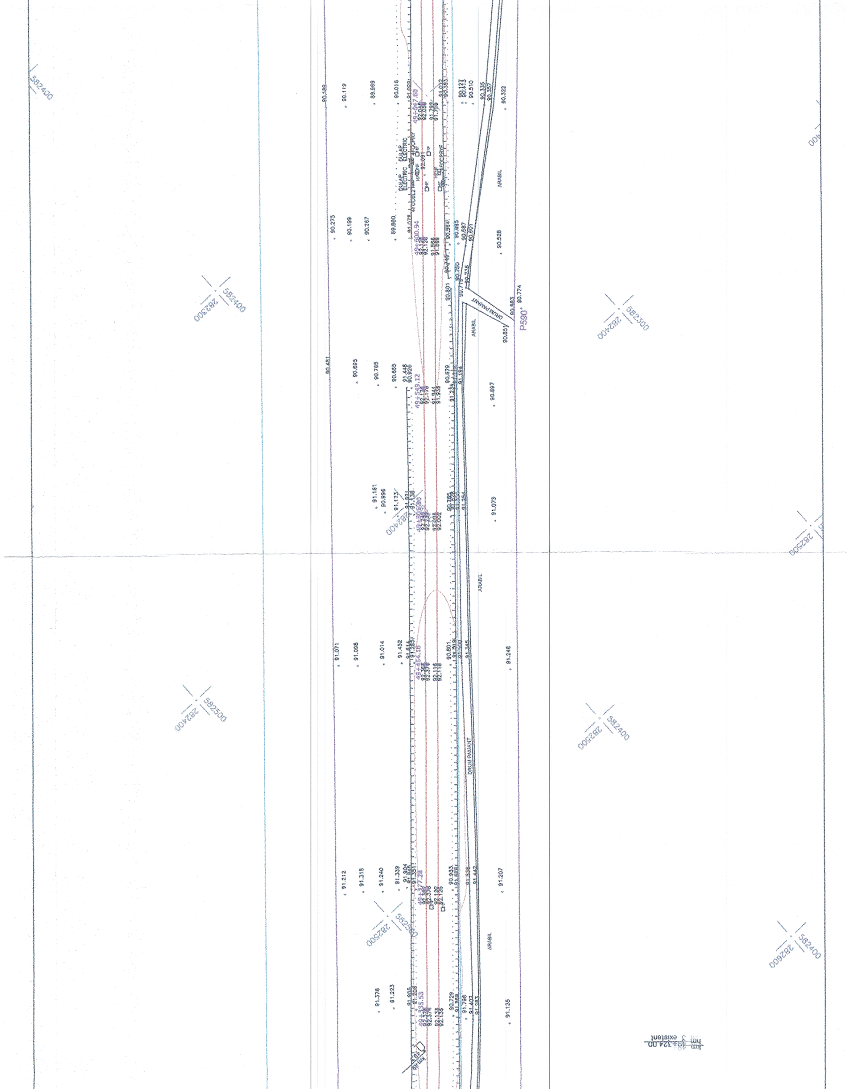

582400
282300
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282500
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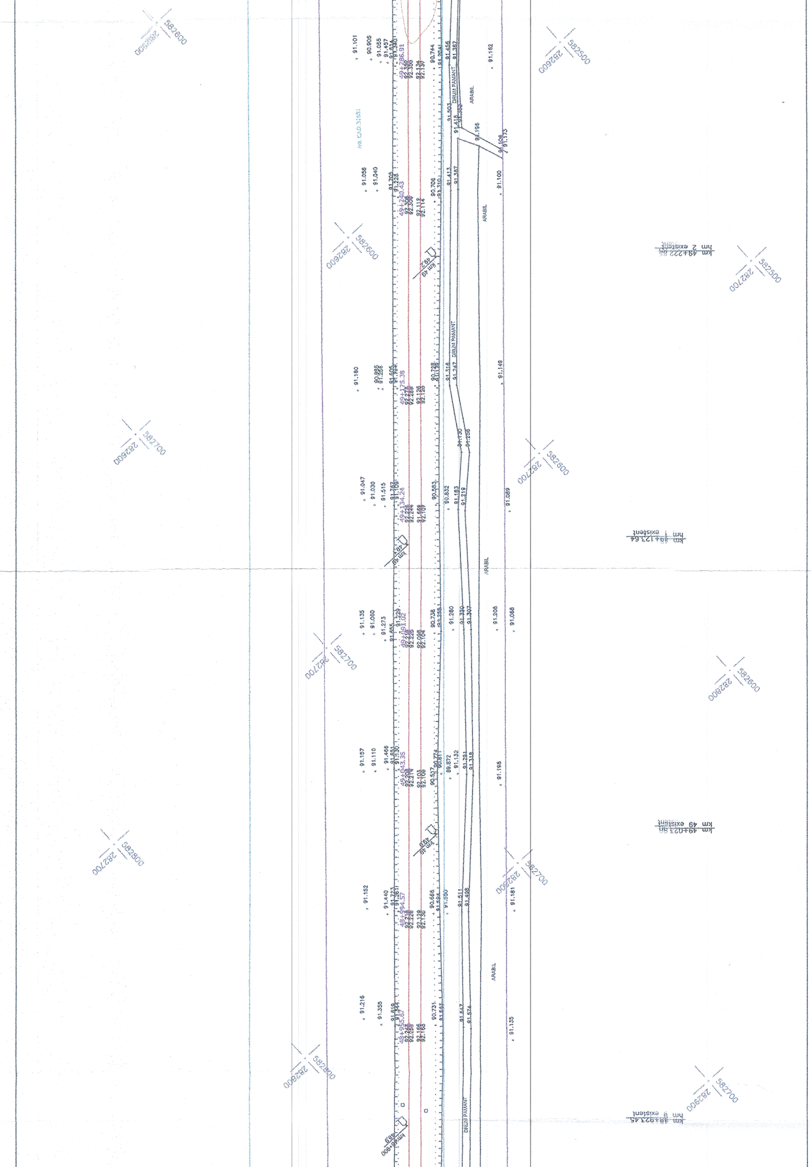
582400
282600
ARABIL
ARABIL
ARABIL
ARABIL
DRUM PAMANT
DRUM PAMANT
P590
494+647.60
494+600.54
494+549.12
494+454.16
494+417.28
494+335.53
90.774
90.883
90.851
90.528
90.322
90.697
91.073
91.246
91.207
91.135
90.119
89.969
90.273
90.199
90.267
90.695
90.765
91.161
90.996
91.071
91.098
91.014
91.432
91.212
91.315
91.240
91.339
91.376
91.223
hm 3 existent
km 494+324.00



NR. CAD. 31451
DRUM PAMANT
ARABIL
km 49+222.86 existent
km 49+123.64 existent
km 49+023.86 existent
km 48+923.45 existent
49+286.91
49+240.43
49+175.38
49+134.24
49+091.02
49+043.35
48+994.57
48+955.67
582500
582600
582700
582800
282600
282700
282800
91.101
90.905
91.055
91.058
91.040
91.180
91.047
91.030
91.135
91.060
91.157
91.110
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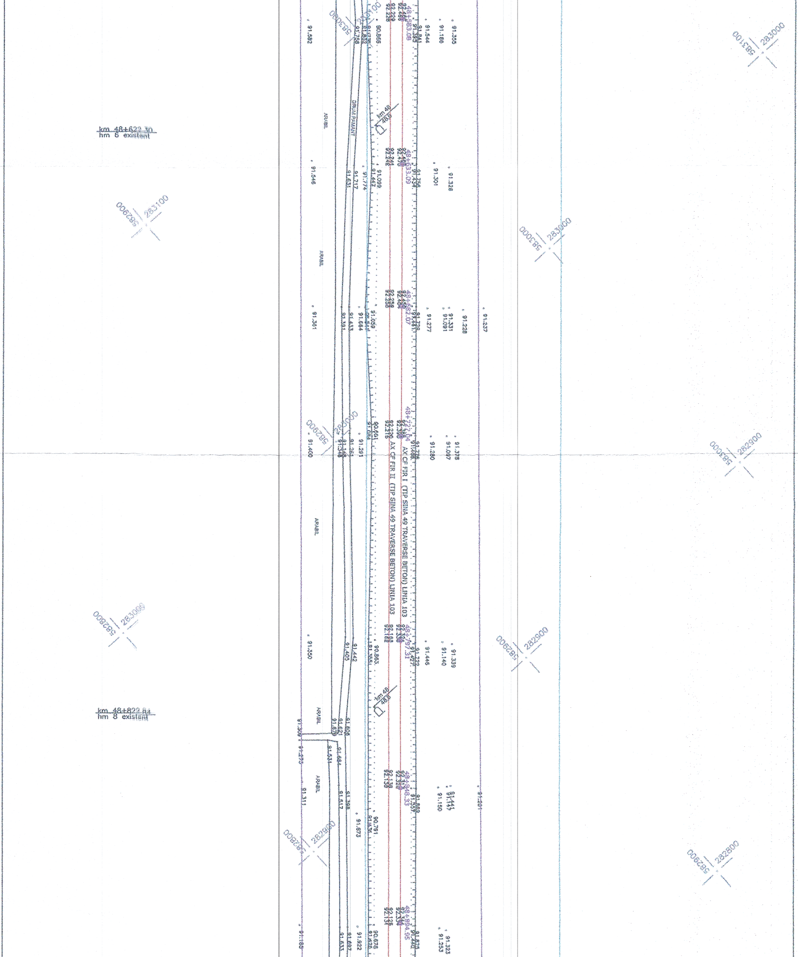
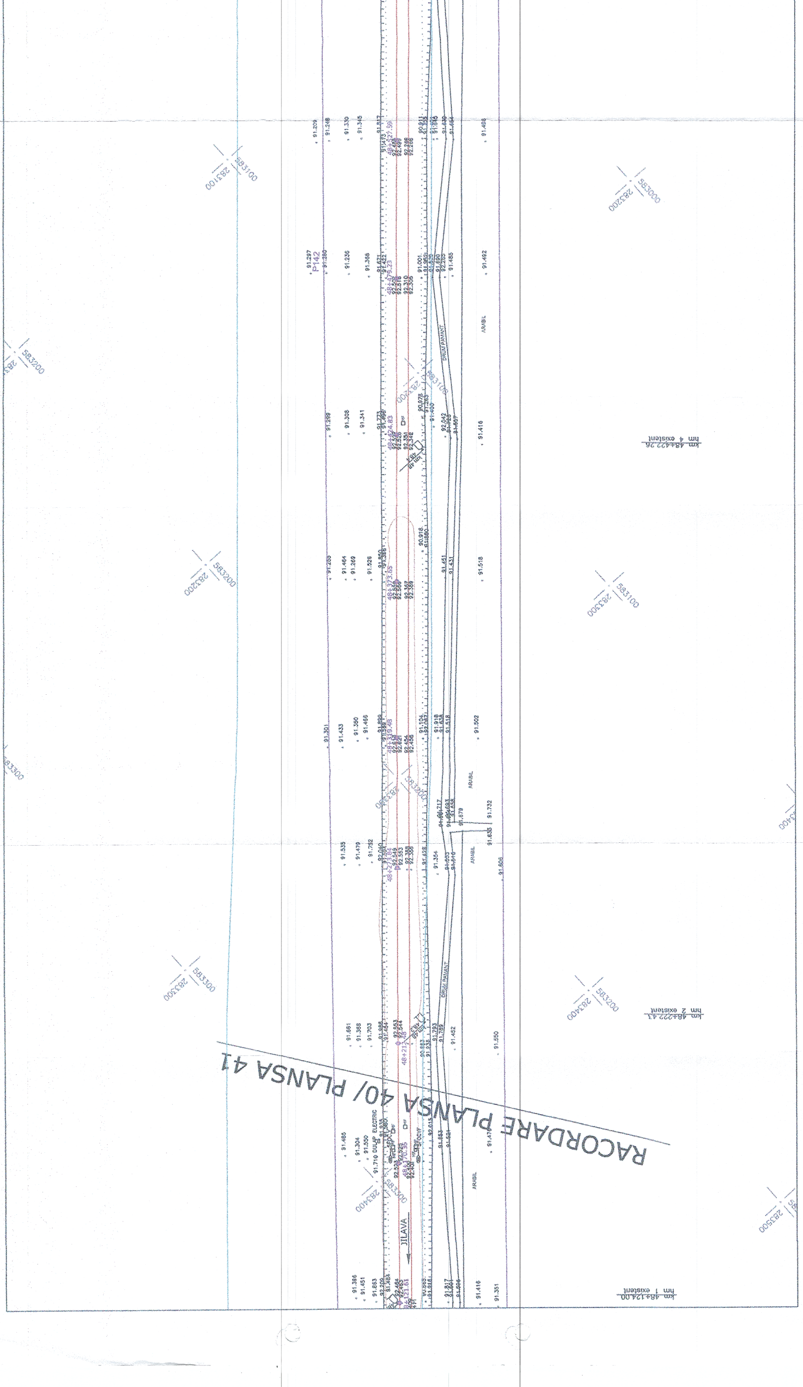
91.198
91.181
91.135


km 48+622.10
hm 6 existent
km 48+822.84
hm 8 existent
AX CF FIR I (TIP SINA 49 TRAVERSE BETON) LINIA 103
AX CF FIR II (TIP SINA 49 TRAVERSE BETON) LINIA 103
48+583.08
48+633.09
48+682.07
48+797.31
48+848.33
48+894.95
km 48
48.6
ARABIL
DRUM PAMANT
283000
583100
283100
582900
283000
583000
282900
282800
582800


RACORDARE PLANSA 40/ PLANSA 41
km 48+422.26
hm 4 existent
km 48+222.43
hm 2 existent
km 48+124.00
hm 1 existent
DRUM PAMANT
ARABIL
JILAVA
DULAP ELECTRIC
P142
283100
583100
283200
583200
283300
583300
283400
583000
283500