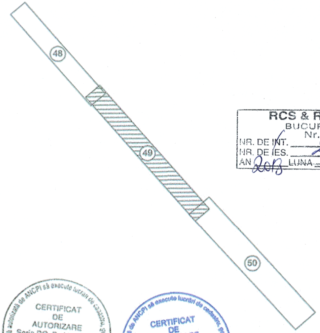
LEGENDA/LEGEND

☐ B1 95.218	BORNA RETEA DE INDESIRE/ BENCHMARK OF THE SECONDARY NETWORK	○78.658	PUNCT RADIAT/ RADIATED POINT
501 95.218	REPER DE NIVELMENT DE BAZA/ REFERENCE BASE LEVEL	○ 67+251.00	PICHET/ STAKE
501 95.218	REPER DE NIVELMENT TEHNIC/ REFERENCE TECHNICAL LEVEL	NR 7/8 1:9	SCHIMBATORE DE CALE/ SWITCH
km 3 3,5	BORNA KILOMETRICA-HECTOMETRICA/ KILOMETRIC-HECTOMETRIC BENCHMARK	NR 6 1:9 NR 8 1:9	
☐ Bz	BORNA ZONA CF/ BENCHMARK OF THE RAILWAY AREA		
☐ K	BORNA CABLU/ CABLE BENCHMARK	○	STALP DIN LEMN/ WOOD POLE
☐ Fo	BORNA FIBRA OPTICA/ OPTICAL FIBER BENCHMARK	◐	STALP DIN BETON/ CONCRETE POLE
☐ MF	MUFA CABLU/ CABLE BOX	●	STALP DIN METAL/ METAL POLE
☐	CUTIE CABLU/ CABLE BOX		LAMPADAR PE ALEI/ LAMPADAR ON SIDE STRET
○ C.cv.	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
○ g	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
JIL	JOANTA IZOLATA DE LEGATURA/ INSULATING JOINT		ZID SUS/ UP WALL
49/65	SCHIMBARE TIP SINA DE CALE FERATA/ RAIL TYPE CHANGE		ZID JOS/ DOWN WALL
trav beton/lemn	SCHIMBARE TIP DE TRAVERSE/ SLEEPER TYPE CHANGE		RIGOLA/ CREVICE
CED	DULAP CENTRALIZARE ELECTRODINAMICA/ SWITCH ELECTRODINAMIC CENTRALIZATION		RAU/ RIVER
	TRANSFORMATOR ELECTRIC PE STALP/ POLE ELECTRICAL TRANSFORMER		
	INDICATOR/ ROAD SIGN		



RCS & RDS S.A.
BUCUREȘTI
Nr. 5
NR. DE INT. 22 944
NR. DE IES.
AN 2018 LUNA 05 ZI 30

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

CENTRUL NATIONAL DE CARTOGRAFIE
Prezentul document este însoțit de procesul-verbal de recepție
nr. 3 din 30.09.2018
GOGARU - Coordonator comisie recepție C.N.C.

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

UNIUNEA EUROPEANĂ

PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

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/ SUBCONTRACTOR: S.C. VIOTOP SRL 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	
EXPERT CHEIE/ KEY EXPERT	Ing. G.UNGUREANU	
MP/PM	Ing. G.UNGUREANU	
DATA/DATE: 01.2018		SCARA/SCALE: 1:1000

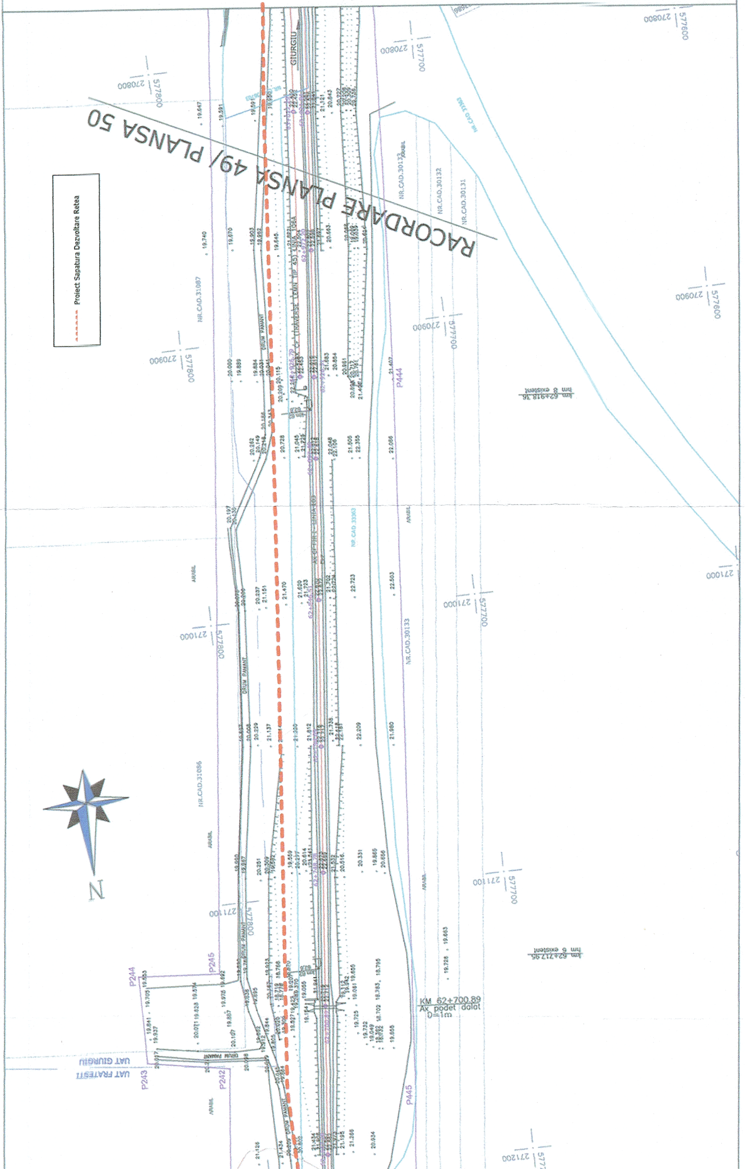
SPECIALITATE/ SPECIALITY: STUDIU TOPOGRAFIC
TOPOGRAPHICAL STUDY

DENUMIRE PLAN/ DRAWING TITLE: PLAN DE SITUATIE/LAYOUT PLAN
INTERVAL CF FRĂȚEȘTI-GIURGIU NORD/
FRATESTI-GIURGIU NORD SECTION

EXEMPLAR NR./ EXEMPLARY NO. 1

COD PLAN/CODIFICATION SYSTEM:

ST	207	Lot 2	31	ST	49	00


RACORDARE PLANSA 49/ PLANSA 50
Proiect Sapatura Dezvoltare Retea
GIURGIU
N
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NR.CAD.31086
NR.CAD.30133
NR.CAD.30132
NR.CAD.30131
NR.CAD.33363
DRUM PAMANT
ARABIL
UAT GIURGIU
UAT FRATESTI
P242
P243
P244
P245
P444
P445
KM 62+700.89
Ax podet dalat
D=1m
km 62+918.16
hm 8 existent
km 62+717.95
hm 6 existent
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270900
271000
271100
271200
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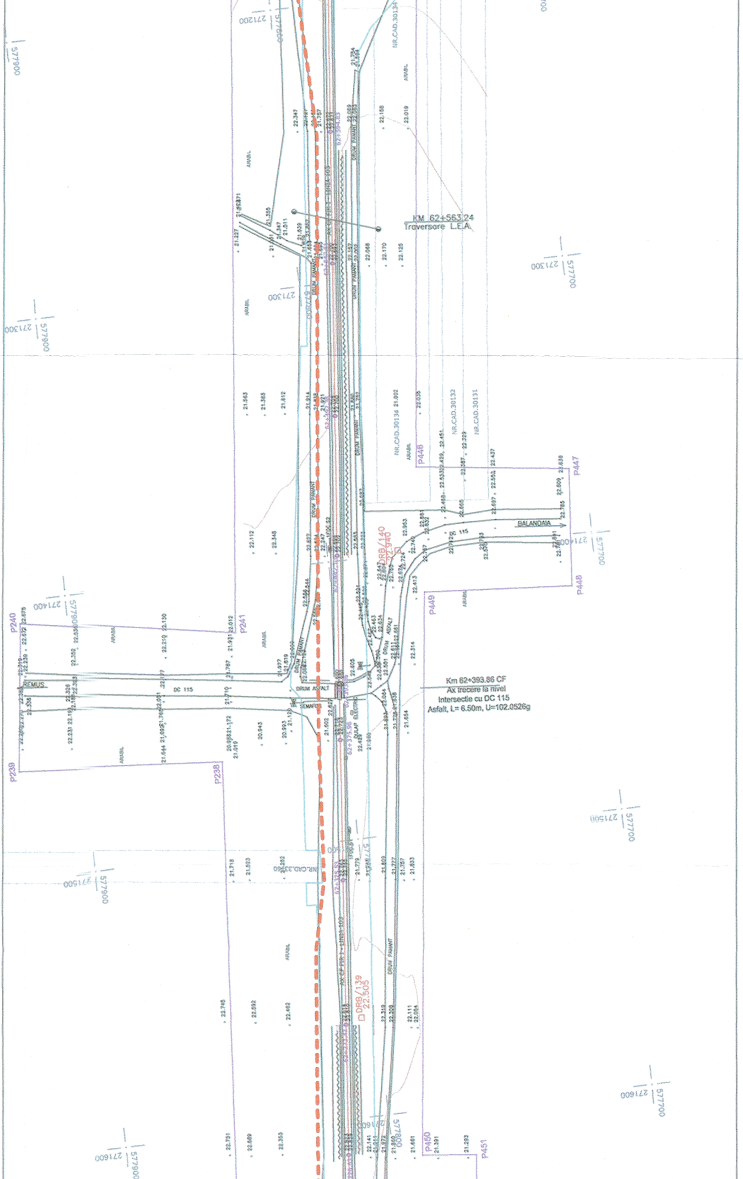
577700
577800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Traversare L.E.A.
Km 62+393.86 CF
Ax trecere la nivel
Intersectie cu DC 115
Asfalt, L= 6.50m, U=102.0526g
DRB/140
22.940
DRB/139
22.505
BALANDAIA
REMUS
DC 115
DRUM ASFALT
DRUM PAMANT
ARABIL
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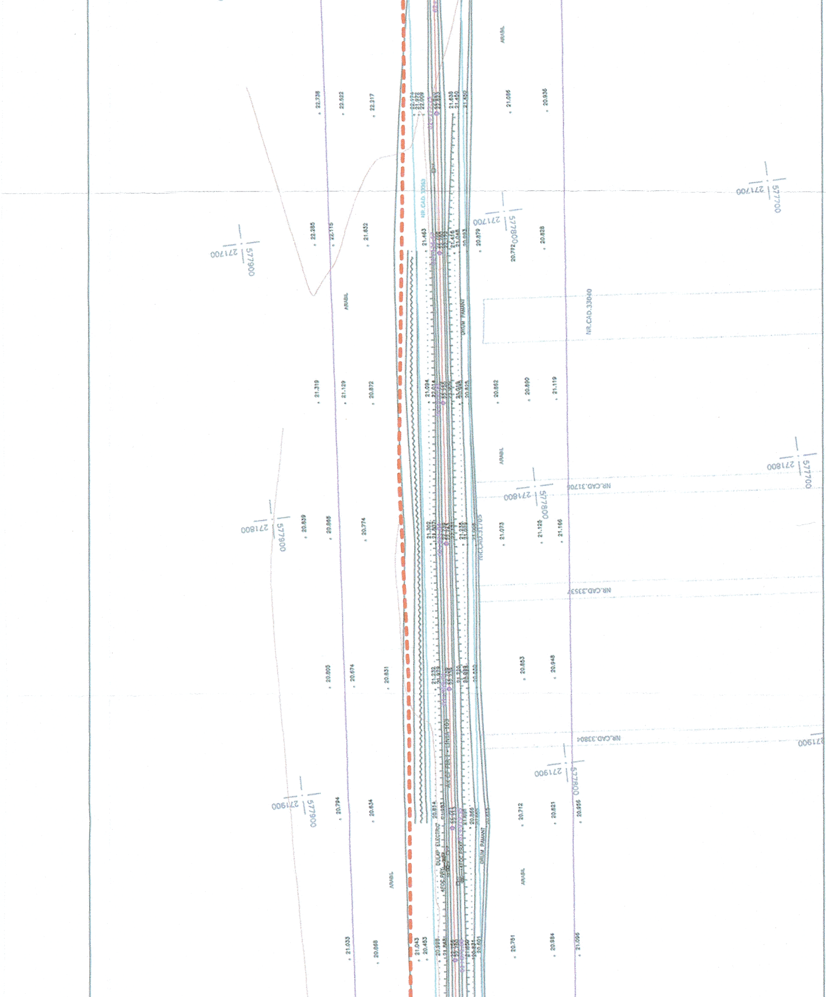
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DRUM PAMANT
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DULAP ELECTRIC
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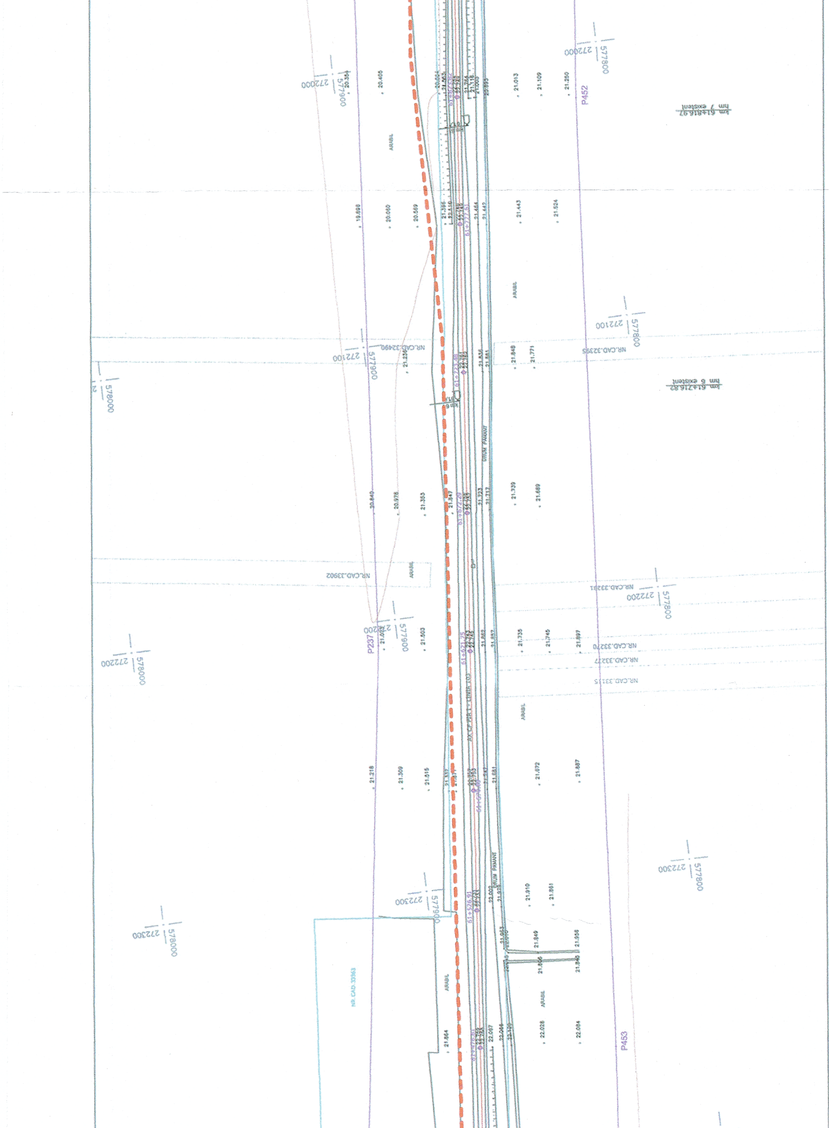
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hm 7 existent
km 61+716.82
hm 6 existent
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P237
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ARABIL
DRUM PAMANT
LINIA 103
61+721.73
61+672.69
61+621.73
61+526.91
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21.013
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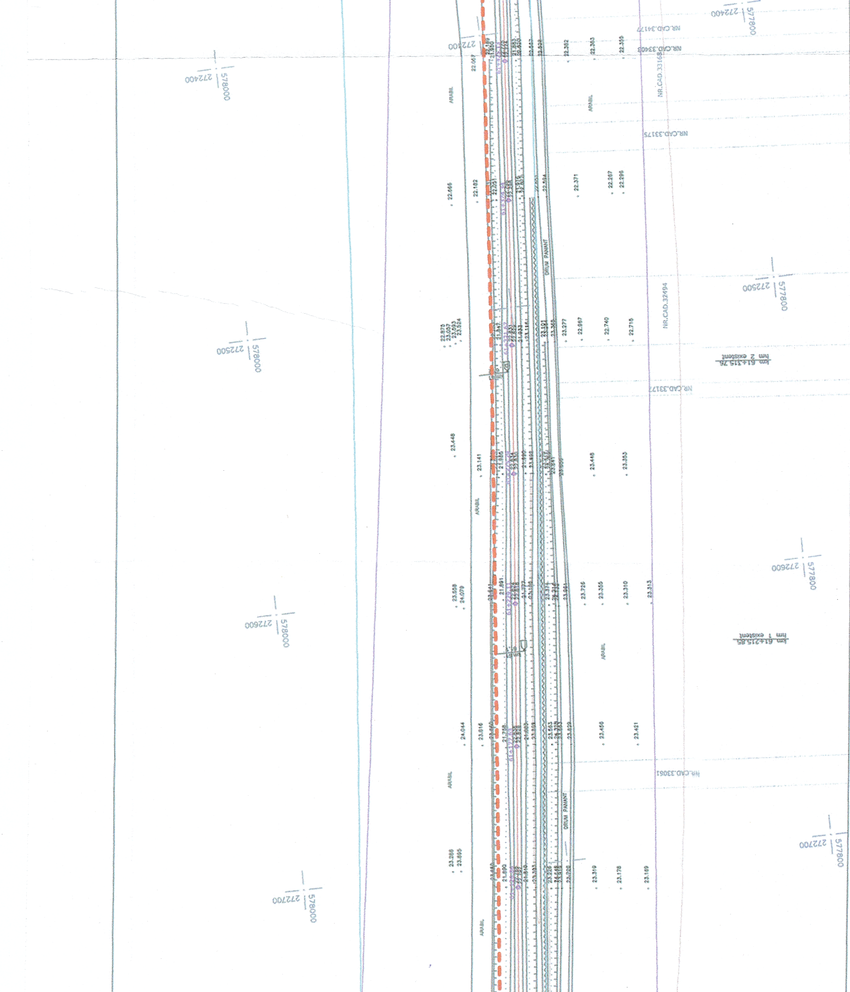
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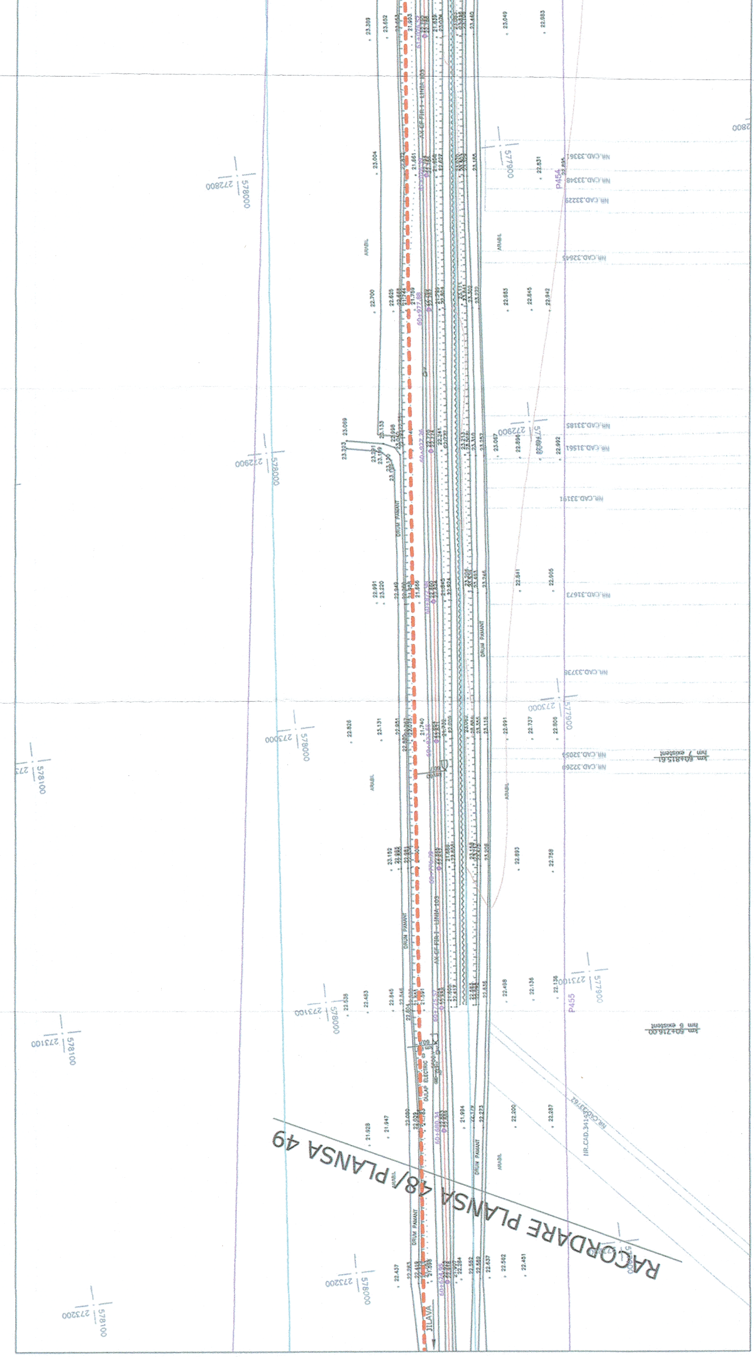
NR.CAD.33177
NR.CAD.33061
ARABIL
DRUM PANANT
km 61+115.76
hm 2 existent
km 61+215.85
hm 1 existent


RACORDARE PLANSA 48/ PLANSA 49
AX CF FIR 1 - LINIA 103
DRUM PAMANT
ARABIL
JILAVA
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P454
P455
km 7 existent
km 60+815.61
km 8 existent
km 60+216.00
272800
272900
273000
273100
273200
578000
578100
577900