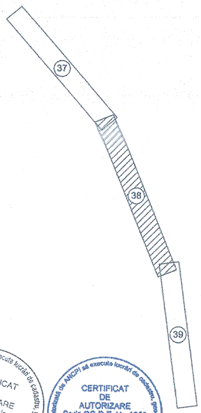
LEGENDA/LEGEND

□ B1 95.218	BORNA RETEA DE INDESIRE/ BENCHMARK OF THE SECONDARY NETWORK
501 95.218	REPER DE NIVELMENT DE BAZA/ REFERENCE BASE LEVEL
501 95.218	REPER DE NIVELMENT TEHNIC/ REFERENCE TECHNICAL LEVEL
km 3 3,5	BORNA KILOMETRICA-HECTOMETRICA/ KILOMETRIC-HECTOMETRIC BENCHMARK
Bz	BORNA ZONA CF/ BENCHMARK OF THE RAILWAY AREA
□ K	BORNA CABLU/ CABLE BENCHMARK
□ Fo	BORNA FIBRA OPTICA/ OPTICAL FIBER BENCHMARK
□ MF	MUFA CABLU/ CABLE BOX
□	CUTIE CABLU/ CABLE BOX
○ C.cv.	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
○g	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
JIL	JOANTA IZOLATA DE LEGATURA/ INSULATING JOINT
49/65	SCHIMBARE TIP SINA DE CALE FERATA/ RAIL TYPE CHANGE
trav beton/lemn	SCHIMBARE TIP DE TRAVERSE/ SLEEPER TYPE CHANGE
CED □	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 NR 6 TIP49 1:9 NR 6 TIP49 1:9	SCHIMBATORE DE CALE/ SWITCH
○	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.

CERTIFICAT DE AUTORIZARE Seria RO-B-F, Nr. 1660 Maria Gina UNGUREANU

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

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

UNIUNEA EUROPEANA

PROIECT FINANŢAT DE UNIUNEA EUROPEANĂ
EUROPEAN UNION FINANCED PROJECT

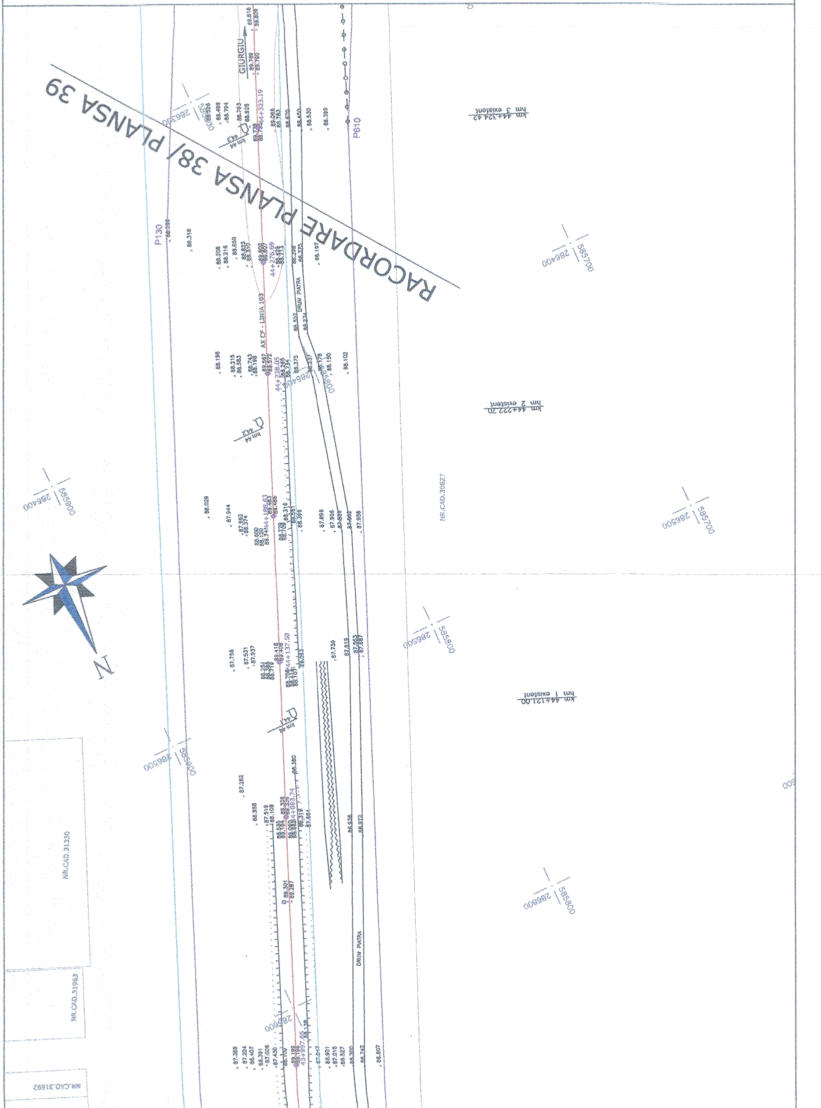
GUVERNUL ROMÂNIEI
GOVERNMENT OF ROMANIA

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	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 MIHAI BRAVU-BANEASA GIURGIU/ BANEASA GIURGIU-MIHAI BRAVU 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 23 ST 38 00


RACORDARE PLANSA 38/ PLANSA 39
GIURGIU
AX CF - LINIA 103
DRUM PIATRA
DRUM PIATRA
P130
P610
N
NR.CAD.30627
NR.CAD.31330
NR.CAD.31963
NR.CAD.31692
km 44+324.42
hm 3 existent
km 44+222.70
hm 2 existent
km 44+121.00
hm 1 existent
44+323.19
44+276.69
44+238.05
44+188.63
44+137.50
44+083.74
43+997.65
km 44 443
km 44 442
km 44 441
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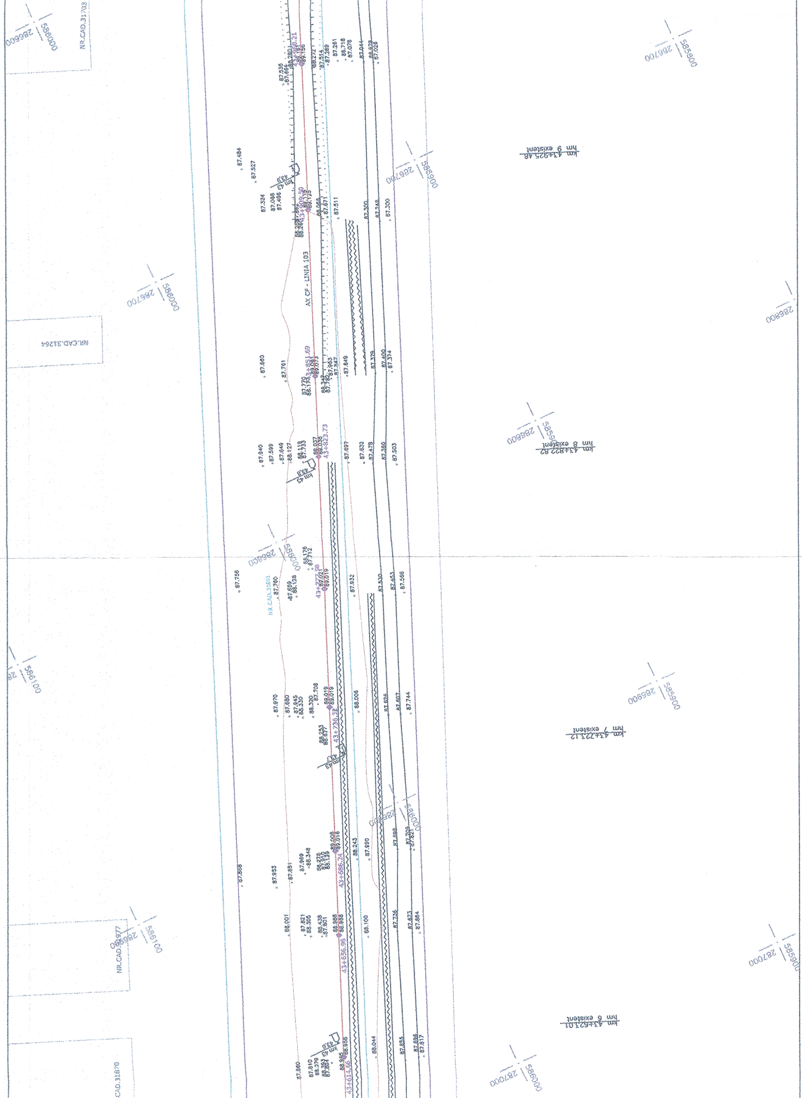
286400
286500
286600
585600
585700
585800


NR.CAD.31703
NR.CAD.31264
NR.CAD.31651
NR.CAD.31677
CAD.31670
AX CF - LINIA 103
km 43+925.48
hm 9 existent
km 43+822.82
hm 8 existent
km 43+723.12
hm 7 existent
km 43+623.01
hm 6 existent
43+950.21
43+909.50
43+851.69
43+823.73
43+772.50
43+736.38
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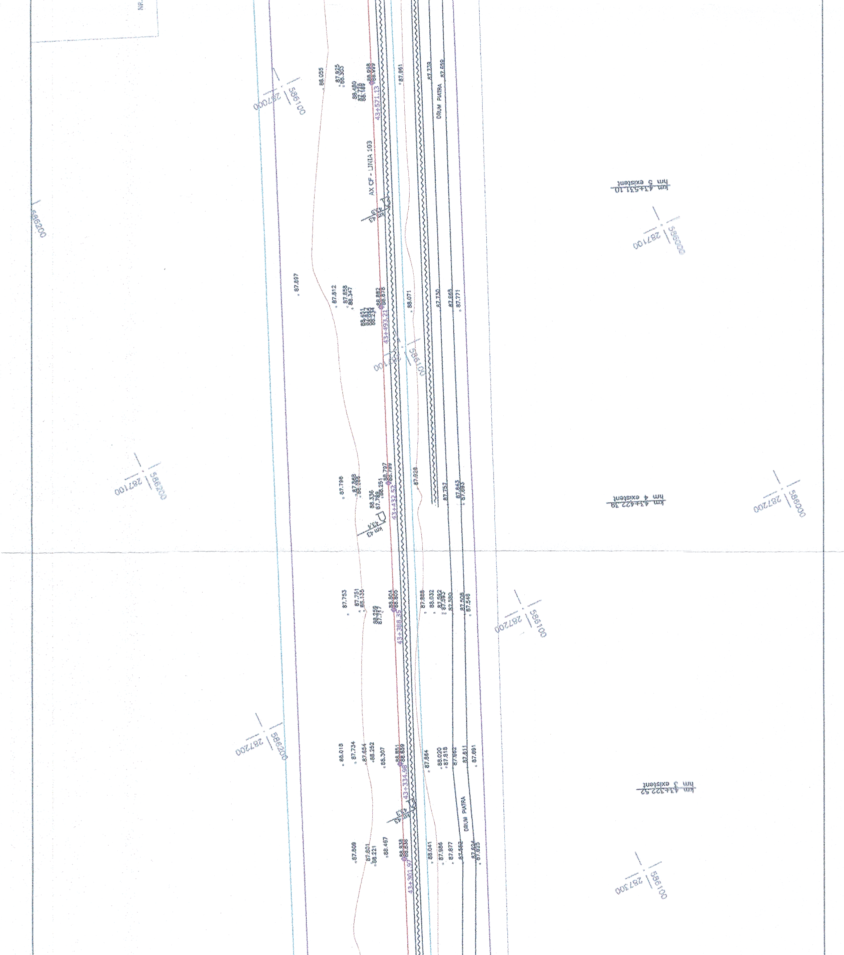
586100


AX CF - LINIA 103
DRUM PIATRA
43+571,13
43+493,21
43+432,52
43+388,35
43+334,96
43+301,97
km 43+531,10 hm 5 existent
km 43+422,39 hm 4 existent
km 43+322,62 hm 3 existent
km 43
586200
586100
586000
287000
287100
287200
287300
88.055
87.925
88.303
88.450
87.776
88.169
87.981
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87.859
88.347
88.892
88.878
88.071
87.730
87.665
87.771
87.796
87.928
87.757
87.843
87.753
87.751
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87.858
88.032
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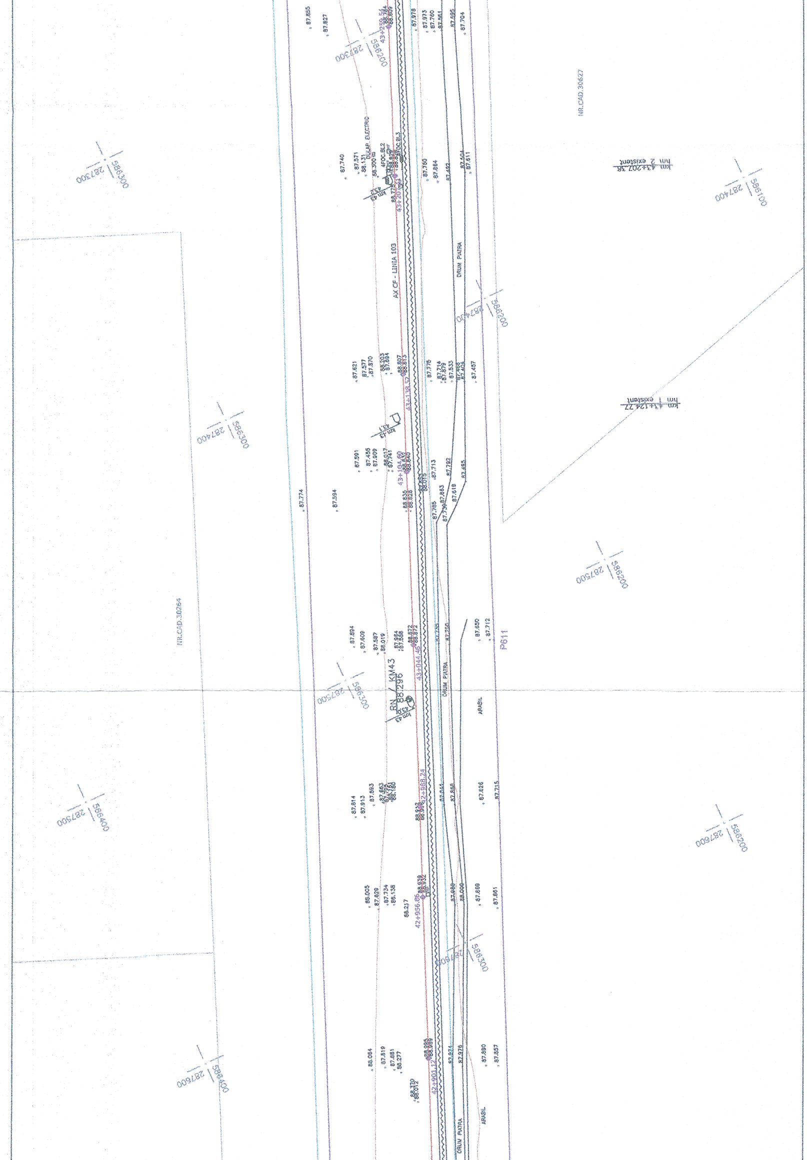
87.552


AX CF - LINIA 103
DRUM PIATRA
ARABIL
NR.CAD.30264
NR.CAD.30627
P611
RN / KM43
88.296
km 43
km 43.1
km 43.2
km 2 existent
km 43+207.38
km 43+124.77 existent
43+259.52
43+207.49
43+131.52
43+104.69
43+044.46
42+988.24
42+956.86
42+901.12
STALP ELECTRIC
4FOC BL2
3FOC BL3
287300
287400
287500
287600
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586200
586300
586400
586500
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88.035
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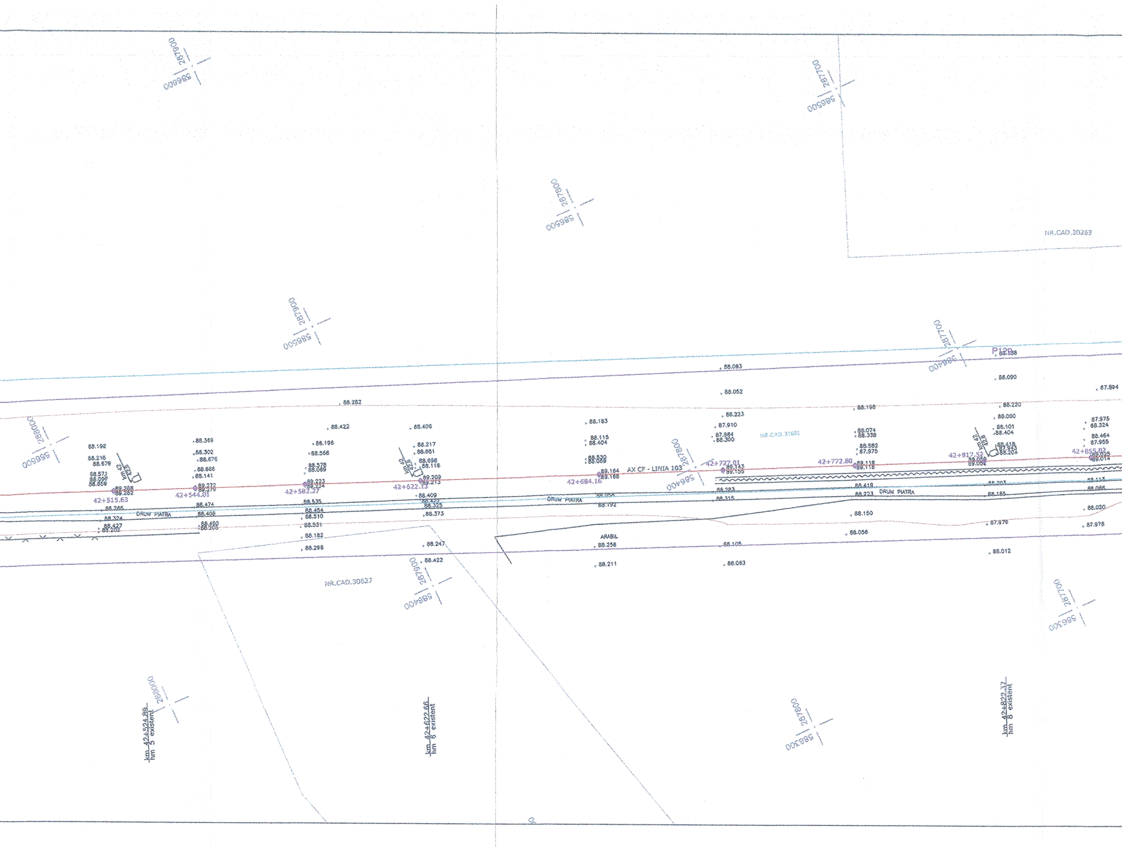
AX CF - LINIA 103
DRUM PIATRA
ARABIL
NR.CAD.30263
NR.CAD.31651
NR.CAD.30627
P120
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42+544.01
42+582.27
42+622.17
42+684.16
42+727.01
42+772.80
42+817.52
42+855.02
km 42+524.89
hm 5 existent
km 42+622.66
hm 6 existent
km 42+822.17
hm 8 existent
km 42
km 42
km 42
287700
287800
287900
288000
586300
586400
586500
586600
88.192
88.216
88.679
88.571
88.097
88.659
89.288
89.282
88.265
88.324
88.427
88.202
88.369
88.302
88.676
88.686
88.141
89.272
89.279
88.474
88.408
88.460
88.203
88.282
88.422
88.196
88.568
88.578
88.069
89.223
89.234
88.535
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88.551
88.182
88.298
88.406
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88.651
88.698
88.116
89.209
89.213
88.409
88.427
88.325
88.373
88.247
88.422
88.183
88.115
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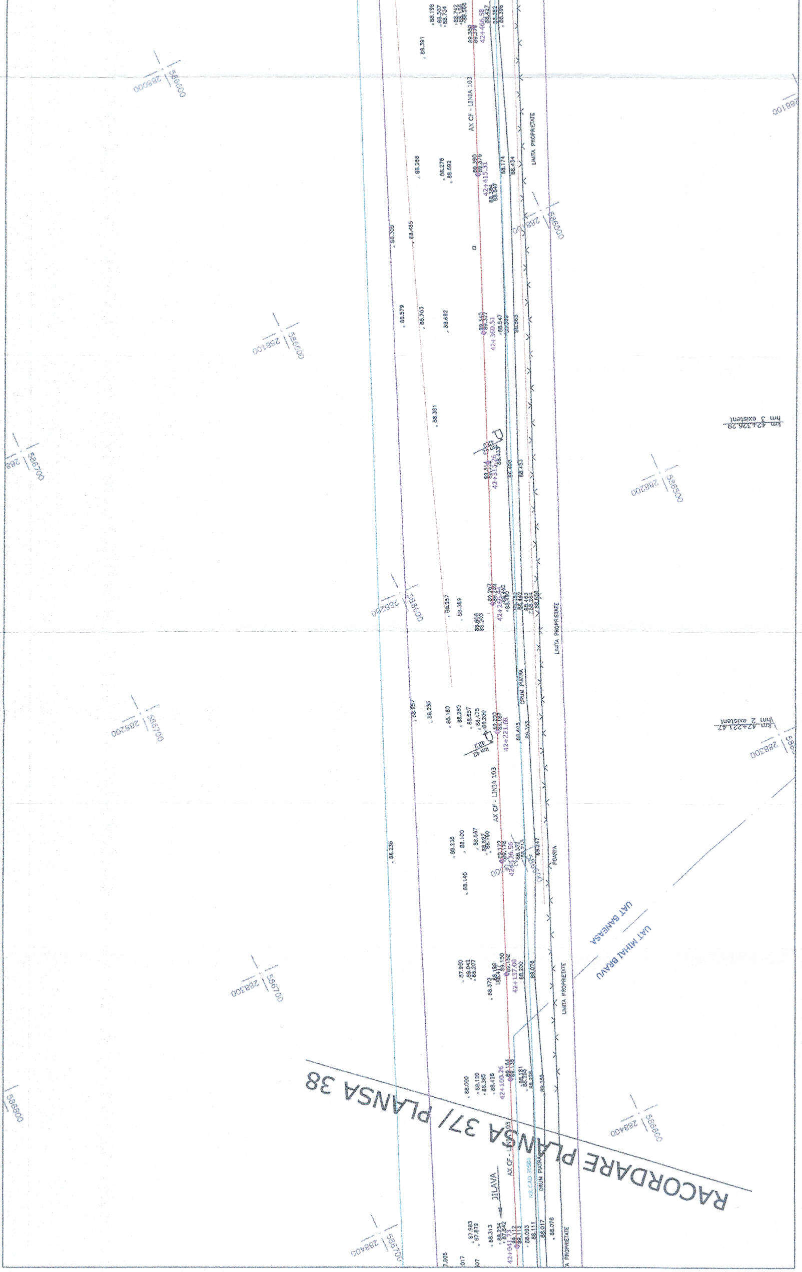
RACORDARE PLANSA 37/ PLANSA 38
AX CF - LINIA 103
LIMITA PROPRIETATE
DRUM PIATRA
POARTA
UAT BANEASA
UAT MIHAI BRAVU
JILAVA
NR.CAD 30584
km 3 existent 42+326.29
km 2 existent 42+221.47
km 42
42+466.58
42+415.31
42+360.51
42+313.26
42+269.12
42+221.68
42+176.56
42+137.00
42+100.26
42+041.73
586600
288000
288100
586500
288200
586700
288300
586800
288400
586900