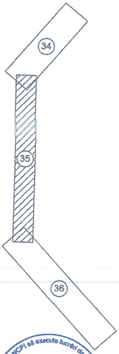
# LEGENDA/LEGEND

| | |
|---|---|
| B1<br>95.218 | BORNA RETEA DE INDESIRE/<br>BENCHMARK OF THE SECONDARY NETWORK |
| 501<br>95.218 | REPER DE NIVELMENT DE BAZA/<br>REFERENCE BASE LEVEL |
| 501<br>95.218 | REPER DE NIVELMENT TEHNIC/<br>REFERENCE TECHNICAL LEVEL |
| km 3<br>3,5 | BORNA KILOMETRICA-HECTOMETRICA/<br>KILOMETRIC-HECTOMETRIC BENCHMARK |
| Bz | BORNA ZONA CF/<br>BENCHMARK OF THE RAILWAY AREA |
| □K | BORNA CABLU/<br>CABLE BENCHMARK |
| □ Fo | BORNA FIBRA OPTICA/<br>OPTICAL FIBER BENCHMARK |
| □MF | MUFA CABLU/<br>CABLE BOX |
| □ | CUTIE CABLU/<br>CABLE BOX |
| ○ C.cv. | COLOANA CONVORBIRE/<br>CONVERSATION COLUMN |
| | MARCA DE SIGURANTA/<br>SAFETY MARK |
| | SEMNAL LUMINOS PE STALP/<br>LIGHT SIGNAL ON POLE |
| | SEMNAL LUMINOS PITIC/<br>SMALL TRAFFIC LIGHTER |
| | AVERTIZOR PENTRU TRECERE LA NIVEL/<br>WARNING DEVICE FOR LEVEL CROSSING |
| | BARIERA/<br>RAILWAY GATE |
| | CRUCE/<br>CROSS |
| | CUTIE DIN FONTA GAZE/<br>GAS FONT BOX |
| | CAMIN DE VIZITARE TELEFON/<br>PHONE MANHOLE |
| © | CAMIN DE VIZITARE CANAL/<br>SEWERAGE MANHOLE |
| | GURA DE AERISIRE CANALIZARE/<br>MOUTH VENTING SEWAGE |
| Ⓐ | CAMIN DE VIZITARE APA/<br>WATER MANHOLE |
| ○g | MARTOR GAZE/<br>GAS TELLTALE |
| | PANOU ELECTRIC/<br>ELECTRIC PANEL |
| | HIDRANT/<br>HYDRANT |
| | GEIGER/<br>GEIGER |
| ⊙ | FANTANA/<br>FOUNTAIN |
| | CISMEA/<br>DRINKING FOUNTAIN |
| | POM/<br>TREE |
| ○ | STALP POARTA/<br>GATE POLE |
| | OPRITOR CF/<br>CATCHER OF RAILWAY LINE |
| JIL | JOANTA IZOLATA DE LEGATURA/<br>INSULATING JOINT |
| 49/65 | SCHIMBARE TIP SINA DE CALE FERATA/<br>RAIL TYPE CHANGE |
| trav beton/lemn | SCHIMBARE TIP DE TRAVERSE/<br>SLEEPER TYPE CHANGE |
| CED | DULAP CENTRALIZARE ELECTRODINAMICA/<br>SWITCH ELECTRODINAMIC CENTRALIZATION |
| | TRANSFORMATOR ELECTRIC PE STALP/<br>POLE ELECTRICAL TRANSFORMER |
| | INDICATOR/<br>ROAD SIGN |

| | |
|---|---|
| ○78.658 | PUNCT RADIAT/<br>RADIATED POINT |
| ○ 67+251.00 | PICHET/<br>STAKE |
| NR 1/8 TP49 1:9<br>NR 6 TP49 1:9 | SCHIMBATORE DE CALE/<br>SWITCH |
| ○ | STALP DIN LEMN/<br>WOOD POLE |
| ◐ | STALP DIN BETON/<br>CONCRETE POLE |
| ● | STALP DIN METAL/<br>METAL POLE |
| | LAMPADAR PE ALEI/<br>LAMPADAR ON SIDE STRET |
| □ | STALP INALTA TENSIUNE/<br>POWER-LINE TOWER |
| ◐ SE 120 | STALP ELECTRIC DIN BETON/<br>CONCRETE ELECTRIC POLE |
| ■ SE 120 | STALP ELECTRIC DIN METAL/<br>METALLIC ELECTRIC POLE |
| | STALP DIFUZOR/<br>LOUD-SPEAKER POLE |
| | SUSTINERE LINIE DE CONTACT/<br>CONTACT WIRE |
| | ANCORA SUSTINERE STALP/<br>POLE ANCHOR |
| | LIMITA ZONA CFR INTABULATA/<br>LIMITED CFR AREA INCLUDED |
| | LIMITA UAT/<br>UAT LIMIT |
| | SUPRAFATA NECESARA PROIECTULUI/<br>NECESSARY PROJECT SURFACE |
| | CADSTRE VECINE/<br>NEIGHBORHOOD |
| | AX CF/<br>RAILWAY LINE AXE |
| | TALUZ SUS/<br>SOIL SLOPE UP |
| | TALUZ JOS/<br>SOIL SLOPE DOWN |
| | SANT DE SCURGERE A APELOR SUS/<br>DRAIN DITCH UP |
| | SANT DE SCURGERE A APELOR JOS/<br>DRAIN DITCH DOWN |
| | GARD DIN BETON/<br>CONCRETE FENCE |
| | GARD DIN LEMN/<br>WOOD FENCE |
| | GARD DIN METAL/<br>METAL FENCE |
| | GARD DIN PLASA/<br>CHAIN-LINK FENCE |
| ×-×-×-×-× | GARD DIN SARMA/<br>BARBED WIRE FENCE |
| | GARD VIU-LIMITA PADURE/<br>GREEN FENCE-FOREST LIMIT |
| | ZID SUS/<br>UP WALL |
| | ZID JOS/<br>DOWN WALL |
| | RIGOLA/<br>CREVICE |
| | RAU/<br>RIVER |



Seria RO-B-J Nr. 0684
S.C. VIO - TOP S.R.L.

Seria RO-B-F, Nr 1650
Maria Gina UNGUREANU

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 /data 30.08.2018
Margareta 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 |
|---|---|---|
| PROIECTANT/ DESIGNER | Ing. R. BURCEA | |
| EXPERT CHEIE/ KEY EXPERT | Ing. G.UNGUREANU | |
| MP/PM | Ing. G.UNGUREANU | |

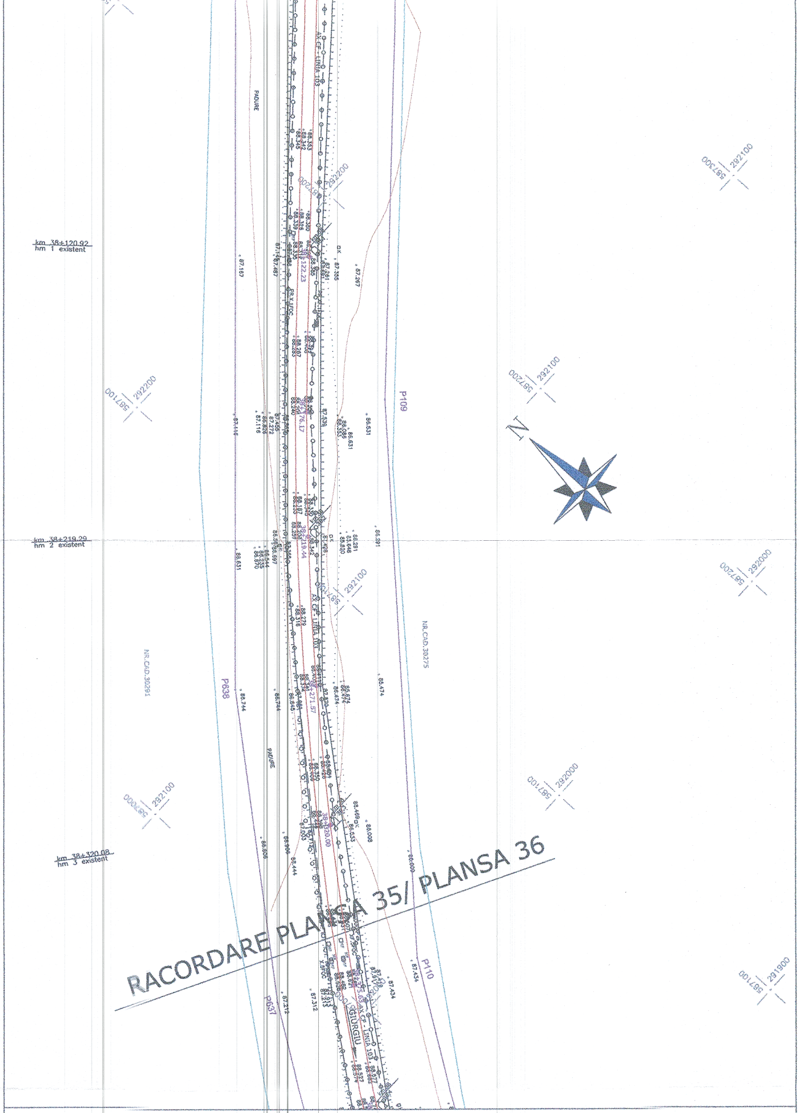
SPECIALITATE/ SPECIALITY: STUDIU TOPOGRAFIC
TOPOGRAPHICAL STUDY

DENUMIRE PLAN/ DRAWING TITLE: PLAN DE SITUATIE/ LAYOUT PLAN
INTERVAL CF VLAD TEPES-MIHAI BRAVU/
VLAD TEPES-MIHAI BRAVU SECTION

| DATA/DATE: | SCARA/SCALE: | EXEMPLAR NR./ EXEMPLARY NO. |
|---|---|---|
| 01.2018 | 1:1000 | 1 |

COD PLAN/CODIFICATION SYSTEM:

| | | | | | | |
|---|---|---|---|---|---|---|
| ST | 207 | Lot 2 | 21 | ST | 35 | 00 |


RACORDARE PLANSA 35/ PLANSA 36
km 38+120.92
hm 1 existent
km 38+219.29
hm 2 existent
km 38+320.08
hm 3 existent
AX CF - LINIA 103
AX CF - LINIA 103
AX CF - LINIA 103 - GIURGIU
PADURE
PADURE
NR.CAD.30275
NR.CAD.30291
P109
P110
P637
P638
N
292100 587300
292200 587200
292100 587200
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292100 587000
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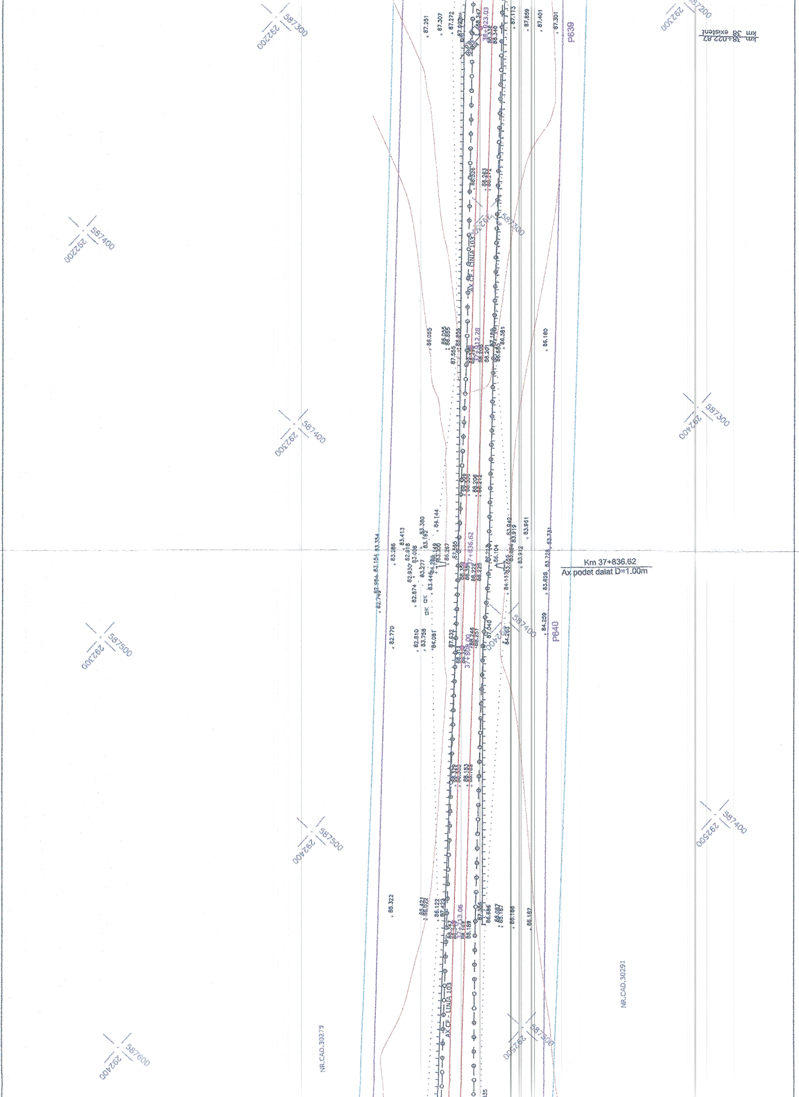
219.44
271.57
320.00


Km 37+836.62
Ax podet dalat D=1.00m
km 38+022.87 existent
P639
P640
AX CF - LINIA 103
NR.CAD.30275
NR.CAD.30291
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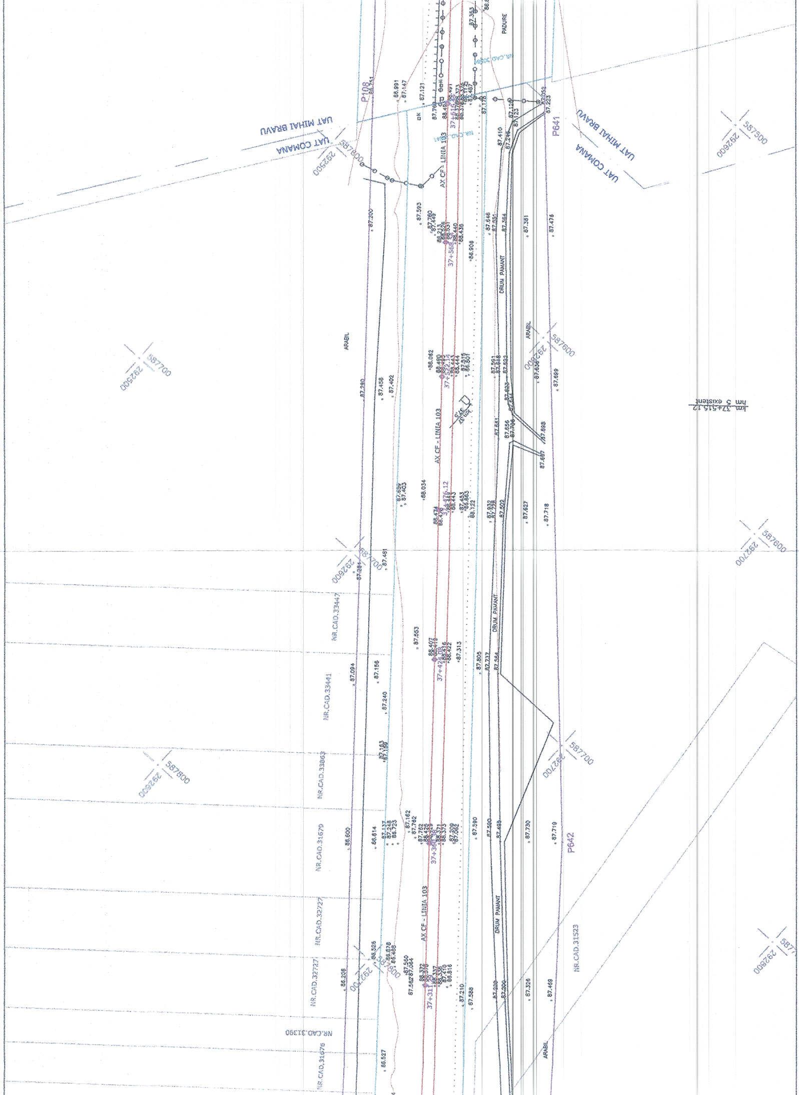
587300
587400
587500
587600
292200
292300
292400
292500


UAT MIHAI BRAVU
UAT COMANA
P108
P641
P642
PADURE
ARABIL
DRUM PAMANT
AX CF - LINIA 103
km 37+515.12
hm 5 existent
37+568
37+476.12
37+421
37+311
NR.CAD.33447
NR.CAD.33441
NR.CAD.33863
NR.CAD.31679
NR.CAD.32727
NR.CAD.31590
NR.CAD.33676
NR.CAD.31523
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587600
587700
587800
292500
292600
292700
292800
87.200
87.290
87.094
86.600
86.206
87.410
87.384
87.381
87.476
87.699
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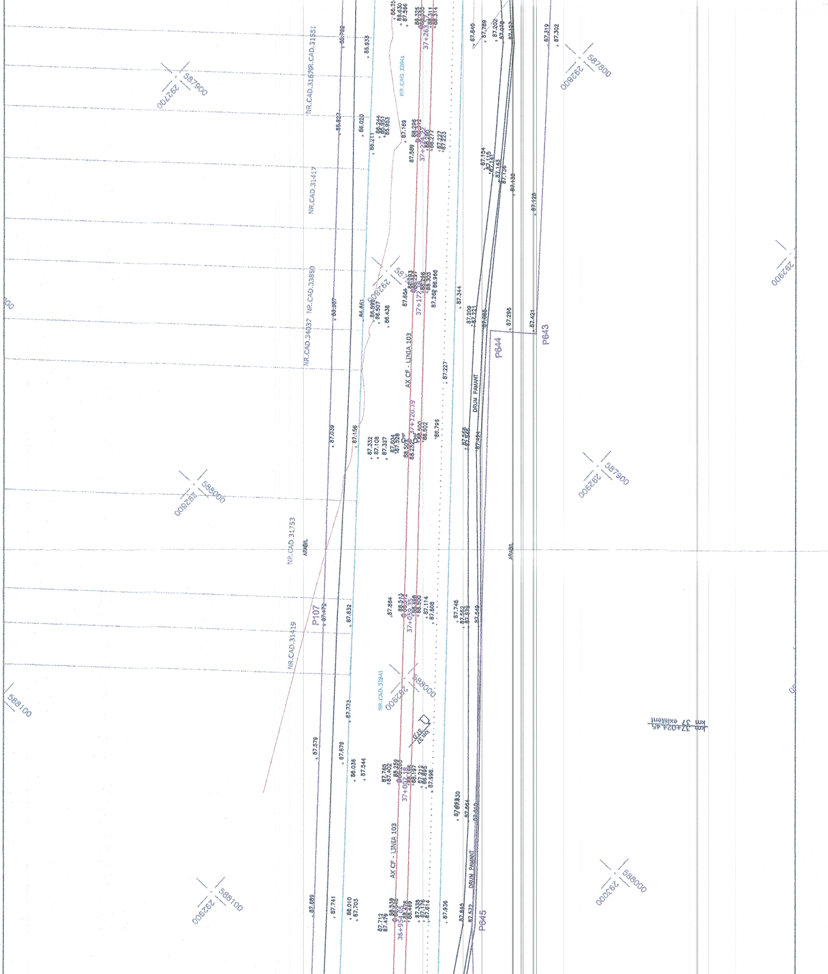
87.588


NR.CAD.31551
NR.CAD.31647
NR.CAD.32041
NR.CAD.31412
NR.CAD.33850
NR.CAD.34037
AX CF - LINIA 103
DRUM PAMANT
P644
P643
NR.CAD.31753
ARABIL
ARABIL
P107
NR.CAD.31419
NR.CAD.37841
km 37+024.45 existent
AX CF - LINIA 103
DRUM PAMANT
P645
37+262
37+217
37+177
37+120.19
37+059.35
36+954.05
292700 587900
292800 587800
292900
292800 588000
292900 587900
292900 588000
292900 588100
293000 588000
588100
87.319
87.302
87.640
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87.202
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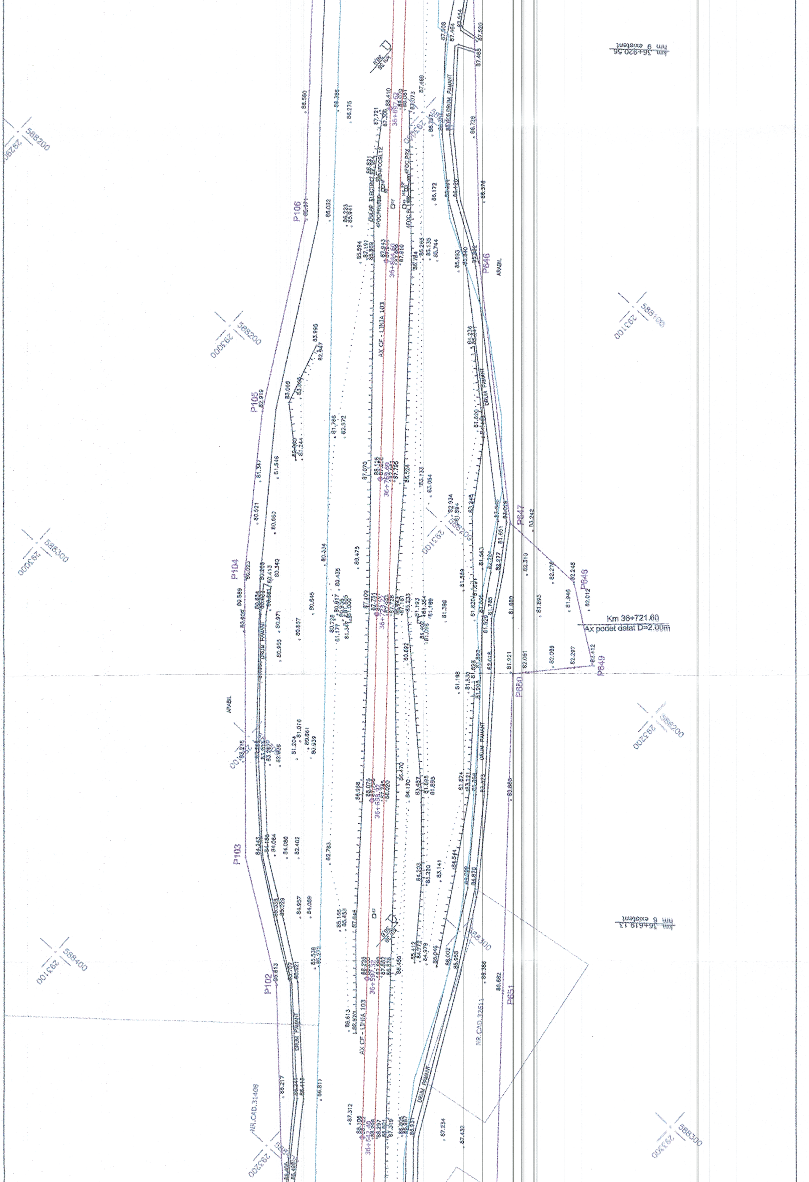
km 36+920.56
hm 9 existent
km 36+619.13
hm 6 existent
Km 36+721.60
Ax podet dalat D=2.00m
AX CF - LINIA 103
DRUM PAMANT
ARABIL
NR.CAD.31406
NR.CAD.32511
P102
P103
P104
P105
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P646
P647
P648
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P651
36+542.40
36+597.33
36+658.92
36+723.72
36+769.69
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36+897.62
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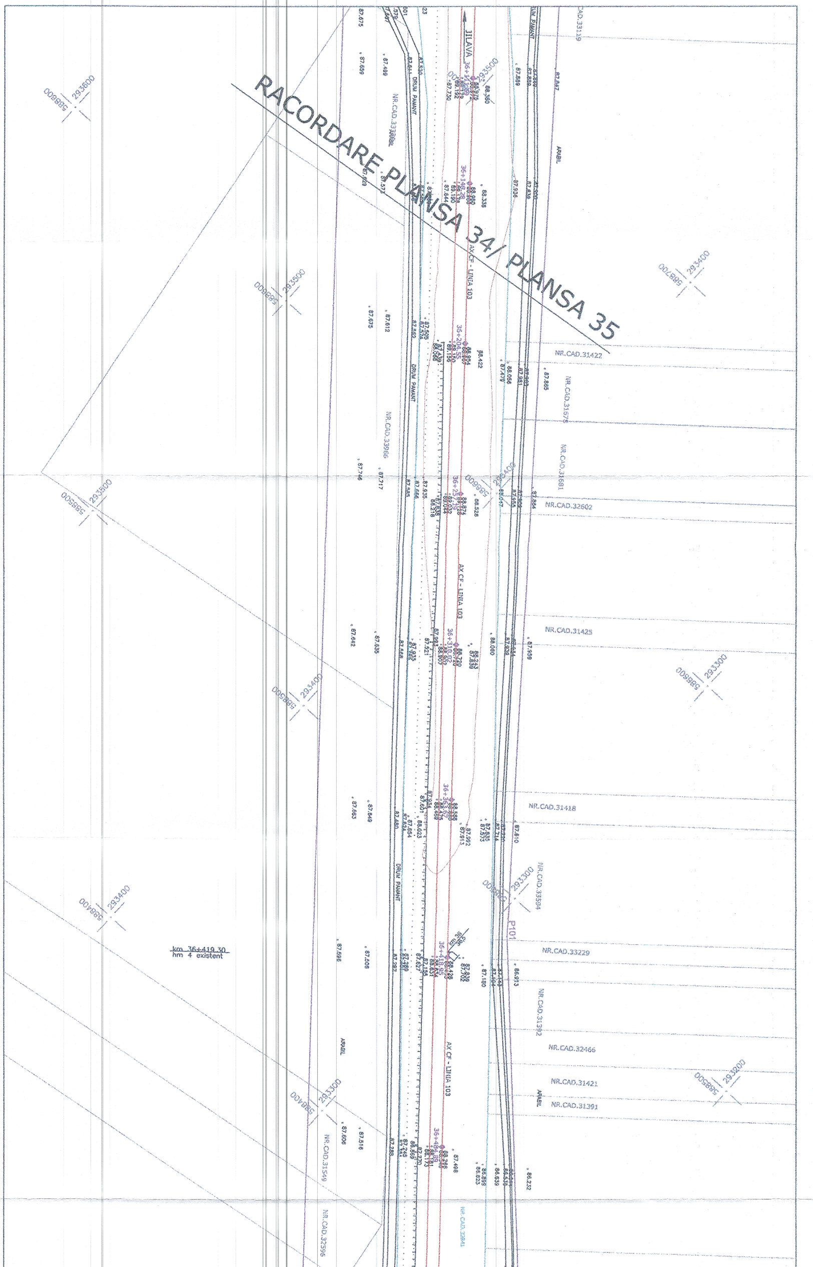
RACORDARE PLANSA 34/ PLANSA 35
km 36+419.30
hm 4 existent
AX CF - LINIA 103
JILAVA
P101
DRUM PAMANT
ARABIL
NR.CAD.31422
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NR.CAD.31681
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NR.CAD.32466
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NR.CAD.33966
NR.CAD.31549
NR.CAD.32596
NR.CAD.32841
CAD.33119
36+204.55
36+310.02
36+363.67
36+418.95
36+484.89
km 36
293600
588600
293500
588500
293400
588400
293300
588700
293200
87.675
87.659
87.499
87.612
87.746
87.717
87.642
87.635
87.663
87.649
87.596
87.508
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88.060
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88.350