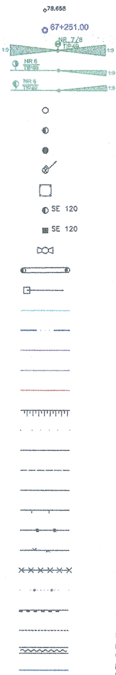
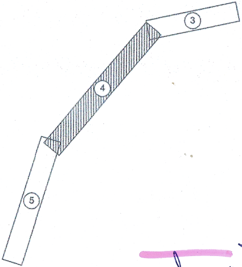
## LEGENDA/LEGEND

- 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
67+251.00
NR 7/8
TIP48
1:9
NR 6
TIP48
NR 6
TIP48
SE 120
SE 120

- PUNCT RADIAT/ RADIATED POINT
- PICHET/ STAKE
- 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
- STALP ELECTRIC DIN BETON/ CONCRETE ELECTRIC POLE
- 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



Traseu cablu
cf. EA/UES 2010 . / 0 [illegible]

CERTIFICAT DE AUTORIZARE
Seria RO-B-J Nr. 0684
S.C. VIOTOP S.R.L.

CERTIFICAT DE AUTORIZARE
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 30.03.2018
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: J40/4967/1999

| | 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 | |

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*

SPECIALITATE/ SPECIALITY:
**STUDIU TOPOGRAFIC**
**TOPOGRAPHICAL STUDY**

DENUMIRE PLAN/ DRAWING TITLE:
**PLAN DE SITUATIE/ LAYOUT PLAN**
**STATIA CF CHIAJNA/**
**CHIAJNA RAILWAY STATION**

EXEMPLAR NR/ EXEMPLARY NO. 1

COD PLAN/CODIFICATION SYSTEM:

| ST | 207 | Lot 2 | 04 | ST | 04 | 00 |
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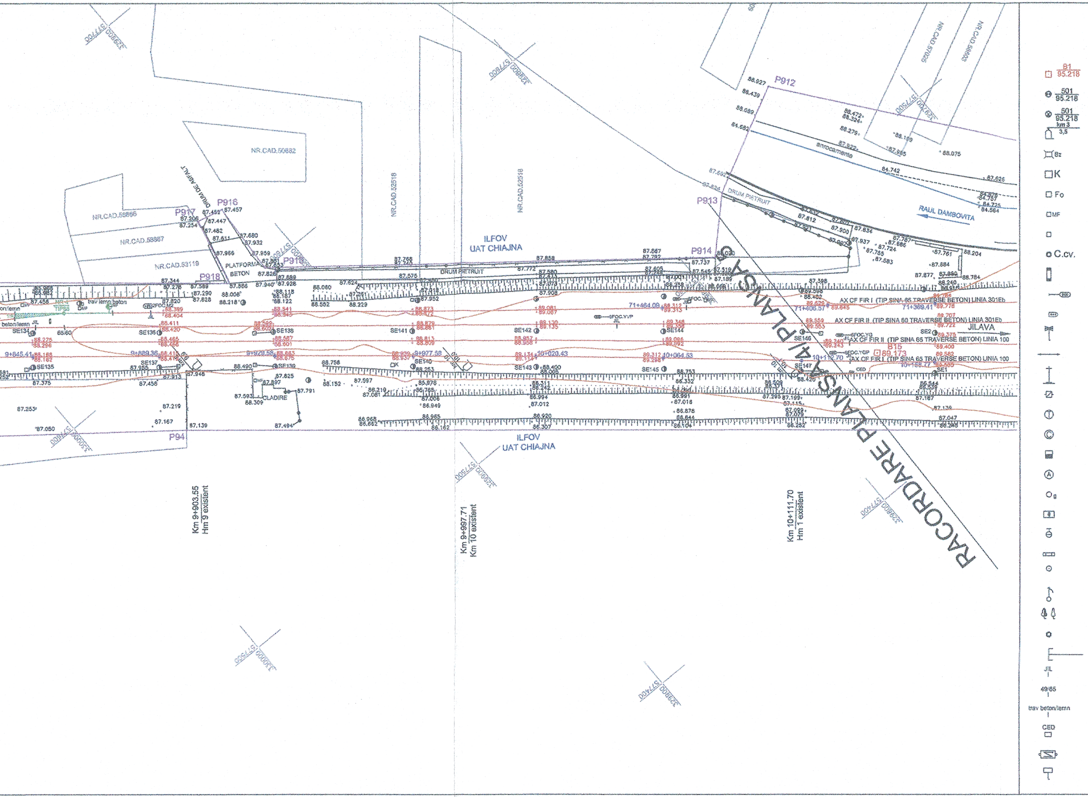
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AX CF FIR I (TIP SINA 65 TRAVERSE BETON) LINIA 301Eb
AX CF FIR II (TIP SINA 60 TRAVERSE BETON) LINIA 301Eb
AX CF FIR II (TIP SINA 65 TRAVERSE BETON) LINIA 100
AX CF FIR I (TIP SINA 65 TRAVERSE BETON) LINIA 100
JILAVA
RAUL DAMBOVITA
enrocamente
DRUM PIETRUIT
DRUM DE ASFALT
PLATFORMA BETON
CLADIRE
ILFOV
UAT CHIAJNA
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SE2
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SE137
SE138
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SE140
SE141
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SE143
SE144
SE145
SE146
SE147
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71+408.57
71+464.09
9+845.41
9+889.36
9+929.58
9+977.58
10+020.43
10+064.53
10+112.70
10+158.77
Km 9+903.55
Hm 9 existent
Km 9+997.71
Km 10 existent
Km 10+111.70
Hm 1 existent
B1
95.218
501
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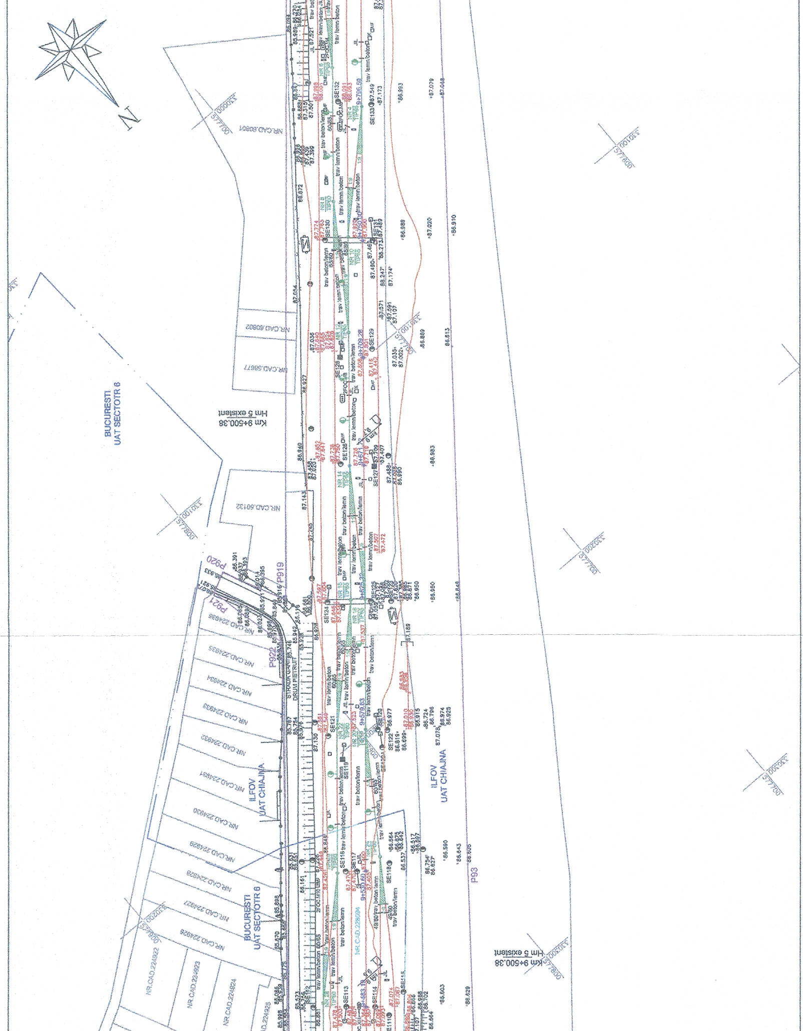
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Hm 5 existent
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DRUM PIETRUIT
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ILFOV
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BUCURESTI
UAT SECTOR 6
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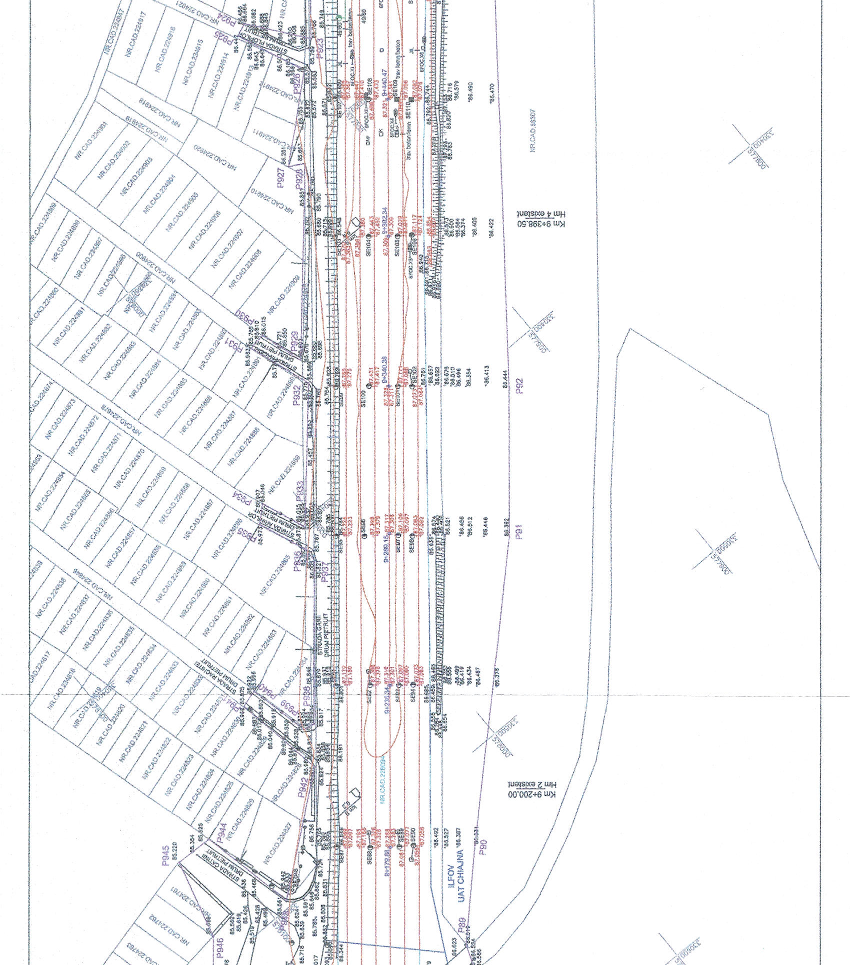
Hm 5 existent
trav beton/lemn
trav lemn/beton



Km 9+398,50
Hm 4 existent
Km 9+200,00
Hm 2 existent
ILFOV
UAT CHIAJNA
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STRADA FLORILOR
DRUM PIETRUIT
STRADA TRANDAFIRILOR
DRUM PIETRUIT
STRADA ARINILOR
DRUM PIETRUIT
STRADA GARII
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STRADA RACHITEI
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9+440,47
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9+226,54
9+179,88
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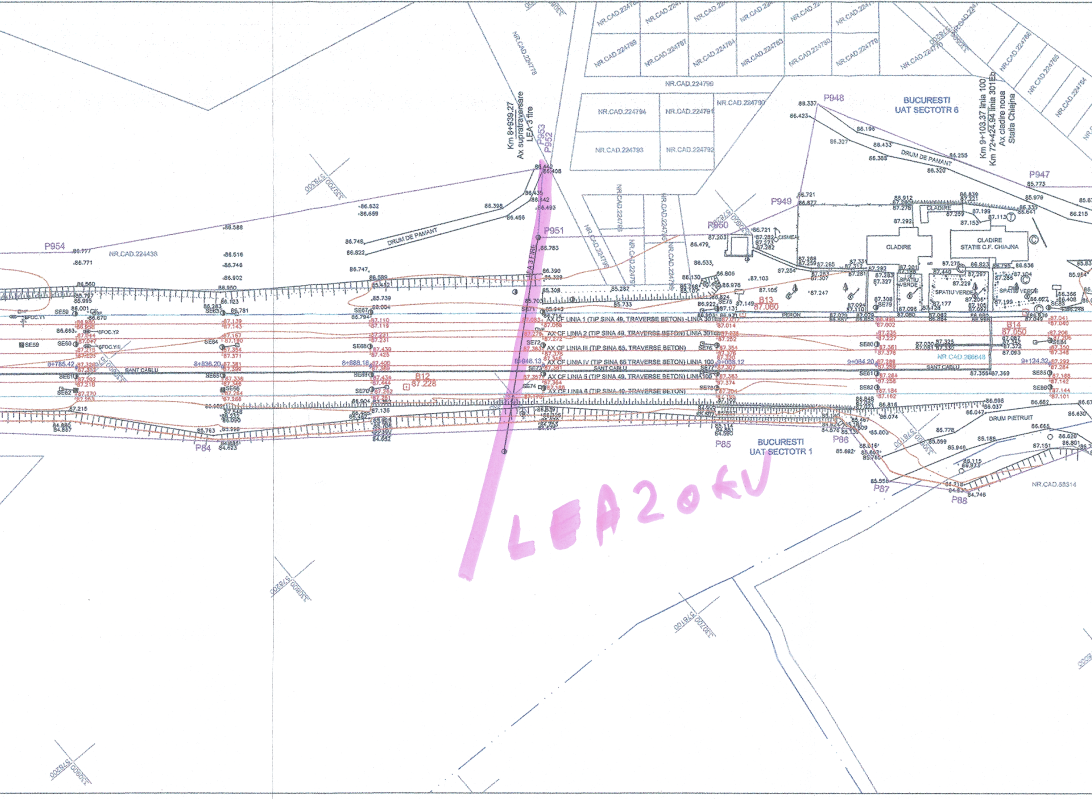
BUCURESTI UAT SECTOTR 6
BUCURESTI UAT SECTOTR 1
Km 9+103.37 linia 100
Km 72+424.94 linia 301Eb
Ax cladire noua
Statia Chiajna
Km 8+939.27
Ax supratraversare
LEA 3 fire
LEA 3 FIRE
P947
P948
P949
P950
P951
P952
P953
P954
P84
P85
P86
P87
P88
DRUM DE PAMANT
DRUM PIETRUIT
CLADIRE
CLADIRE STATIE C.F. CHIAJNA
SPATIU VERDE
CISMEA
PERON
SANT CABLU
AX CF LINIA 1 (TIP SINA 49, TRAVERSE BETON) LINIA 301Eb
AX CF LINIA 2 (TIP SINA 49, TRAVERSE BETON) LINIA 301Eb
AX CF LINIA III (TIP SINA 65, TRAVERSE BETON)
AX CF LINIA IV (TIP SINA 65 TRAVERSE BETON) LINIA 100
AX CF LINIA 5 (TIP SINA 49, TRAVERSE BETON) LINIA 100
AX CF LINIA 6 (TIP SINA 49, TRAVERSE BETON)
8+785.42
8+836.20
8+888.16
8+948.13
9+008.12
9+084.20
9+124.32
B12 87.228
B13 87.080
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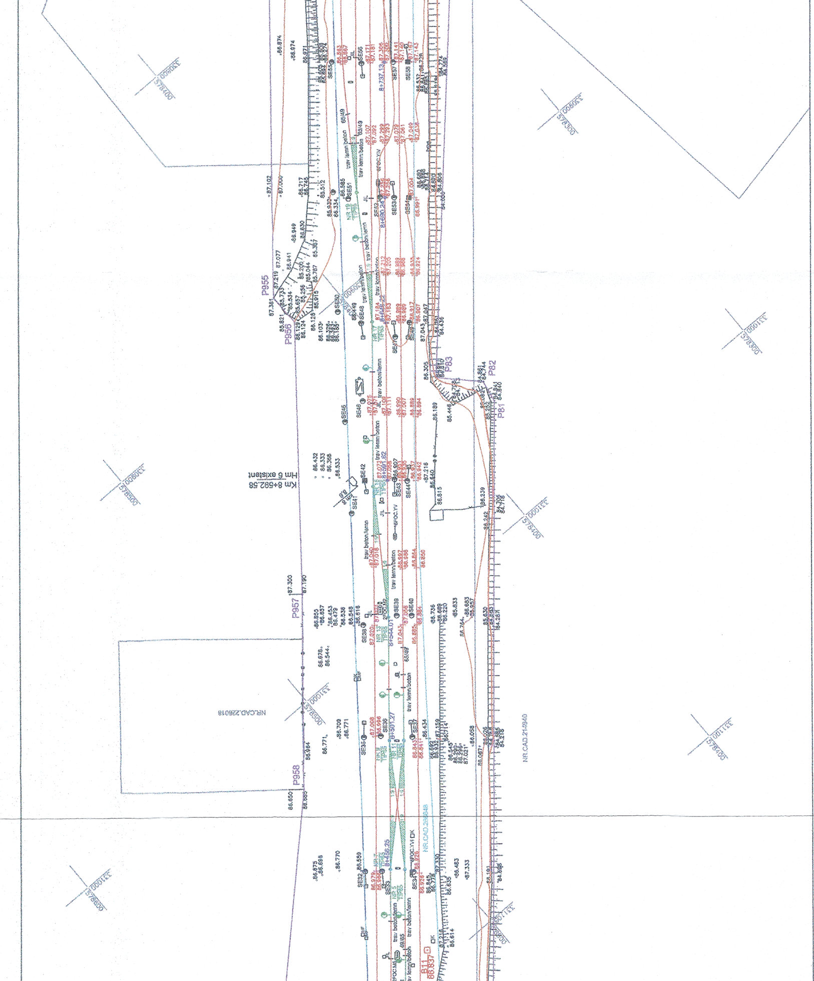

Km 8+592,58
Hm 6 existent
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P82
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trav beton/lemn
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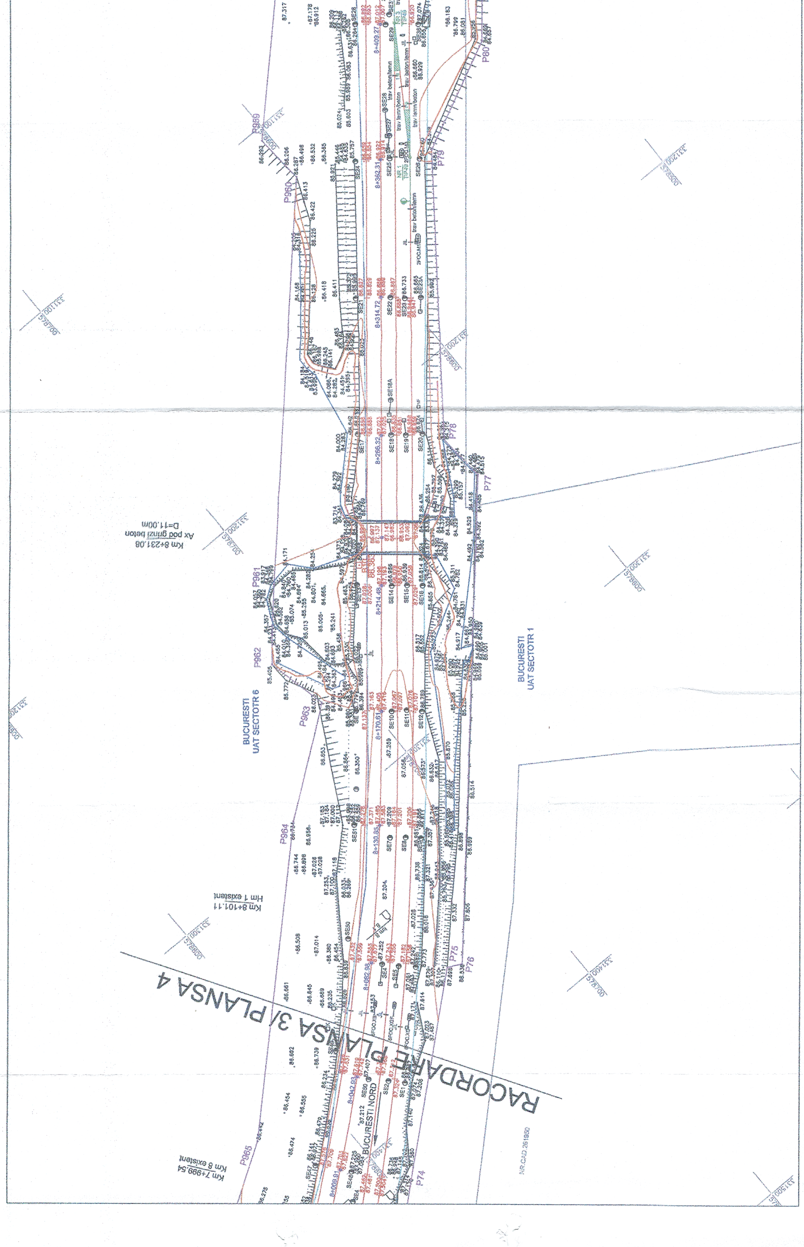
RACORDARE PLANSA 3/ PLANSA 4
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Ax pod grinzi beton
D=11.00m
Km 8+101.11
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Km 7+999.54
Km 8 existent
BUCURESTI
UAT SECTOR 6
BUCURESTI
UAT SECTOR 1
BUCURESTI NORD
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8+409.27
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8+314.72
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8+170.61
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8+042.93
8+009.91
trav beton/lemn
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P959
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