România, Bucureşti, Str. Polonă nr. 56, ap. 1,2,3,4,5,6,7,8, sector 1, cod 010504
Tel.: +40 021 2108906, +40 021 2106050, Fax: +40 021 2107966

Beneficiar: Compania Naţională de Administrare a Infrastructurii Rutiere

Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)

SUPORT TOPOGRAFIC



Executant: S.C. Consitrans Bucuresti S.R.L.

SOCIETATE CU RĂSPUNDERE LIMITATĂ
Reg. Com. J40/9475/1991 Cod unic RO 2629539 COD CAEN 7112
Cont IBAN RO92RNCB0286001165500001 BCR-TUNARI
Cont IBAN RO26MIND001000003141RO01 ATE BANK SA
Sucursala Calea Griviţei
Capital social: 200.000 RON

consitrans
România, Bucureşti, Str. Polonă nr. 56, ap. 1,2,3,4,5,6,7,8, sector 1, cod 010504
Tel.: +40 021 2108906, +40 021 2106050, Fax: +40 021 2107966

Anexa nr. 1.33

MEMORIU TEHNIC

1. Adresa imobil:

Centura Bucuresti, km 12+355 – km 23+600, Afumati, Cernica, Dobroesti, Glina, Pantelimon, Voluntari, Judetul Ilfov.

2. Tipul lucrarii:

Suport topografic.

3. Scurta prezentare a situatiei din teren:

Zona ce face obiectul lucrării este situată pe teritoriul administrativ al judetului Ilfov, in localitatile Afumati, Cernica, Dobroesti, Glina, Pantelimon si Voluntari.

Suprafata totala studiata este de 17.5Ha.

4. Situatia juridica a imobilului:

Amplasamentul studiat are multiplii proprietari atat particulari cat si de stat.

5. Operatiuni topo-cadastrale efectuate:

Au fost efectuate masuratori cu doua receptoare GNSS Topcon GR3 cu precizie de masurare de ±(10mm±1ppm) pe orizontala si ±(15mm±1ppm) pe verticala, cu inregistrari in mod RTK, folosind corectii de la sistemul ROMPOS si o drumuire poligonometrica pentru determinarea detaliilor in zonele cu semnal satelitar obstructionat.

Pentru determinarea punctelor de sprijin au fost folosite doua receptoare Topcon GR3 prin stationare statica cu interval de inregistrare 5 secunde.

Pentru realizarea retelei poligonometrice si masurarea puctelor radiate a fost folosita o statie totala Leica TCR702 cu precizie de determinare a distantelor de ±(2mm±2ppm) si o precizie de determinare a directiilor de 2". Precizia interna a retelei poligonometrice a fost de ±10mm pentru punctele de statie si ±18mm pentru punctele radiate.

Sistemul de coordonate:

În România se utilizează, în mod oficial Sistemul de coordonate 1942 (cunoscut pe plan internaţional sub denumirea "S-42"), bazat pe elipsoidul Krasovski 1940, cu punctul fundamental la Pulkovo, împreună cu Proiecţia stereografică 1970 si Sistemul de altitudini Marea Neagra 1975.

Transformarea coordonatelor s-a efectuat cu ajutorul aplicatiei Transdat 4.04 elaborata de ANCPI.

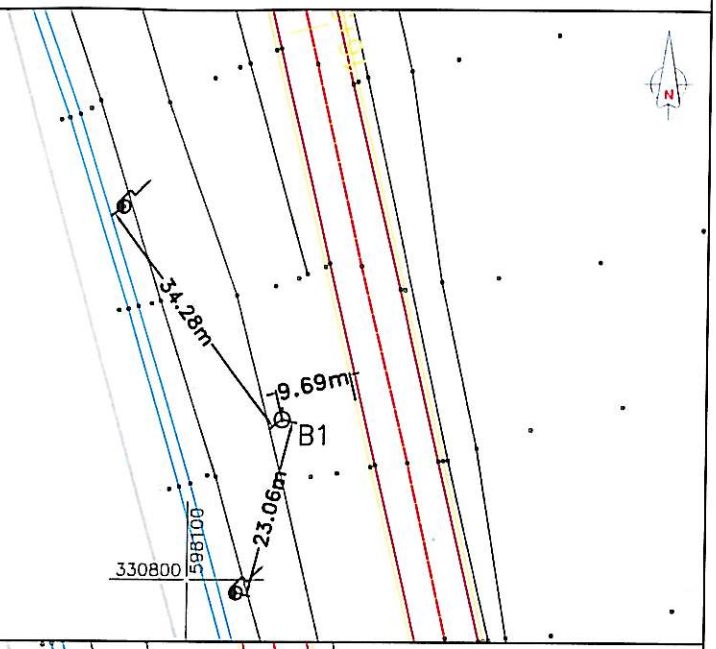
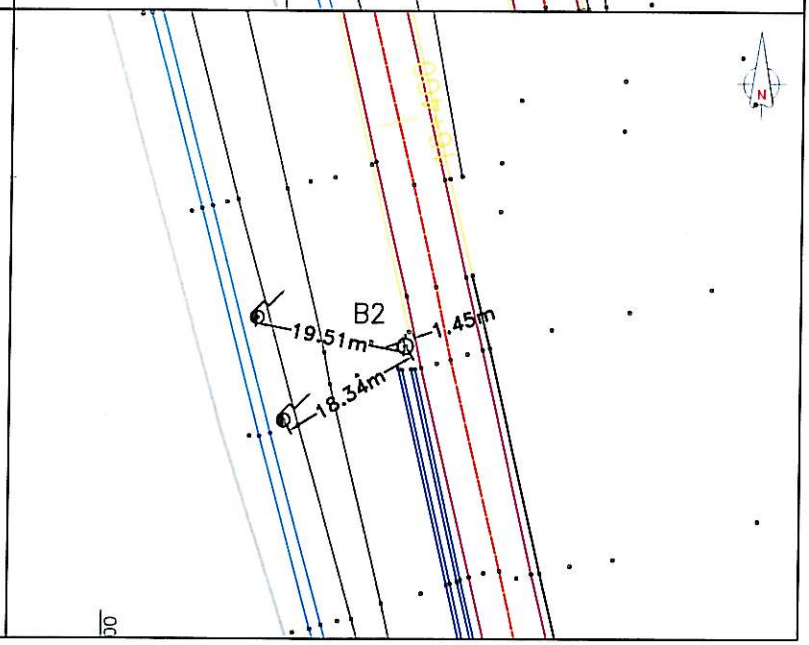
Semnatura si ştampila
(persoana autorizata)

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CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. 0152 S.C. CONSITRANS S.R.L. CLASA I

DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

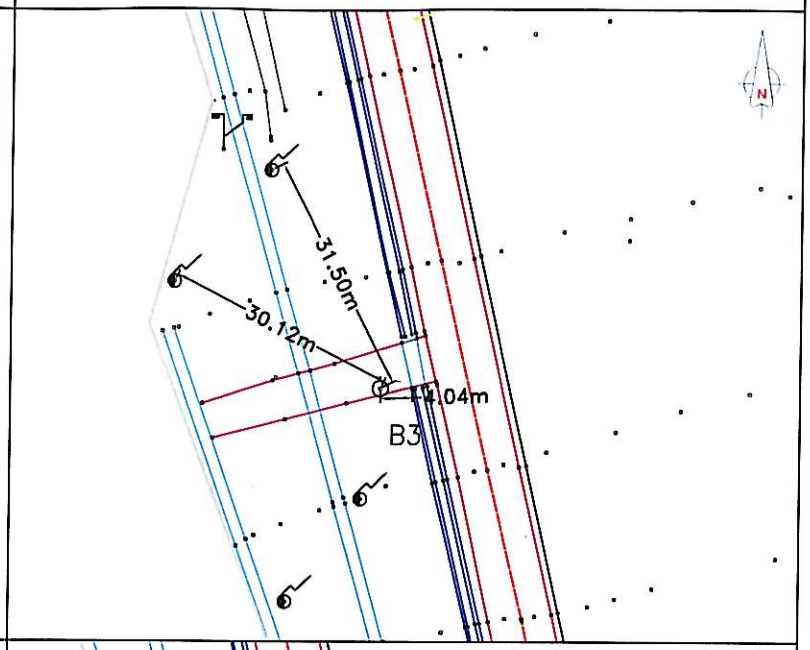
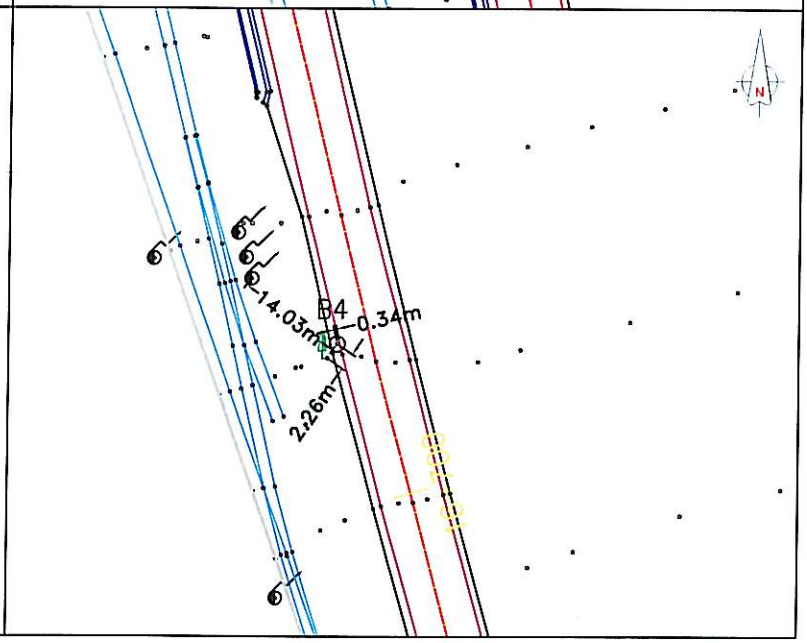
Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
1	Borna FENO pozitionata la baza podului peste CF Bucuresti Constanta	B1	Borna FENO	X=330820.647 Y=598112.106 H=79.179	
2	Cui metalic pozitionat pe marginea drumului	B2	Cui metalic	X=330744.266 Y=598139.009 H=78.071	

persoană juridică autorizată de ANCPI să execute lucrări de cadastru, geodezie și cartografie
CERTIFICAT DE AUTORIZARE
Seria ROB-V Nr. C452
S.C. CONSTRAMS S.R.L.
CLASA I

CERTIFICAT DE AUTORIZARE
MARIAN CORNEL MILODIN

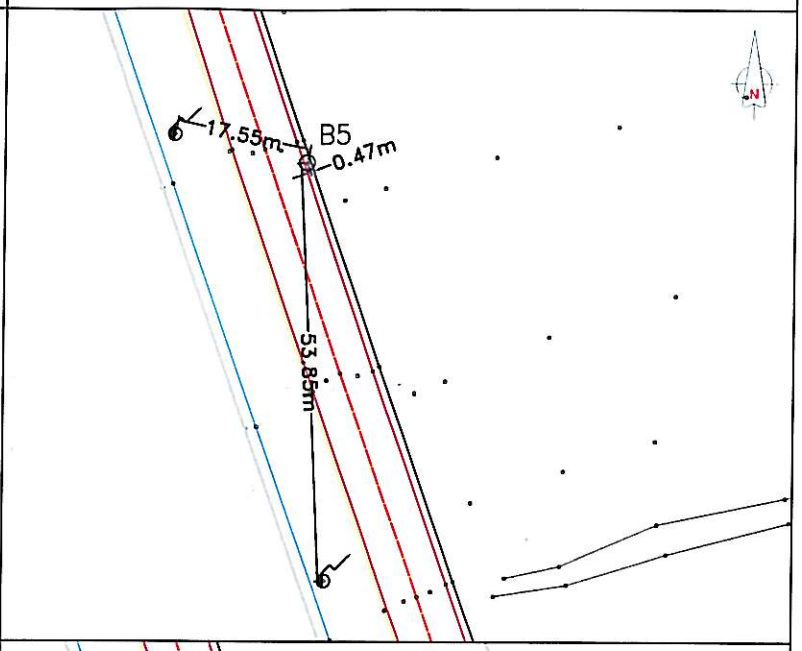
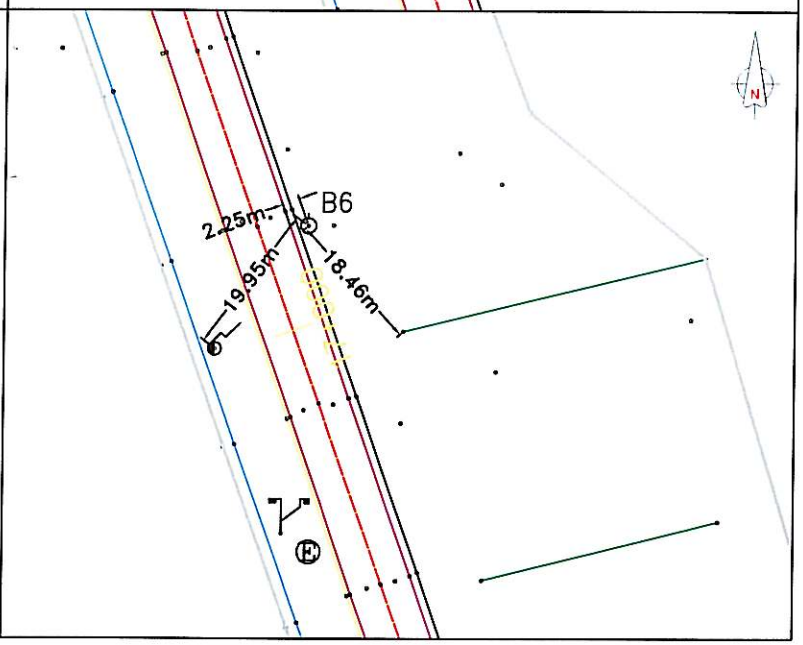
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
3	Cui metalic pozitionat pe trecerea la cale ferata	B3	Cui metalic	X=330623.66 Y=598161.015 H=75.652	
4	Cui metalic pozitionat pe marginea drumului	B4	Cui metalic	X=330500.689 Y=598196.893 H=75.242	

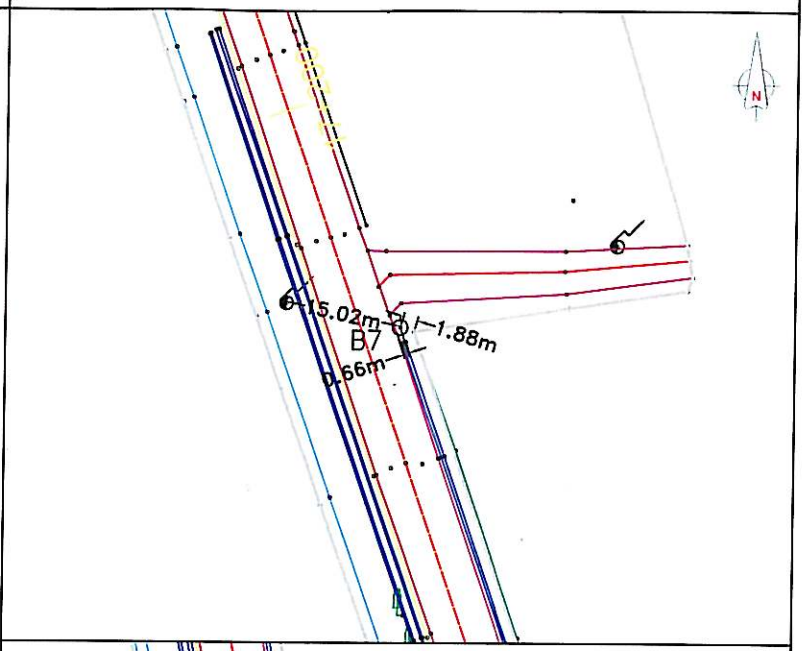
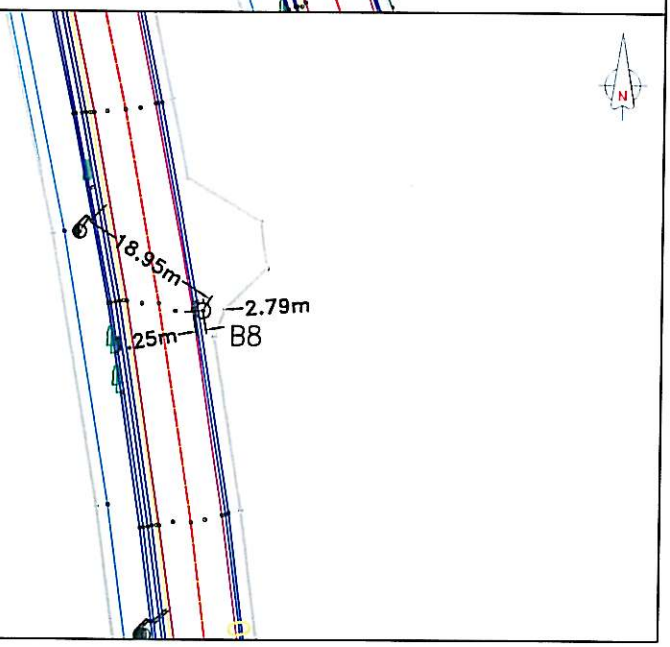
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
5	Cui metalic pozitionat pe marginea drumului	B5	Cui metalic	X=330361.082 Y=598249.215 H=74.788	
6	Borna feno pozitionata pe margine drumului in apropiere de depozit paleti	B6	Borna feno	X=330210.687 Y=598304.075 H=74.056	

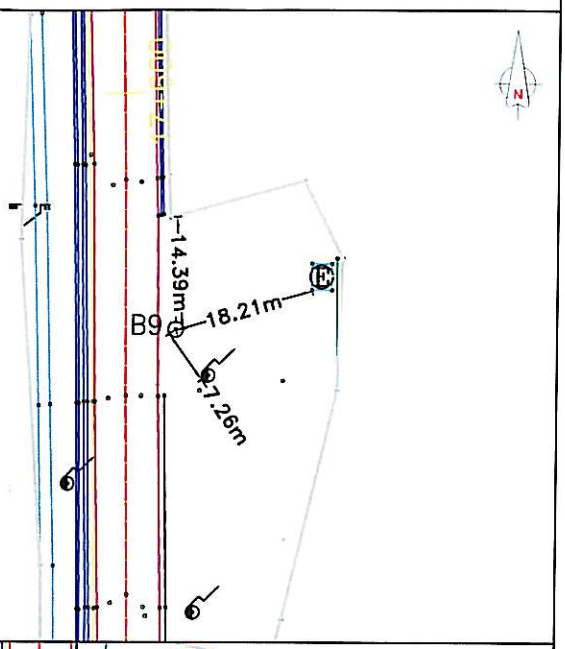
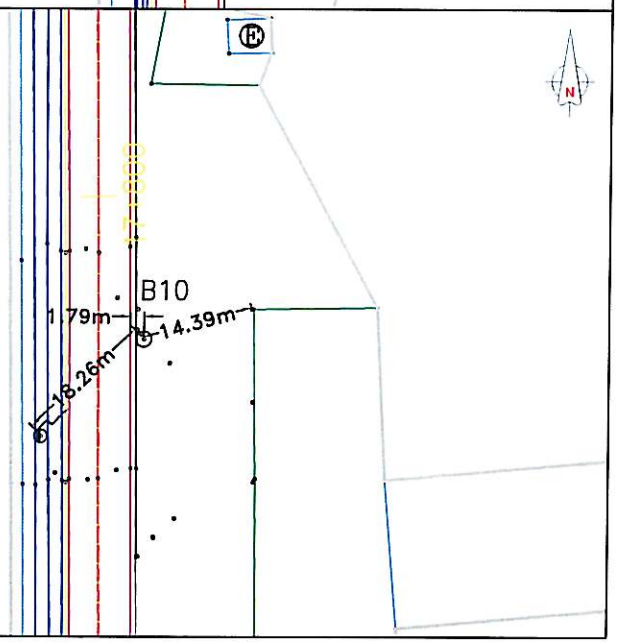
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
7	Cui metalic pozitionat pe marginea drumului la colt cu unitate militara	B7	Cui metalic	X=329980.694 Y=598383.535 H=73.386	
8	Cui metalic pozitionat la intrare in baza militara	B8	Cui metalic	X=329766.767 Y=598445.165 H=73.117	

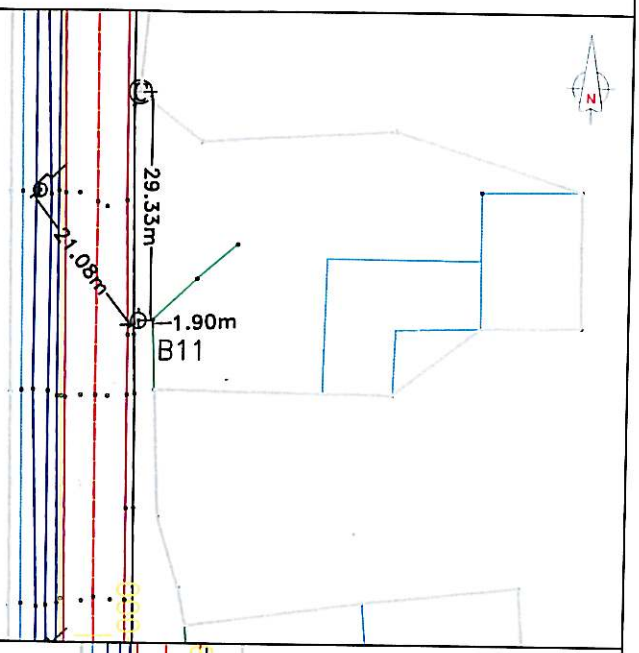
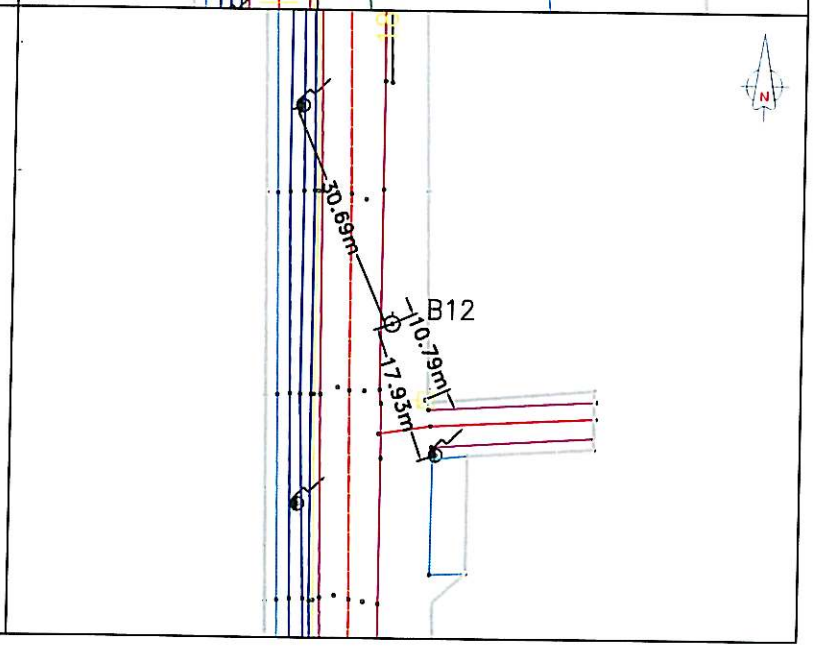
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
9	Borna feno pozitionata pe marginea drumului	B9	Borna feno	X=329589.673 Y=598461.783 H=72.577	
10	Cui metalic pozitionat in bordura	B10	Cui metalic	X=329401.526 Y=598464.131 H=73.122	

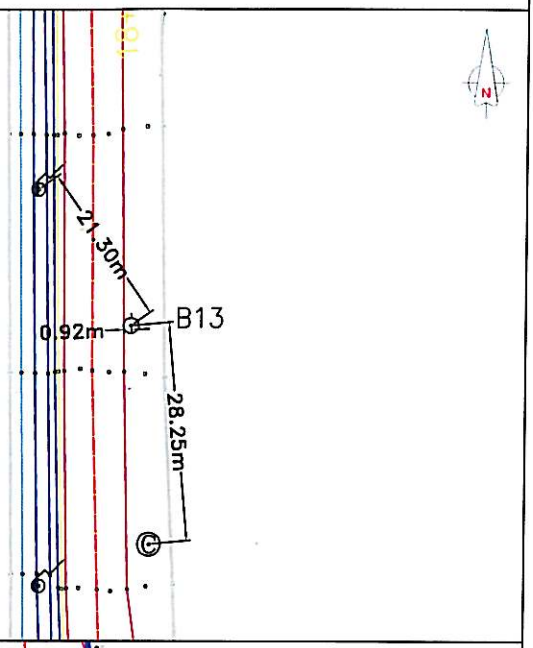
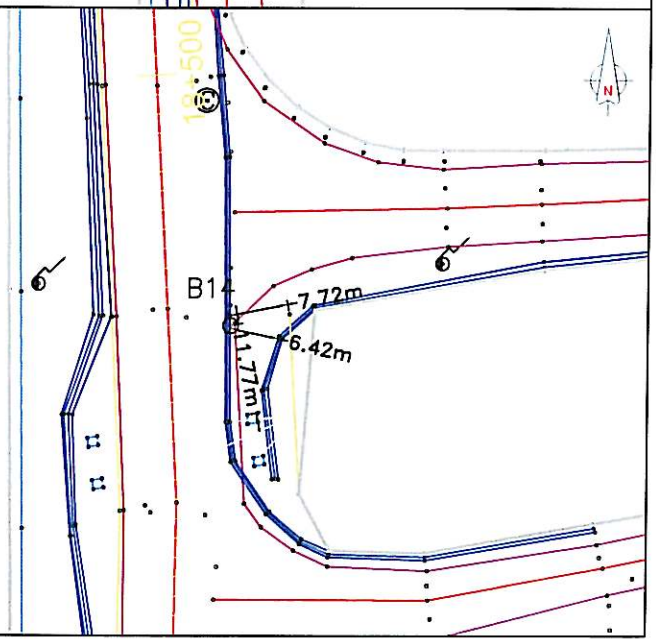
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
11	Cui metalic pozitionat pe marginea drumului vizavi de benzinaria Lukoil	B11	Cui metalic	X=329260.653 Y=598465.276 H=73.666	
12	Cui metalic pozitionat pe marginea drumului	B12	Cui metalic	X=329077.067 Y=598467.621 H=74.123	

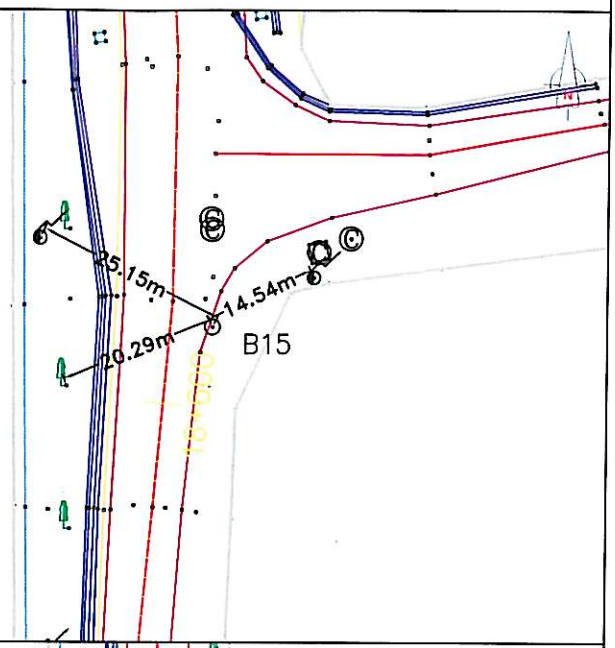
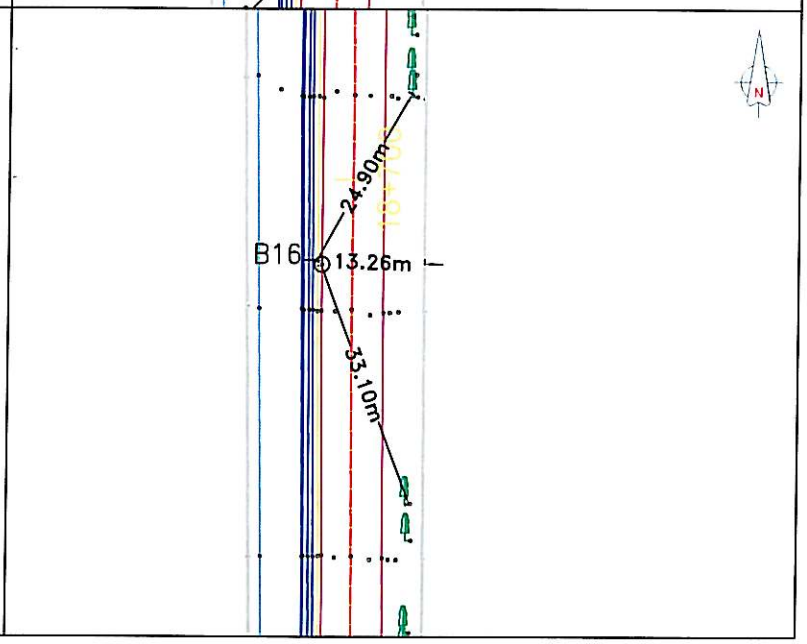
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
13	Cui metalic pozitionat pe marginea drumului la colt cu unitate militara	B13	Cui metalic	X=328879.340 Y=598469.841 H=74.004	
14	Cui metalic pozitionat pe marginea drumului in apropiere de pod	B14	Cui metalic	X=328688.091 Y=598485.557 H=72.999	

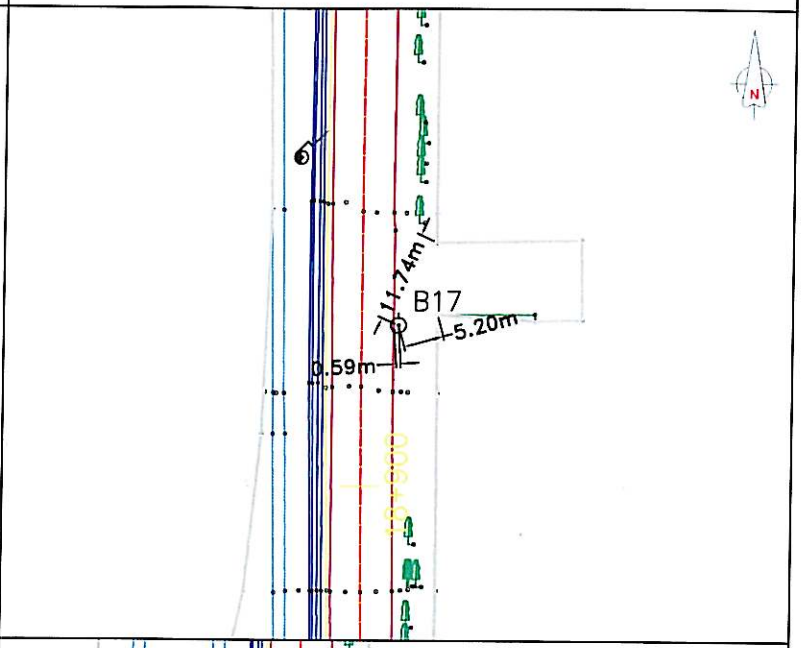
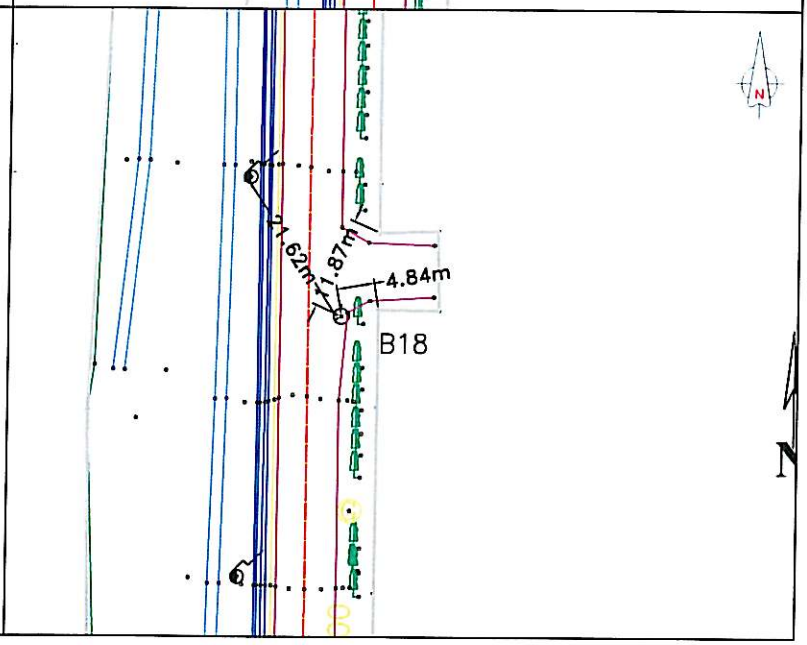
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Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
15	Cui metalic pozitionat pe marginea drumului in apropiere de pod	B15	Cui metalic	X=328630.503 Y=598483.511 H=72.686	
16	Cui metalic pozitionat pe marginea drumului	B16	Cui metalic	X=328509.897 Y=598469.227 H=71.66	

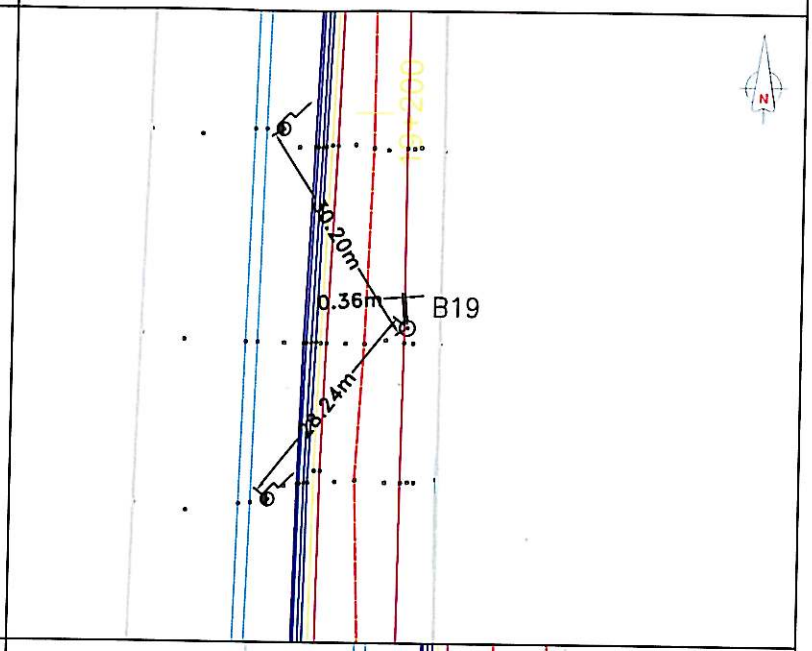
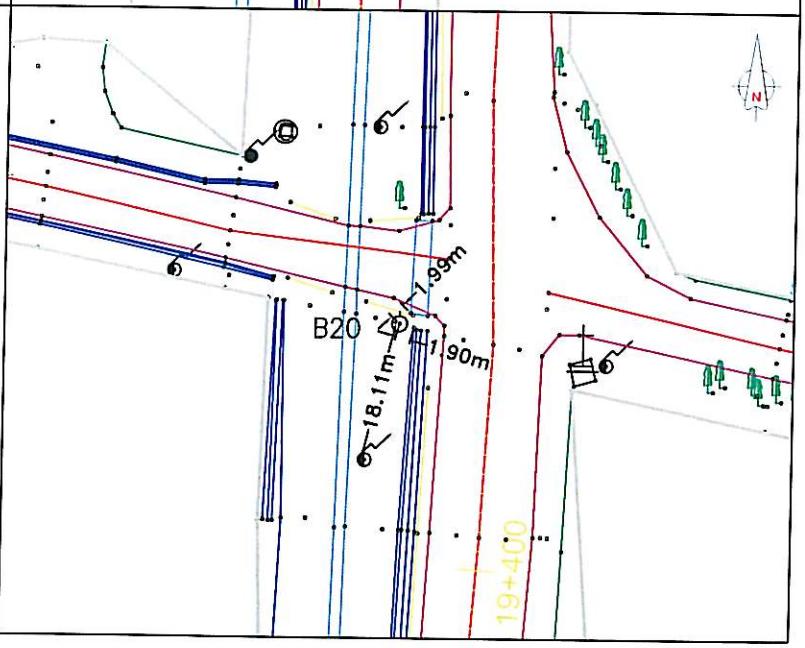
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Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
17	Cui metalic pozitionat pe marginea drumului la intrare in unitate militara	B17	Cui metalic	X=328341.596 Y=598478.220 H=71.077	
18	Cui metalic pozitionat pe marginea drumului	B18	Cui metalic	X=328164.920 Y=598478.921 H=70.645	

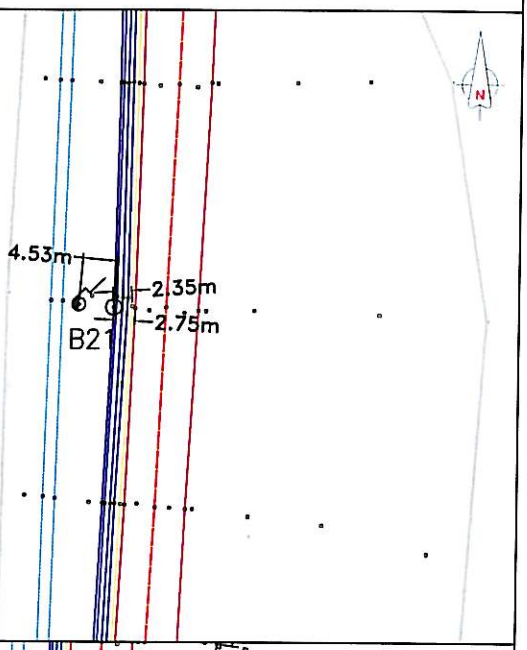
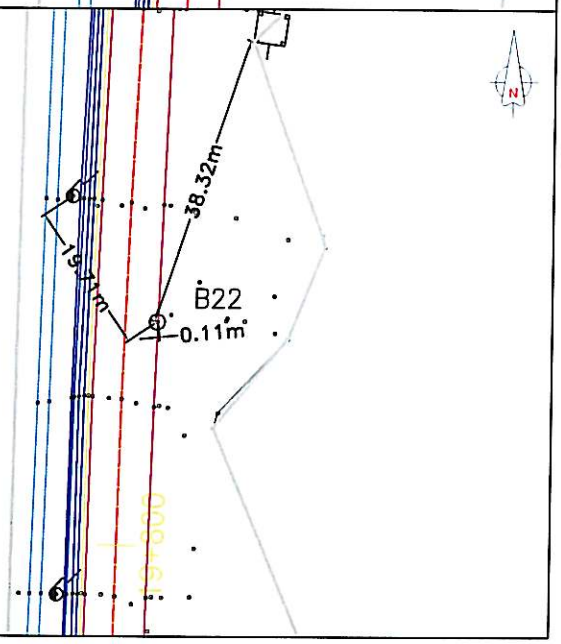
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Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
19	Cui metalic pozitionat pe marginea drumului	B19	Cui metalic	X=327993.405 Y=598478.818 H=70.34	
20	Borna feno pozitionata pe margine drumului la intersectie cu DJ301	B20	Borna feno	X=327852.834 Y=598461.392 H=69.809	

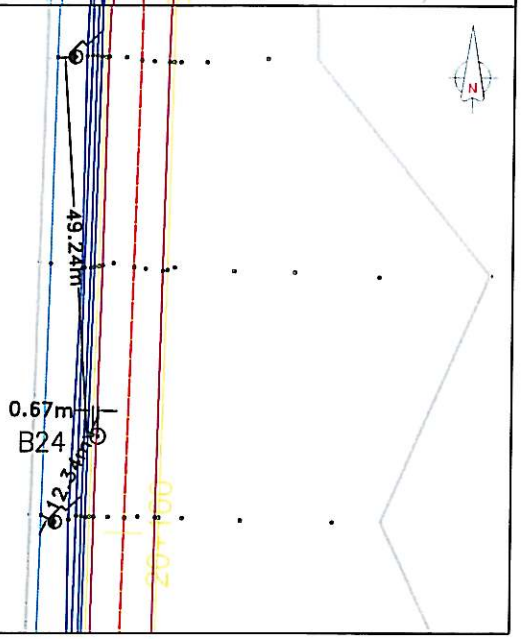
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
21	Cui metalic pozitionat pe marginea drumului in rigola	B21	Cui metalic	X=327674.612 Y=598457.256 H=67.518	
22	Cui metalic pozitionat pe marginea drumului	B22	Cui metalic	X=327450.416 Y=598457.855 H=65.625	

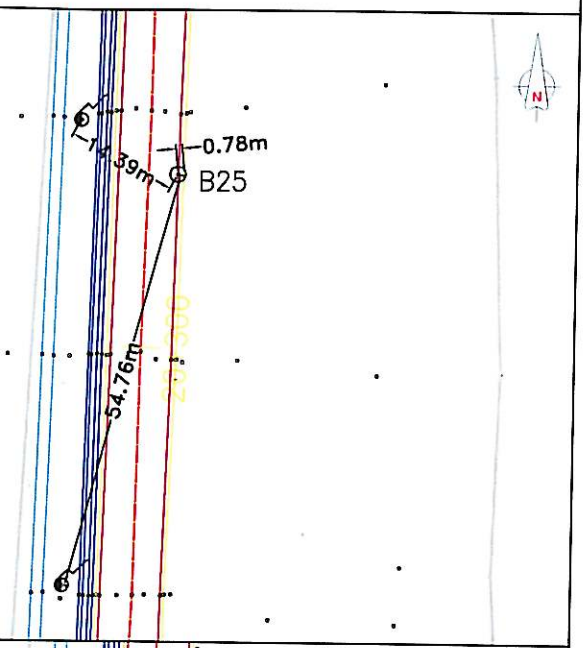
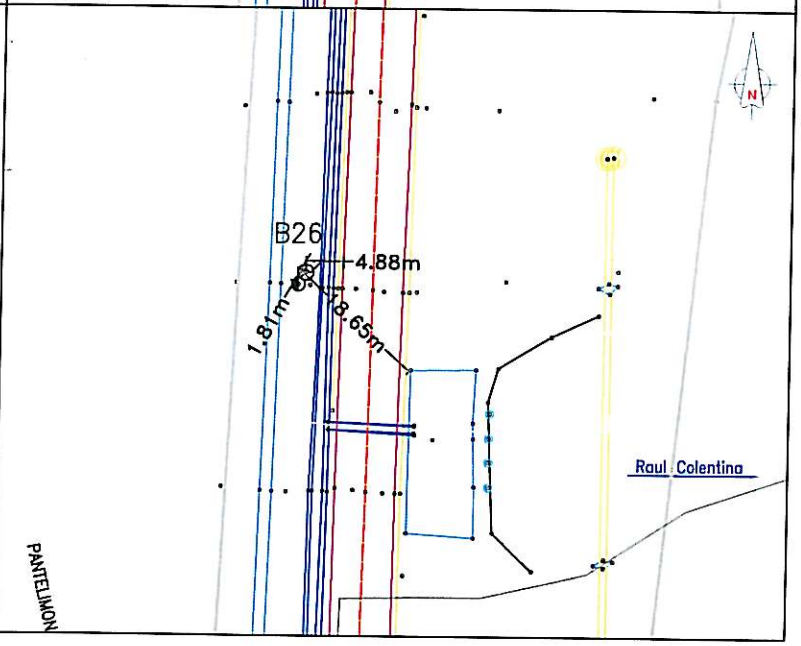
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Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
23	Cui metalic pozitionat pe marginea drumului	B23	Cui metalic	X=327275.998 Y=598445.708 H=63.416	
24	Cui metalic pozitionat pe marginea drumului	B24	Cui metalic	X=327134.103 Y=598442.337 H=62.661	

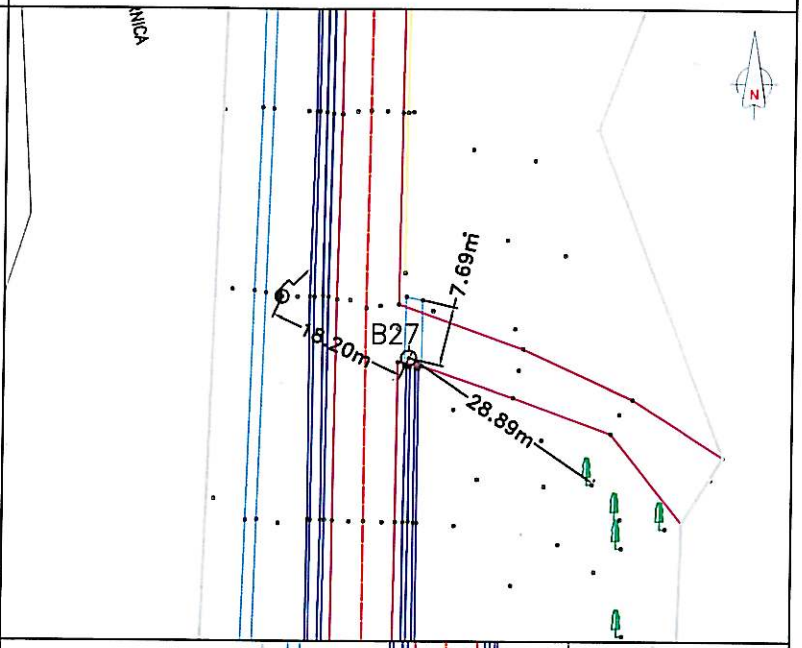
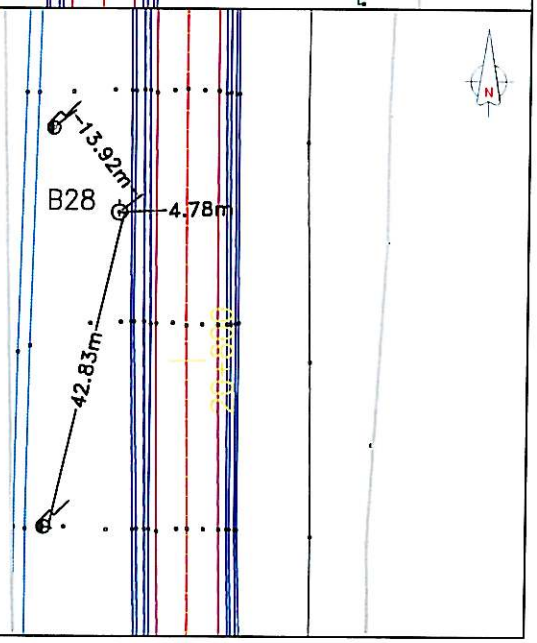
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
25	Cui metalic pozitionat pe marginea drumului	B25	Cui metalic	X=326943.946 Y=598444.978 H=62.324	
26	Borna feno pozitionata in spatiu liber dintre cale ferata si drum	B26	Borna feno	X=326776.679 Y=598428.305 H=62.542	

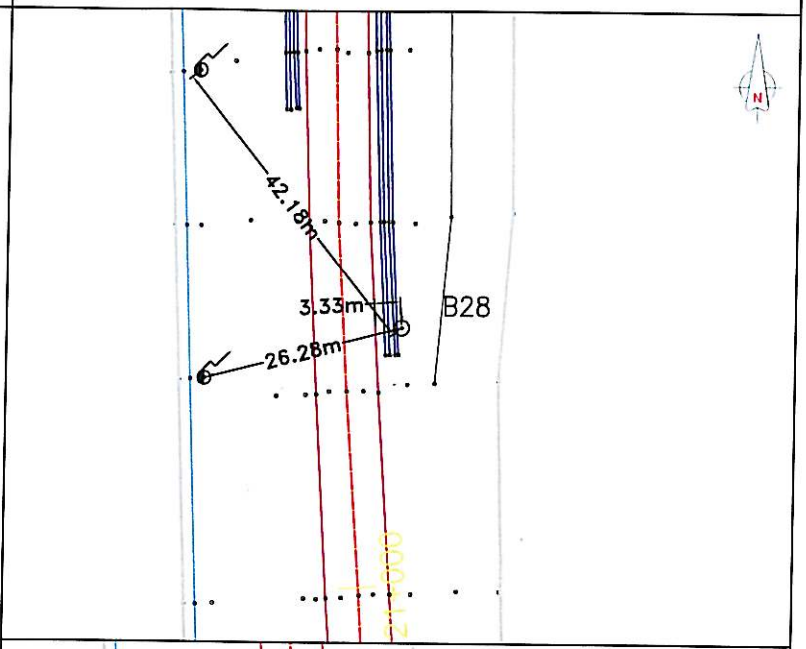
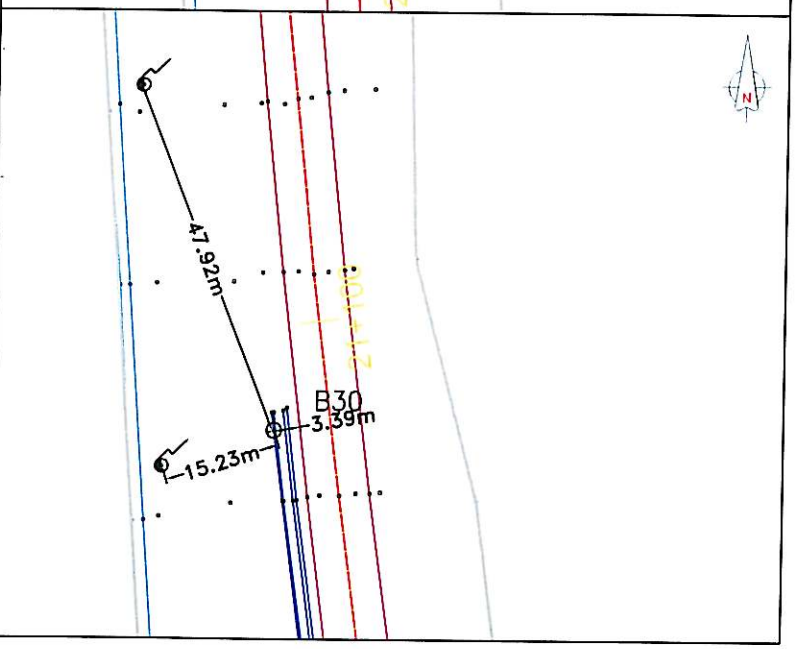
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
27	Cui metalic pozitionat pe marginea drumului pe un podet	B27	Cui metalic	X=326668.116 Y=598440.698 H=62.091	
28	Borna feno pozitionata pe margine drumului in zona libera dintre cale ferata si drum	B28	Borna feno	X=326440.997 Y=598426.383 H=63.953	

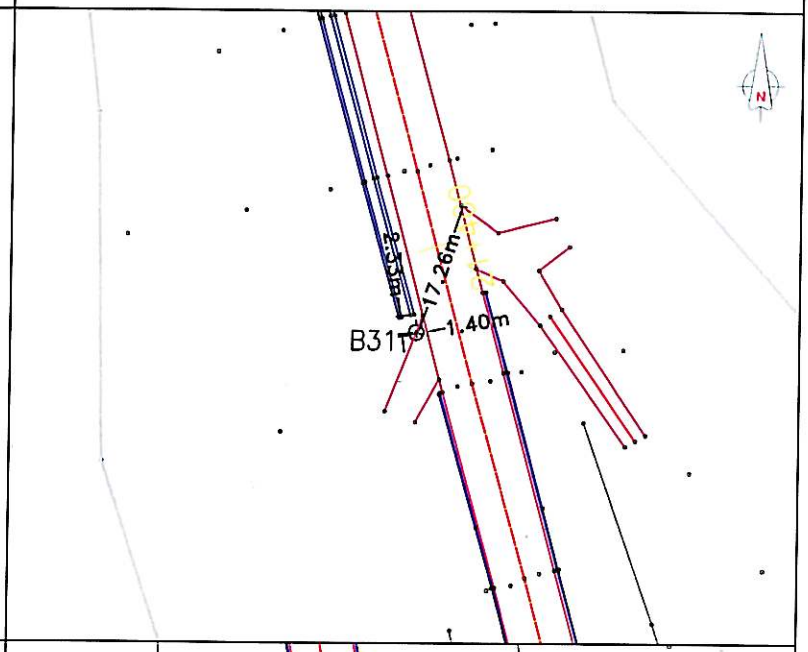
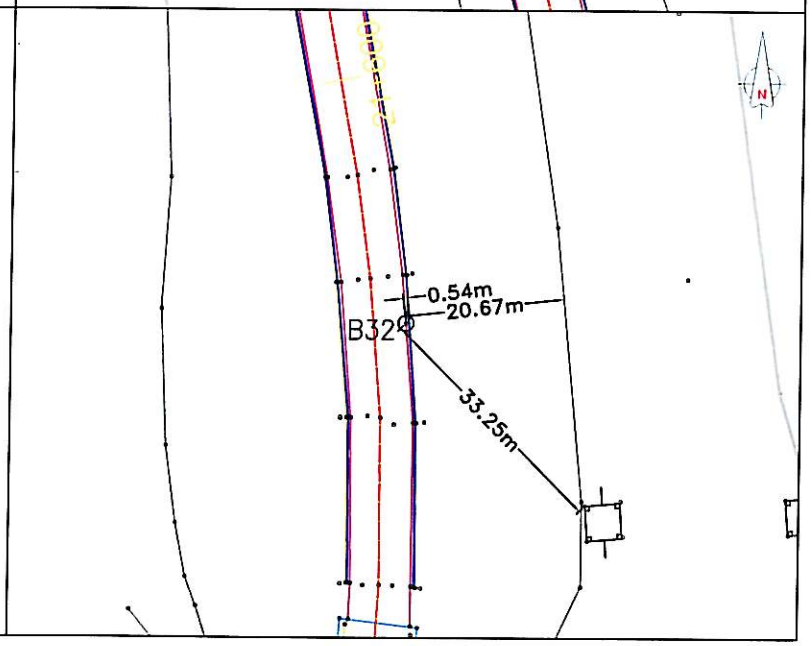
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Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
29	Borna feno pozitionata pe margine drumului	B29	Borna feno	X=326255.351 Y=598446.343 H=66.046	
30	Cui metalic pozitionat in rigola pe marginea drumului	B30	Cui metalic	X=326108.18 Y=598444.515 H=66.584	

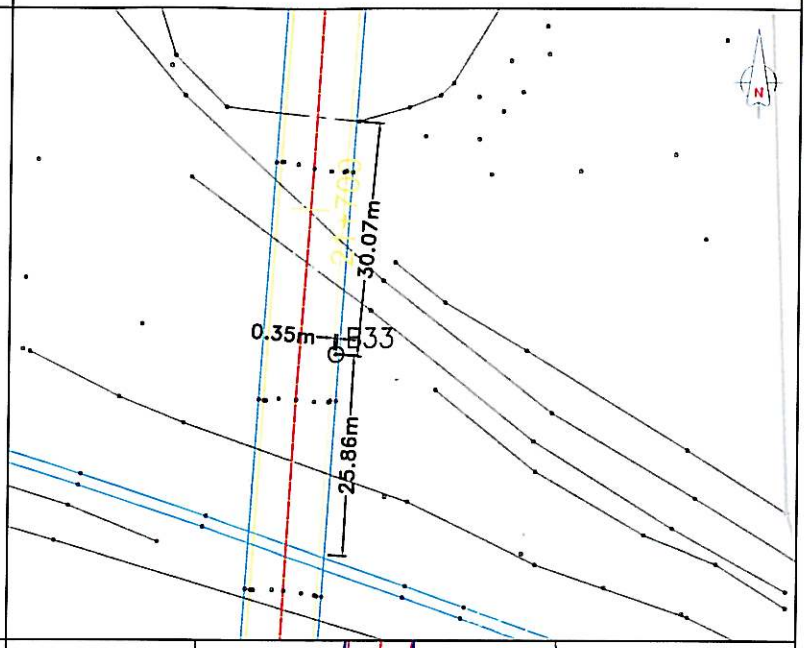
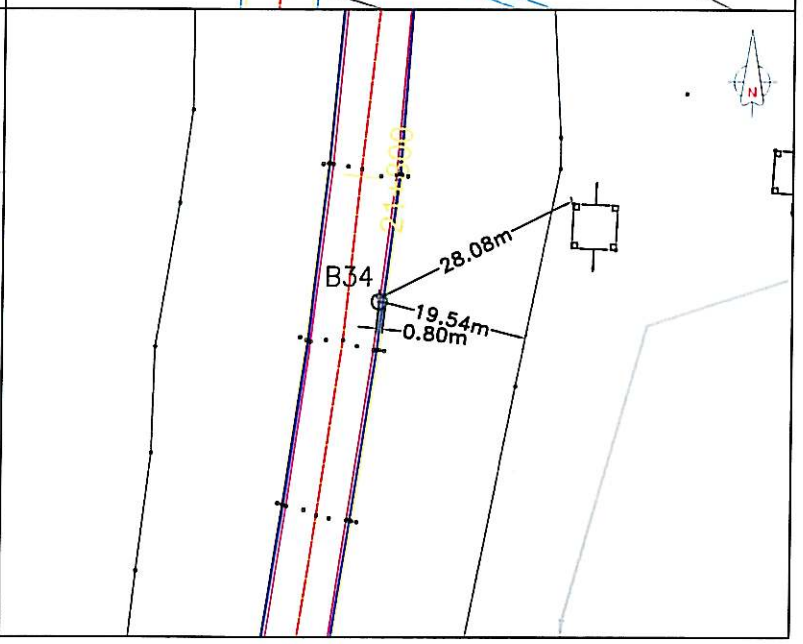
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
31	Cui metalic pozitionat pe marginea drumului in apropiere de pod peste cale ferata Bucuresti Oltenita	B31	Cui metalic	X=325818.426 Y=598511.084 H=69.819	
32	Cui metalic pozitionat pe pod peste cale ferata Bucuresti Oltenita	B32	Cui metalic	X=325604.830 Y=598574.011 H=80.260	

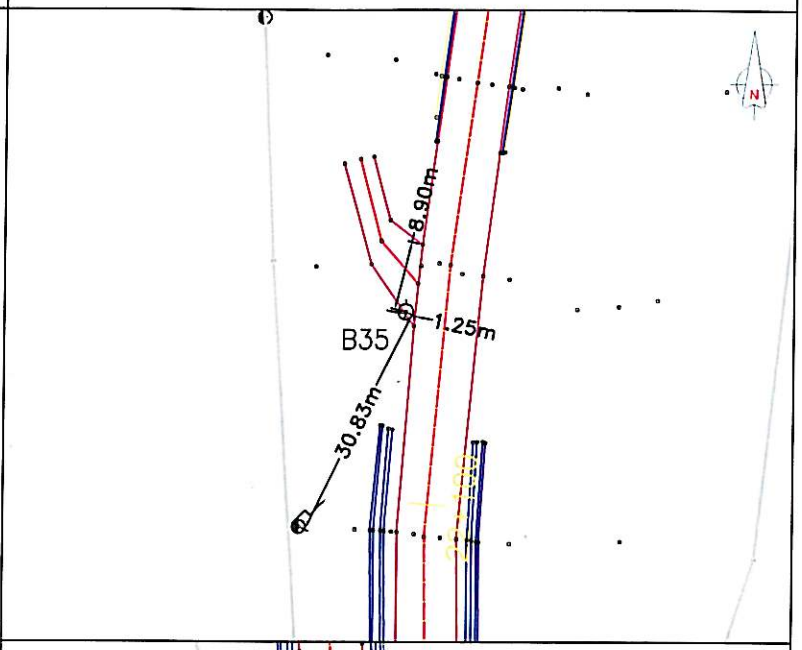
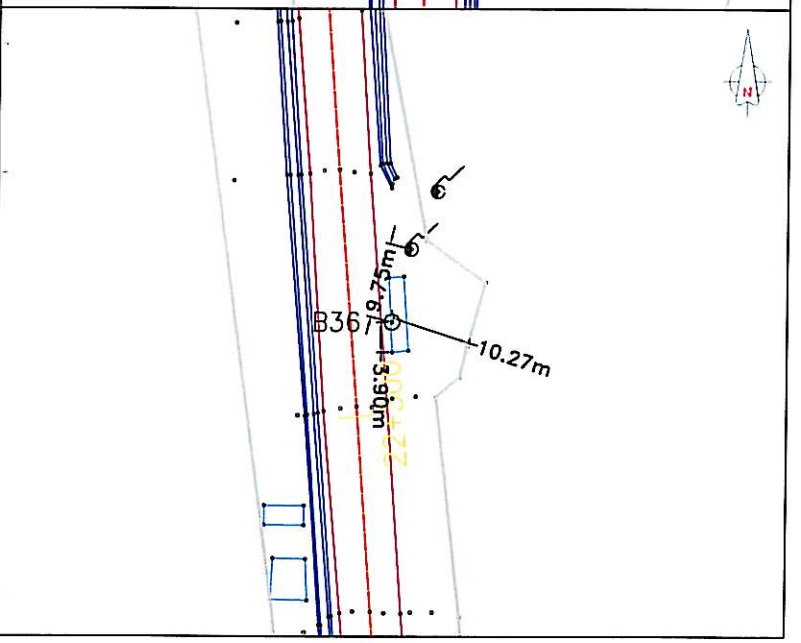
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
33	Cui metalic pozitionat pe pod peste cale ferata Bucuresti Oltenita	B33	Cui metalic	X=325518.188 Y=598572.299 H=81.659	
34	Cui metalic pozitionat pe pod peste cale ferata Bucuresti Oltenita	B34	Borna feno	X=325420.815 Y=598564.101 H=80.218	

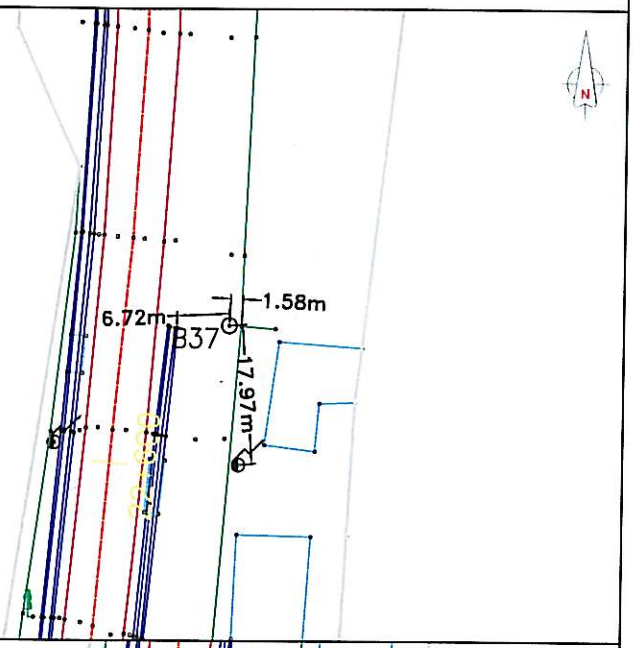
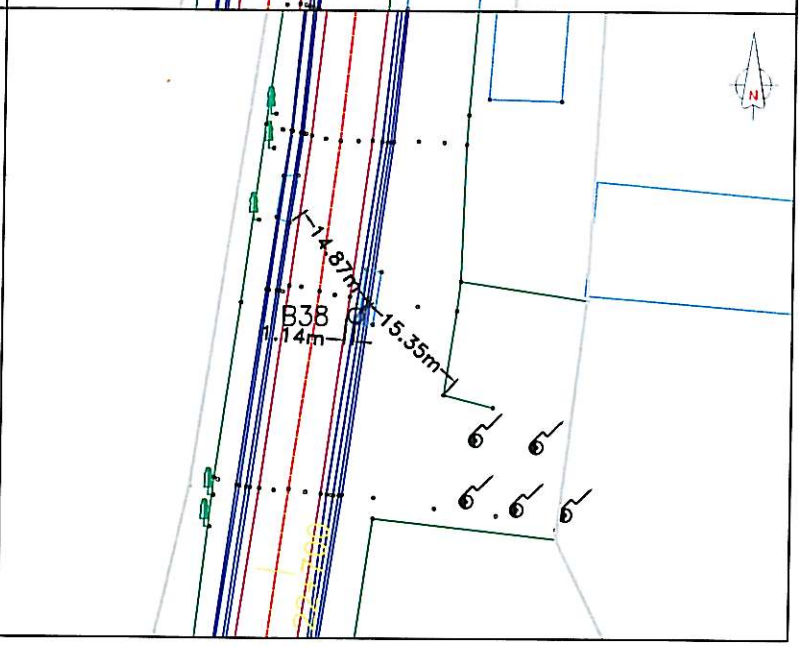
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
35	Cui metalic pozitionat la baza podului peste cale ferata Bucuresti Oltenita	B35	Cui metalic	X=325164.762 Y=598517.615 H=69.404	
36	Cui metalic pozitionat la intrare in Poligon trageri	B36	Borna feno	X=324952.700 Y=598537.663 H=67.638	

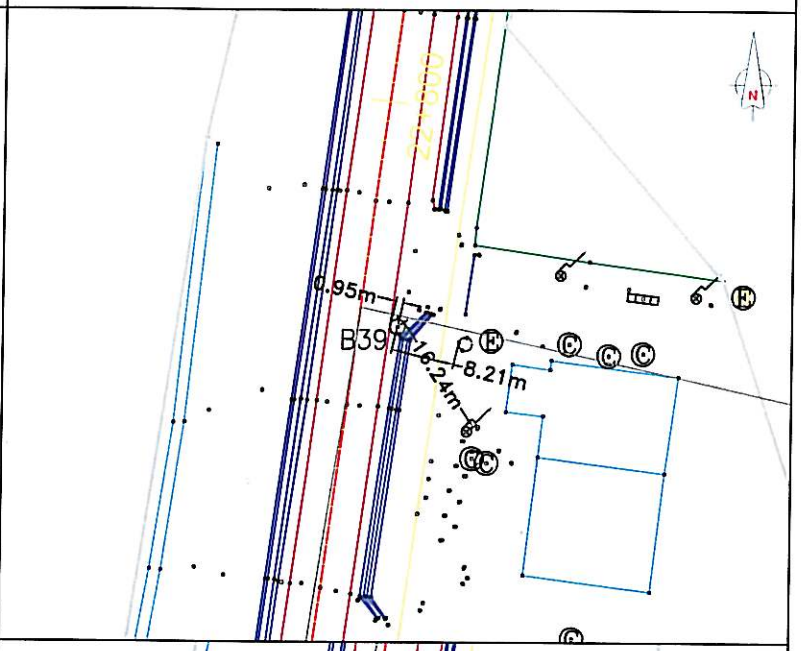
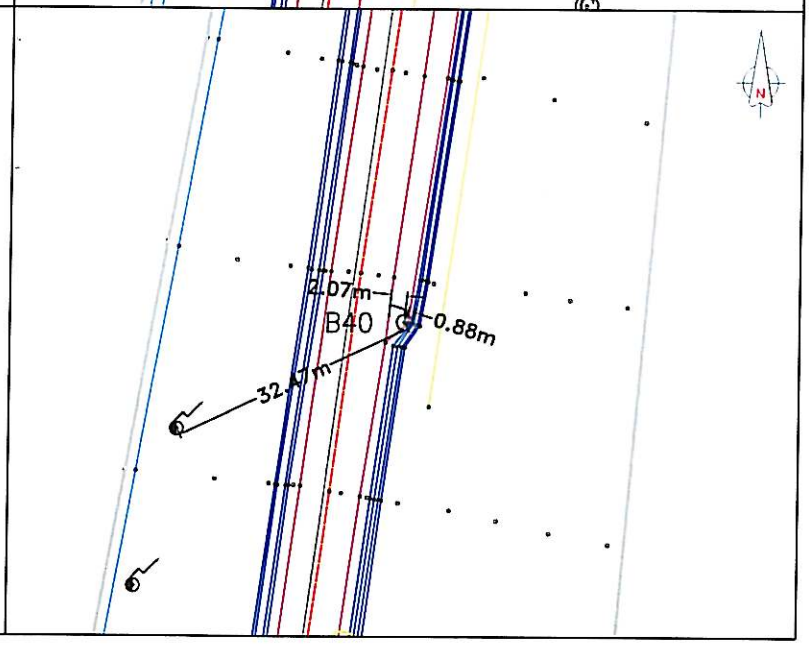
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
37	Borna feno pozitionata pe margine drumului	B37	Borna feno	X=324658.963 Y=598560.472 H=65.964	
38	Cui metalic pozitionat pe marginea drumului	B38	Cui metalic	X=324575.046 Y=598543.347 H=66.057	

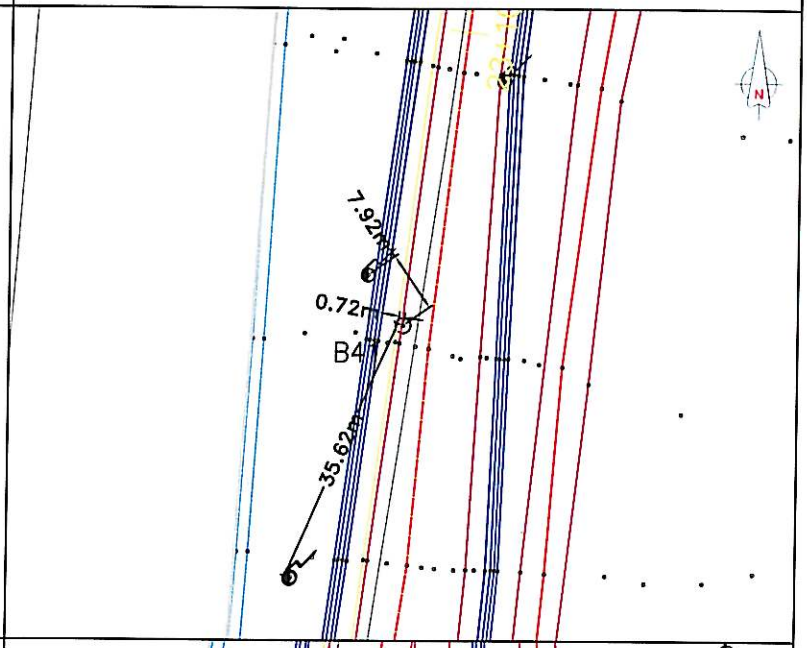
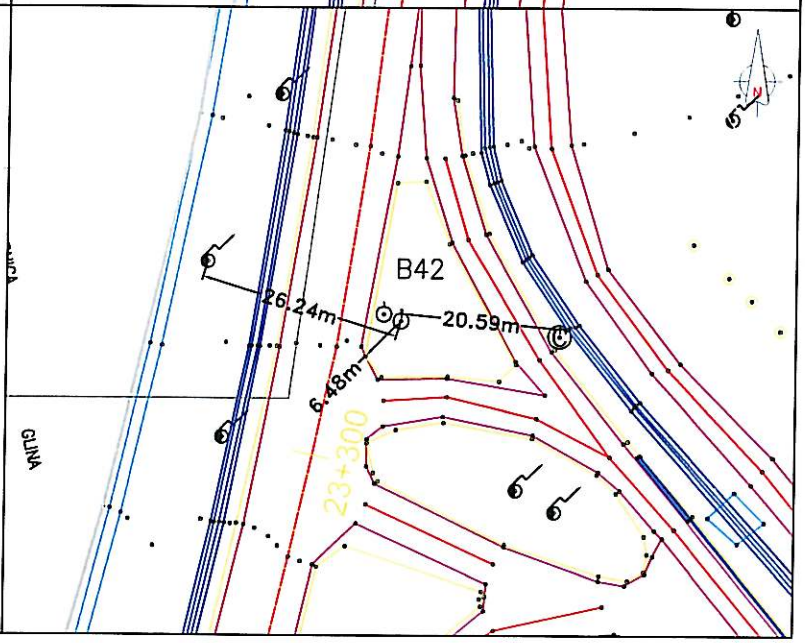
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
39	Cui metalic pozitionat pe marginea drumului in fata la Rompetrol	B39	Cui metalic	X=324413.967 Y=598521.170 H=65.784	
40	Cui metalic pozitionat pe marginea drumului	B40	Cui metalic	X=324290.764 Y=598505.650 H=65.672	

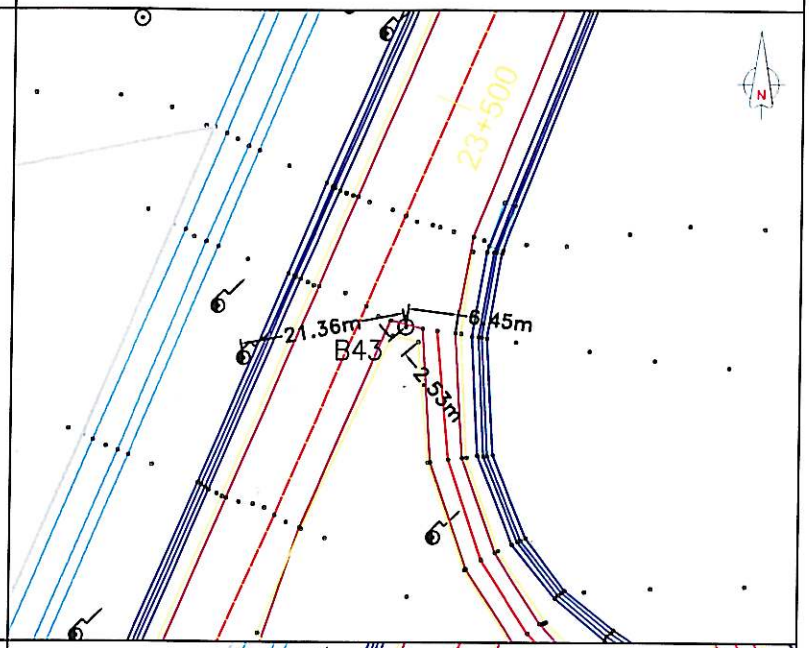
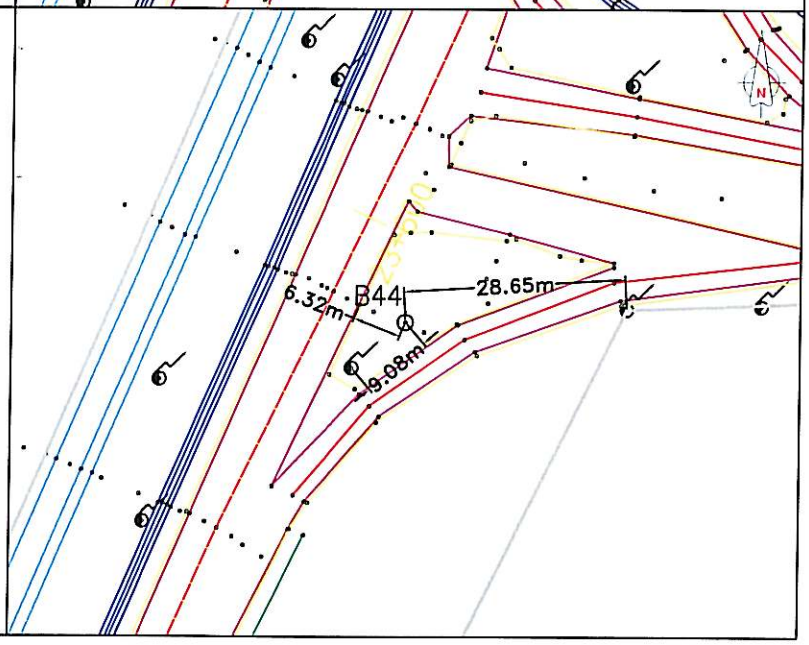
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
41	Cui metalic pozitionat pe marginea drumului	B41	Cui metalic	X=324107.984 Y=598471.866 H=64.77	
42	Cui metalic pozitionat pe o platforma beton din spatiu verde	B42	Borna feno	X=323964.597 Y=598466.907 H=63.958	

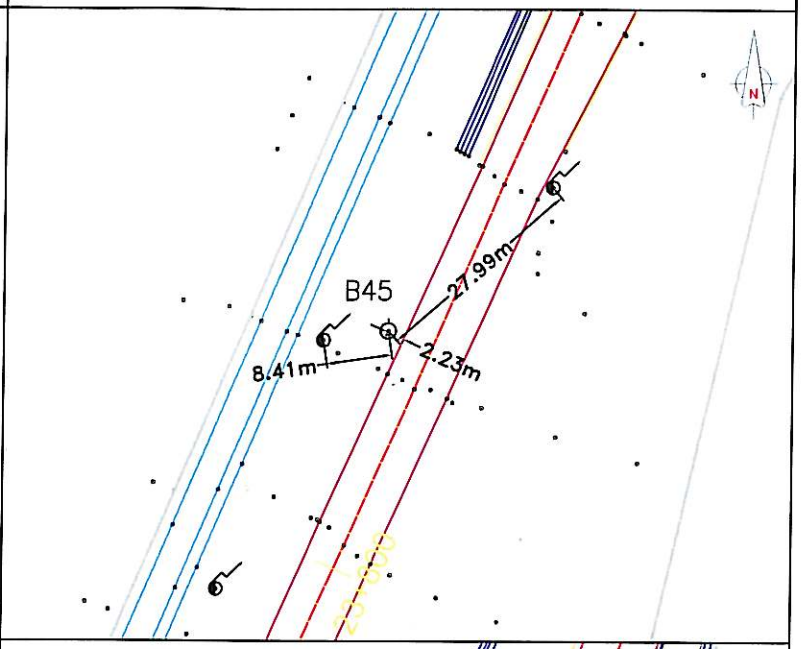
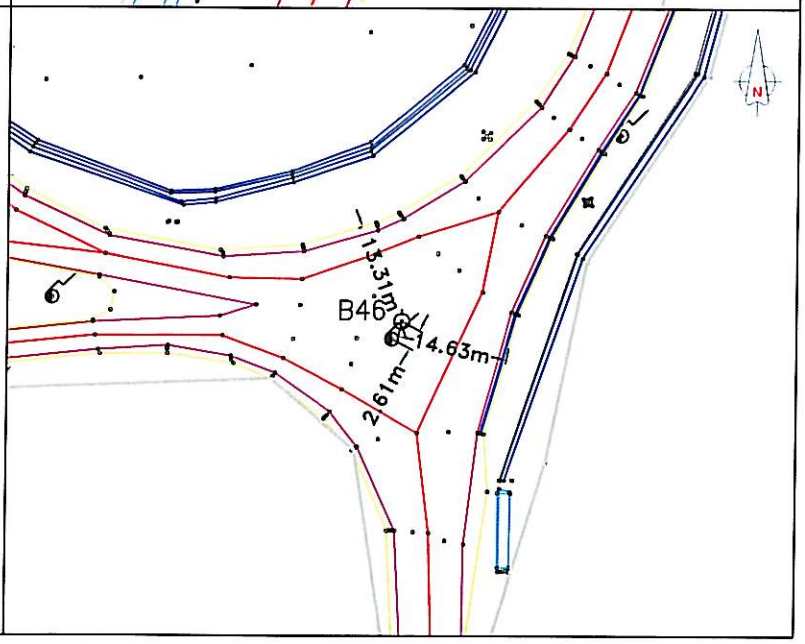
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
43	Cui metalic pozitionat pe marginea drumului	B43	Cui metalic	X=323730.232 Y=598383.406 H=61.259	
44	Borna feno pozitionata pe margine drumului in spatiu verde	B44	Borna feno	X=323653.852 Y=598353.981 H=60.322	

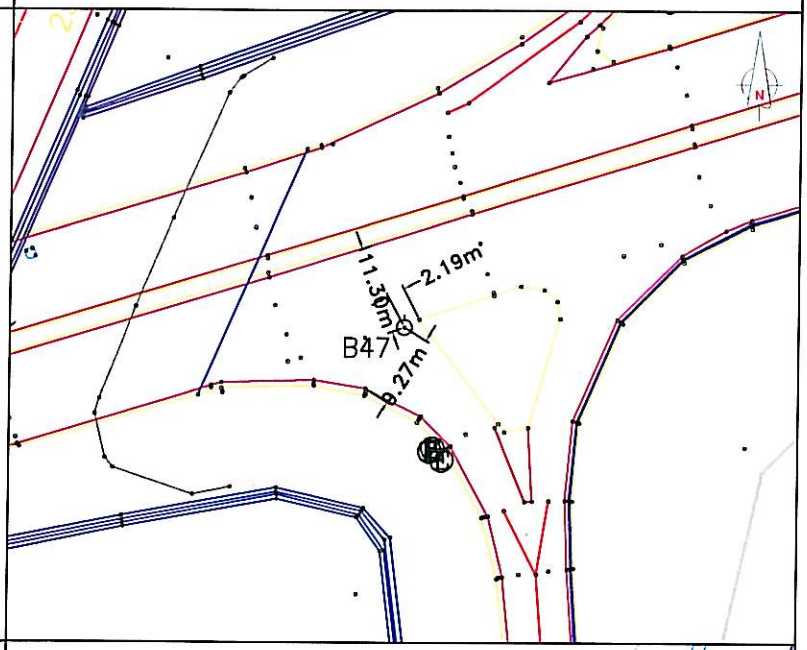
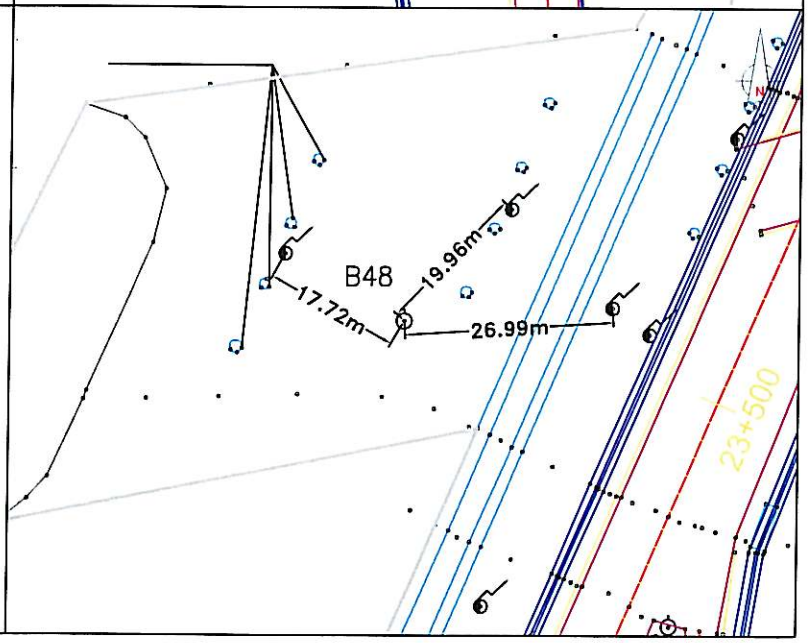
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
45	Cui metalic pozitionat pe marginea drumului	B45	Cui metalic	X=323730.232 Y=598383.406 H=61.259	
46	Cui metalic pozitionat in rond	B46	Cui metalic	X=323665.415 Y=598461.946 H=64.738	

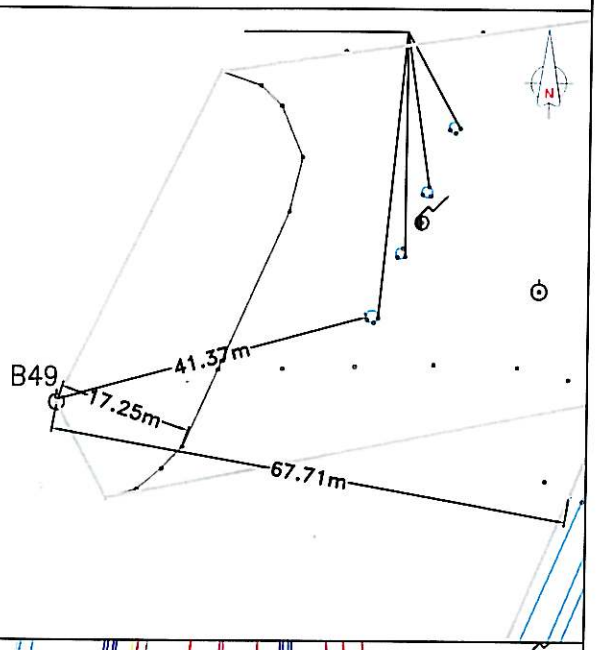
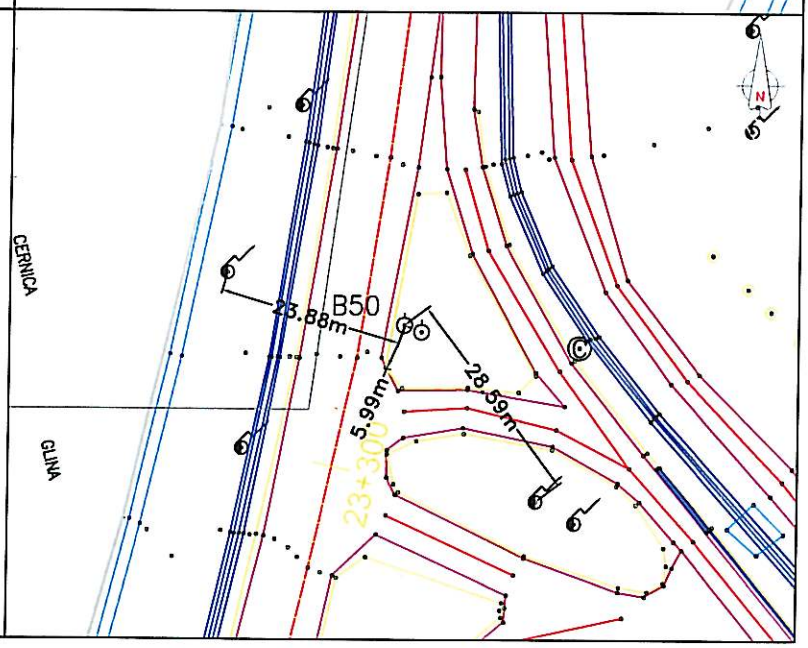
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
47	Cui metalic pozitionat pe marginea drumului pe pod A2	B47	Cui metalic	X=323805.264 Y=598475.778 H=69.977	
48	Cui metalic pozitionat pe marginea drumului pe pod A2	B48	Cui metalic	X=323769.673 Y=598348.718 H=70.646	

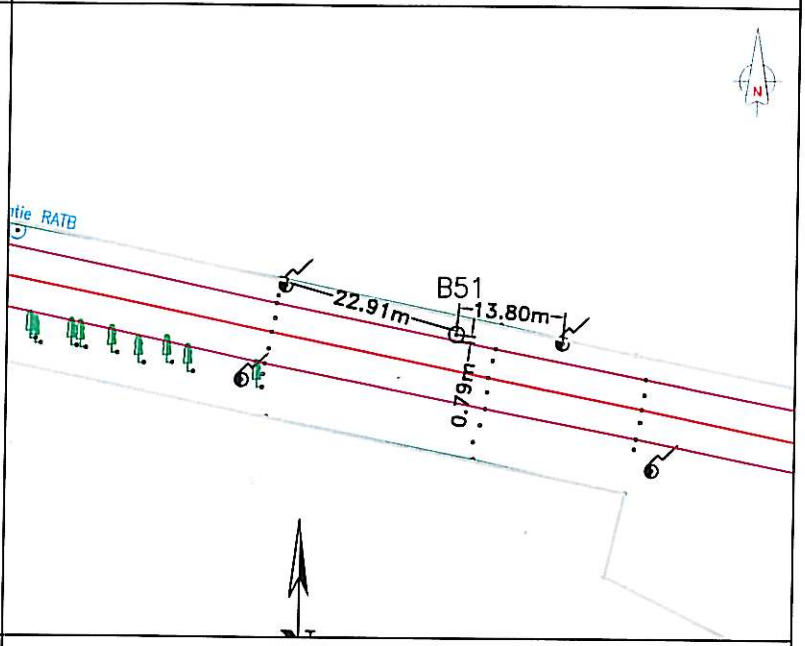
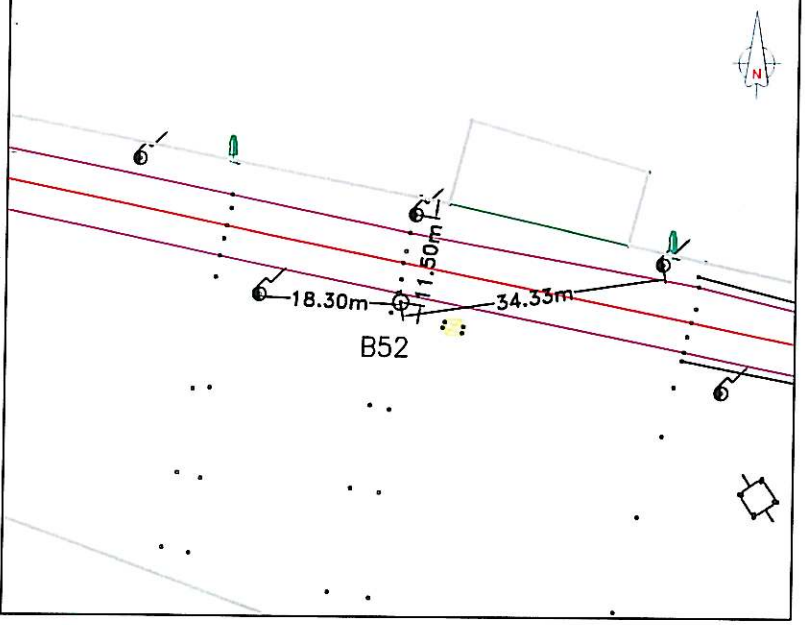
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
49	Cui metalic pozitionat pe marginea drumului pe pod A2	B49	Cui metalic	X=323755.141 Y=598286.35 H=69.956	
50	Borna feno pozitionata pe margine drumului in spatiul verde	B50	Borna feno	X=323965.483 Y=598464.712 H=64.061	

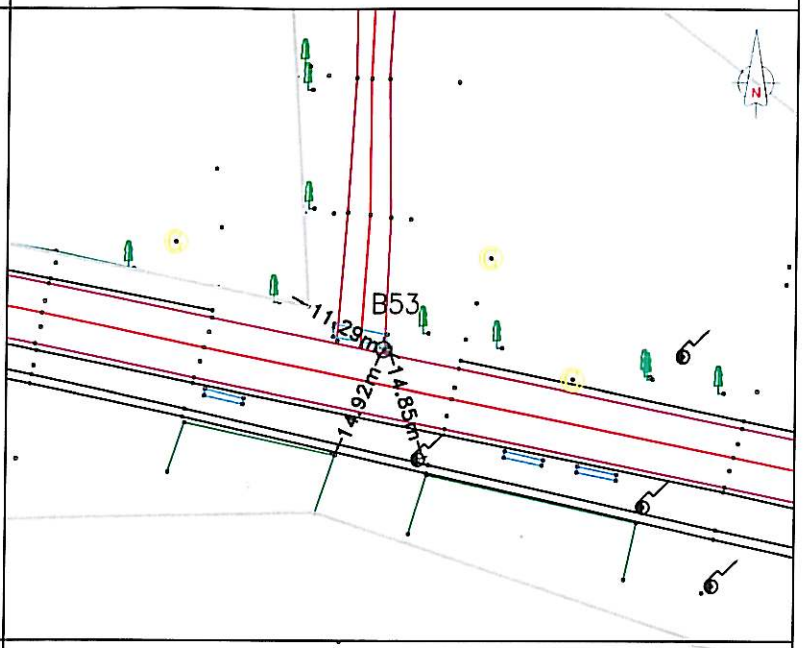
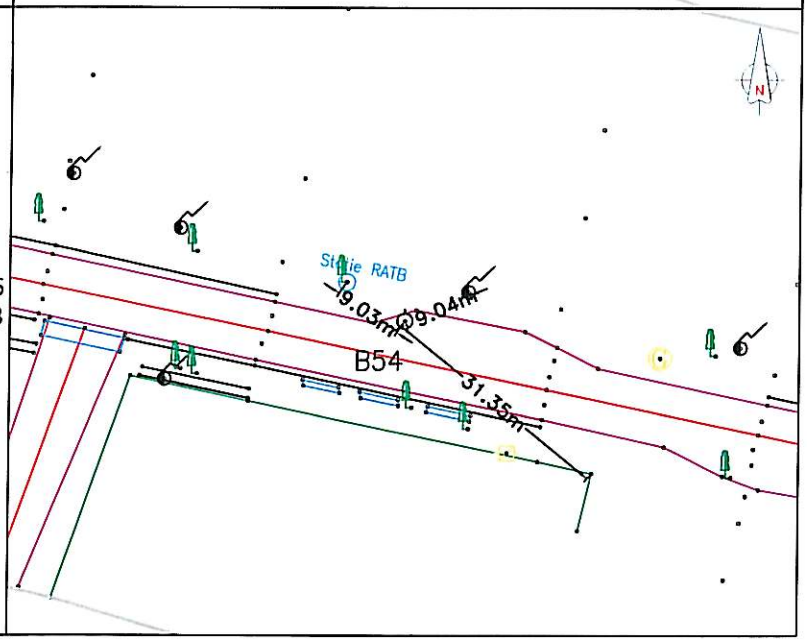
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
51	Cui metalic pozitionat pe marginea drumului spre Cernica	B51	Cui metalic	X = 327842.113 Y = 598572.592 H = 70.270	
52	Cui metalic pozitionat pe marginea drumului spre Cernica	B52	Cui metalic	X = 327801.727 Y = 598722.991 H = 70.100	

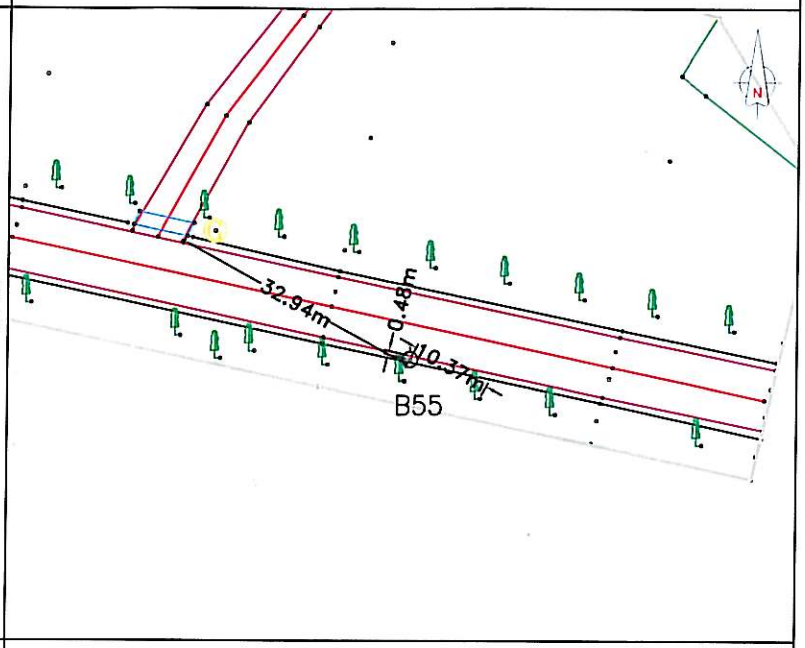
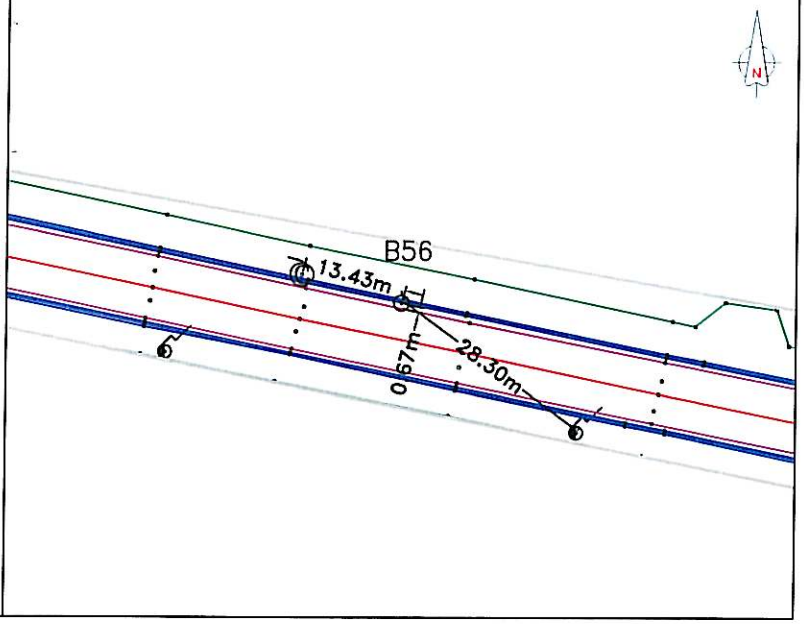
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
53	Cui metalic pozitionat pe marginea drumului spre Cernica	B53	Cui metalic	X = 327767.405 Y = 598938.734 H = 69.820	
54	Cui metalic pozitionat pe marginea drumului spre Cernica	B54	Cui metalic	X = 327724.466 Y = 599147.033 H = 69.250	

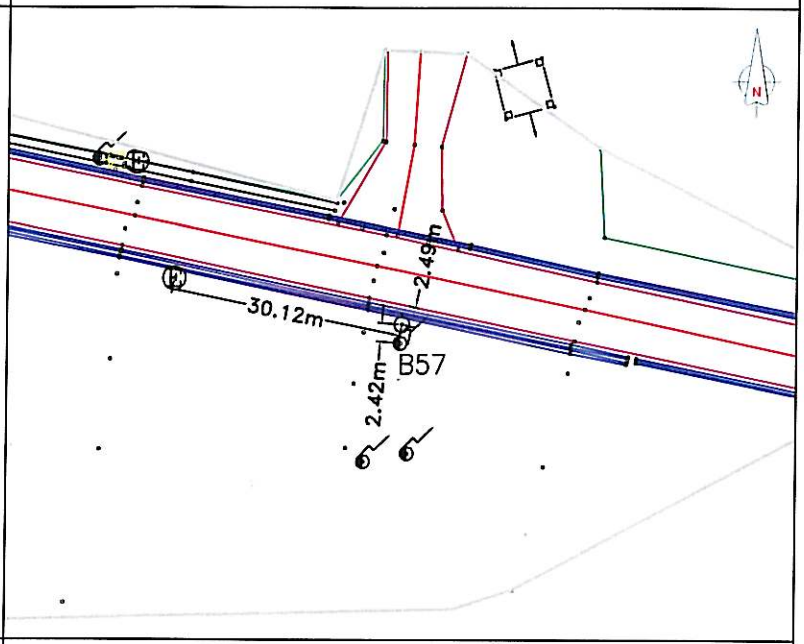
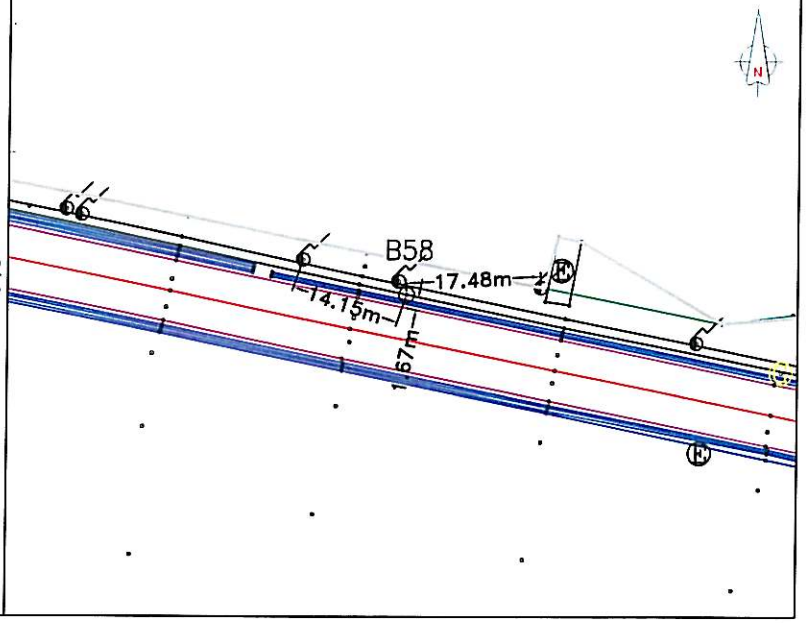
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
55	Cui metalic pozitionat pe marginea drumului spre Cernica	B55	Cui metalic	X = 327657.712 Y = 599417.872 H = 68.780	
56	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B56	Cui metalic	X = 327889.951 Y = 598342.401 H = 70.580	

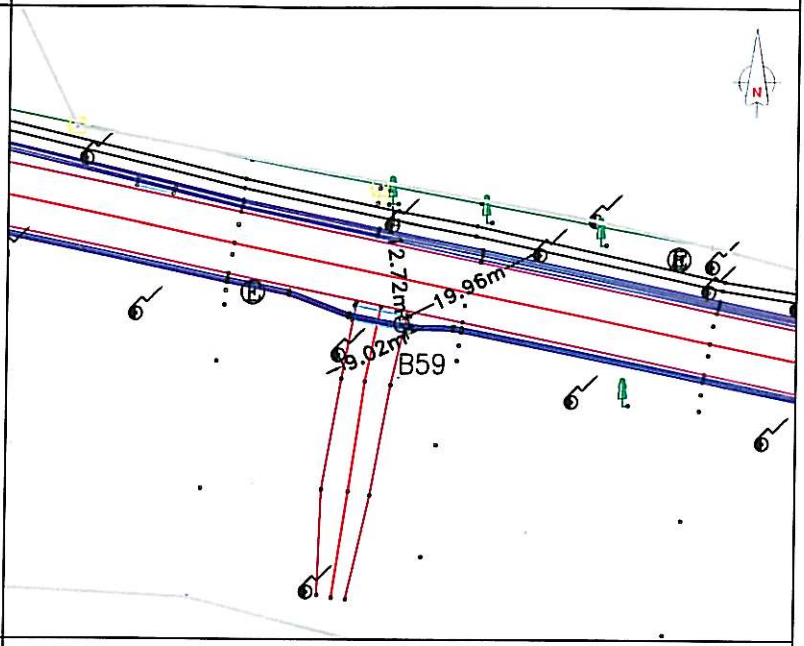
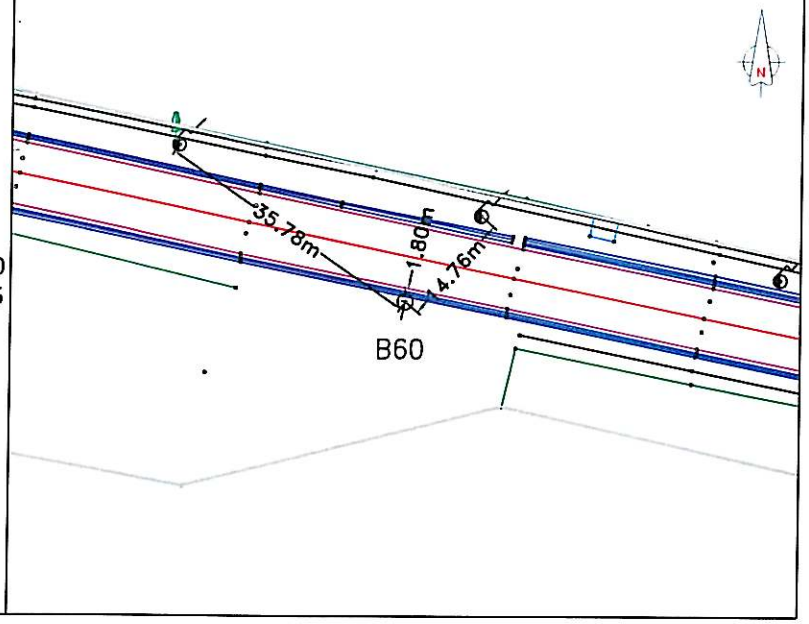
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
57	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B57	Cui metalic	X = 327909.532 Y = 598192.063 H = 71.630	
58	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B58	Cui metalic	X = 327956.192 Y = 598025.367 H = 71.540	

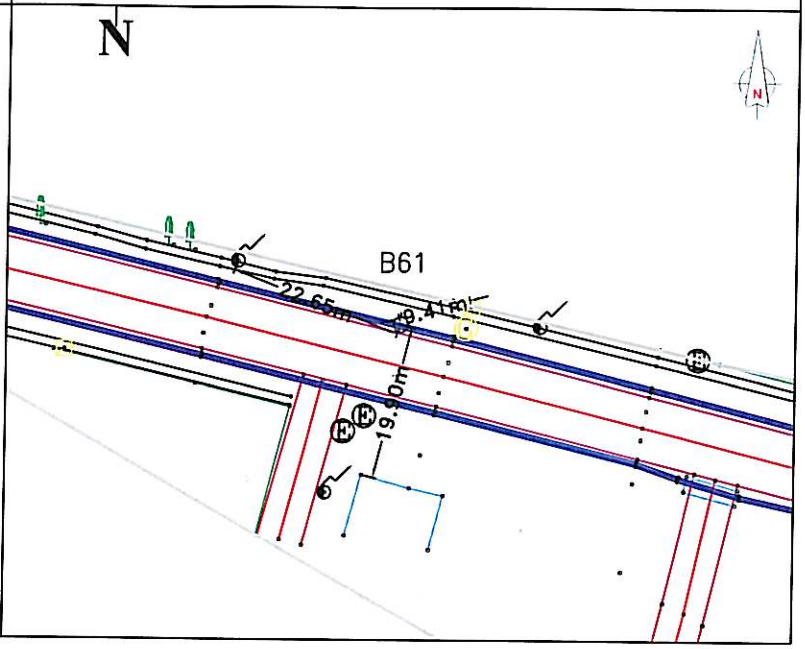
DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
59	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B59	Cui metalic	X = 327984.643 Y = 597829.200 H = 71.890	
60	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B60	Cui metalic	X = 328027.010 Y = 597623.385 H = 72.680	

DESCRIEREA PUNCTELOR RETELEI DE RIDICARE

Jud. Ilfov, Centura rutiera a Municipiului Bucuresti, sector DN2–A2

Nr. crt.	Pozitie	Reper St.Nr.	Modul materializarii	Coordonate (m)	Schita
61	Cui metalic pozitionat pe marginea drumului spre Pantelimon	B61	Cui metalic	X = 328084.904 Y = 597420.075 H = 74.270	

CERTIFICAT DE AUTORIZARE
MARCIN CORNEL
MLODIN
CATEGORIA D

Persoana juridica autorizata de ANCPI sa execute lucrari de cadastru, geodezie si cartografie
CERTIFICAT DE AUTORIZARE
Seria RO-B Nr. 0152
S.C. CONSITRANS S.R.L.
CLASA I

Tabel cu puncte masurate cu sistemul ROMPOS, proiect Centura Bucuresti

Anexa 15B

BAZA	PUNCT MASURAT	DATA SI ORA OBSERVATIEI	Varianta determinare	Tip solutie	X [m]	Y [m]	H [m]	Precizie pe X [m]	Precizie pe Y [m]	Precizie pe H [m]
BUCU	B1	19.09.2012 07:38:20	RTK Topo	PHASE_DIFF_FIXED	330820.647	598112.106	79.214	0.006	0.004	0.009
BUCU	B2	19.09.2012 07:41:28	RTK Topo	PHASE_DIFF_FIXED	330744.266	598139.008	78.100	0.006	0.004	0.007
BUCU	B3	19.09.2012 07:44:47	RTK Topo	PHASE_DIFF_FIXED	330623.660	598161.015	75.699	0.006	0.004	0.007
BUCU	B4	19.09.2012 07:52:22	RTK Topo	PHASE_DIFF_FIXED	330500.689	598196.893	75.300	0.008	0.005	0.009
BUCU	B5	19.09.2012 07:57:21	RTK Topo	PHASE_DIFF_FIXED	330361.082	598249.215	74.834	0.009	0.004	0.008
BUCU	B6	19.09.2012 08:06:12	RTK Topo	PHASE_DIFF_FIXED	330210.687	598304.075	74.082	0.007	0.003	0.006
BUCU	B7	19.09.2012 08:11:31	RTK Topo	PHASE_DIFF_FIXED	329980.694	598383.535	73.426	0.009	0.004	0.008
BUCU	B8	19.09.2012 08:16:59	RTK Topo	PHASE_DIFF_FIXED	329766.767	598445.165	73.150	0.009	0.005	0.009
BUCU	B9	19.09.2012 08:39:39	RTK Topo	PHASE_DIFF_FIXED	329589.673	598461.783	72.639	0.008	0.004	0.007
BUCU	B10	19.09.2012 08:49:27	RTK Topo	PHASE_DIFF_FIXED	329401.526	598464.131	73.177	0.007	0.004	0.006
BUCU	B11	19.09.2012 08:53:48	RTK Topo	PHASE_DIFF_FIXED	329260.653	598465.276	73.712	0.006	0.003	0.005
BUCU	B12	19.09.2012 08:58:13	RTK Topo	PHASE_DIFF_FIXED	329077.067	598467.621	74.170	0.007	0.005	0.005
BUCU	B13	19.09.2012 09:03:04	RTK Topo	PHASE_DIFF_FIXED	328879.340	598469.841	74.071	0.006	0.003	0.005
BUCU	B15	19.09.2012 09:18:53	RTK Topo	PHASE_DIFF_FIXED	328630.503	598483.510	72.769	0.005	0.004	0.005
BUCU	B14	19.09.2012 09:22:56	RTK Topo	PHASE_DIFF_FIXED	328688.090	598485.557	73.051	0.006	0.004	0.010
BUCU	B16	19.09.2012 09:33:17	RTK Topo	PHASE_DIFF_FIXED	328509.897	598469.227	71.673	0.006	0.004	0.010
BUCU	B17	19.09.2012 09:42:59	RTK Topo	PHASE_DIFF_FIXED	328341.596	598478.219	71.106	0.007	0.004	0.009
BUCU	B18	19.09.2012 09:46:06	RTK Topo	PHASE_DIFF_FIXED	328164.920	598478.921	70.668	0.008	0.005	0.017
BUCU	B19	19.09.2012 09:53:33	RTK Topo	PHASE_DIFF_FIXED	327993.405	598478.818	70.401	0.006	0.004	0.006
BUCU	B20	19.09.2012 10:01:24	RTK Topo	PHASE_DIFF_FIXED	327852.834	598461.392	69.846	0.006	0.005	0.006
BUCU	B21	19.09.2012 10:08:09	RTK Topo	PHASE_DIFF_FIXED	327674.612	598457.256	67.554	0.006	0.005	0.007
BUCU	B22	19.09.2012 10:13:29	RTK Topo	PHASE_DIFF_FIXED	327450.416	598457.855	65.671	0.005	0.005	0.005
BUCU	B23	19.09.2012 10:20:29	RTK Topo	PHASE_DIFF_FIXED	327275.998	598445.708	63.444	0.006	0.004	0.005
BUCU	B24	19.09.2012 10:23:29	RTK Topo	PHASE_DIFF_FIXED	327134.103	598442.337	62.685	0.005	0.004	0.005
BUCU	B25	19.09.2012 10:28:48	RTK Topo	PHASE_DIFF_FIXED	326943.946	598444.978	62.360	0.005	0.004	0.005
BUCU	B26	19.09.2012 10:42:00	RTK Topo	PHASE_DIFF_FIXED	326776.679	598428.305	62.591	0.004	0.003	0.005
BUCU	B27	19.09.2012 10:54:24	RTK Topo	PHASE_DIFF_FIXED	326668.116	598440.698	62.184	0.004	0.003	0.005
BUCU	B28	19.09.2012 11:03:12	RTK Topo	PHASE_DIFF_FIXED	326440.997	598426.383	63.994	0.004	0.003	0.006
BUCU	B29	19.09.2012 11:08:29	RTK Topo	PHASE_DIFF_FIXED	326255.351	598446.343	66.115	0.004	0.003	0.005

BAZA	PUNCT MASURAT	DATA SI ORA OBSERVATIEI	Varianta determinare	Tip solutie	X [m]	Y [m]	H [m]	Precizie pe X [m]	Precizie pe Y [m]	Precizie pe H [m]
BUCU	B30	19.09.2012 11:14:32	RTK Topo	PHASE_DIFF_FIXED	326108.180	598444.515	66.645	0.004	0.003	0.005
BUCU	B31	19.09.2012 11:28:00	RTK Topo	PHASE_DIFF_FIXED	325818.426	598511.084	69.865	0.005	0.003	0.007
BUCU	B32	19.09.2012 11:31:07	RTK Topo	PHASE_DIFF_FIXED	325604.830	598574.010	80.315	0.005	0.003	0.006
BUCU	B33	19.09.2012 11:32:59	RTK Topo	PHASE_DIFF_FIXED	325518.188	598572.299	81.662	0.006	0.003	0.008
BUCU	B34	19.09.2012 11:34:30	RTK Topo	PHASE_DIFF_FIXED	325420.815	598564.101	80.238	0.005	0.003	0.005
BUCU	B35	19.09.2012 11:38:38	RTK Topo	PHASE_DIFF_FIXED	325164.762	598517.615	69.430	0.005	0.003	0.005
BUCU	B36	19.09.2012 11:43:33	RTK Topo	PHASE_DIFF_FIXED	324952.700	598537.663	67.687	0.005	0.003	0.006
BUCU	B37	19.09.2012 11:54:45	RTK Topo	PHASE_DIFF_FIXED	324658.963	598560.472	65.974	0.004	0.003	0.004
BUCU	B38	19.09.2012 11:57:28	RTK Topo	PHASE_DIFF_FIXED	324575.046	598543.347	66.083	0.004	0.003	0.004
BUCU	B39	19.09.2012 12:01:06	RTK Topo	PHASE_DIFF_FIXED	324413.967	598521.170	65.813	0.004	0.003	0.004
BUCU	B40	19.09.2012 12:03:35	RTK Topo	PHASE_DIFF_FIXED	324290.764	598505.650	65.690	0.004	0.003	0.004
BUCU	B41	19.09.2012 12:08:40	RTK Topo	PHASE_DIFF_FIXED	324107.984	598471.866	64.800	0.004	0.002	0.004
BUCU	B42	19.09.2012 12:11:36	RTK Topo	PHASE_DIFF_FIXED	323964.597	598466.907	63.981	0.004	0.003	0.004
BUCU	B43	19.09.2012 12:19:15	RTK Topo	PHASE_DIFF_FIXED	323730.232	598383.406	61.283	0.004	0.002	0.003
BUCU	B44	19.09.2012 12:26:11	RTK Topo	PHASE_DIFF_FIXED	323653.852	598353.981	60.336	0.004	0.002	0.003
BUCU	B45	19.09.2012 12:32:30	RTK Topo	PHASE_DIFF_FIXED	323515.682	598274.438	58.500	0.004	0.002	0.003
BUCU	B46	19.09.2012 12:38:43	RTK Topo	PHASE_DIFF_FIXED	323665.415	598461.946	64.767	0.004	0.002	0.003
BUCU	B47	19.09.2012 12:42:48	RTK Topo	PHASE_DIFF_FIXED	323805.264	598475.778	69.995	0.004	0.002	0.003
BUCU	B48	19.09.2012 12:48:24	RTK Topo	PHASE_DIFF_FIXED	323769.673	598348.718	70.648	0.004	0.003	0.004
BUCU	B49	19.09.2012 12:50:01	RTK Topo	PHASE_DIFF_FIXED	323755.141	598286.350	69.980	0.004	0.003	0.004
BUCU	B50	19.09.2012 12:58:39	RTK Topo	PHASE_DIFF_FIXED	323965.483	598464.712	64.070	0.005	0.003	0.004

ANEXA 15a

FISA DE MASURATORI PRIN TEHNOLOGIE GPS

Coordonatele punctelor comune (elipsoid WGS 84 sau GRS80)

PCT	X_W	Y_W	Z_W	B_W	L_W	H_W
BUCU				44°27'50.19198"N	26°07'32.65012"E	143.206
B1				44°28'13.54427"N	26°13'53.89846"E	114.367
B2				44°28'11.05671"N	26°13'55.06277"E	113.260
B3				44°28'07.13896"N	26°13'55.97497"E	110.846
B4				44°28'03.13773"N	26°13'57.51302"E	110.442
B5				44°27'58.58947"N	26°13'59.78337"E	109.999
B6				44°27'53.69047"N	26°14'02.16097"E	109.276
B7				44°27'46.20080"N	26°14'05.59610"E	108.617
B8				44°27'39.24038"N	26°14'08.23565"E	108.358
B9				44°27'33.49542"N	26°14'08.86464"E	107.827
B10				44°27'27.39950"N	26°14'08.84053"E	108.377
B11				44°27'22.83554"N	26°14'08.79476"E	108.935
B12				44°27'16.88737"N	26°14'08.77368"E	109.395
B13				44°27'10.48117"N	26°14'08.73716"E	109.285
B14				44°27'04.27814"N	26°14'09.31547"E	108.295
B15				44°27'02.41367"N	26°14'09.18306"E	107.989
B16				44°26'58.51389"N	26°14'08.45359"E	106.965
B17				44°26'53.05755"N	26°14'08.74374"E	106.394
B18				44°26'47.33403"N	26°14'08.65312"E	105.974
B19				44°26'41.77809"N	26°14'08.52973"E	105.674
B20				44°26'37.23312"N	26°14'07.64445"E	105.152
B21				44°26'31.46192"N	26°14'07.33409"E	102.872
B22				44°26'24.19910"N	26°14'07.20603"E	100.994
B23				44°26'18.55509"N	26°14'06.53613"E	98.794
B24				44°26'13.96027"N	26°14'06.28556"E	98.042
B25				44°26'07.79908"N	26°14'06.27342"E	97.713
B26				44°26'02.38896"N	26°14'05.40393"E	97.942
B27				44°25'58.86607"N	26°14'05.88914"E	97.498
B28				44°25'51.51595"N	26°14'05.08491"E	99.371
B29				44°25'45.49232"N	26°14'05.85888"E	101.482
B30				44°25'40.72582"N	26°14'05.67447"E	102.020
B31				44°25'31.30665"N	26°14'08.48327"E	105.275
B32				44°25'24.35630"N	26°14'11.17993"E	115.727
BUCU				44°27'50.19198"N	26°07'32.65012"E	143.206
B33				44°25'21.55050"N	26°14'11.04257"E	117.132
B34				44°25'18.40030"N	26°14'10.60461"E	115.697
B35				44°25'10.12886"N	26°14'08.32628"E	104.893
B36				44°25'03.24947"N	26°14'09.08572"E	103.145
B37				44°24'53.72295"N	26°14'09.91338"E	101.481
B38				44°24'51.01306"N	26°14'09.08136"E	101.586
B39				44°24'45.80612"N	26°14'07.96768"E	101.315
B40				44°24'41.82282"N	26°14'07.18110"E	101.212
B41				44°24'35.91864"N	26°14'05.52798"E	100.323
B42				44°24'31.27627"N	26°14'05.20479"E	99.521
B43				44°24'23.72567"N	26°14'01.26953"E	96.835
B44				44°24'21.26599"N	26°13'59.88714"E	95.900
B45				44°24'16.82947"N	26°13'56.19751"E	94.089
B46				44°24'21.58713"N	26°14'04.77388"E	100.317
B47				44°24'26.11050"N	26°14'05.49557"E	105.549
B48				44°24'25.02046"N	26°13'59.72924"E	106.224
B49				44°24'24.58056"N	26°13'56.90086"E	105.536
B50				44°24'31.30606"N	26°14'05.10621"E	99.621
B51				44°26'36.83068"N	26°14'12.66525"E	105.61
B52				44°26'35.44774"N	26°14'19.43792"E	105.44
B53				44°26'34.22858"N	26°14'29.16939"E	105.158
B54				44°26'32.73377"N	26°14'38.55815"E	104.587
B55				44°26'30.43600"N	26°14'50.75796"E	104.116
B56				44°26'38.49442"N	26°14'02.28959"E	105.922
B57				44°26'39.20310"N	26°13'55.50509"E	106.973
B58				44°26'40.79692"N	26°13'47.99953"E	106.884
B59				44°26'41.81526"N	26°13'39.14867"E	107.235

B60				44°26'43.28894"N	26°13'29.87100"E	108.027
B61				44°26'45.26416"N	26°13'20.71710"E	109.617

Coordonatele punctelor comune (elipsoid Krasovski 1940)

PCT	XS	YS	HN	NK	LW	HW	XK	YK	ZK

Parametri de transformare Helmert (XYZ) (K) - - (XYZ) (W) si precizia de determinare a lor

dx	dy	dz	m	rx	ry	rz
s(dx)	s(dy)	s(dz)	s(m)	s(rx)	s(ry)	s(rz)
TransDatRO 4.04						
-2.3283	147.0416	92.0802	-5.68907711	-0.30924979	0.32482188	0.4973

Coordonatele punctelor noi (elipsoid WGS 84 sau GRS 80) si precizii

PCT	XW	S(XW)	YW	S(YW)	ZW	S(ZW)
PCT	B_W	$S_{(BW)}$	L_W	$S_{(LW)}$	H_W	$S_{(HW)}$
B1	44°28'13.54427"N	0.006	26°13'53.89846"E	0.003	114.367	0.005
B2	44°28'11.05671"N	0.003	26°13'55.06277"E	0.003	113.26	0.006
B3	44°28'07.13896"N	0.003	26°13'55.97497"E	0.001	110.846	0.007
B4	44°28'03.13773"N	0.004	26°13'57.51302"E	0.005	110.442	0.003
B5	44°27'58.58947"N	0.007	26°13'59.78337"E	0.001	109.999	0.003
B6	44°27'53.69047"N	0.003	26°14'02.16097"E	0.005	109.276	0.001
B7	44°27'46.20080"N	0.006	26°14'05.59610"E	0.008	108.617	0.002
B8	44°27'39.24038"N	0.010	26°14'08.23565"E	0.004	108.358	0.007
B9	44°27'33.49542"N	0.003	26°14'08.86464"E	0.005	107.827	0.007
B10	44°27'27.39950"N	0.003	26°14'08.84053"E	0.005	108.377	0.003
B11	44°27'22.83554"N	0.004	26°14'08.79476"E	0.006	108.935	0.007
B12	44°27'16.88737"N	0.004	26°14'08.77368"E	0.005	109.395	0.007
B13	44°27'10.48117"N	0.006	26°14'08.73716"E	0.002	109.285	0.002
B14	44°27'04.27814"N	0.003	26°14'09.31547"E	0.006	108.295	0.005
B15	44°27'02.41367"N	0.005	26°14'09.18306"E	0.004	107.989	0.003
B16	44°26'58.51389"N	0.002	26°14'08.45359"E	0.006	106.965	0.003
B17	44°26'53.05755"N	0.005	26°14'08.74374"E	0.003	106.394	0.003
B18	44°26'47.33403"N	0.004	26°14'08.65312"E	0.009	105.974	0.002
B19	44°26'41.77809"N	0.004	26°14'08.52973"E	0.006	105.674	0.002
B20	44°26'37.23312"N	0.005	26°14'07.64445"E	0.004	105.152	0.004
B21	44°26'31.46192"N	0.006	26°14'07.33409"E	0.006	102.872	0.004
B22	44°26'24.19910"N	0.006	26°14'07.20603"E	0.005	100.994	0.005
B23	44°26'18.55509"N	0.006	26°14'06.53613"E	0.007	98.794	0.004
B24	44°26'13.96027"N	0.005	26°14'06.28556"E	0.004	98.042	0.007
B25	44°26'07.79908"N	0.006	26°14'06.27342"E	0.003	97.713	0.003
B26	44°26'02.38896"N	0.007	26°14'05.40393"E	0.006	97.942	0.002
B27	44°25'58.86607"N	0.001	26°14'05.88914"E	0.006	97.498	0.005
B28	44°25'51.51595"N	0.006	26°14'05.08491"E	0.007	99.371	0.003
B29	44°25'45.49232"N	0.006	26°14'05.85888"E	0.005	101.482	0.007
B30	44°25'40.72582"N	0.003	26°14'05.67447"E	0.005	102.020	0.006
B31	44°25'31.30665"N	0.006	26°14'08.48327"E	0.008	105.275	0.009
B32	44°25'24.35630"N	0.006	26°14'11.17993"E	0.001	115.727	0.003
B33	44°25'21.55050"N	0.003	26°14'11.04257"E	0.005	117.132	0.004
B34	44°25'18.40030"N	0.004	26°14'10.60461"E	0.007	115.697	0.003
B35	44°25'10.12886"N	0.005	26°14'08.32628"E	0.006	104.893	0.005
B36	44°25'03.24947"N	0.004	26°14'09.08572"E	0.003	103.145	0.005
B37	44°24'53.72295"N	0.002	26°14'09.91338"E	0.001	101.481	0.005
B38	44°24'51.01306"N	0.006	26°14'09.08136"E	0.005	101.586	0.002
B39	44°24'45.80612"N	0.002	26°14'07.96768"E	0.005	101.315	0.008
B40	44°24'41.82282"N	0.003	26°14'07.18110"E	0.003	101.212	0.007
B41	44°24'35.91864"N	0.004	26°14'05.52798"E	0.004	100.323	0.004
B42	44°24'31.27627"N	0.005	26°14'05.20479"E	0.008	99.521	0.001
B43	44°24'23.72567"N	0.004	26°14'01.26953"E	0.005	96.835	0.006
B44	44°24'21.26599"N	0.005	26°13'59.88714"E	0.003	95.900	0.002
B45	44°24'16.82947"N	0.002	26°13'56.19751"E	0.006	94.089	0.005

B46	44°24'21.58713"N	0.007	26°14'04.77388"E	0.002	100.317	0.004
B47	44°24'26.11050"N	0.003	26°14'05.49557"E	0.002	105.549	0.006
B48	44°24'25.02046"N	0.001	26°13'59.72924"E	0.005	106.224	0.003
B49	44°24'24.58056"N	0.003	26°13'56.90086"E	0.003	105.536	0.001
B50	44°24'31.30606"N	0.001	26°14'05.10621"E	0.002	99.621	0.006
B51	44°26'36.83068"N	0.005	26°14'12.66525"E	0.002	105.61	0.005
B52	44°26'35.44774"N	0.004	26°14'19.43792"E	0.001	105.44	0.001
B53	44°26'34.22858"N	0.005	26°14'29.16939"E	0.005	105.158	0.003
B54	44°26'32.73377"N	0.004	26°14'38.55815"E	0.004	104.587	0.005
B55	44°26'30.43600"N	0.007	26°14'50.75796"E	0.003	104.116	0.003
B56	44°26'38.49442"N	0.006	26°14'02.28959"E	0.003	105.922	0.005
B57	44°26'39.20310"N	0.004	26°13'55.50509"E	0.001	106.973	0.004
B58	44°26'40.79692"N	0.005	26°13'47.99953"E	0.005	106.884	0.006
B59	44°26'41.81526"N	0.002	26°13'39.14867"E	0.005	107.235	0.002
B60	44°26'43.28894"N	0.003	26°13'29.87100"E	0.010	108.027	0.003
B61	44°26'45.26416"N	0.003	26°13'20.71710"E	0.007	109.617	0.006

Coordonatele punctelor noi (elipsoid Krasovski 1940 si/sau plan de proiectie) si precizii

PCT	XK	YK	ZK	BK	LK	HK

PCT	X_S	$S_{(XS)}$	Y_S	$S_{(YS)}$	N_K	H_N	$S_{(HN)}$
B1	330820.647	0.003	598112.106	0.005		79.179	0.002
B2	330744.266	0.005	598139.009	0.006		78.071	0.003
B3	330623.66	0.002	598161.015	0.005		75.652	0.006
B4	330500.689	0.003	598196.893	0.002		75.242	0.007
B5	330361.082	0.006	598249.215	0.005		74.788	0.005
B6	330210.687	0.005	598304.075	0.002		74.056	0.002
B7	329980.694	0.003	598383.535	0.004		73.386	0.005
B8	329766.767	0.003	598445.165	0.002		73.117	0.002
B9	329589.673	0.005	598461.783	0.002		72.577	0.004
B10	329401.526	0.003	598464.131	0.006		73.122	0.006
B11	329260.653	0.006	598465.276	0.007		73.666	0.002
B12	329077.067	0.004	598467.621	0.010		74.123	0.004
B13	328879.340	0.004	598469.841	0.006		74.004	0.005
B14	328688.091	0.006	598485.557	0.002		72.999	0.003
B15	328630.503	0.002	598483.511	0.001		72.686	0.006
B16	328509.897	0.003	598469.227	0.004		71.660	0.001
B17	328341.596	0.002	598478.220	0.004		71.077	0.007
B18	328164.920	0.006	598478.921	0.005		70.645	0.005
B19	327993.405	0.002	598478.818	0.003		70.340	0.005
B20	327852.834	0.004	598461.392	0.006		69.809	0.007
B21	327674.612	0.004	598457.256	0.005		67.518	0.003
B22	327450.416	0.002	598457.855	0.007		65.625	0.005
B23	327275.998	0.007	598445.708	0.004		63.416	0.006
B24	327134.103	0.005	598442.337	0.005		62.661	0.004
B25	326943.946	0.004	598444.978	0.006		62.324	0.007
B26	326776.679	0.002	598428.305	0.004		62.542	0.004
B27	326668.116	0.005	598440.698	0.003		62.091	0.005
B28	326440.997	0.004	598426.383	0.005		63.953	0.002
B29	326255.351	0.002	598446.343	0.001		66.046	0.001
B30	326108.180	0.006	598444.515	0.007		66.584	0.004
B31	325818.426	0.003	598511.084	0.003		69.819	0.003
B32	325604.830	0.003	598574.011	0.003		80.260	0.004
B33	325518.188	0.002	598572.299	0.007		81.659	0.001
B34	325420.815	0.003	598564.101	0.004		80.218	0.003
B35	325164.762	0.005	598517.615	0.006		69.404	0.006
B36	324952.700	0.004	598537.663	0.007		67.638	0.003
B37	324658.963	0.002	598560.472	0.005		65.964	0.007
B38	324575.046	0.004	598543.347	0.001		66.057	0.003
B39	324413.967	0.005	598521.170	0.006		65.784	0.004
B40	324290.764	0.002	598505.650	0.005		65.672	0.002
B41	324107.984	0.004	598471.866	0.005		64.770	0.006
B42	323964.597	0.004	598466.907	0.006		63.958	0.001
B43	323730.232	0.006	598383.406	0.004		61.259	0.002
B44	323653.852	0.007	598353.981	0.005		60.322	0.006

B45	323515.682	0.004	598274.439	0.001		58.500	0.006
B46	323665.415	0.005	598461.946	0.001		64.738	0.005
B47	323805.264	0.004	598475.778	0.006		69.977	0.008
B48	323769.673	0.002	598348.718	0.004		70.646	0.006
B49	323755.141	0.007	598286.350	0.002		69.956	0.001
B50	323965.483	0.005	598464.712	0.002		64.061	0.007
B51	327842.113	0.002	598572.592	0.005		70.270	0.006
B52	327801.727	0.004	598722.991	0.004		70.100	0.003
B53	327767.405	0.001	598938.734	0.005		69.820	0.004
B54	327724.466	0.004	599147.033	0.004		69.250	0.002
B55	327657.712	0.001	599417.872	0.005		68.780	0.007
B56	327889.951	0.007	598342.401	0.003		70.580	0.005
B57	327909.532	0.002	598192.063	0.002		71.630	0.007
B58	327956.192	0.006	598025.367	0.004		71.540	0.003
B59	327984.643	0.004	597829.200	0.003		71.890	0.006
B60	328027.010	0.002	597623.385	0.006		72.680	0.005
B61	328084.904	0.001	597420.075	0.002		74.270	0.005





Nivelement geometric sistem de cote Marea Neagra 1975
Nivela LEICA DNA03
Reper de nivelment Pasarea H=76.536 m

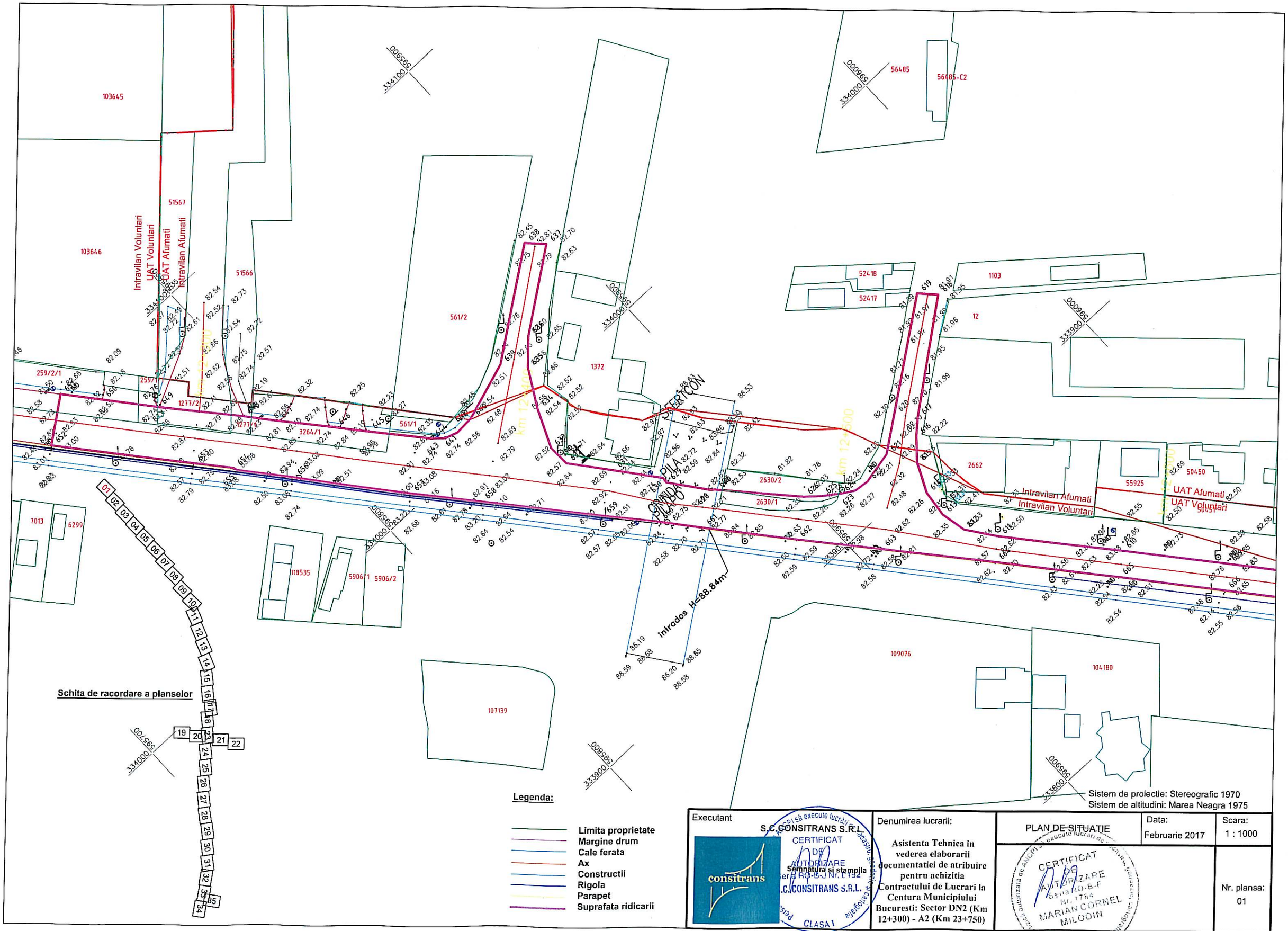
Punct	Citire Inapoi	Citire Inainte	Δh	Cota
B1	1.32781			79.179
X	0.90079	1.72763	-0.400	78.779
B2	0.77803	1.60939	-0.709	78.071
X	0.90751	1.68668	-0.909	77.162
B3	1.5554	2.41788	-1.510	75.652
X	1.31489	1.55989	-0.004	75.647
X	1.23239	1.43909	-0.124	75.523
B4	1.31039	1.51315	-0.281	75.242
X	1.34263	1.43445	-0.124	75.118
X	1.25444	1.36642	-0.024	75.094
B5	1.37212	1.56044	-0.306	74.788
X	1.30301	1.51475	-0.143	74.646
X	1.30529	1.42644	-0.123	74.522
X	1.30819	1.43639	-0.131	74.391
B6	1.62097	1.6434	-0.335	74.056
X	1.19035	1.55068	0.070	74.126
X	1.35639	1.39589	-0.206	73.921
X	1.35694	1.55212	-0.196	73.725
X	1.36419	1.52422	-0.167	73.558
B7	1.63352	1.53568	-0.171	73.386
X	1.46255	1.5598	0.074	73.460
X	1.48793	1.54494	-0.082	73.377
X	1.44451	1.46325	0.025	73.402
X	1.42275	1.5049	-0.060	73.342
B8	1.61294	1.64721	-0.224	73.117
X	1.43973	1.57522	0.038	73.155
X	1.40587	1.57423	-0.135	73.021
X	1.3877	1.60809	-0.202	72.818
B9	1.45534	1.62904	-0.241	72.577
X	1.48173	1.53207	-0.077	72.500
X	1.57718	1.44577	0.036	72.536
X	1.62072	1.38386	0.193	72.730
X	1.61046	1.35784	0.263	72.992
B10	1.5995	1.48122	0.129	73.122
X	1.61424	1.29307	0.306	73.428
X	1.58918	1.40352	0.211	73.639
B11	1.63591	1.56192	0.027	73.666
X	1.61504	1.40167	0.234	73.900
X	1.64966	1.57737	0.038	73.938
X	1.48826	1.56495	0.085	74.023
B12	1.64999	1.38789	0.100	74.123
X	1.40851	1.58671	0.063	74.186
X	1.50767	1.28279	0.126	74.312
X	1.20052	1.47688	0.031	74.343
B13	1.37826	1.53968	-0.339	74.004
X	1.47325	1.46506	-0.087	73.917
X	1.37091	1.71037	-0.237	73.680
X	1.34989	1.67331	-0.302	73.377
B14	1.4349	1.72817	-0.378	72.999
B15	1.04199	1.7481	-0.313	72.686
X	1.3981	1.76303	-0.721	71.965
X	1.42582	1.26971	0.128	72.093
B16	1.49251	1.85875	-0.433	71.660
X	0.97556	1.62712	-0.135	71.526
X	0.88726	1.14058	-0.165	71.361
B17	1.43789	1.17086	-0.284	71.077
X	1.3289	1.54607	-0.108	70.969
X	1.42292	1.51324	-0.184	70.785
X	1.35389	1.47729	-0.054	70.730
B18	1.41834	1.4389	-0.085	70.645
X	1.26467	1.47216	-0.054	70.591
X	1.35501	1.33642	-0.072	70.520
X	1.34141	1.40635	-0.051	70.468
B19	1.46409	1.46978	-0.128	70.340
X	1.46156	1.39382	0.070	70.410
X	1.13847	1.53414	-0.073	70.338
B20	1.34115	1.66708	-0.529	69.809
X	1.13728	1.75221	-0.411	69.398
X	1.18666	1.71525	-0.578	68.820
X	1.26441	1.75498	-0.568	68.252
B21	1.58586	1.99786	-0.733	67.518
X	1.17713	1.69429	-0.108	67.410
X	1.10329	1.7153	-0.538	66.872
X	1.04263	1.46477	-0.361	66.510
X	1.03684	1.47129	-0.429	66.081
B22	1.10436	1.49379	-0.457	65.624
X	1.17301	1.54176	-0.437	65.187
X	1.14662	1.74973	-0.577	64.610
X	1.18266	1.65228	-0.506	64.105
B23	1.36271	1.87197	-0.689	63.415
X	1.29534	1.55821	-0.196	63.220
X	1.34514	1.47412	-0.179	63.041
B24	1.63175	1.72508	-0.380	62.661
X	1.32306	1.48027	0.151	62.813
X	1.3386	1.45798	-0.135	62.678
X	1.3281	1.46298	-0.124	62.553
B25	1.33764	1.55794	-0.230	62.323
X	1.38839	1.36597	-0.028	62.295
X	1.30663	1.42441	-0.036	62.259
X	1.32667	1.36252	-0.056	62.203
B26	1.00945	0.98764	0.339	62.542
X	1.33852	1.3859	-0.376	62.166
X	1.3373	1.37873	-0.040	62.126
B27	1.63197	1.37226	-0.035	62.091

B27	1.63197	1.37226	-0.035	62.091
X	1.60113	1.28327	0.349	62.439
X	1.54225	1.23646	0.365	62.804
X	1.54511	1.20794	0.334	63.138
X	1.76497	1.31488	0.230	63.369
B28	1.76086	1.18083	0.584	63.953
X	1.57977	1.39607	0.365	64.318
X	1.56742	1.23002	0.350	64.667
X	1.93859	1.45237	0.115	64.782
B29	1.37883	0.67504	1.264	66.046
X	1.64584	1.16238	0.216	66.262
X	1.5768	1.25463	0.391	66.654
B30	2.12207	1.64616	-0.069	66.584
X	1.72646	1.17155	0.951	67.535
X	1.4918	0.96821	0.758	68.293
X	1.62832	1.24555	0.246	68.539
X	1.6612	1.24256	0.386	68.925
X	1.6568	1.34529	0.316	69.241
B31	2.22077	1.07853	0.578	69.819
X	2.26409	0.59705	1.624	71.443
X	2.2899	0.77822	1.486	72.929
X	2.12969	0.47453	1.815	74.744
X	2.27343	0.23875	1.891	76.635
X	2.28824	0.58626	1.687	78.322
B32	2.06701	0.35039	1.938	80.260
X	1.77874	0.97668	1.090	81.350
B33	1.55006	1.47049	0.308	81.659
X	0.65796	1.64067	-0.091	81.568
B34	1.0638	2.00765	-1.350	80.218
X	0.67688	2.2893	-1.226	78.993
X	0.72526	2.34053	-1.664	77.329
X	0.71669	2.23975	-1.514	75.815
X	0.71802	2.38329	-1.667	74.148
X	0.73299	2.22388	-1.506	72.642
X	0.74589	2.12742	-1.394	71.248
B35	1.08325	2.58976	-1.844	69.404
X	1.23725	1.84394	-0.761	68.643
X	1.27472	1.72806	-0.491	68.152
X	1.26088	1.51601	-0.241	67.911
B36	1.40201	1.53389	-0.273	67.638
X	1.27889	1.65999	-0.258	67.380
X	1.26878	1.54551	-0.267	67.114
X	1.36865	1.62438	-0.356	66.758
X	1.2616	1.49364	-0.125	66.633
X	1.52082	1.71857	-0.457	66.176
B37	1.74536	1.73317	-0.212	65.964
X	1.39637	1.79629	-0.051	65.913
B38	1.58104	1.2523	0.144	66.057
X	1.4026	1.56407	0.017	66.074
X	1.48172	1.52813	-0.126	65.948
B39	1.49526	1.64608	-0.164	65.784
X	1.42655	1.40654	0.089	65.873
B40	1.42926	1.62698	-0.200	65.672
X	1.16164	1.56432	-0.135	65.537
X	1.3599	1.65253	-0.491	65.046
X	1.43915	1.52042	-0.161	64.886
B41	1.30949	1.55541	-0.116	64.769
X	1.27012	1.52412	-0.215	64.555
X	1.19478	1.58837	-0.318	64.237
B42	1.46572	1.47337	-0.279	63.958
B50	1.31792	1.36304	0.103	64.061
X	0.97137	1.65974	-0.342	63.719
X	1.21356	1.86744	-0.896	62.823
X	1.12034	1.7142	-0.501	62.322
X	0.83382	1.8159	-0.696	61.627
B43	0.94133	1.20176	-0.368	61.259
B44	2.23324	1.87824	-0.937	60.322
X	2.29266	0.59102	1.642	61.964
X	2.19238	0.81097	1.482	63.446
B46	2.17938	0.89958	1.293	64.738
X	2.54103	0.68866	1.491	66.229
X	2.11842	0.21814	2.323	68.552
B47	1.8336	0.69373	1.425	69.977
X	1.53424	1.15869	0.675	70.652
X	1.3963	1.39356	0.141	70.792
B48	1.33125	1.54215	-0.146	70.646
X	1.28246	1.6206	-0.289	70.357
B49		1.68304	-0.401	69.956

Intocmit,
SC Consitrans SRL







Executant S.C.CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE Semnatura si stampila Seria RO-B-J Nr. 1192 S.C.CONSITRANS S.R.L. CLASA I	Denumirea lucrarii: **Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)**	PLAN DE SITUATIE	Data: Februarie 2017 Scara: 1 : 1000
		CERTIFICAT DE AUTORIZARE Seria RO-B-F Nr. 1784 MARIAN CORNEL MILODIN	Nr. plansa: 01

Intravilan Afumati

Intravilan Voluntari

UAT Afumati

UAT Voluntari

km 12+100

km 12+800

km 12+900

km 13+000

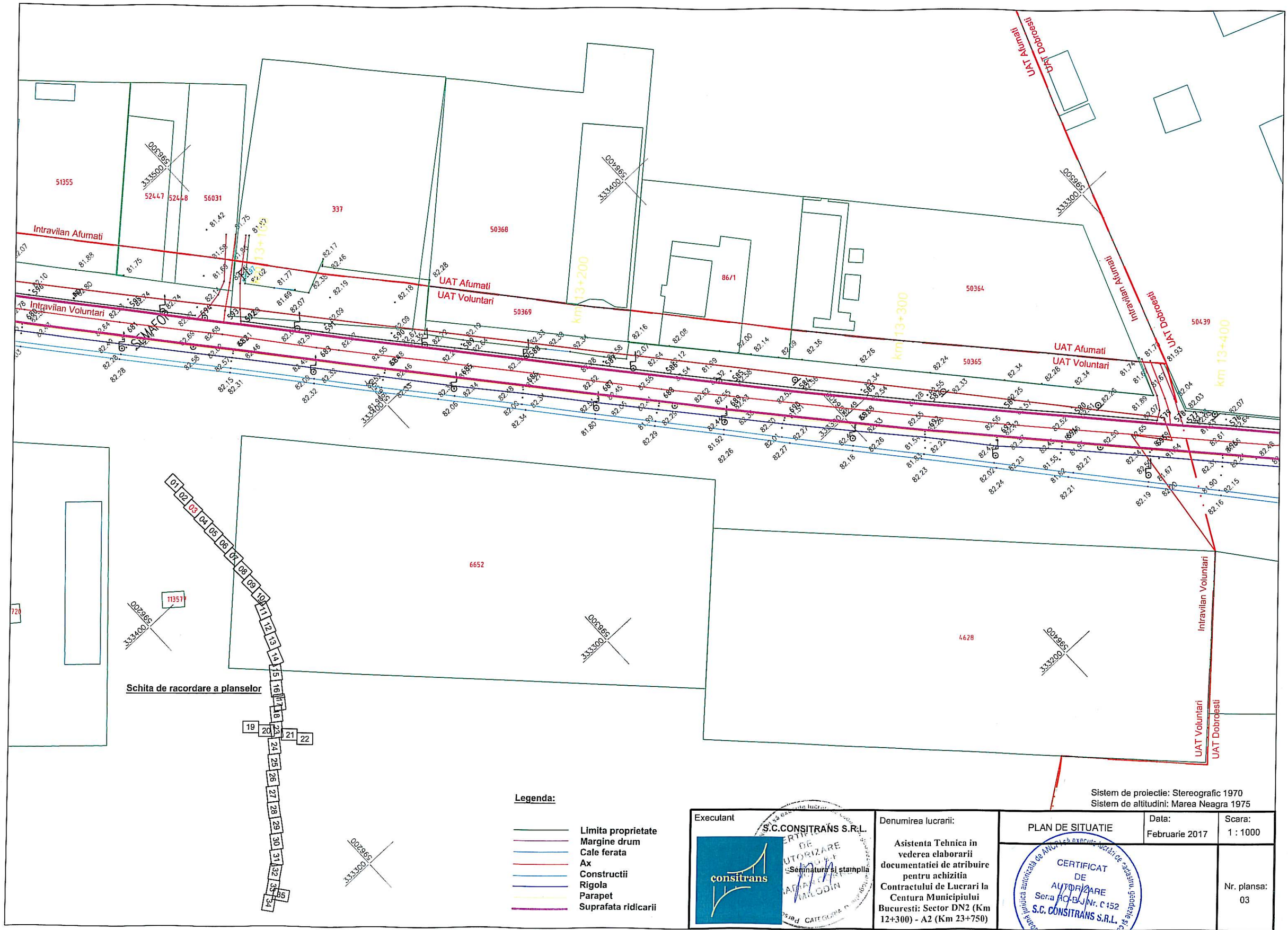
Schita de racordare a planselor

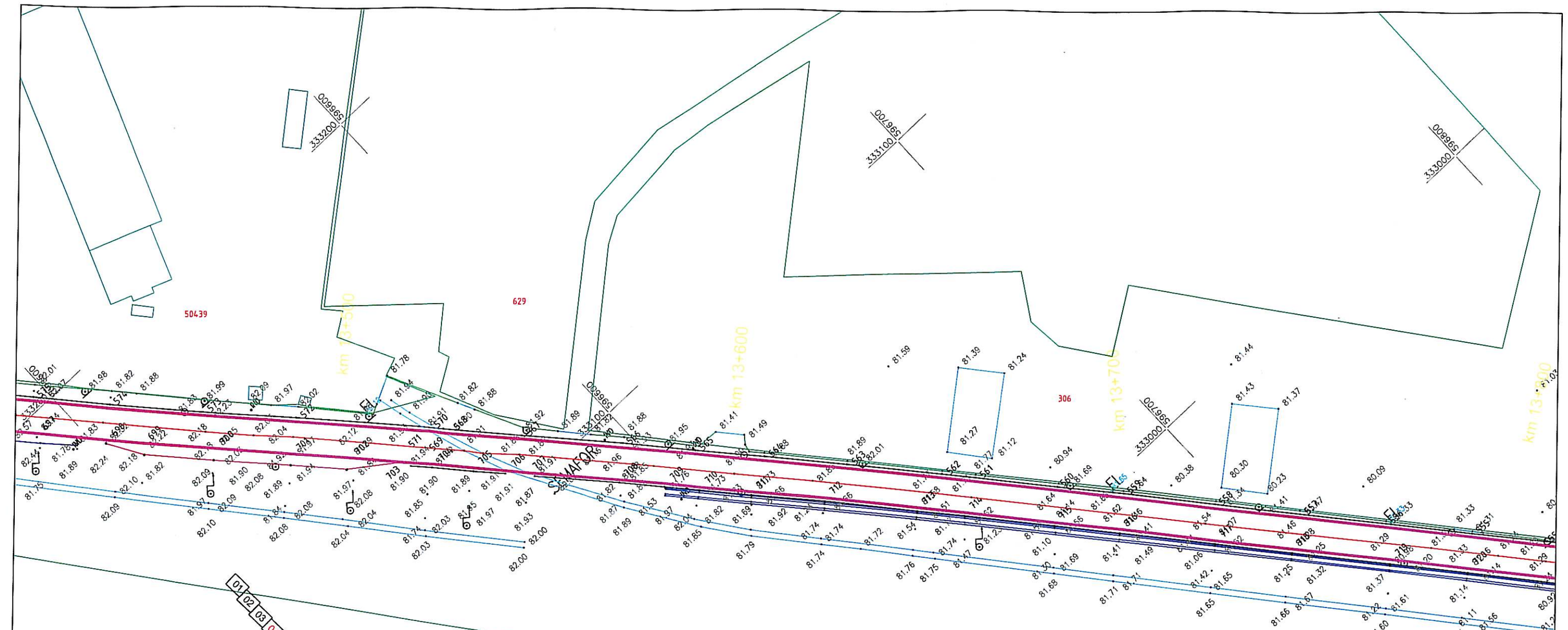
Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L. (Semnatura si stampila)	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 02


Intravilan Afumati
Intravilan Voluntari
UAT Afumati
UAT Voluntari
UAT Dobroesti
Intravilan Afumati
Intravilan Voluntari
UAT Voluntari
UAT Dobroesti
SEMAFOR
km 13+100
km 13+200
km 13+300
km 13+400
51355
52447
52448
56031
337
50368
86/1
50364
50369
50365
50439
6652
4628
113577
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 23 21 22 24 25 26 27 28 29 30 31 32 35 34
Schita de racordare a planselor
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975
Executant
S.C.CONSITRANS S.R.L.
consitrans
Semnatura si stampila
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
PLAN DE SITUATIE
Data: Februarie 2017
Scara: 1 : 1000
CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. C 152 S.C. CONSITRANS S.R.L.
Nr. plansa: 03

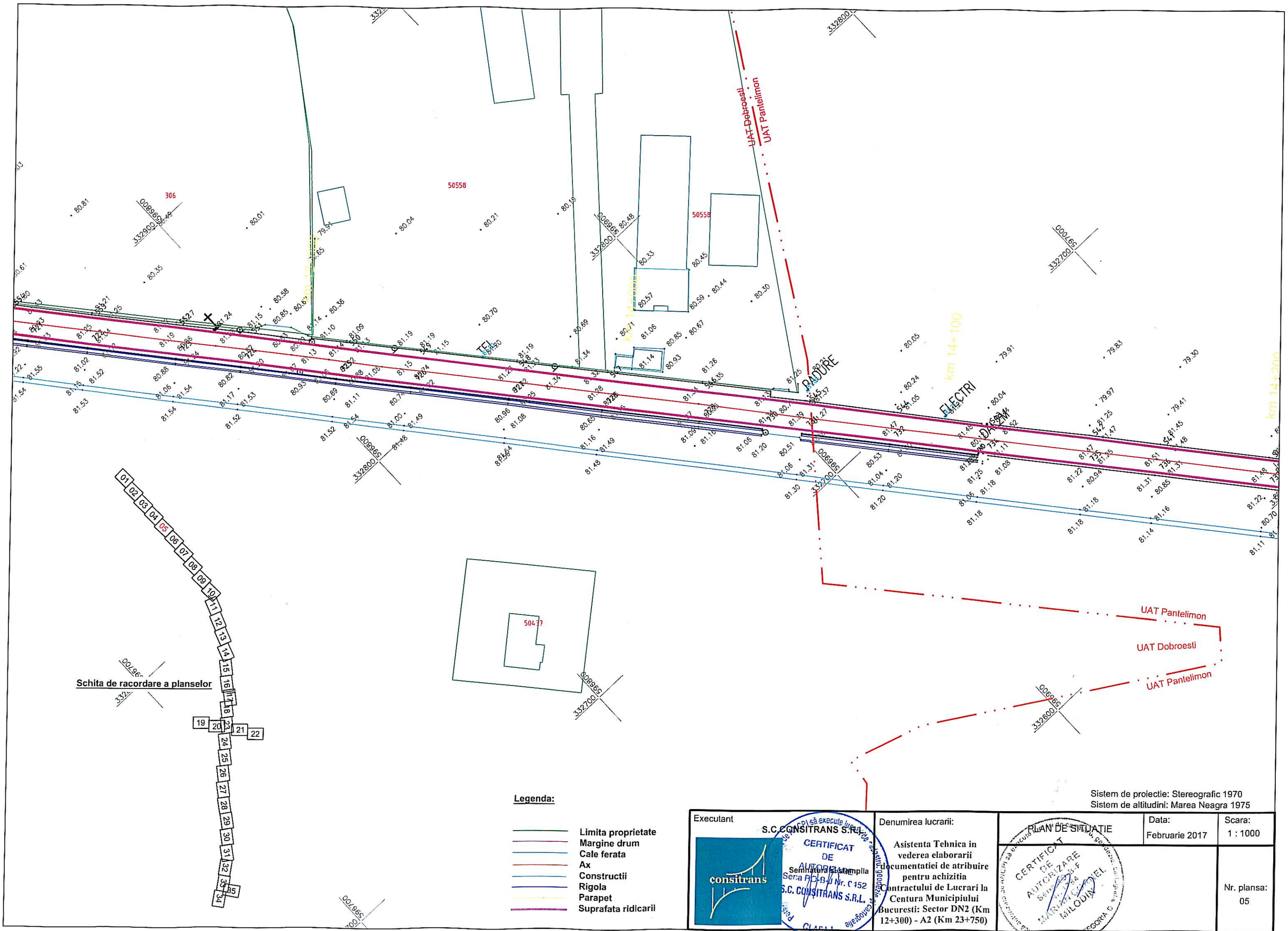


Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C. CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 04

CERTIFICAT DE AUTORIZARE Semnătura și ștampila S.C. CONSITRANS S.R.L. CLASA I

CERTIFICAT DE AUTORIZARE MARIAN CORNEL MILODIN



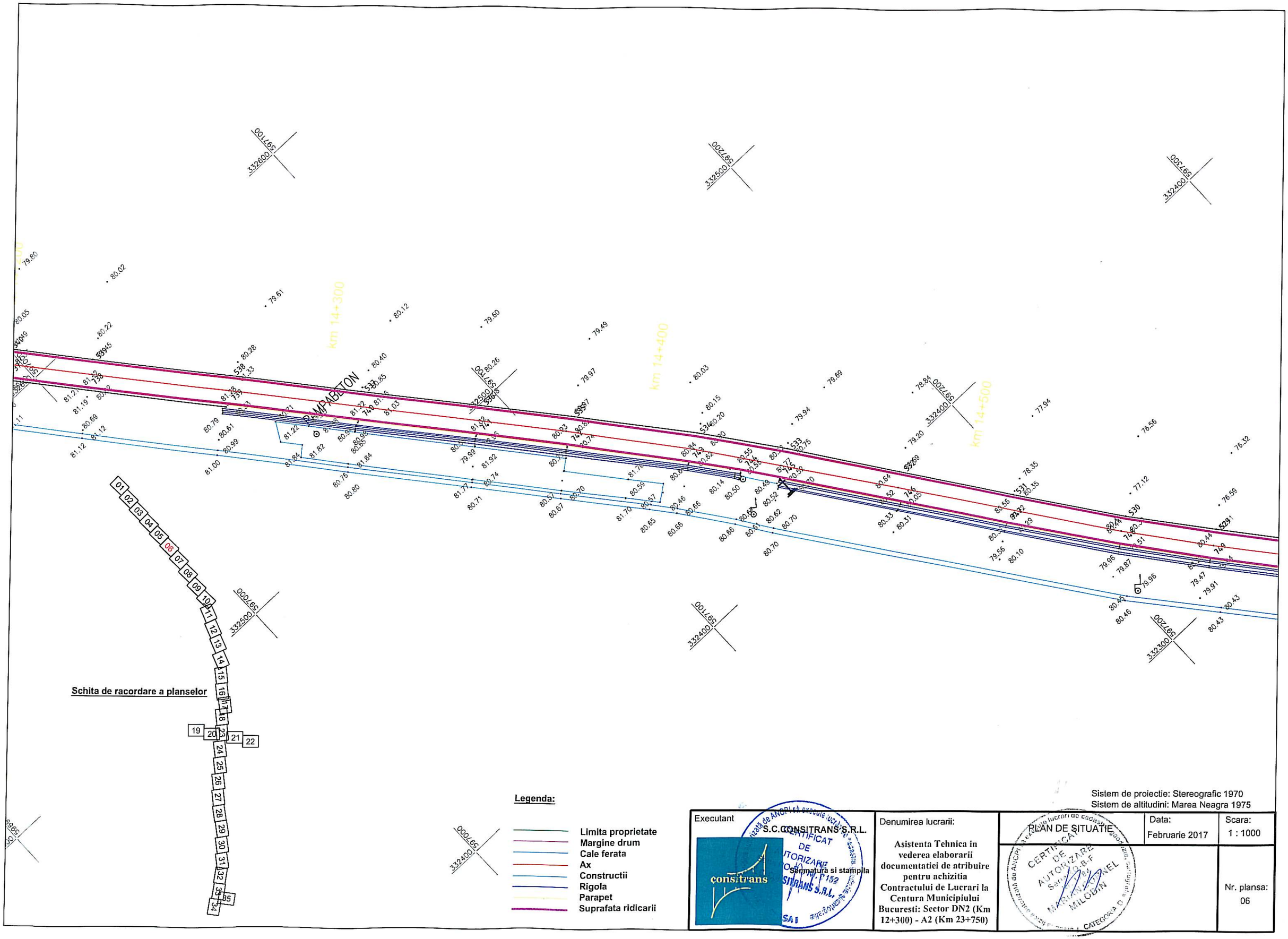
Legenda:

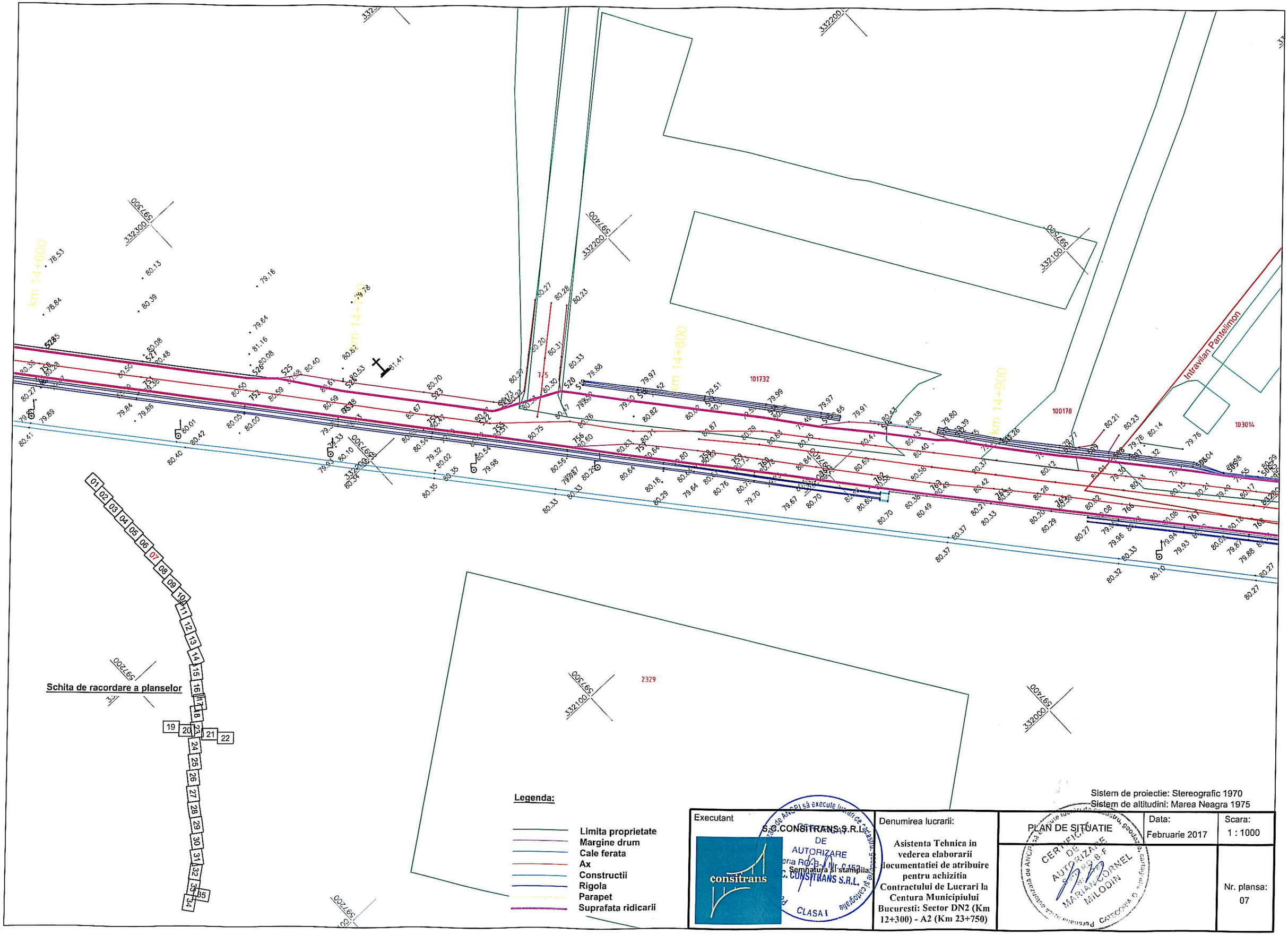
- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant	Denumirea lucrarii:	PLAN DE SITUATIE	Data:	Scara:
S.C.CONSITRANS S.R.L.	Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)		Februarie 2017	1 : 1000
				Nr. plansa: 05

consitrans
CERTIFICAT DE AUTORIZARE Seria RO-B-U Nr. C 152 S.C. CONSITRANS S.R.L. CLASA I
Semnatura si stampila
CERTIFICAT DE AUTORIZARE Seria F Nr. 2354 MARIA-CARMEN MILODIN


km 14+300
km 14+400
km 14+500
RAMPA BELTON
Schita de racordare a planselor
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 23 21 22 24 25 26 27 28 29 30 31 32 33 34 35
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975
Executant
S.C. CONSITRANS S.R.L.
consitrans
Semnatura si stampila
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
PLAN DE SITUATIE
Data: Februarie 2017
Scara: 1 : 1000
Nr. plansa: 06

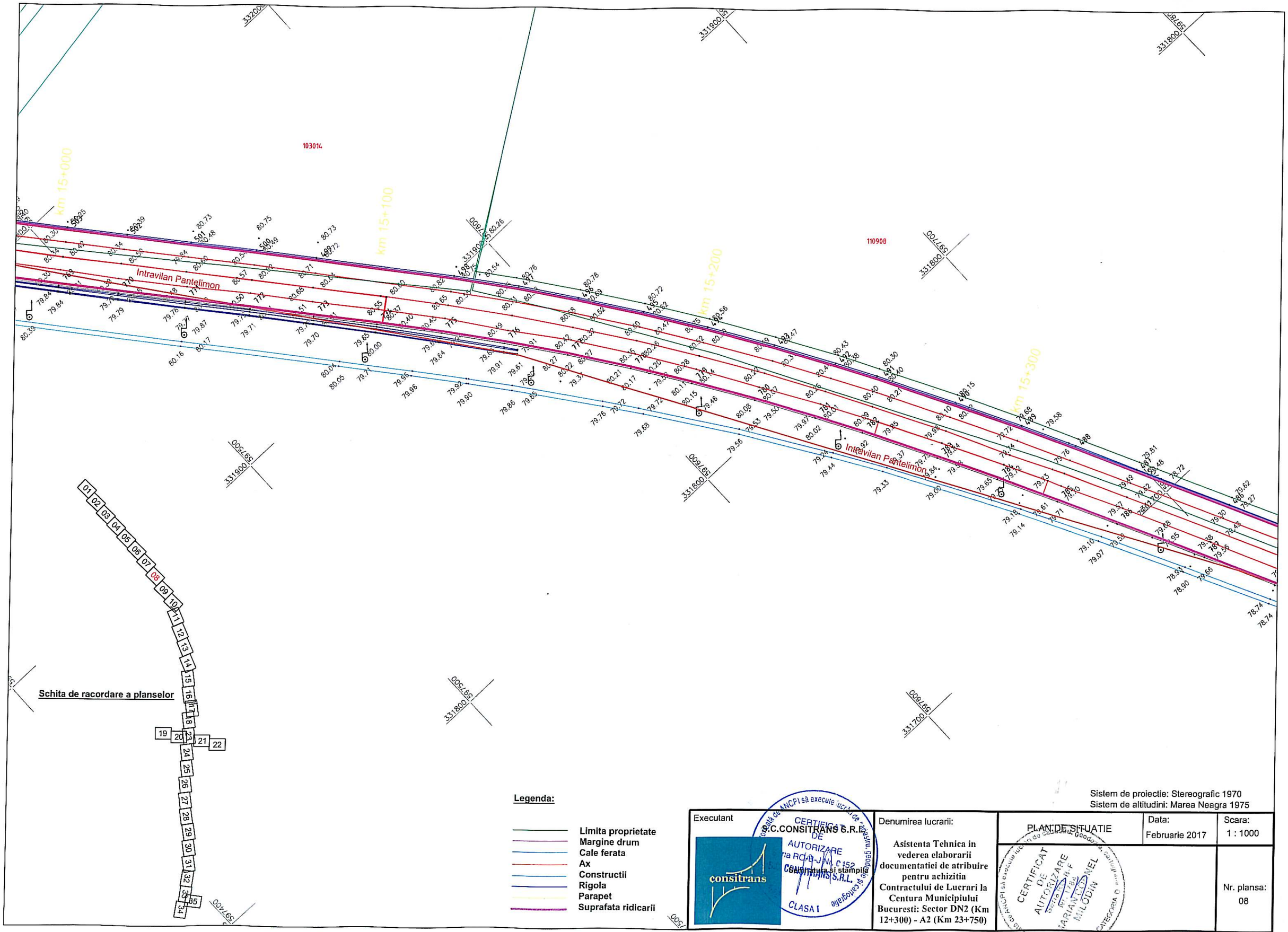


Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C. CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
Semnatura si stampila			Nr. plansa: 07



Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: C.C.CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017
			Scara: 1 : 1000
			Nr. plansa: 08

Intravilan Pantelimon

Intravilan Pantelimon

km 15+400

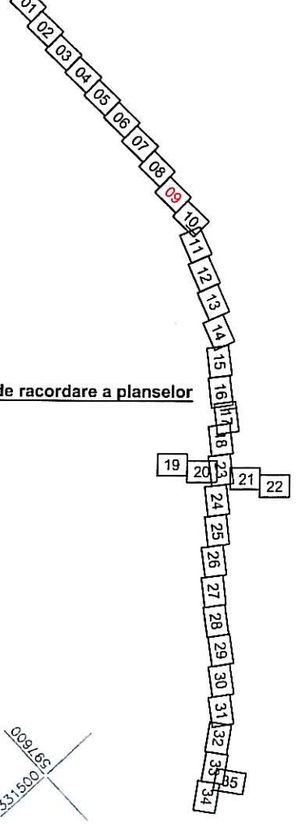
km 15+500

km 15+600

km 15+700

110908

Schita de racordare a planselor



Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant	Denumirea lucrarii:		Data:	Scara:
S.C.CONSITRANS S.R.L.	Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Februarie 2017	1 : 1000
				Nr. plansa: 09

CERTIFICAT DE AUTORIZARE
Semnatura si stampila
S.C. CONSITRANS S.R.L.
CLASA I

Intravilan Pantelimon

km 15+800

km 15+900

km 16+000

km 16+100

km 16+200

SEMAFOR

TRAFO

1372

100483

Schita de racordare a planselor

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

Legenda:

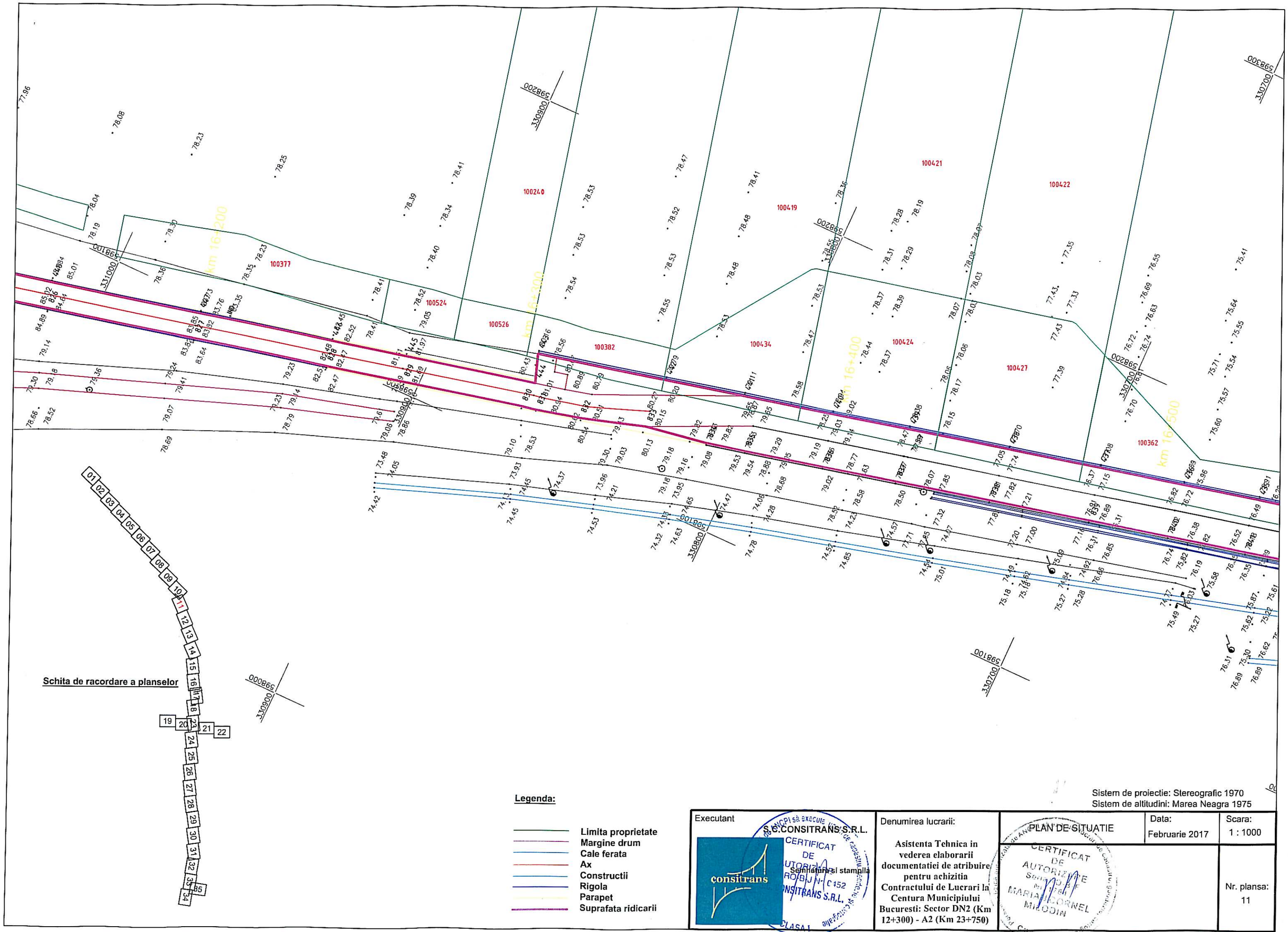
- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C. CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 10

Semnatura si stampila

CERTIFICAT DE AUTORIZARE Seria C nr. 2152 MARIA COLONEL MIHODIN



Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L. (Semnatura si stampila)	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 11

Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C. CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 12

Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Intravilan Pantelimon

Intravilan Pantelimon

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant	Denumirea lucrarii:	PLAN DE SITUATIE	Data:	Scara:
S.C.CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE RO-E-JNIFC 152 CONSITRANS S.R.L. CLASA I Semnatura si stampila	Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)		Februarie 2017	1 : 1000
				Nr. plansa: 13

Intravilan Pantelimon

Intravilan Pantelimon

Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 14

Intravilan Pantelimon

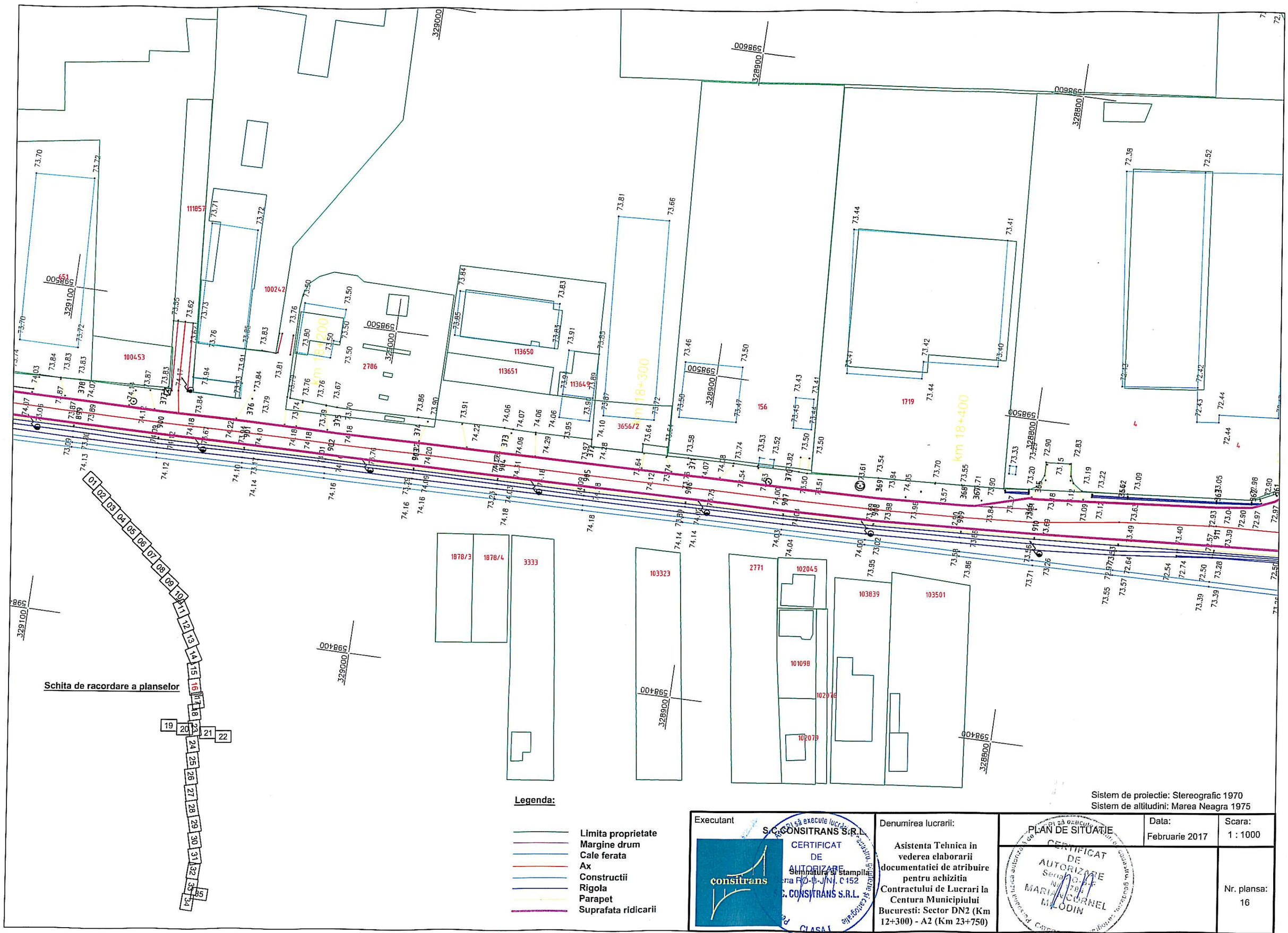
Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017
			Scara: 1 : 1000
Semnatura si stampila			Nr. plansa: 15



Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant S.C. CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE Semnatura si stampila C. CONSITRANS S.R.L. CLASA I	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE CERTIFICAT DE AUTORIZARE MARIAN CORNEL MODIN	Data: Februarie 2017 Nr. plansa: 16	Scara: 1 : 1000

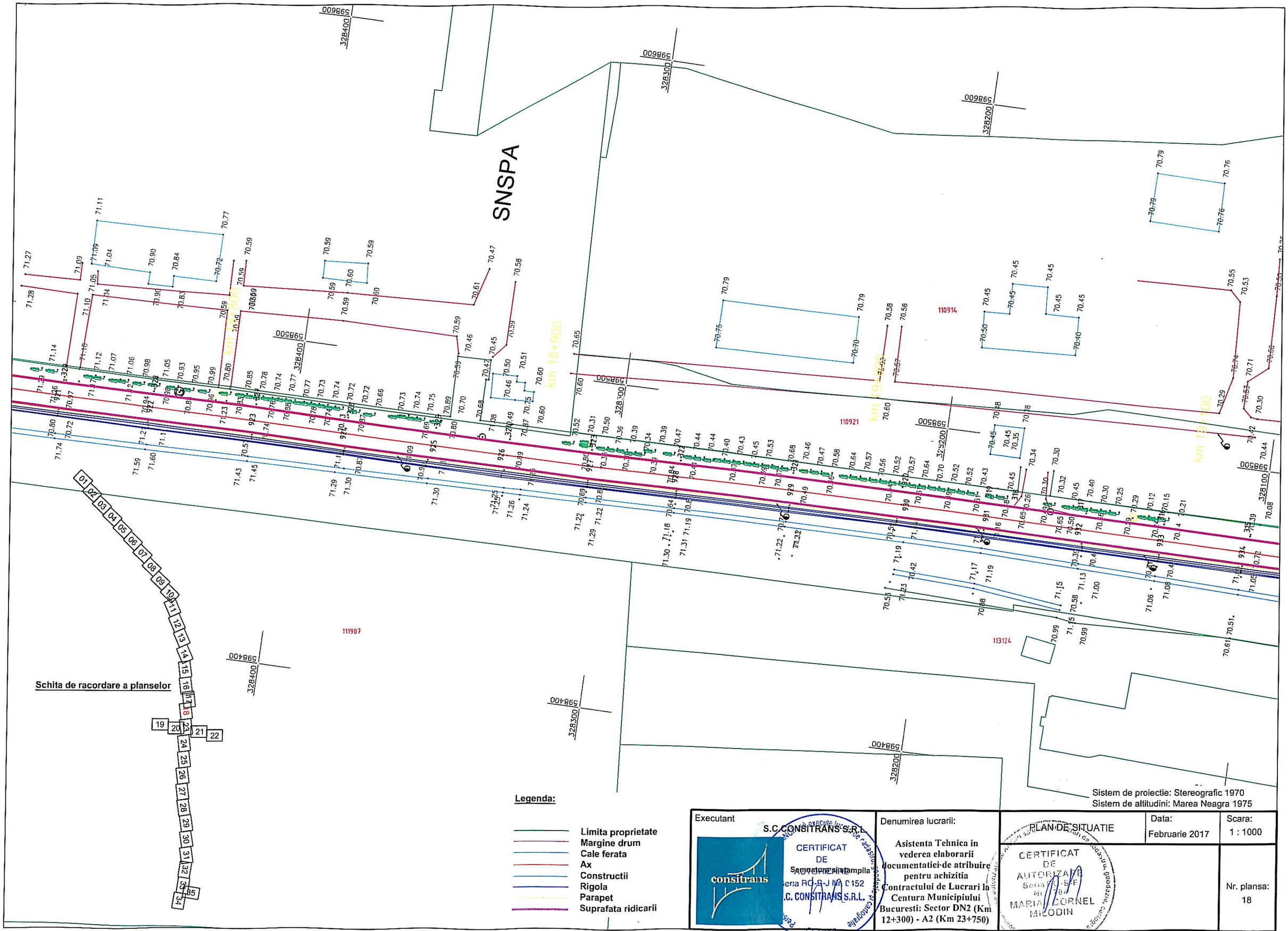
Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

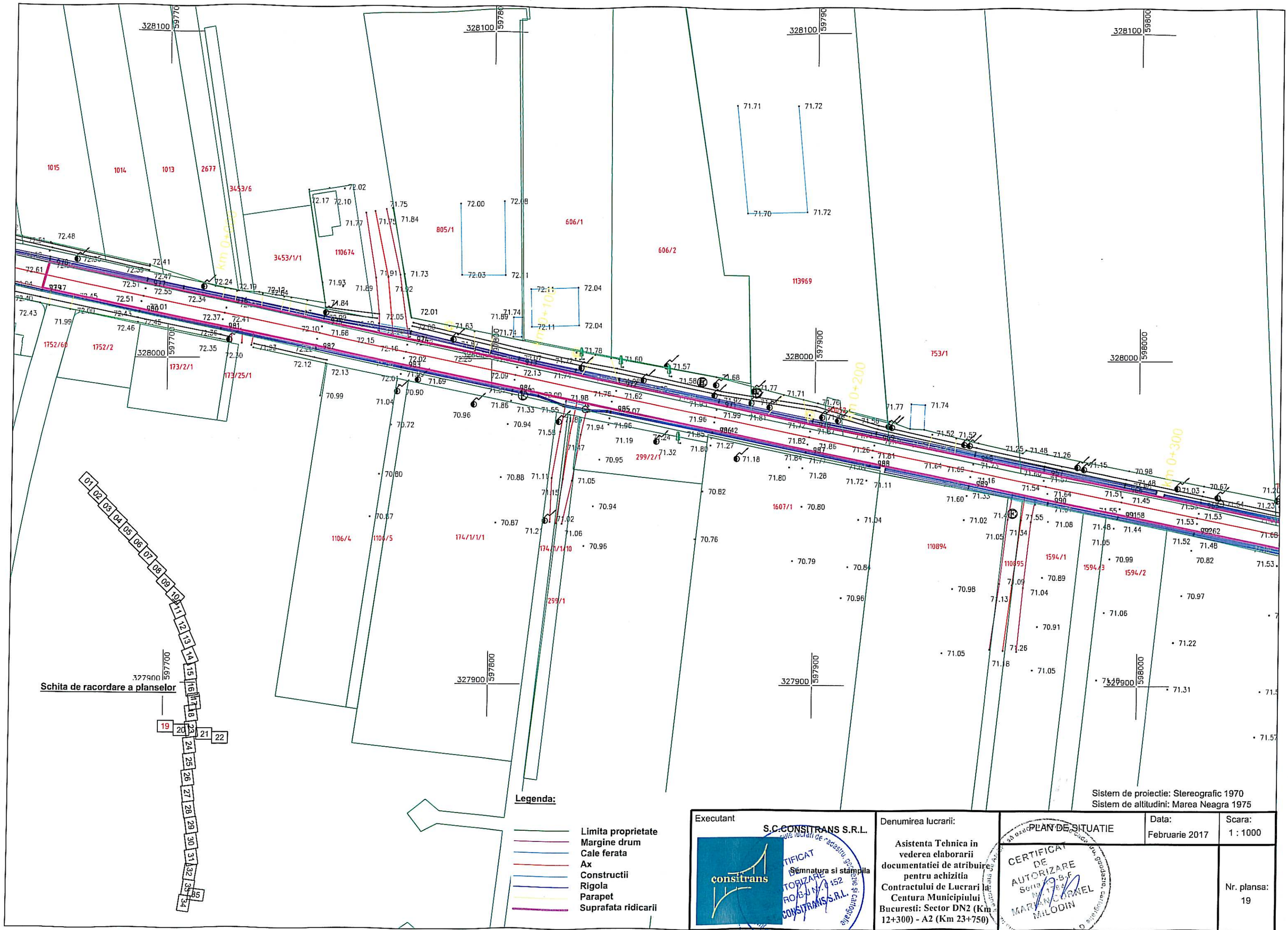
Executant: S.C. CONSITRANS S.R.L. Semnatura si stampila	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
		CERTIFICAT DE AUTORIZARE Seria ... Nr. ... MARIAN CORNEL MILODIN	Nr. plansa: 17



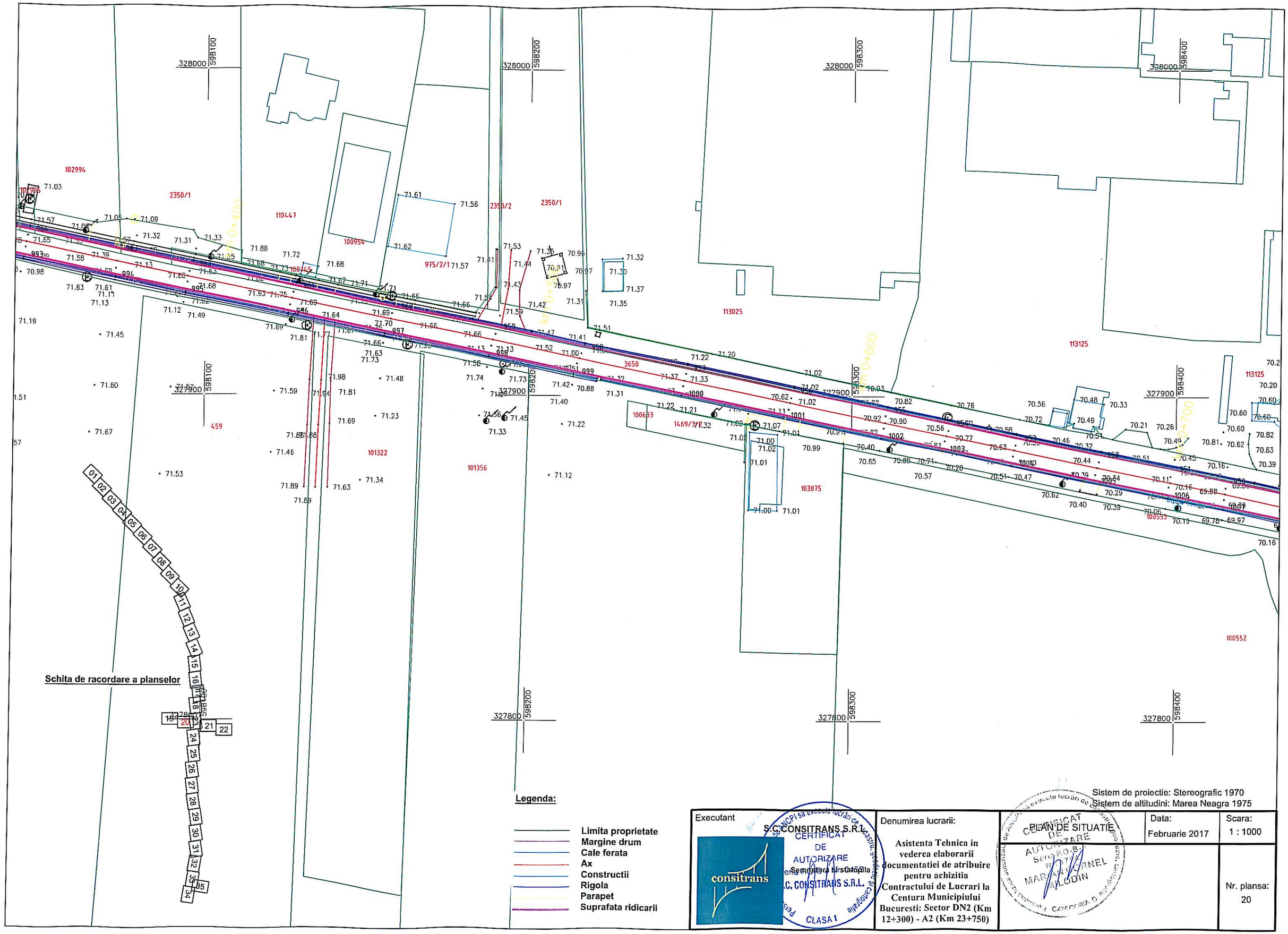
Executant S.C.CONSITRANS S.R.L	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei-de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 Scara: 1 : 1000 Nr. plansa: 18

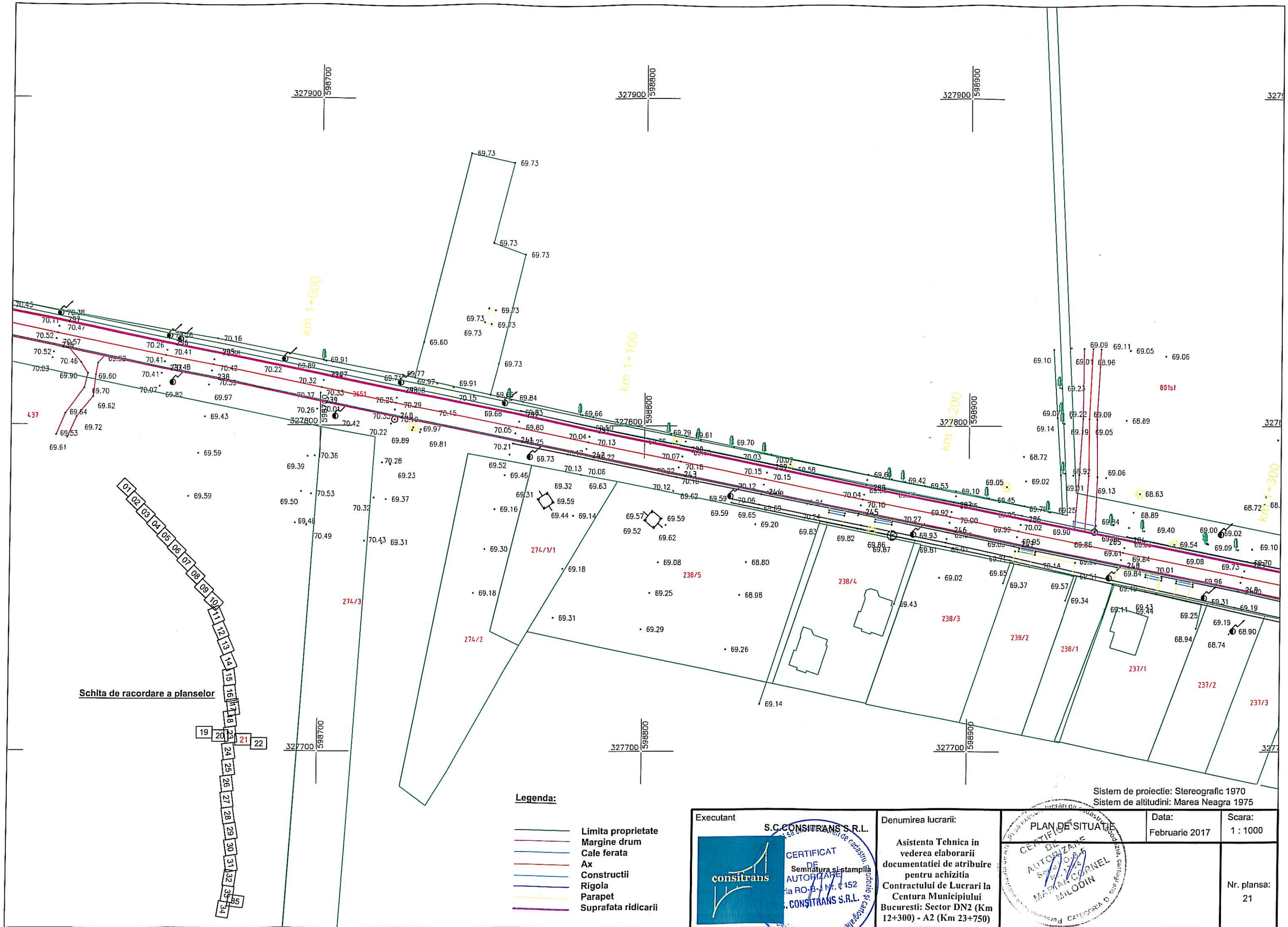
CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. 0152 S.C. CONSITRANS S.R.L.

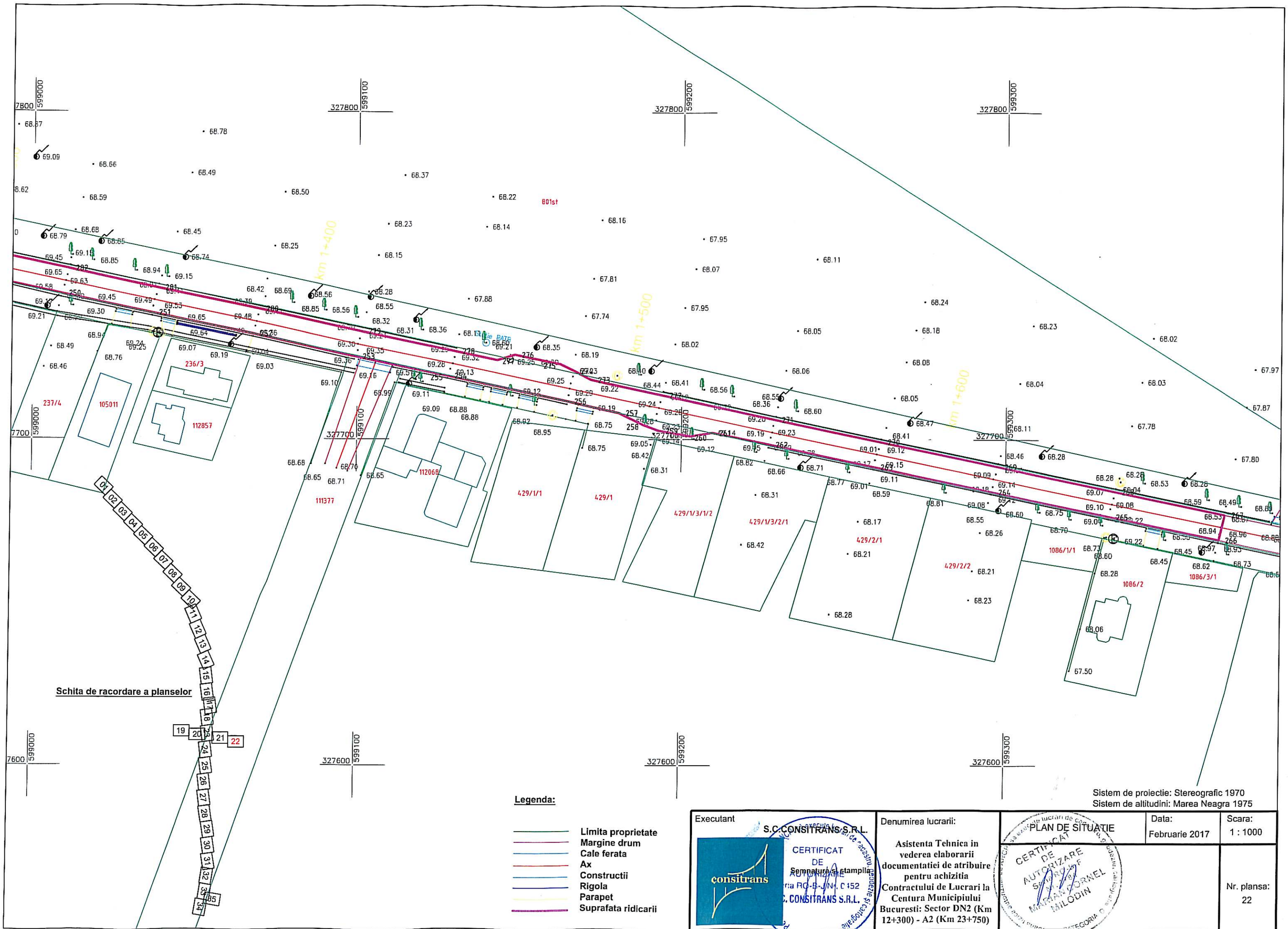
CERTIFICAT DE AUTORIZARE Seria B Nr. 1557 MARIA CORNEL MILODIN



Executant: S.C.CONSITRANS S.R.L. — Semnatura si stampila	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 19


328000
598100
598200
598300
598400
327900
327800
102994
2350/1
110447
100954
975/2/1
2350/2
113025
113125
3650
100633
1469/370
103875
101322
101356
459
100552
Km 0+400
Km 0+600
Km 0+700
Schita de racordare a planselor
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Executant
S.C. CONSITRANS S.R.L.
consitrans
CERTIFICAT DE AUTORIZARE
S.C. CONSITRANS S.R.L.
CLASA I
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
CERTIFICAT DE AUTORIZARE
AUTOR-B-
MARIAN-CORNEL
BALODIN
PLAN DE SITUATIE
Data:
Februarie 2017
Scara:
1 : 1000
Nr. plansa:
20
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975


327900 598700
327900 598800
327900 598900
327800 598700
327800 598800
327800 598900
327700 598700
327700 598800
327700 598900
km 1+000
km 1+100
km 1+200
km 1+300
Schita de racordare a planselor
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
274/1/1
274/2
274/3
238/5
238/4
238/3
238/2
238/1
237/1
237/2
237/3
801st
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975
Executant
S.C.CONSITRANS S.R.L.
consitrans
CERTIFICAT DE AUTORIZARE Seria RO-B-1 Nr. C 152
S.C. CONSITRANS S.R.L.
Semnatura si stampila
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
PLAN DE SITUATIE
Data: Februarie 2017
Scara: 1 : 1000
Nr. plansa: 21
CERTIFICAT DE AUTORIZARE Seria RO-B-1 Nr. 1174 MARIAN CORNEL MILODIN


599000
599100
599200
599300
327800
327700
327600
km 1+400
km 1+500
km 1+600
801st
236/3
237/4
105011
112857
112068
111377
429/1/1
429/1
429/1/3/1/2
429/1/3/2/1
429/2/1
429/2/2
1086/1/1
1086/2
1086/3/1
Schita de racordare a planselor
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975
Executant
S.C.CONSITRANS S.R.L.
consitrans
CERTIFICAT DE AUTORIZARE
Seria RO-B-J/N. 0152
S.C. CONSITRANS S.R.L.
CLASA I
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
PLAN DE SITUATIE
Data:
Februarie 2017
Scara:
1 : 1000
CERTIFICAT DE AUTORIZARE
MARIAN CORNEL MILODIN
Nr. plansa:
22

Schita de racordare a planselor

05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

km 19+200 | km 19+300 | km 19+400 | km 19+500 | km 0+900 | km 0+800 | km 0+700

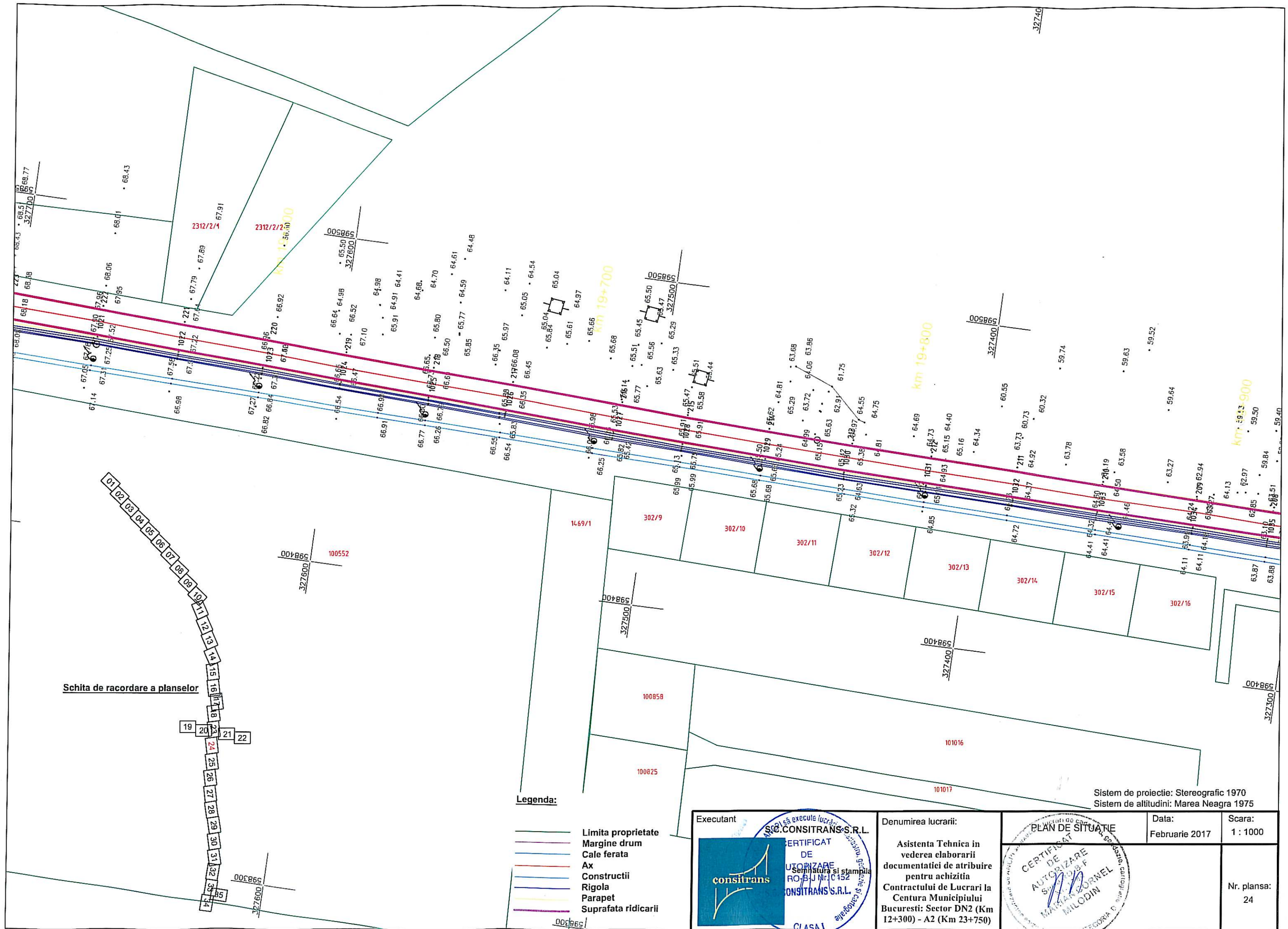
110914 | 113124 | 113125 | 100552 | 100553 | 100477 | 2312/1/2 | 437

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C. CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE Semnatura si stampila C. CONSITRANS S.R.L. CLASA I	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 23



Executant S.C.CONSITRANS S.R.L. (Semnatura si stampila; CERTIFICAT DE AUTORIZARE RO-B-U NR.0452 CONSITRANS S.R.L. CLASA I)	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
		(CERTIFICAT DE AUTORIZARE MARIAN CORNEL MILODIN)	Nr. plansa: 24

Intravilan Pantelimon

Intravilan Pantelimon

Intravilan Pantelimon

Intravilan Pantelimon

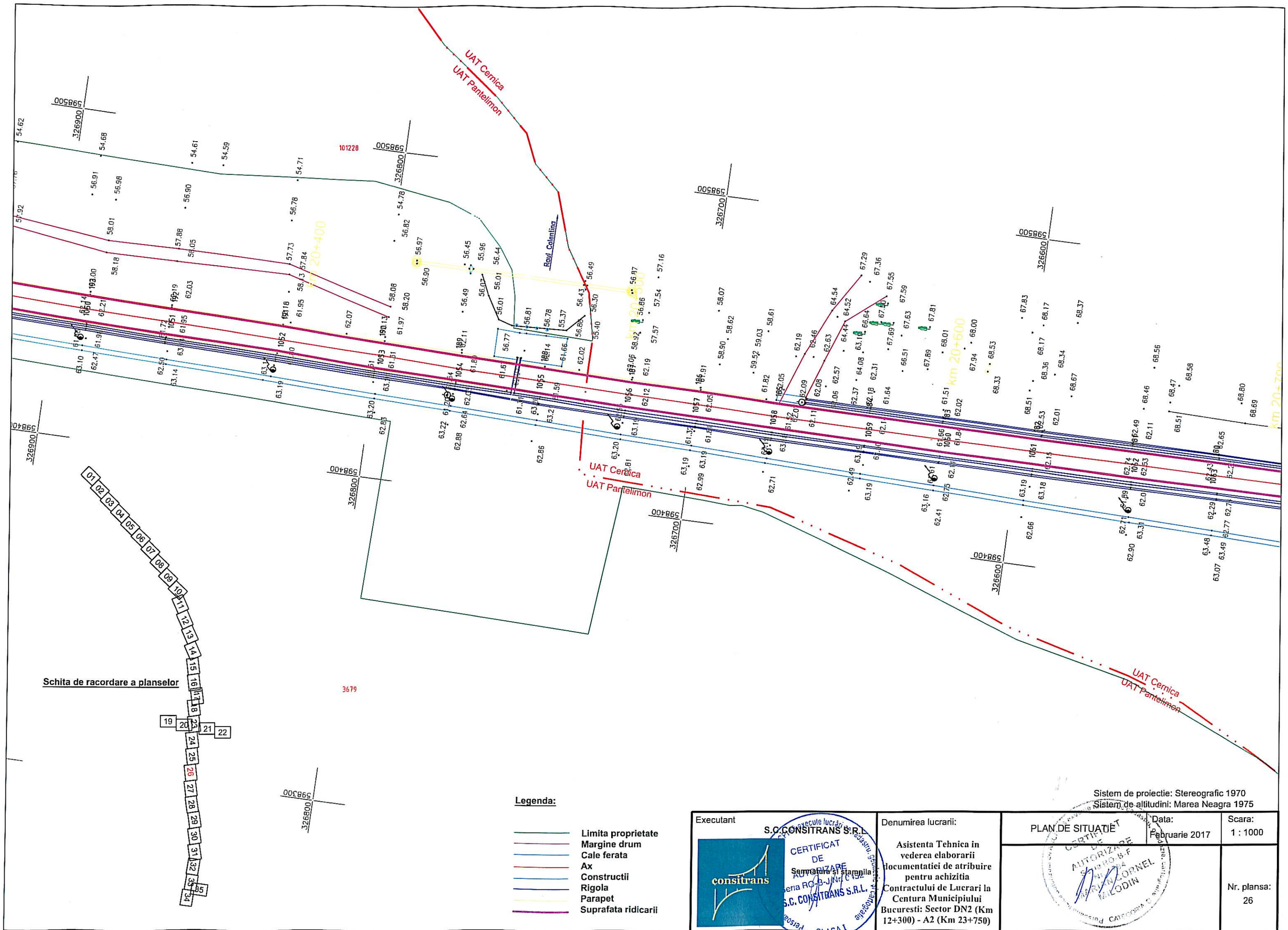
Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

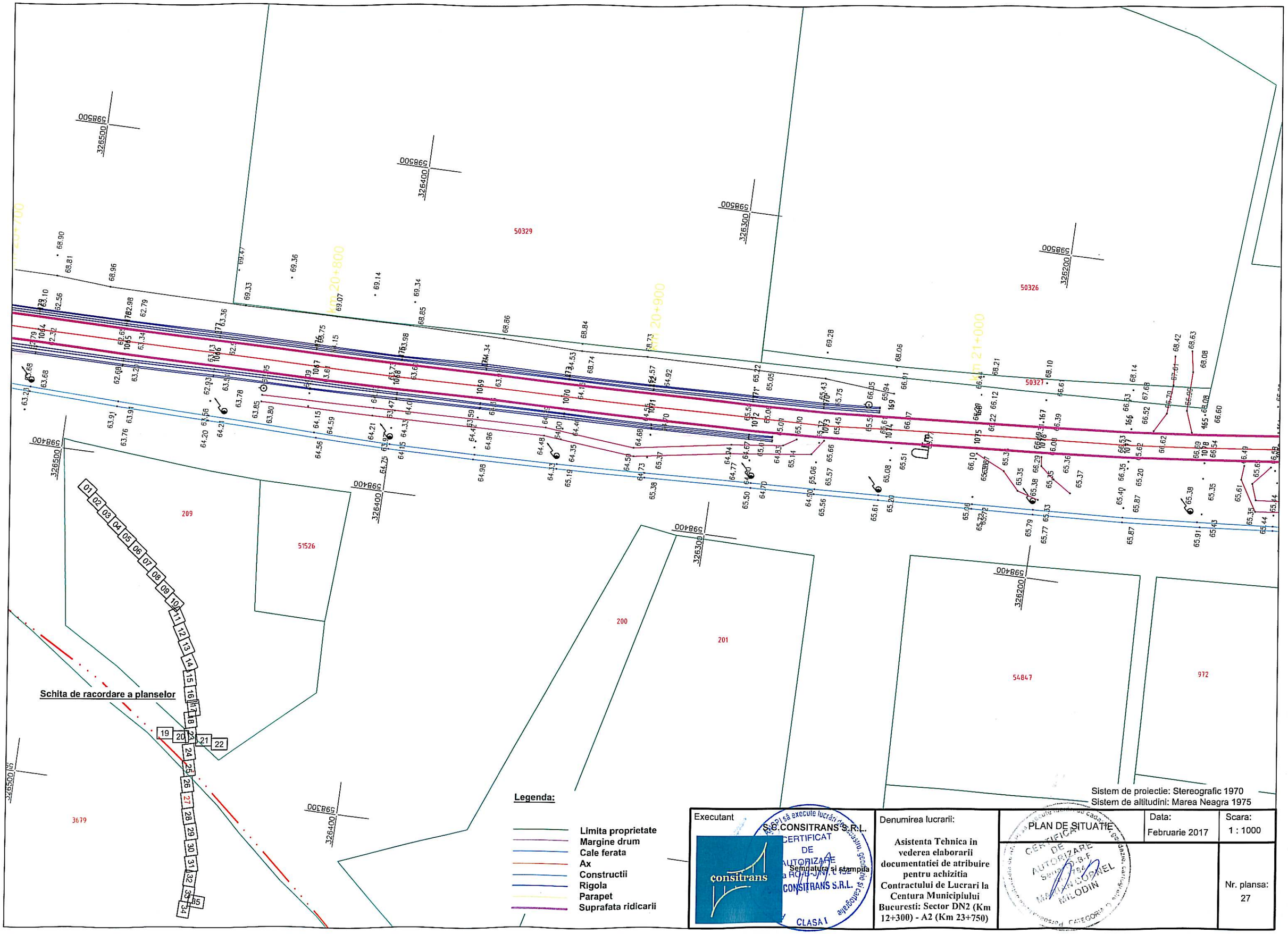
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L. Semnatura si stampila	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE
		Data: Februarie 2017
		Scara: 1 : 1000
		Nr. plansa: 25

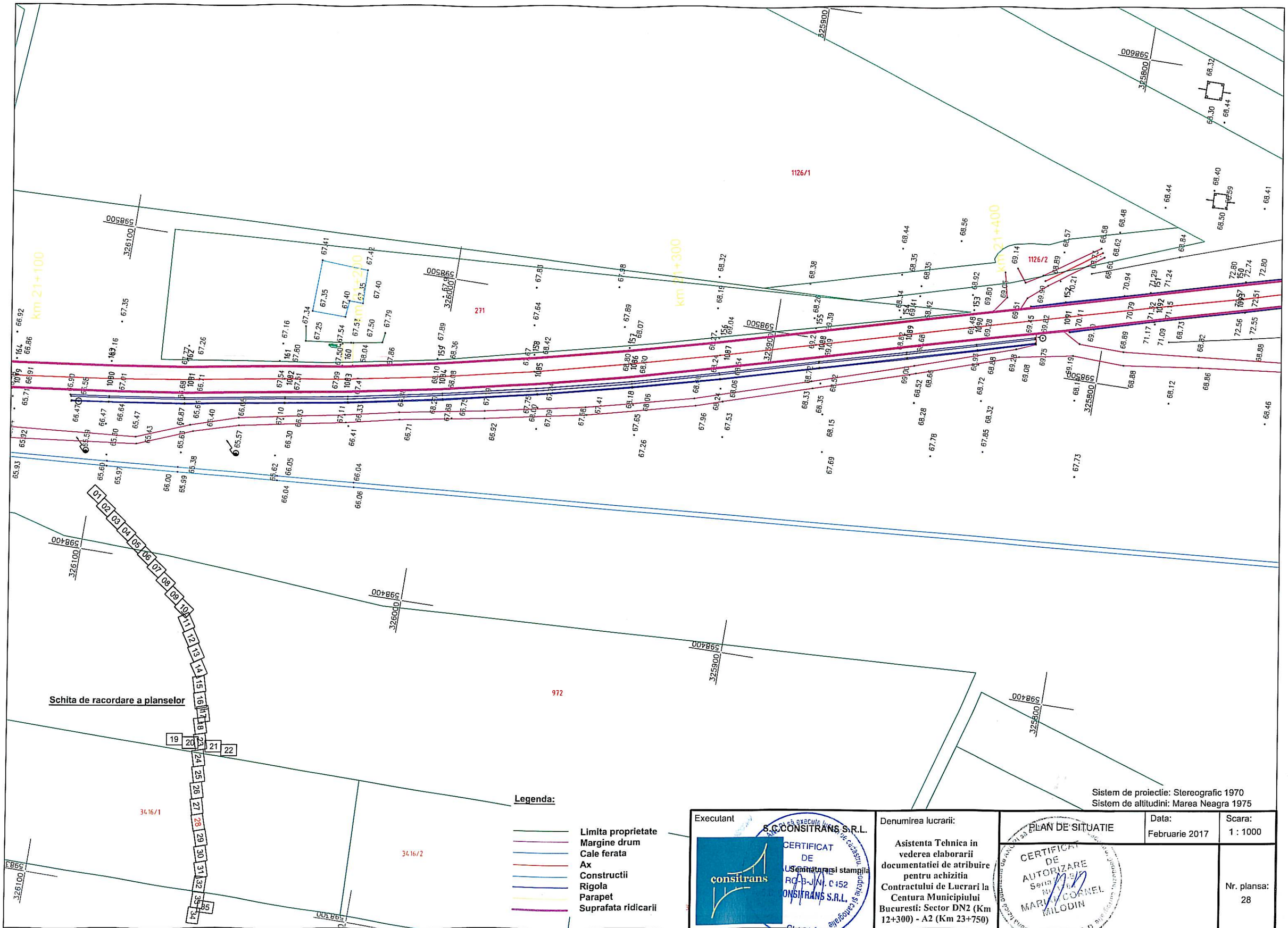


Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 26



Executant S.C.CONSITRANS S.R.L. Semnatura si stampila	Denumirea lucrarii: **Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)**	PLAN DE SITUATIE	Data: Februarie 2017 Scara: 1 : 1000 Nr. plansa: 27



Executant: S.C.CONSITRANS S.R.L. CERTIFICAT DE Semnaturasi stampila RO-B-J/Nr. C152 CONSITRANS S.R.L. CLASA 1	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
		CERTIFICAT DE AUTORIZARE Seria ... Nr. ... MARIA CORNEL MILODIN	Nr. plansa: 28

km 21+500

km 21+600

km 21+700

km 21+800

50987

50989

50988

50274

50251

50253

50242

50243

50252

50254

1425/3

1425/2

1425/4

1524

1425/1

54840

Schita de racordare a planselor

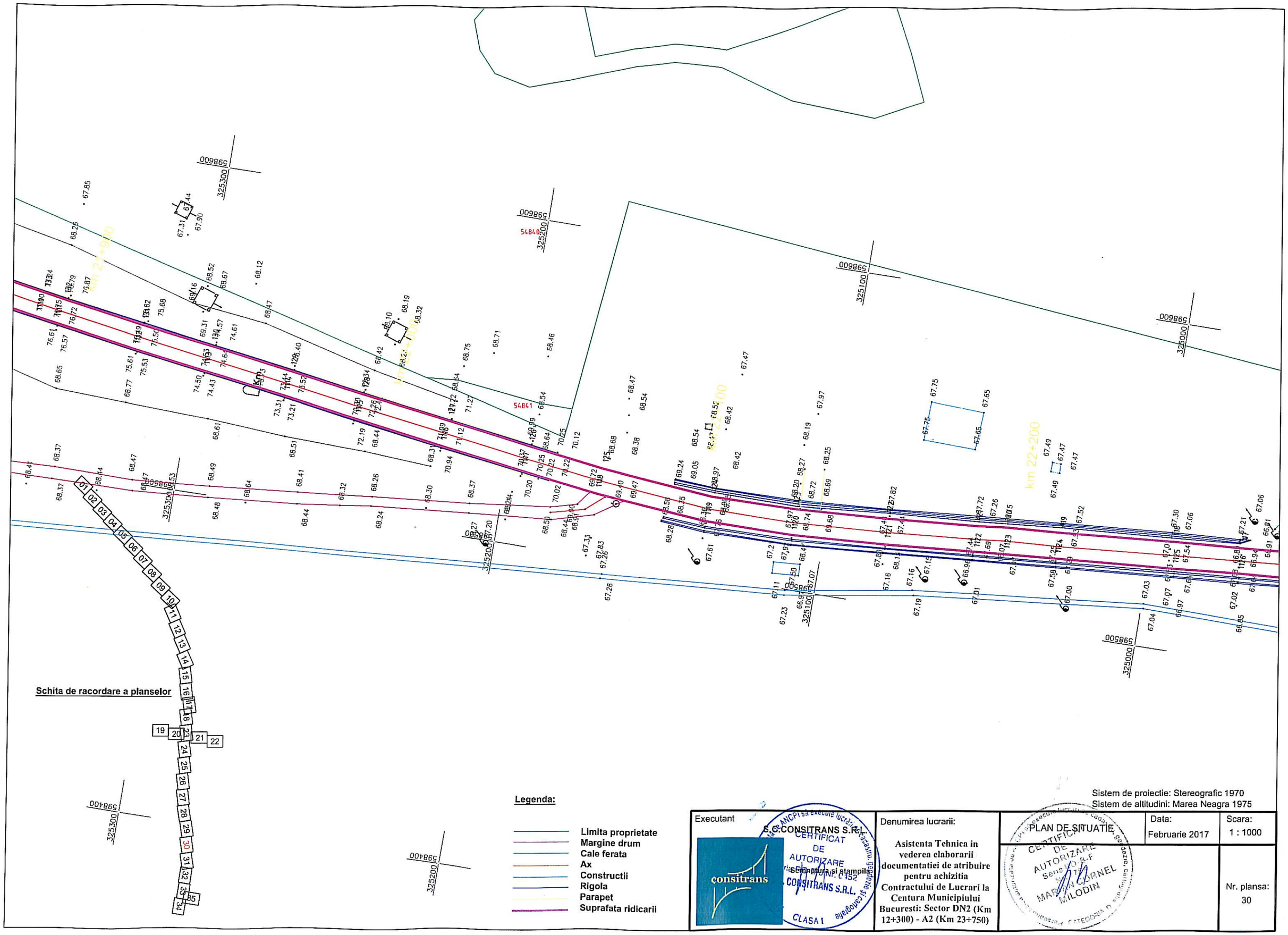
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Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

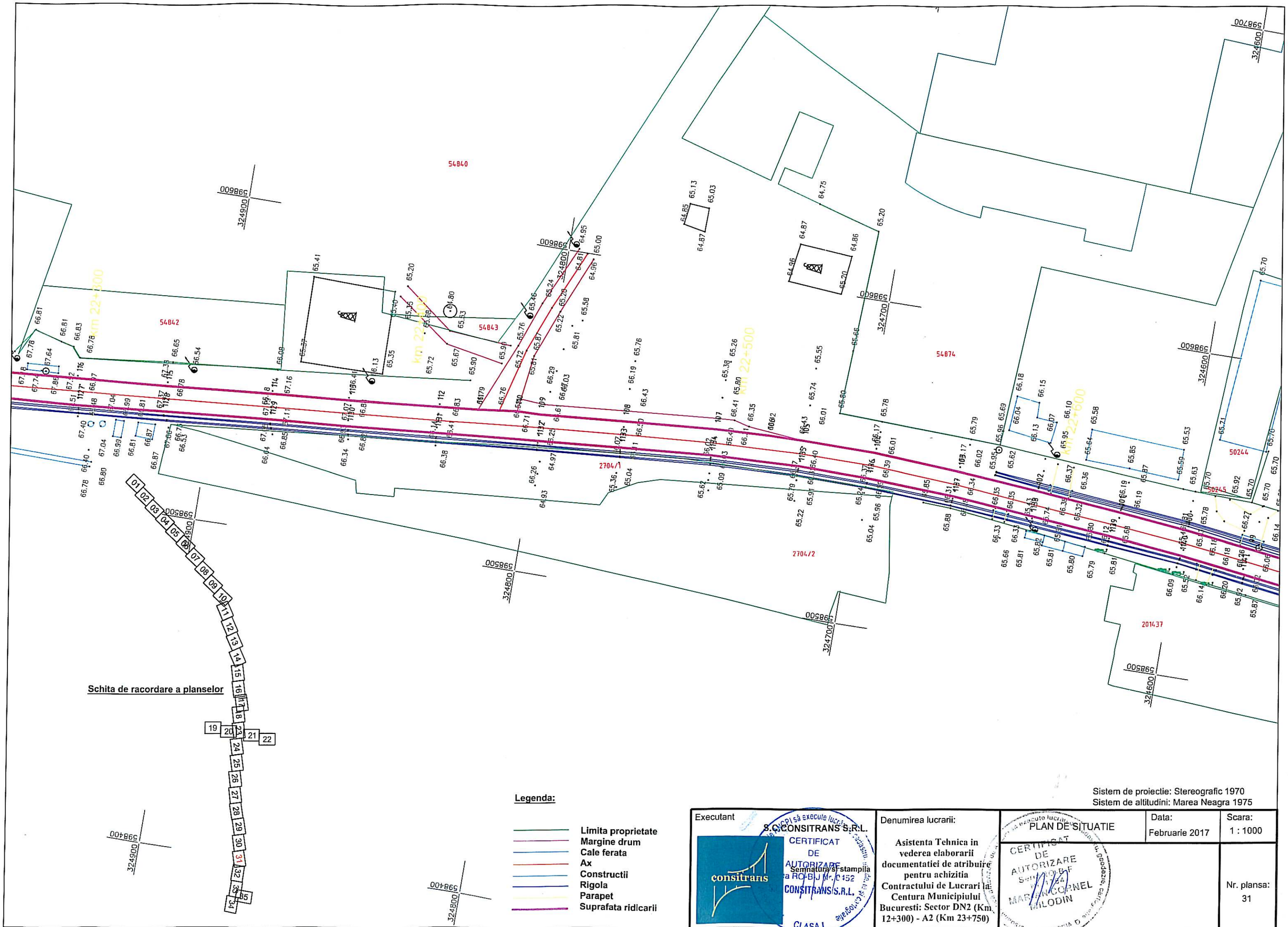
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE ... Nr. C152 CONSITRANS S.R.L. CLASA I — Semnatura si stampila	Denumirea lucrarii: **Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)**	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
		CERTIFICAT DE AUTORIZARE ... MARIAN CORNEL MILODIN	Nr. plansa: 29



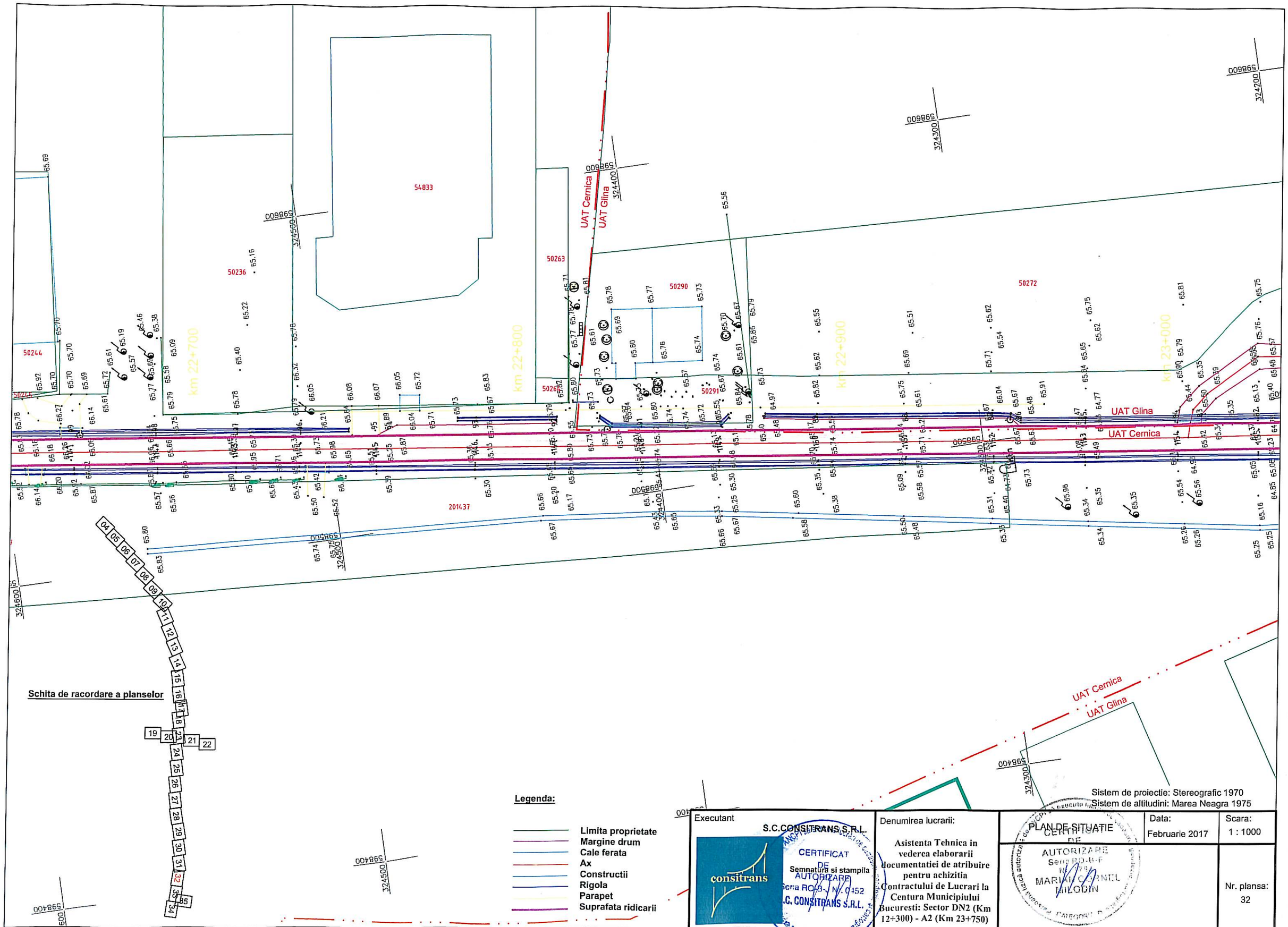
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant S.C.CONSITRANS S.R.L. Semnatura si stampila	Denumirea lucrarii: **Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)**	PLAN DE SITUATIE	Data: Februarie 2017 Scara: 1 : 1000
			Nr. plansa: 30



Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant S.C.CONSITRANS S.R.L. CERTIFICAT DE AUTORIZARE Semnatura si stampila CONSITRANS S.R.L. CLASA I	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 Scara: 1 : 1000 Nr. plansa: 31


UAT Cernica
UAT Glina
km 22+700
km 22+800
km 22+900
km 23+000
54033
50236
50263
50290
50272
50244
50291
201437
Schita de racordare a planselor
04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
Legenda:
Limita proprietate
Margine drum
Cale ferata
Ax
Constructii
Rigola
Parapet
Suprafata ridicarii
Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975
Executant
S.C.CONSITRANS S.R.L.
consitrans
CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. 0452 S.C. CONSITRANS S.R.L.
Denumirea lucrarii:
Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)
PLAN DE SITUATIE
Data: Februarie 2017
Scara: 1 : 1000
AUTORIZARE Seria RO-B-F Nr. 1179 MARIAN CORNEL MILODIN
Nr. plansa: 32

UAT Glina

UAT Cernica

Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant S.C.CONSITRANS S.R.L. Semnatura si stampila S.C. CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE CERTIFICAT DE AUTORIZARE Seria RO-B-F Nr. 1784 MARIAN CORNEL MILODIN	Data: Februarie 2017	Scara: 1 : 1000
				Nr. plansa: 33

Intravilan Manolache

Intravilan Catelu

Schita de racordare a planselor

50268

50269

50358

50016

3124

54674

54937

1541

1542

1543

1544

Km 23+500

Km 23+600

Km 23+700

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L.	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUATIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 34

Semnatura si Stampila

CERTIFICAT DE AUTORIZARE Seria B-F MARIAN CORNEL MILODIN

Intravilan Manolache

Schita de racordare a planselor

Legenda:

- Limita proprietate
- Margine drum
- Cale ferata
- Ax
- Constructii
- Rigola
- Parapet
- Suprafata ridicarii

Sistem de proiectie: Stereografic 1970
Sistem de altitudini: Marea Neagra 1975

Executant: S.C.CONSITRANS S.R.L. Semnătură și ștampila	Denumirea lucrarii: Asistenta Tehnica in vederea elaborarii documentatiei de atribuire pentru achizitia Contractului de Lucrari la Centura Municipiului Bucuresti: Sector DN2 (Km 12+300) - A2 (Km 23+750)	PLAN DE SITUAȚIE	Data: Februarie 2017 / Scara: 1 : 1000
			Nr. plansa: 35

Persoană juridică autorizată pentru activități de cadastru, geodezie și cartografie
CERTIFICAT DE AUTORIZARE Seria RO-J Nr. C 152 S.C. CONSITRANS S.R.L. CLASA I