

Elaborare studiu de fezabilitate și liste de cantități pentru obiectivul "Autostrada Târgu Neamț - Ungheni"

Număr contract: 92 / 4779



Vol.5.4. STUDII TOPOGRAFICE

Aprob,
Director al Oficiului
de Cadastru și Publicitate Imobiliară Iași,
NARCIZA NEDELCU



PROCES-VERBAL DE RECEPȚIE Nr.219
Întocmit astăzi ,17.08.2010
Privind lucrarea nr.64493

1. Beneficiar : S.C INOCSA INGINERIA SL MADRID-SUCURSULA BUCURESTI
2. Executant :S.C GEO PROIECT CONSULTING S.R.L-PFA COSTESCU SORIN Petrisor
3. Denumirea lucrărilor recepționate PLAN DE SITUATIE.
4. Nominalizarea documentelor și a documnetățiilor care se predau Oficiului de Cadastru și Publicitate Imobiliară Iași conform O.D.G. nr.108/2010.

Plan topografic (în format analogic si digital- în format dxf) la scara 1:1000, care cuprinde reprezentarea reliefului si a limitelor cadastrale ale imobilului.

Memoriu tehnic.

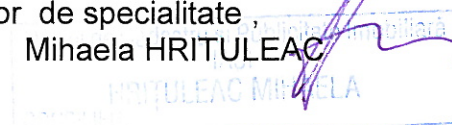
Masuratori realizate in rețeaua de indesire.

Plan de incadrare in zona.

Dovada achitarii tarifelor legale.

Lucrarea este declarată ADMISĂ.

Semnături
Consilier/inspector de specialitate ,
Mihaela HRITULEAC



Inginer Sef al Oficiului de Cadastru si Publicitate Imobiliară Iași,
Bogdan BUCȘA



**RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA
TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140,
JUDETUL IASI**

Exemplar: BENEFICIAR

BORDEROU

VOLUM 1

- 1. Memoriu tehnic**
- 2. Plan de incadrare in zona, scara 1:25.000**
- 3. Fisier masuratori prin metode clasice**
- 4. Retea GPS**
- 5. Calcul drumuire**
- 6. Planuri de situatie, scara 1:1.000**

Memoriu tehnic

MEMORIU TEHNIC

1. GENERALITATI

Lucrarea «RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT – UNGHENI, INTRE KM 261+240 SI KM 312+140, JUD. IASI», face obiectul prezentului studiu topografic conform temei de proiectare.

$L_{totala} = 51 \text{ km}$, $S_{totala} = 1975 \text{ ha}$.

1.1. Documentarea proiectului

S-au stabilit etapele de executie a lucrarilor si date concrete pentru intocmirea proiectului. Lucrarea este incadrata in Sistem de Coordonate STEREO '70 si Sistem Altimetric MAREA NEAGRA'75.

Materializarea punctelor din retea de indesire si de ridicare s-a executat conform temei de proiectare prin borne FENO, picheti metalici si cuie pentru beton, dispuse astfel incat sa existe vizibilitate intre ele si sa nu afecteze retea de instalatii subterane si sa fie amplasate in zone stabile.

2. PROIECTAREA RETELEI DE INDESIRE

Respectarea cerintelor de precizie si densitate ale retelei de sprijin planimetrice prevazute in "Tema de proiectare" aferenta lucrarii « RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT – UNGHENI, INTRE KM 261+240 SI KM 312+140, JUD. IASI » s-a realizat printr-o retea planimetrica de indesire care s-a pichetat conform cerintei beneficiarului.

La stabilirea amplasarii punctelor proiectate s-au avut in vedere toate prescriptiile normativelor referitoare la stabilitate, conservare, eficienta pentru ridicare, accesibilitate usoara.

Amplasamentele au fost stabilite astfel incat sa existe posibilitatea orientarii instrumentelor pentru masurat pe minim 2 puncte ale retelei.

Punctele retelei planimetrice au fost determinate si nivelitic, pozitia tridimensionala oferind prin acesta toate conditiile pentru viitoarele masuratori de realizare a proiectului.

Pornind de la faptul ca la realizarea retelei planimetrice de sprijin s-a folosit tehnologia GPS, dar avand in vedere ca realizarea planului se va efectua prin metode clasice, imbinarea celor doua conditii a dus la materializarea retelei planimetrice sub forma unor baze formate din doua puncte cu vizibilitate intre ele si amplasate in puncte caracteristice, dar asigurandu-se densitatea de puncte cerute in tema de proiectare.

La alegerea punctelor pentru realizarea retelei de sprijin s-au respectat urmatoarele conditii: distanta dintre puncte sa fie cat mai mare posibil, dar nu mai mare de 300 m, sa nu existe instalatii electrice de mare putere in apropierea punctelor pentru a nu perturba semnalele satelitare, sa fie amplasate in asa fel incat sa nu fie distruse in cazul executarii unor lucrari de constructii.

Masurarea retelei de sprijin s-a realizat prin metode GPS. S-au utilizat receptoare 11, 12, LEICA 1200, LEICA 900 si receptoare 11, Sokkia Stratus. S-au utilizat statiile permanente cu coordonate in ETRS 89 ale ANCPI, Pascani si Iasi. Transcalculul de coordonate din ETRS 89 in Stereo' 70 s-a facut cu Transdata 4.0., soft implementat pe intreaga suprafata a tarii.

3. PROIECTAREA RETELEI DE SPRIJIN ALTIMETRICE

Reteaua de sprijin altimetrica este formata din punctele retelei planimetrice de sprijin. Acest lucru este posibil datorita modului de marcare adoptat pentru punctele retelei planimetrice de sprijin, care asigura toate conditiile pentru o dubla functionalitate.

Masuratorile in retea de sprijin altimetrica au fost efectuate cu instrumente electronice de nivelment geometric de precizie LEICA DNA 010.

S-au folosit broaste de nivelment si mire cu cod bara.

Masuratorile de nivelment s-au efectuat "dus-intors", respectandu-se principiul portelor egale, pentru a obtine o precizie cat mai buna. Din compensarea constransa pe reperi de nivelment a rezultat o retea de nivelment ce se incadreaza in limitele date de proiectant.

4. MATERIALIZAREA PUNCTELOR RETELEI GEODEZICE PLANIMETRICE SI ALTIMETRICE

Punctele retelei planimetrice de sprijin si cele ale retelei altimetrice au fost materializate prin picheti metalici conform detaliilor din tema de proiectare.

Pentru fiecare pichet s-a intocmit fisa de descriere.

5. RIDICAREA PUNCTELOR DE DETALIU

Pentru ridicarea punctelor de detaliu s-au realizat drumuiri poligonometrice sprijinite pe puncte determinate GPS. Din punctele de drumuire s-au ridicat detaliile planimetrice si profilele transversale, utilizand Statii Totale Leica TCR 1201 si Leica TCR 805.

6. PROCESAREA DATELOR SI REDACTAREA PLANULUI DE SITUATIE DIGITAL

Compensarea retelei de sprijin determinate prin masuratori GPS s-a realizat cu LEICA GEO OFFICE 7.01.

Compensarea retelei altimetrice s-a realizat cu LEICA GEO OFFICE 7.01.

Compensarea drumuirilor s-a realizat cu SYPREG.

Planul de situatie tridimensional si fisierele pentru softul de proiectare au fost realizate cu CadPillar 4.0..

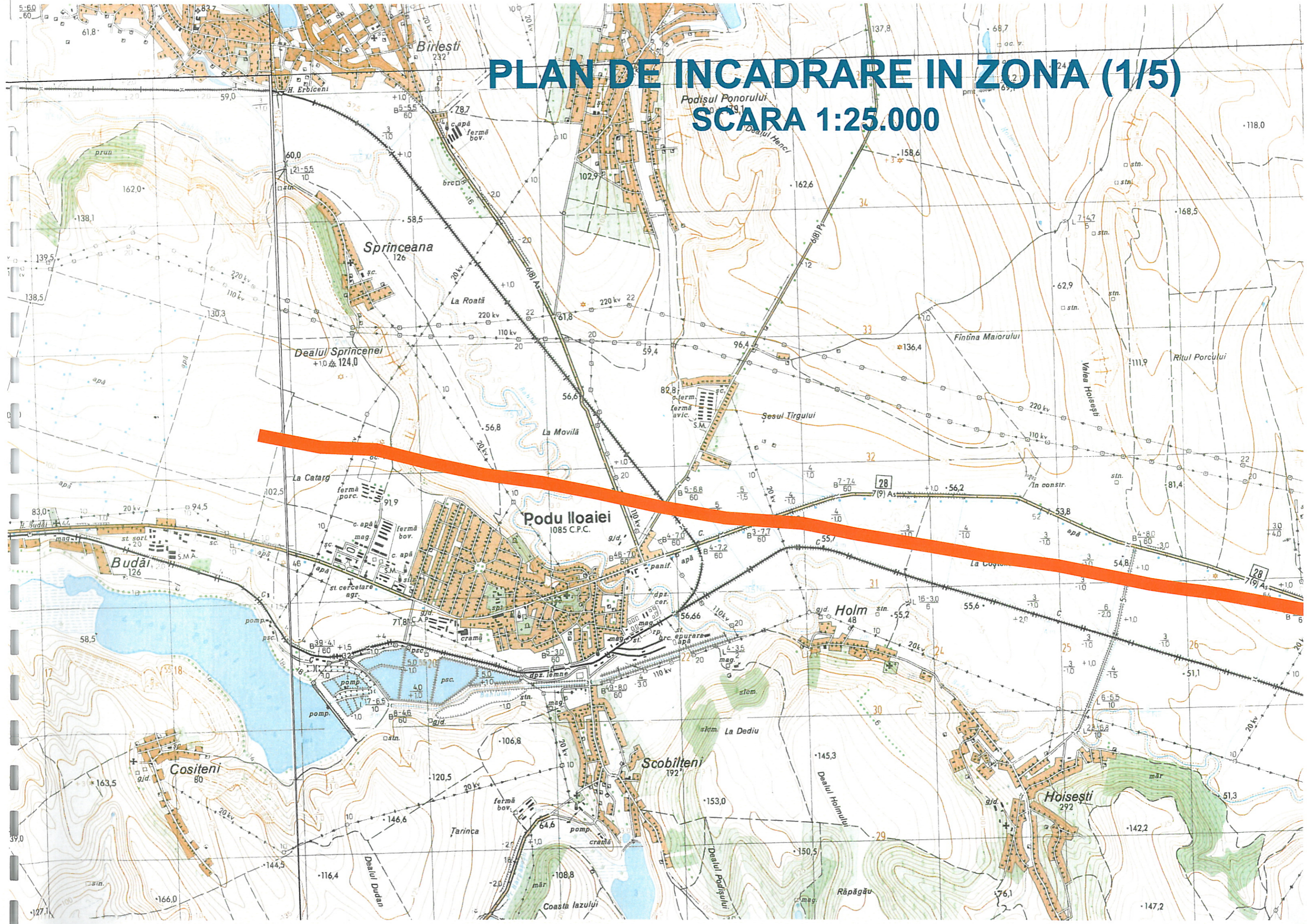
Prezentul studiu a fost realizat in luna mai 2010.



Plan de incadrare in zona scara 1:25.000

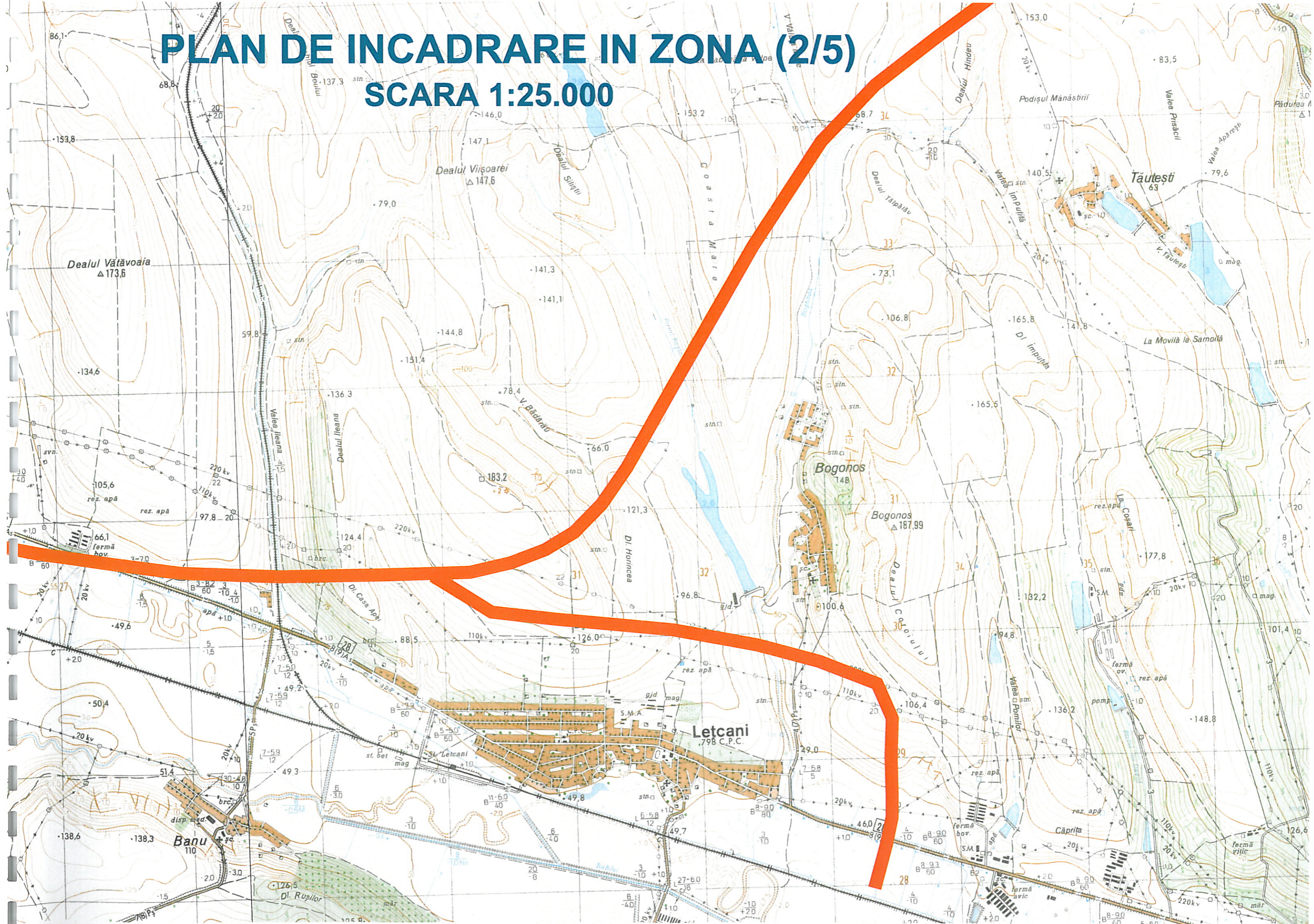
PLAN DE INCADRARE IN ZONA (1/5)

SCARA 1:25.000



PLAN DE INCADRARE IN ZONA (2/5)

SCARA 1:25.000



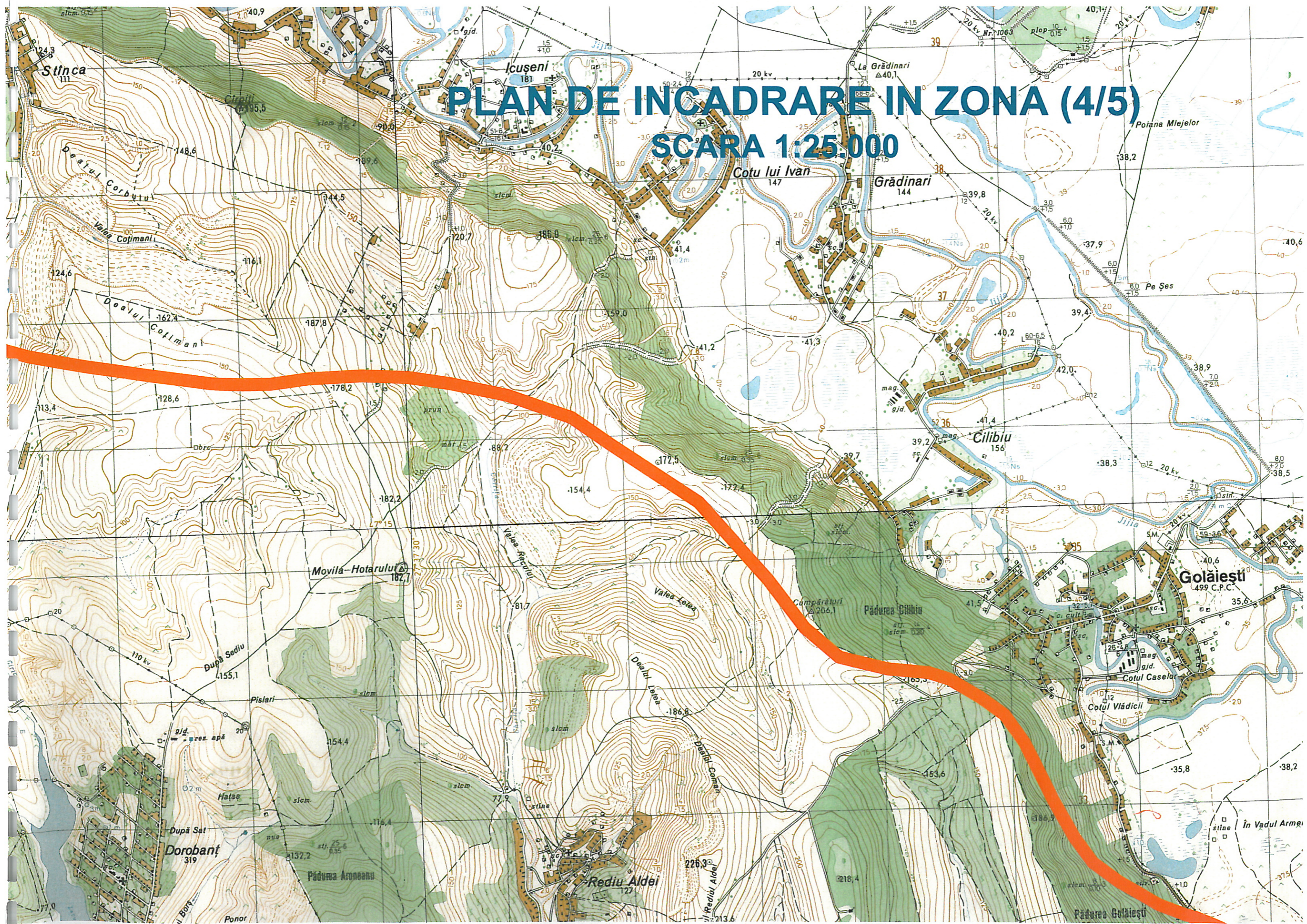
PLAN DE INCADRARE IN ZONA (3/5)

SCARA 1:25.000



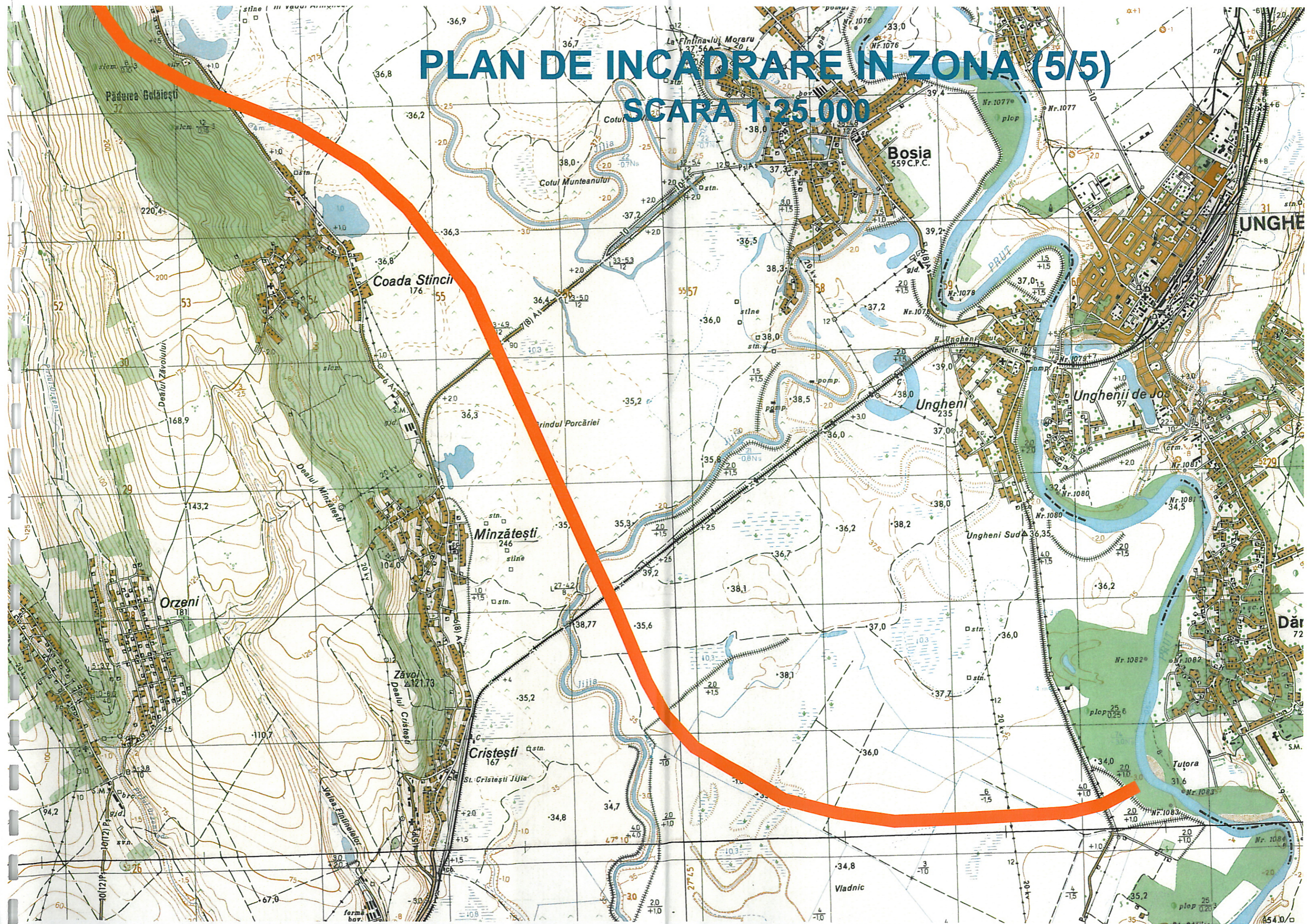
PLAN DE ÎNCADRARE ÎN ZONA (4/5)

SCARA 1:25.000



PLAN DE INCADRARE IN ZONA (5/5)

SCARA 1:25.000



Fisier masuratori prin metode clasice

NUME LUCRARE "AUTOSTRADA IASI"

OPERATOR : IVAN

Data executorii : 28. 4. 2010

| Pct | Hz | V | SD | HD | hr/hi | XXX | YYY | ZZZ | COD | Descriere |
|---------|----------|---------|---------|---------|-------|------------|------------|---------|-----|-----------|
| St: 100 | 0.0000 | | | | 1.643 | 300000.000 | 500000.000 | 100.000 | | |
| Or: 246 | 377.7443 | 98.8206 | 398.046 | 397.978 | 2.000 | 300373.905 | 499863.687 | 107.028 | 2 | AX |
| 101 | 377.7257 | 98.8755 | 397.922 | 397.859 | 1.550 | 300373.754 | 499863.618 | 107.132 | 1 | DR |
| 9001 | 381.9942 | 98.7967 | 469.144 | 469.059 | 2.000 | 300450.423 | 499869.096 | 108.525 | 0 | COTA |
| 9002 | 363.6001 | 98.8053 | 269.723 | 269.675 | 2.000 | 300226.782 | 499854.073 | 104.709 | 0 | COTA |
| 9003 | 370.7522 | 98.8457 | 319.713 | 319.660 | 2.000 | 300286.514 | 499858.253 | 105.447 | 0 | COTA |
| 9004 | 384.5515 | 98.7910 | 524.791 | 524.696 | 2.000 | 300509.323 | 499873.921 | 109.628 | 0 | COTA |
| 9005 | 386.2783 | 98.8364 | 392.982 | 392.916 | 2.000 | 300383.824 | 499915.965 | 106.836 | 2 | AX |
| 9006 | 390.0113 | 98.7724 | 518.018 | 517.921 | 2.000 | 300511.559 | 499919.070 | 109.650 | 0 | COTA |
| 9007 | 382.0928 | 98.8328 | 306.479 | 306.428 | 2.000 | 300294.385 | 499914.939 | 105.268 | 0 | COTA |
| 9008 | 378.0423 | 98.8497 | 252.333 | 252.292 | 2.000 | 300237.433 | 499914.697 | 104.206 | 0 | COTA |
| 9009 | 390.8897 | 98.7685 | 565.308 | 565.202 | 2.000 | 300559.424 | 499919.393 | 110.600 | 0 | COTA |
| 9010 | 394.1742 | 98.8325 | 394.612 | 394.545 | 2.000 | 300392.895 | 499963.945 | 106.890 | 2 | AX |
| 9011 | 391.4199 | 98.8356 | 238.490 | 238.450 | 2.000 | 300236.288 | 499967.960 | 104.009 | 0 | COTA |
| 9012 | 395.7344 | 98.8378 | 561.704 | 561.610 | 2.000 | 300560.350 | 499962.398 | 109.918 | 0 | COTA |
| 9013 | 393.1769 | 98.8889 | 300.692 | 300.646 | 2.000 | 300298.921 | 499967.839 | 104.897 | 0 | COTA |
| 9014 | 395.2988 | 98.8200 | 504.105 | 504.018 | 2.000 | 300502.644 | 499962.814 | 109.004 | 0 | COTA |
| 9015 | 1.7409 | 98.8561 | 401.974 | 401.908 | 2.000 | 300401.758 | 500010.989 | 106.876 | 2 | AX |
| 9016 | 2.9065 | 98.9667 | 303.163 | 303.122 | 2.000 | 300302.807 | 500013.834 | 104.569 | 0 | COTA |
| 9017 | 1.0755 | 98.9013 | 505.772 | 505.696 | 2.000 | 300505.624 | 500008.543 | 108.389 | 0 | COTA |
| 9018 | 0.8762 | 98.9139 | 558.026 | 557.944 | 2.000 | 300557.891 | 500007.679 | 109.184 | 0 | COTA |
| 9019 | 4.3618 | 99.0854 | 238.321 | 238.296 | 2.000 | 300237.737 | 500016.314 | 103.071 | 0 | COTA |
| 9020 | 9.2583 | 98.9661 | 414.995 | 414.940 | 2.000 | 300410.560 | 500060.132 | 106.394 | 2 | AX |
| 9021 | 5.4617 | 98.9972 | 563.989 | 563.918 | 2.000 | 300561.844 | 500048.320 | 108.548 | 0 | COTA |
| 9022 | 18.6923 | 99.1703 | 257.418 | 257.396 | 2.000 | 300246.380 | 500074.495 | 103.002 | 0 | COTA |
| 9023 | 5.1787 | 99.0061 | 610.931 | 610.856 | 2.000 | 300608.836 | 500049.636 | 109.206 | 0 | COTA |
| 9024 | 14.9938 | 99.0313 | 300.147 | 300.112 | 2.000 | 300291.827 | 500070.031 | 104.216 | 0 | COTA |
| 9025 | 16.2479 | 99.1565 | 431.632 | 431.594 | 2.000 | 300417.613 | 500108.960 | 105.375 | 2 | AX |
| 9026 | 9.4468 | 99.0386 | 626.147 | 626.074 | 2.000 | 300619.194 | 500092.563 | 109.125 | 0 | COTA |

| | | | | | | | | | | |
|------|---------|----------|---------|---------|-------|------------|------------|---------|---|------|
| 9027 | 23.8671 | 99.1714 | 322.265 | 322.238 | 2.000 | 300299.856 | 500117.998 | 103.844 | 0 | COTA |
| 9028 | 30.7886 | 99.3482 | 270.841 | 270.826 | 2.000 | 300239.766 | 500125.932 | 102.421 | 0 | COTA |
| 9029 | 11.0918 | 99.1131 | 559.854 | 559.799 | 2.000 | 300551.324 | 500097.041 | 107.463 | 0 | COTA |
| 9030 | 22.4168 | 99.3030 | 455.188 | 455.160 | 2.000 | 300427.233 | 500156.980 | 104.641 | 2 | AX |
| 9031 | 39.8650 | 99.5588 | 306.450 | 306.442 | 2.000 | 300248.298 | 500179.596 | 101.773 | 0 | COTA |
| 9032 | 15.4763 | 99.1517 | 580.632 | 580.579 | 2.000 | 300563.508 | 500139.754 | 107.403 | 0 | COTA |
| 9033 | 33.1786 | 99.4282 | 348.310 | 348.296 | 2.000 | 300302.056 | 500173.414 | 102.780 | 0 | COTA |
| 9034 | 12.6930 | 99.0746 | 639.333 | 639.265 | 2.000 | 300626.601 | 500126.614 | 108.964 | 0 | COTA |
| 9035 | 28.3482 | 99.4736 | 481.698 | 481.681 | 2.000 | 300434.709 | 500207.471 | 103.642 | 2 | AX |
| 9036 | 39.4156 | 99.6414 | 381.955 | 381.949 | 2.000 | 300311.051 | 500221.658 | 101.805 | 0 | COTA |
| 9037 | 17.7016 | 99.1189 | 668.871 | 668.806 | 2.000 | 300643.118 | 500183.579 | 108.931 | 0 | COTA |
| 9038 | 45.9987 | 99.7691 | 345.719 | 345.717 | 2.000 | 300259.331 | 500228.621 | 100.905 | 0 | COTA |
| 9039 | 19.9816 | 99.1984 | 623.135 | 623.085 | 2.000 | 300592.645 | 500192.373 | 107.515 | 0 | COTA |
| 9040 | 33.3810 | 99.5413 | 512.634 | 512.621 | 2.000 | 300443.750 | 500256.643 | 103.354 | 2 | AX |
| 9041 | 51.0354 | 99.9555 | 385.110 | 385.109 | 2.000 | 300267.849 | 500276.706 | 99.922 | 0 | COTA |
| 9042 | 23.9375 | 99.2299 | 647.385 | 647.337 | 2.000 | 300602.112 | 500237.710 | 107.503 | 0 | COTA |
| 9043 | 44.3163 | 99.7873 | 422.020 | 422.018 | 2.000 | 300323.830 | 500270.617 | 101.065 | 0 | COTA |
| 9044 | 27.5601 | 99.3504 | 586.668 | 586.636 | 2.000 | 300532.518 | 500246.104 | 105.652 | 0 | COTA |
| 9045 | 38.8745 | 99.6164 | 547.747 | 547.736 | 2.000 | 300448.750 | 500314.068 | 102.964 | 2 | AX |
| 9046 | 31.9777 | 99.3853 | 621.412 | 621.382 | 2.000 | 300544.626 | 500299.163 | 105.669 | 0 | COTA |
| 9047 | 49.6223 | 99.9691 | 472.865 | 472.865 | 2.000 | 300336.344 | 500332.376 | 99.888 | 0 | COTA |
| 9048 | 56.6517 | 100.0965 | 440.852 | 440.852 | 2.000 | 300277.518 | 500342.541 | 98.988 | 0 | COTA |
| 9049 | 29.3311 | 99.3145 | 659.720 | 659.681 | 2.000 | 300590.894 | 500293.297 | 106.777 | 0 | COTA |
| 9050 | 42.0323 | 99.6717 | 581.857 | 581.849 | 2.000 | 300459.570 | 500356.853 | 102.666 | 2 | AX |
| 9051 | 59.5711 | 100.1833 | 491.216 | 491.214 | 2.000 | 300291.399 | 500395.446 | 98.245 | 0 | COTA |
| 9052 | 32.0130 | 99.3522 | 680.478 | 680.442 | 2.000 | 300596.209 | 500327.927 | 106.598 | 0 | COTA |
| 9053 | 52.9720 | 99.9981 | 517.618 | 517.618 | 2.000 | 300348.532 | 500382.693 | 99.677 | 0 | COTA |
| 9054 | 45.3856 | 99.7154 | 619.289 | 619.282 | 2.000 | 300468.462 | 500405.036 | 102.437 | 2 | AX |
| 9055 | 55.4719 | 100.0178 | 556.908 | 556.908 | 2.000 | 300358.533 | 500426.145 | 99.509 | 0 | COTA |
| 9056 | 33.1765 | 99.3383 | 740.336 | 740.295 | 2.000 | 300642.025 | 500368.567 | 107.375 | 0 | COTA |
| 9057 | 60.6758 | 100.2128 | 532.665 | 532.663 | 2.000 | 300308.499 | 500434.233 | 97.882 | 0 | COTA |
| 9058 | 37.1232 | 99.4433 | 693.097 | 693.070 | 2.000 | 300578.535 | 500381.632 | 105.737 | 0 | COTA |

| | | | | | | | | | | |
|---------|----------|----------|---------|---------|-------|------------|------------|---------|----|------|
| 9059 | 48.4998 | 99.7595 | 658.824 | 658.819 | 2.000 | 300476.703 | 500454.749 | 102.162 | 2 | AX |
| 9060 | 40.0826 | 99.5210 | 730.746 | 730.724 | 2.000 | 300590.610 | 500430.276 | 105.178 | 0 | COTA |
| 9061 | 62.7762 | 100.1919 | 584.357 | 584.354 | 2.000 | 300322.539 | 500487.277 | 97.905 | 0 | COTA |
| 9062 | 37.4069 | 99.4213 | 761.974 | 761.942 | 2.000 | 300634.150 | 500422.385 | 106.609 | 0 | COTA |
| 9063 | 57.6678 | 100.0295 | 605.901 | 605.901 | 2.000 | 300373.854 | 500476.811 | 99.387 | 0 | COTA |
| 102 | 48.6260 | 99.7962 | 660.522 | 660.518 | 1.550 | 300477.028 | 500456.869 | 102.237 | 1 | DR |
| St: 102 | | | | | 1.660 | 300477.028 | 500456.869 | 102.237 | | |
| Or: 100 | 248.6260 | | | | | | | | | |
| 100 | 248.6245 | 100.1850 | 660.517 | 660.514 | 2.000 | 299999.992 | 500000.014 | 100.008 | 1 | DR |
| 9064 | 90.8918 | 100.4215 | 47.282 | 47.281 | 2.000 | 300483.769 | 500503.666 | 101.584 | 2 | AX |
| 9065 | 160.9682 | 101.5591 | 111.118 | 111.085 | 2.000 | 300386.175 | 500520.788 | 99.177 | 0 | COTA |
| 9066 | 23.4096 | 98.4770 | 89.189 | 89.163 | 2.000 | 300560.230 | 500488.921 | 104.031 | 0 | COTA |
| 9067 | 168.6572 | 101.7024 | 167.115 | 167.055 | 2.000 | 300329.813 | 500535.832 | 97.431 | 0 | COTA |
| 9068 | 9.8545 | 98.4224 | 135.114 | 135.072 | 2.000 | 300610.485 | 500477.694 | 105.246 | 0 | COTA |
| 9069 | 89.2799 | 100.4777 | 97.219 | 97.216 | 2.000 | 300493.321 | 500552.709 | 101.168 | 2 | AX |
| 9070 | 154.9558 | 101.7163 | 185.473 | 185.405 | 2.000 | 300336.128 | 500577.378 | 96.900 | 0 | COTA |
| 9071 | 28.6338 | 98.7526 | 161.153 | 161.122 | 2.000 | 300622.125 | 500526.919 | 105.057 | 0 | COTA |
| 9072 | 146.0776 | 98.3214 | 138.059 | 138.011 | 0.000 | 300385.633 | 500560.281 | 107.538 | 97 | LIM |
| 9073 | 138.1855 | 101.4594 | 140.471 | 140.434 | 2.000 | 300397.754 | 500572.788 | 98.679 | 0 | COTA |
| 9074 | 42.3230 | 99.0813 | 129.305 | 129.292 | 2.000 | 300578.785 | 500536.630 | 103.764 | 0 | COTA |
| 9075 | 90.4576 | 100.4841 | 148.746 | 148.742 | 2.000 | 300499.240 | 500603.943 | 100.768 | 2 | AX |
| 9076 | 128.0529 | 101.3732 | 172.941 | 172.901 | 2.000 | 300403.280 | 500613.253 | 98.169 | 2 | AX |
| 9077 | 53.2407 | 99.4466 | 170.862 | 170.856 | 2.000 | 300591.537 | 500583.673 | 103.384 | 2 | AX |
| 9078 | 142.2046 | 101.6945 | 204.347 | 204.274 | 2.000 | 300351.308 | 500617.874 | 96.462 | 0 | COTA |
| 9079 | 38.9635 | 98.9953 | 199.079 | 199.055 | 2.000 | 300639.950 | 500571.233 | 105.042 | 0 | COTA |
| 9080 | 90.3311 | 100.5068 | 200.412 | 200.405 | 2.000 | 300507.348 | 500654.967 | 100.305 | 2 | AX |
| 9081 | 49.0380 | 99.2569 | 244.149 | 244.133 | 2.000 | 300652.244 | 500626.868 | 104.751 | 0 | COTA |
| 9082 | 135.1854 | 101.5891 | 234.449 | 234.376 | 2.000 | 300353.985 | 500656.350 | 96.049 | 0 | COTA |
| 9083 | 38.3088 | 99.0169 | 270.316 | 270.283 | 2.000 | 300699.834 | 500609.873 | 106.077 | 0 | COTA |
| 9084 | 119.0479 | 101.2277 | 212.053 | 212.014 | 2.000 | 300414.535 | 500659.463 | 97.811 | 0 | COTA |
| 9085 | 45.0161 | 99.2192 | 300.756 | 300.733 | 2.000 | 300705.658 | 500652.237 | 105.592 | 0 | COTA |
| 9086 | 91.4912 | 100.5371 | 251.709 | 251.700 | 2.000 | 300510.569 | 500706.324 | 99.778 | 2 | AX |
| 9087 | 113.5789 | 101.1739 | 277.595 | 277.548 | 2.000 | 300418.276 | 500728.127 | 96.784 | 0 | COTA |

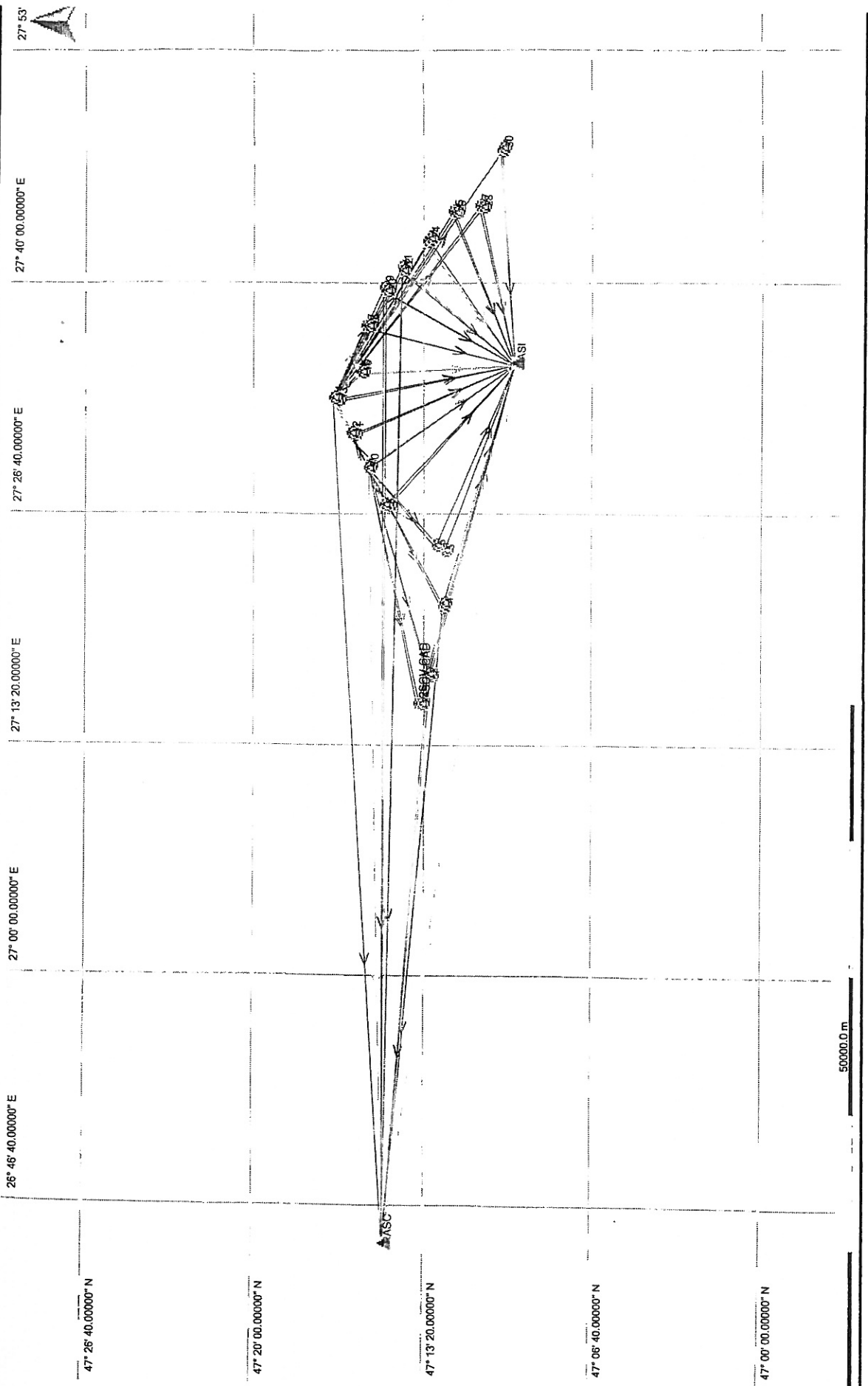
| | | | | | | | | | | |
|---------|----------|----------|---------|---------|-------|------------|------------|---------|---|------|
| 9088 | 57.6304 | 99.4718 | 273.954 | 273.945 | 2.000 | 300646.184 | 500672.349 | 104.175 | 0 | COTA |
| 9089 | 126.2475 | 101.4632 | 302.644 | 302.565 | 2.000 | 300355.786 | 500734.079 | 94.948 | 0 | COTA |
| 9090 | 60.9249 | 99.5999 | 314.464 | 314.458 | 2.000 | 300658.146 | 500713.929 | 103.881 | 0 | COTA |
| 9091 | 90.3638 | 100.4722 | 301.611 | 301.603 | 2.000 | 300522.506 | 500755.023 | 99.666 | 2 | AX |
| 9092 | 123.6104 | 101.4243 | 337.164 | 337.080 | 2.000 | 300354.861 | 500771.031 | 94.362 | 0 | COTA |
| 9093 | 70.9330 | 99.8320 | 303.663 | 303.662 | 2.000 | 300610.907 | 500729.425 | 102.705 | 0 | COTA |
| 9094 | 115.3247 | 101.2348 | 317.806 | 317.746 | 2.000 | 300401.277 | 500765.453 | 95.740 | 0 | COTA |
| 9095 | 90.2156 | 100.4508 | 351.202 | 351.193 | 2.000 | 300530.791 | 500803.922 | 99.419 | 2 | AX |
| 9096 | 73.0983 | 99.9884 | 342.551 | 342.551 | 2.000 | 300617.510 | 500769.288 | 101.968 | 0 | COTA |
| 9097 | 109.2699 | 101.0354 | 387.857 | 387.806 | 2.000 | 300420.758 | 500840.571 | 95.600 | 0 | COTA |
| 9098 | 62.5928 | 99.7922 | 346.063 | 346.061 | 2.000 | 300668.869 | 500744.888 | 103.035 | 0 | COTA |
| 9099 | 118.0253 | 101.2917 | 419.444 | 419.358 | 2.000 | 300359.871 | 500859.529 | 93.400 | 0 | COTA |
| 103 | 72.2930 | 100.2169 | 389.034 | 389.032 | 2.000 | 300641.047 | 500809.634 | 100.582 | 1 | DR |
| St: 103 | | | | | 1.634 | 300641.047 | 500809.634 | 100.582 | | |
| Or: 102 | 272.2930 | | | | | | | | | |
| 102 | 272.2944 | 99.5911 | 389.032 | 389.024 | 2.500 | 300477.038 | 500456.872 | 102.225 | 1 | DR |
| 9100 | 12.1227 | 110.9744 | 54.834 | 54.021 | 0.000 | 300694.092 | 500819.858 | 92.811 | 0 | COTA |
| 9101 | 28.8995 | 116.4916 | 50.158 | 48.484 | 0.000 | 300684.621 | 500830.895 | 89.368 | 0 | COTA |
| 9102 | 23.9433 | 114.0083 | 67.189 | 65.569 | 0.000 | 300702.033 | 500833.717 | 87.551 | 0 | COTA |
| 9103 | 174.8749 | 100.9403 | 106.970 | 106.958 | 2.000 | 300542.311 | 500850.759 | 98.637 | 2 | AX |
| 9104 | 265.3751 | 97.0794 | 13.295 | 13.281 | 2.000 | 300634.175 | 500798.269 | 100.826 | 0 | COTA |
| 9105 | 154.3875 | 101.7542 | 159.657 | 159.597 | 2.000 | 300520.692 | 500914.446 | 95.819 | 0 | COTA |
| 9106 | 344.6887 | 97.8005 | 71.783 | 71.741 | 2.000 | 300687.372 | 500754.854 | 102.696 | 0 | COTA |
| 9107 | 107.9139 | 115.6742 | 76.156 | 73.860 | 0.000 | 300631.889 | 500882.923 | 83.655 | 0 | COTA |
| 9108 | 145.0271 | 107.6529 | 108.188 | 107.407 | 2.000 | 300571.257 | 500891.277 | 87.243 | 0 | COTA |
| 9109 | 381.1269 | 102.2588 | 79.315 | 79.265 | 2.000 | 300716.855 | 500786.478 | 97.403 | 0 | COTA |
| 9110 | 387.4722 | 104.1313 | 78.909 | 78.743 | 2.000 | 300718.270 | 500794.238 | 95.100 | 0 | COTA |
| 9111 | 390.5159 | 103.5867 | 78.872 | 78.747 | 2.000 | 300718.922 | 500797.946 | 95.775 | 0 | COTA |
| 9112 | 8.2737 | 105.5198 | 85.771 | 85.449 | 2.000 | 300725.776 | 500820.708 | 92.789 | 0 | COTA |
| 9113 | 10.4614 | 106.4252 | 87.408 | 86.964 | 2.000 | 300726.840 | 500823.860 | 91.410 | 0 | COTA |
| 9114 | 12.4910 | 106.6978 | 89.021 | 88.529 | 2.000 | 300727.878 | 500826.893 | 90.868 | 0 | COTA |
| 9115 | 16.6205 | 108.5779 | 94.365 | 93.510 | 2.000 | 300731.388 | 500833.770 | 87.541 | 0 | COTA |
| 9116 | 135.2343 | 108.3556 | 158.953 | 157.586 | 2.000 | 300558.215 | 500943.694 | 79.415 | 2 | AX |

| | | | | | | | | | | |
|------|----------|----------|---------|---------|-------|------------|------------|--------|---|------|
| 9117 | 132.9815 | 107.5648 | 196.161 | 194.778 | 2.000 | 300544.592 | 500978.852 | 76.964 | 0 | COTA |
| 9118 | 32.4218 | 109.1723 | 108.892 | 107.764 | 2.000 | 300735.135 | 500862.174 | 84.582 | 0 | COTA |
| 9119 | 127.3628 | 109.6524 | 172.465 | 170.487 | 2.000 | 300570.005 | 500964.614 | 74.169 | 0 | COTA |
| 9120 | 131.2175 | 107.6253 | 217.277 | 215.721 | 2.000 | 300539.454 | 500999.935 | 74.257 | 0 | COTA |
| 9121 | 56.3422 | 111.4563 | 98.593 | 97.001 | 2.000 | 300702.475 | 500884.705 | 82.570 | 0 | COTA |
| 9122 | 62.3110 | 112.4296 | 111.516 | 109.398 | 2.000 | 300702.095 | 500900.414 | 78.582 | 0 | COTA |
| 9123 | 122.4414 | 109.9731 | 187.429 | 185.134 | 2.000 | 300577.129 | 500983.384 | 70.977 | 0 | COTA |
| 9124 | 63.5845 | 111.8231 | 120.979 | 118.899 | 2.000 | 300705.410 | 500909.605 | 77.878 | 0 | COTA |
| 9125 | 120.0232 | 110.8597 | 203.767 | 200.811 | 2.000 | 300578.924 | 501000.593 | 65.628 | 0 | COTA |
| 9126 | 129.0600 | 106.0859 | 290.883 | 289.556 | 2.000 | 300513.415 | 501069.543 | 72.457 | 0 | COTA |
| 9127 | 63.9795 | 111.9949 | 179.898 | 176.715 | 2.000 | 300735.784 | 500958.809 | 66.523 | 0 | COTA |
| 9128 | 124.8880 | 107.1777 | 290.021 | 288.181 | 2.000 | 300531.234 | 501076.072 | 67.592 | 0 | COTA |
| 9129 | 123.9722 | 109.7248 | 203.875 | 201.501 | 2.000 | 300566.952 | 500997.017 | 69.197 | 0 | COTA |
| 9130 | 123.9710 | 109.7244 | 203.886 | 201.513 | 2.000 | 300566.951 | 500997.029 | 69.196 | 2 | AX |
| 9131 | 66.3202 | 111.3750 | 246.177 | 242.259 | 2.000 | 300763.317 | 501018.774 | 56.468 | 0 | COTA |
| 9132 | 64.5987 | 109.8339 | 295.288 | 291.774 | 2.000 | 300795.064 | 501057.446 | 54.790 | 0 | COTA |
| 9133 | 115.1275 | 110.6115 | 224.578 | 221.466 | 2.000 | 300588.916 | 501024.877 | 62.959 | 0 | COTA |
| 9134 | 123.9336 | 105.9590 | 354.202 | 352.653 | 2.000 | 300511.569 | 501137.657 | 67.118 | 0 | COTA |
| 9135 | 115.1075 | 110.6070 | 224.480 | 221.372 | 2.000 | 300589.006 | 501024.802 | 62.991 | 0 | COTA |
| 9136 | 121.0696 | 106.2434 | 350.413 | 348.731 | 2.000 | 300527.727 | 501139.439 | 65.914 | 0 | COTA |
| 9137 | 63.7772 | 108.6742 | 343.446 | 340.265 | 2.000 | 300824.375 | 501096.289 | 53.573 | 0 | COTA |
| 9138 | 117.3580 | 106.5571 | 353.175 | 351.305 | 2.000 | 300546.443 | 501147.961 | 63.912 | 0 | COTA |
| 9139 | 117.6103 | 109.4993 | 251.499 | 248.706 | 2.000 | 300573.124 | 501048.884 | 62.832 | 0 | COTA |
| 9140 | 117.6196 | 109.4993 | 251.439 | 248.646 | 2.000 | 300573.105 | 501048.817 | 62.841 | 2 | AX |
| 9141 | 73.3325 | 108.1824 | 360.948 | 357.973 | 2.000 | 300786.652 | 501136.656 | 53.960 | 0 | COTA |
| 9142 | 76.6238 | 109.2091 | 319.880 | 316.541 | 2.000 | 300754.684 | 501105.074 | 54.112 | 0 | COTA |
| 9143 | 115.7012 | 105.7770 | 410.416 | 408.729 | 2.000 | 300541.259 | 501205.995 | 63.036 | 0 | COTA |
| 9144 | 112.7804 | 109.3001 | 294.249 | 291.117 | 2.000 | 300582.996 | 501094.904 | 57.389 | 2 | AX |
| 9145 | 81.0386 | 110.7819 | 273.512 | 269.600 | 2.000 | 300720.165 | 501067.364 | 54.120 | 0 | COTA |
| 9146 | 113.0714 | 106.4990 | 412.214 | 410.070 | 2.000 | 300557.440 | 501211.090 | 58.219 | 0 | COTA |
| 9147 | 84.0906 | 112.0678 | 241.566 | 237.240 | 2.000 | 300699.719 | 501039.504 | 54.702 | 0 | COTA |
| 9148 | 88.1802 | 112.7566 | 211.722 | 207.487 | 2.000 | 300679.350 | 501013.554 | 58.078 | 0 | COTA |

| | | | | | | | | | | |
|------|----------|----------|---------|---------|-------|------------|------------|--------|---|------|
| 9181 | 101.8792 | 105.5923 | 535.014 | 532.955 | 2.000 | 300625.318 | 501342.356 | 53.298 | 2 | AX |
| 9182 | 107.9551 | 105.0257 | 585.002 | 583.184 | 2.000 | 300568.363 | 501388.270 | 54.106 | 0 | COTA |
| 104 | 103.6877 | 105.7033 | 519.225 | 517.146 | 1.550 | 300611.107 | 501325.912 | 54.230 | 1 | DR |
| 9183 | 108.7740 | 104.8683 | 592.210 | 590.483 | 1.550 | 300559.923 | 501394.518 | 55.447 | 0 | COTA |
| 9184 | 108.8546 | 104.8993 | 593.057 | 591.306 | 1.550 | 300559.069 | 501395.229 | 55.095 | 0 | COTA |
| 9185 | 109.1056 | 104.7430 | 594.324 | 592.679 | 1.550 | 300556.565 | 501396.261 | 56.452 | 0 | COTA |
| 9186 | 110.0660 | 104.7277 | 575.222 | 573.640 | 1.550 | 300550.723 | 501376.118 | 58.010 | 0 | COTA |
| 9187 | 109.6916 | 104.8632 | 573.675 | 572.005 | 1.550 | 300554.304 | 501375.024 | 56.907 | 0 | COTA |
| 9188 | 109.3554 | 104.7975 | 572.902 | 571.280 | 1.550 | 300557.397 | 501374.756 | 57.556 | 0 | COTA |
| 9189 | 108.9256 | 104.5672 | 614.164 | 612.588 | 1.550 | 300555.442 | 501416.211 | 56.669 | 0 | COTA |
| 9190 | 110.0368 | 104.2387 | 617.150 | 615.786 | 1.550 | 300544.365 | 501417.783 | 59.631 | 0 | COTA |
| 9191 | 110.4886 | 104.0433 | 618.230 | 616.987 | 1.550 | 300539.855 | 501418.266 | 61.454 | 0 | COTA |
| 9192 | 111.5247 | 104.9170 | 532.640 | 531.056 | 1.550 | 300545.434 | 501332.011 | 59.588 | 0 | COTA |
| 9193 | 111.7878 | 104.9947 | 533.407 | 531.770 | 1.550 | 300543.145 | 501332.313 | 58.880 | 0 | COTA |
| 9194 | 112.0901 | 104.8692 | 534.102 | 532.544 | 1.550 | 300540.519 | 501332.603 | 59.874 | 0 | COTA |
| 9195 | 112.0448 | 103.8471 | 591.752 | 590.675 | 1.550 | 300529.958 | 501389.768 | 64.952 | 0 | COTA |
| 9196 | 113.3320 | 104.9002 | 530.182 | 528.615 | 1.550 | 300531.153 | 501326.700 | 59.917 | 0 | COTA |
| 9197 | 112.9667 | 103.8627 | 593.876 | 592.786 | 1.550 | 300521.141 | 501390.166 | 64.679 | 0 | COTA |
| 9198 | 115.1328 | 103.3851 | 587.232 | 586.405 | 1.550 | 300502.965 | 501379.549 | 69.479 | 0 | COTA |
| 9199 | 114.3435 | 104.5431 | 527.830 | 526.490 | 1.550 | 300523.426 | 501322.817 | 63.049 | 0 | COTA |
| 9200 | 116.3779 | 103.1933 | 580.079 | 579.352 | 1.550 | 300493.640 | 501369.919 | 71.604 | 0 | COTA |
| 9201 | 116.8703 | 104.3509 | 520.415 | 519.203 | 1.550 | 300505.065 | 501310.712 | 65.145 | 0 | COTA |
| 9202 | 118.0288 | 103.1870 | 571.205 | 570.492 | 1.550 | 300481.637 | 501357.401 | 72.105 | 0 | COTA |
| 9203 | 117.6311 | 104.1407 | 517.942 | 516.850 | 1.550 | 300499.729 | 501306.788 | 67.020 | 0 | COTA |
| 9204 | 119.2845 | 102.9779 | 564.766 | 564.150 | 1.550 | 300472.756 | 501348.097 | 74.279 | 0 | COTA |
| 9205 | 119.6484 | 103.7169 | 514.786 | 513.911 | 1.550 | 300484.942 | 501299.262 | 70.645 | 0 | COTA |
| 9206 | 120.0282 | 103.3337 | 550.608 | 549.856 | 1.550 | 300470.901 | 501332.502 | 71.867 | 0 | COTA |
| 9207 | 121.6143 | 103.4948 | 507.924 | 507.161 | 2.000 | 300472.147 | 501287.843 | 72.365 | 0 | COTA |
| 9208 | 127.0015 | 103.3158 | 447.386 | 446.781 | 2.000 | 300457.181 | 501216.826 | 76.938 | 0 | COTA |
| 23 | 390.4284 | 100.4316 | 361.008 | 361.000 | 2.500 | 300997.974 | 500755.561 | 97.278 | 1 | DR |
| 24 | 391.1678 | 100.0680 | 232.672 | 232.672 | 2.000 | 300871.484 | 500777.457 | 99.971 | 1 | DR |

Retea GPS

las12



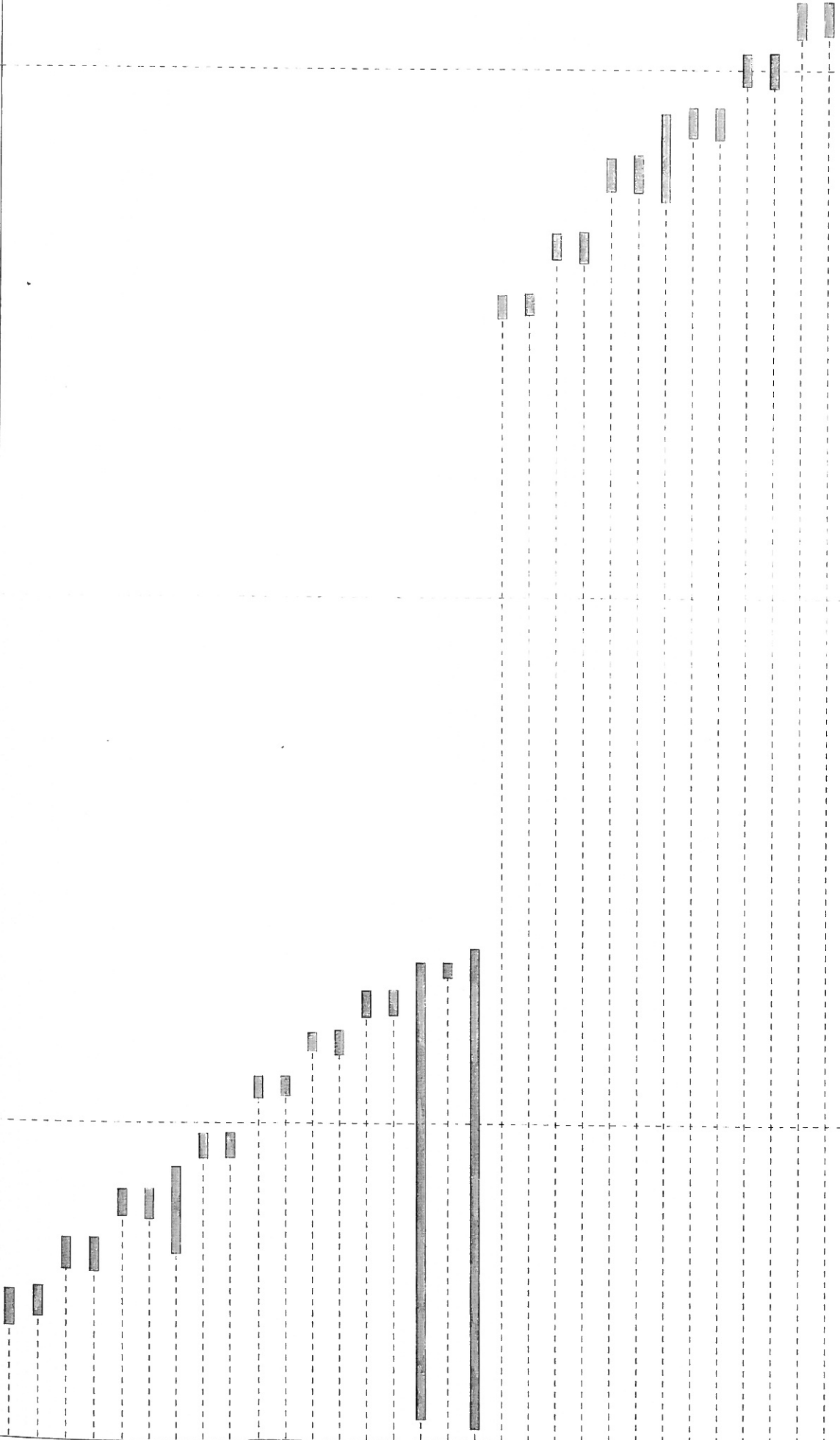
- Estimated
- Navigated
- SPP
- Measured
- Average
- Reference
- Adjusted
- Control - 1D
- Control - 2D
- Control - 3D

| Point Id | Point Class | Start | Duration | GNSS Type | Type | Height Rea... | Antenna Type |
|-----------|-------------|---------------------|-------------|--------------|--------|---------------|------------------|
| 22SOV-CAD | Adjusted | 04/10/2010 09:18:00 | 50' 02" | GPS/GLONA... | Static | 1.3050 | ATX900 GG Tripod |
| 24SOV-CAD | Adjusted | 04/10/2010 09:31:50 | 42' 01" | GPS | Static | 2.0000 | AX1202 Pole |
| 2 | Adjusted | 04/10/2010 10:38:00 | 43' 33" | GPS/GLONA... | Static | 0.9910 | ATX900 GG Tripod |
| 1 | Adjusted | 04/10/2010 10:34:54 | 46' 49" | GPS | Static | 2.0000 | AX1202 Pole |
| 3 | Adjusted | 04/10/2010 11:51:37 | 37' 15" | GPS | Static | 2.0000 | AX1202 Pole |
| 4 | Adjusted | 04/10/2010 11:47:31 | 42' 01" | GPS/GLONA... | Static | 1.3050 | ATX900 GG Tripod |
| PASC | Control | 04/10/2010 10:59:45 | 2h 00' 00" | GPS | Static | 0.0000 | LEIAT504GG LEIS |
| 6 | Adjusted | 04/10/2010 13:11:01 | 34' 12" | GPS | Static | 2.0000 | AX1202 Pole |
| 5 | Adjusted | 04/10/2010 13:11:56 | 34' 09" | GPS/GLONA... | Static | 1.2370 | ATX900 GG Tripod |
| 7 | Adjusted | 04/10/2010 14:34:02 | 30' 01" | GPS | Static | 2.0000 | AX1202 Pole |
| 8 | Adjusted | 04/10/2010 14:37:32 | 26' 39" | GPS/GLONA... | Static | 1.2700 | ATX900 GG Tripod |
| 12 | Adjusted | 04/10/2010 15:39:02 | 25' 00" | GPS/GLONA... | Static | 1.2170 | ATX900 GG Tripod |
| 11 | Adjusted | 04/10/2010 15:33:37 | 34' 19" | GPS | Static | 2.0000 | AX1202 Pole |
| 13 | Adjusted | 04/10/2010 16:25:34 | 36' 17" | GPS | Static | 2.0000 | AX1202 Pole |
| 14 | Adjusted | 04/10/2010 16:27:59 | 34' 28" | GPS/GLONA... | Static | 1.3610 | ATX900 GG Tripod |
| 10 | Adjusted | 04/10/2010 07:12:38 | 10h 27' 47" | GPS | Static | 1.2990 | AX1202 Tripod |
| 9 | Adjusted | 04/10/2010 17:19:37 | 20' 48" | GPS | Static | 2.0000 | AX1202 Pole |
| IASI | Control | 04/10/2010 06:59:45 | 11h 00' 00" | GPS | Static | 0.0000 | TPSCR.G3 TPESH |
| 16 | Adjusted | 04/11/2010 08:19:51 | 32' 10" | GPS | Static | 2.0000 | AX1202 Pole |
| 15 | Adjusted | 04/11/2010 08:25:15 | 29' 02" | GPS/GLONA... | Static | 1.2560 | ATX900 GG Tripod |
| 18 | Adjusted | 04/11/2010 09:41:02 | 35' 22" | GPS/GLONA... | Static | 1.2910 | ATX900 GG Tripod |
| 17 | Adjusted | 04/11/2010 09:36:18 | 42' 30" | GPS | Static | 2.0000 | AX1202 Pole |
| 20 | Adjusted | 04/11/2010 11:13:48 | 45' 44" | GPS | Static | 2.0000 | AX1202 Pole |
| 19 | Adjusted | 04/11/2010 11:11:52 | 51' 47" | GPS/GLONA... | Static | 1.2740 | ATX900 GG Tripod |
| PASC | Control | 04/11/2010 10:59:45 | 2h 00' 00" | GPS | Static | 0.0000 | LEIAT504GG LEIS |
| 22 | Adjusted | 04/11/2010 12:26:55 | 41' 25" | GPS/GLONA... | Static | 1.2710 | ATX900 GG Tripod |
| 21 | Adjusted | 04/11/2010 12:24:18 | 44' 05" | GPS | Static | 2.0000 | AX1202 Pole |
| 23 | Adjusted | 04/11/2010 13:37:52 | 44' 12" | GPS/GLONA... | Static | 0.4450 | ATX900 GG Tripod |
| 24 | Adjusted | 04/11/2010 13:35:02 | 48' 03" | GPS | Static | 2.0000 | AX1202 Pole |
| 26 | Adjusted | 04/11/2010 14:42:31 | 50' 14" | GPS | Static | 2.0000 | AX1202 Pole |
| 25 | Adjusted | 04/11/2010 14:47:15 | 46' 23" | GPS/GLONA... | Static | 1.2740 | ATX900 GG Tripod |

| Point Id | Point Class | Start | Duration | GNSS Type | Type | Height Rea... | Antenna Type |
|----------|-------------|---------------------|-------------|--------------|--------|---------------|------------------|
| 28 | Adjusted | 04/11/2010 15:55:24 | 52' 00" | GPS | Static | 2.0000 | AX1202 Pole |
| 27 | Adjusted | 04/11/2010 16:00:34 | 47' 05" | GPS/GLONA... | Static | 0.9400 | ATX900 GG Tripod |
| 29 | Adjusted | 04/11/2010 17:25:58 | 57' 22" | GPS | Static | 2.0000 | AX1202 Pole |
| 30 | Adjusted | 04/11/2010 17:28:03 | 55' 48" | GPS/GLONA... | Static | 0.9620 | ATX900 GG Tripod |
| 14 | Adjusted | 04/11/2010 07:53:35 | 10h 32' 01" | GPS | Static | 1.2580 | AX1202 Tripod |
| IASI | Control | 04/11/2010 07:59:45 | 10h 30' 00" | GPS | Static | 0.0000 | TPSCR.G3 TPSH |

Manual Selection of Project Iasi2

10 14:00 11 02:00 11 14:00



04/10/2010 06:59:45

04/11/2010 18:29:45

Manual Selection of Project Iasi2

10 14:00

11 02:00

11 14:00





Adjustment Pre-Analysis

www.MOVE3.com

(c) 1993-2008 Grontmij

Created: 15-04-2010 15:59:16

Project Information

Project name: iasi2
Processing kernel: MOVE3 4.0

General Information

Type: 3D constrained network -- Projection : None -- Ellipsoid : WGS 84

Stations

Number of (partly) known stations: 2
Number of unknown stations: 32
Total: 34

Observations

GPS coordinate differences: 249 (83 baselines)
Known coordinates: 6
Total: 255

Unknowns

Coordinates: 102
Total: 102

Degrees of freedom: 153

Check of Input Data

Observations and Approximate Coordinates

Critical value is 10.0 * W-Test critical value 1.96

| | Station | Target | Reading | Error |
|----|---------|--------|--------------|-----------|
| DX | 9 | IASI | 3526.3643 m | -0.8931 m |
| DY | 9 | IASI | 10473.2267 m | -0.2867 m |
| DX | 8 | IASI | 1436.2640 m | -0.8756 m |
| DY | 8 | IASI | 12408.7941 m | -0.2731 m |
| DZ | 8 | IASI | -6594.2650 m | -0.2645 m |
| DX | 7 | IASI | 1256.7077 m | -0.8749 m |
| DY | 7 | IASI | 12386.1661 m | -0.2742 m |
| DZ | 7 | IASI | -6430.8403 m | -0.2624 m |
| DX | 6 | IASI | -2343.5436 m | -0.8879 m |
| DY | 6 | IASI | 13738.6562 m | -0.2812 m |
| DZ | 6 | IASI | -3983.6226 m | -0.2639 m |
| DX | 5 | IASI | -2963.9750 m | -0.8882 m |
| DY | 5 | IASI | 13854.8346 m | -0.2808 m |
| DZ | 5 | IASI | -3607.9051 m | -0.2632 m |

| | | | | |
|----|-----------|------|---------------|-----------|
| DX | 4 | PASC | 18522.5850 m | -0.8706 m |
| DY | 4 | PASC | -43101.0043 m | -0.3056 m |
| DX | 4 | IASI | -4602.2599 m | -0.9001 m |
| DY | 4 | IASI | 17300.3853 m | -0.2886 m |
| DZ | 4 | IASI | -3587.7996 m | -0.2883 m |
| DX | 30 | IASI | 7848.1583 m | -0.8992 m |
| DY | 30 | IASI | -13499.2883 m | -0.2898 m |
| DX | 3 | PASC | 18435.2859 m | -0.8774 m |
| DY | 3 | PASC | -42788.2690 m | -0.3018 m |
| DX | 3 | IASI | -4689.5596 m | -0.9075 m |
| DY | 3 | IASI | 17613.1208 m | -0.2845 m |
| DZ | 3 | IASI | -3650.8582 m | -0.2917 m |
| DX | 29 | IASI | 7831.4205 m | -0.9151 m |
| DY | 29 | IASI | -13280.1777 m | -0.2940 m |
| DZ | 29 | IASI | -657.5049 m | -0.2929 m |
| DX | 28 | IASI | 6855.9161 m | -0.8897 m |
| DY | 28 | IASI | -9191.1541 m | -0.2819 m |
| DZ | 28 | IASI | -1621.6565 m | -0.2689 m |
| DX | 27 | IASI | 6998.7662 m | -0.8890 m |
| DY | 27 | IASI | -9212.4546 m | -0.2822 m |
| DZ | 27 | IASI | -1730.2056 m | -0.2684 m |
| DX | 26 | IASI | 7952.8059 m | -0.8871 m |
| DY | 26 | IASI | -8211.6964 m | -0.2851 m |
| DZ | 26 | IASI | -2939.9669 m | -0.2669 m |
| DX | 25 | IASI | 8078.7017 m | -0.8871 m |
| DY | 25 | IASI | -8173.2206 m | -0.2841 m |
| DZ | 25 | IASI | -3062.3092 m | -0.2655 m |
| DX | 24SOV-CAD | IASI | -6864.6376 m | -0.9094 m |
| DY | 24SOV-CAD | IASI | 24356.9248 m | -0.2944 m |
| DX | 24 | IASI | 8312.5220 m | -0.8851 m |
| DY | 24 | IASI | -5859.9352 m | -0.2829 m |
| DZ | 24 | IASI | -4248.5328 m | -0.2734 m |
| DX | 22SOV-CAD | IASI | -6725.9801 m | -0.9017 m |
| DX | 22 | PASC | 31590.6576 m | -0.8652 m |
| DY | 22 | PASC | -63584.5932 m | -0.2972 m |
| DX | 22 | IASI | 8465.8310 m | -0.8763 m |
| DY | 22 | IASI | -3183.2069 m | -0.2835 m |
| DZ | 22 | IASI | -5684.0641 m | -0.2817 m |
| DX | 21 | PASC | 31758.1890 m | -0.8718 m |
| DY | 21 | PASC | -63811.9392 m | -0.2964 m |
| DX | 20 | PASC | 31640.3396 m | -0.8907 m |
| DY | 20 | PASC | -61872.2946 m | -0.3045 m |
| DZ | 20 | PASC | 204.7819 m | -0.2979 m |
| DX | 20 | IASI | 8515.5284 m | -0.8864 m |
| DY | 20 | IASI | -1470.8968 m | -0.2794 m |
| DZ | 20 | IASI | -6471.9130 m | -0.2686 m |
| DX | 2 | PASC | 16904.9867 m | -0.8756 m |
| DY | 2 | PASC | -38163.7692 m | -0.3070 m |
| DX | 2 | IASI | -6219.8491 m | -0.8960 m |
| DY | 2 | IASI | 22237.6198 m | -0.2906 m |
| DX | 19 | PASC | 31884.0351 m | -0.8895 m |
| DY | 19 | PASC | -61997.3378 m | -0.3076 m |
| DX | 19 | IASI | 8759.2234 m | -0.8857 m |
| DY | 19 | IASI | -1595.9367 m | -0.2792 m |
| DZ | 19 | IASI | -6636.4456 m | -0.2684 m |
| DX | 18 | IASI | 8214.2934 m | -0.8901 m |
| DY | 18 | IASI | 1236.3075 m | -0.2815 m |

| | | | | |
|----|----|------|---------------|-----------|
| | 18 | IASI | -7363.7547 m | -0.2654 m |
| DX | 17 | IASI | 8355.2470 m | -0.8900 m |
| DY | 17 | IASI | 1324.0036 m | -0.2812 m |
| DZ | 17 | IASI | -7508.6171 m | -0.2652 m |
| DX | 14 | PASC | 30589.4119 m | -0.8888 m |
| DY | 14 | PASC | -53586.9892 m | -0.3018 m |
| DZ | 14 | PASC | -2379.7659 m | -0.2821 m |
| DX | 13 | IASI | 7221.8997 m | -0.8810 m |
| DY | 13 | IASI | 6837.3440 m | -0.2818 m |
| DZ | 13 | IASI | -8889.0473 m | -0.2762 m |
| DX | 12 | IASI | 5457.9605 m | -0.8762 m |
| DY | 12 | IASI | 8656.4009 m | -0.2792 m |
| DZ | 12 | IASI | -8276.9489 m | -0.2682 m |
| DX | 11 | IASI | 5250.7207 m | -0.8767 m |
| DY | 11 | IASI | 8667.0439 m | -0.2796 m |
| DZ | 11 | IASI | -8097.7628 m | -0.2682 m |
| DX | 10 | PASC | 26649.6726 m | -0.8895 m |
| DY | 10 | PASC | -50124.0136 m | -0.3108 m |
| DZ | 10 | PASC | -616.6875 m | -0.2779 m |
| DX | 1 | PASC | 16775.6141 m | -0.8841 m |
| DX | 1 | IASI | -6349.2219 m | -0.9046 m |
| DY | 1 | IASI | 22301.6674 m | -0.2897 m |
| DX | 14 | IASI | 7464.6055 m | -0.8798 m |
| DY | 14 | IASI | 6814.4038 m | -0.2815 m |
| DZ | 14 | IASI | -9056.4852 m | -0.2772 m |
| DX | 14 | IASI | 7464.5981 m | -0.8872 m |
| DY | 14 | IASI | 6814.4027 m | -0.2825 m |
| DZ | 14 | IASI | -9056.4759 m | -0.2679 m |



Network Adjustment

www.MOVE3.com

(c) 1993-2008 Grontmij

Licensed to Leica Geosystems AG

Created: 06/24/2010 12:30:49

Project Information

Project name: iasi2
 Date created: 04/12/2010 17:46:17
 Time zone: 2h 00'
 Coordinate system name: TG Demo 7P
 Application software: LEICA Geo Office 7.0
 Processing kernel: MOVE3 4.0.1

General Information

Adjustment

Type: Constrained
 Dimension: 3D
 Coordinate system: WGS 1984
 Height mode: Ellipsoidal

Number of iterations: 1
 Maximum coord correction in last iteration: 0.0000 m ✓ (tolerance is met)

Stations

Number of (partly) known stations: 2
 Number of unknown stations: 32
 Total: 34

Observations

GPS coordinate differences: 240 (80 baselines)
 Known coordinates: 6
 Total: 246

Unknowns

Coordinates: 102
 Total: 102

Degrees of freedom: 144

Testing

Alfa (multi dimensional): 0.6563
 Alfa 0 (one dimensional): 5.0 %
 Beta: 80.0 %
 Sigma a-priori (GPS): 10.0

Critical value W-test: 1.96
 Critical value T-test (2-dimensional): 2.42
 Critical value T-test (3-dimensional): 1.89

Critical value F-test: 0.95
 F-test: 2.80  (rejected)

Results based on a-posteriori variance factor

Adjustment Results

Coordinates

| Station | Coordinate | Corr | Sd | |
|-----------|------------|---------------------|----------|----------|
| 1 | Latitude | 47° 13' 07.64678" N | 0.0000 m | 0.0041 m |
| | Longitude | 27° 17' 15.36638" E | 0.0000 m | 0.0031 m |
| | Height | 88.4278 m | 0.0000 m | 0.0078 m |
| 10 | Latitude | 47° 15' 30.99983" N | 0.0000 m | 0.0021 m |
| | Longitude | 27° 29' 18.94019" E | 0.0000 m | 0.0014 m |
| | Height | 109.6283 m | 0.0000 m | 0.0038 m |
| 11 | Latitude | 47° 16' 07.39555" N | 0.0000 m | 0.0034 m |
| | Longitude | 27° 31' 04.79342" E | 0.0000 m | 0.0018 m |
| | Height | 166.2423 m | 0.0000 m | 0.0051 m |
| 12 | Latitude | 47° 16' 15.58709" N | 0.0000 m | 0.0033 m |
| | Longitude | 27° 31' 09.79763" E | 0.0000 m | 0.0018 m |
| | Height | 176.4901 m | 0.0000 m | 0.0050 m |
| 13 | Latitude | 47° 16' 46.23688" N | 0.0000 m | 0.0020 m |
| | Longitude | 27° 33' 05.33749" E | 0.0000 m | 0.0014 m |
| | Height | 135.4786 m | 0.0000 m | 0.0048 m |
| 14 | Latitude | 47° 16' 54.78152" N | 0.0000 m | 0.0010 m |
| | Longitude | 27° 33' 11.64712" E | 0.0000 m | 0.0007 m |
| | Height | 119.7120 m | 0.0000 m | 0.0019 m |
| 15 | Latitude | 47° 15' 54.07662" N | 0.0000 m | 0.0017 m |
| | Longitude | 27° 34' 43.86575" E | 0.0000 m | 0.0013 m |
| | Height | 139.3284 m | 0.0000 m | 0.0044 m |
| 16 | Latitude | 47° 15' 49.68135" N | 0.0000 m | 0.0016 m |
| | Longitude | 27° 34' 40.51373" E | 0.0000 m | 0.0012 m |
| | Height | 137.1630 m | 0.0000 m | 0.0042 m |
| 17 | Latitude | 47° 15' 39.07039" N | 0.0000 m | 0.0026 m |
| | Longitude | 27° 37' 22.77113" E | 0.0000 m | 0.0018 m |
| | Height | 172.3470 m | 0.0000 m | 0.0044 m |
| 18 | Latitude | 47° 15' 31.95001" N | 0.0000 m | 0.0027 m |
| | Longitude | 27° 37' 23.35837" E | 0.0000 m | 0.0019 m |
| | Height | 178.3072 m | 0.0000 m | 0.0045 m |
| 19 | Latitude | 47° 14' 56.19884" N | 0.0000 m | 0.0019 m |
| | Longitude | 27° 39' 34.70423" E | 0.0000 m | 0.0015 m |
| | Height | 208.4028 m | 0.0000 m | 0.0036 m |
| 2 | Latitude | 47° 13' 11.46513" N | 0.0000 m | 0.0042 m |
| | Longitude | 27° 17' 20.89047" E | 0.0000 m | 0.0032 m |
| | Height | 89.8186 m | 0.0000 m | 0.0080 m |
| 20 | Latitude | 47° 14' 48.83024" N | 0.0000 m | 0.0019 m |
| | Longitude | 27° 39' 24.05847" E | 0.0000 m | 0.0015 m |
| | Height | 194.7091 m | 0.0000 m | 0.0035 m |
| 21 | Latitude | 47° 14' 13.37289" N | 0.0000 m | 0.0025 m |
| | Longitude | 27° 40' 48.33921" E | 0.0000 m | 0.0014 m |
| | Height | 183.4070 m | 0.0000 m | 0.0036 m |
| 22 | Latitude | 47° 14' 11.56169" N | 0.0000 m | 0.0025 m |
| | Longitude | 27° 40' 35.06749" E | 0.0000 m | 0.0014 m |
| | Height | 185.9062 m | 0.0000 m | 0.0036 m |
| 22SOV-CAD | Latitude | 47° 13' 37.48872" N | 0.0000 m | 0.0051 m |
| | Longitude | 27° 15' 36.67235" E | 0.0000 m | 0.0035 m |

| | | | | | |
|-----------|-----------|---------------------|----------|----------|-------|
| 23 | Height | 132.3296 m | 0.0000 m | 0.0093 m | |
| | Latitude | 47° 13' 13.79470" N | 0.0000 m | 0.0018 m | |
| | Longitude | 27° 42' 16.32372" E | 0.0000 m | 0.0014 m | |
| 24 | Height | 70.4228 m | 0.0000 m | 0.0036 m | |
| | Latitude | 47° 13' 07.20229" N | 0.0000 m | 0.0017 m | |
| | Longitude | 27° 42' 24.34532" E | 0.0000 m | 0.0013 m | |
| 24SOV-CAD | Height | 69.0531 m | 0.0000 m | 0.0034 m | |
| | Latitude | 47° 13' 30.38689" N | 0.0000 m | 0.0049 m | |
| | Longitude | 27° 15' 37.31419" E | 0.0000 m | 0.0034 m | |
| 25 | Height | 135.1838 m | 0.0000 m | 0.0088 m | |
| | Latitude | 47° 12' 10.62173" N | 0.0000 m | 0.0027 m | |
| | Longitude | 27° 43' 56.48900" E | 0.0000 m | 0.0018 m | |
| 26 | Height | 70.0813 m | 0.0000 m | 0.0051 m | |
| | Latitude | 47° 12' 04.85710" N | 0.0000 m | 0.0027 m | |
| | Longitude | 27° 43' 55.32357" E | 0.0000 m | 0.0018 m | |
| 27 | Height | 68.1851 m | 0.0000 m | 0.0050 m | |
| | Latitude | 47° 11' 07.11281" N | 0.0000 m | 0.0023 m | |
| | Longitude | 27° 44' 16.31072" E | 0.0000 m | 0.0015 m | |
| 28 | Height | 70.9334 m | 0.0000 m | 0.0047 m | |
| | Latitude | 47° 11' 01.95616" N | 0.0000 m | 0.0023 m | |
| | Longitude | 27° 44' 12.25747" E | 0.0000 m | 0.0014 m | |
| 29 | Height | 70.4995 m | 0.0000 m | 0.0046 m | |
| | Latitude | 47° 10' 15.99722" N | 0.0000 m | 0.0033 m | |
| | Longitude | 27° 47' 25.67207" E | 0.0000 m | 0.0027 m | |
| 3 | Height | 71.2768 m | 0.0000 m | 0.0069 m | |
| | Latitude | 47° 12' 37.88653" N | 0.0000 m | 0.0026 m | |
| | Longitude | 27° 21' 09.52884" E | 0.0000 m | 0.0019 m | |
| 30 | Height | 92.5758 m | 0.0000 m | 0.0046 m | |
| | Latitude | 47° 10' 12.14261" N | 0.0000 m | 0.0034 m | |
| | Longitude | 27° 47' 35.24663" E | 0.0000 m | 0.0028 m | |
| 4 | Height | 71.3813 m | 0.0000 m | 0.0071 m | |
| | Latitude | 47° 12' 34.92718" N | 0.0000 m | 0.0026 m | |
| | Longitude | 27° 21' 24.63395" E | 0.0000 m | 0.0019 m | |
| 5 | Height | 91.2518 m | 0.0000 m | 0.0046 m | |
| | Latitude | 47° 12' 32.28175" N | 0.0000 m | 0.0032 m | |
| | Longitude | 27° 24' 25.82123" E | 0.0000 m | 0.0019 m | |
| 6 | Height | 194.3116 m | 0.0000 m | 0.0052 m | |
| | Latitude | 47° 12' 52.36326" N | 0.0000 m | 0.0032 m | |
| | Longitude | 27° 24' 44.29485" E | 0.0000 m | 0.0020 m | |
| 7 | Height | 132.2292 m | 0.0000 m | 0.0052 m | |
| | Latitude | 47° 14' 47.31860" N | 0.0000 m | 0.0025 m | |
| | Longitude | 27° 27' 00.20363" E | 0.0000 m | 0.0019 m | |
| 8 | Height | 181.9413 m | 0.0000 m | 0.0048 m | |
| | Latitude | 47° 14' 54.94733" N | 0.0000 m | 0.0025 m | |
| | Longitude | 27° 27' 03.18483" E | 0.0000 m | 0.0019 m | |
| 9 | Height | 186.6954 m | 0.0000 m | 0.0048 m | |
| | Latitude | 47° 15' 35.01210" N | 0.0000 m | 0.0030 m | |
| | Longitude | 27° 29' 10.70994" E | 0.0000 m | 0.0023 m | |
| IASI | Height | 108.5540 m | 0.0000 m | 0.0064 m | |
| | Latitude | 47° 09' 43.38747" N | 0.0000 m | - | fixed |
| | Longitude | 27° 35' 14.54490" E | 0.0000 m | - | fixed |
| PASC | Height | 108.3480 m | 0.0000 m | - | fixed |
| | Latitude | 47° 14' 56.60082" N | 0.0000 m | - | fixed |
| | Longitude | 26° 44' 19.46977" E | 0.0000 m | - | fixed |
| | Height | 251.7758 m | 0.0000 m | - | fixed |

Observations and Residuals

| | Station | Target | Adj obs | Resid | Resid (ENH) | Sd |
|----|-----------|--------|---------------|-----------|-------------|----------|
| DX | 9 | IASI | 3526.3718 m | -0.0075 m | -0.0006 m | 0.0044 m |
| DY | | | 10473.2312 m | -0.0046 m | 0.0037 m | 0.0030 m |
| DZ | | | -7376.7099 m | -0.0040 m | -0.0089 m | 0.0053 m |
| DX | 8 | IASI | 1436.2539 m | 0.0101 m | 0.0035 m | 0.0035 m |
| DY | | | 12408.7850 m | 0.0091 m | -0.0062 m | 0.0022 m |
| DZ | | | -6594.2701 m | 0.0051 m | 0.0127 m | 0.0040 m |
| DX | 7 | IASI | 1256.6970 m | 0.0107 m | 0.0021 m | 0.0035 m |
| DY | | | 12386.1581 m | 0.0080 m | -0.0048 m | 0.0022 m |
| DZ | | | -6430.8474 m | 0.0072 m | 0.0142 m | 0.0040 m |
| DX | 6 | IASI | -2343.5414 m | -0.0023 m | 0.0019 m | 0.0045 m |
| DY | | | 13738.6553 m | 0.0009 m | 0.0050 m | 0.0027 m |
| DZ | | | -3983.6282 m | 0.0056 m | 0.0031 m | 0.0038 m |
| DX | 5 | IASI | -2963.9724 m | -0.0026 m | 0.0024 m | 0.0044 m |
| DY | | | 13854.8332 m | 0.0014 m | 0.0056 m | 0.0027 m |
| DZ | | | -3607.9115 m | 0.0064 m | 0.0035 m | 0.0037 m |
| DX | 4 | PASC | 18522.5748 m | 0.0103 m | -0.0142 m | 0.0042 m |
| DY | | | -43100.9936 m | -0.0106 m | 0.0014 m | 0.0030 m |
| DZ | | | 3088.9360 m | 0.0065 m | 0.0077 m | 0.0048 m |
| DX | 4 | IASI | -4602.2449 m | -0.0150 m | 0.0018 m | 0.0034 m |
| DY | | | 17300.3911 m | -0.0057 m | -0.0013 m | 0.0024 m |
| DZ | | | -3587.7804 m | -0.0192 m | -0.0249 m | 0.0039 m |
| DX | 30 | IASI | 7848.1697 m | -0.0114 m | -0.0007 m | 0.0051 m |
| DY | | | -13499.2816 m | -0.0068 m | 0.0027 m | 0.0032 m |
| DZ | | | -576.6342 m | -0.0103 m | -0.0166 m | 0.0058 m |
| DX | 3 | PASC | 18435.2825 m | 0.0035 m | -0.0077 m | 0.0042 m |
| DY | | | -42788.2622 m | -0.0068 m | 0.0023 m | 0.0030 m |
| DZ | | | 3025.8807 m | 0.0034 m | 0.0024 m | 0.0048 m |
| DX | 3 | IASI | -4689.5372 m | -0.0224 m | 0.0088 m | 0.0034 m |
| DY | | | 17613.1226 m | -0.0017 m | -0.0001 m | 0.0024 m |
| DZ | | | -3650.8356 m | -0.0226 m | -0.0306 m | 0.0039 m |
| DX | 29 | IASI | 7831.4479 m | -0.0274 m | 0.0031 m | 0.0049 m |
| DY | | | -13280.1667 m | -0.0110 m | 0.0060 m | 0.0031 m |
| DZ | | | -657.4821 m | -0.0228 m | -0.0366 m | 0.0056 m |
| DX | 28 | IASI | 6855.9179 m | -0.0018 m | 0.0018 m | 0.0036 m |
| DY | | | -9191.1552 m | 0.0010 m | 0.0017 m | 0.0025 m |
| DZ | | | -1621.6577 m | 0.0013 m | 0.0002 m | 0.0031 m |
| DX | 27 | IASI | 6998.7673 m | -0.0011 m | 0.0011 m | 0.0036 m |
| DY | | | -9212.4552 m | 0.0007 m | 0.0017 m | 0.0025 m |
| DZ | | | -1730.2073 m | 0.0018 m | 0.0008 m | 0.0031 m |
| DX | 26 | IASI | 7952.8051 m | 0.0008 m | -0.0023 m | 0.0036 m |
| DY | | | -8211.6943 m | -0.0022 m | 0.0024 m | 0.0021 m |
| DZ | | | -2939.9701 m | 0.0033 m | 0.0022 m | 0.0043 m |
| DX | 25 | IASI | 8078.7008 m | 0.0009 m | -0.0015 m | 0.0036 m |
| DY | | | -8173.2194 m | -0.0012 m | 0.0030 m | 0.0021 m |
| DZ | | | -3062.3139 m | 0.0047 m | 0.0036 m | 0.0043 m |
| DX | 24SOV-CAD | IASI | -6864.6143 m | -0.0233 m | -0.0001 m | 0.0066 m |
| DY | | | 24356.9369 m | -0.0121 m | 0.0141 m | 0.0057 m |
| DZ | | | -4783.3460 m | -0.0077 m | -0.0235 m | 0.0060 m |
| DX | 24 | IASI | 8312.5194 m | 0.0026 m | -0.0010 m | 0.0026 m |
| DY | | | -5859.9355 m | 0.0003 m | -0.0040 m | 0.0017 m |
| DZ | | | -4248.5295 m | -0.0033 m | -0.0008 m | 0.0026 m |
| DX | 22SOV-CAD | IASI | -6725.9646 m | -0.0156 m | 0.0001 m | 0.0070 m |
| DY | | | 24443.5676 m | -0.0079 m | 0.0090 m | 0.0060 m |
| DZ | | | -4930.1951 m | -0.0056 m | -0.0160 m | 0.0063 m |
| DX | 22 | PASC | 31590.6397 m | 0.0179 m | -0.0096 m | 0.0039 m |
| DY | | | -63584.5917 m | -0.0015 m | -0.0030 m | 0.0025 m |

| | | | | | | |
|----|----|------|---------------|-----------|-----------|----------|
| DZ | | | 992.6639 m | 0.0119 m | 0.0190 m | 0.0046 m |
| DX | 22 | IASI | 8465.8201 m | 0.0109 m | -0.0050 m | 0.0027 m |
| DY | | | -3183.2070 m | 0.0001 m | -0.0151 m | 0.0017 m |
| DZ | | | -5684.0524 m | -0.0117 m | -0.0020 m | 0.0034 m |
| DX | 21 | PASC | 31758.1778 m | 0.0112 m | -0.0058 m | 0.0038 m |
| DY | | | -63811.9385 m | -0.0007 m | 0.0028 m | 0.0025 m |
| DZ | | | 956.5204 m | 0.0144 m | 0.0171 m | 0.0046 m |
| DX | 20 | PASC | 31640.3472 m | -0.0076 m | -0.0044 m | 0.0038 m |
| DY | | | -61872.2856 m | -0.0089 m | -0.0057 m | 0.0027 m |
| DZ | | | 204.8022 m | -0.0202 m | -0.0223 m | 0.0042 m |
| DX | 20 | IASI | 8515.5276 m | 0.0008 m | 0.0032 m | 0.0026 m |
| DY | | | -1470.9009 m | 0.0041 m | -0.0011 m | 0.0020 m |
| DZ | | | -6471.9142 m | 0.0012 m | 0.0027 m | 0.0028 m |
| DX | 2 | PASC | 16904.9810 m | 0.0058 m | -0.0123 m | 0.0063 m |
| DY | | | -38163.7584 m | -0.0109 m | 0.0015 m | 0.0045 m |
| DZ | | | 2323.5347 m | 0.0024 m | 0.0019 m | 0.0068 m |
| DX | 2 | IASI | -6219.8387 m | -0.0104 m | -0.0010 m | 0.0059 m |
| DY | | | 22237.6263 m | -0.0066 m | 0.0014 m | 0.0043 m |
| DZ | | | -4353.1816 m | -0.0113 m | -0.0166 m | 0.0063 m |
| DX | 19 | PASC | 31884.0415 m | -0.0064 m | -0.0077 m | 0.0039 m |
| DY | | | -61997.3258 m | -0.0120 m | -0.0010 m | 0.0027 m |
| DZ | | | 40.2693 m | -0.0137 m | -0.0177 m | 0.0042 m |
| DX | 19 | IASI | 8759.2219 m | 0.0015 m | 0.0031 m | 0.0027 m |
| DY | | | -1595.9410 m | 0.0043 m | -0.0015 m | 0.0020 m |
| DZ | | | -6636.4470 m | 0.0014 m | 0.0033 m | 0.0028 m |
| DX | 18 | IASI | 8214.2958 m | -0.0024 m | 0.0025 m | 0.0032 m |
| DY | | | 1236.3059 m | 0.0016 m | 0.0043 m | 0.0029 m |
| DZ | | | -7363.7595 m | 0.0047 m | 0.0025 m | 0.0035 m |
| DX | 17 | IASI | 8355.2493 m | -0.0023 m | 0.0028 m | 0.0032 m |
| DY | | | 1324.0017 m | 0.0019 m | 0.0042 m | 0.0029 m |
| DZ | | | -7508.6220 m | 0.0049 m | 0.0028 m | 0.0034 m |
| DX | 14 | PASC | 30589.4173 m | -0.0054 m | -0.0033 m | 0.0032 m |
| DY | | | -53586.9827 m | -0.0065 m | 0.0029 m | 0.0022 m |
| DZ | | | -2379.7618 m | -0.0041 m | -0.0083 m | 0.0036 m |
| DX | 13 | IASI | 7221.8930 m | 0.0067 m | -0.0019 m | 0.0035 m |
| DY | | | 6837.3426 m | 0.0014 m | -0.0090 m | 0.0026 m |
| DZ | | | -8889.0412 m | -0.0061 m | -0.0001 m | 0.0031 m |
| DX | 12 | IASI | 5457.9508 m | 0.0097 m | -0.0018 m | 0.0037 m |
| DY | | | 8656.3979 m | 0.0030 m | -0.0064 m | 0.0024 m |
| DZ | | | -8276.9503 m | 0.0014 m | 0.0079 m | 0.0044 m |
| DX | 11 | IASI | 5250.7115 m | 0.0092 m | -0.0019 m | 0.0038 m |
| DY | | | 8667.0413 m | 0.0027 m | -0.0059 m | 0.0024 m |
| DZ | | | -8097.7643 m | 0.0014 m | 0.0074 m | 0.0046 m |
| DX | 1 | PASC | 16775.6168 m | -0.0027 m | -0.0083 m | 0.0062 m |
| DY | | | -38099.7115 m | -0.0107 m | 0.0090 m | 0.0044 m |
| DZ | | | 2404.6458 m | 0.0053 m | -0.0011 m | 0.0067 m |
| DX | 1 | IASI | -6349.2029 m | -0.0190 m | 0.0035 m | 0.0057 m |
| DY | | | 22301.6733 m | -0.0058 m | 0.0094 m | 0.0041 m |
| DZ | | | -4272.0706 m | -0.0073 m | -0.0187 m | 0.0062 m |
| DX | 7 | 8 | -179.5569 m | 0.0000 m | 0.0002 m | 0.0022 m |
| DY | | | -22.6268 m | 0.0002 m | -0.0002 m | 0.0013 m |
| DZ | | | 163.4227 m | -0.0002 m | -0.0001 m | 0.0026 m |
| DX | 5 | 6 | -620.4311 m | -0.0001 m | 0.0000 m | 0.0035 m |
| DY | | | 116.1779 m | 0.0000 m | 0.0002 m | 0.0021 m |
| DZ | | | 375.7167 m | 0.0002 m | 0.0001 m | 0.0026 m |
| DX | 4 | 3 | 87.2923 m | -0.0001 m | 0.0001 m | 0.0019 m |
| DY | | | -312.7315 m | 0.0001 m | 0.0000 m | 0.0014 m |

| | | | | | | |
|----|-----------|-----------|--------------|-----------|-----------|----------|
| | | | 63.0552 m | -0.0001 m | -0.0001 m | 0.0023 m |
| DX | 29 | 30 | -16.7218 m | 0.0011 m | -0.0003 m | 0.0025 m |
| DY | | | 219.1148 m | 0.0003 m | -0.0002 m | 0.0015 m |
| DZ | | | -80.8479 m | 0.0008 m | 0.0014 m | 0.0028 m |
| DX | 28 | 27 | -142.8494 m | 0.0001 m | -0.0001 m | 0.0019 m |
| DY | | | 21.3001 m | -0.0001 m | 0.0000 m | 0.0014 m |
| DZ | | | 108.5496 m | 0.0000 m | 0.0000 m | 0.0017 m |
| DX | 26 | 25 | -125.8958 m | -0.0001 m | 0.0000 m | 0.0019 m |
| DY | | | -38.4749 m | -0.0001 m | 0.0003 m | 0.0011 m |
| DZ | | | 122.3438 m | 0.0002 m | 0.0000 m | 0.0023 m |
| DX | 24 | 23 | -53.0019 m | -0.0001 m | 0.0000 m | 0.0018 m |
| DY | | | -218.4658 m | 0.0000 m | 0.0002 m | 0.0012 m |
| DZ | | | 139.2808 m | 0.0002 m | 0.0001 m | 0.0018 m |
| DX | 22SOV-CAD | 24SOV-CAD | 138.6498 m | -0.0008 m | 0.0000 m | 0.0042 m |
| DY | | | 86.6307 m | -0.0004 m | 0.0004 m | 0.0037 m |
| DZ | | | -146.8491 m | -0.0004 m | -0.0009 m | 0.0036 m |
| DX | 21 | 22 | 167.5381 m | 0.0006 m | -0.0003 m | 0.0020 m |
| DY | | | -227.3468 m | -0.0001 m | -0.0009 m | 0.0012 m |
| DZ | | | -36.1435 m | -0.0007 m | -0.0002 m | 0.0026 m |
| DX | 19 | 20 | 243.6943 m | -0.0002 m | 0.0000 m | 0.0022 m |
| DY | | | -125.0401 m | -0.0001 m | -0.0001 m | 0.0016 m |
| DZ | | | -164.5329 m | -0.0004 m | -0.0004 m | 0.0023 m |
| DX | 17 | 18 | 140.9535 m | 0.0000 m | 0.0000 m | 0.0030 m |
| DY | | | 87.6958 m | 0.0000 m | 0.0000 m | 0.0027 m |
| DZ | | | -144.8625 m | 0.0001 m | 0.0000 m | 0.0032 m |
| DX | 16 | 15 | -119.6929 m | 0.0000 m | 0.0000 m | 0.0024 m |
| DY | | | 16.9852 m | 0.0000 m | 0.0001 m | 0.0015 m |
| DZ | | | 93.7049 m | 0.0001 m | 0.0001 m | 0.0027 m |
| DX | 14 | 30 | -383.5720 m | -0.0225 m | 0.0034 m | 0.0051 m |
| DY | | | 20313.6836 m | -0.0079 m | 0.0050 m | 0.0032 m |
| DZ | | | -8479.8439 m | -0.0182 m | -0.0294 m | 0.0057 m |
| DX | 14 | 29 | -366.8502 m | -0.0056 m | -0.0005 m | 0.0049 m |
| DY | | | 20094.5688 m | -0.0035 m | 0.0014 m | 0.0031 m |
| DZ | | | -8398.9960 m | -0.0051 m | -0.0082 m | 0.0055 m |
| DX | 14 | 28 | 608.6798 m | -0.0021 m | 0.0014 m | 0.0037 m |
| DY | | | 16005.5572 m | 0.0005 m | 0.0031 m | 0.0026 m |
| DZ | | | -7434.8204 m | 0.0028 m | 0.0010 m | 0.0032 m |
| DX | 14 | 27 | 465.8304 m | -0.0043 m | 0.0051 m | 0.0037 m |
| DY | | | 16026.8573 m | 0.0035 m | 0.0043 m | 0.0026 m |
| DZ | | | -7326.2708 m | 0.0040 m | 0.0014 m | 0.0033 m |
| DX | 14 | 26 | -488.2074 m | -0.0010 m | -0.0055 m | 0.0037 m |
| DY | | | 15026.0963 m | -0.0067 m | 0.0102 m | 0.0022 m |
| DZ | | | -6116.5080 m | 0.0107 m | 0.0052 m | 0.0044 m |
| DX | 14 | 25 | -614.1031 m | 0.0044 m | -0.0026 m | 0.0037 m |
| DY | | | 14987.6214 m | -0.0006 m | 0.0011 m | 0.0022 m |
| DZ | | | -5994.1642 m | 0.0056 m | 0.0066 m | 0.0044 m |
| DX | 14 | 24 | -847.9217 m | 0.0007 m | -0.0003 m | 0.0024 m |
| DY | | | 12674.3375 m | 0.0000 m | -0.0010 m | 0.0016 m |
| DZ | | | -4807.9486 m | -0.0007 m | -0.0001 m | 0.0023 m |
| DX | 14 | 23 | -900.9236 m | 0.0003 m | -0.0001 m | 0.0025 m |
| DY | | | 12455.8717 m | 0.0001 m | -0.0007 m | 0.0016 m |
| DZ | | | -4668.6678 m | -0.0007 m | -0.0003 m | 0.0025 m |
| DX | 14 | 22 | -1001.2224 m | 0.0026 m | -0.0011 m | 0.0025 m |
| DY | | | 9997.6090 m | 0.0000 m | -0.0019 m | 0.0015 m |
| DZ | | | -3372.4257 m | -0.0004 m | 0.0013 m | 0.0032 m |
| DX | 14 | 21 | -1168.7605 m | 0.0019 m | -0.0010 m | 0.0024 m |
| DY | | | 10224.9558 m | -0.0002 m | -0.0016 m | 0.0015 m |

| | | | | | | |
|----|----|-----------|---------------|-----------|-----------|----------|
| DZ | | | -3336.2822 m | -0.0006 m | 0.0007 m | 0.0031 m |
| DX | 14 | 20 | -1050.9299 m | 0.0001 m | 0.0012 m | 0.0025 m |
| DY | | | 8285.3030 m | 0.0014 m | -0.0010 m | 0.0019 m |
| DZ | | | -2584.5639 m | -0.0007 m | 0.0000 m | 0.0027 m |
| DX | 14 | 19 | -1294.6242 m | -0.0005 m | 0.0007 m | 0.0026 m |
| DY | | | 8410.3431 m | 0.0005 m | -0.0011 m | 0.0019 m |
| DZ | | | -2420.0311 m | -0.0019 m | -0.0015 m | 0.0027 m |
| DX | 14 | 18 | -749.6981 m | -0.0010 m | 0.0010 m | 0.0031 m |
| DY | | | 5578.0961 m | 0.0007 m | 0.0017 m | 0.0029 m |
| DZ | | | -1692.7186 m | 0.0018 m | 0.0010 m | 0.0033 m |
| DX | 14 | 17 | -890.6516 m | -0.0007 m | 0.0008 m | 0.0030 m |
| DY | | | 5490.4003 m | 0.0006 m | 0.0014 m | 0.0028 m |
| DZ | | | -1547.8561 m | 0.0017 m | 0.0010 m | 0.0032 m |
| DX | 14 | 16 | 455.3262 m | 0.0000 m | 0.0000 m | 0.0025 m |
| DY | | | 2344.7997 m | 0.0000 m | 0.0001 m | 0.0016 m |
| DZ | | | -1351.3080 m | 0.0001 m | 0.0001 m | 0.0028 m |
| DX | 14 | 15 | 335.6333 m | 0.0000 m | 0.0000 m | 0.0027 m |
| DY | | | 2361.7849 m | -0.0001 m | -0.0001 m | 0.0017 m |
| DZ | | | -1257.6031 m | -0.0002 m | -0.0002 m | 0.0029 m |
| DX | 14 | 13 | 242.7047 m | 0.0010 m | -0.0003 m | 0.0033 m |
| DY | | | -22.9406 m | 0.0002 m | -0.0013 m | 0.0025 m |
| DZ | | | -167.4369 m | -0.0009 m | 0.0000 m | 0.0028 m |
| DX | 11 | 12 | -207.2394 m | -0.0008 m | 0.0003 m | 0.0034 m |
| DY | | | 10.6434 m | -0.0001 m | 0.0009 m | 0.0021 m |
| DZ | | | 179.1860 m | 0.0005 m | -0.0002 m | 0.0043 m |
| DX | 10 | 9 | -1.5104 m | -0.0011 m | -0.0001 m | 0.0036 m |
| DY | | | -195.8435 m | -0.0007 m | 0.0005 m | 0.0025 m |
| DZ | | | 83.3067 m | -0.0006 m | -0.0013 m | 0.0046 m |
| DX | 10 | 8 | 2088.6075 m | 0.0021 m | 0.0003 m | 0.0026 m |
| DY | | | -2131.3972 m | 0.0014 m | -0.0008 m | 0.0016 m |
| DZ | | | -699.1331 m | 0.0015 m | 0.0028 m | 0.0031 m |
| DX | 10 | 7 | 2268.1644 m | 0.0019 m | 0.0008 m | 0.0026 m |
| DY | | | -2108.7704 m | 0.0019 m | -0.0013 m | 0.0016 m |
| DZ | | | -862.5558 m | 0.0009 m | 0.0024 m | 0.0031 m |
| DX | 10 | 6 | 5868.4028 m | -0.0003 m | 0.0003 m | 0.0038 m |
| DY | | | -3461.2675 m | 0.0001 m | 0.0007 m | 0.0022 m |
| DZ | | | -3309.7750 m | 0.0008 m | 0.0004 m | 0.0028 m |
| DX | 10 | 5 | 6488.8339 m | -0.0005 m | 0.0005 m | 0.0037 m |
| DY | | | -3577.4455 m | 0.0003 m | 0.0012 m | 0.0022 m |
| DZ | | | -3685.4917 m | 0.0014 m | 0.0008 m | 0.0027 m |
| DX | 10 | 4 | 8127.1063 m | -0.0014 m | -0.0010 m | 0.0026 m |
| DY | | | -7023.0033 m | -0.0019 m | 0.0001 m | 0.0019 m |
| DZ | | | -3705.6228 m | -0.0021 m | -0.0030 m | 0.0031 m |
| DX | 10 | 3 | 8214.3986 m | -0.0024 m | 0.0001 m | 0.0026 m |
| DY | | | -7335.7348 m | -0.0012 m | 0.0002 m | 0.0019 m |
| DZ | | | -3642.5676 m | -0.0026 m | -0.0037 m | 0.0030 m |
| DX | 10 | 24SOV-CAD | 10389.4758 m | -0.0066 m | 0.0001 m | 0.0063 m |
| DY | | | -14079.5492 m | -0.0033 m | 0.0044 m | 0.0056 m |
| DZ | | | -2510.0572 m | -0.0015 m | -0.0061 m | 0.0057 m |
| DX | 10 | 22SOV-CAD | 10250.8260 m | -0.0140 m | -0.0001 m | 0.0068 m |
| DY | | | -14166.1799 m | -0.0074 m | 0.0073 m | 0.0059 m |
| DZ | | | -2363.2081 m | -0.0064 m | -0.0154 m | 0.0060 m |
| DX | 10 | 12 | -1933.0894 m | 0.0033 m | -0.0007 m | 0.0031 m |
| DY | | | 1620.9899 m | 0.0009 m | -0.0024 m | 0.0019 m |
| DZ | | | 983.5471 m | 0.0001 m | 0.0023 m | 0.0038 m |
| DX | 10 | 11 | -1725.8500 m | 0.0026 m | -0.0004 m | 0.0032 m |

| | | | | | | |
|----|----|------|---------------|-----------|-----------|----------|
| DY | | | 1610.3465 m | 0.0009 m | -0.0014 m | 0.0020 m |
| DZ | | | 804.3611 m | 0.0009 m | 0.0025 m | 0.0041 m |
| DX | 10 | 1 | 9874.0643 m | -0.0137 m | -0.0045 m | 0.0058 m |
| DY | | | -12024.2855 m | -0.0122 m | 0.0065 m | 0.0042 m |
| DZ | | | -3021.3326 m | -0.0096 m | -0.0191 m | 0.0063 m |
| DX | 1 | 2 | -129.3642 m | -0.0005 m | -0.0005 m | 0.0027 m |
| DY | | | 64.0469 m | -0.0008 m | 0.0001 m | 0.0020 m |
| DZ | | | 81.1111 m | -0.0007 m | -0.0011 m | 0.0029 m |
| DX | 14 | IASI | 7464.5977 m | 0.0079 m | -0.0021 m | 0.0014 m |
| DY | | | 6814.4020 m | 0.0017 m | -0.0105 m | 0.0010 m |
| DZ | | | -9056.4781 m | -0.0071 m | 0.0000 m | 0.0014 m |
| DX | 14 | IASI | 7464.5977 m | 0.0004 m | 0.0004 m | 0.0014 m |
| DY | | | 6814.4020 m | 0.0007 m | 0.0010 m | 0.0010 m |
| DZ | | | -9056.4781 m | 0.0022 m | 0.0020 m | 0.0014 m |

External Reliability





| Station | | Ext Rel [m] | | Station | Target |
|---------|-----------|-------------|-----------|---------|--------|
| 1 | Latitude | 0.0107 | Latitude | IASI | - |
| | Longitude | 0.0078 | Longitude | IASI | - |
| | Height | 0.0198 | Height | IASI | - |
| 10 | Latitude | 0.0115 | Latitude | IASI | - |
| | Longitude | 0.0083 | Longitude | IASI | - |
| | Height | 0.0209 | Height | IASI | - |
| 11 | Latitude | 0.0117 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0212 | Height | IASI | - |
| 12 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0211 | Height | IASI | - |
| 13 | Latitude | 0.0119 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0215 | Height | IASI | - |
| 14 | Latitude | 0.0118 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0214 | Height | IASI | - |
| 15 | Latitude | 0.0118 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0214 | Height | IASI | - |
| 16 | Latitude | 0.0118 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0214 | Height | IASI | - |
| 17 | Latitude | 0.0119 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0215 | Height | IASI | - |
| 18 | Latitude | 0.0119 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0216 | Height | IASI | - |
| 19 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0083 | Longitude | IASI | - |
| | Height | 0.0209 | Height | IASI | - |
| 2 | Latitude | 0.0111 | DZ | 1 | 2 |
| | Longitude | 0.0104 | DY | 1 | 2 |
| | Height | 0.0197 | Height | IASI | - |
| 20 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0083 | Longitude | IASI | - |
| | Height | 0.0209 | Height | IASI | - |
| 21 | Latitude | 0.0115 | Latitude | IASI | - |

| | | | | | |
|---------------|-----------|---------|-----------|-----------|-----------|
| | Longitude | 0.0082 | Longitude | IASI | - |
| | Height | 0.0208 | Height | IASI | - |
| 22 | Latitude | 0.0115 | Latitude | IASI | - |
| | Longitude | 0.0082 | Longitude | IASI | - |
| | Height | 0.0209 | Height | IASI | - |
| 22SOV- CAD | Latitude | 0.0117 | Latitude | IASI | - |
| | Longitude | -0.0095 | DY | 22SOV-CAD | 24SOV-CAD |
| | Height | 0.0212 | Height | IASI | - |
| 23 | Latitude | 0.0119 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0215 | Height | IASI | - |
| 24 | Latitude | 0.0119 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0215 | Height | IASI | - |
| 24SOV- CAD | Latitude | 0.0117 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0212 | Height | IASI | - |
| 25 | Latitude | 0.0121 | Latitude | IASI | - |
| | Longitude | 0.0086 | Longitude | IASI | - |
| | Height | 0.0218 | Height | IASI | - |
| 26 | Latitude | 0.0121 | Latitude | IASI | - |
| | Longitude | 0.0086 | Longitude | IASI | - |
| | Height | 0.0218 | Height | IASI | - |
| 27 | Latitude | 0.0121 | Latitude | IASI | - |
| | Longitude | 0.0086 | Longitude | IASI | - |
| | Height | 0.0218 | Height | IASI | - |
| 28 | Latitude | 0.0121 | Latitude | IASI | - |
| | Longitude | 0.0086 | Longitude | IASI | - |
| | Height | 0.0218 | Height | IASI | - |
| 29 | Latitude | 0.0120 | Latitude | IASI | - |
| | Longitude | 0.0085 | Longitude | IASI | - |
| | Height | 0.0216 | Height | IASI | - |
| 3 | Latitude | 0.0111 | Latitude | IASI | - |
| | Longitude | 0.0080 | Longitude | IASI | - |
| | Height | 0.0202 | Height | IASI | - |
| 30 | Latitude | 0.0120 | Latitude | IASI | - |
| | Longitude | 0.0087 | DY | 29 | 30 |
| | Height | 0.0216 | Height | IASI | - |
| 4 | Latitude | 0.0111 | Latitude | IASI | - |
| | Longitude | 0.0080 | Longitude | IASI | - |
| | Height | 0.0202 | Height | IASI | - |
| 5 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0210 | Height | IASI | - |
| 6 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0210 | Height | IASI | - |
| 7 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0211 | Height | IASI | - |
| 8 | Latitude | 0.0116 | Latitude | IASI | - |
| | Longitude | 0.0084 | Longitude | IASI | - |
| | Height | 0.0211 | Height | IASI | - |
| 9 | Latitude | 0.0140 | DZ | 10 | 9 |
| | Longitude | 0.0133 | DY | 10 | 9 |
| | Height | 0.0210 | Height | IASI | - |




| | | | | | |
|------|-----------|--------|-----------|------|---|
| IASI | Latitude | 0.0122 | Latitude | IASI | - |
| | Longitude | 0.0087 | Longitude | IASI | - |
| | Height | 0.0221 | Height | IASI | - |
| PASC | Latitude | 0.0069 | Latitude | PASC | - |
| | Longitude | 0.0048 | Longitude | PASC | - |
| | Height | 0.0126 | Height | PASC | - |



Testing and Estimated Errors



Coordinate Tests



| Station | | MDB | BNR | W-Test | T-Test |
|---------|-----------|----------|-----|---|---|
| IASI | Latitude | 0.0134 m | 8.8 | -1.39 | 14.39  |
| | Longitude | 0.0095 m | 9.1 | -6.42  | |
| | Height | 0.0244 m | 8.7 | -1.52 | |
| PASC | Latitude | 0.0134 m | 2.9 | 1.49 | 14.39  |
| | Longitude | 0.0095 m | 2.8 | 6.42  | |
| | Height | 0.0244 m | 2.9 | 1.36 | |




Observation Tests

| | Station | Target | MDB | Red | BNR | W-Test | T-Test |
|-----------|---------|--------|----------|-----|-----|---|--|
| DX | 9 | IASI | 0.0187 m | 78 | 1.5 | -0.62 | 0.32 |
| DY | | | 0.0182 m | 82 | 1.3 | -0.30 | |
| DZ | | | 0.0262 m | 81 | 1.5 | 0.34 | |
| DX | 8 | IASI | 0.0173 m | 80 | 1.4 | 0.52 | 1.65 |
| DY | | | 0.0136 m | 79 | 1.4 | 1.65 | |
| DZ | | | 0.0219 m | 81 | 1.4 | -0.12 | |
| DX | 7 | IASI | 0.0179 m | 82 | 1.4 | 0.54 | 1.24 |
| DY | | | 0.0141 m | 81 | 1.3 | 1.29 | |
| DZ | | | 0.0225 m | 82 | 1.4 | 0.06 | |
| DX | 6 | IASI | 0.0270 m | 86 | 1.2 | -0.48 | 0.28 |
| DY | | | 0.0151 m | 83 | 1.3 | 0.04 | |
| DZ | | | 0.0228 m | 79 | 1.4 | 0.82 | |
| DX | 5 | IASI | 0.0267 m | 86 | 1.1 | -0.61 | 0.36 |
| DY | | | 0.0151 m | 83 | 1.3 | 0.12 | |
| DZ | | | 0.0227 m | 79 | 1.4 | 0.91 | |
| DX | 4 | PASC | 0.0244 m | 85 | 1.2 | 1.74 | 1.78 |
| DY | | | 0.0215 m | 86 | 1.1 | -2.09  | |
| DZ | | | 0.0318 m | 86 | 1.2 | -0.51 | |
| DX | 4 | IASI | 0.0218 m | 88 | 1.0 | -0.48 | 1.18 |
| DY | | | 0.0195 m | 89 | 0.9 | -0.35 | |
| DZ | | | 0.0285 m | 89 | 1.0 | -1.03 | |
| DX | 30 | IASI | 0.0275 m | 87 | 1.1 | -0.20 | 0.35 |
| DY | | | 0.0234 m | 86 | 1.1 | -0.57 | |
| DZ | | | 0.0334 m | 86 | 1.1 | -0.25 | |
| DX | 3 | PASC | 0.0241 m | 84 | 1.2 | 0.76 | 0.52 |
| DY | | | 0.0211 m | 86 | 1.1 | -1.20 | |
| DZ | | | 0.0315 m | 85 | 1.2 | -0.15 | |
| DX | 3 | IASI | 0.0208 m | 87 | 1.1 | -1.78 | 2.53  |
| DY | | | 0.0185 m | 88 | 1.0 | 0.78 | |
| DZ | | | 0.0274 m | 88 | 1.1 | -0.67 | |
| DX | 29 | IASI | 0.0206 m | 75 | 1.6 | -1.54 | 3.52  |
| DY | | | 0.0178 m | 75 | 1.6 | -0.83 | |
| DZ | | | 0.0255 m | 75 | 1.6 | -0.33 | |
| DX | 28 | IASI | 0.0131 m | 61 | 2.2 | -1.06 | 0.42 |
| DY | | | 0.0088 m | 60 | 2.3 | 0.77 | |

| | | | | | | | |
|----|-----------|------|----------|----|-----|-------|--|
| DZ | | | 0.0132 m | 61 | 2.2 | 0.41 | |
| DX | 27 | IASI | 0.0133 m | 63 | 2.1 | -0.72 | 0.24 |
| DY | | | 0.0090 m | 64 | 2.1 | 0.33 | |
| DZ | | | 0.0134 m | 63 | 2.2 | 0.58 | |
| DX | 26 | IASI | 0.0149 m | 61 | 2.2 | 0.25 | 0.44 |
| DY | | | 0.0106 m | 60 | 2.2 | -0.96 | |
| DZ | | | 0.0199 m | 60 | 2.3 | 0.49 | |
| DX | 25 | IASI | 0.0154 m | 65 | 2.0 | -0.08 | 0.32 |
| DY | | | 0.0108 m | 64 | 2.1 | -0.48 | |
| DZ | | | 0.0207 m | 65 | 2.0 | 0.77 | |
| DX | 24SOV-CAD | IASI | 0.0265 m | 76 | 1.5 | -1.69 | 1.37 |
| DY | | | 0.0245 m | 79 | 1.5 | 0.54 | |
| DZ | | | 0.0333 m | 77 | 1.5 | 0.36 | |
| DX | 24 | IASI | 0.0126 m | 77 | 1.5 | 1.19 | 0.71 |
| DY | | | 0.0095 m | 76 | 1.5 | -0.07 | |
| DZ | | | 0.0132 m | 76 | 1.6 | -1.33 | |
| DX | 22SOV-CAD | IASI | 0.0301 m | 83 | 1.3 | -0.87 | 0.35 |
| DY | | | 0.0280 m | 83 | 1.3 | 0.33 | |
| DZ | | | 0.0371 m | 82 | 1.3 | 0.25 | |
| DX | 22 | PASC | 0.0322 m | 91 | 0.9 | 1.79 | 1.35 |
| DY | | | 0.0189 m | 89 | 1.0 | -1.32 | |
| DZ | | | 0.0477 m | 93 | 0.8 | 0.79 | |
| DX | 22 | IASI | 0.0190 m | 86 | 1.1 | 1.80 | 1.81 |
| DY | | | 0.0107 m | 85 | 1.2 | -0.26 | |
| DZ | | | 0.0252 m | 87 | 1.1 | -1.46 | |
| DX | 21 | PASC | 0.0290 m | 88 | 1.0 | 1.20 | 0.90 |
| DY | | | 0.0175 m | 86 | 1.1 | -1.06 | |
| DZ | | | 0.0427 m | 92 | 0.9 | 1.00 | |
| DX | 20 | PASC | 0.0227 m | 89 | 1.1 | 1.28 | 1.81 |
| DY | | | 0.0217 m | 90 | 1.0 | -1.45 | |
| DZ | | | 0.0277 m | 87 | 1.1 | -2.06 |  |
| DX | 20 | IASI | 0.0110 m | 76 | 1.6 | -0.73 | 0.60 |
| DY | | | 0.0108 m | 77 | 1.5 | 1.32 | |
| DZ | | | 0.0135 m | 76 | 1.6 | 0.59 | |
| DX | 2 | PASC | 0.0318 m | 83 | 1.4 | 1.18 | 0.96 |
| DY | | | 0.0274 m | 81 | 1.3 | -1.64 | |
| DZ | | | 0.0383 m | 80 | 1.4 | -0.33 | |
| DX | 2 | IASI | 0.0262 m | 72 | 1.7 | -0.30 | 0.54 |
| DY | | | 0.0224 m | 73 | 1.7 | -0.38 | |
| DZ | | | 0.0324 m | 73 | 1.7 | -0.54 | |
| DX | 19 | PASC | 0.0239 m | 90 | 1.0 | 1.08 | 1.33 |
| DY | | | 0.0227 m | 91 | 0.9 | -1.64 | |
| DZ | | | 0.0291 m | 88 | 1.1 | -1.44 | |
| DX | 19 | IASI | 0.0116 m | 78 | 1.5 | -0.54 | 0.53 |
| DY | | | 0.0112 m | 78 | 1.5 | 1.21 | |
| DZ | | | 0.0142 m | 78 | 1.5 | 0.47 | |
| DX | 18 | IASI | 0.0154 m | 79 | 1.4 | -0.95 | 0.46 |
| DY | | | 0.0142 m | 80 | 1.4 | 0.58 | |
| DZ | | | 0.0212 m | 79 | 1.4 | 0.81 | |
| DX | 17 | IASI | 0.0156 m | 81 | 1.3 | -0.98 | 0.48 |
| DY | | | 0.0144 m | 82 | 1.3 | 0.64 | |
| DZ | | | 0.0211 m | 81 | 1.3 | 0.82 | |
| DX | 14 | PASC | 0.0174 m | 82 | 1.3 | 0.05 | 0.60 |
| DY | | | 0.0141 m | 83 | 1.3 | -1.10 | |
| DZ | | | 0.0222 m | 82 | 1.3 | -0.22 | |
| DX | 13 | IASI | 0.0144 m | 83 | 1.2 | 1.82 | 1.95  |
| DY | | | 0.0112 m | 84 | 1.3 | -0.06 | |

| | | | | | | | | |
|----|-----------|-----------|----------|----|------|-------|---|--|
| DZ | | | 0.0146 m | 82 | 1.3 | -2.15 |  | |
| DX | 12 | IASI | 0.0193 m | 76 | 1.6 | 1.30 | | 0.75 |
| DY | | | 0.0120 m | 73 | 1.7 | -0.12 | | |
| DZ | | | 0.0275 m | 77 | 1.5 | -0.22 | | |
| DX | 11 | IASI | 0.0189 m | 73 | 1.7 | 1.35 | | 0.77 |
| DY | | | 0.0118 m | 70 | 1.8 | -0.19 | | |
| DZ | | | 0.0278 m | 75 | 1.6 | -0.22 | | |
| DX | 1 | PASC | 0.0427 m | 92 | 0.9 | 0.05 | | 0.25 |
| DY | | | 0.0370 m | 91 | 0.9 | -0.75 | | |
| DZ | | | 0.0512 m | 90 | 0.9 | 0.35 | | |
| DX | 1 | IASI | 0.0285 m | 79 | 1.4 | -1.56 | | 1.02 |
| DY | | | 0.0244 m | 81 | 1.4 | 0.30 | | |
| DZ | | | 0.0355 m | 80 | 1.4 | 0.45 | | |
| DX | 7 | 8 | 0.0101 m | 20 | 5.5 | 0.00 | | 0.04 |
| DY | | | 0.0080 m | 20 | 5.5 | 0.26 | | |
| DZ | | | 0.0128 m | 21 | 5.4 | -0.15 | | |
| DX | 5 | 6 | 0.0162 m | 28 | 4.4 | -0.06 | | 0.01 |
| DY | | | 0.0089 m | 28 | 4.4 | -0.02 | | |
| DZ | | | 0.0132 m | 28 | 4.4 | 0.15 | | |
| DX | 4 | 3 | 0.0103 m | 16 | 6.2 | -0.23 | | 0.02 |
| DY | | | 0.0092 m | 16 | 6.2 | 0.19 | | |
| DZ | | | 0.0136 m | 16 | 6.2 | 0.07 | | |
| DX | 29 | 30 | 0.0186 m | 6 | 11.1 | 1.09 | | 0.98 |
| DY | | | 0.0160 m | 5 | 11.2 | 0.03 | | |
| DZ | | | 0.0229 m | 5 | 11.2 | -0.01 | | |
| DX | 28 | 27 | 0.0127 m | 7 | 9.8 | 0.51 | | 0.12 |
| DY | | | 0.0086 m | 7 | 9.7 | -0.57 | | |
| DZ | | | 0.0128 m | 7 | 9.8 | 0.08 | | |
| DX | 26 | 25 | 0.0145 m | 7 | 9.7 | -0.42 | | 0.12 |
| DY | | | 0.0102 m | 7 | 9.8 | -0.13 | | |
| DZ | | | 0.0195 m | 7 | 9.7 | 0.51 | | |
| DX | 24 | 23 | 0.0101 m | 15 | 6.5 | -0.34 | | 0.07 |
| DY | | | 0.0077 m | 15 | 6.5 | -0.03 | | |
| DZ | | | 0.0106 m | 15 | 6.5 | 0.45 | | |
| DX | 22SOV-CAD | 24SOV-CAD | 0.0215 m | 10 | 8.1 | -0.40 | | 0.10 |
| DY | | | 0.0200 m | 11 | 8.1 | 0.14 | | |
| DZ | | | 0.0266 m | 10 | 8.2 | -0.03 | | |
| DX | 21 | 22 | 0.0119 m | 20 | 5.4 | 0.71 | | 0.28 |
| DY | | | 0.0068 m | 20 | 5.5 | -0.18 | | |
| DZ | | | 0.0160 m | 20 | 5.5 | -0.57 | | |
| DX | 19 | 20 | 0.0090 m | 22 | 5.2 | 0.11 | | 0.04 |
| DY | | | 0.0088 m | 23 | 5.1 | -0.15 | | |
| DZ | | | 0.0110 m | 22 | 5.2 | -0.28 | | |
| DX | 17 | 18 | 0.0122 m | 31 | 4.1 | 0.02 | | 0.00 |
| DY | | | 0.0112 m | 31 | 4.1 | -0.03 | | |
| DZ | | | 0.0168 m | 31 | 4.1 | 0.03 | | |
| DX | 16 | 15 | 0.0079 m | 27 | 4.5 | -0.09 | | 0.00 |
| DY | | | 0.0067 m | 27 | 4.5 | 0.03 | | |
| DZ | | | 0.0100 m | 27 | 4.6 | 0.11 | | |
| DX | 14 | 30 | 0.0208 m | 75 | 1.6 | -1.37 | | 2.27  |
| DY | | | 0.0178 m | 73 | 1.7 | -0.47 | | |
| DZ | | | 0.0255 m | 73 | 1.7 | -0.18 | | |
| DX | 14 | 29 | 0.0175 m | 53 | 2.6 | -0.29 | | 0.53 |
| DY | | | 0.0152 m | 56 | 2.5 | -0.68 | | |
| DZ | | | 0.0218 m | 56 | 2.5 | -0.30 | | |
| DX | 14 | 28 | 0.0166 m | 80 | 1.4 | -0.67 | | 0.23 |
| DY | | | 0.0112 m | 79 | 1.4 | 0.22 | | |

| | | | | | | | |
|----|----|----|----------|----|-----|---|--|
| DZ | | | 0.0169 m | 79 | 1.4 | 0.63 | |
| DX | 14 | 27 | 0.0174 m | 82 | 1.3 | -1.64 | 1.03 |
| DY | | | 0.0118 m | 82 | 1.3 | 1.23 | |
| DZ | | | 0.0175 m | 81 | 1.3 | 0.64 | |
| DX | 14 | 26 | 0.0193 m | 81 | 1.3 | -0.23 | 1.42 |
| DY | | | 0.0137 m | 81 | 1.3 | -1.42 | |
| DZ | | | 0.0258 m | 81 | 1.3 | 1.31 | |
| DX | 14 | 25 | 0.0191 m | 80 | 1.4 | 0.45 | 0.21 |
| DY | | | 0.0134 m | 80 | 1.4 | -0.44 | |
| DZ | | | 0.0258 m | 81 | 1.3 | 0.28 | |
| DX | 14 | 24 | 0.0096 m | 51 | 2.7 | 0.59 | 0.15 |
| DY | | | 0.0073 m | 51 | 2.7 | -0.08 | |
| DZ | | | 0.0100 m | 51 | 2.7 | -0.59 | |
| DX | 14 | 23 | 0.0101 m | 50 | 2.8 | 0.34 | 0.07 |
| DY | | | 0.0077 m | 50 | 2.8 | 0.03 | |
| DZ | | | 0.0106 m | 50 | 2.8 | -0.45 | |
| DX | 14 | 22 | 0.0118 m | 55 | 2.5 | 1.08 | 0.39 |
| DY | | | 0.0067 m | 54 | 2.6 | -0.45 | |
| DZ | | | 0.0159 m | 54 | 2.5 | -0.09 | |
| DX | 14 | 21 | 0.0118 m | 41 | 3.3 | 1.18 | 0.48 |
| DY | | | 0.0067 m | 42 | 3.3 | -0.58 | |
| DZ | | | 0.0159 m | 41 | 3.3 | -0.19 | |
| DX | 14 | 20 | 0.0091 m | 58 | 2.4 | -0.20 | 0.16 |
| DY | | | 0.0089 m | 59 | 2.3 | 0.64 | |
| DZ | | | 0.0111 m | 58 | 2.4 | -0.06 | |
| DX | 14 | 19 | 0.0094 m | 61 | 2.2 | 0.10 | 0.12 |
| DY | | | 0.0091 m | 61 | 2.2 | 0.17 | |
| DZ | | | 0.0115 m | 61 | 2.2 | -0.48 | |
| DX | 14 | 18 | 0.0119 m | 53 | 2.6 | -0.75 | 0.27 |
| DY | | | 0.0109 m | 54 | 2.6 | 0.48 | |
| DZ | | | 0.0164 m | 54 | 2.6 | 0.60 | |
| DX | 14 | 17 | 0.0115 m | 47 | 2.9 | -0.70 | 0.26 |
| DY | | | 0.0106 m | 48 | 2.9 | 0.44 | |
| DZ | | | 0.0157 m | 47 | 2.9 | 0.64 | |
| DX | 14 | 16 | 0.0079 m | 31 | 4.2 | -0.09 | 0.00 |
| DY | | | 0.0067 m | 30 | 4.1 | 0.03 | |
| DZ | | | 0.0100 m | 32 | 4.1 | 0.11 | |
| DX | 14 | 15 | 0.0079 m | 40 | 3.3 | 0.09 | 0.00 |
| DY | | | 0.0067 m | 42 | 3.4 | -0.03 | |
| DZ | | | 0.0100 m | 40 | 3.4 | -0.11 | |
| DX | 14 | 13 | 0.0144 m | 12 | 7.4 | 1.82 | 1.95  |
| DY | | | 0.0112 m | 13 | 7.3 | -0.06 | |
| DZ | | | 0.0146 m | 12 | 7.4 | -2.15  | |
| DX | 11 | 12 | 0.0152 m | 43 | 3.2 | -0.32 | 0.04 |
| DY | | | 0.0093 m | 43 | 3.2 | 0.09 | |
| DZ | | | 0.0229 m | 46 | 3.0 | 0.17 | |
| DX | 10 | 9 | 0.0187 m | 11 | 7.9 | -0.62 | 0.32 |
| DY | | | 0.0182 m | 11 | 7.7 | -0.30 | |
| DZ | | | 0.0262 m | 11 | 7.9 | 0.34 | |
| DX | 10 | 8 | 0.0101 m | 47 | 2.9 | 0.30 | 0.39 |
| DY | | | 0.0079 m | 47 | 2.9 | 0.70 | |
| DZ | | | 0.0128 m | 48 | 2.9 | 0.08 | |
| DX | 10 | 7 | 0.0101 m | 47 | 3.0 | 0.30 | 0.56 |
| DY | | | 0.0079 m | 47 | 3.0 | 0.99 | |
| DZ | | | 0.0127 m | 46 | 3.0 | -0.12 | |
| DX | 10 | 6 | 0.0159 m | 46 | 3.0 | -0.23 | 0.05 |
| DY | | | 0.0087 m | 45 | 3.1 | 0.04 | |

| | | | | | | | |
|----|----|-----------|----------|----|------|---|--|
| DZ | | | 0.0131 m | 45 | 3.1 | 0.32 | |
| DX | 10 | 5 | 0.0157 m | 42 | 3.2 | -0.41 | 0.19 |
| DY | | | 0.0086 m | 42 | 3.3 | 0.05 | |
| DZ | | | 0.0130 m | 41 | 3.3 | 0.66 | |
| DX | 10 | 4 | 0.0105 m | 52 | 2.7 | 0.29 | 0.42 |
| DY | | | 0.0094 m | 53 | 2.6 | -0.89 | |
| DZ | | | 0.0138 m | 52 | 2.7 | -0.65 | |
| DX | 10 | 3 | 0.0104 m | 48 | 2.9 | -0.33 | 0.39 |
| DY | | | 0.0092 m | 49 | 2.8 | -0.33 | |
| DZ | | | 0.0137 m | 49 | 2.8 | -0.48 | |
| DX | 10 | 24SOV-CAD | 0.0209 m | 50 | 2.6 | -0.95 | 0.42 |
| DY | | | 0.0194 m | 54 | 2.6 | 0.29 | |
| DZ | | | 0.0262 m | 53 | 2.6 | 0.31 | |
| DX | 10 | 22SOV-CAD | 0.0234 m | 71 | 1.9 | -1.10 | 0.64 |
| DY | | | 0.0217 m | 68 | 1.9 | 0.41 | |
| DZ | | | 0.0288 m | 68 | 1.9 | 0.16 | |
| DX | 10 | 12 | 0.0140 m | 39 | 3.5 | 1.23 | 0.63 |
| DY | | | 0.0086 m | 38 | 3.5 | -0.17 | |
| DZ | | | 0.0204 m | 38 | 3.5 | -0.32 | |
| DX | 10 | 11 | 0.0143 m | 46 | 3.0 | 0.73 | 0.25 |
| DY | | | 0.0088 m | 45 | 3.1 | -0.05 | |
| DZ | | | 0.0213 m | 46 | 3.0 | -0.01 | |
| DX | 10 | 1 | 0.0231 m | 54 | 2.5 | -0.64 | 2.49  |
| DY | | | 0.0196 m | 56 | 2.5 | -1.67 | |
| DZ | | | 0.0286 m | 55 | 2.5 | -0.17 | |
| DX | 1 | 2 | 0.0232 m | 5 | 11.5 | 0.60 | 1.12 |
| DY | | | 0.0199 m | 5 | 11.5 | -1.53 | |
| DZ | | | 0.0285 m | 5 | 11.4 | -0.73 | |
| DX | 14 | IASI | 0.0148 m | 96 | 0.5 | 1.82 | 1.91  |
| DY | | | 0.0116 m | 97 | 0.6 | -0.06 | |
| DZ | | | 0.0150 m | 94 | 0.7 | -2.14  | |
| DX | 14 | IASI | 0.0055 m | 43 | 3.2 | -1.08 | 1.30 |
| DY | | | 0.0044 m | 41 | 3.2 | 0.68 | |
| DZ | | | 0.0065 m | 46 | 3.1 | 1.78 | |

Redundancy:

W-Test:

T-Test (3-dimensional):

Estimated Errors (Coordinates)**Estimated Errors For Coordinates With Rejected W-Tests (max 10)**

| Station | | W-Test | Fact | Est err |
|----------------|-----------|---------------|-------------|----------------|
| IASI | Longitude | -6.42 | 3.3 | -0.0219 m |
| PASC | Longitude | 6.42 | 3.3 | 0.0219 m |

Estimated Errors For Stations With Rejected T-Tests (max 10)

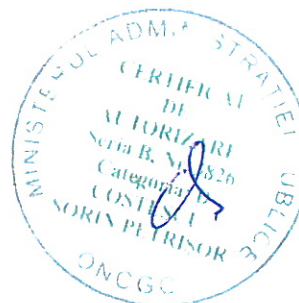
| Station | | T-Test | Fact | Est err |
|----------------|-----------|---------------|-------------|----------------|
| IASI | Latitude | 14.39 | 2.8 | -0.0042 m |
| | Longitude | | | -0.0214 m |
| | Height | | | -0.0093 m |

| | | | | |
|------|-----------|-------|-----|----------|
| PASC | Latitude | 14.39 | 2.8 | 0.0044 m |
| | Longitude | | | 0.0214 m |
| | Height | | | 0.0091 m |

| Point Id | Latitude | Longitude | Ellip. Hgt. | Date/Time | Code Description |
|---|---------------------|---------------------|-------------|---------------------|------------------|
| <input checked="" type="checkbox"/> IASI | 47° 09' 43.38747" N | 27° 35' 14.54490" E | 108.3480 | 04/15/2010 15:55:17 | |
| <input checked="" type="checkbox"/> PASC | 47° 14' 56.60082" N | 26° 44' 19.46977" E | 251.7758 | 04/15/2010 15:55:17 | |
| <input checked="" type="checkbox"/> 1 | 47° 13' 07.64678" N | 27° 17' 15.36638" E | 88.4278 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 10 | 47° 15' 30.99983" N | 27° 29' 18.94019" E | 109.6283 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 11 | 47° 16' 07.39555" N | 27° 31' 04.79342" E | 166.2423 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 12 | 47° 16' 15.58709" N | 27° 31' 09.79763" E | 176.4901 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 13 | 47° 16' 46.23688" N | 27° 33' 05.33749" E | 135.4786 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 14 | 47° 16' 54.78152" N | 27° 33' 11.64712" E | 119.7120 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 15 | 47° 15' 54.07662" N | 27° 34' 43.86575" E | 139.3284 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 16 | 47° 15' 49.68135" N | 27° 34' 40.51373" E | 137.1630 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 17 | 47° 15' 39.07039" N | 27° 37' 22.77113" E | 172.3470 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 18 | 47° 15' 31.95001" N | 27° 37' 23.35837" E | 178.3071 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 19 | 47° 14' 56.19884" N | 27° 39' 34.70423" E | 208.4028 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 2 | 47° 13' 11.46513" N | 27° 17' 20.89047" E | 89.8186 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 20 | 47° 14' 48.83024" N | 27° 39' 24.05847" E | 194.7091 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 21 | 47° 14' 13.37289" N | 27° 40' 48.33921" E | 183.4070 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 22 | 47° 14' 11.56169" N | 27° 40' 35.06749" E | 185.9062 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 22SOV-CAD | 47° 13' 37.48872" N | 27° 15' 36.67235" E | 132.3295 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 23 | 47° 13' 13.79470" N | 27° 42' 16.32372" E | 70.4228 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 24 | 47° 13' 07.20229" N | 27° 42' 24.34532" E | 69.0531 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 24SOV-CAD | 47° 13' 30.38689" N | 27° 15' 37.31419" E | 135.1838 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 25 | 47° 12' 10.62173" N | 27° 43' 56.48900" E | 70.0813 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 26 | 47° 12' 04.85710" N | 27° 43' 55.32357" E | 68.1851 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 27 | 47° 11' 07.11281" N | 27° 44' 16.31072" E | 70.9334 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 28 | 47° 11' 01.95616" N | 27° 44' 12.25747" E | 70.4995 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 29 | 47° 10' 15.99722" N | 27° 47' 25.67207" E | 71.2768 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 3 | 47° 12' 37.88653" N | 27° 21' 09.52884" E | 92.5758 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 30 | 47° 10' 12.14261" N | 27° 47' 35.24663" E | 71.3813 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 4 | 47° 12' 34.92718" N | 27° 21' 24.63395" E | 91.2517 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 5 | 47° 12' 32.28175" N | 27° 24' 25.82123" E | 194.3116 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 6 | 47° 12' 52.36326" N | 27° 24' 44.29485" E | 132.2292 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 7 | 47° 14' 47.31860" N | 27° 27' 00.20363" E | 181.9413 | 04/15/2010 15:59:54 | |
| <input checked="" type="checkbox"/> 8 | 47° 14' 54.94733" N | 27° 27' 03.18483" E | 186.6954 | 04/15/2010 15:59:54 | DR |
| <input checked="" type="checkbox"/> 9 | 47° 15' 35.01210" N | 27° 29' 10.70994" E | 108.5540 | 04/15/2010 15:59:54 | |

COORDONATE STEREO 70(TRANSDATA 4.0)

| PCT. | NORD(m) | EST(m) | COTA |
|------------|-------------|-------------|---------|
| 1, | 638000.351, | 673357.811, | 55.637 |
| 2, | 638121.599, | 673470.572, | 57.030 |
| 3, | 637226.637, | 678310.201, | 59.880 |
| 4, | 637144.776, | 678630.675, | 58.562 |
| 5, | 637178.301, | 682444.555, | 161.693 |
| 6, | 637810.084, | 682814.186, | 99.615 |
| 7, | 641446.856, | 685562.481, | 149.362 |
| 8, | 641684.302, | 685617.823, | 154.116 |
| 9, | 643005.059, | 688259.376, | 76.013 |
| 10, | 642886.662, | 688436.252, | 77.092 |
| 11, | 644080.858, | 690624.951, | 133.737 |
| 12, | 644337.090, | 690722.012, | 143.985 |
| 13, | 645361.348, | 693118.977, | 103.007 |
| 14, | 645629.413, | 693242.977, | 87.240 |
| 15, | 643818.608, | 695241.534, | 106.900 |
| 16, | 643680.624, | 695175.537, | 104.735 |
| 17, | 643465.651, | 698596.054, | 139.973 |
| 18, | 643246.265, | 698615.712, | 145.935 |
| 19, | 642235.265, | 701413.239, | 176.075 |
| 20, | 642000.255, | 701197.142, | 162.380 |
| 21, | 640965.780, | 703005.935, | 151.105 |
| 22, | 640900.383, | 702728.812, | 153.602 |
| 22SOV-CAD, | 638861.691, | 671255.614, | 99.500 |
| 23, | 639189.984, | 704918.789, | 38.151 |
| 24, | 638992.289, | 705094.471, | 36.784 |
| 24SOV-CAD, | 638642.840, | 671275.401, | 102.355 |
| 25, | 637312.717, | 707092.839, | 37.841 |
| 26, | 637133.928, | 707074.488, | 35.945 |
| 27, | 635366.853, | 707577.888, | 38.698 |
| 28, | 635204.718, | 707498.118, | 38.263 |
| 29, | 633928.898, | 711618.509, | 39.077 |
| 30, | 633817.060, | 711824.255, | 39.184 |
| IASI, | 632397.138, | 696261.833, | 75.974 |
| PASC, | 640302.828, | 631723.544, | 218.115 |



Calcul drumuire

Raport: TRASEU DE DRUMUIRE

Denumire traseu: t19-22
Numar statii: 7

* Statia 01: 20; hi=1.500
19; Do= 36.2564
265; Dm=372.917; Do=128.7333; Dz= 96.3166; hs=0.000
* Val.Calc: Dist=372.302; Teta=139.8094; DNiv=21.540
* Coord.Calc: N= 642000.255; E= 701197.142; H= ?

* Statia 02: 265; hi=1.500
20; Dm=372.933; Do=328.7365; Dz=103.6749; hs=0.000
266; Dm=340.906; Do=134.7001; Dz= 97.0054; hs=0.000
* Val.Calc: Dist=340.520; Teta=145.7730; DNiv=16.040
* Coord.Calc: N= 641782.324; E= 701498.995; H= ?

* Statia 03: 266; hi=1.500
265; Dm=340.889; Do=334.7008; Dz=102.9985; hs=0.000
267; Dm=163.513; Do=139.8781; Dz= 99.8431; hs=0.000
* Val.Calc: Dist=163.508; Teta=150.9503; DNiv=0.429
* Coord.Calc: N= 641558.046; E= 701755.224; H= ?

* Statia 04: 267; hi=1.500
266; Dm=163.504; Do=339.8789; Dz=100.1772; hs=0.000
268; Dm=370.617; Do=138.6998; Dz=102.6033; hs=0.000
* Val.Calc: Dist=370.308; Teta=149.7712; DNiv=-15.121
* Coord.Calc: N= 641440.716; E= 701869.103; H= ?

* Statia 05: 268; hi=1.500
267; Dm=370.616; Do=338.6990; Dz= 97.4071; hs=0.000
269; Dm=225.248; Do=104.1155; Dz=102.4752; hs=0.000
* Val.Calc: Dist=225.084; Teta=115.1877; DNiv=-8.761
* Coord.Calc: N= 641179.811; E= 702131.890; H= ?

* Statia 06: 269; hi=1.500
268; Dm=225.260; Do=304.1165; Dz= 97.5220; hs=0.000
22; Dm=441.116; Do=123.1782; Dz=103.3315; hs=0.000
* Val.Calc: Dist=440.512; Teta=134.2494; DNiv=-23.081
* Coord.Calc: N= 641126.622; E= 702350.598; H= ?

* Statia 07: 22; hi=1.500
269; Dm=441.117; Do=323.1769; Dz= 96.6663; hs=0.000
21; Do= 74.1475
* Coord.Calc: N= 640900.899; E= 702728.884; H= ?

*** NeInchideri:
dN = 0.116
dE = 0.072
dH = -?-
dO = -0.01663

Raport: COMPENSARE RETEA "...IASI\DRUMUIRI\ "

REZUMAT CONDITII DE PRELUCRARE

*** Retea de planimetrie

Masuratori:

Statii directii orizontale: 7
 Directii orizontale: 14
 Distanțe: 14

Necunoscute:

dx, dy: 10
 dw: 7
 dm: 1

*** Retea constransa

REZULTATE COMPENSARE IN PLAN

*** Ab.standard medie (precizie retea): 4.81 cm

INVENTAR DE COORDONATE

| Denumire punct | Coordonate provizorii | Corec. [cm] | Coordonate compensate | Ab.stand. [cm] |
|----------------|--------------------------|-----------------|--------------------------|----------------|
| 19 | 642235.265 701413.239 | | 642235.265 701413.239 | |
| 20 | 642000.255 701197.142 | | 642000.255 701197.142 | |
| 265 | 641782.324 701498.995 | -4.87 1.93 | 641782.275 701499.014 | 2.88 2.04 |
| 266 | 641558.046 701755.224 | -11.12 1.83 | 641557.935 701755.242 | 4.40 3.21 |
| 267 | 641440.716 701869.103 | -14.88 0.78 | 641440.567 701869.111 | 4.64 3.32 |
| 268 | 641179.811 702131.890 | -25.25 -3.33 | 641179.559 702131.856 | 4.25 2.63 |
| 269 | 641126.622 702350.598 | -33.73 -2.63 | 641126.284 702350.572 | 3.30 2.27 |
| 21 | 640965.780 703005.935 | | 640965.780 703005.935 | |
| 22 | 640900.383 702728.812 | | 640900.383 702728.812 | |

Coef.scara nr. 1 = 1.00000012 +/- 0.00000001

MASURATORI

DIRECTII ORIZONTALE

| Statie Punct vizat | Directie masurata | Cor. [sec.] | Directie compensata | Orientare |
|-----------------------|----------------------|----------------|------------------------|------------|
| 20 | | | | |
| 19 | 36.256400 | -24.12 | 36.253988 | 47.332486 |
| 265 | 128.733300 | 24.12 | 128.735712 | 139.814208 |
| 265 | | | | |
| 20 | 328.736500 | -20.47 | 328.734453 | 339.814208 |
| 266 | 134.700100 | 20.47 | 134.702147 | 145.781902 |
| 266 | | | | |
| 265 | 334.700800 | -20.92 | 334.698708 | 345.781902 |
| 267 | 139.878100 | 20.92 | 139.880192 | 150.963386 |
| 267 | | | | |
| 266 | 339.878900 | -22.71 | 339.876629 | 350.963386 |
| 268 | 138.699800 | 22.71 | 138.702071 | 149.788828 |
| 268 | | | | |
| 267 | 338.699000 | -25.96 | 338.696404 | 349.788828 |
| 269 | 104.115500 | 25.96 | 104.118096 | 115.210519 |
| 269 | | | | |
| 268 | 304.116500 | -13.87 | 304.115113 | 315.210519 |
| 22 | 123.178200 | 13.87 | 123.179587 | 134.274982 |
| 22 | | | | |
| 269 | 323.176900 | -5.08 | 323.176392 | 334.274982 |
| 21 | 74.147500 | 5.08 | 74.148008 | 85.246614 |

DISTANTE

| Punct De_La | Punct La | Distanta masurata | Cor. [cm] | Distanta compensata | Nr. c.s. |
|-------------|----------|----------------------|--------------|------------------------|-------------|
| 20 | 19 | 319.237 | -1.27 | 319.224 | 1 |
| 20 | 265 | 372.293 | 1.02 | 372.303 | 1 |
| 265 | 20 | 372.312 | -0.86 | 372.303 | 1 |
| 265 | 266 | 340.529 | -0.82 | 340.521 | 1 |
| 266 | 265 | 340.511 | 0.98 | 340.521 | 1 |
| 266 | 267 | 163.512 | -0.39 | 163.509 | 1 |
| 267 | 266 | 163.503 | 0.52 | 163.509 | 1 |
| 267 | 268 | 370.307 | 0.15 | 370.309 | 1 |
| 268 | 267 | 370.309 | 0.01 | 370.309 | 1 |
| 268 | 269 | 225.078 | 0.64 | 225.084 | 1 |
| 269 | 268 | 225.089 | -0.52 | 225.084 | 1 |
| 269 | 22 | 440.512 | 0.10 | 440.513 | 1 |
| 22 | 269 | 440.512 | 0.08 | 440.513 | 1 |
| 22 | 21 | 284.698 | 0.00 | 284.698 | 1 |

Raport: TRASEU DE DRUMUIRE

Denumire traseu: t23-36
Numar statii: 7

* Statia 01: 24; hi=1.500
23; Do=293.0456
302; Dm=484.869; Do= 54.7782; Dz= 99.9724; hs=0.000
* Val.Calc: Dist=484.866; Teta=115.4815; DNiv=0.226
* Coord.Calc: N= 638992.289; E= 705094.471; H= ?

* Statia 02: 302; hi=1.500
24; Dm=484.863; Do=254.7781; Dz=100.0317; hs=0.000
303; Dm=583.868; Do= 60.9981; Dz= 99.9726; hs=0.000
* Val.Calc: Dist=583.869; Teta=121.7015; DNiv=0.276
* Coord.Calc: N= 638875.536; E= 705565.070; H= ?

* Statia 03: 303; hi=1.500
302; Dm=583.870; Do=260.9975; Dz=100.0327; hs=0.000
304; Dm=648.478; Do= 96.0406; Dz=100.0687; hs=0.000
* Val.Calc: Dist=648.483; Teta=156.7446; DNiv=-0.709
* Coord.Calc: N= 638680.335; E= 706115.343; H= ?

* Statia 04: 304; hi=1.500
303; Dm=648.489; Do=296.0396; Dz= 99.9295; hs=0.000
305; Dm=445.806; Do=106.7114; Dz=100.0576; hs=0.000
* Val.Calc: Dist=445.810; Teta=167.4164; DNiv=-0.359
* Coord.Calc: N= 638175.870; E= 706522.829; H= ?

* Statia 05: 305; hi=1.500
304; Dm=445.815; Do=306.7109; Dz= 99.9550; hs=0.000
306; Dm=369.319; Do=105.2340; Dz= 99.9946; hs=0.000
* Val.Calc: Dist=369.320; Teta=165.9395; DNiv=0.097
* Coord.Calc: N= 637787.188; E= 706741.171; H= ?

* Statia 06: 306; hi=1.500
305; Dm=369.321; Do=305.2338; Dz=100.0281; hs=0.000
25; Dm=225.995; Do= 87.6366; Dz= 99.5943; hs=0.000
* Val.Calc: Dist=225.980; Teta=148.3423; DNiv=1.532
* Coord.Calc: N= 637469.478; E= 706929.472; H= ?

* Statia 07: 25; hi=1.500
306; Dm=225.976; Do=287.6391; Dz=100.4577; hs=0.000
26; Do=145.7759
* Coord.Calc: N= 637313.900; E= 707093.371; H= ?

*** NeInchideri:
dN = 1.183
dE = 0.532
dH = -?-
dO = -0.03235

Data raportului: 18-DEC-2009, ora 11:22:01
Lucrarea: tg23-26

Raport: COMPENSARE RETEA "...IASI\DRUMUIRI\23-26\r.ret"

REZUMAT CONDITII DE PRELUCRARE

*** Retea de planimetrie

Masuratori:

Statii directii orizontale: 7
Directii orizontale: 14
Distante: 14

Necunoscute:

dx, dy: 10
dw: 7
dm: 1

*** Retea constransa

REZULTATE COMPENSARE IN PLAN

*** Ab.standard medie (precizie retea): 4.46 cm

INVENTAR DE COORDONATE

| Denumire punct | Coordonate provizorii | Corec. [cm] | Coordonate compensate | Ab.stand. [cm] |
|----------------|--------------------------|-------------------|--------------------------|----------------|
| 23 | 639189.984 704918.789 | | 639189.984 704918.789 | |
| 24 | 638992.289 705094.471 | | 638992.289 705094.471 | |
| 302 | 638875.536 705565.070 | -12.98 5.49 | 638875.407 705565.125 | 3.94 1.75 |
| 303 | 638680.335 706115.343 | -39.23 6.98 | 638679.943 706115.412 | 5.64 3.59 |
| 304 | 638175.870 706522.829 | -69.90 -12.95 | 638175.171 706522.699 | 4.95 5.06 |
| 305 | 637787.188 706741.171 | -89.53 -31.97 | 637786.293 706740.852 | 3.62 4.02 |
| 306 | 637469.478 706929.472 | -106.29 -47.57 | 637468.415 706928.997 | 1.87 1.66 |
| 25 | 637312.717 707092.839 | | 637312.717 707092.839 | |
| 26 | 637133.928 707074.488 | | 637133.928 707074.488 | |

Coef.scara nr. 1 = 1.00000012 +/- 0.00000002

MASURATORI

DIRECTII ORIZONTALE

| Statie Punct vizat | Directie masurata | Cor. [sec.] | Directie compensata | Orientare |
|-----------------------|----------------------|----------------|------------------------|------------|
| 24 | | | | |
| 23 | 293.045600 | -74.00 | 293.038200 | 353.748948 |
| 302 | 54.778200 | 74.00 | 54.785600 | 115.496345 |
| 302 | | | | |
| 24 | 254.778100 | -58.19 | 254.772281 | 315.496345 |
| 303 | 60.998100 | 58.19 | 61.003919 | 121.727982 |
| 303 | | | | |
| 302 | 260.997500 | -38.49 | 260.993651 | 321.727982 |
| 304 | 96.040600 | 38.49 | 96.044449 | 156.778779 |
| 304 | | | | |
| 303 | 296.039600 | -16.43 | 296.037957 | 356.778779 |
| 305 | 106.711400 | 16.43 | 106.713043 | 167.453863 |
| 305 | | | | |
| 304 | 306.710900 | -2.15 | 306.710685 | 367.453863 |
| 306 | 105.234000 | 2.15 | 105.234215 | 165.977393 |
| 306 | | | | |
| 305 | 305.233800 | 9.80 | 305.234780 | 365.977393 |
| 25 | 87.636600 | -9.80 | 87.635620 | 148.377705 |
| 25 | | | | |
| 306 | 287.639100 | 17.71 | 287.640871 | 348.377705 |
| 26 | 145.775900 | -17.71 | 145.774129 | 206.511497 |

DISTANTE

| Punct De_La | Punct La | Distanta masurata | Cor. [cm] | Distanta compensata | Nr. c.s. |
|-------------|----------|----------------------|--------------|------------------------|-------------|
| 24 | 23 | 264.433 | -0.33 | 264.430 | 1 |
| 24 | 302 | 484.869 | -0.32 | 484.866 | 1 |
| 302 | 24 | 484.863 | 0.29 | 484.866 | 1 |
| 302 | 303 | 583.868 | 0.09 | 583.869 | 1 |
| 303 | 302 | 583.870 | -0.11 | 583.869 | 1 |
| 303 | 304 | 648.478 | 0.56 | 648.483 | 1 |
| 304 | 303 | 648.489 | -0.54 | 648.483 | 1 |
| 304 | 305 | 445.806 | 0.47 | 445.811 | 1 |
| 305 | 304 | 445.815 | -0.44 | 445.811 | 1 |
| 305 | 306 | 369.319 | 0.11 | 369.320 | 1 |
| 306 | 305 | 369.321 | -0.09 | 369.320 | 1 |
| 306 | 25 | 225.990 | -1.01 | 225.980 | 1 |
| 25 | 306 | 225.970 | 1.01 | 225.980 | 1 |
| 25 | 26 | 179.693 | 0.00 | 179.693 | 1 |

Data raportului: 17-DEC-2009, ora 16:43:02

Lucrarea: tg25-28

Raport: TRASEU DE DRUMUIRE

Denumire traseu: t25-28

Numar statii: 5

* Statia 01: 25; hi=1.500
26; Do=145.7759
307; Dm=577.428; Do=131.2542; Dz=100.1742; hs=0.000
* Val.Calc: Dist=577.424; Teta=191.9898; DNiv=-1.434
* Coord.Calc: N= 637312.717; E= 707092.839; H= ?

* Statia 02: 307; hi=1.500
25; Dm=577.424; Do=331.2549; Dz= 99.8580; hs=0.000
308; Dm=447.017; Do=112.2552; Dz=100.0363; hs=0.000
* Val.Calc: Dist=447.029; Teta=172.9901; DNiv=-0.123
* Coord.Calc: N= 636739.858; E= 707165.301; H= ?

* Statia 03: 308; hi=1.500
307; Dm=447.042; Do=312.2554; Dz=100.0012; hs=0.000
309; Dm=451.622; Do=112.0368; Dz=100.0977; hs=0.000
* Val.Calc: Dist=451.622; Teta=172.7715; DNiv=-0.525
* Coord.Calc: N= 636332.462; E= 707349.324; H= ?

* Statia 04: 309; hi=1.500
308; Dm=451.623; Do=312.0372; Dz= 99.9497; hs=0.000
27; Dm=555.970; Do=134.5572; Dz= 99.6880; hs=0.000
* Val.Calc: Dist=555.979; Teta=195.2915; DNiv=2.717
* Coord.Calc: N= 635921.522; E= 707536.649; H= ?

* Statia 05: 27; hi=1.500
309; Dm=556.002; Do=334.5583; Dz=100.3103; hs=0.000
28; Do=168.3835
* Coord.Calc: N= 635367.062; E= 707577.732; H= ?

*** NeInchideri:
dN = 0.209
dE = -0.156
dH = -?-
dO = 0.00885

Data raportului: 17-DEC-2009, ora 16:43:25
Lucrarea: tg25-28

Raport: COMPENSARE RETEA "...IASI\DRUMUIRI\ "

REZUMAT CONDITII DE PRELUCRARE

*** Retea de planimetrie

Masuratori:

Statii directii orizontale: 5
Directii orizontale: 10
Distante: 10

Necunoscute:

dx, dy: 6
dw: 5
dm: 1

*** Retea constransa

REZULTATE COMPENSARE IN PLAN

*** Ab.standard medie (precizie retea): 4.25 cm

INVENTAR DE COORDONATE

| Denumire punct | Coordonate provizorii | Corec. [cm] | Coordonate compensate | Ab.stand. [cm] |
|----------------|--------------------------|-----------------|--------------------------|----------------|
| 25 | 637312.717 707092.839 | | 637312.717 707092.839 | |
| 26 | 637133.928 707074.488 | | 637133.928 707074.488 | |
| 307 | 636739.858 707165.301 | -6.86 1.22 | 636739.789 707165.313 | 1.24 5.72 |
| 308 | 636332.462 707349.324 | -10.97 5.20 | 636332.352 707349.376 | 1.82 6.86 |
| 309 | 635921.522 707536.649 | -14.62 10.33 | 635921.376 707536.752 | 1.07 5.60 |
| 27 | 635366.853 707577.888 | | 635366.853 707577.888 | |
| 28 | 635204.718 707498.118 | | 635204.718 707498.118 | |

Coef.scara nr. 1 = 1.00000012 +/- 0.00000001

MASURATORI

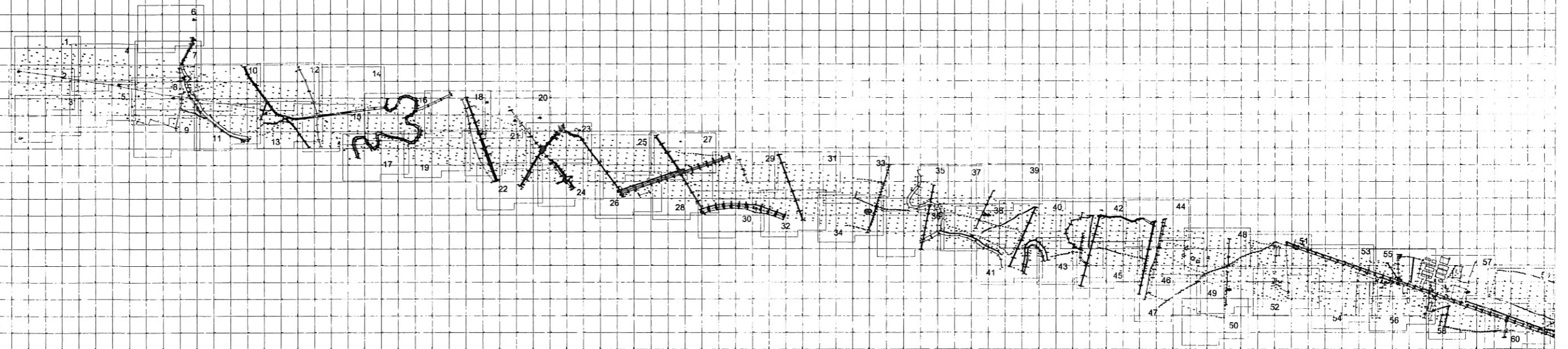
DIRECTII ORIZONTALE

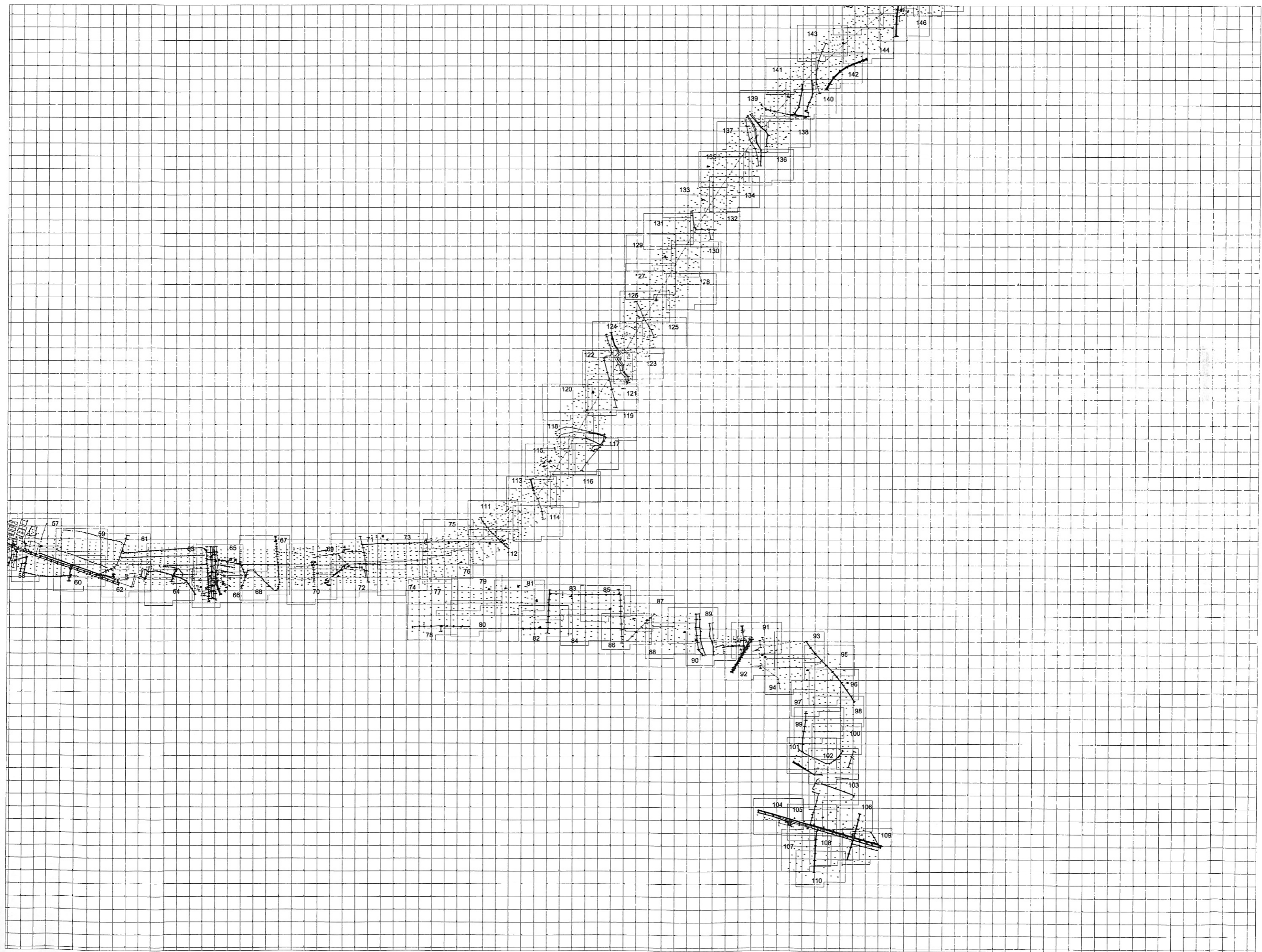
| Statie Punct vizat | Directie masurata | Cor. [sec.] | Directie compensata | Orientare |
|-----------------------|----------------------|----------------|------------------------|------------|
| 25 | | | | |
| 26 | 145.775900 | 1.94 | 145.776094 | 206.511497 |
| 307 | 131.254200 | -1.94 | 131.254006 | 191.989410 |
| 307 | | | | |
| 25 | 331.254900 | 11.80 | 331.256080 | 391.989410 |
| 308 | 112.255200 | -11.80 | 112.254020 | 172.987351 |
| 308 | | | | |
| 307 | 312.255400 | 8.52 | 312.256252 | 372.987351 |
| 309 | 112.036800 | -8.52 | 112.035948 | 172.767046 |
| 309 | | | | |
| 308 | 312.037200 | 5.09 | 312.037709 | 372.767046 |
| 27 | 134.557200 | -5.09 | 134.556691 | 195.286031 |
| 27 | | | | |
| 309 | 334.558300 | 16.88 | 334.559988 | 395.286031 |
| 28 | 168.383500 | -16.88 | 168.381812 | 229.107852 |

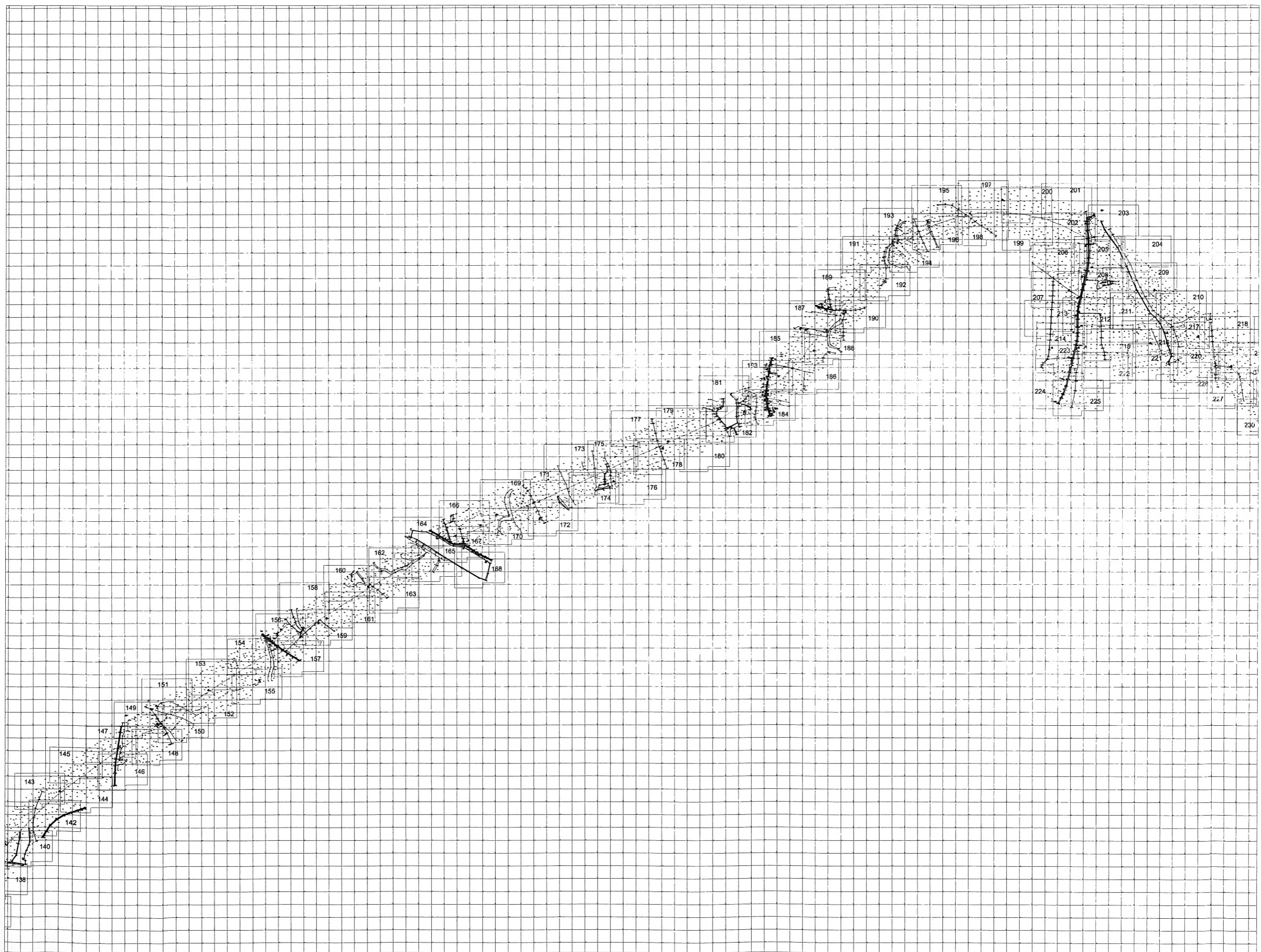
DISTANTE

| Punct De_La | Punct La | Distanta masurata | Cor. [cm] | Distanta compensata | Nr. c.s. |
|-------------|----------|----------------------|--------------|------------------------|-------------|
| 25 | 26 | 179.693 | 1.35 | 179.706 | 1 |
| 25 | 307 | 577.426 | -0.23 | 577.424 | 1 |
| 307 | 25 | 577.423 | 0.09 | 577.424 | 1 |
| 307 | 308 | 447.017 | 1.19 | 447.029 | 1 |
| 308 | 307 | 447.042 | -1.32 | 447.029 | 1 |
| 308 | 309 | 451.622 | 0.01 | 451.622 | 1 |
| 309 | 308 | 451.623 | -0.13 | 451.622 | 1 |
| 309 | 27 | 555.963 | 1.54 | 555.979 | 1 |
| 27 | 309 | 555.995 | -1.67 | 555.979 | 1 |
| 27 | 28 | 180.677 | 0.00 | 180.677 | 1 |

PLANURI DE SITUATIE 1:1000







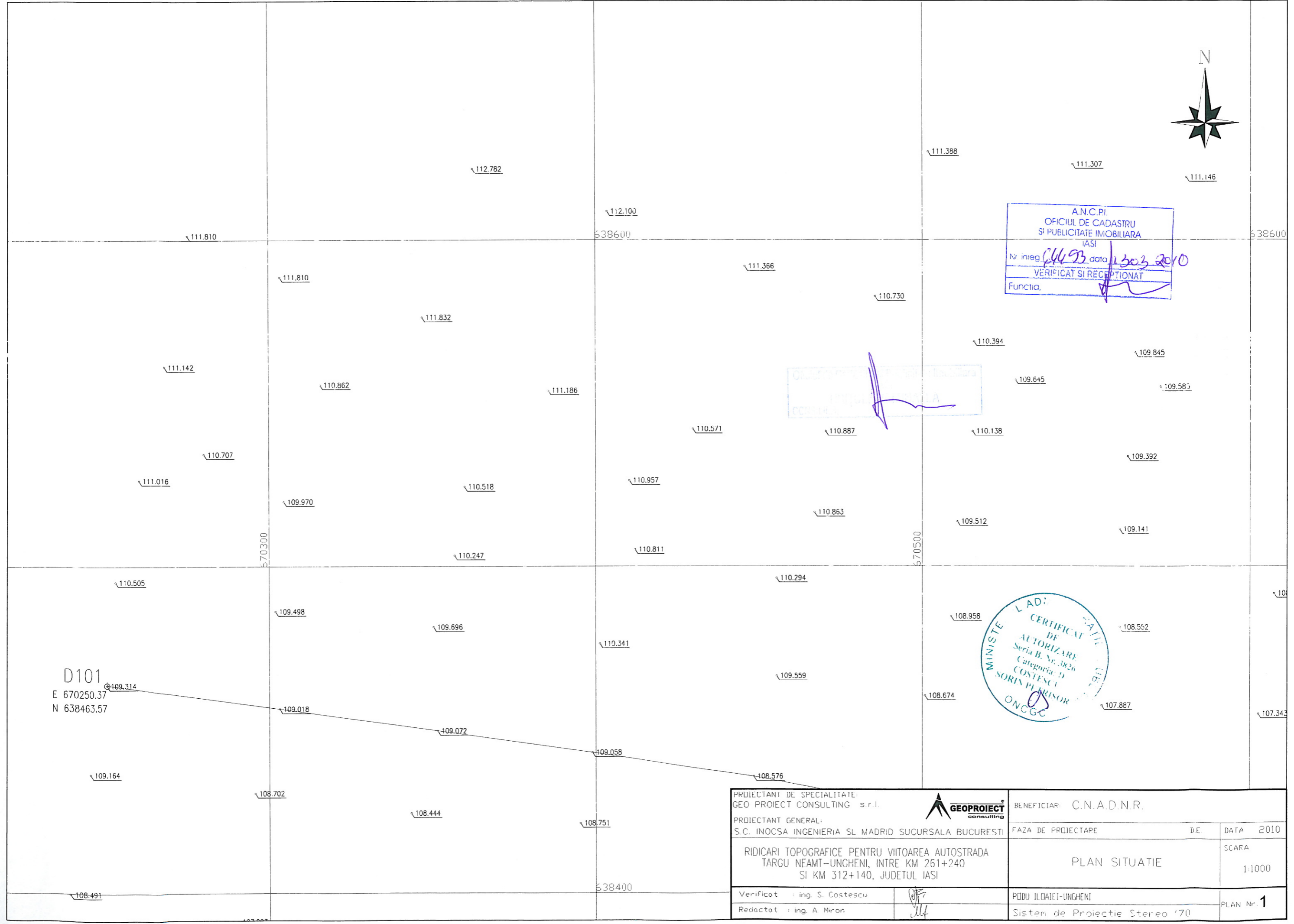


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 4493, data 13.03.2010
 VERIFICAT SI RECEPTIAT
 Functia. _____

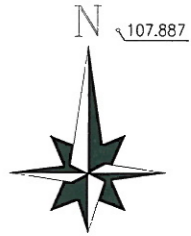
MINISTERUL LAD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3820
 Categoria: D
 COSTESCU
 SORIN PERRISOR
 ONCGC

D101
 E 670250.37
 N 638463.57

| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAJEI-UNGHENI | PLAN Nr. 1 |
| Redactat : ing. A. Miran | | Sistem de Proiectie Stereo '70 | |



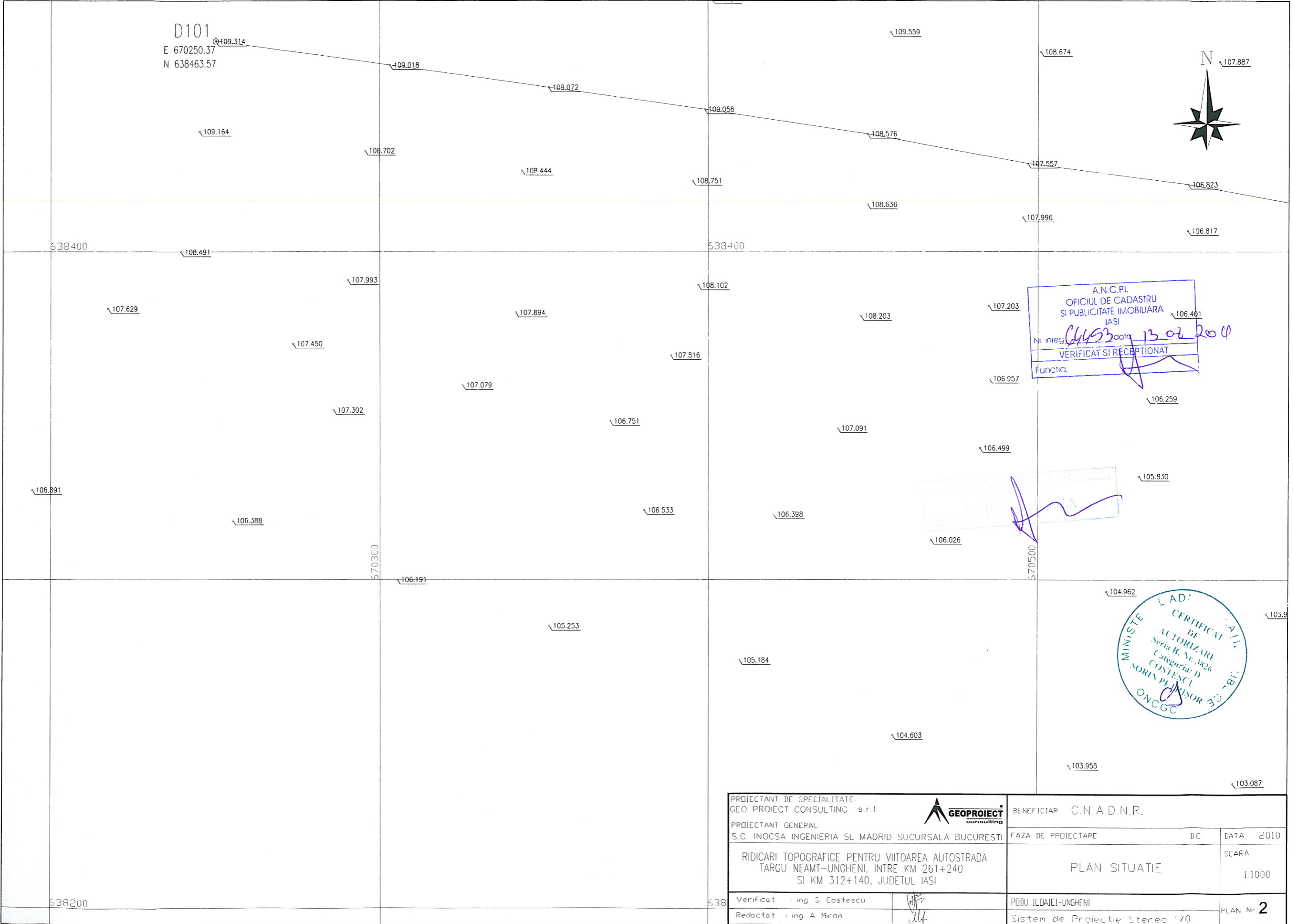
D101
E 670250.37
N 638463.57

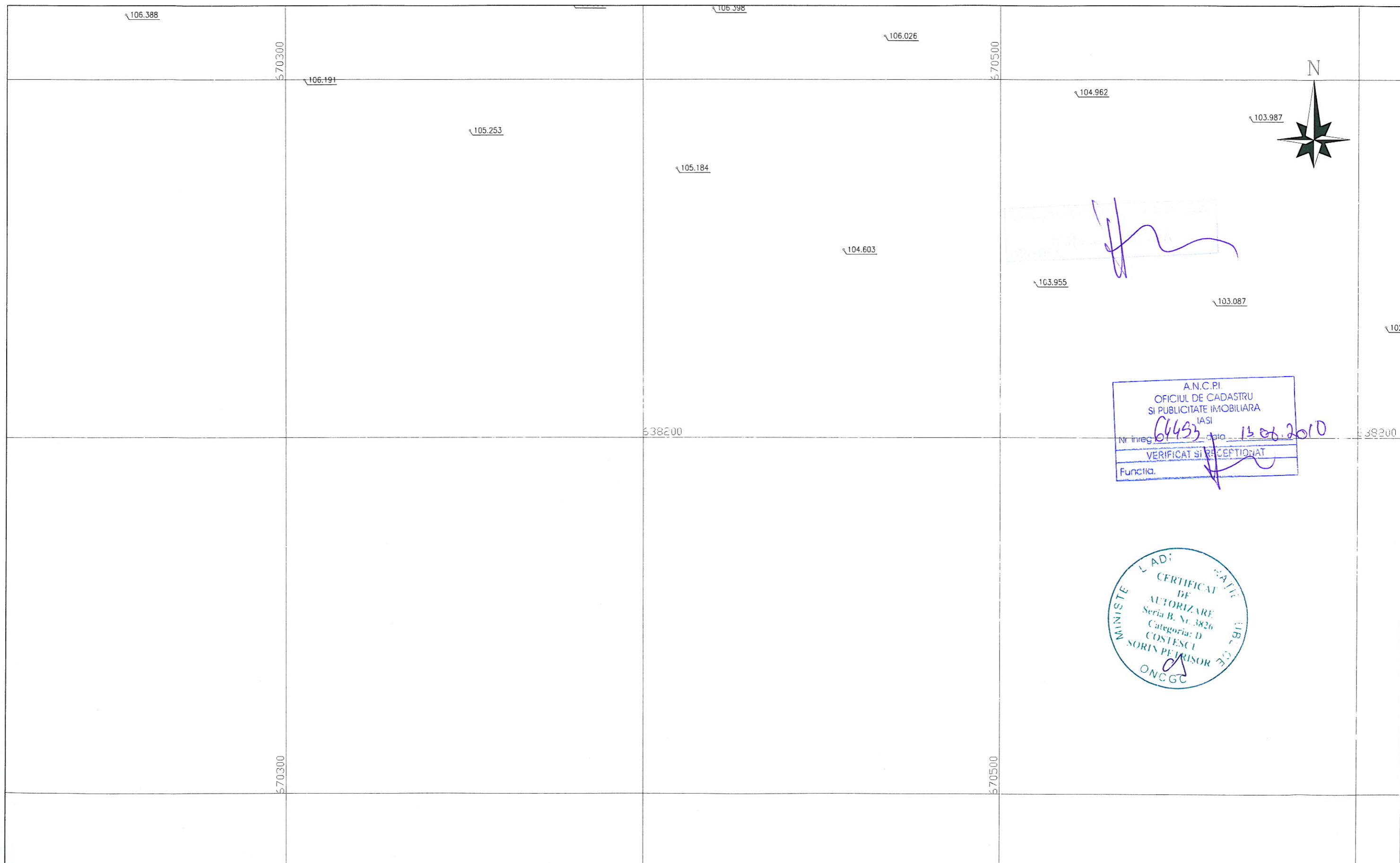


A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg: 6453 data 13.08.2010
VERIFICAT SI RECEPTIONAT
Funcția.

MINISTERUL LAD
CERTIFICAT
DE
AUTORIZARE
Seria B. Nr. 3826
Categorie: D
COSTESCU
SORIN PELESOR
ONCGC

| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 2 |
| Redactat : ing. A. Miran | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |



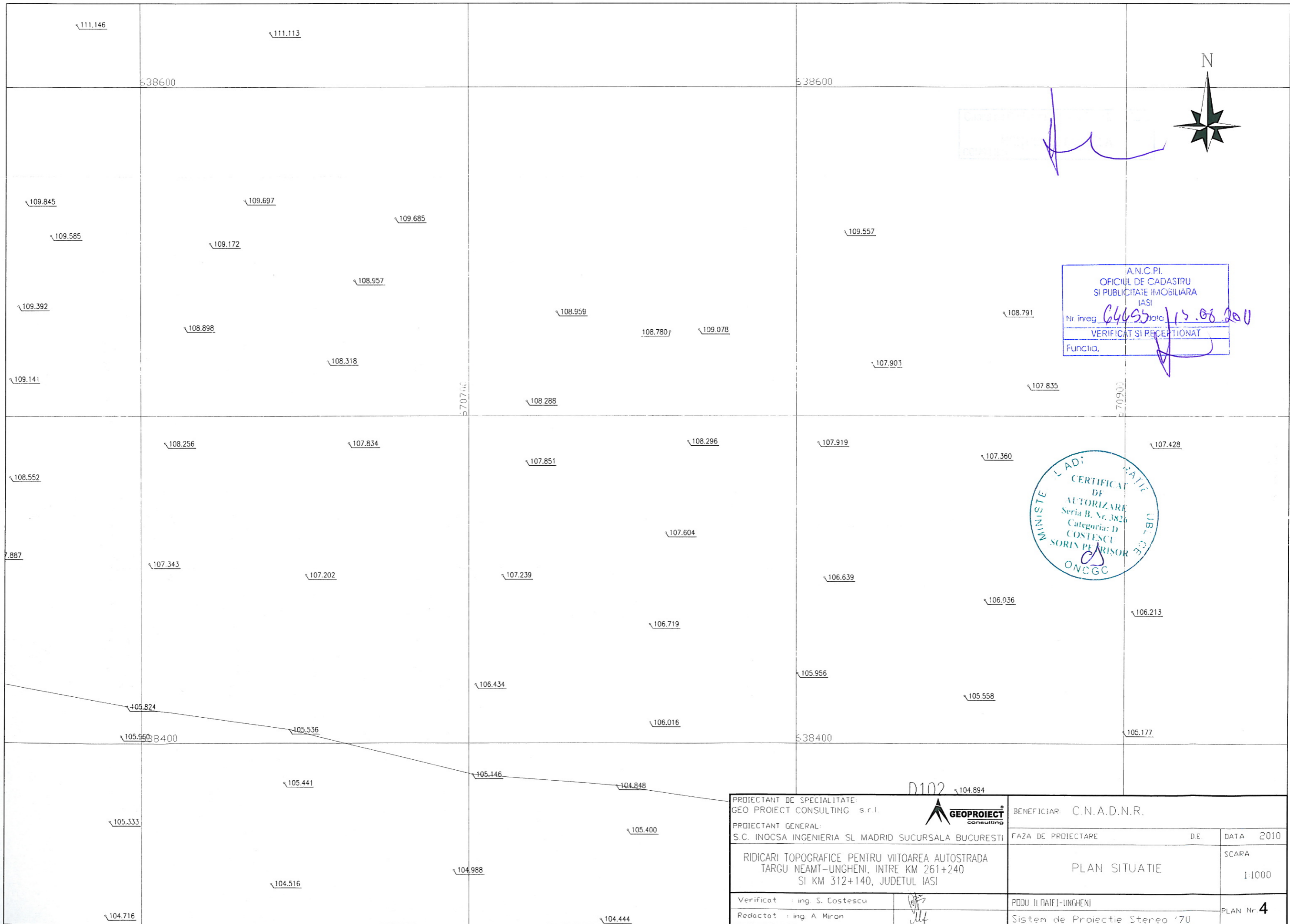


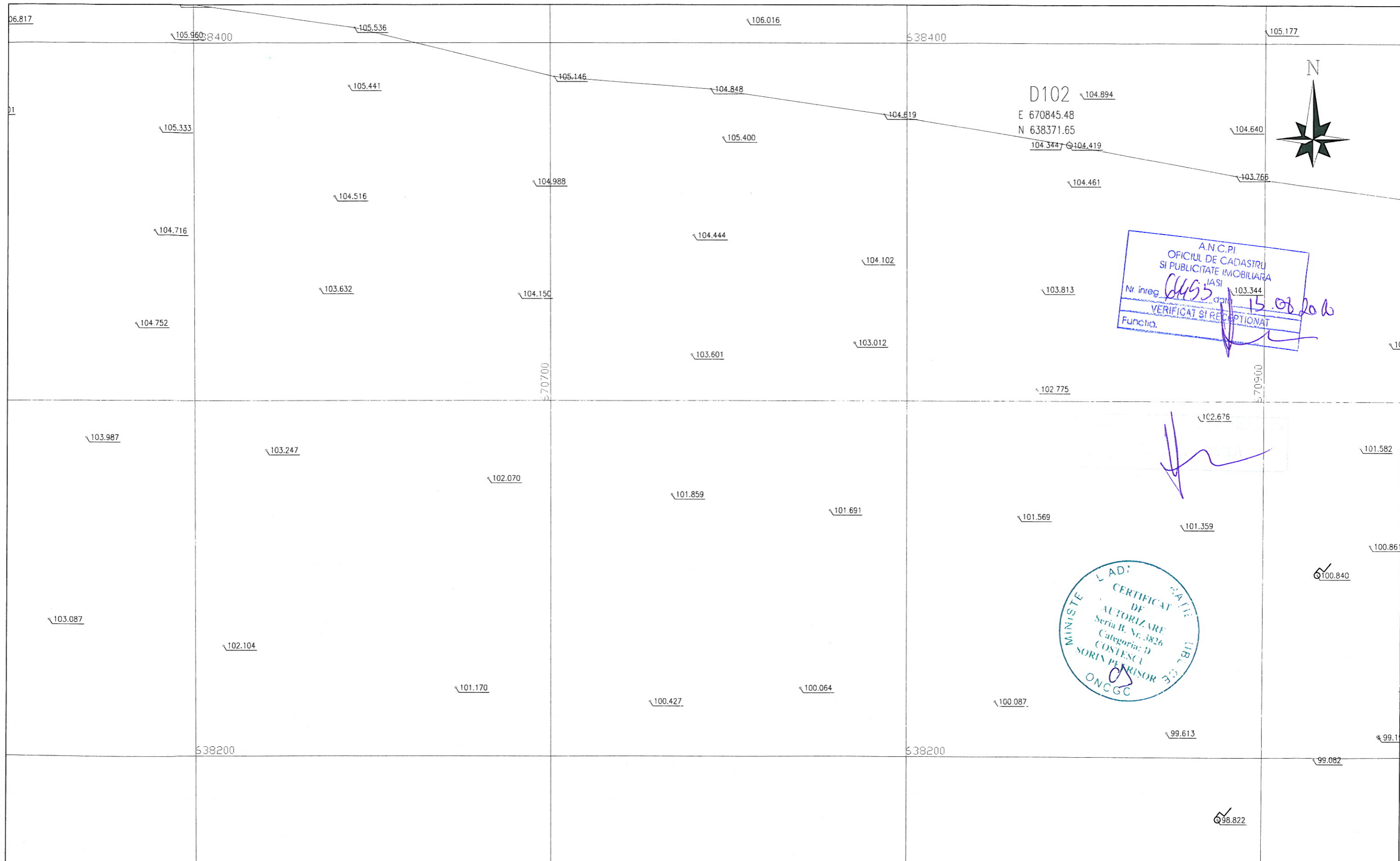
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.06.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*




MINISTERUL AGRICULTURII SI PADURILOR
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PETRISOR
 ONCGC

D100
 E 670260.03
 N 638065.83
 Q102.182

| | | | |
|--|--------------------|--------------------------------|-------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 3 |
| Redactat : ing. A. Miran | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |





| | | | | | |
|--|---|---|----|-------------------------|------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE | DATA | 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | | SCARA 1:1000 | |
| Verificat : ing. S. Costescu |  | PODU ILOAIEI-UNGHENI | | PLAN Nr. 5 | |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | | | |



638800

638800

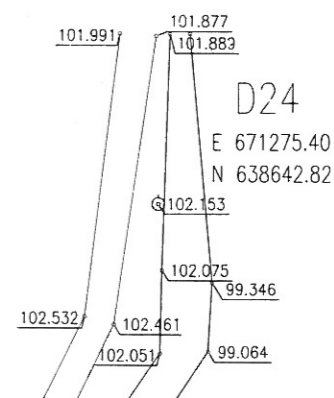
D23

E 671295.14 ± 99.503
N 638769.69

| | |
|---------------------------|------------------------|
| A.N.C.P.I. | |
| OFICIUL DE CADASTRU | |
| SI PUBLICITATE IMOBILIARA | |
| IASI | |
| Nr înreg. <u>64453</u> | Data <u>13.06.2014</u> |
| VERIFICAT SI RECEPTIONAT | |
| Funcția. | |

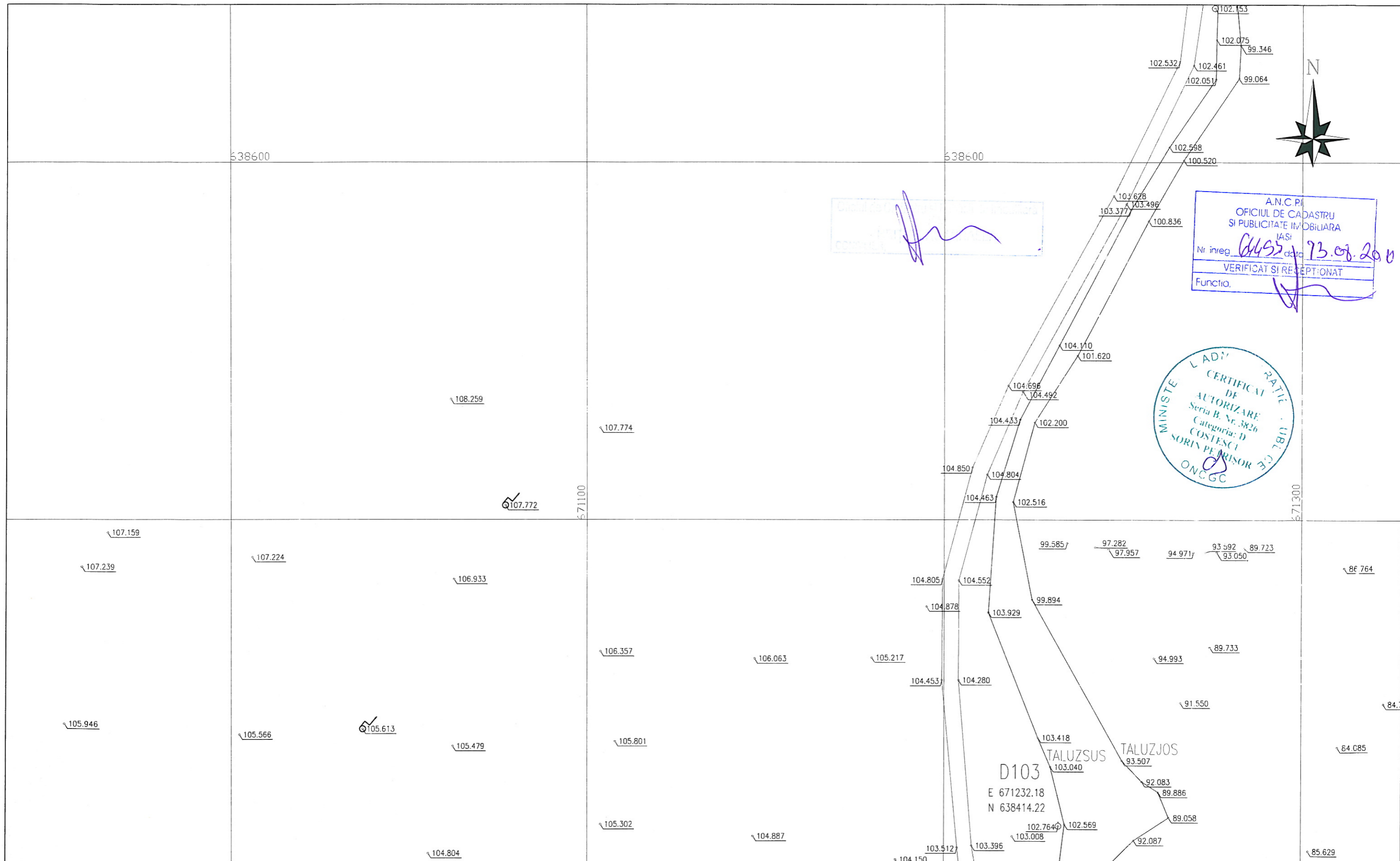
671100

671300



638600

| | | | | | |
|--|--------------------|---------------------------------|----|--------------------------|--------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE | DATA | 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | | SCARA | 1:1000 |
| Verificat | : ing. S. Costescu | PODU ILDATEI-UNGHENI | | PLAN Nr. 6 | |
| Redactat | : ing. A. Miron | Sistem de Proiectie Stereop '70 | | | |

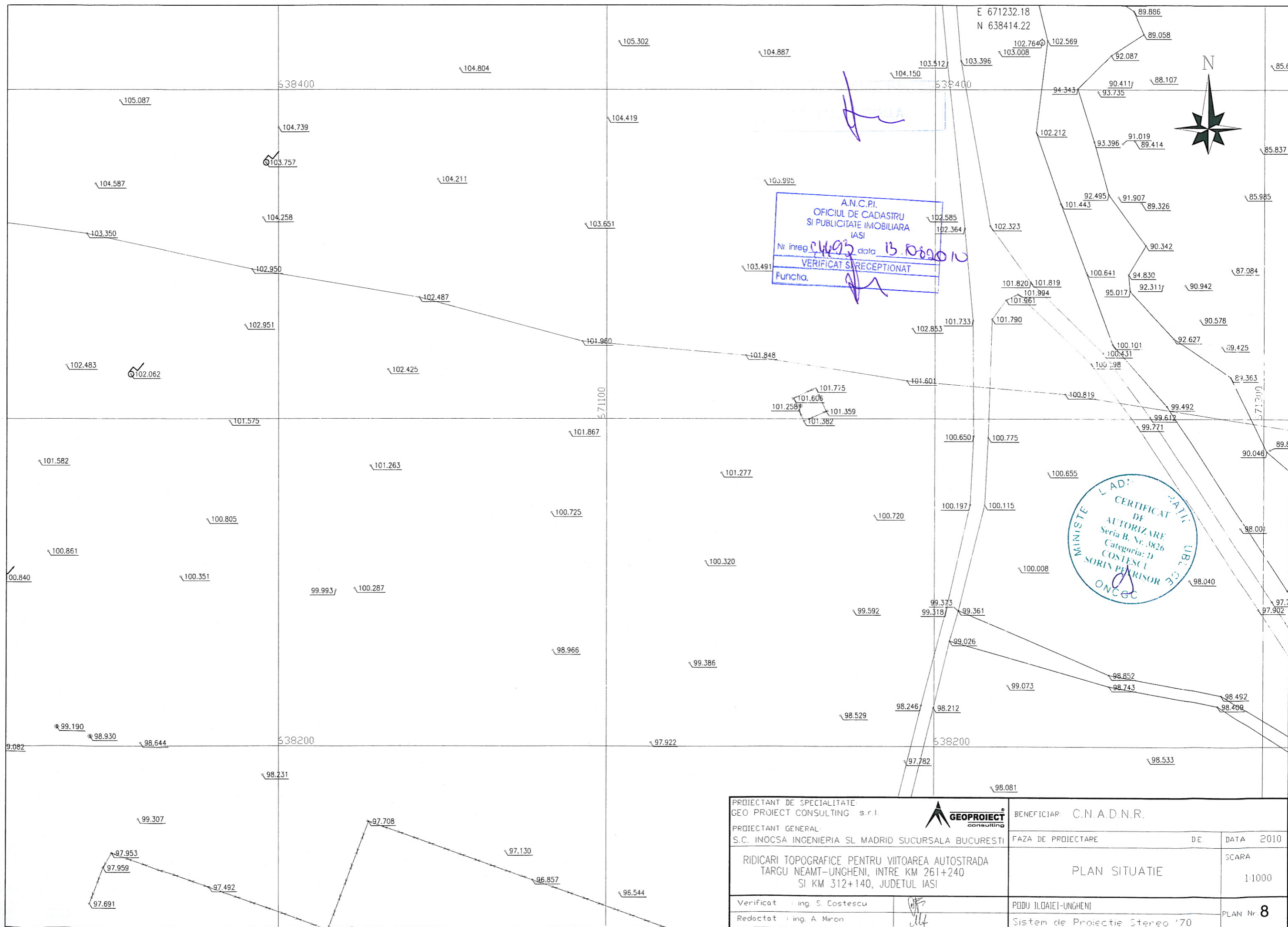


A.N.C.P.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 6455 data 13.08.2010
 VERIFICAT SI RECEPTONAT
 Functia. *[Signature]*

MINISTERUL ADMINISTRATIEI
 PUBLICE
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEABRISOR
 ONCGC

D103
 E 671232.18
 N 638414.22
 TALUZSUS
 103.040
 TALUZJOS
 93.507
 92.083
 89.886
 89.058
 92.087
 102.764
 103.008
 102.569
 103.396
 103.512
 104.150

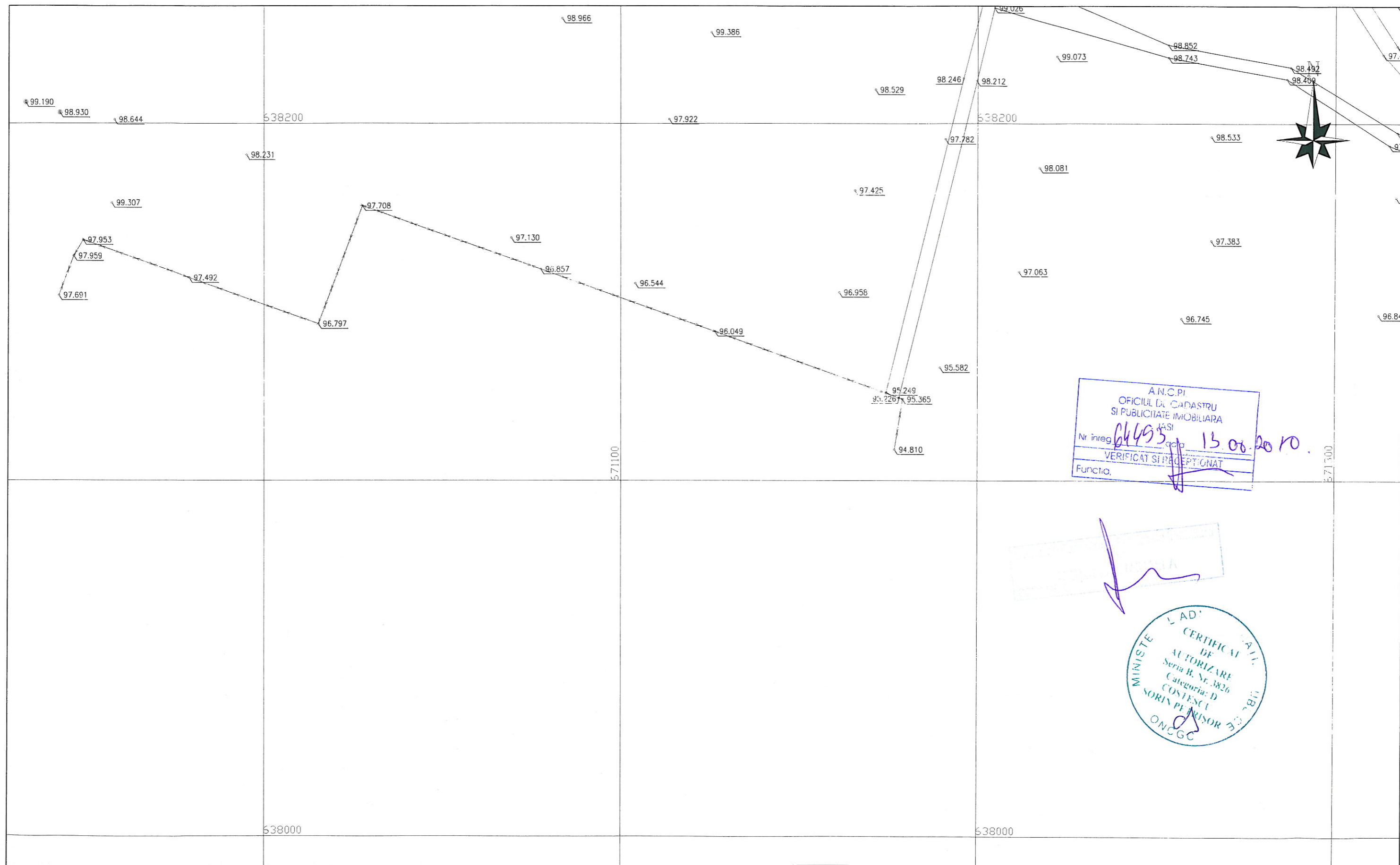
| | | | |
|--|--------------------|---------------------------------|-------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCAPA 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereop '70 | PLAN Nr. 7 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 2495 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERUL DE
 TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PENRISOR
 ONCBC

| | | | |
|--|--|--------------------------|----|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : ing. S. Costescu | | SCARA | |
| Redactat : ing. A. Miron | | 1:1000 | |
| PODIU ILDAIEI-UNGHENI | | PLAN Nr. 8 | |
| Sistem de Proiectie Stereo '70 | | | |

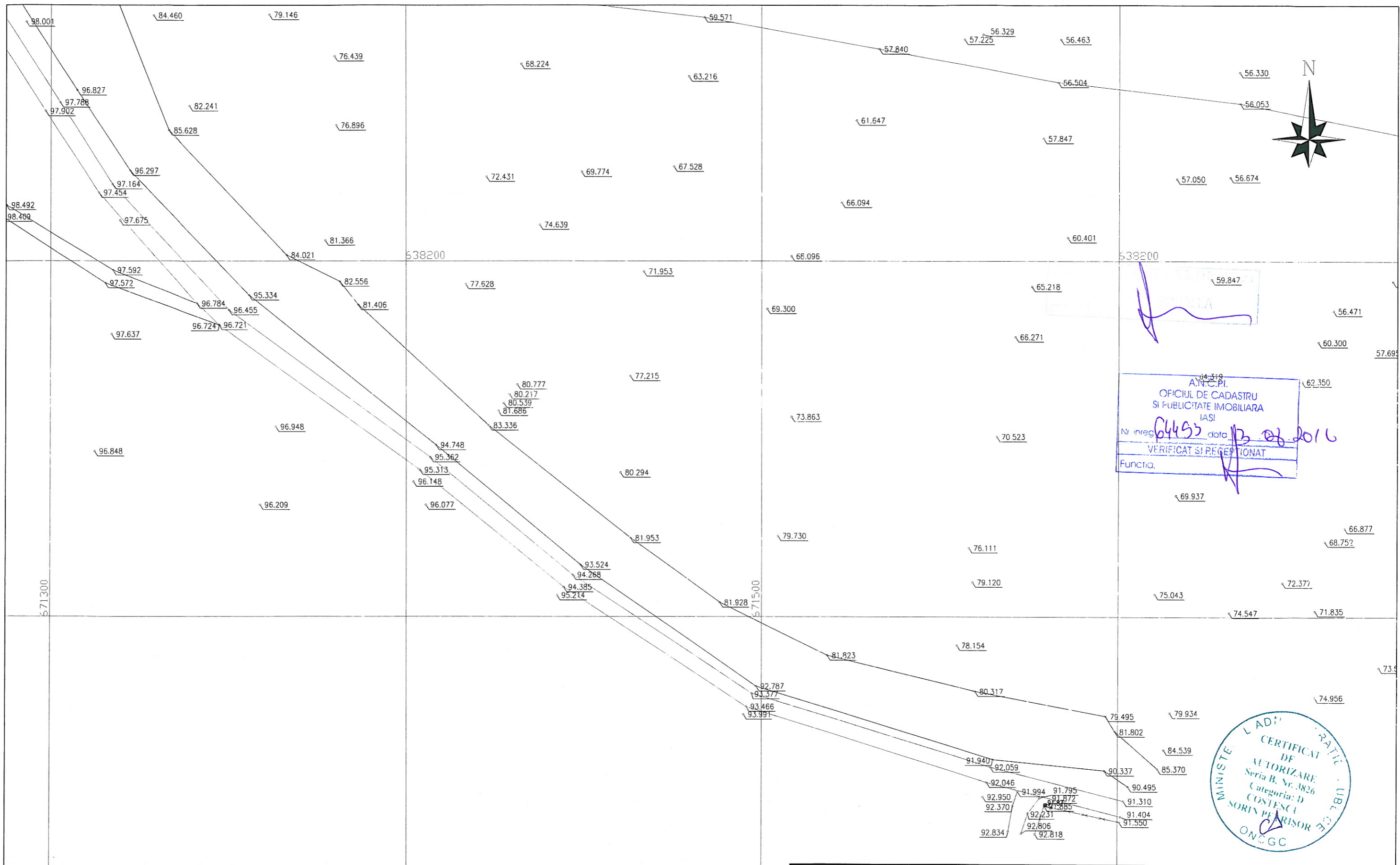


A.N.C.P.I
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64495 / 13.06.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

[Signature]

CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEVISOR
 ONGGC

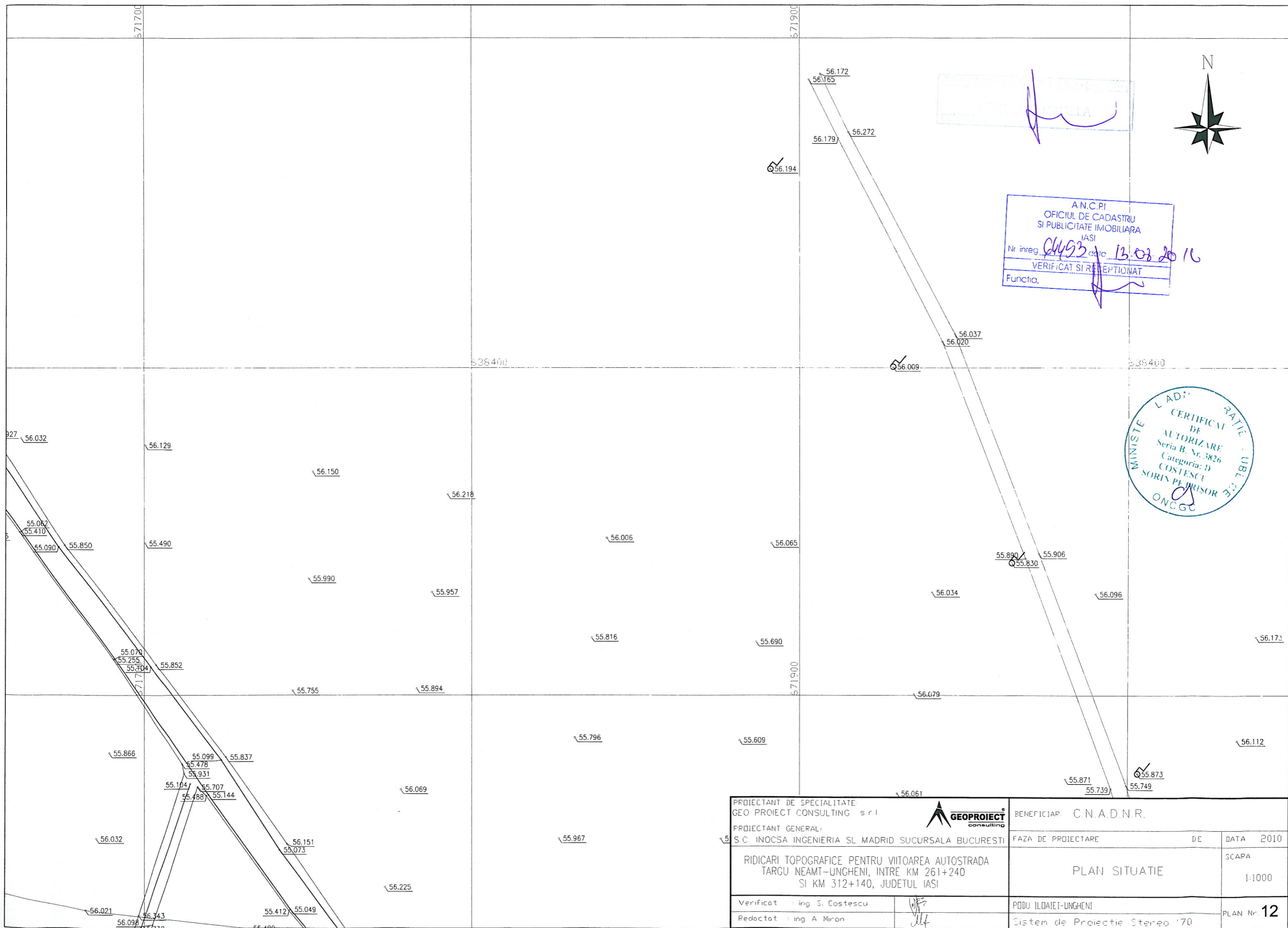
| | | | |
|--|-------------|---------------------------------|-------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 9 |
| Redactat : ing. A. Miron | [Signature] | Sistem de Proiectie Stereoa '70 | |



AN.C.PI.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.02.2016
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERUL LAD
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARISOR
 ONCGC

| | | | |
|---|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 11 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

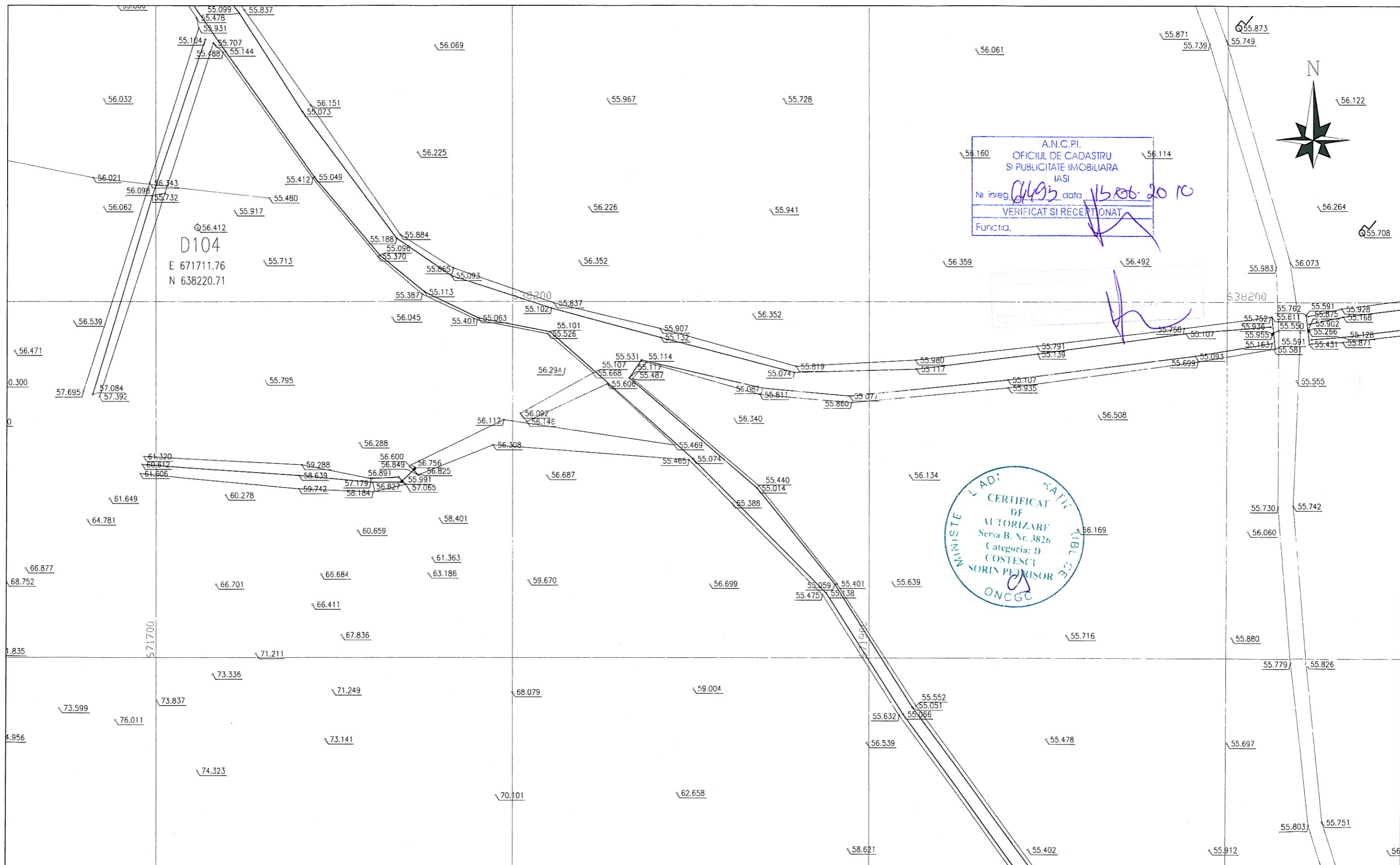


PROIECTANT DE SPECIALITATE
 GEO PROIECT CONSULTING S.R.L.
 PROIECTANT GENERAL:
 S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 0493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. _____

MINISTERUL AGRICULTURII SI DEZVOLTURII RURAL
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PE DRUSOR
 ONCCG

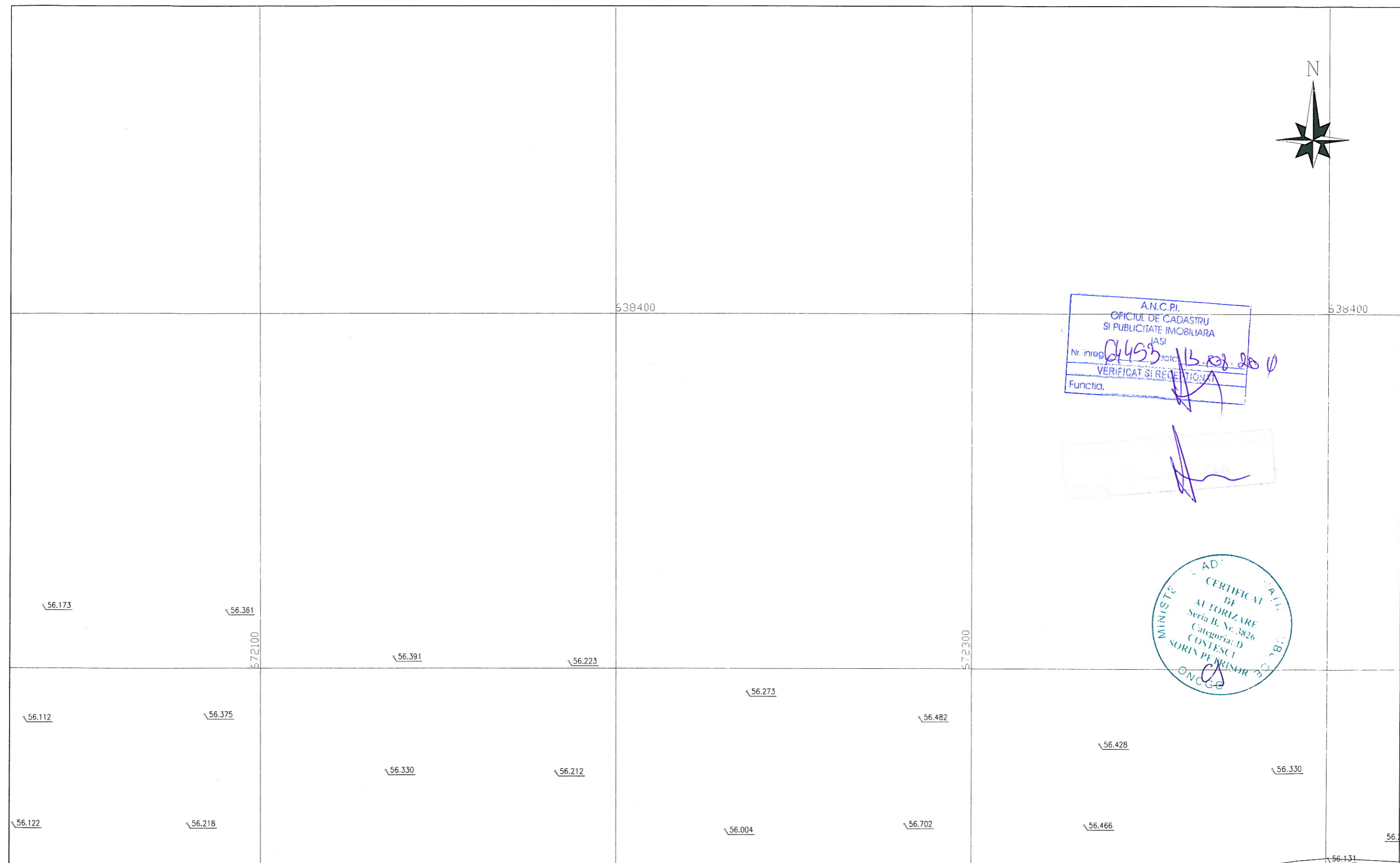
| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 12 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *6493* data *15.06.2010*
 VERIFICAT SI RECEPTONAT
 Functia. *[Signature]*

MINISTERE L ADI
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 13 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereografic '70 | |

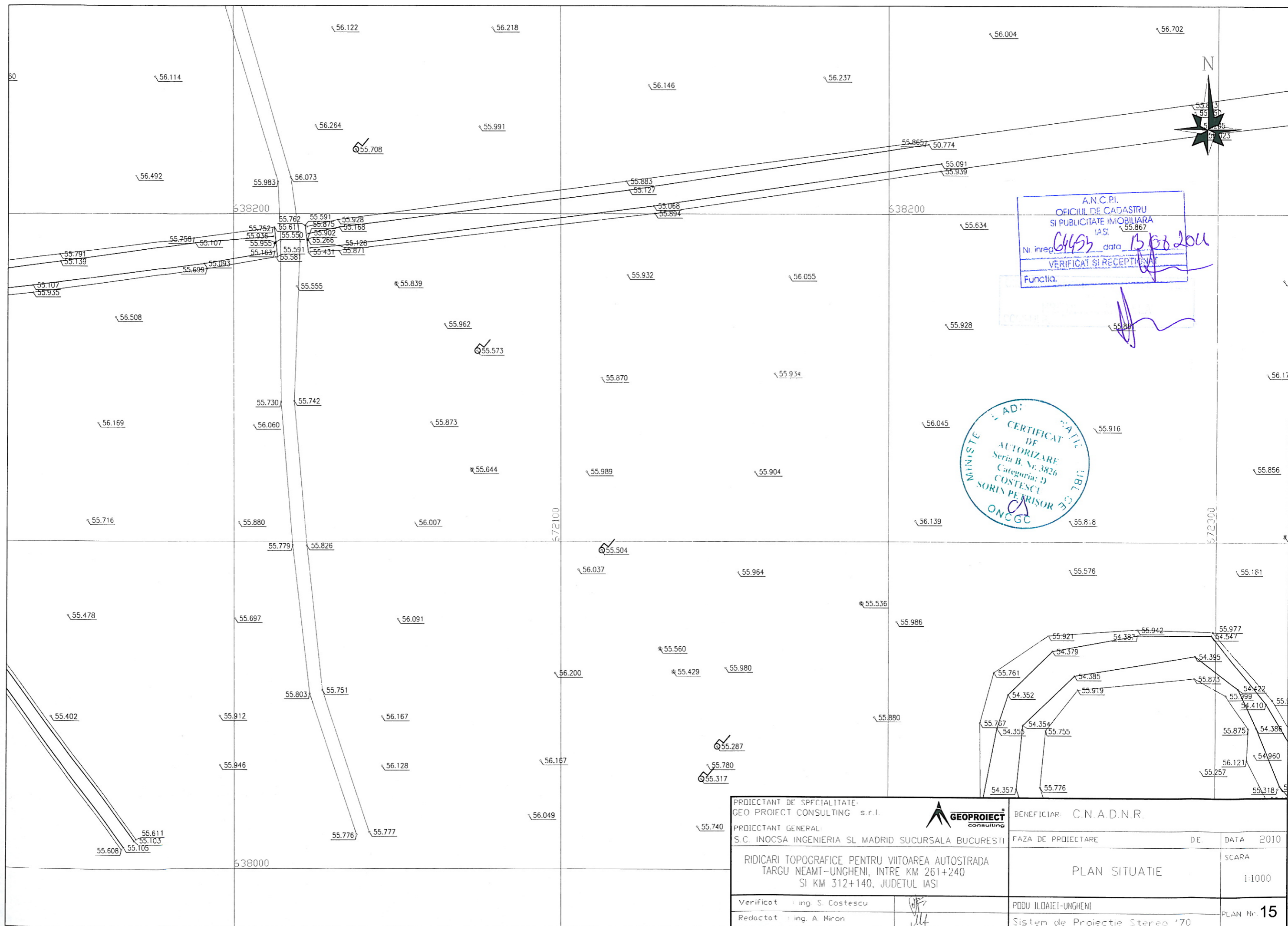





A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 0453 / 13.08.2010
 VERIFICAT SI REVENTIONAT
 Functia.

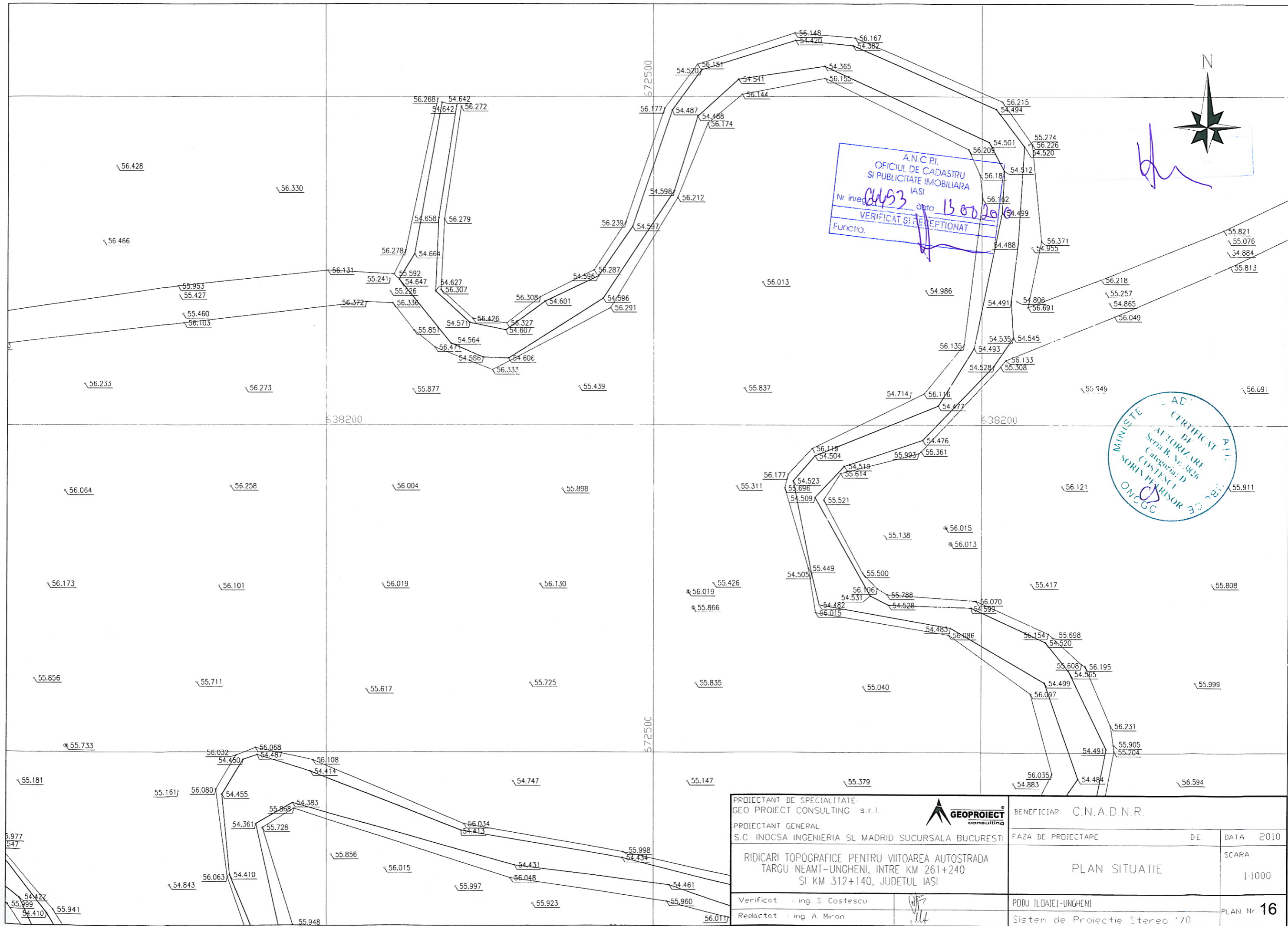
[Handwritten signature]

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PE BRISOR
 ONCGE

| | | | |
|--|--------------------|--------------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereografic '70 | PLAN Nr. 14 |



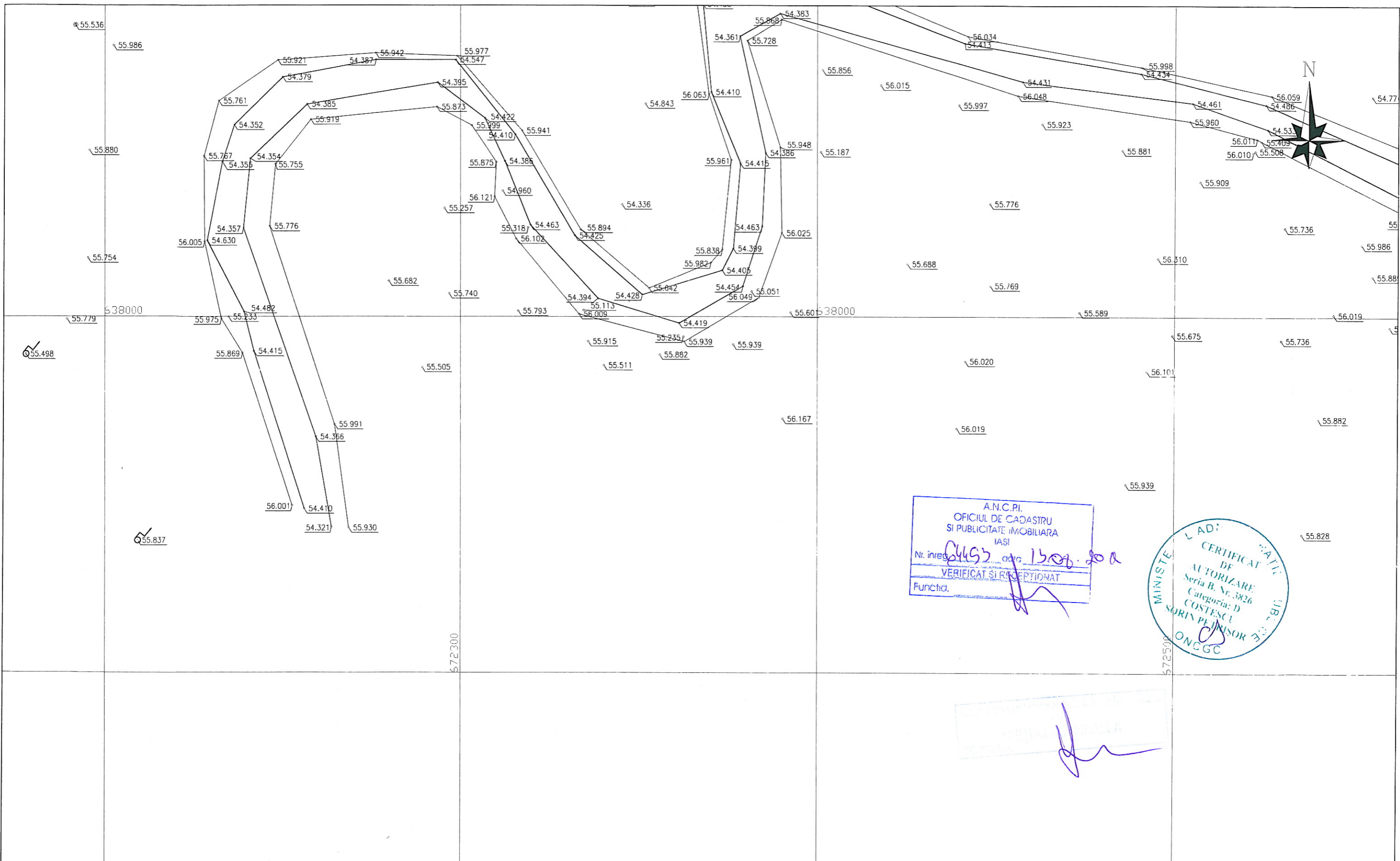
| | | | | | |
|--|---|---|----|--------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE | DATA | 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu |  | PODU ILOAJEI-UNGHENI | | PLAN Nr. 15 | |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | | | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *0453* data *13.07.2016*
 VERIFICAT SI RECEPTIONAT
 Functia.

AD. CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria D
 COSTESCU
 GEORON
 SORIN PARRISOR

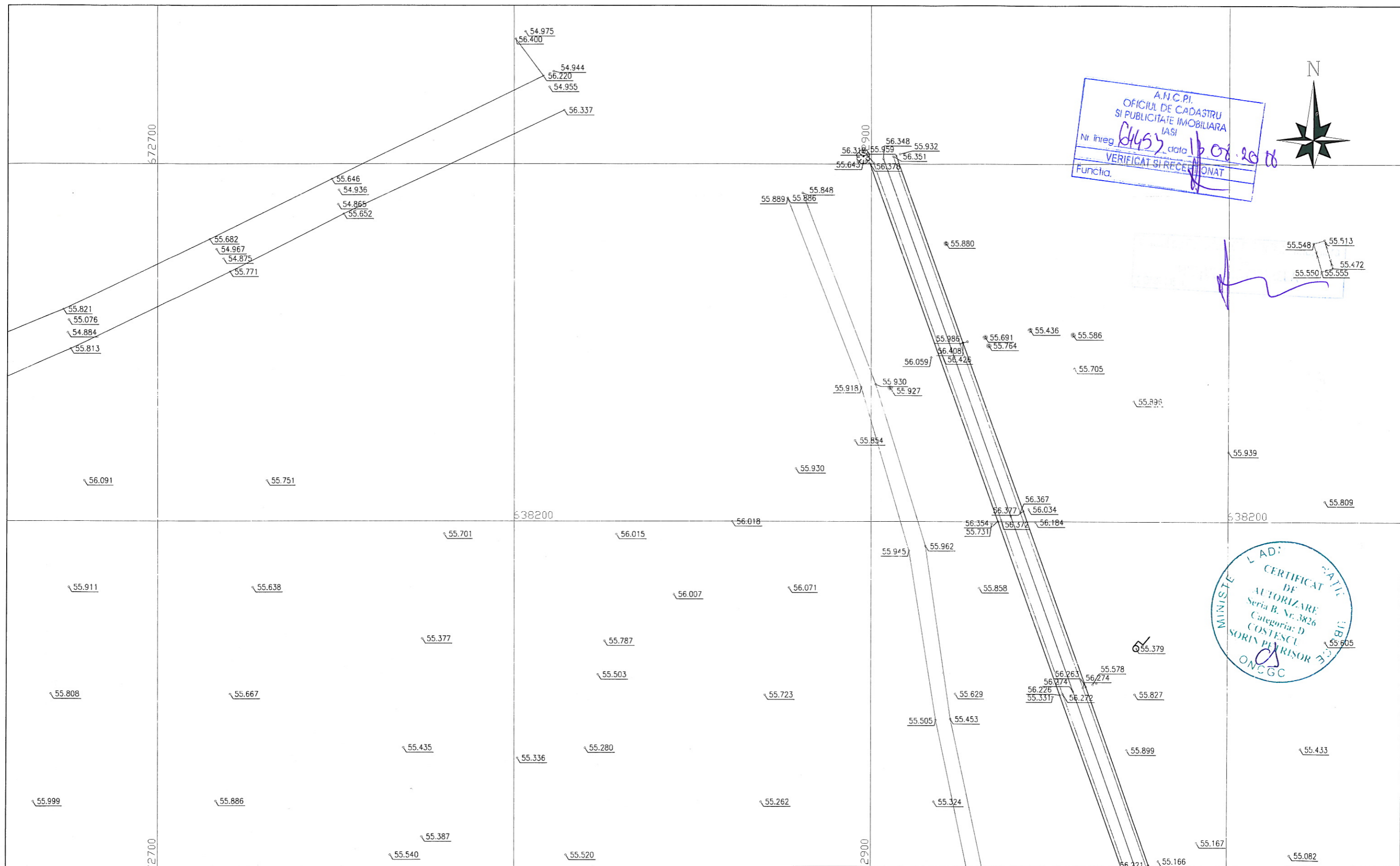
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 16 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 0453 data 15.07.2010
 VERIFICAT SI RECEPTIONAT
 Functia. _____

CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria D
 COSTESCU
 SORIN PEIRISOR
 ONCCG

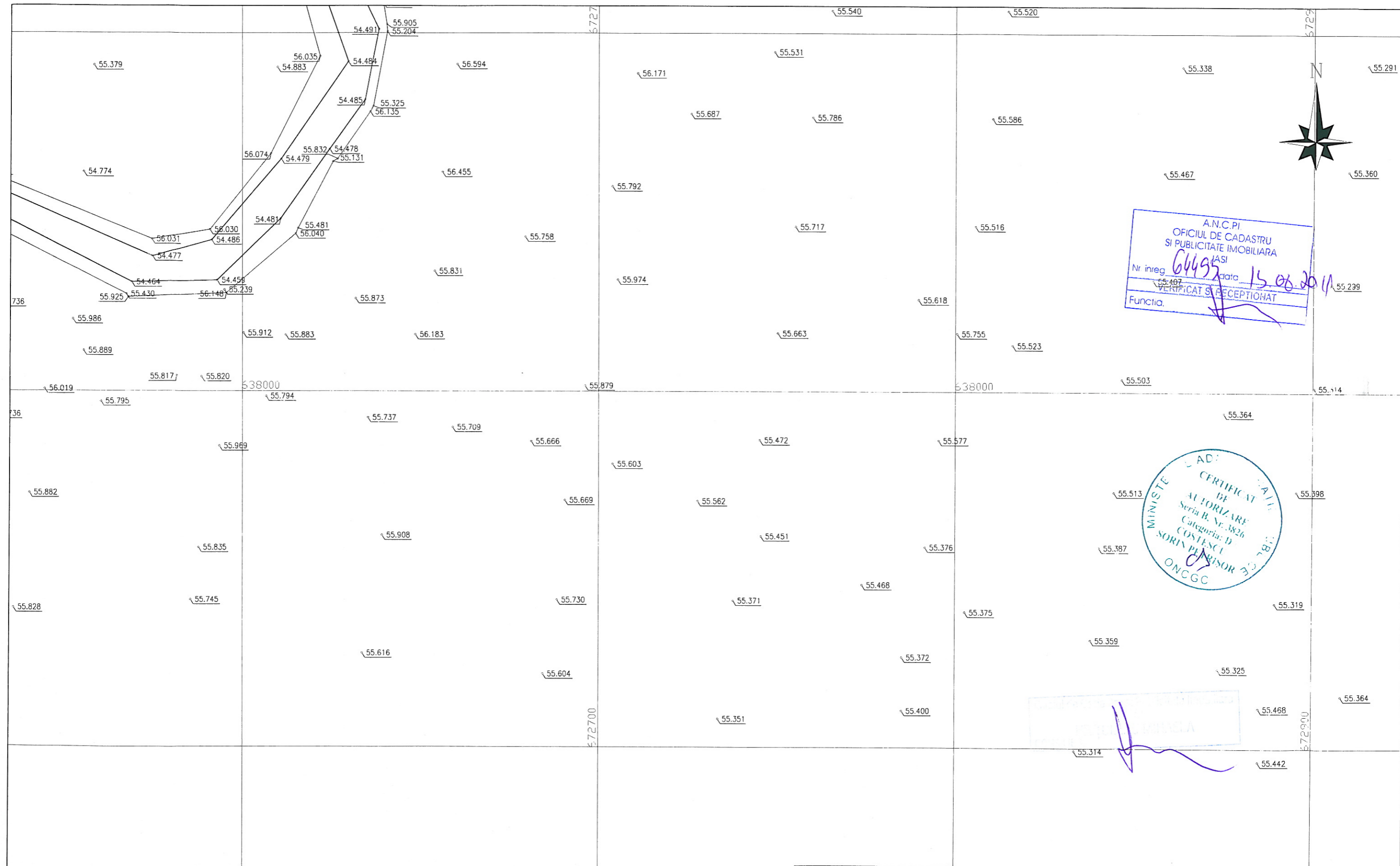
| | | | |
|---|--|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAJEI-UNGHENI | PLAN Nr. 17 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereoa '70 | |






A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6453 data 16.08.2016
 VERIFICAT SI RECEPTONAT
 Functia.



| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 18 |

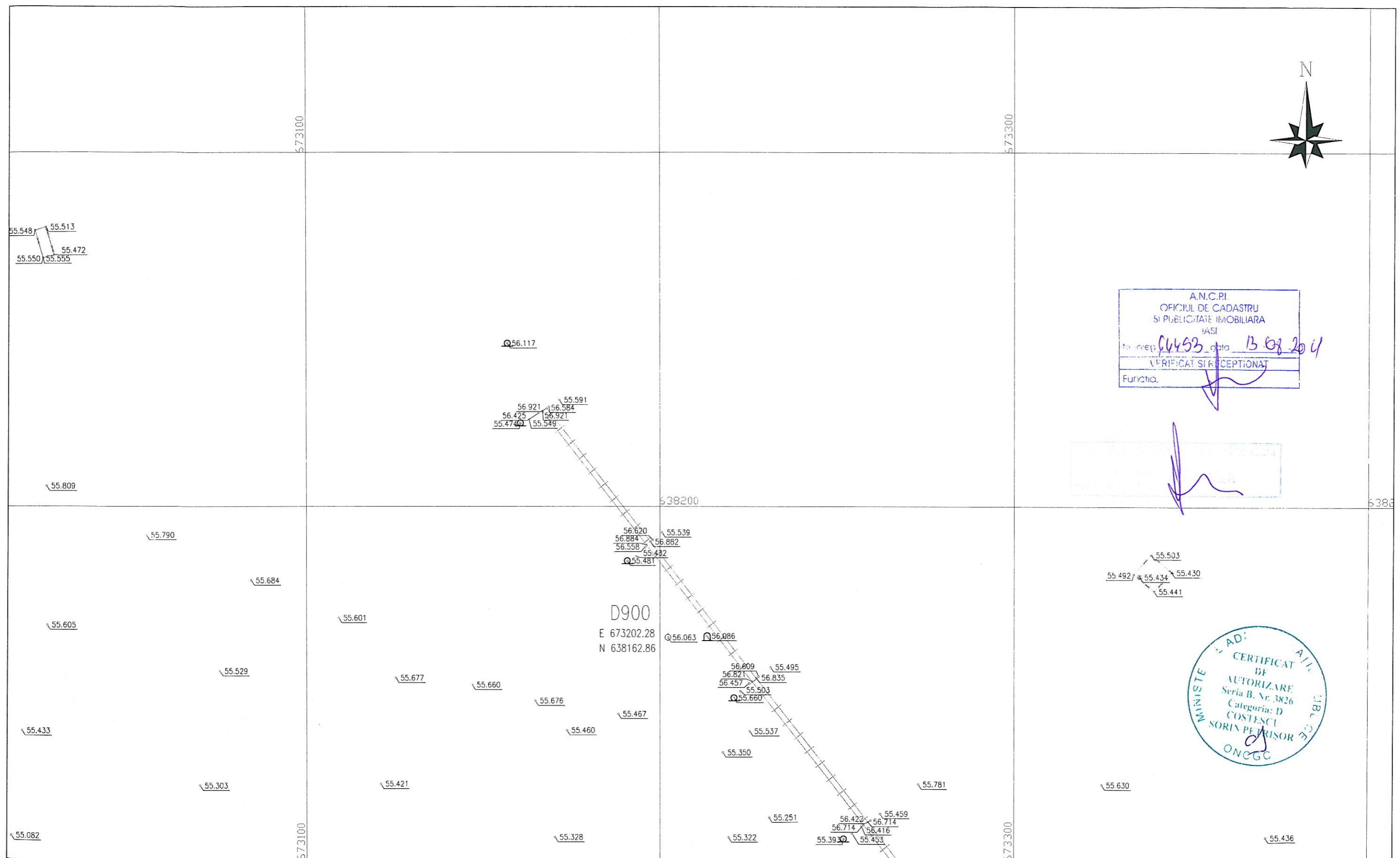


| | | | |
|--|--|--|---------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l.  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| | | SCARA 1:1000 | |
| Verificat : ing. S. Costescu  | Redactat : ing. A. Miron  | PODU ILOAIEI-UNGHENI Sistem de Proiectie Stereo '70 | PLAN Nr. 19 |

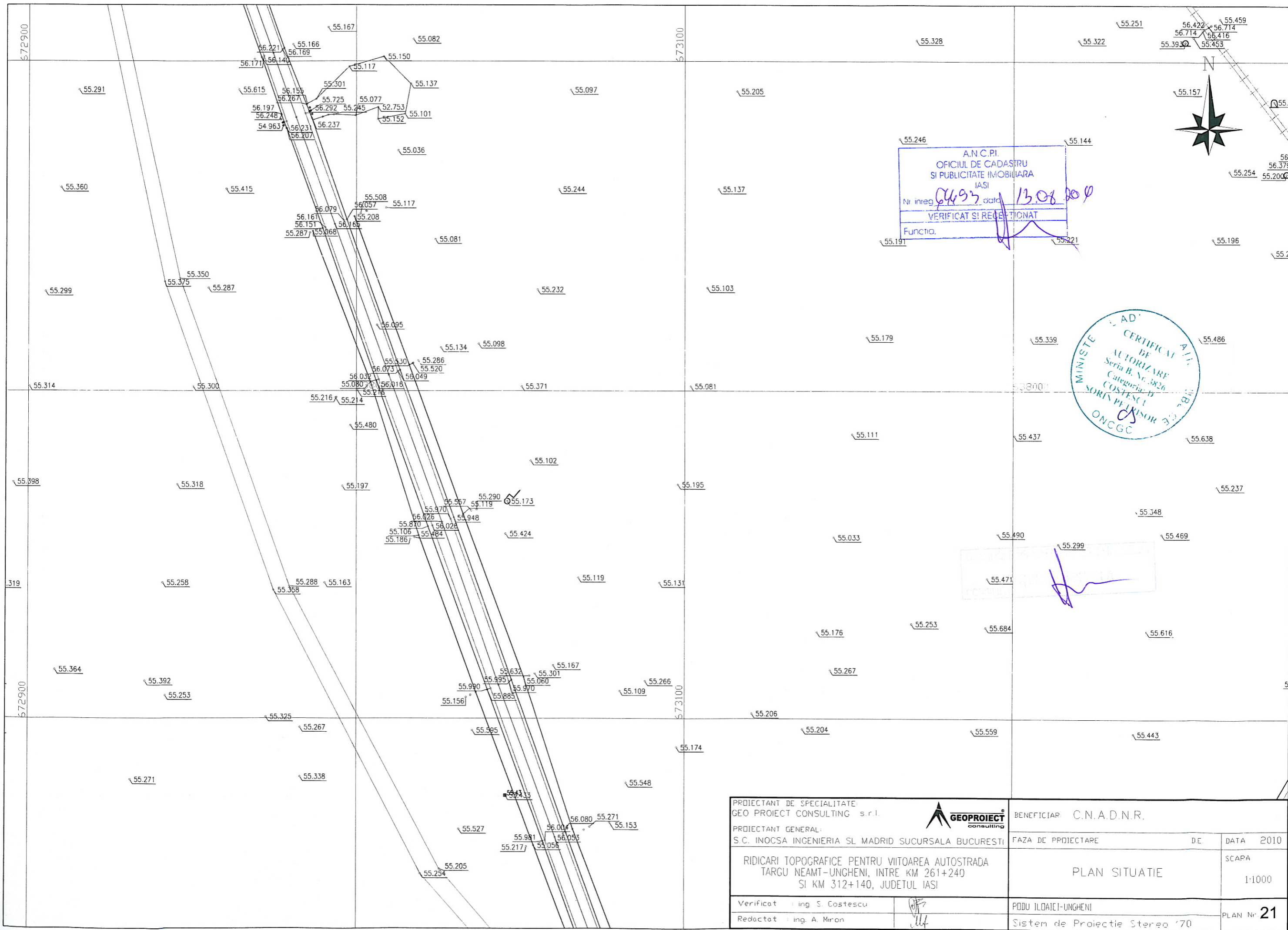


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

[Signature]



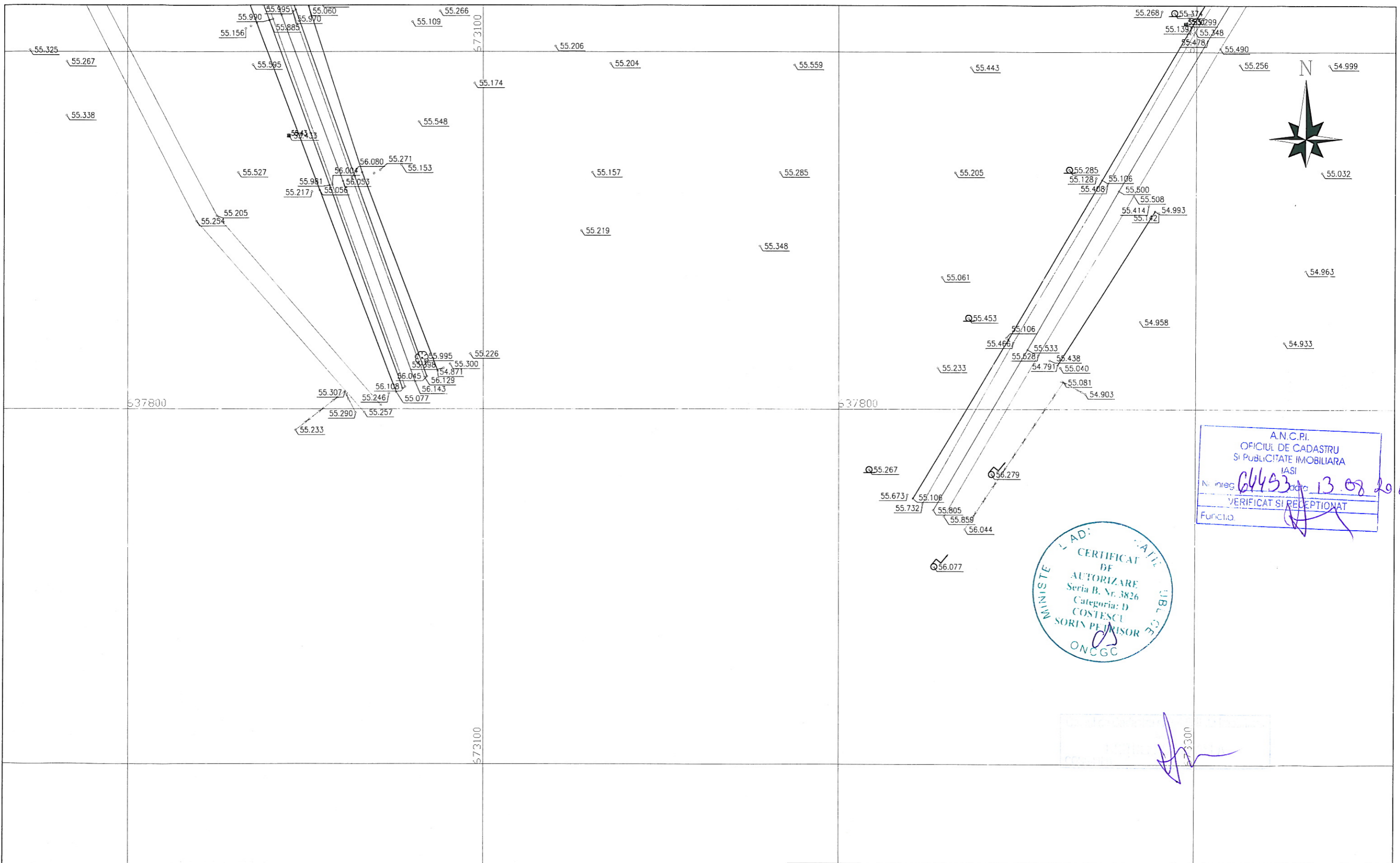
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE: DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 20 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 2493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. _____

AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3836
 Categoria: B
 COSTESCU
 SORIN PETRISOR
 ONCGC

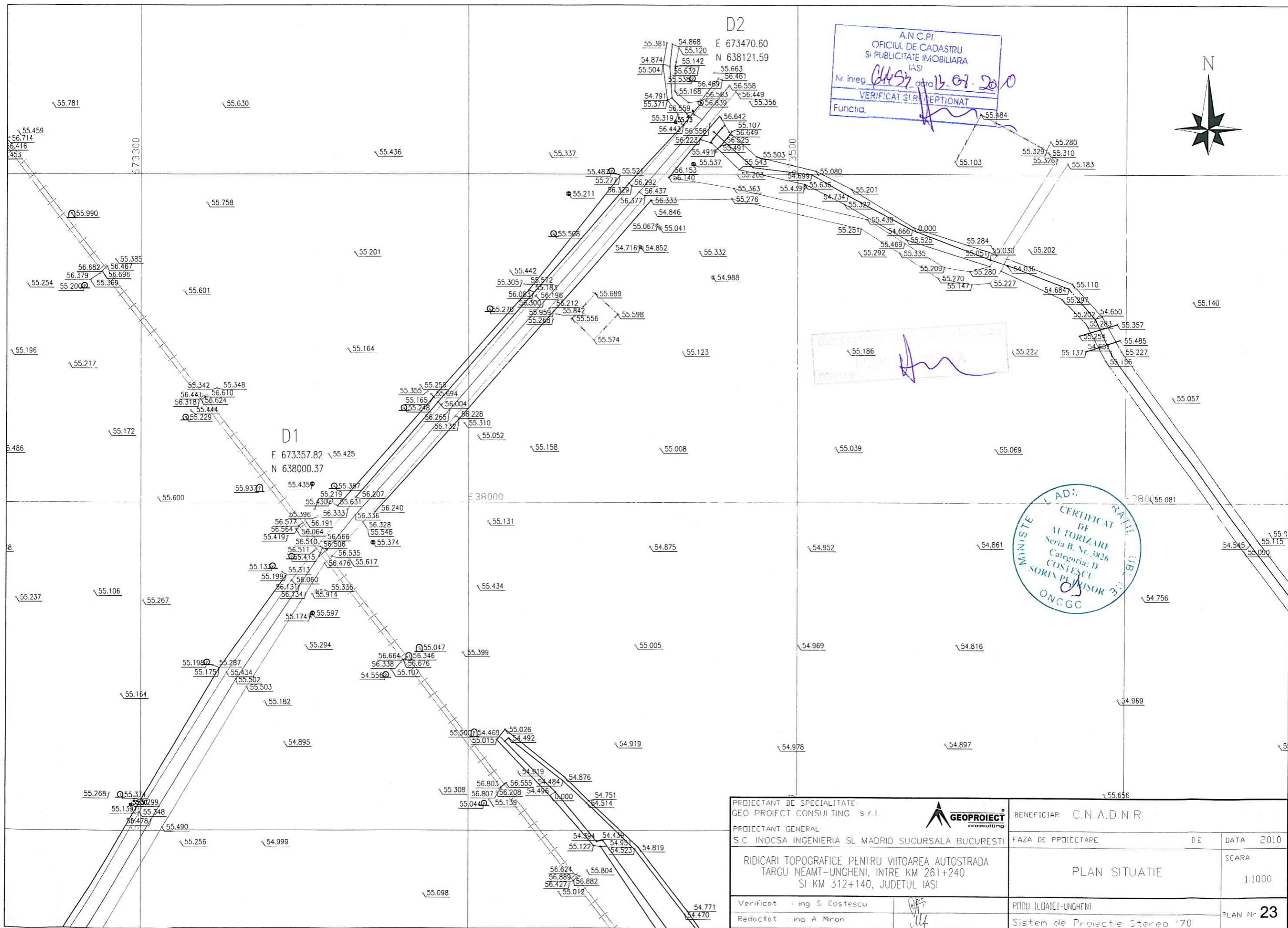
| | | | |
|--|--------------------|--------------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : Ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 21 |
| Redactat : Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereografic '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. **64453** data **13.08.2014**
 VERIFICAT SI RECEPTIONAT
 Funcia.



| | | | |
|---|---------------------------------|----|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | BENEFICIAR: C.N.A.D.N.R. | | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | FAZA DE PROIECTARE | DE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETEL IASI | PLAN SITUATIE | | SCARA 1:1000 |
| Verificat : ing. S. Costescu | PODU ILOAIEI-UNGHENI | | PLAN Nr. 22 |
| Redactat : ing. A. Miron | Sistem de Proiectie Stereoa '70 | | |



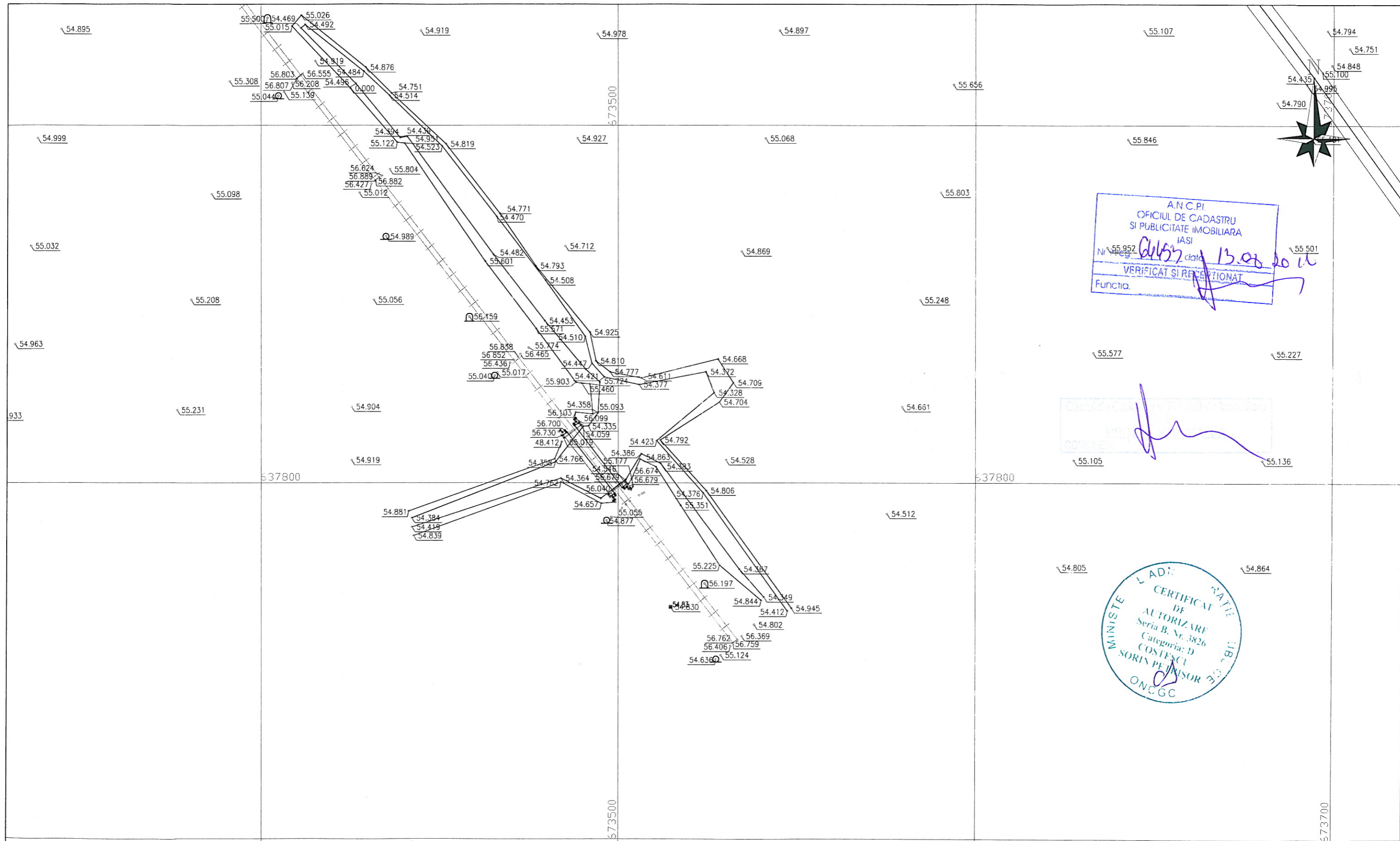
A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg *4457* data *13-07-2010*
VERIFICAT SI RECEPTIONAT
Funcia,



[Handwritten signature]

CERTIFICAT DE
AUTORIZARE
Seria B. Nr. 3826
Categorie: D
COSTESCU
SORIN PEABRISOR
ONCGC

| | | | |
|--|--------------------|--------------------------------|-------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | SCARA | 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 23 |
| | | Sistem de Proiectie Stereo '70 | |

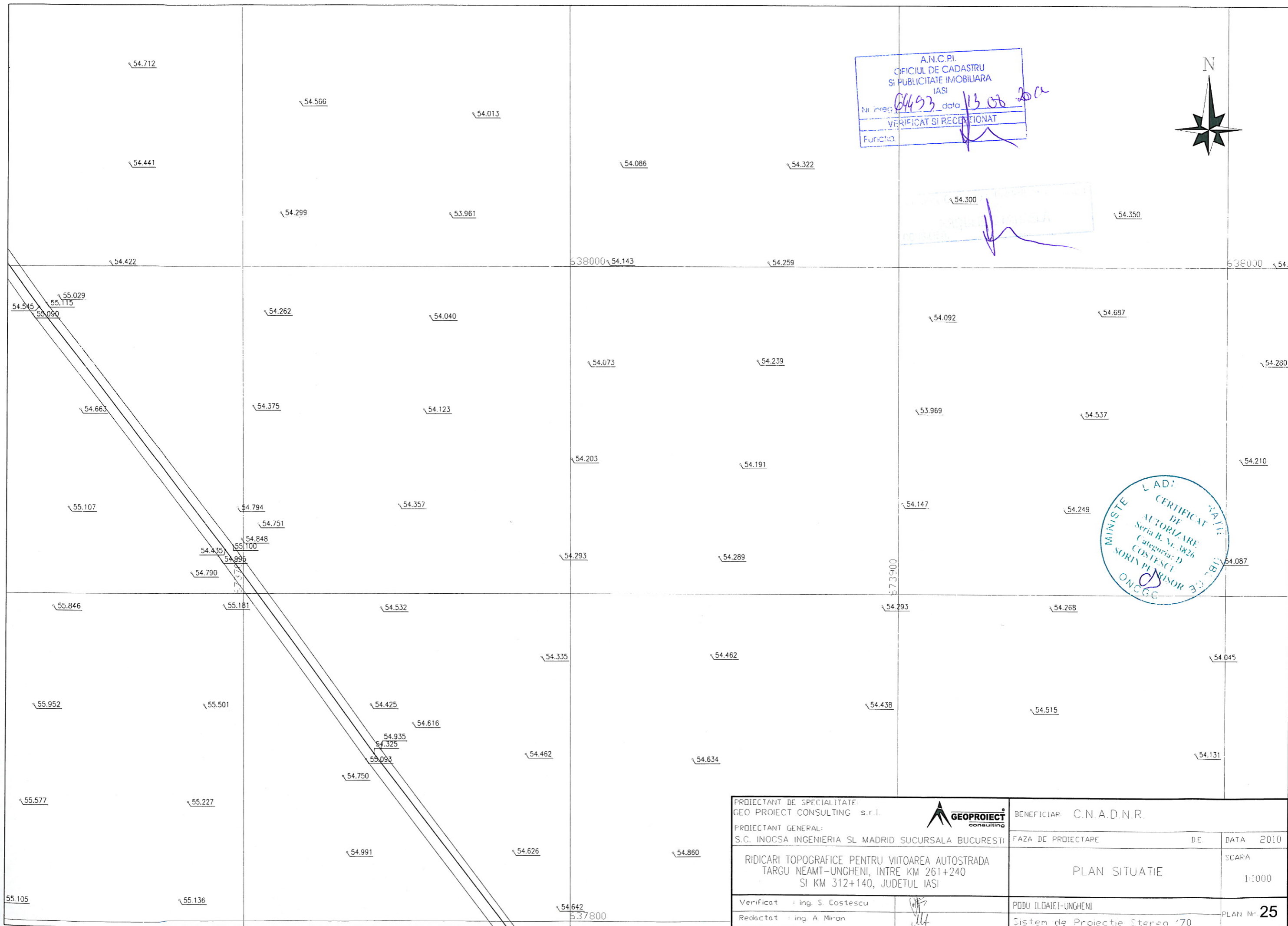


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. 55.952 data 13.08.2010
 VERIFICAT SI RECESIONAT
 Functia.

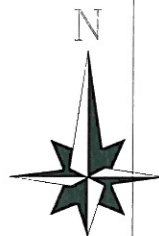
Handwritten signature in blue ink.

MINISTERUL ADRIAN PAUN
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEJINISOR
 ONCGC

| | | | |
|--|--------------------|----------------------------------|-------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | SCARA PLAN SITUATIE 1:1000 | |
| Redactat : ing. A. Miron | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 24 |
| | | Sistem de Proiectie Stereop '70 | |

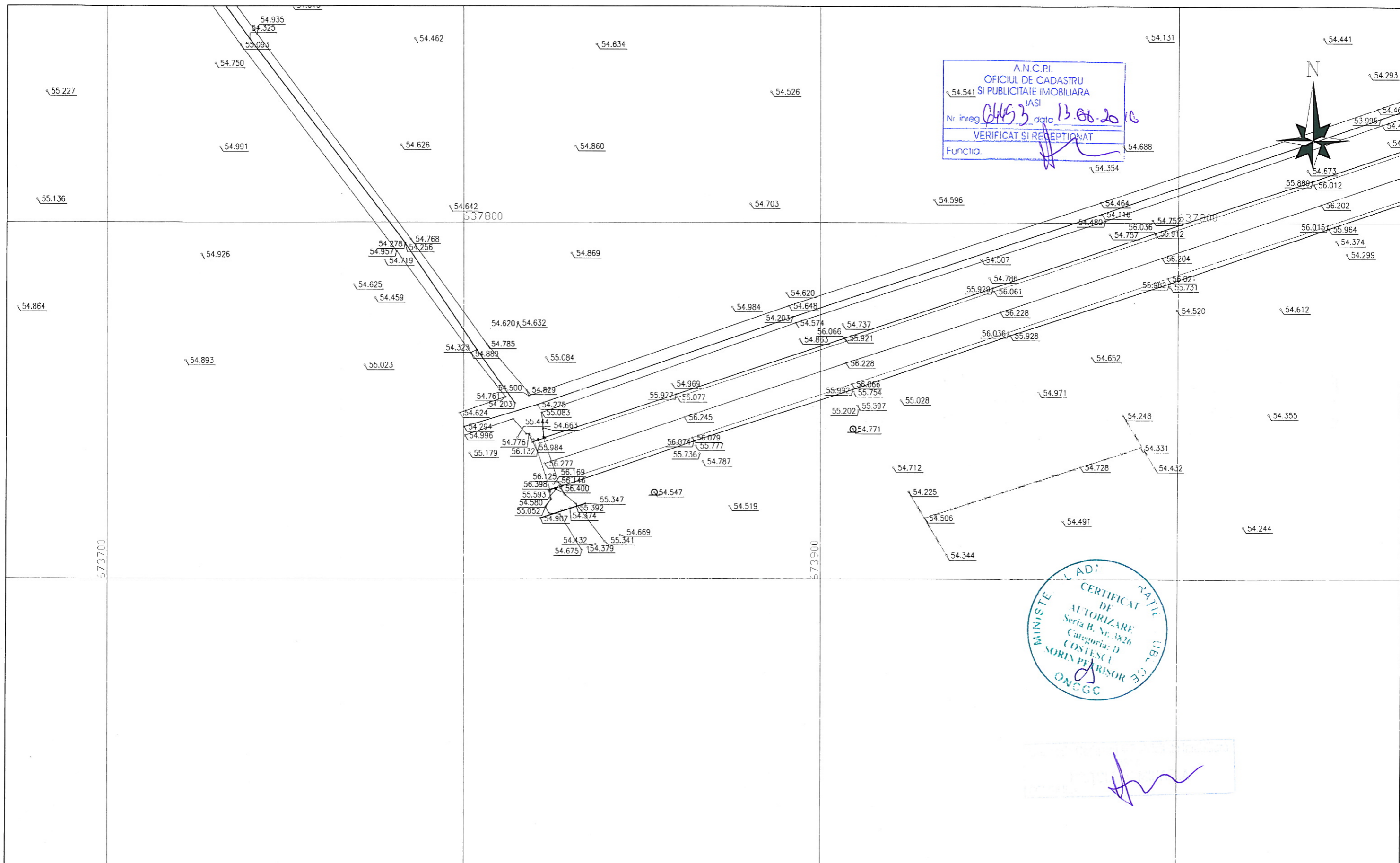


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2011
 VERIFICAT SI RECEPTIONAT
 Functia _____

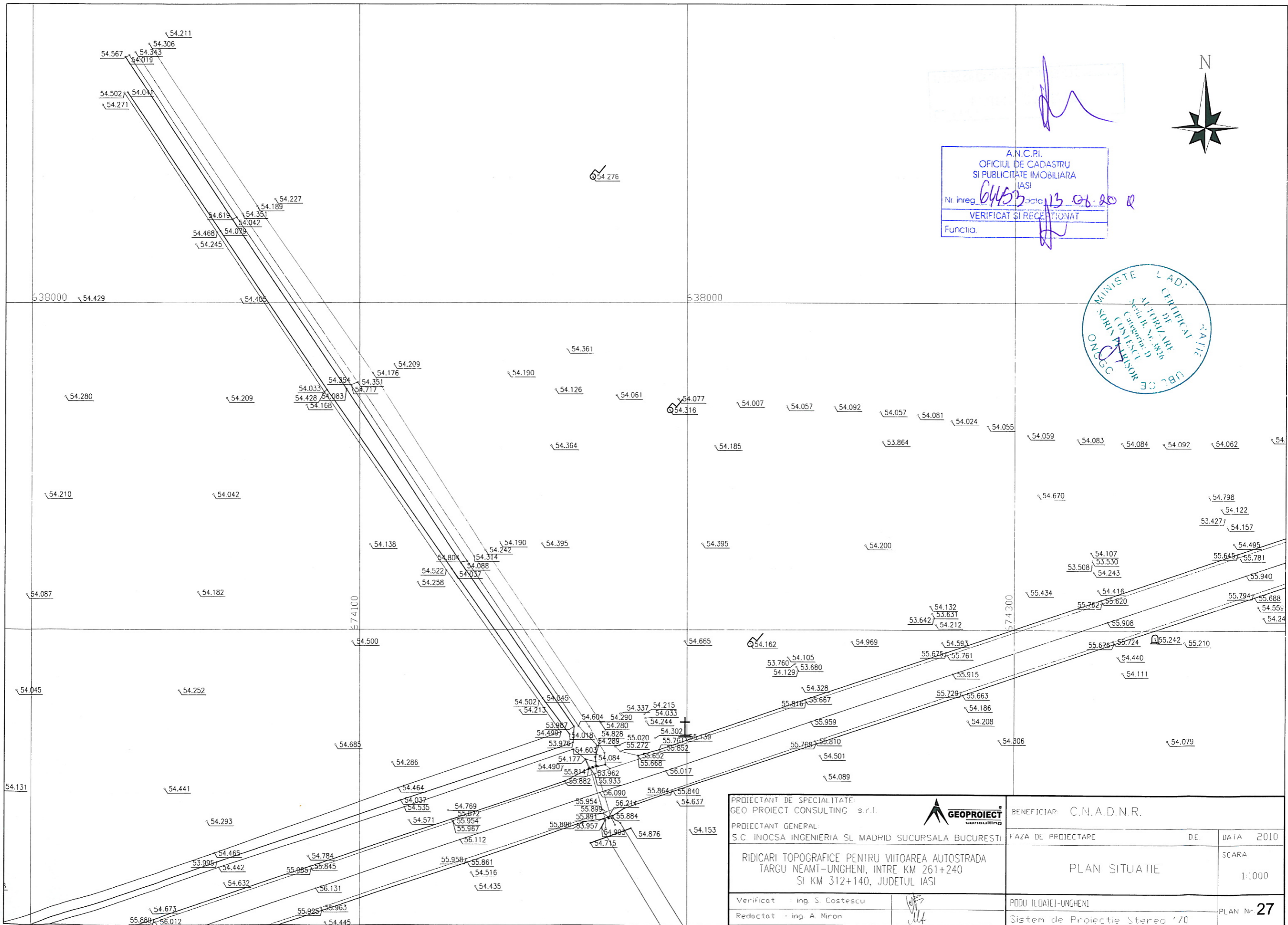


CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERISOR
 ONCGG

| | | | |
|--|--|--------------------------|----|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : ing. S. Costescu | | SCAPA | |
| Redactat : ing. A. Miran | | PLAN SITUATIE | |
| PODU ILDAJEI-UNGHENI | | 1:1000 | |
| Sistem de Proiectie Sterea '70 | | PLAN Nr. 25 | |

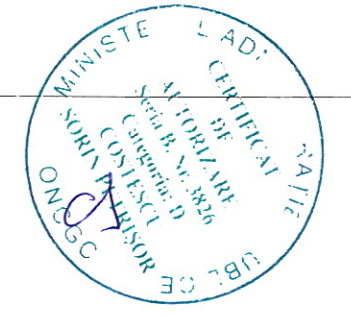


| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 26 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

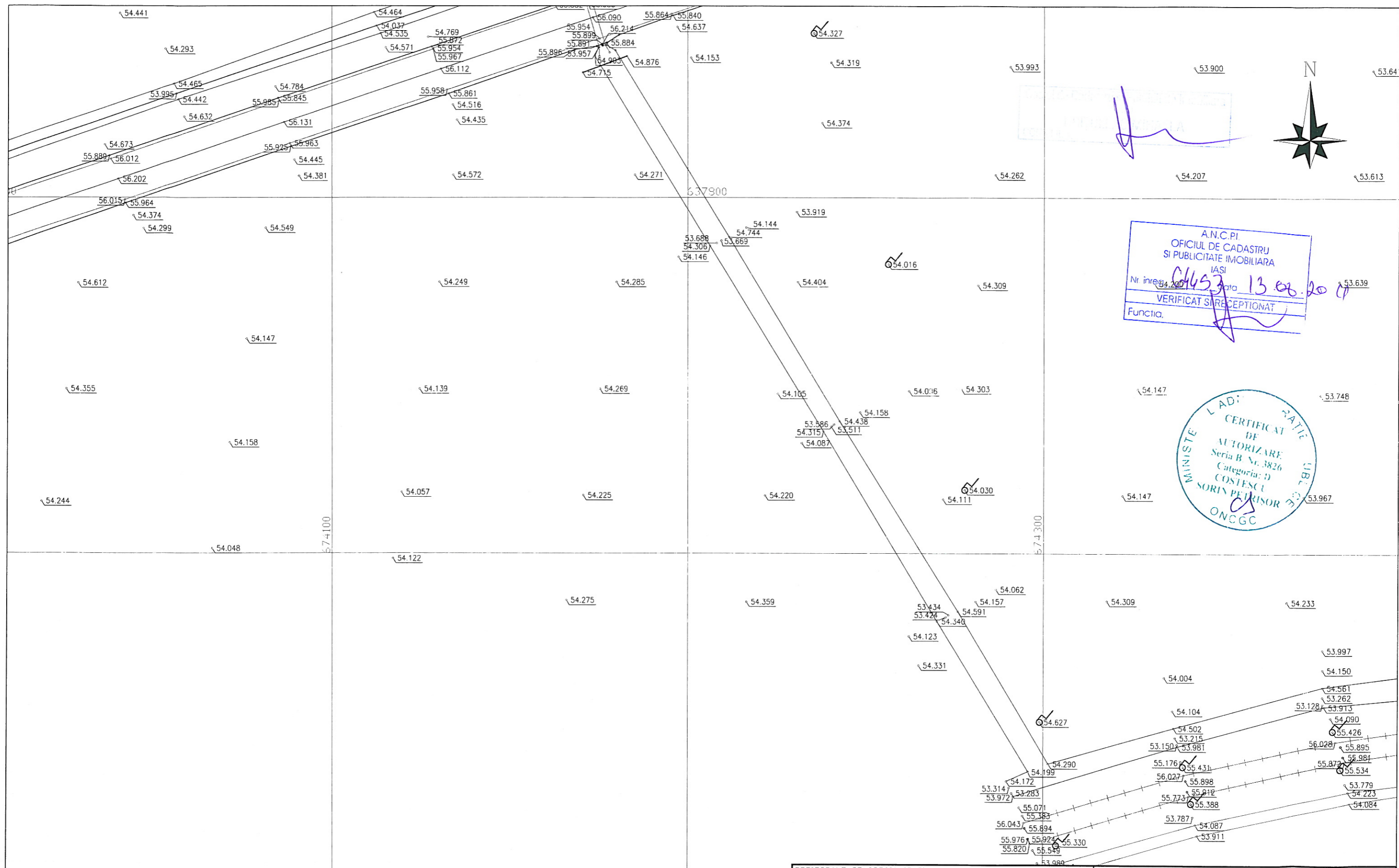


[Handwritten signature]

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. *6453* data *13.06.20*
 VERIFICAT SI RECEPTIIONAT
 Functia: *[Handwritten signature]*



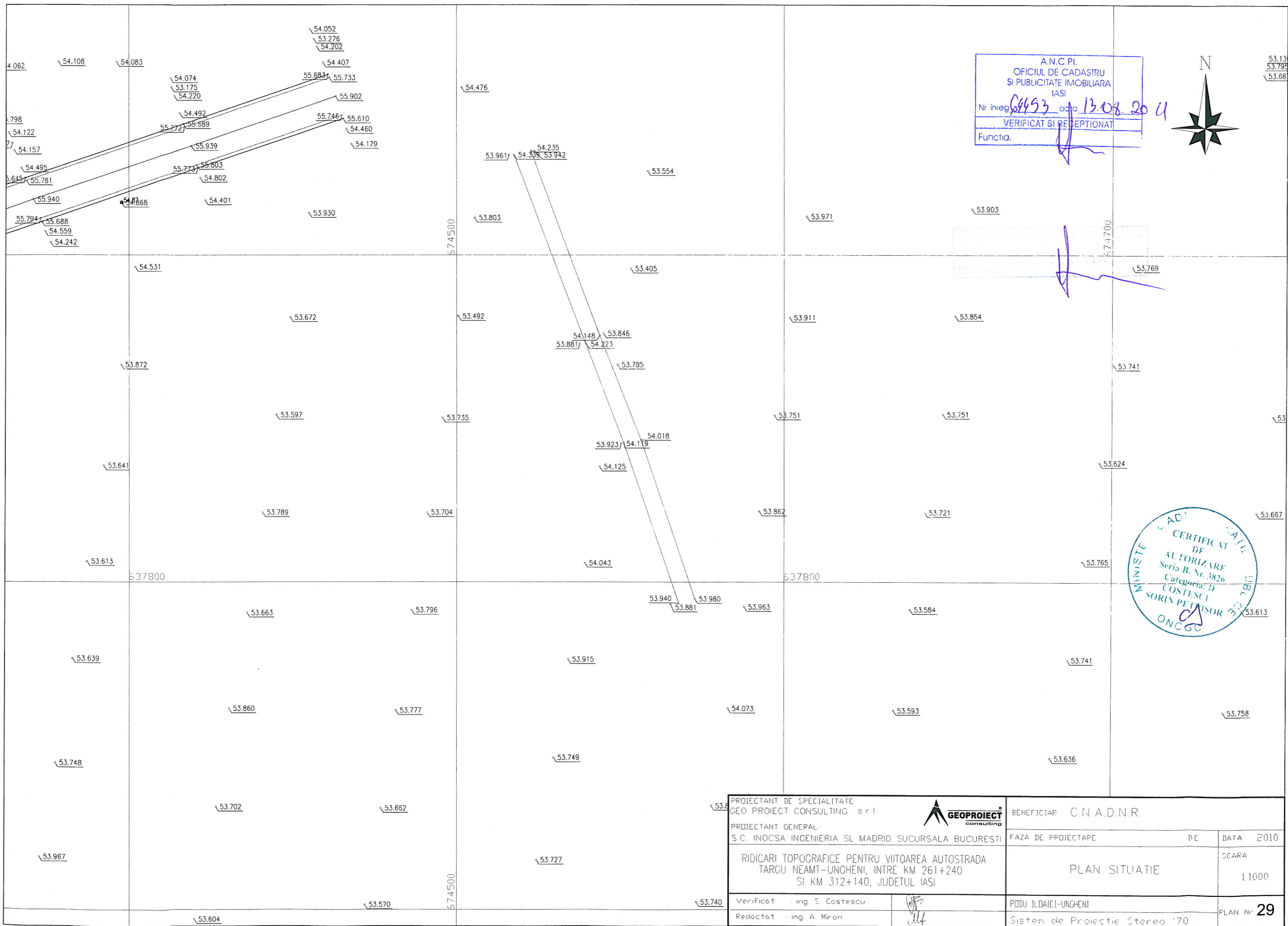
| | | | |
|--|--------------------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Handwritten signature]</i> | PODU ILOATEI-UNGHENI | PLAN Nr. 27 |
| Redactat : ing. A. Miron | <i>[Handwritten signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inregistrare 4200 data 13.08.2017
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERE L ADI
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARCU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 28 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

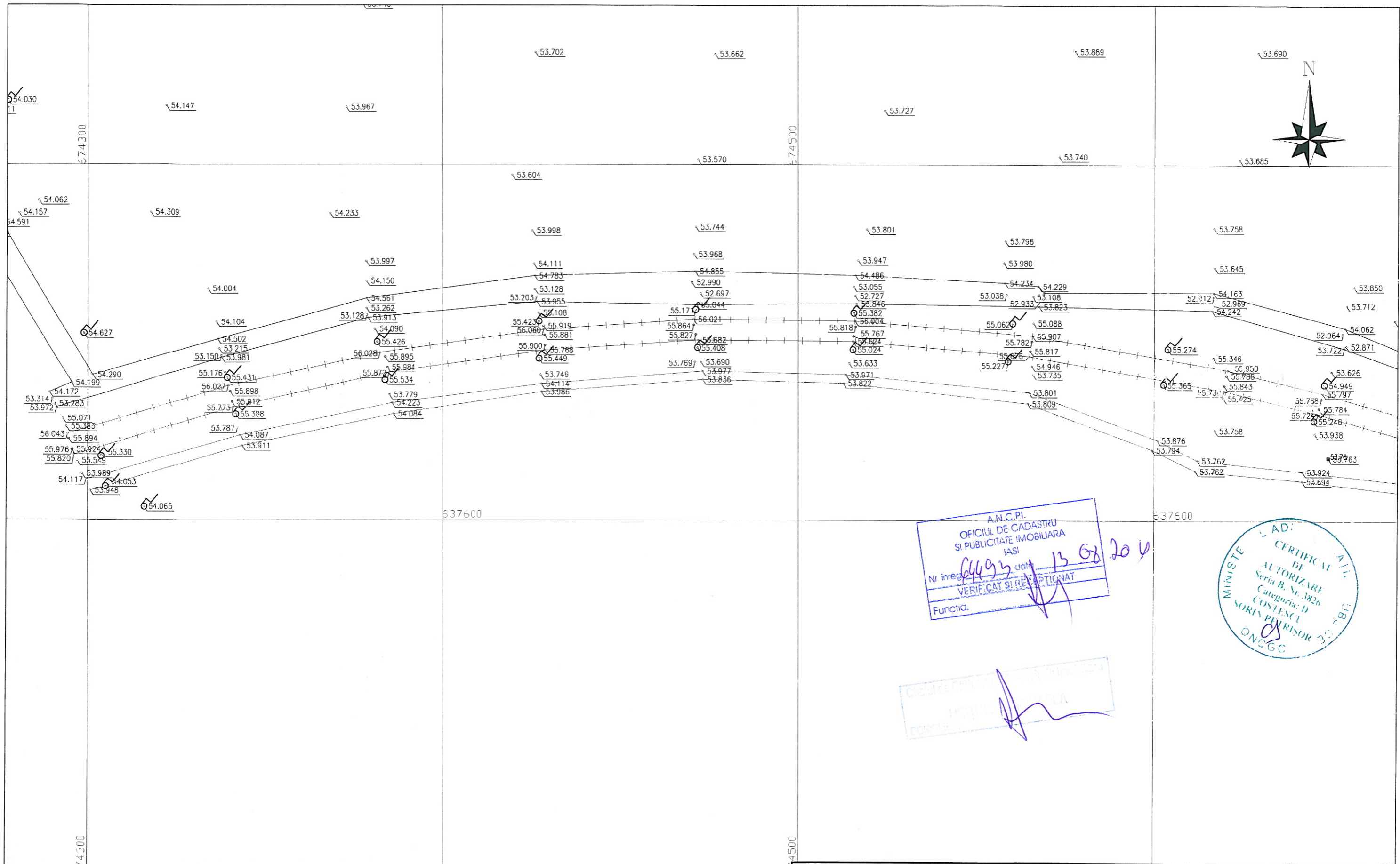


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2011
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 29 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |

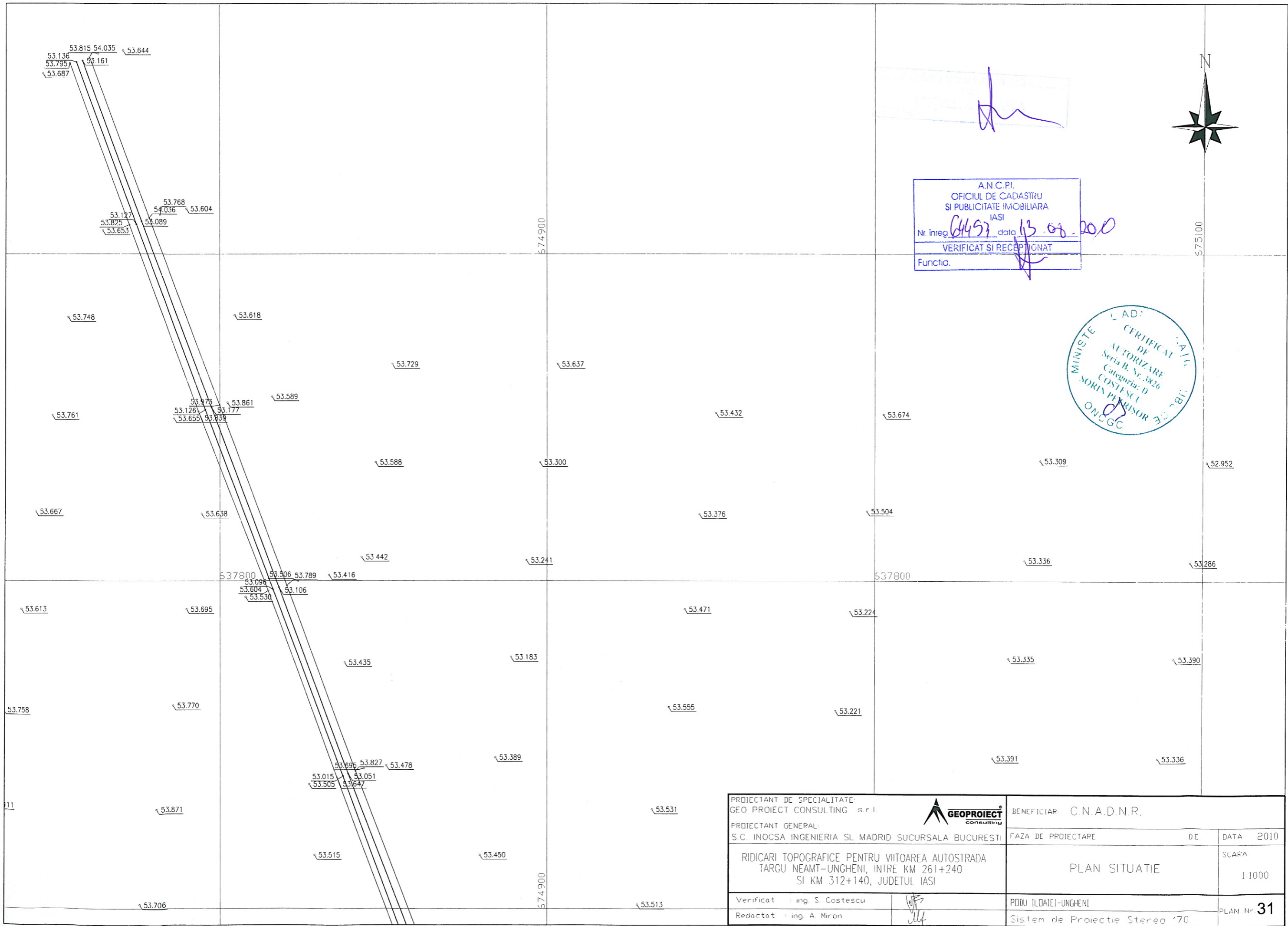


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *6493* data *13 Oct 2014*
 VERIFICAT SI REPARTIONAT
 Functia: *[Signature]*




[Signature]
 CONSULTANT
 PROIECTANT

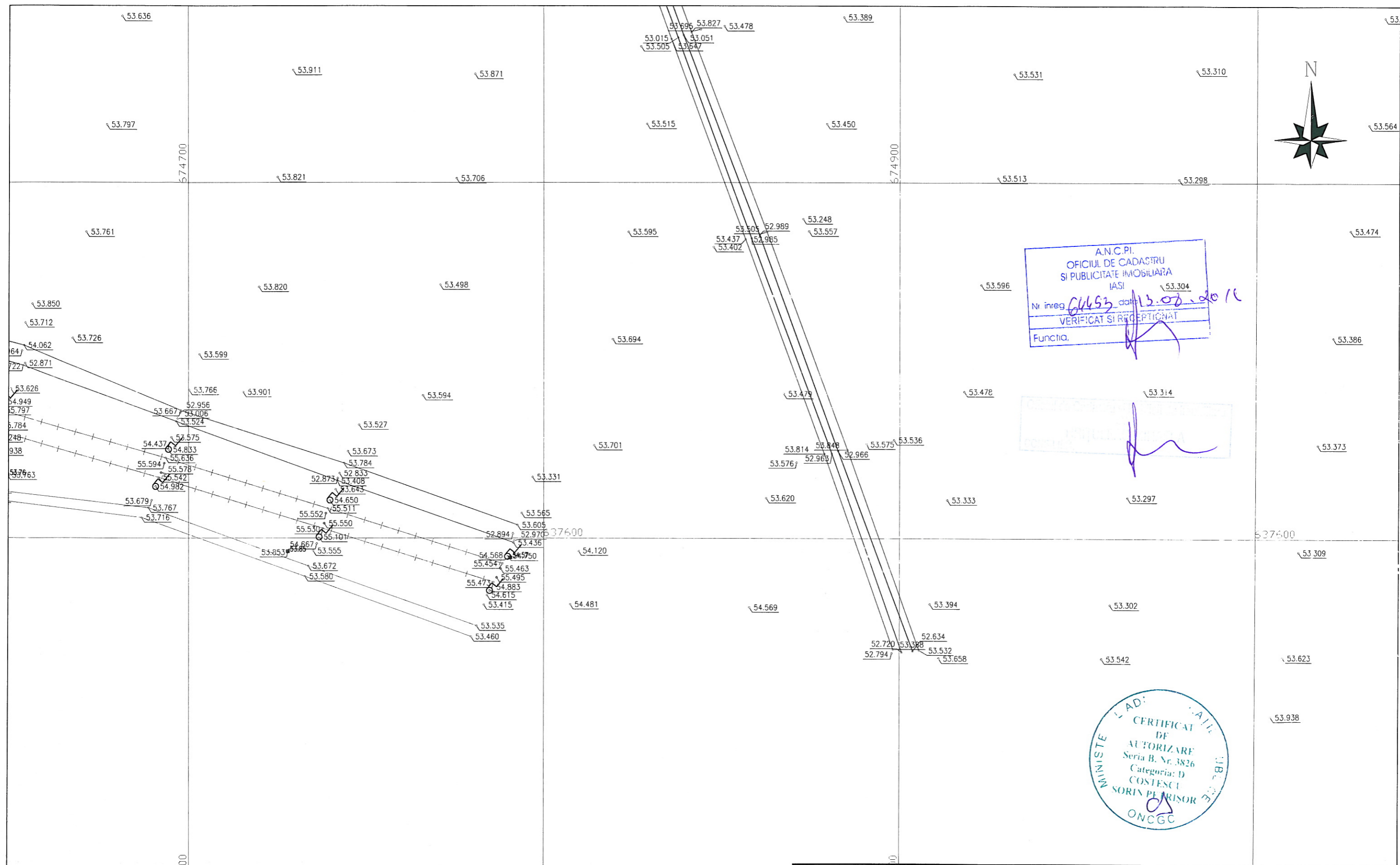
| | | | |
|---|--------------------|--------------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 30 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereografic '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6457 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]



| | | | | |
|--|-------------|---|-------------------------|---------------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | [Signature] | PODU ILDATEI-UNGHENI | | SCARA 1:1000 PLAN Nr. 31 |
| Redactat : ing. A. Miron | [Signature] | Sistem de Proiectie Stereop '70 | | |

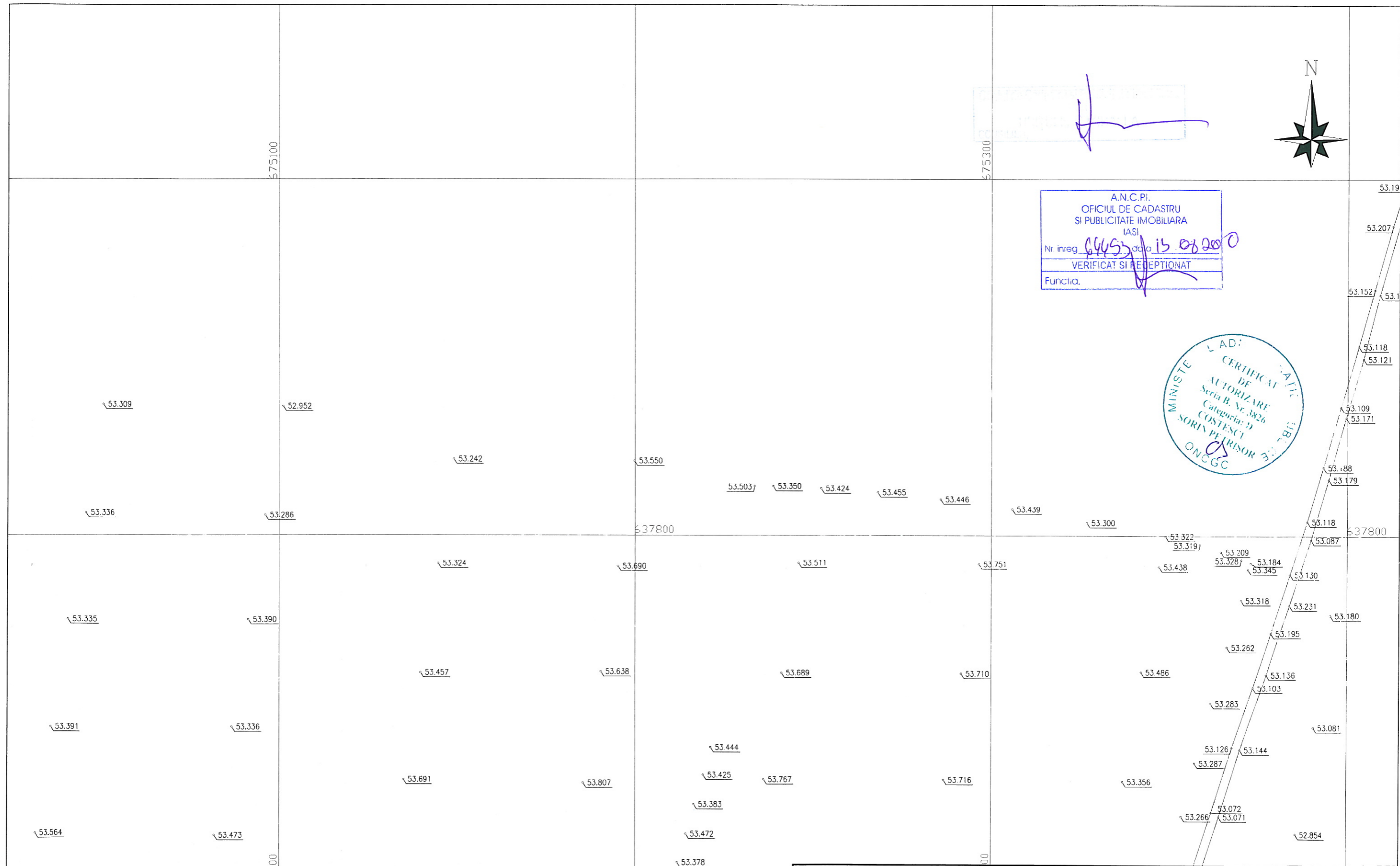


A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg 6453 data 13.08.2016
VERIFICAT SI RECEPTIAT
Funcția.

53.314

MINISTERE L. AD: I. A. I. I. B. E. T. E.
CERTIFICAT
DE
AUTORIZARE
Seria B. Nr. 3826
Categoria: D
COSTESCU
SORIN PE ARISOR
ONCGC

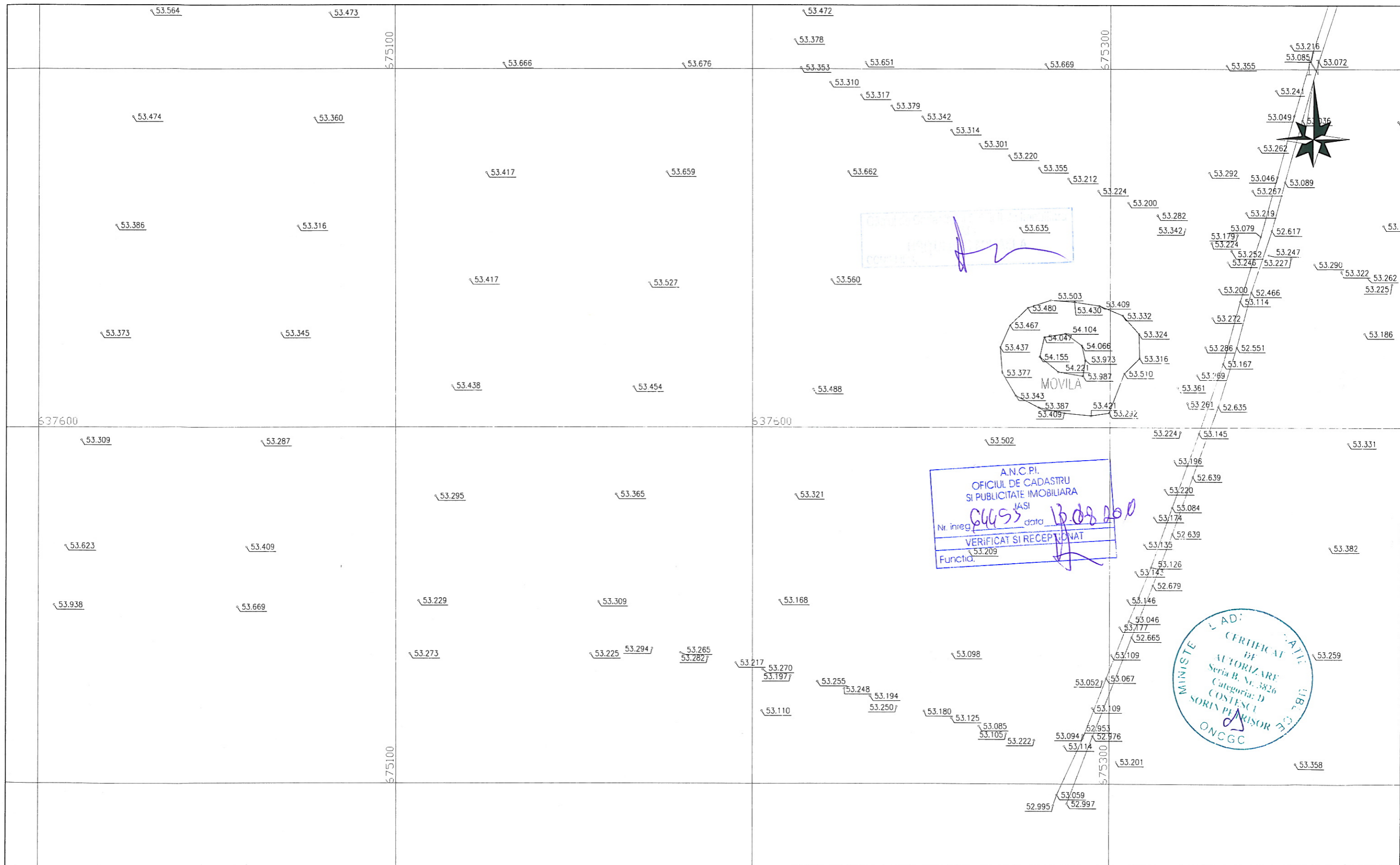
| | | | |
|--|--|--------------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 32 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereografic '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 6453 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]



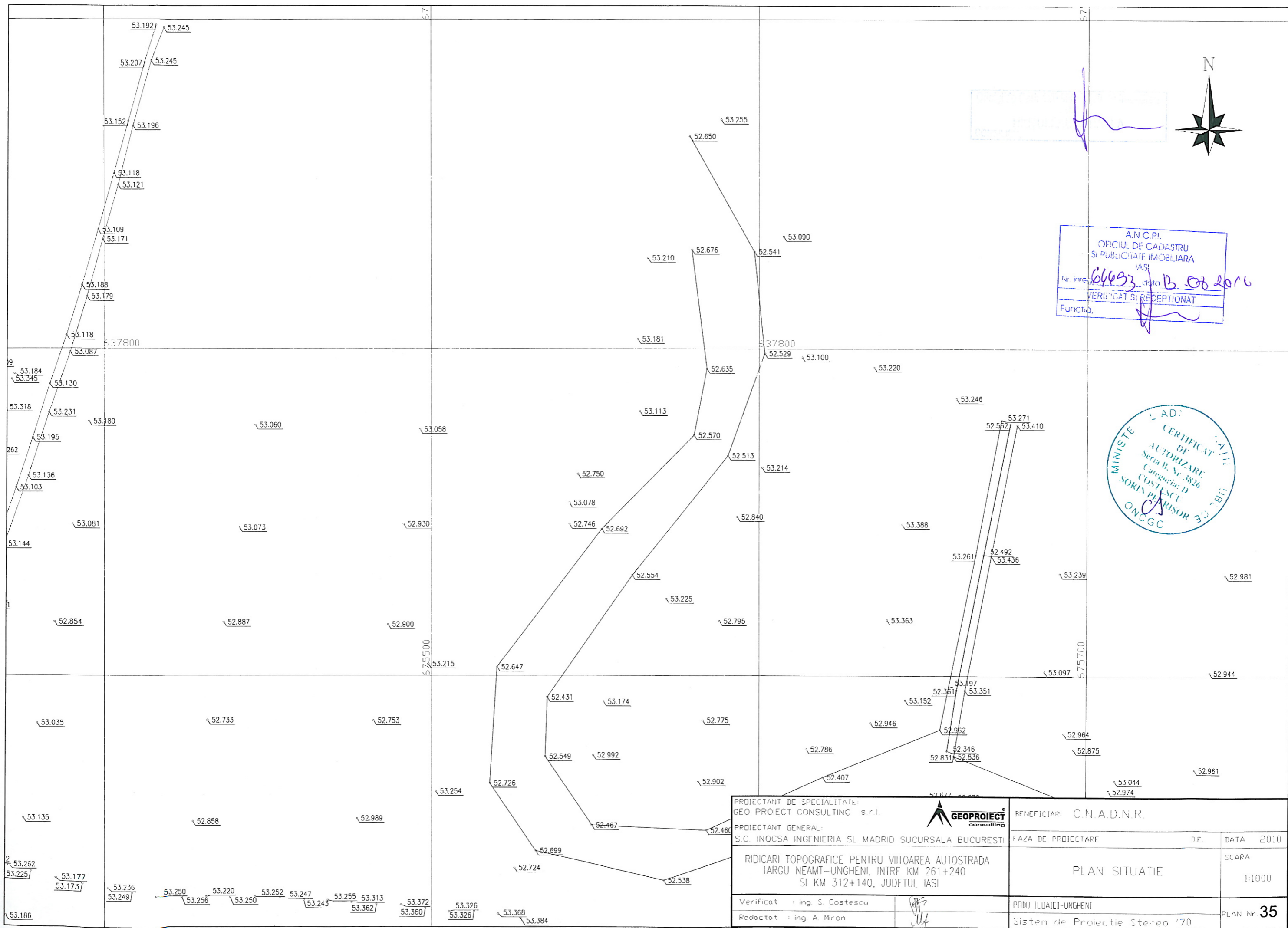
| | | | |
|--|-------------|---------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat de ing. S. Costescu | [Signature] | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat de ing. A. Miron | [Signature] | Sistem de Proiectie Stereoa '70 | PLAN Nr. 33 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64455 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERUL AGRICULTURII SI DEZVOLTURII RURALE
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PENRISOR
 ONCGC

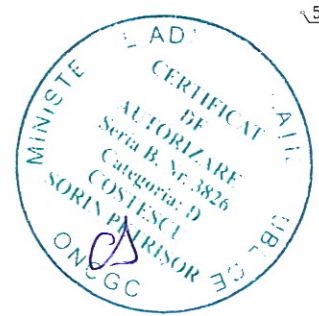
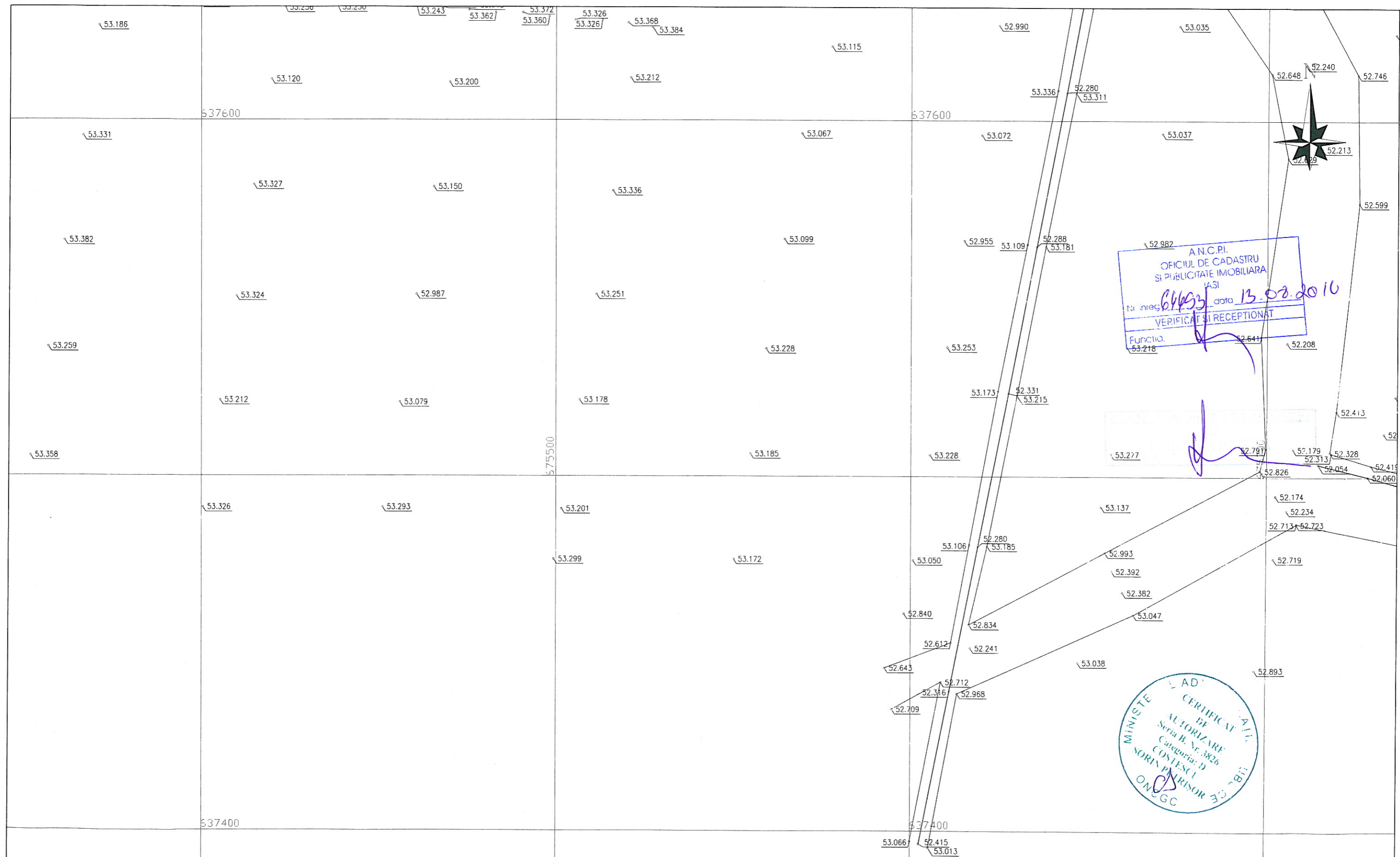
| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 34 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



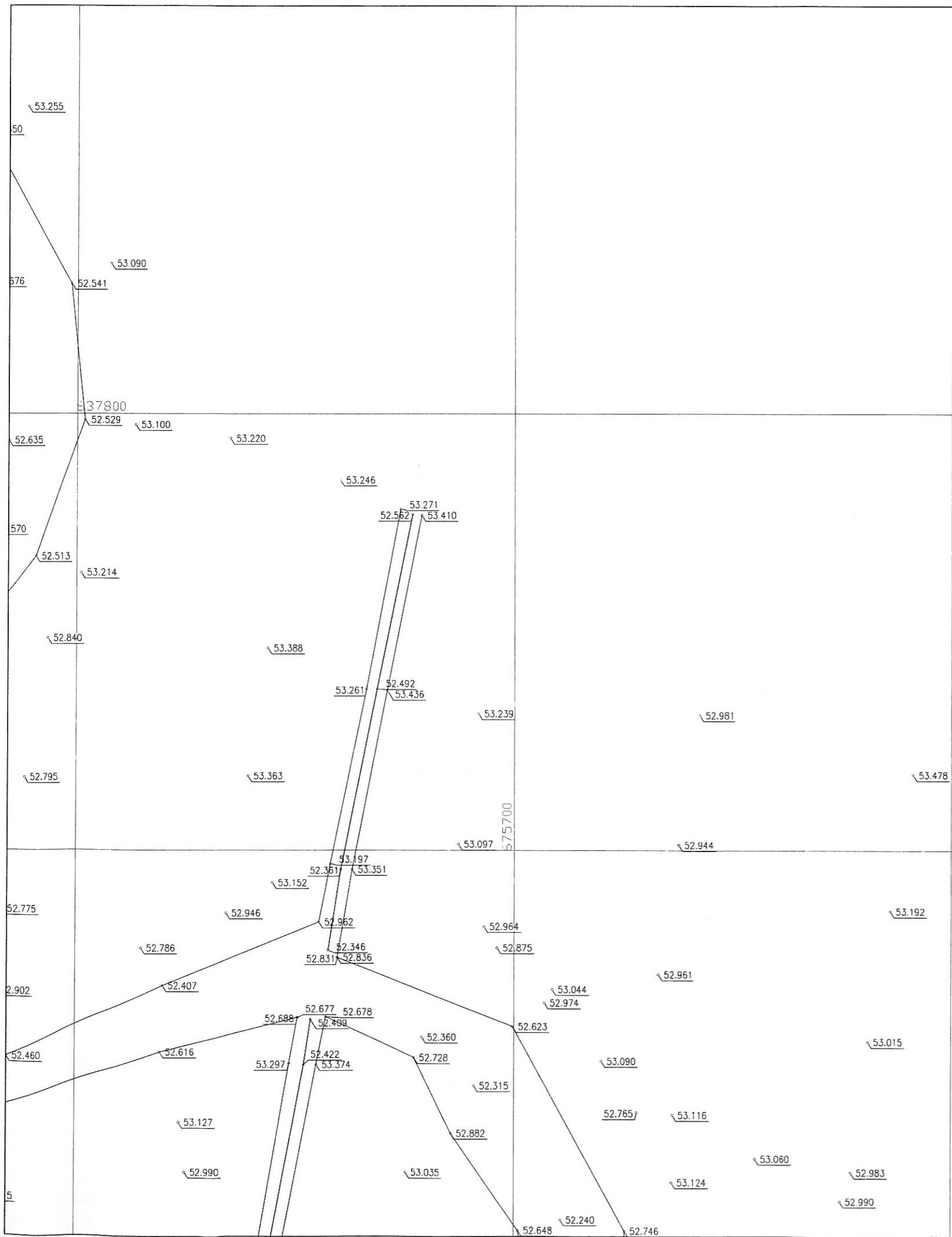
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inregistrare: 64093, data: 13.08.2016
 VERIFICAT SI RECEPTIONAT
 Functie:



| | | | |
|--|--|--------------------------|----|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : ing. S. Costescu | | SCARA 1:1000 | |
| Redactat : ing. A. Miron | | PLAN Nr. 35 | |
| PODU ILDAIEI-UNGHENI Sistem de Proiectie Stereo '70 | | | |




| | | | |
|--|------------------|--|-------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE SCARA 1:1000 | |
| Verificat : | ing. S. Costescu | PODU ILDAIEI-UNGHENI Sistem de Proiectie Stereo '70 | PLAN Nr 36 |
| Redactat : | ing. A. Miron | | |

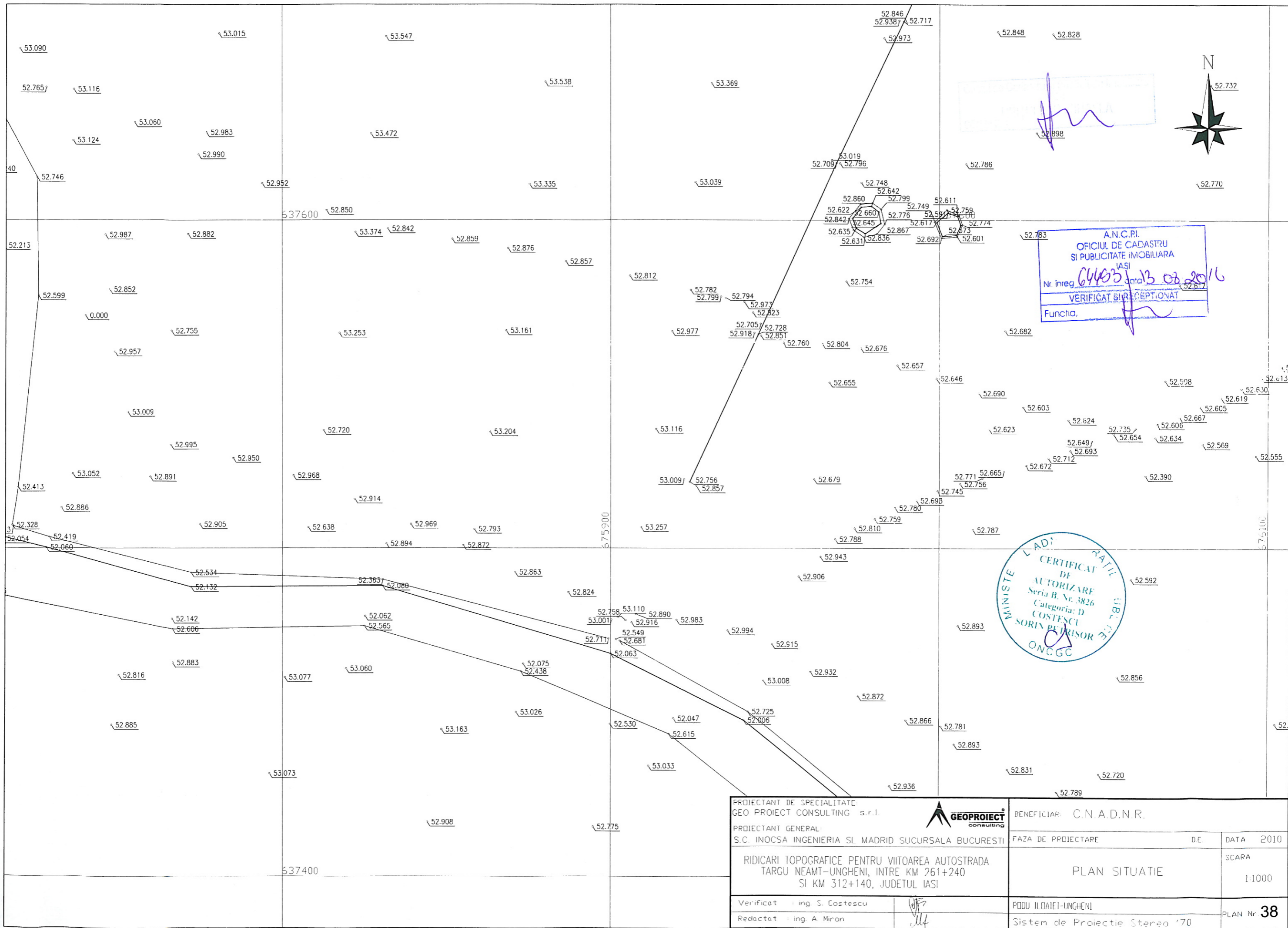


[Handwritten signature in blue ink]

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr. înreg. *4493*, data *13.08.2019*
VERIFICAT SI RECEPTIONAT
Functia, *[Signature]*



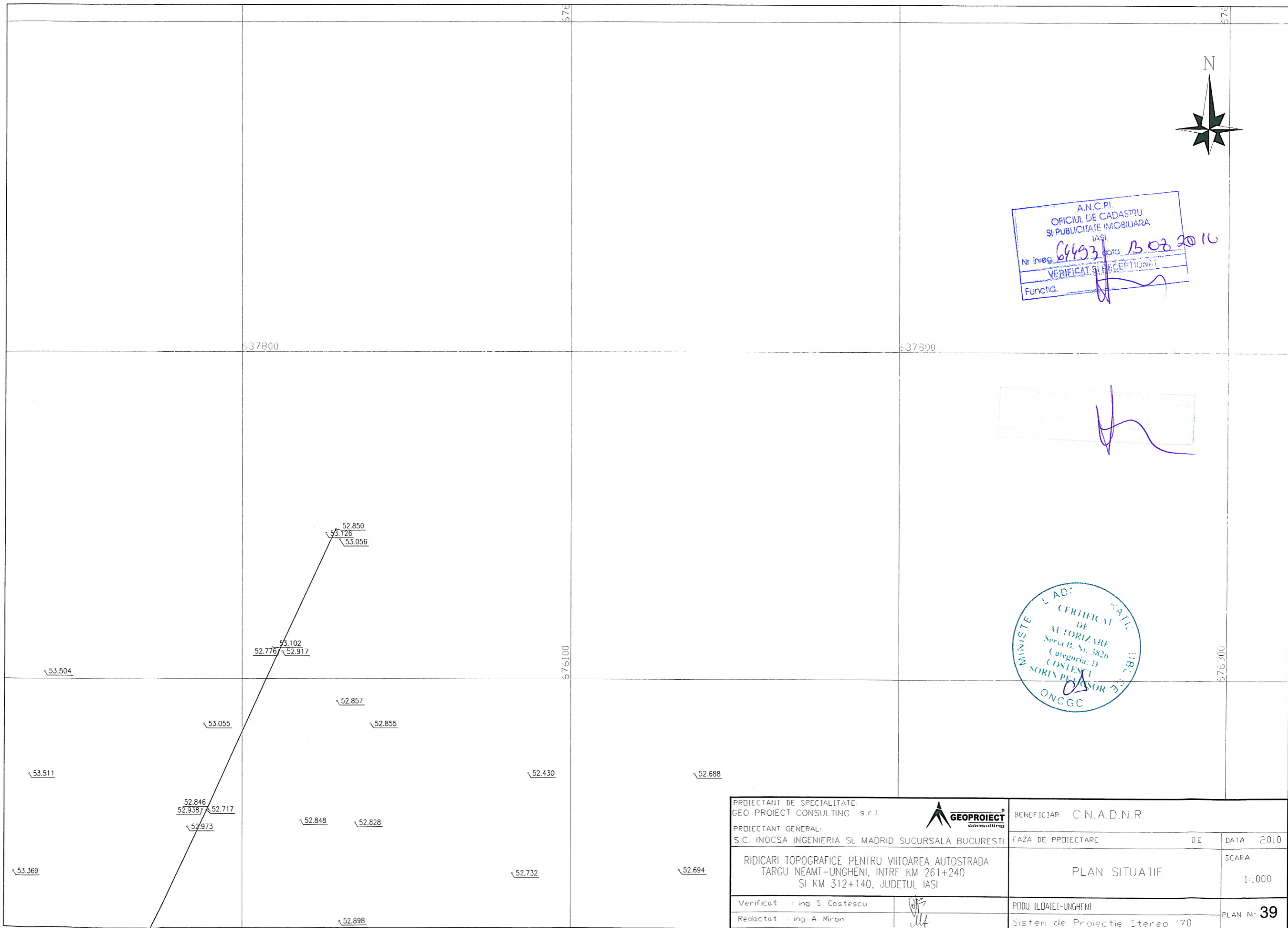
| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l.  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE: DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : Ing. S. Costescu | <i>[Signature]</i> | SCARA 1:1000 | |
| Redactat : Ing. A. Miron | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 37 |
| | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6443 data 13.03.2016
 VERIFICAT SI RECEPTONAT
 Functia. [Signature]

MINISTERUL AGRICULTURII SI PADURILOR
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PETRISOR
 ONCGG

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | SCARA 1:1000 | |
| Redactat : ing. A. Miron | <u>[Signature]</u> | PODU ILOAIEI-UNGHENI | PLAN Nr. 38 |
| | | Sistem de Proiectie Stereo '70 | |

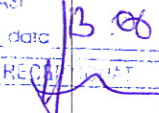


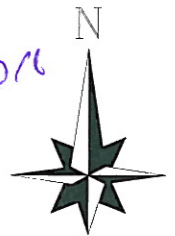
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIUNAT
 Functia:

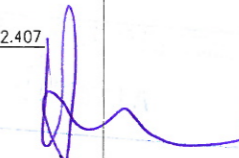
[Handwritten signature]

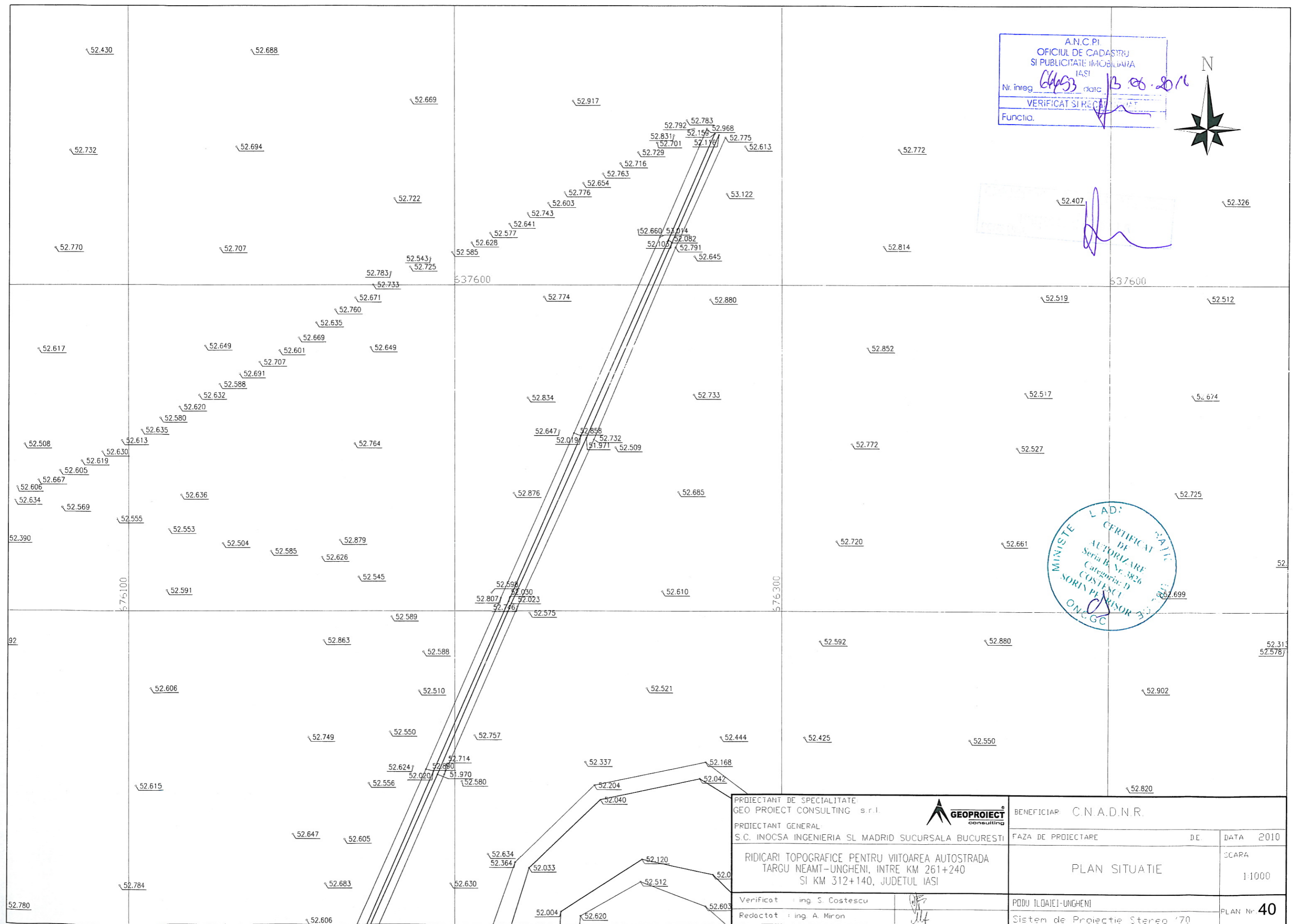
MINISTERUL ADI
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELEASOR
 ONCGC




| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | PLAN Nr. 39 |

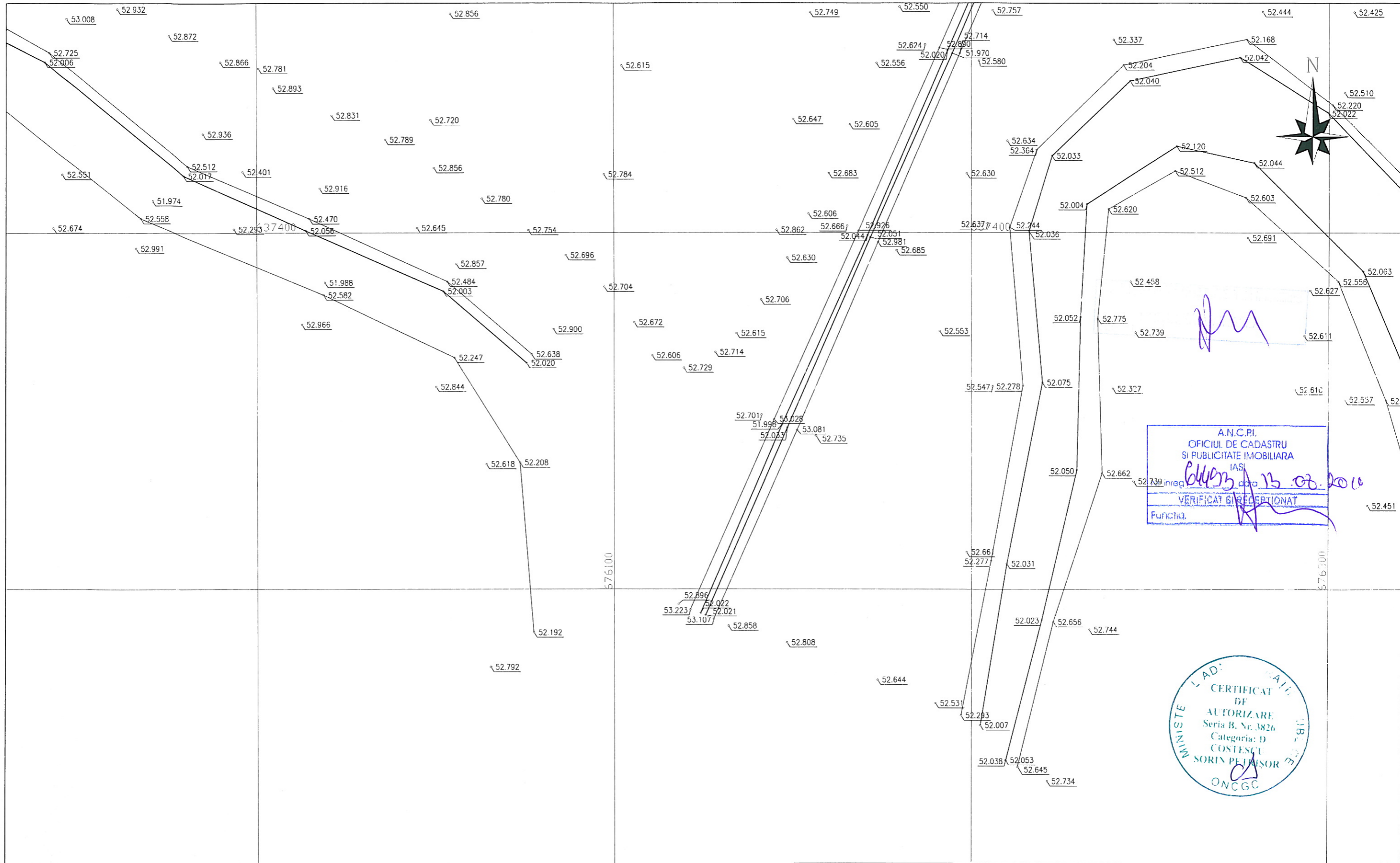
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.06.2016
 VERIFICAT SI RECDAT
 Functia. 




 52.407



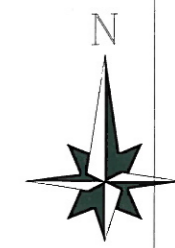
| | | | |
|--|--|--------------------------|--------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l.  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA | 2010 |
| Verificat : ing. S. Costescu  Redactat : ing. A. Miron  | | SCARA | 1:1000 |
| PODU ILDAIEI-UNGHENI Sistem de Proiectie Stereo '70 | | PLAN Nr. | 40 |



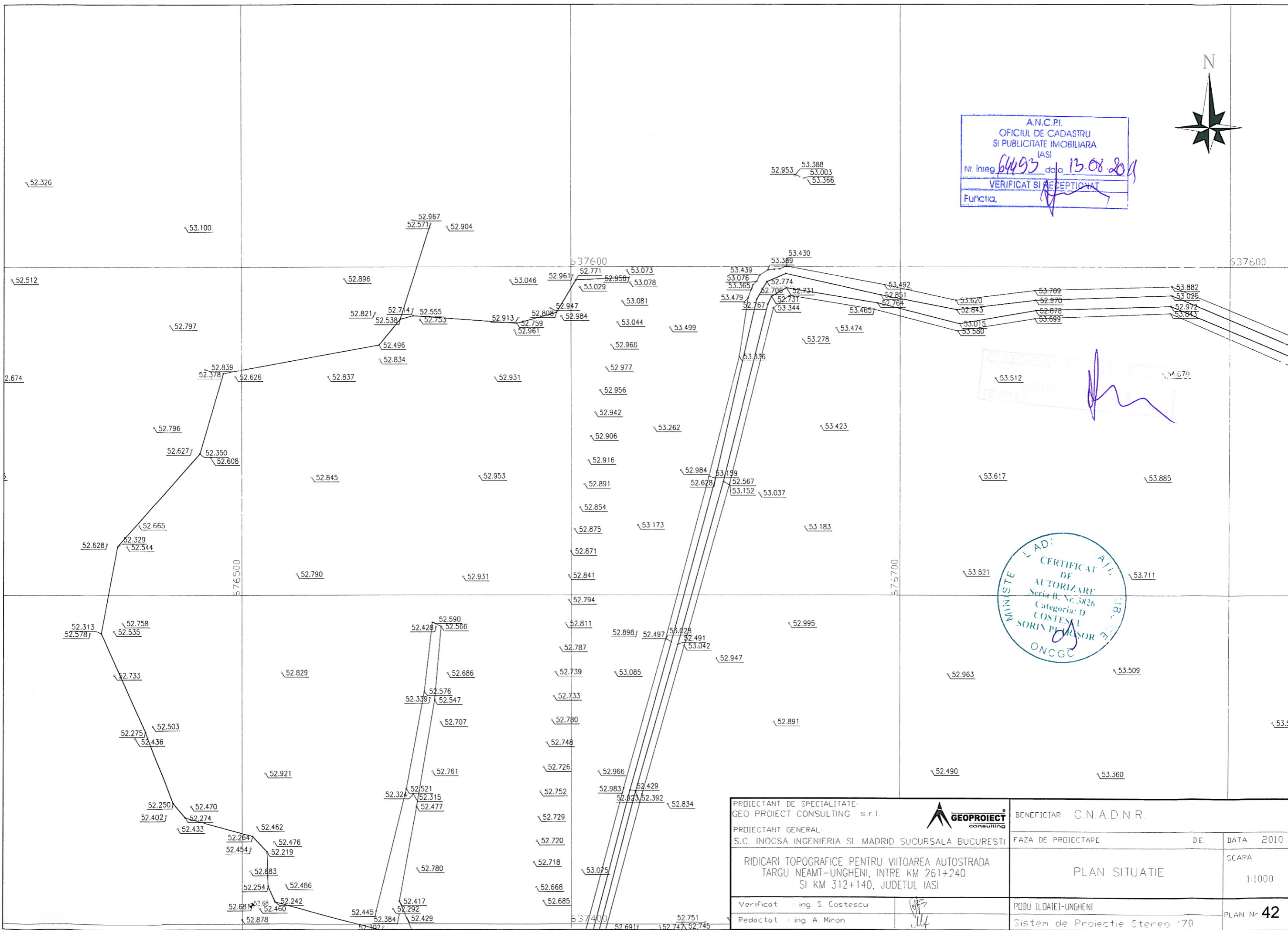
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
Blaga 13.08.2016
 VERIFICAT SI RECEPTIAT
 Functia:



| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | PLAN Nr. 41 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



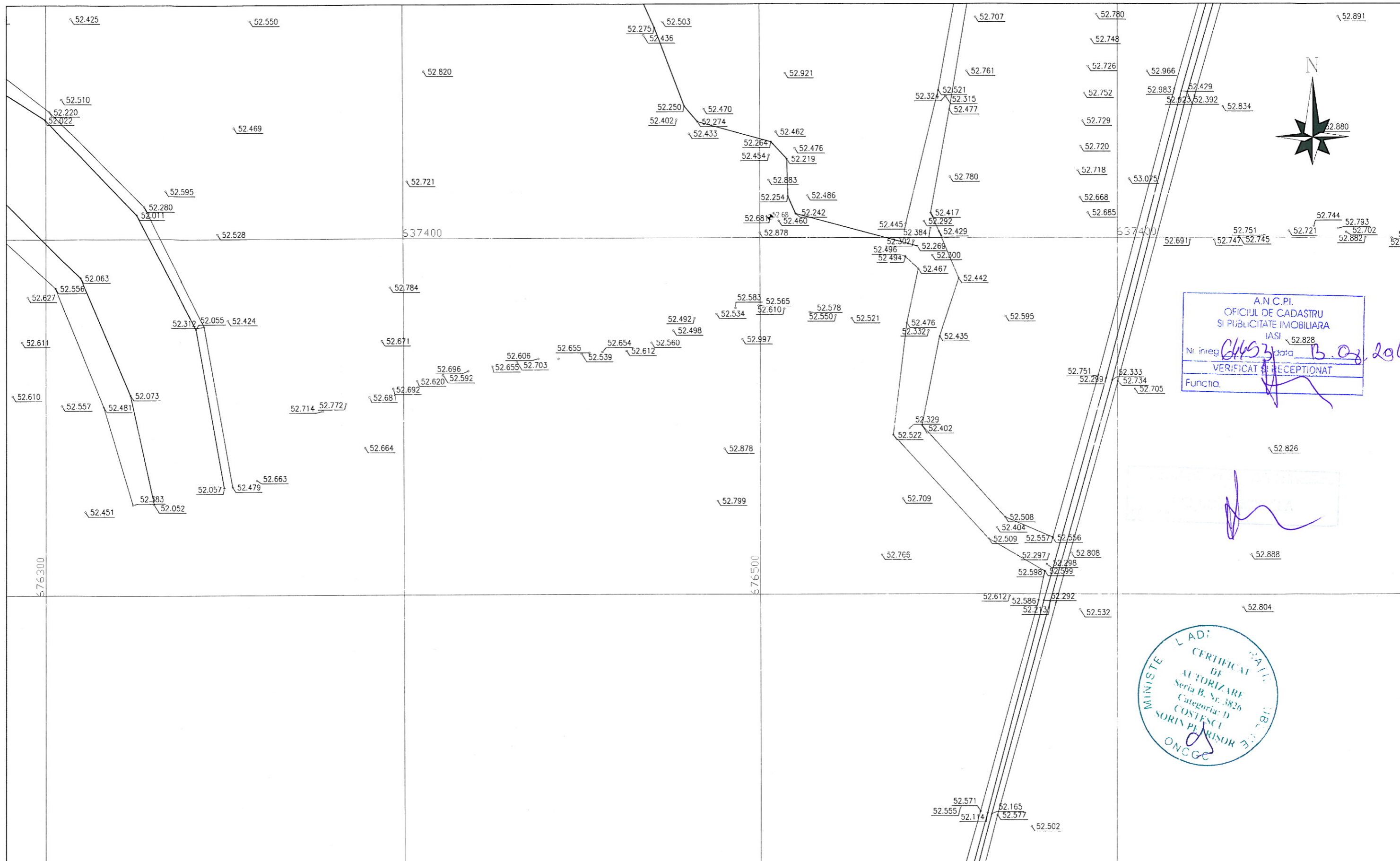
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. Inreg. 64493 data 13.08.2011
 VERIFICAT SI RECEPTIAT
 Functia. *[Signature]*



[Faint stamp and signature]

MINISTERE L. AD. A.I.
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria D
 COSTESCU
 SORIN PERSOR
 ONCGC

| | |
|--|------------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | BENEFICIAR: C.N.A.D.N.R. |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | FAZA DE PROIECTARE: DE. DATA: 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | PLAN SITUATIE SCAPA 1:1000 |
| Verificat: Ing. S. Costescu | PODU ILODAIEI-UNGHENI |
| Redactat: Ing. A. Miron | Sistem de Proiectie Stereoa '70 |
| | PLAN Nr. 42 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6493 data 13.02.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

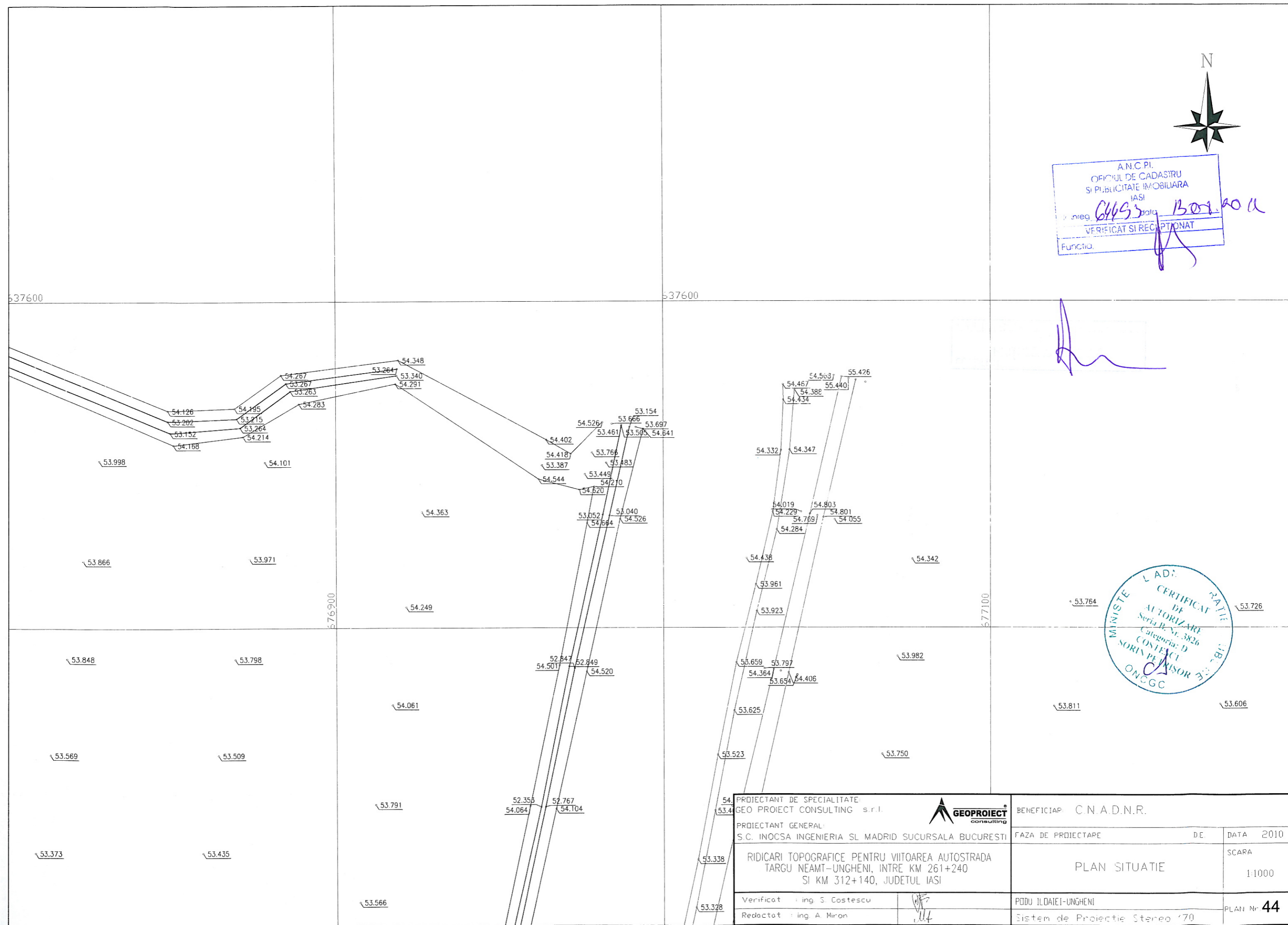
[Signature]

MINISTERUL ADI
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARISOR
 ONCGC

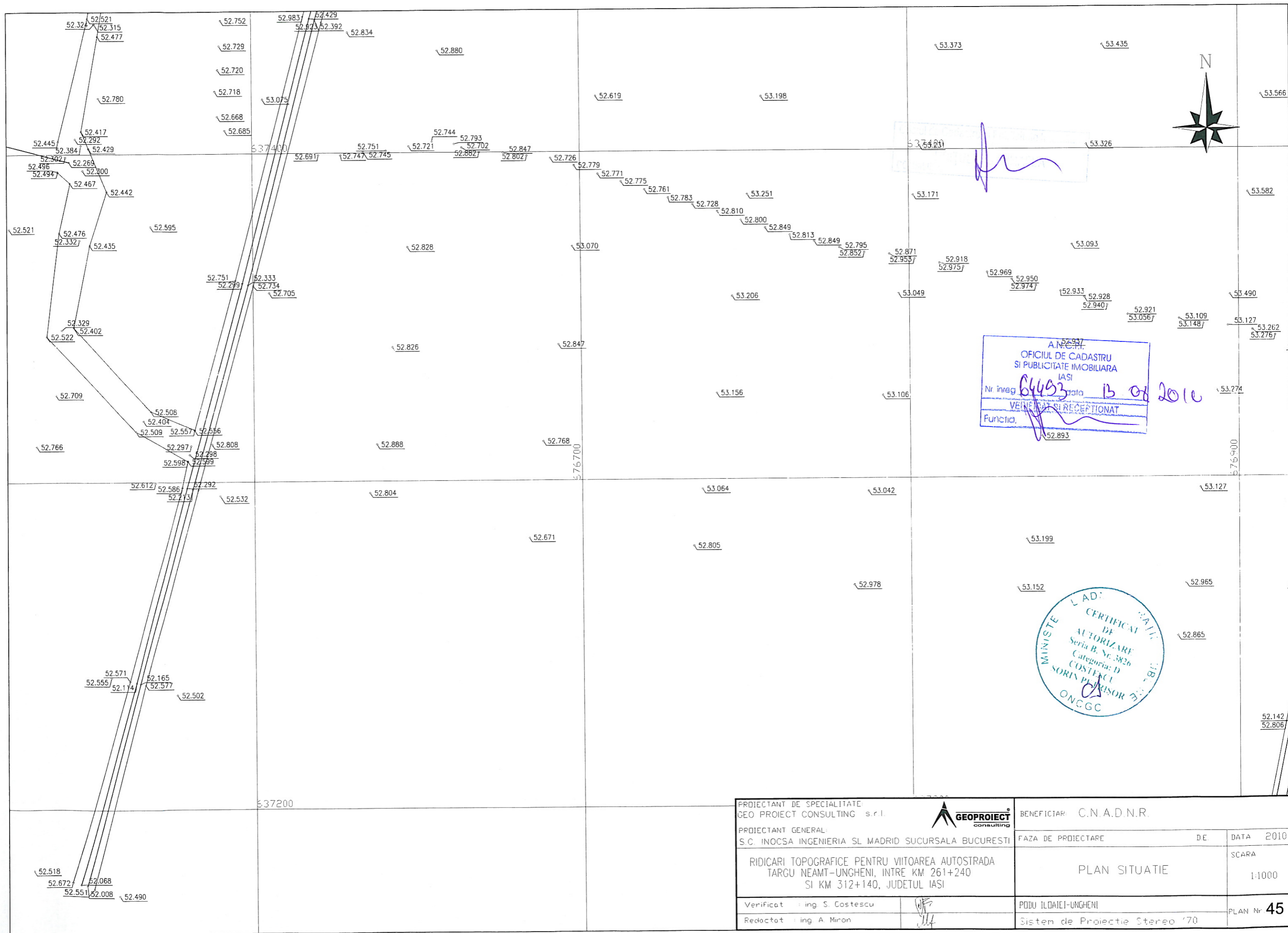
| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | PLAN Nr 43 |
| Redactat : ing A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |



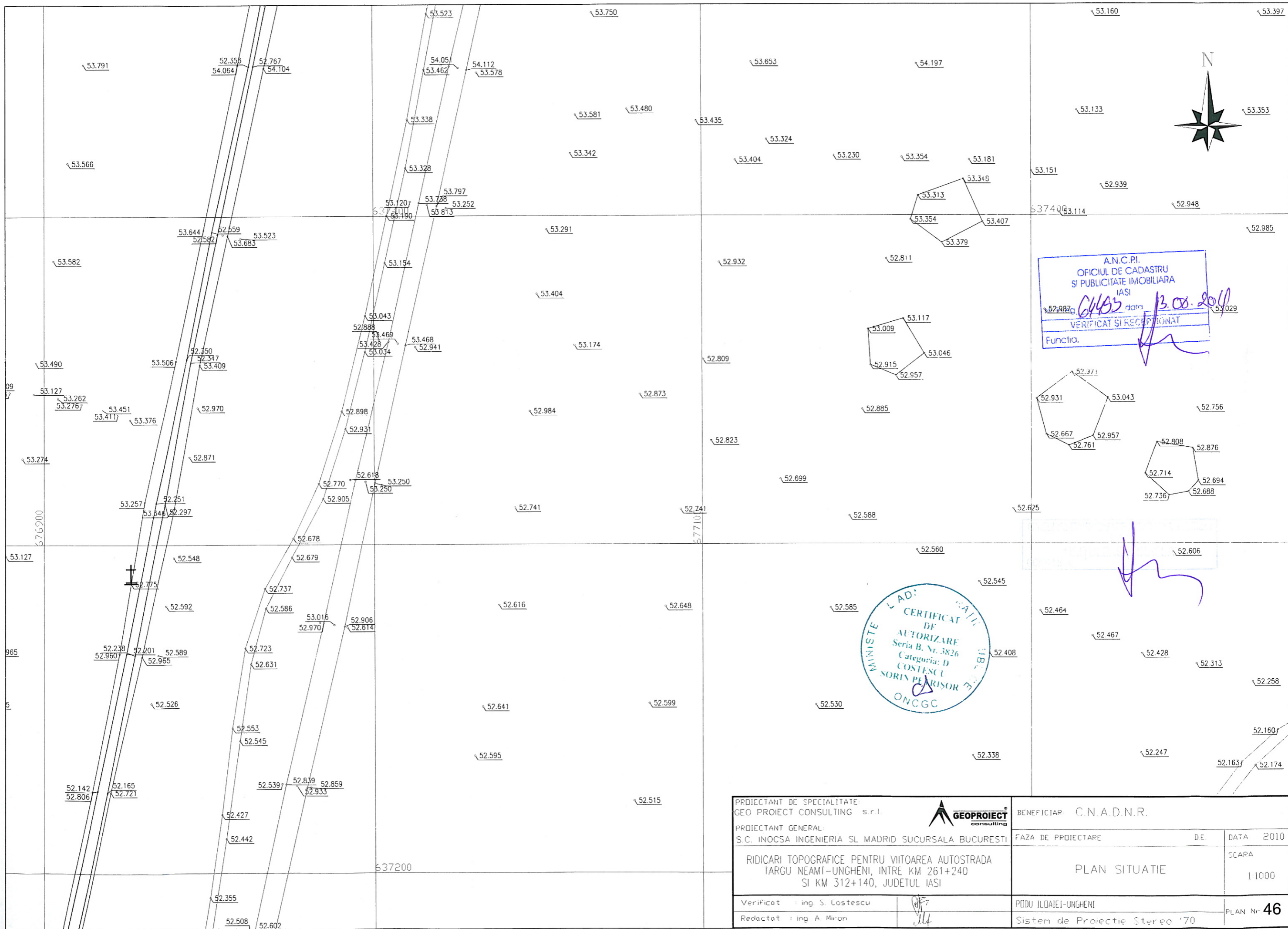
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Inreg. 6493 data 13.02.2011
 VERIFICAT SI RECEPTIONAT
 Functia: [Signature]



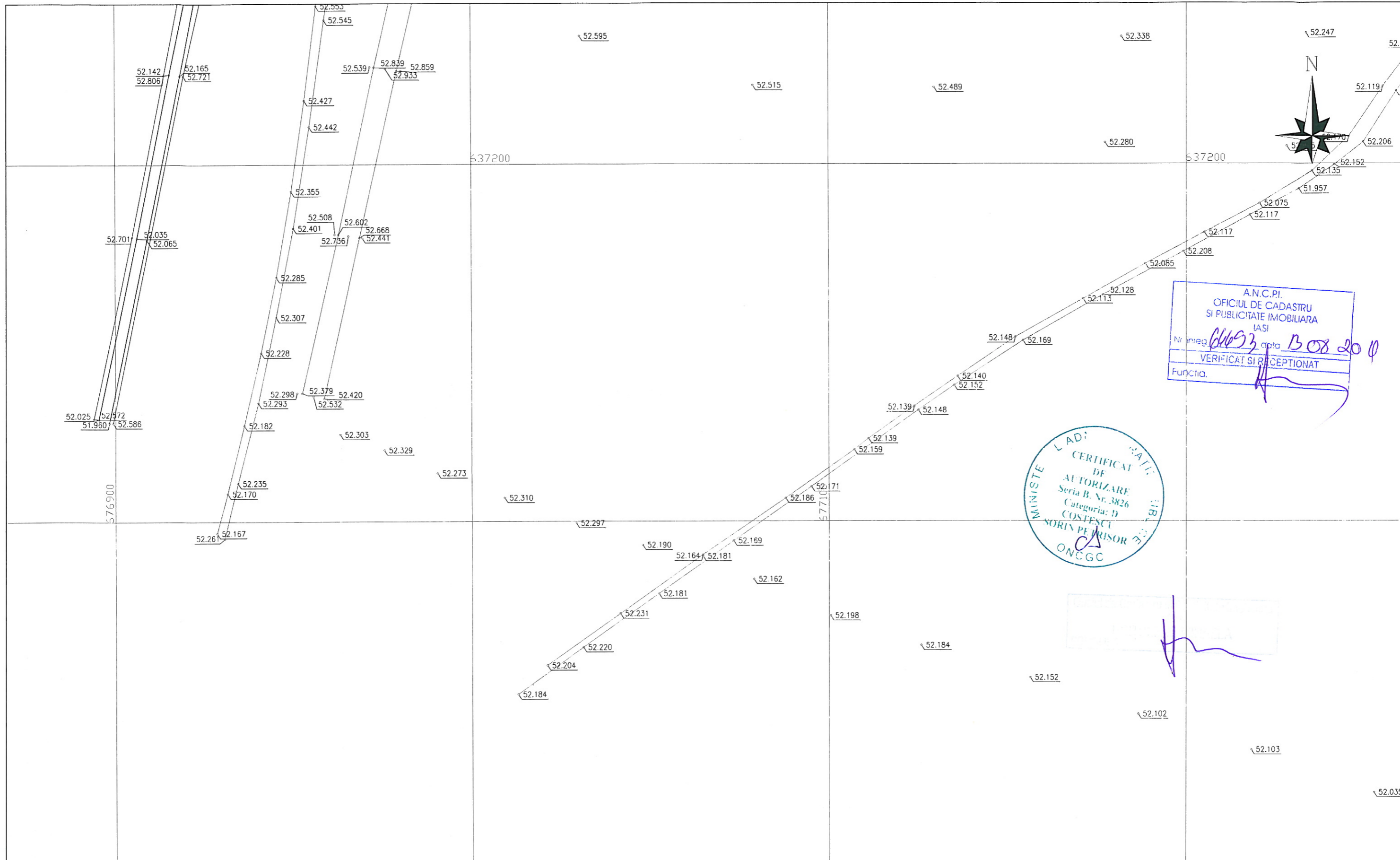
| | | | |
|--|-------------|--------------------------------|--------------|
| 54. PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| 53.4. RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | [Signature] | PODU ILDATEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | PLAN Nr. 44 |



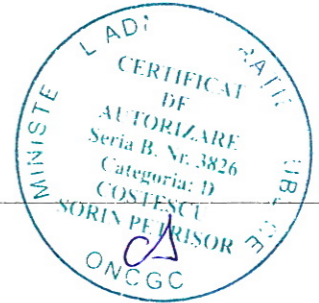
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 45 |




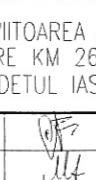
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 46 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

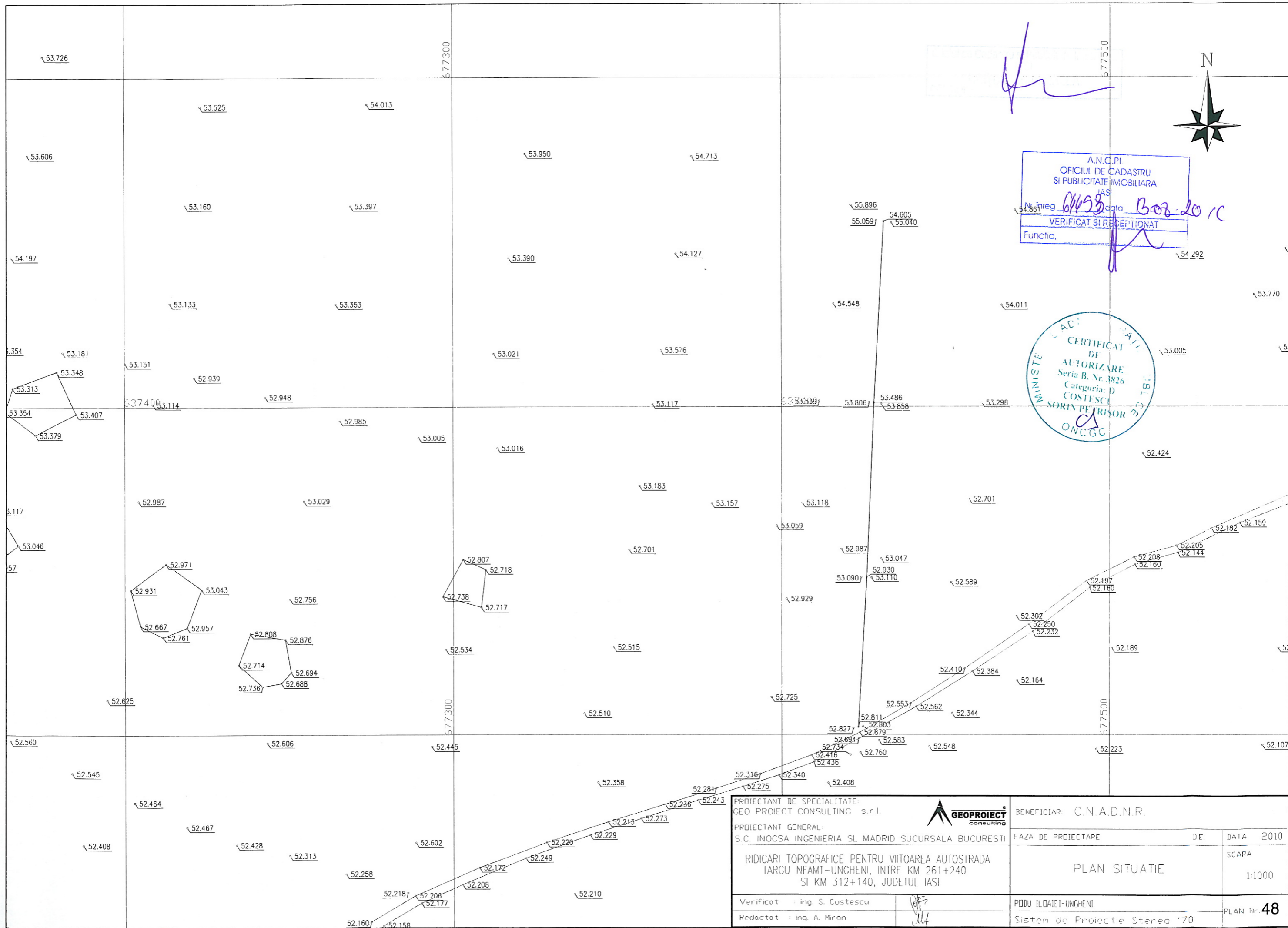


A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr. inreg. *64693* data *13.08.2010*
VERIFICAT SI RECEPTIONAT
Funcția. *[Signature]*



[Signature]

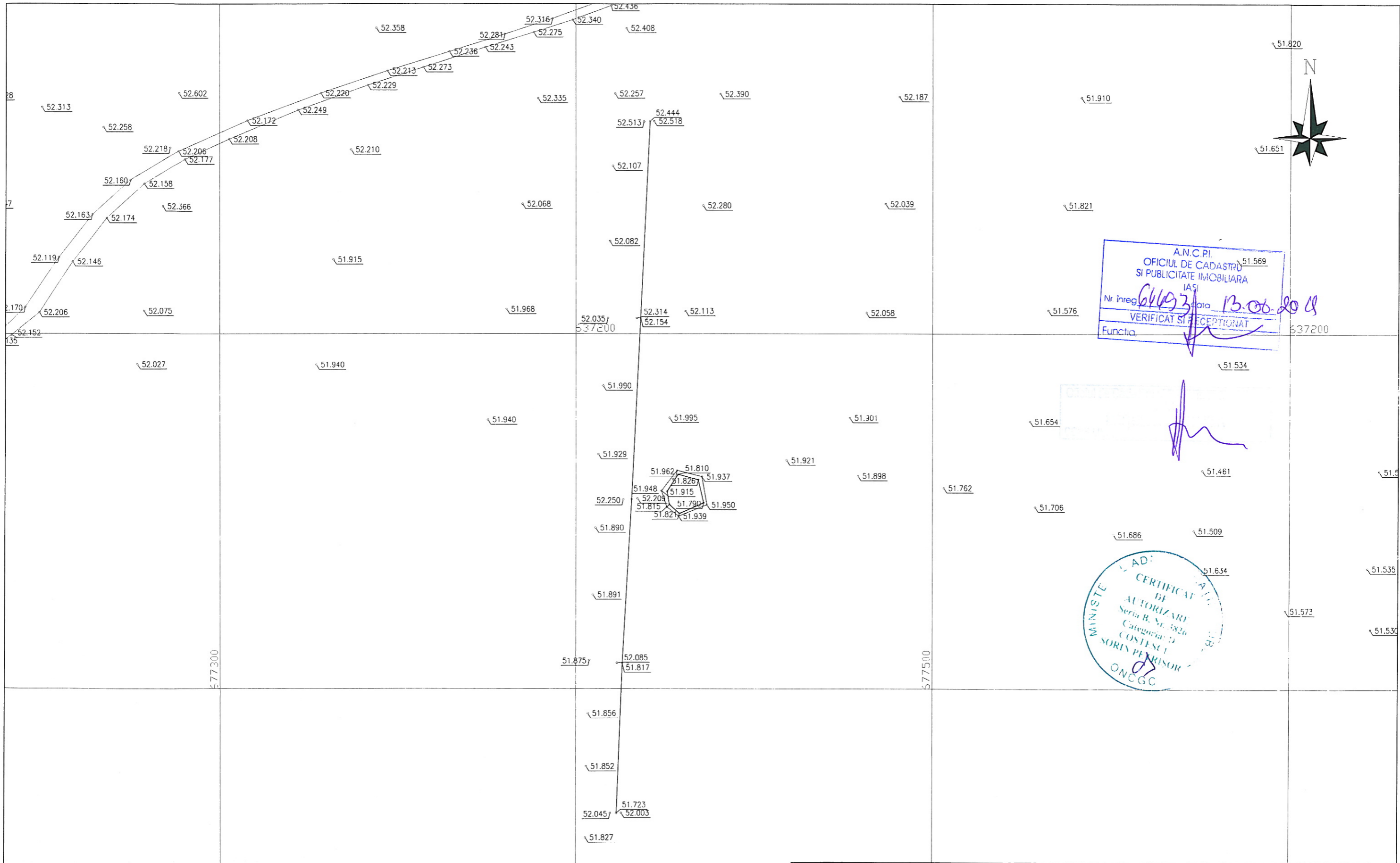
| | | | | | |
|--|------------------|---|--------------------------------|--------------------------|--------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | | PLAN SITUATIE | |
| Verificat | Ing. S. Costescu |  | PODU ILDAIEI-UNGHENI | | SCARA 1:1000 PLAN Nr. 47 |
| Redactat | Ing. A. Miron | | Sistem de Proiectie Stereo '70 | | |



A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Verificat si receptionat
data 2010-10-10
Functia.

CERTIFICAT
DE
AUTORIZARE
Seria B, Nr. 3826
Categorie: D
COSTESCU
SORIN PETRISOR
ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | DATA 2010 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | SCARA 1:1000 |
| | | | PLAN Nr. 48 |

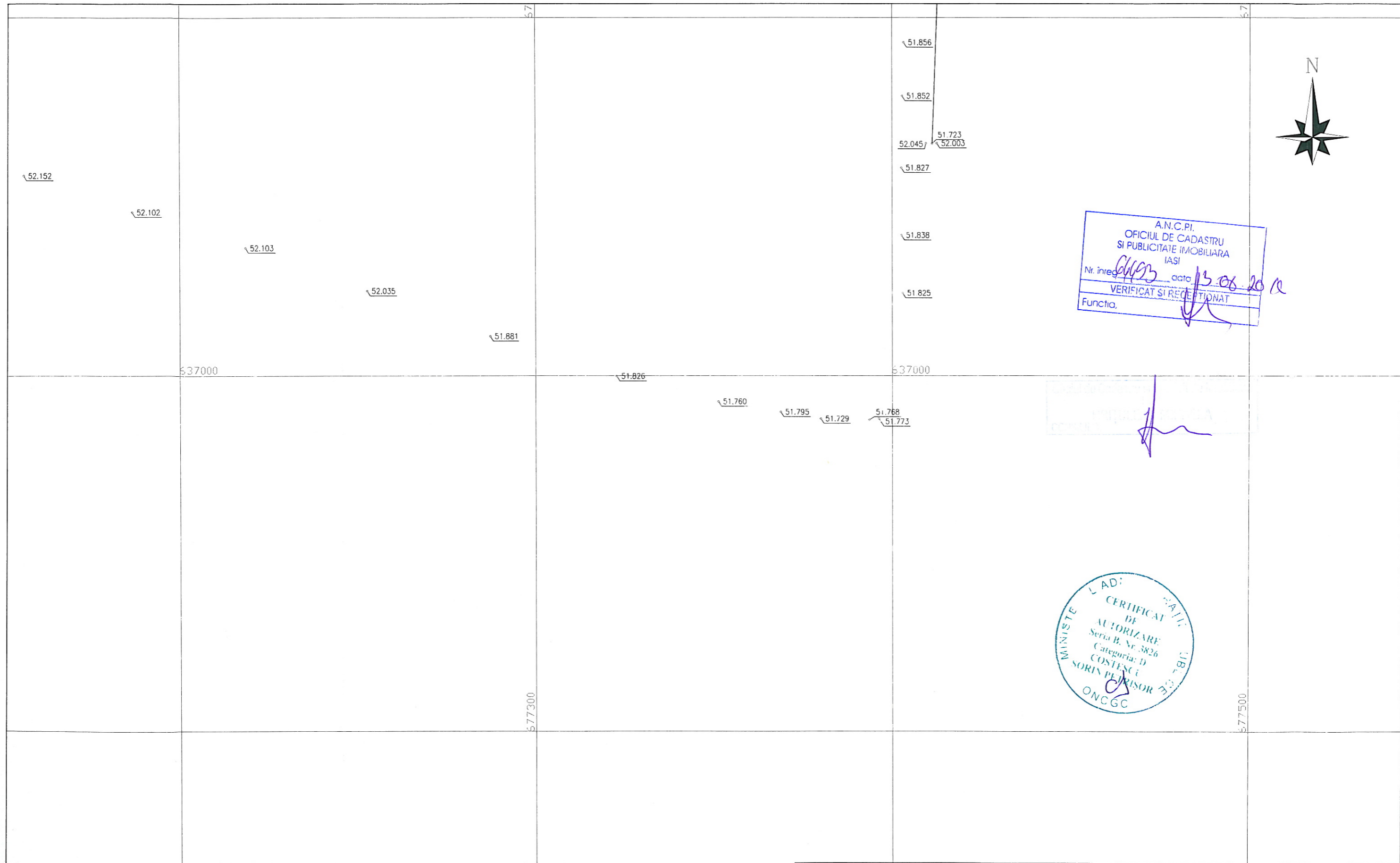


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. *61493* data *13.06.2011*
 VERIFICAT SI RECEPTIAT
 Functia: *[Signature]*

[Faint rectangular stamp]

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 1826
 Categoria 2
 COSTESCU
 SORIN PEETRISOR
 ONCGC

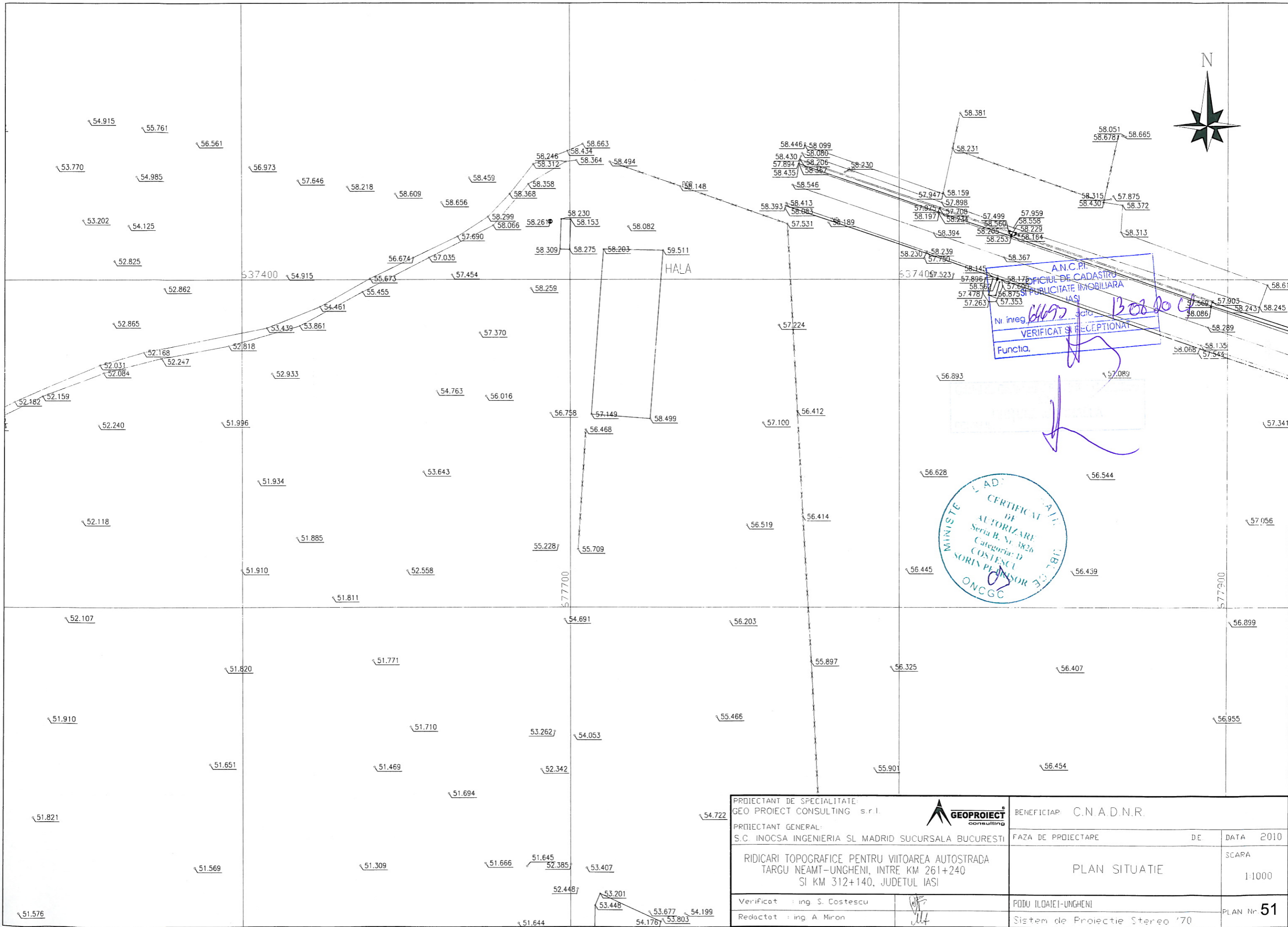
| | | | |
|--|--------------------|--------------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 49 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereografic '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. 4493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

MINISTERUL AGRICULTURII
 SI SILVICULTURII
 SI PISCICULTURII
 SI APICULTURII
 SI IRIELOR
 SI ALTE ACTIVITATI
 CONECTATE
 L AD: [Signature]
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEDRISOR
 ONCGC

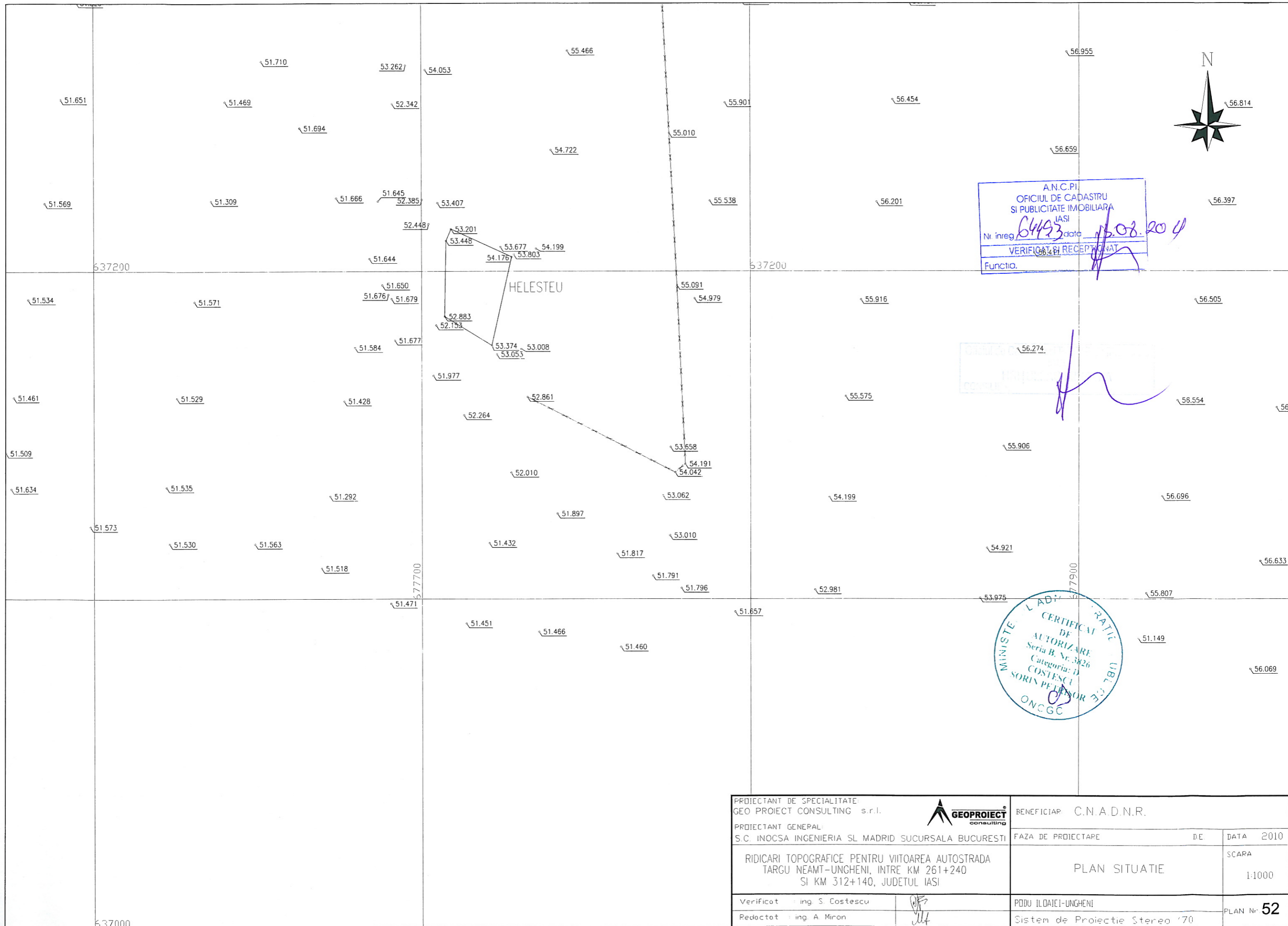
| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PODU ILOAIEI-UNGHENI | PLAN Nr. 50 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.
 OFICIUL DE CADASTRU
 PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64693 data 13.02.2014
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERUL
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 1826
 Categoria: D
 COSTESCU
 SORIN P. INZOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 51 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

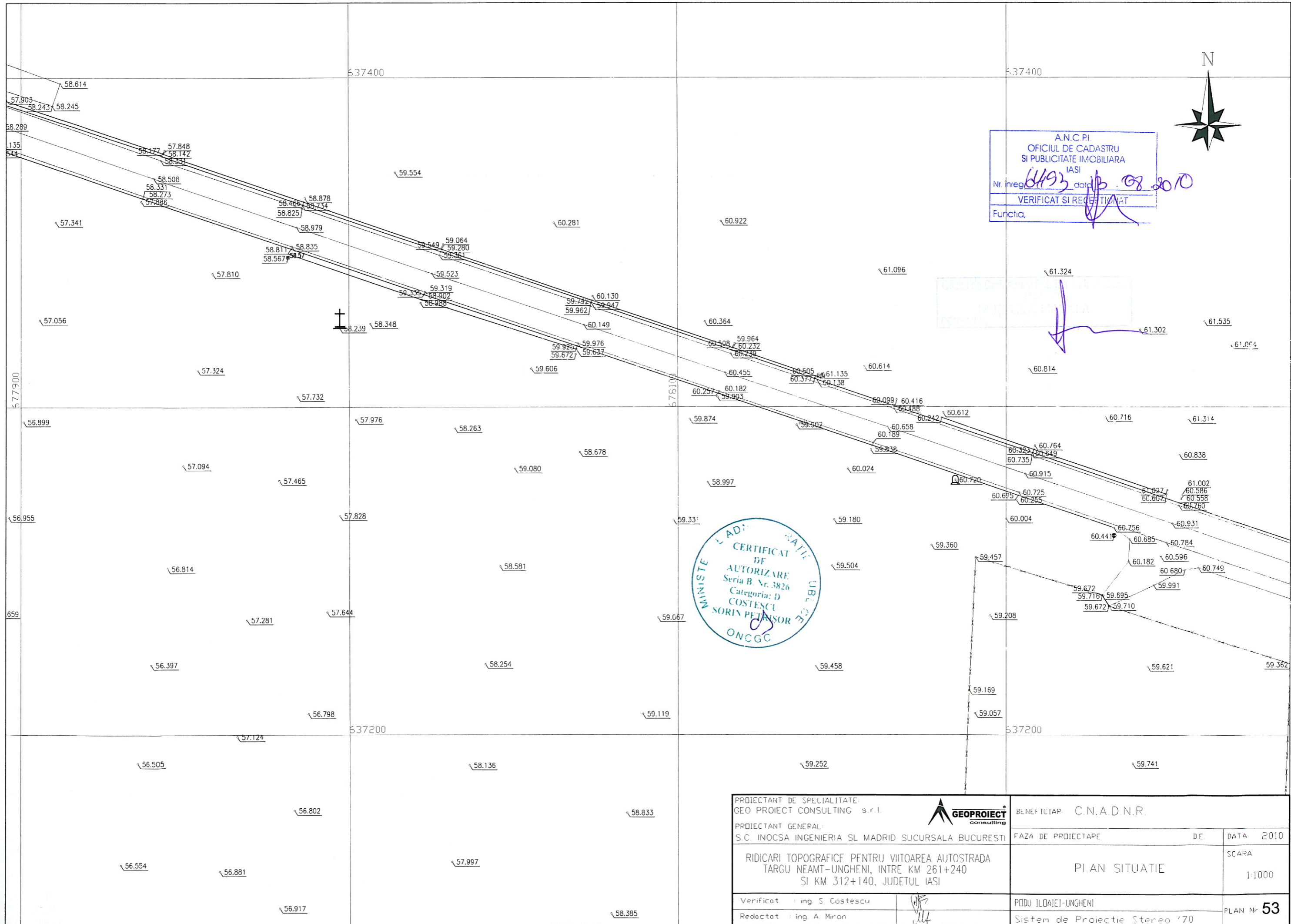


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 15.08.2014
 VERIFICAT SI RECEPTIAT
 Functia.

CONSULTANT
 CONSULTANT

MINISTERUL LADN
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELETOR
 ONCGC

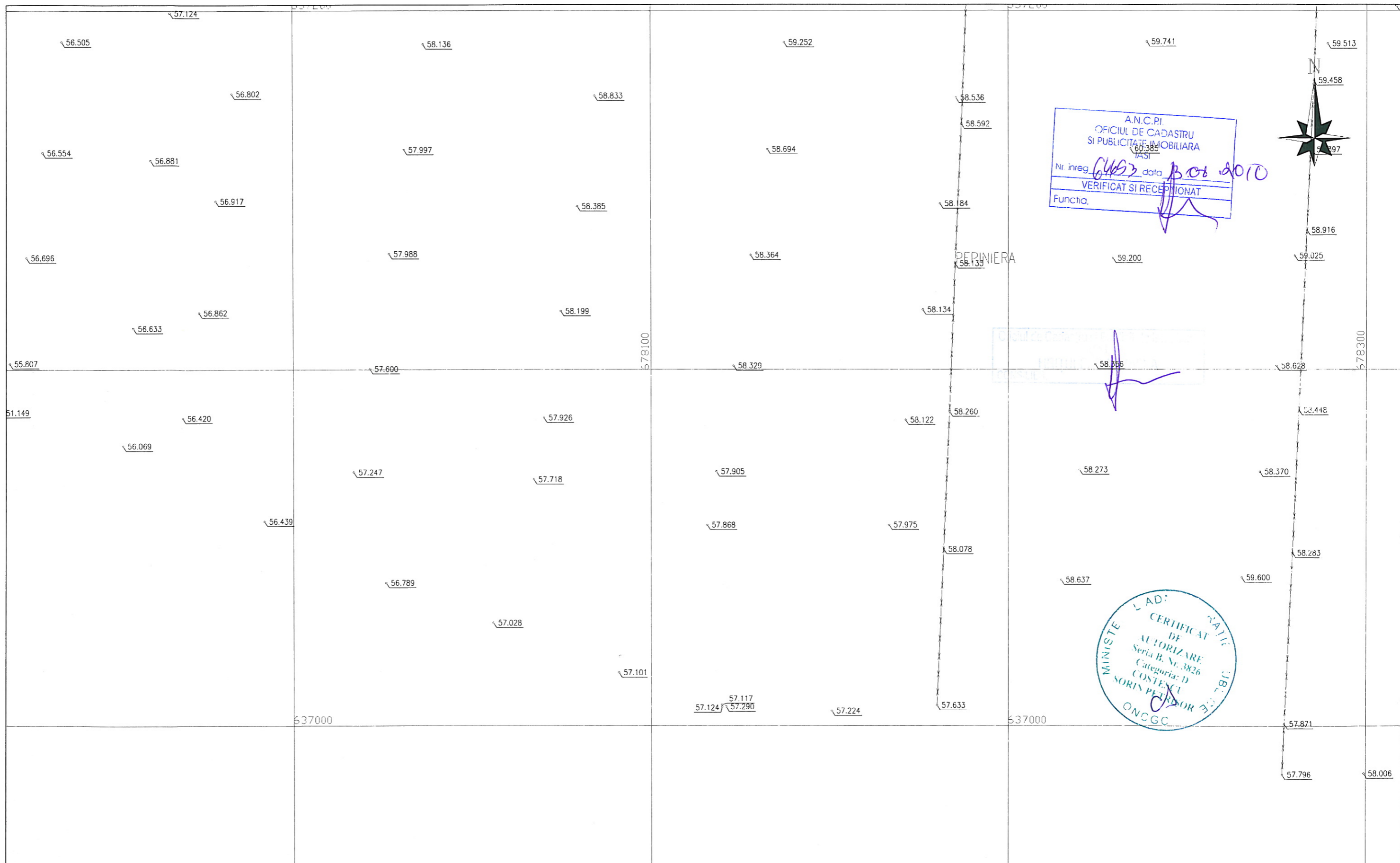
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 52 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |






A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 08.08.2010
 VERIFICAT SI RECEPTIIONAT
 Functia, _____

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRUSOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 53 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

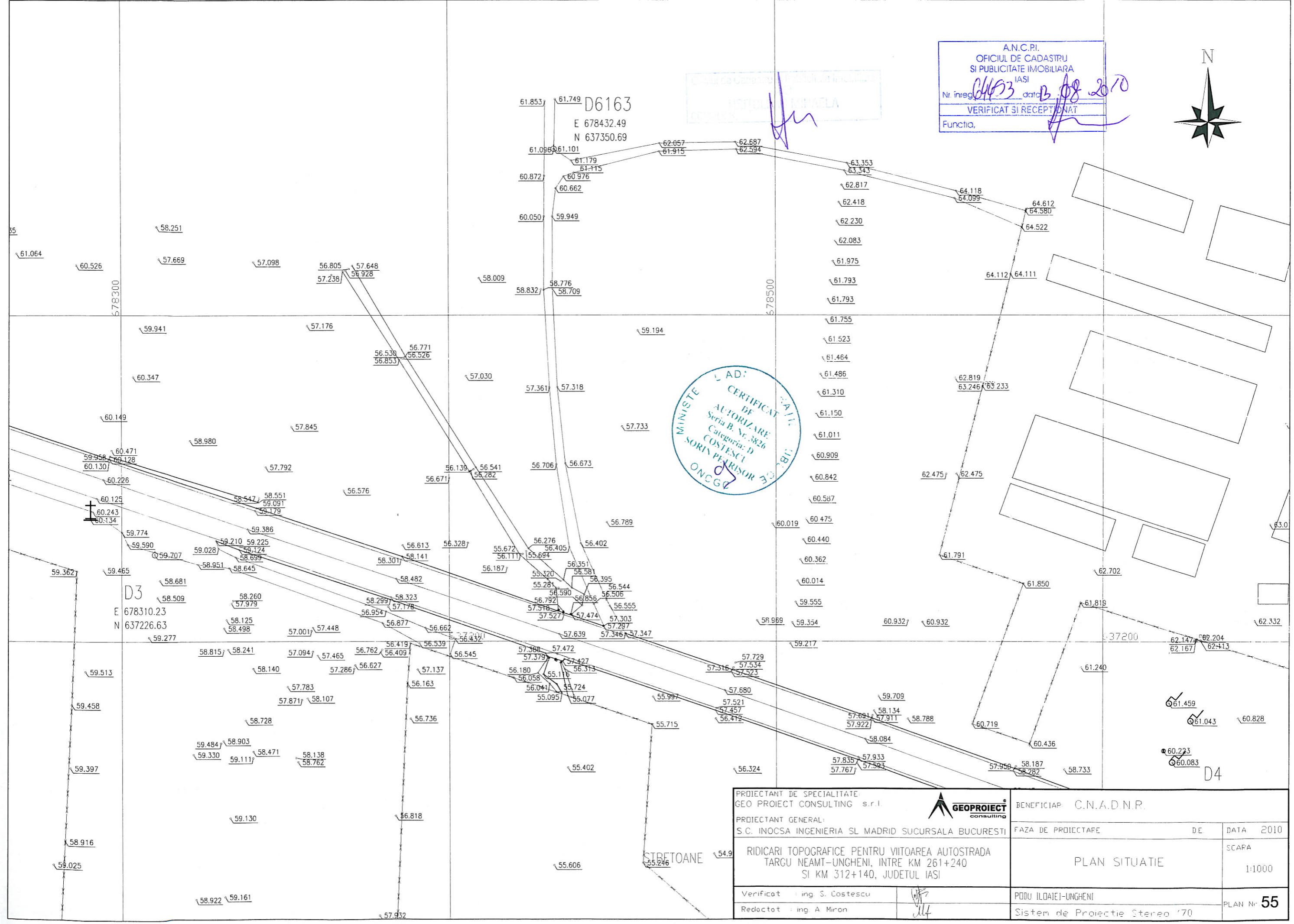


| | | | | | |
|--|--|---|--|--------------------------------|-----------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | | DE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | | SCARA 1:1000 | |
| Verificat : ing. S. Costescu | |  | | PODU ILDAIEI-UNGHENI | |
| Redactat : ing. A. Miron | |  | | Sistem de Proiectie Stereo '70 | |
| | | | | PLAN Nr. 54 | |

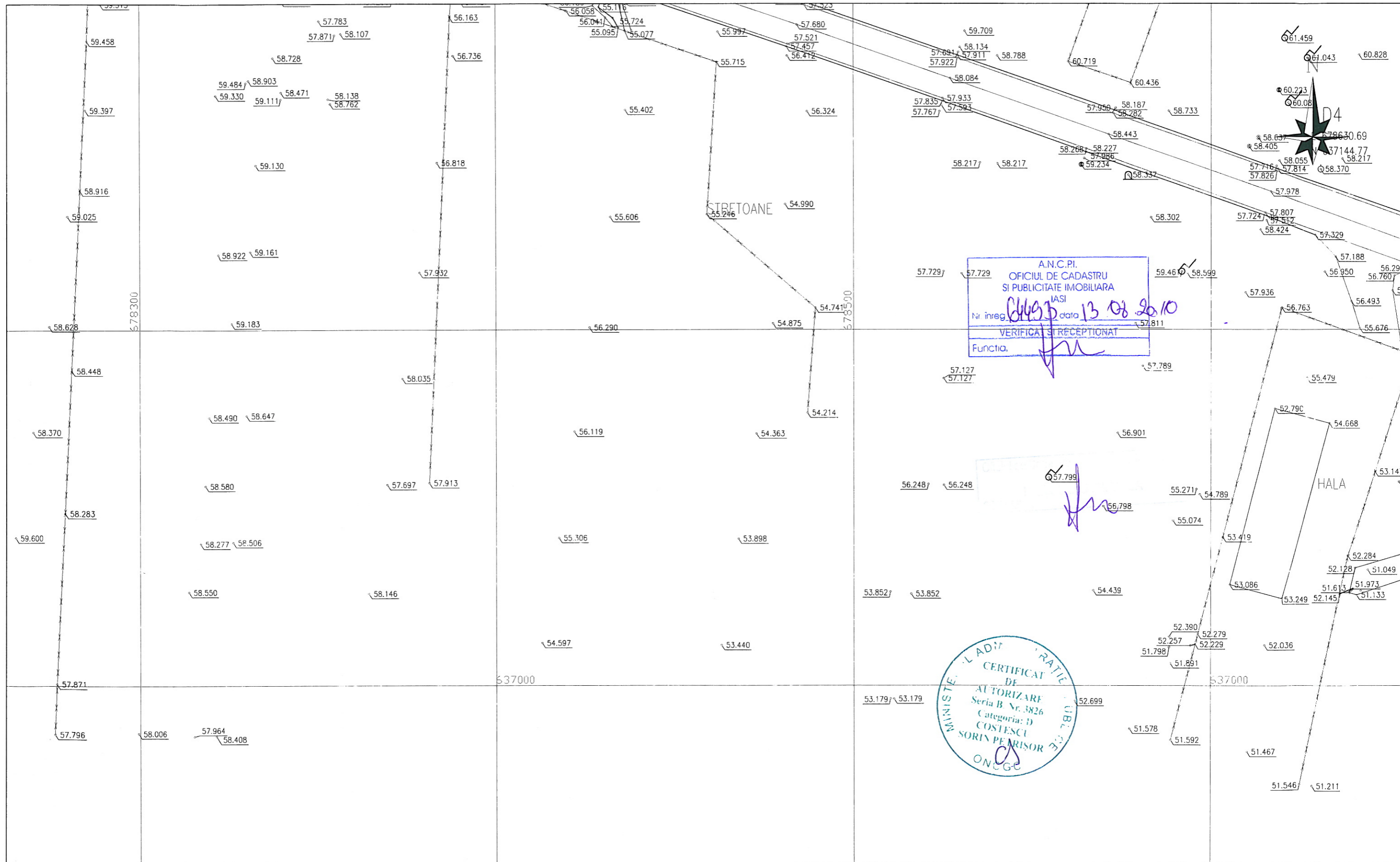
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 12.08.2010
 VERIFICAT SI RECEPTIAT
 Functia. *[Signature]*



AD: CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PEARISOR
 ONCGG



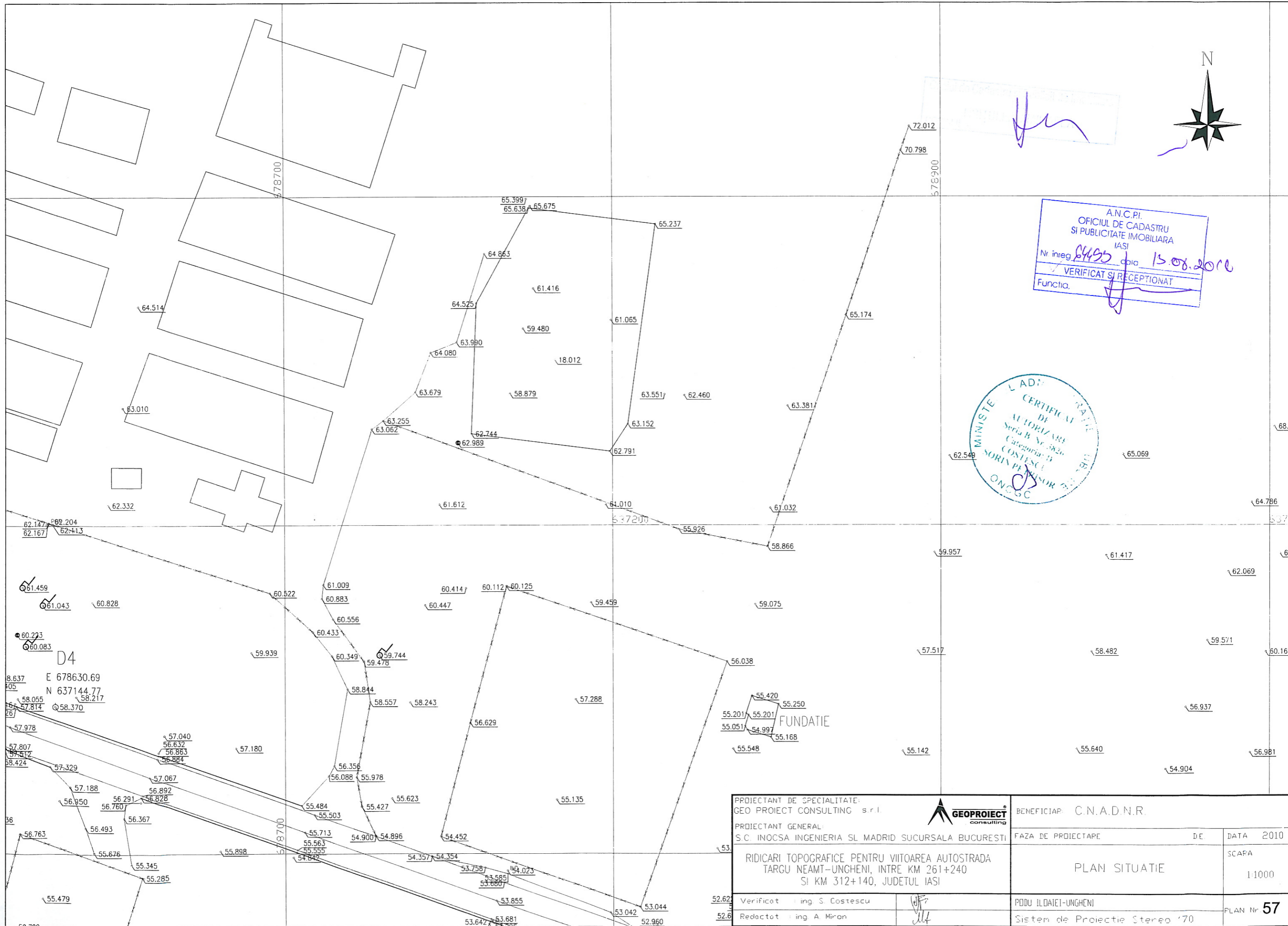
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | SCAFA 1:1000 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 55 |



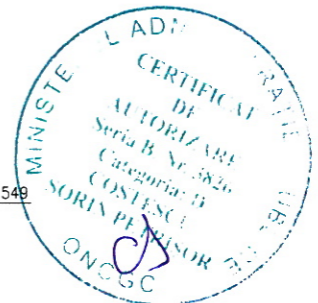
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *6493* data *13.08.2010*
 VERIFICAT SI RECEPTIONAT
 Funcția. *[Signature]*

MINISTERUL AGRICULTURII ȘI DEZVOLTĂRII RURALE
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARIȘOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 56 |

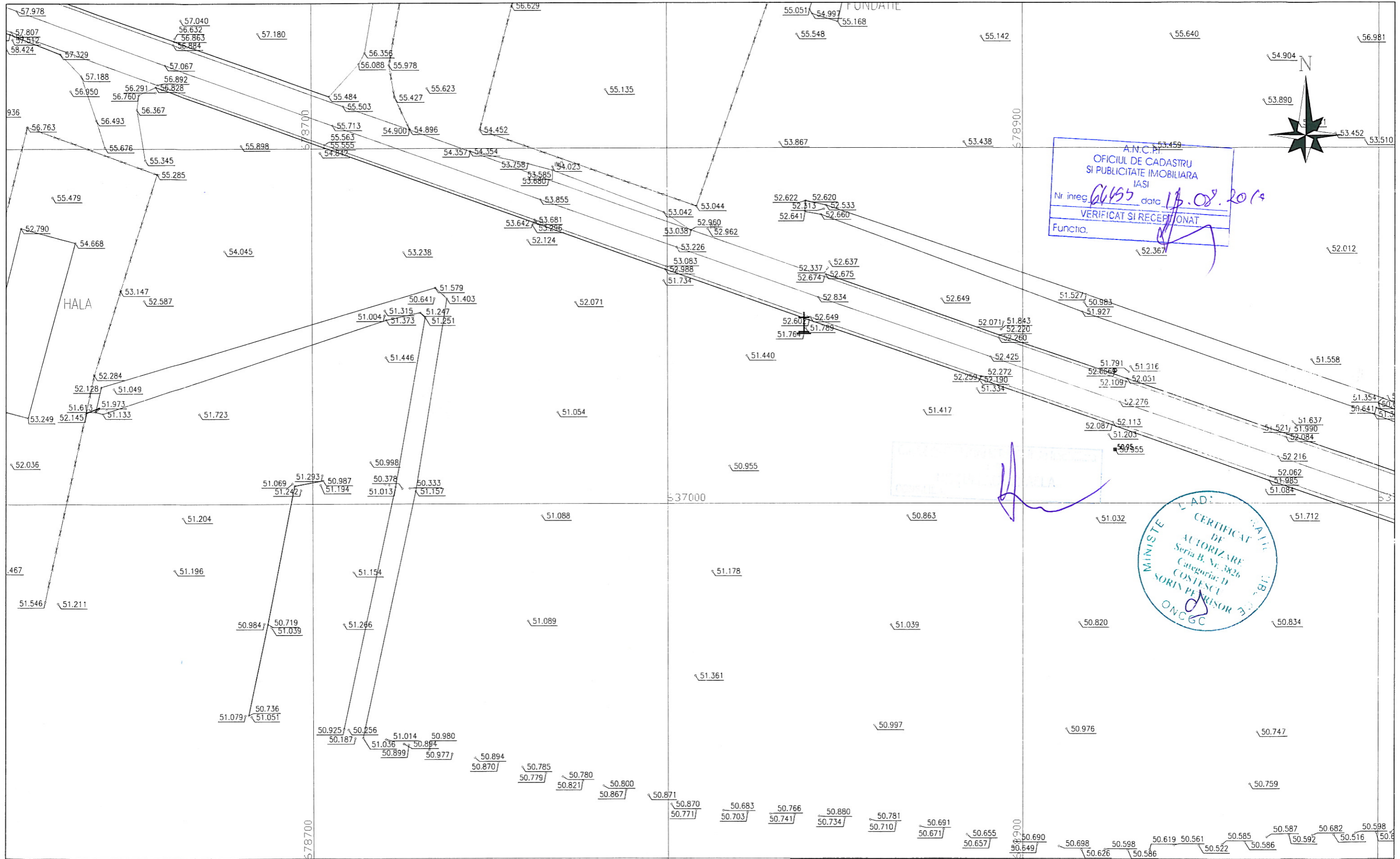


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 8495 data 13.08.2016
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



8.637 E 678630.69
 405 N 637144.77
 58.055 Q 58.370
 57.814 Q 58.370
 57.978
 57.807
 57.512
 58.424
 57.329
 57.188
 56.950
 56.760
 56.493
 56.367
 56.763
 56.493
 55.676
 55.345
 55.285
 55.479

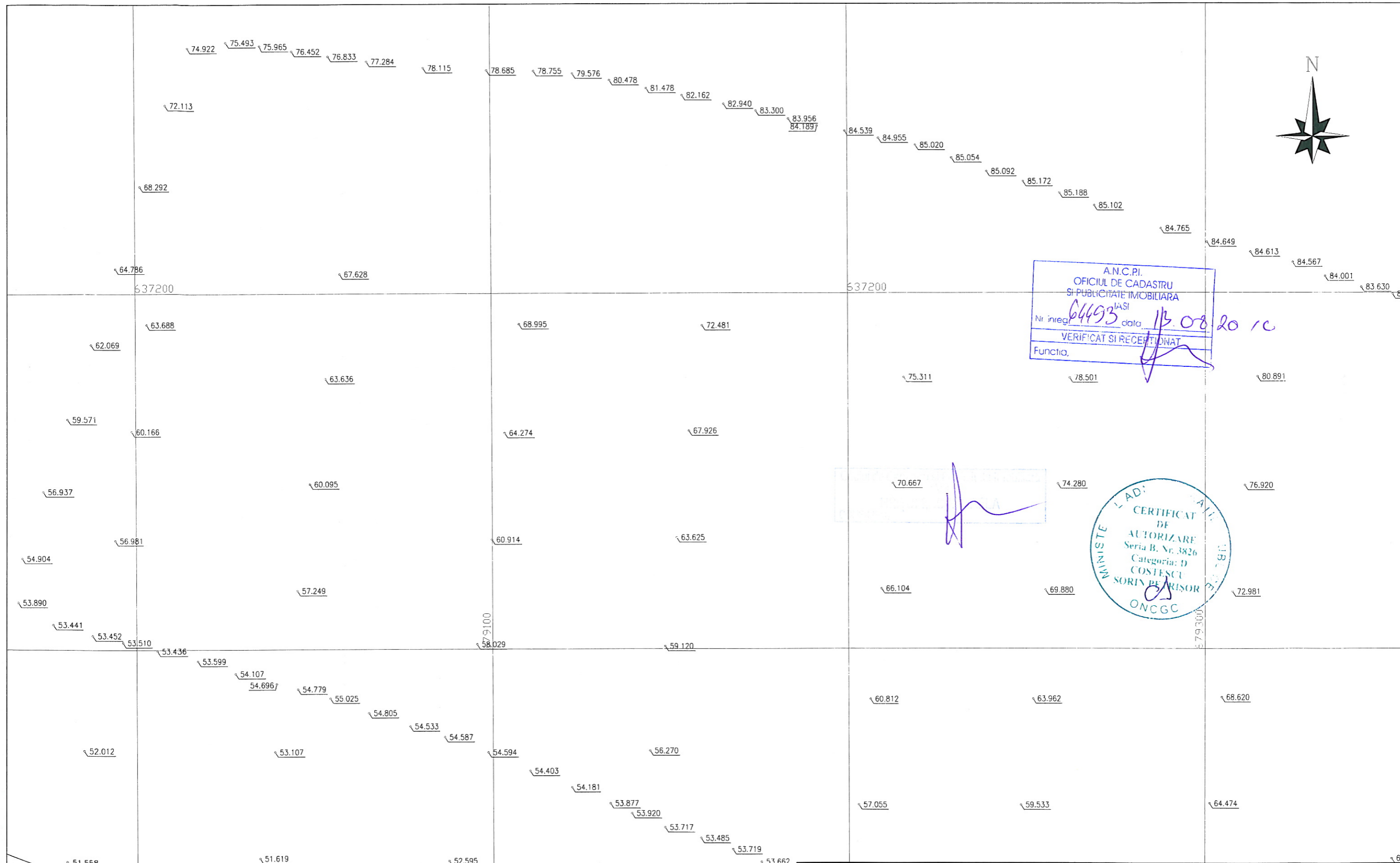
| | | | |
|--|-----------------------------|--------------------------|--------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| 52.62 | Verificat : ing S. Costescu | PLAN SITUATIE | SCAFA |
| 52.6 | Redactat : ing A. Miron | | 1:1000 |
| PODU ILDAIEI-UNGHENI | | PLAN Nr. 57 | |
| Sistem de Proiectie Stereop '70 | | | |



A.N.C.P.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *66455* data *13.08.2014*
 VERIFICAT SI RECEPȚIONAT
 Funcția. *[Signature]*

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PENRISOR
 ONC 6C

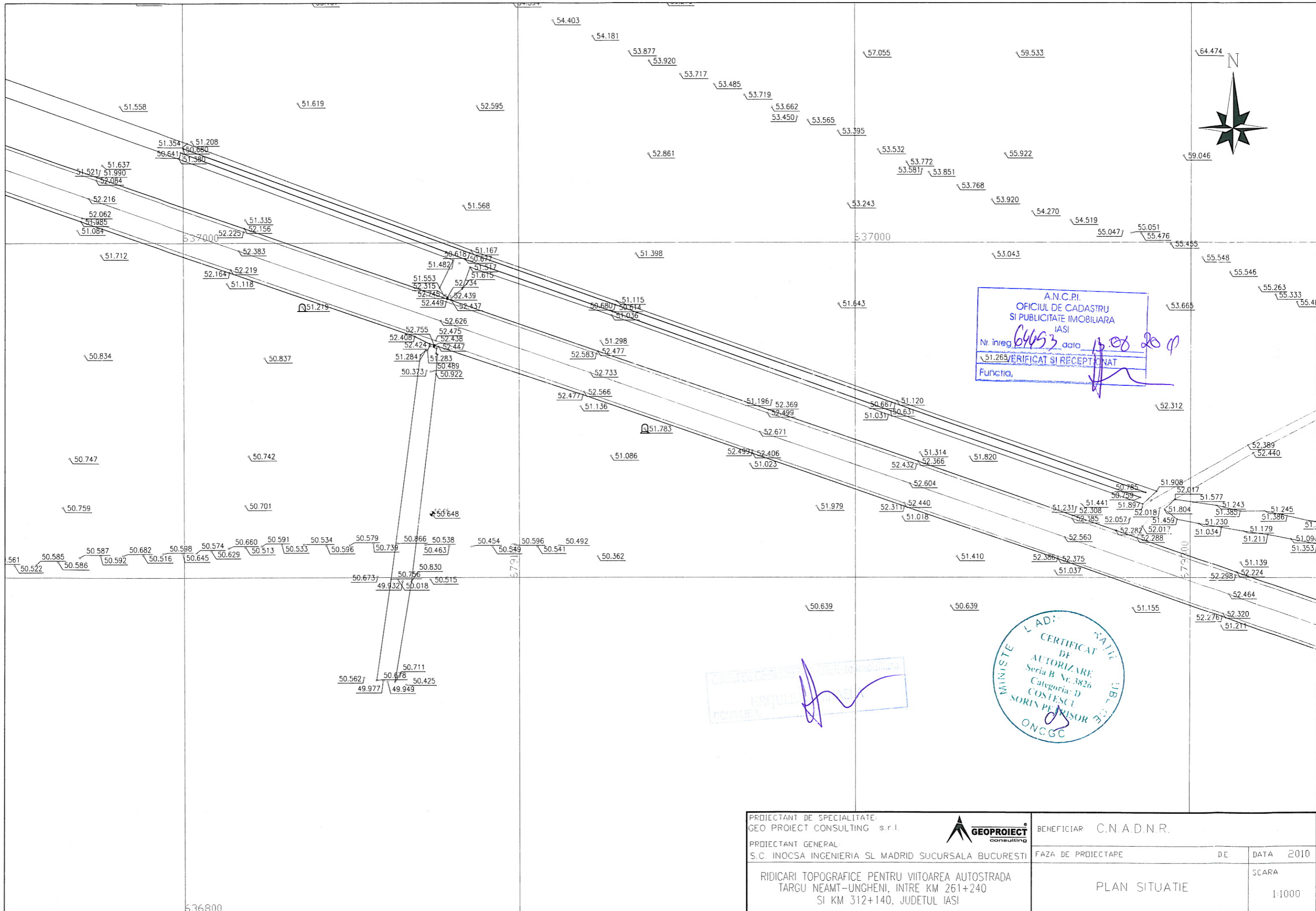
| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 58 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr. inreg. 64493 data 13.08.2010
VERIFICAT SI RECEPTIIONAT
Funcia.

MINISTERUL
LAD
CERTECAT
DE
AUTORIZARE
Seria B. Nr. 3826
Categorie: D
COSTESCU
SORIN PE
RISOR
ONCGC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 59 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

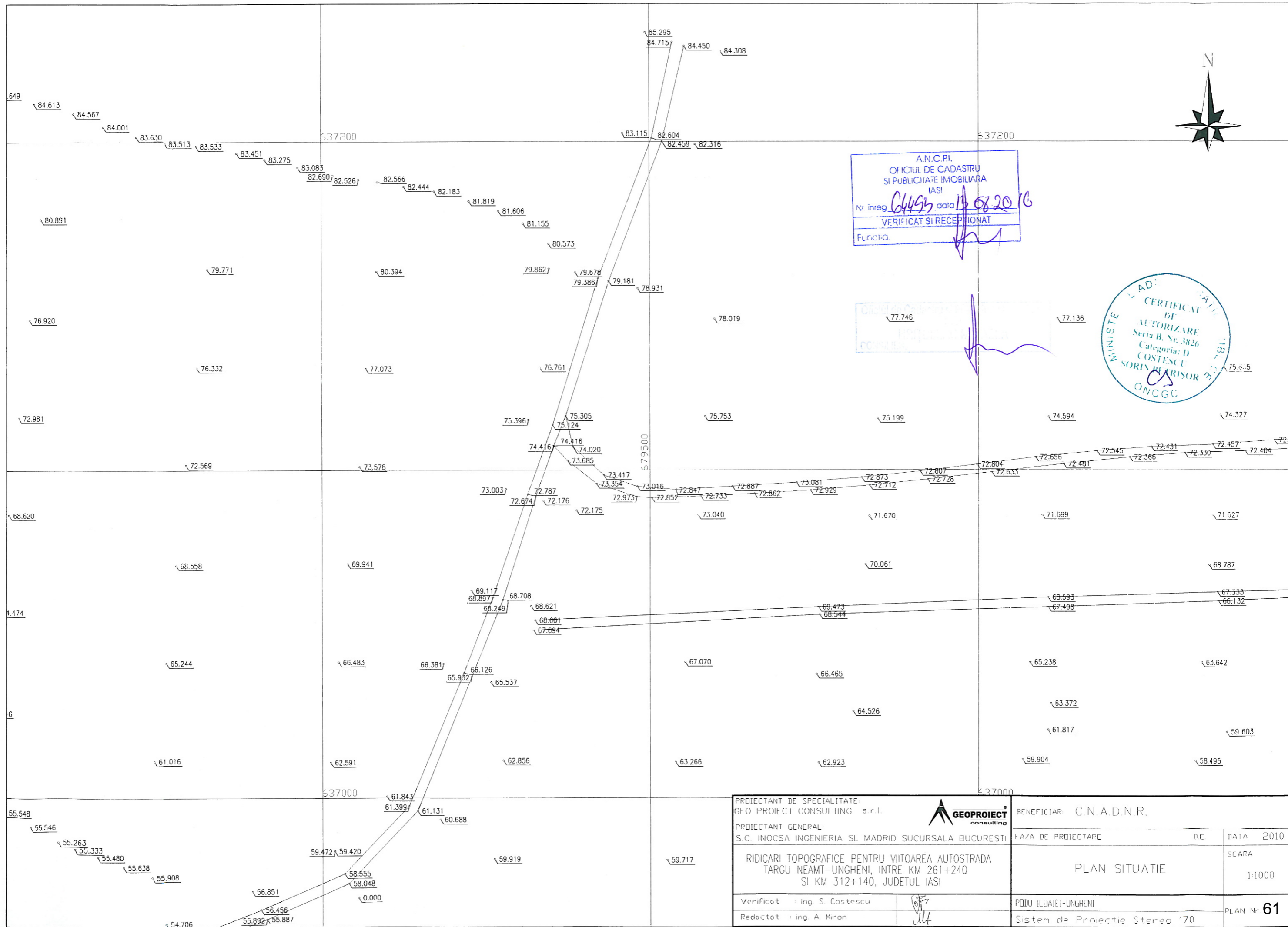


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg *6453* data *13.08.2017*
 VERIFICAT SI RECEPTIONAT
 Functia, _____

CADASTRU
 CONSULTANT

MINISTERUL DE INTERNE AFFAIRS
 CERTIFICAT DE AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU SORIN PEZESOR
 ONCGC

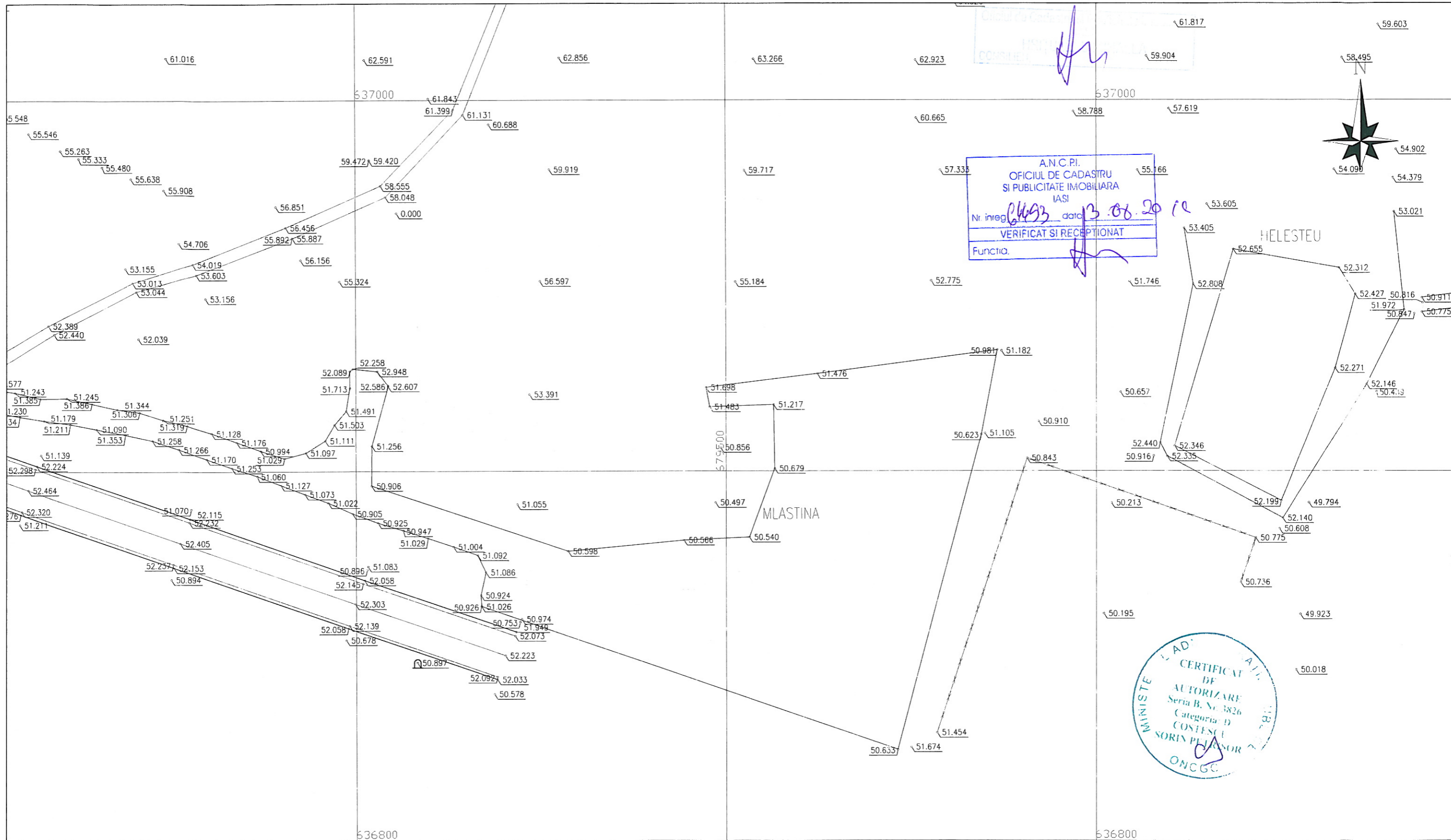
| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 60 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6495 data 13.08.2016
 VERIFICAT SI RECEPTIONAT
 Functia: _____



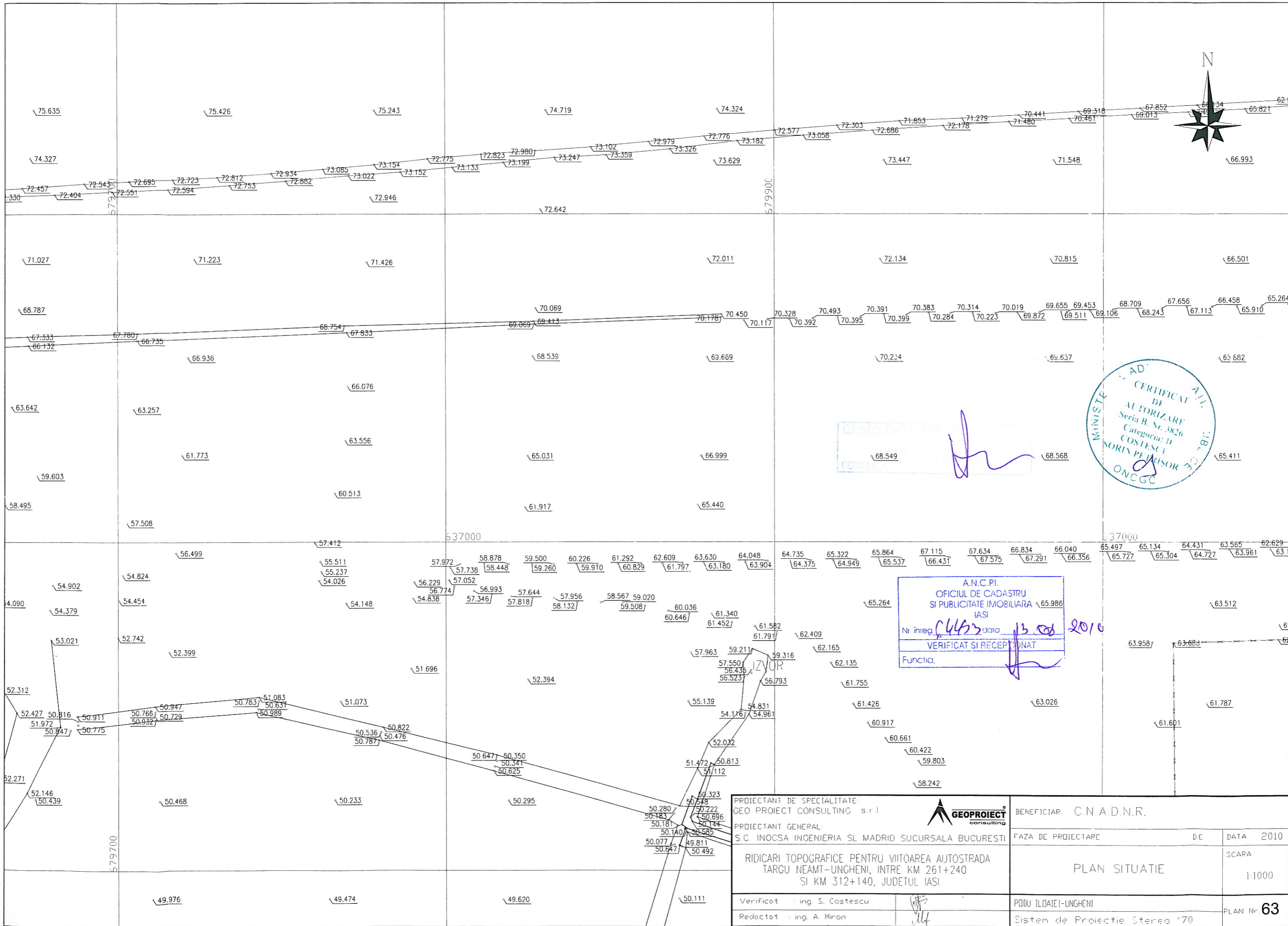
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 61 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 2493 data 13.08.2012
 VERIFICAT SI RECEPTIONAT
 Functia. _____

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria D
 COSTESCU
 SORIN PLEASOR
 ONCGC

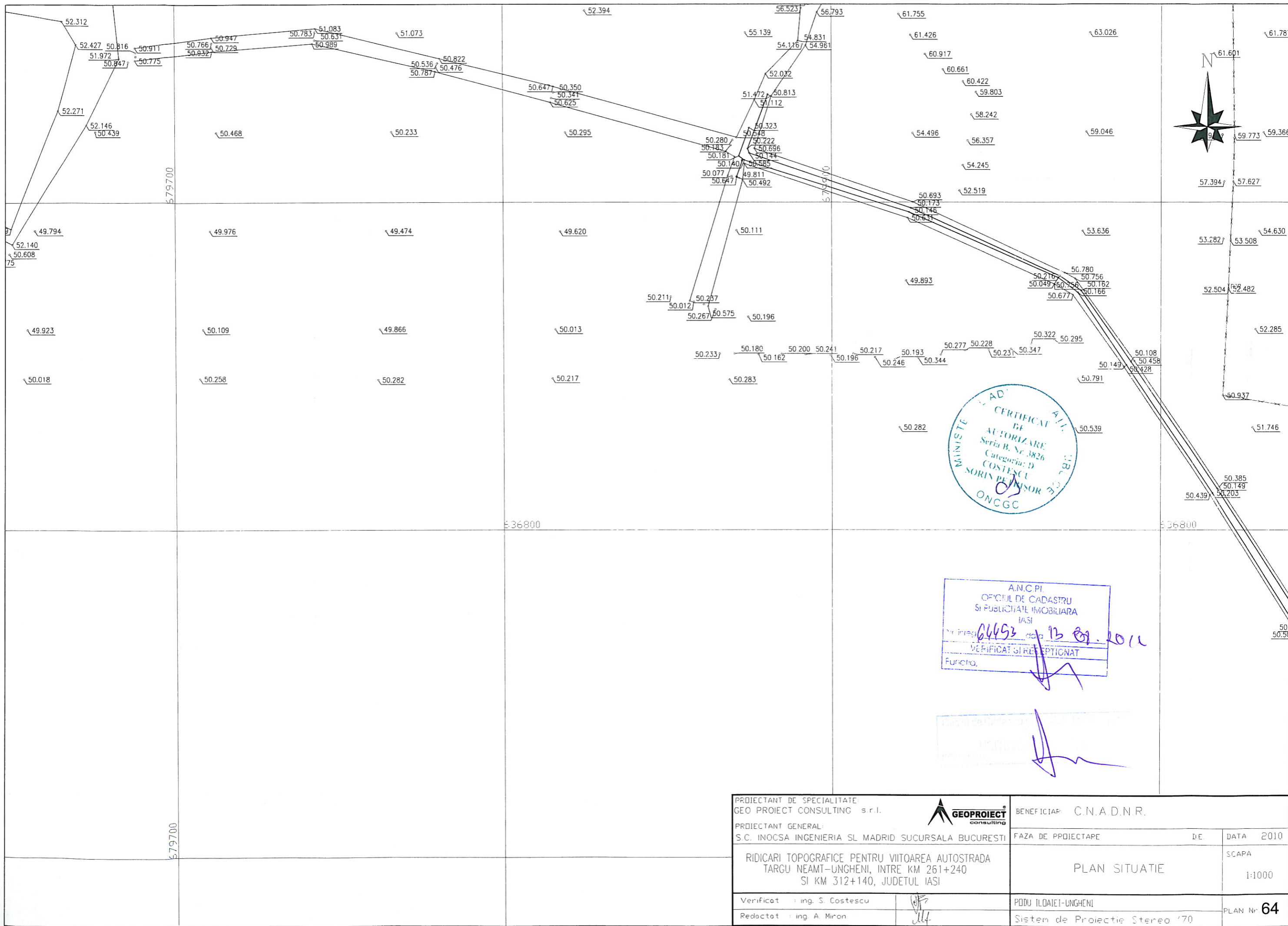
| | | | |
|--|--|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILODAIEI-UNGHENI | PLAN Nr. 62 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereoa '70 | |



CONSULTANT
CONSULTANT

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg. 4423 data 13.08.2010
VERIFICAT SI RECEPTIUNAT
Funcția:

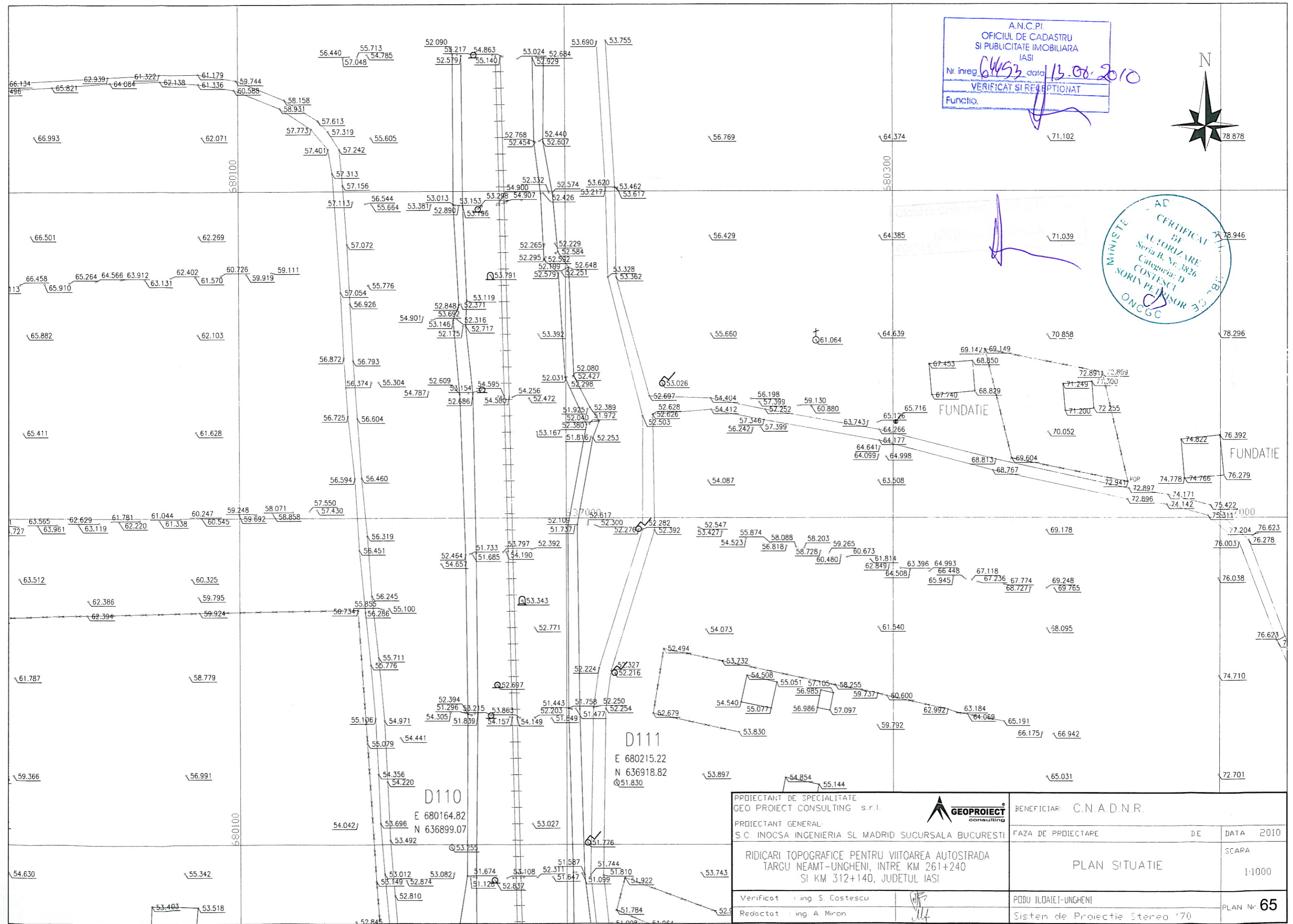
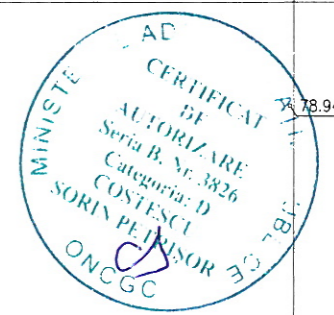
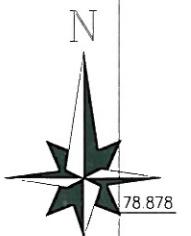
| | | | |
|---|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 63 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



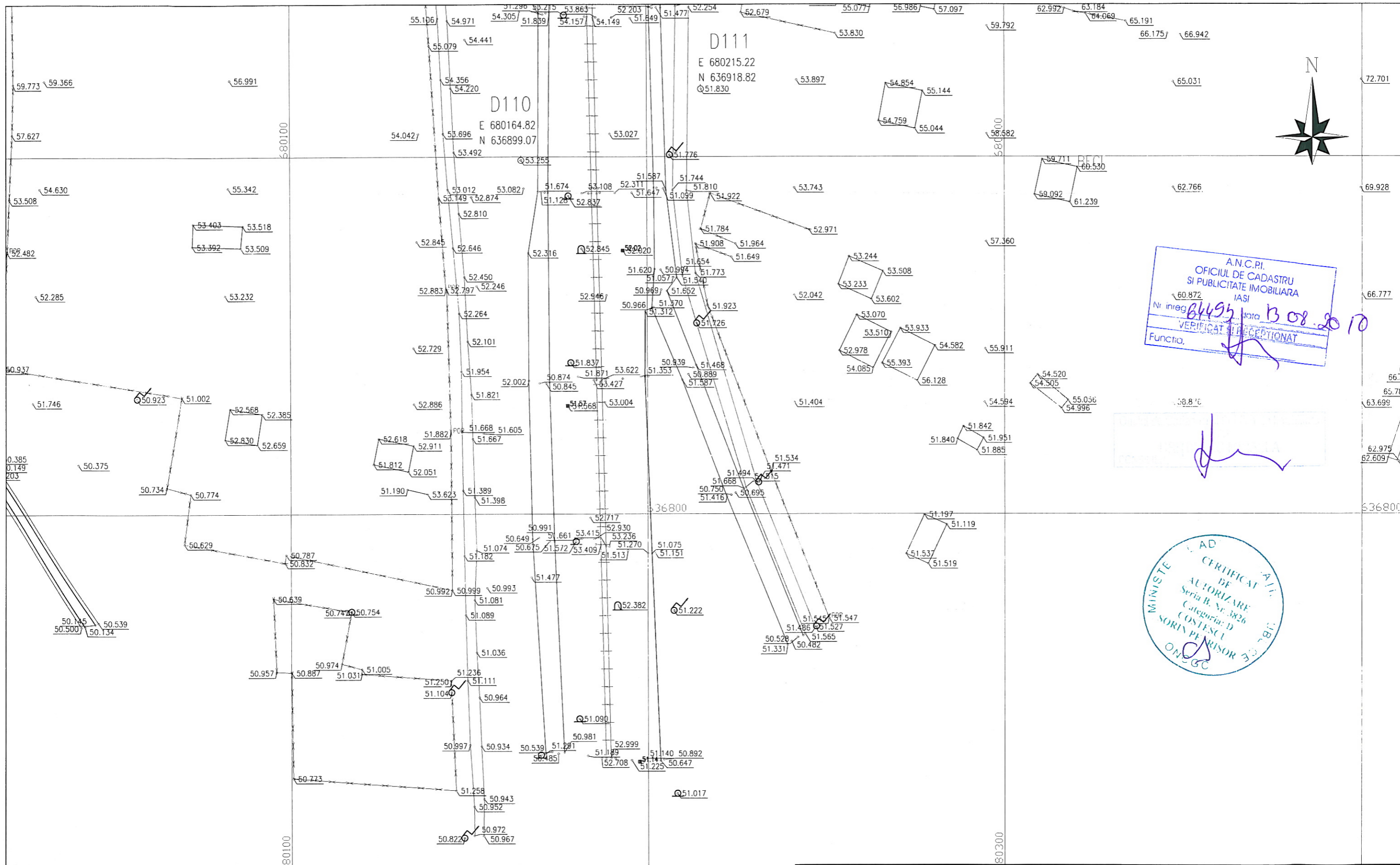
A.N.C.P.I.
 OFICIUL DE CADASTRU
 ȘI PUBLICITATEA IMOBILIARĂ
 IASI
 Nr. înreg. 4453 data 13.09.2011
 VERIFICAT ȘI RECEPTAT
 Funcția _____

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDEȚUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCAPA |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiecție Stereo '70 | 1:1000 |
| | | | PLAN Nr. 64 |

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPTIIONAT
 Functio.



| | | |
|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO CONSULTING s.r.l. | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat ing. S. Costescu | PODU ILOAIEI-UNGHENI | PLAN Nr. 65 |
| Redactat ing. A. Miron | Sistem de Proiectie Stereo '70 | |

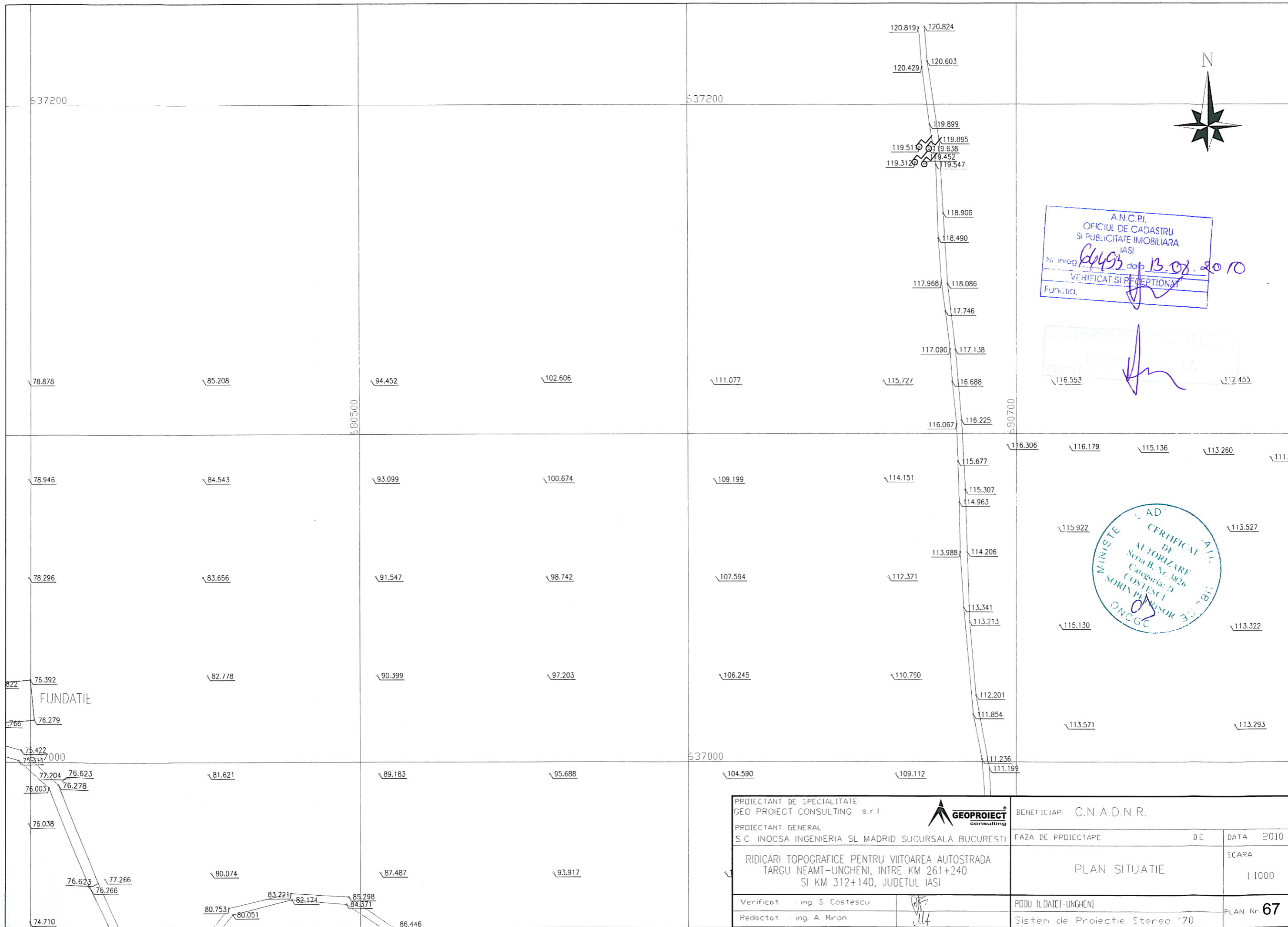


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. integ. 6495 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia. *[Signature]*

[Handwritten signature]

AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEIRISOR
 ONO GC

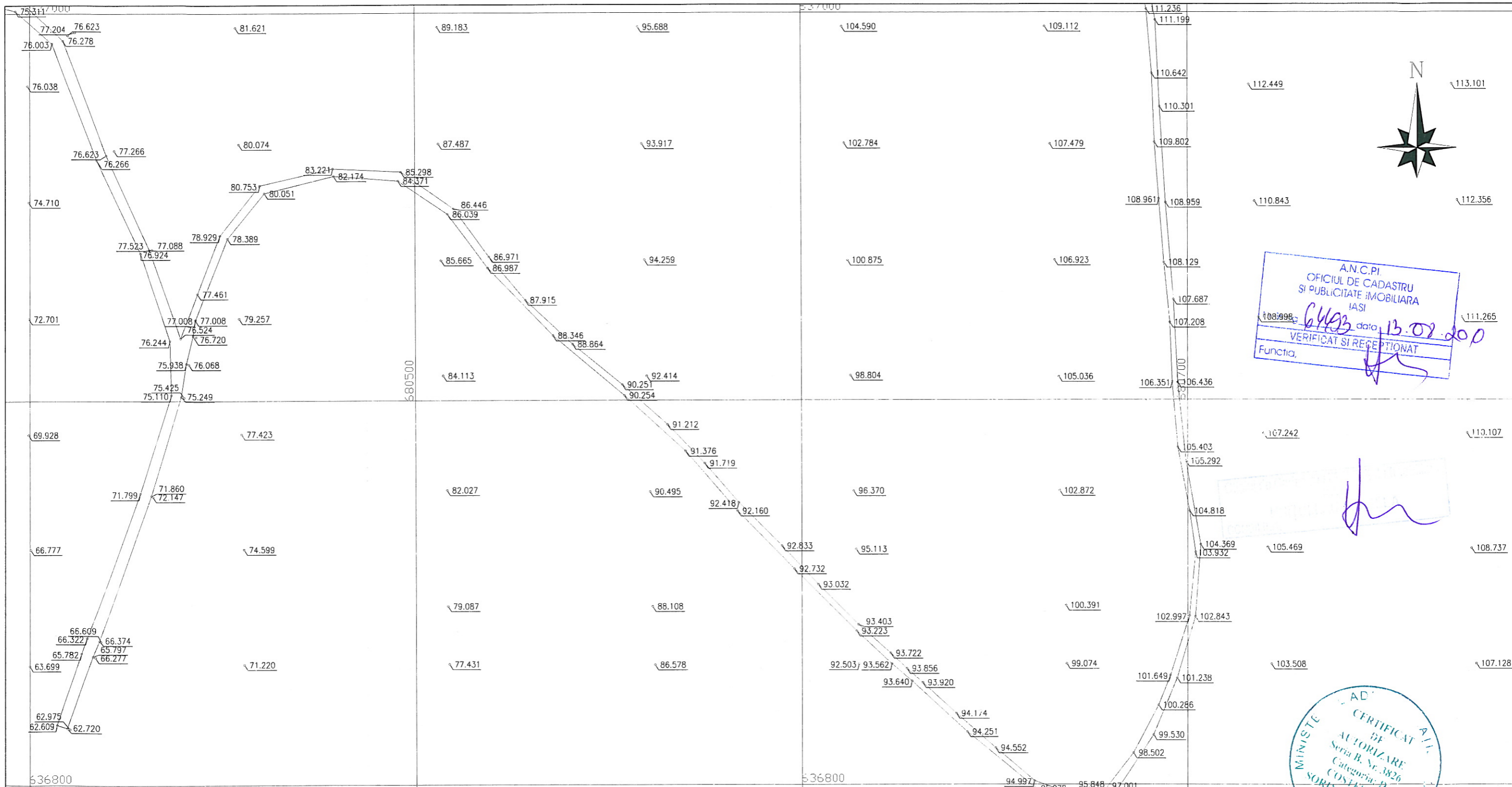
| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 66 |
| Pedactat ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.R.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr. inreg. *6493* data *13.07.2010*
VERIFICAT SI RECEPTIONAT
Functia, *[Signature]*

AD
CERTIFICAT
DE
AUTORIZARE
Seria B. Nr. 3826
Categorie: D
COSTESCU
SORIN PENESOR
ONCGC

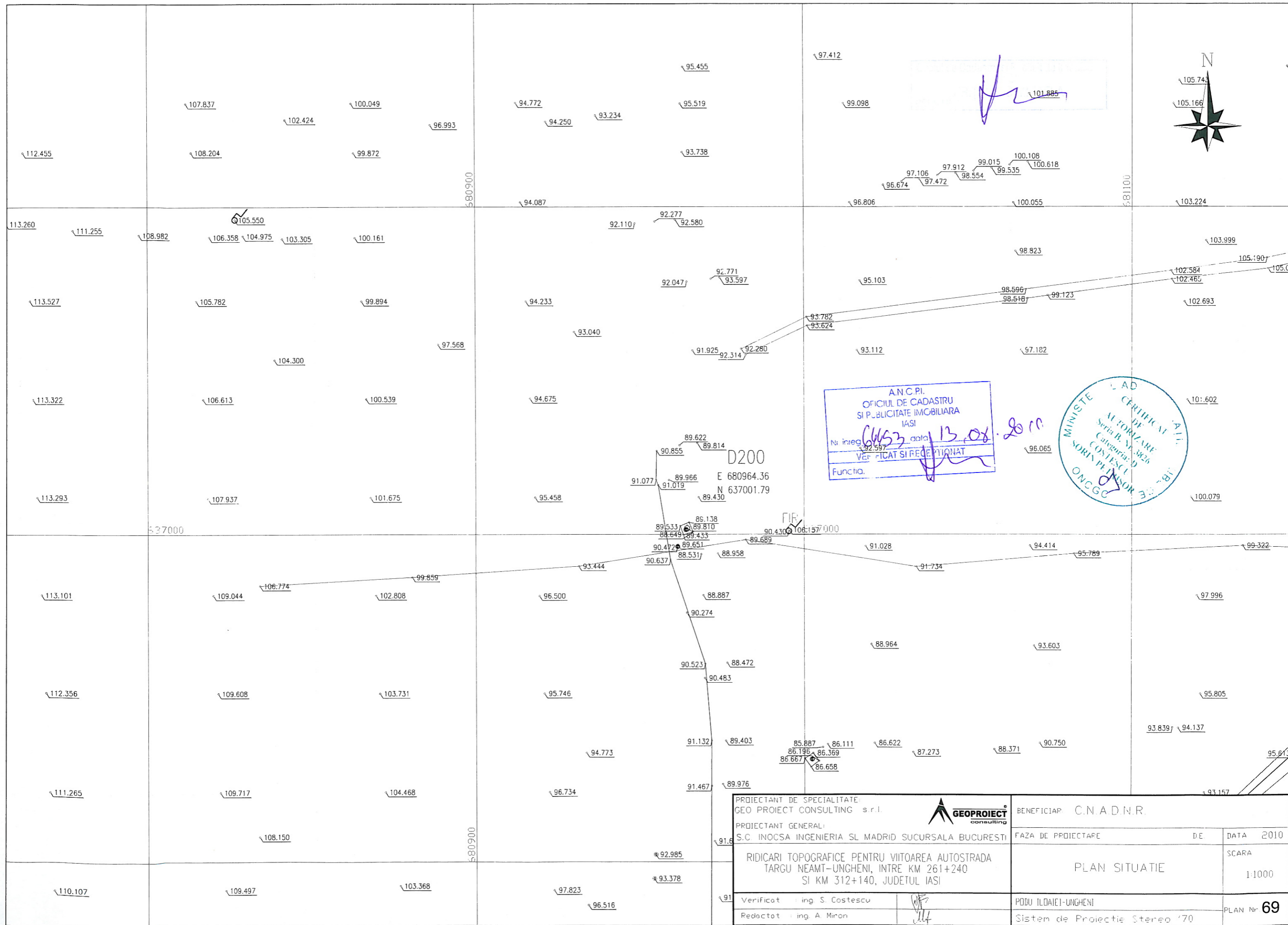
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 67 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 108.998 6493 data 13.02.2010
 VERIFICAT SI RECEPTIONAT
 Funcția, *[Signature]*

AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELESOR
 ONCC

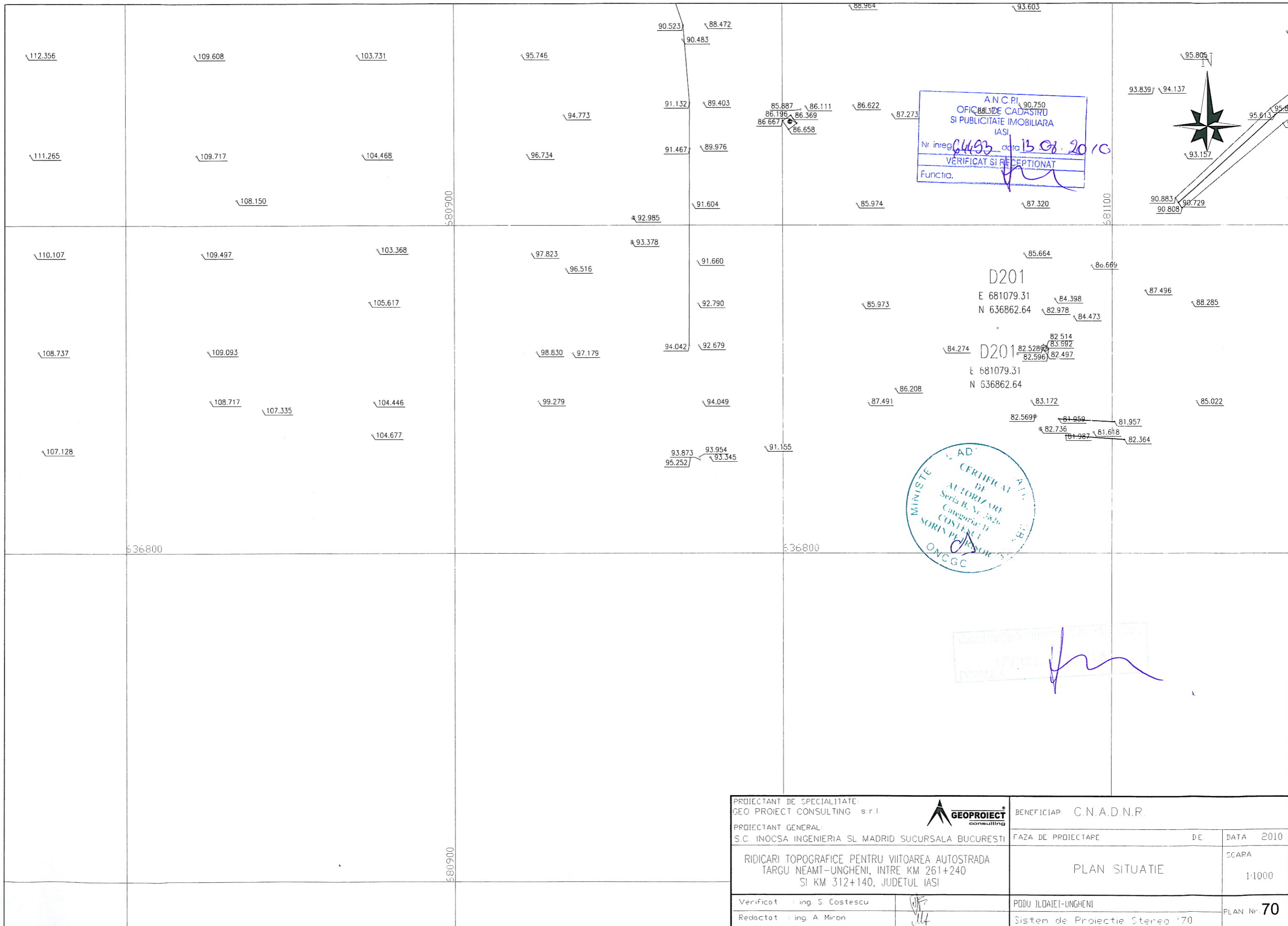
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | PLAN Nr. 68 |
| Pedoctat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPUTAT
 Functia. [Signature]

MINISTERUL TRANSPORTURILOR SI INFRASTRUCTURII
 AUTORITATEA NATIONALA DE INFRASTRUCTURA
 SERIA B. Nr. 3826
 CATEGORIA: D
 COSTESCU
 SORIN PETRUSOR
 ONCGG

| | | | |
|--|--------------------|---------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat: ing. S. Costescu | <u>[Signature]</u> | PODU ILOAIEI-UNGHENI | PLAN Nr. 69 |
| Redactat: ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereoa '70 | |

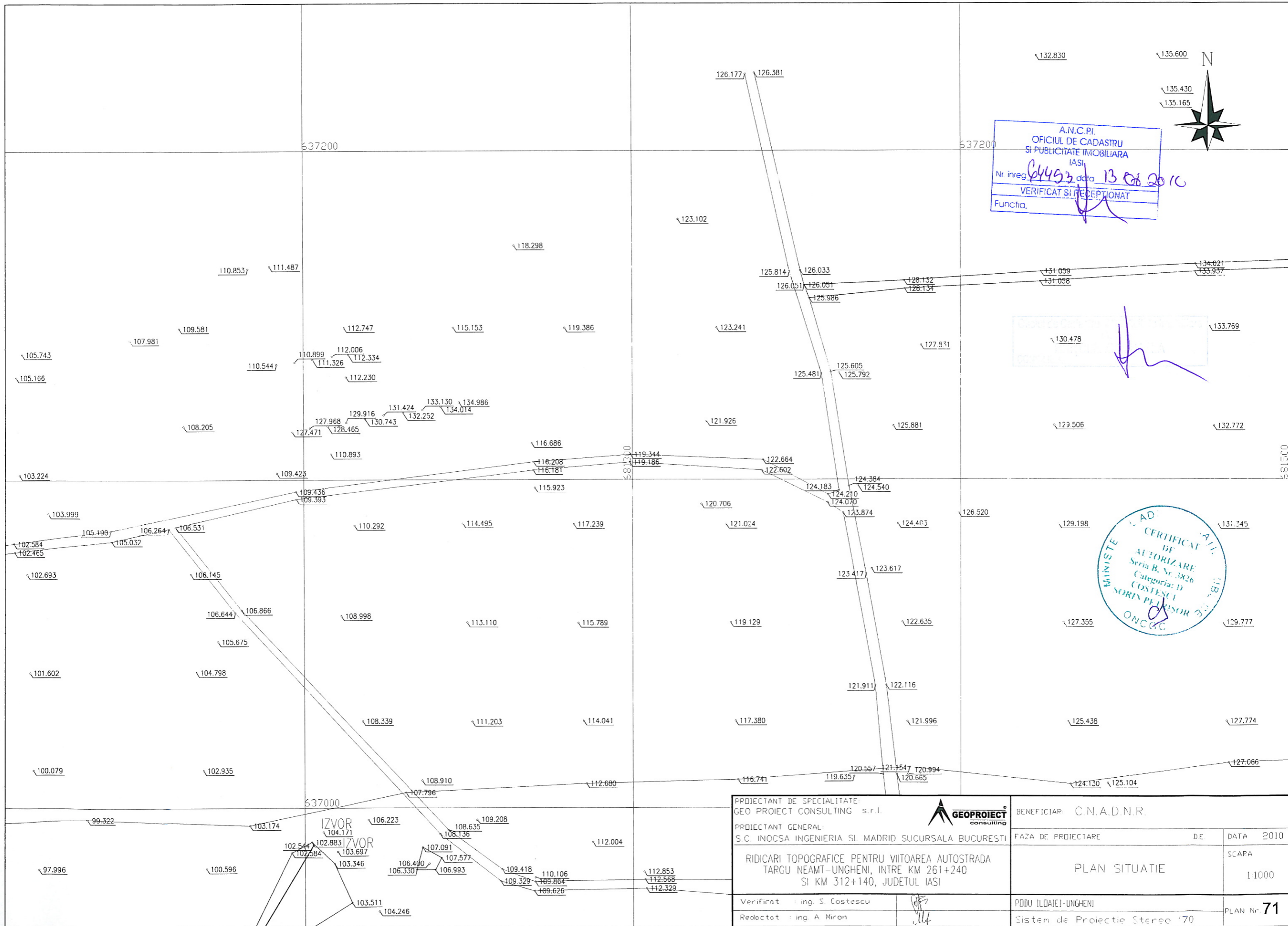


A.N.C.P.I. 90.750
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 382
 Categoria II
 COSTELI
 SORIN PE
 ONCCG

13.08.2010

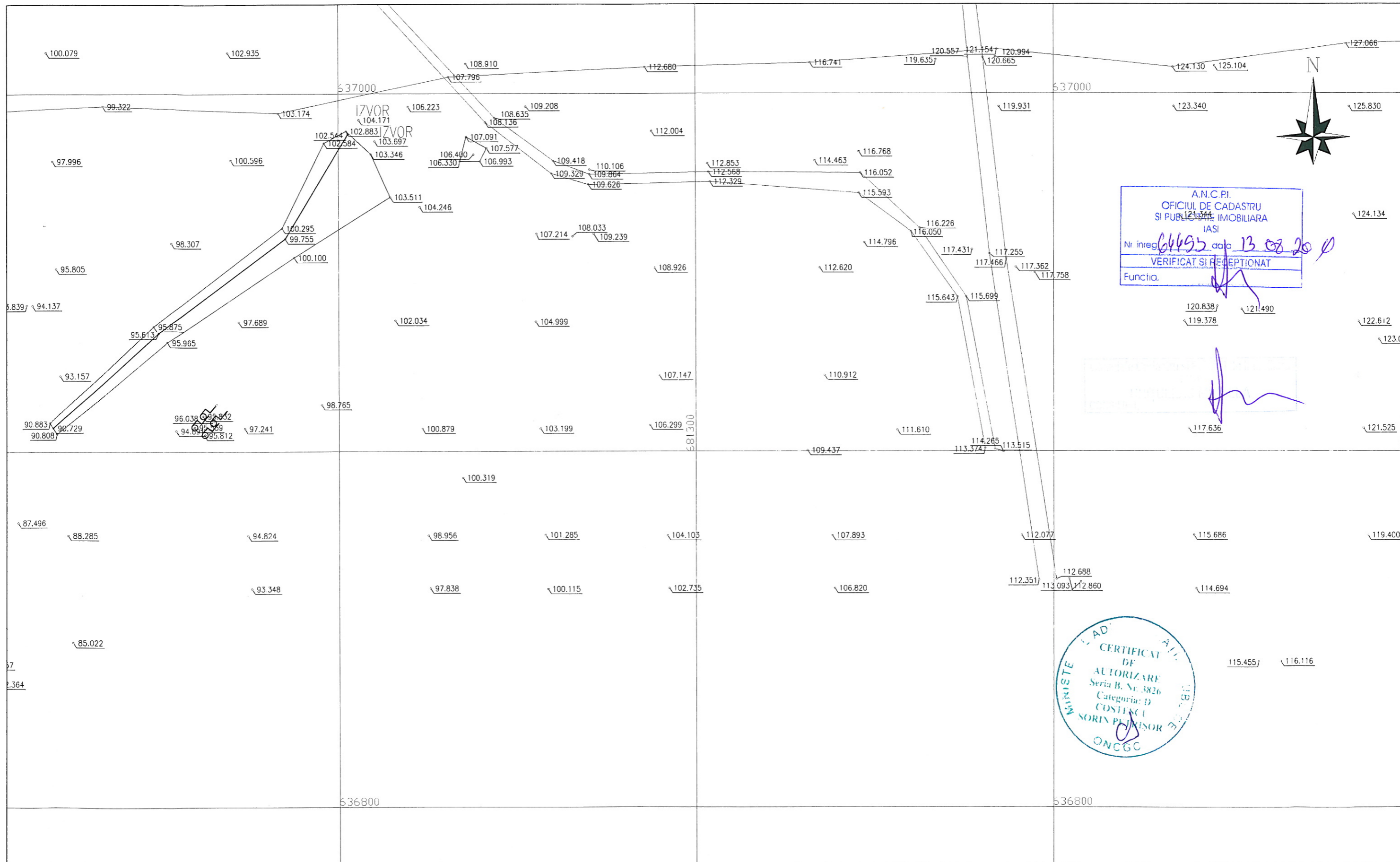
| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 70 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13 Oct 2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

MINISTERUL TRANSPORTURILOR
 SI CALITATII INFRASTRUCTURII
 AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELENSOR
 ONCC

| | | | |
|--|-------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat: ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 71 |
| Redactat: ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 6495 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

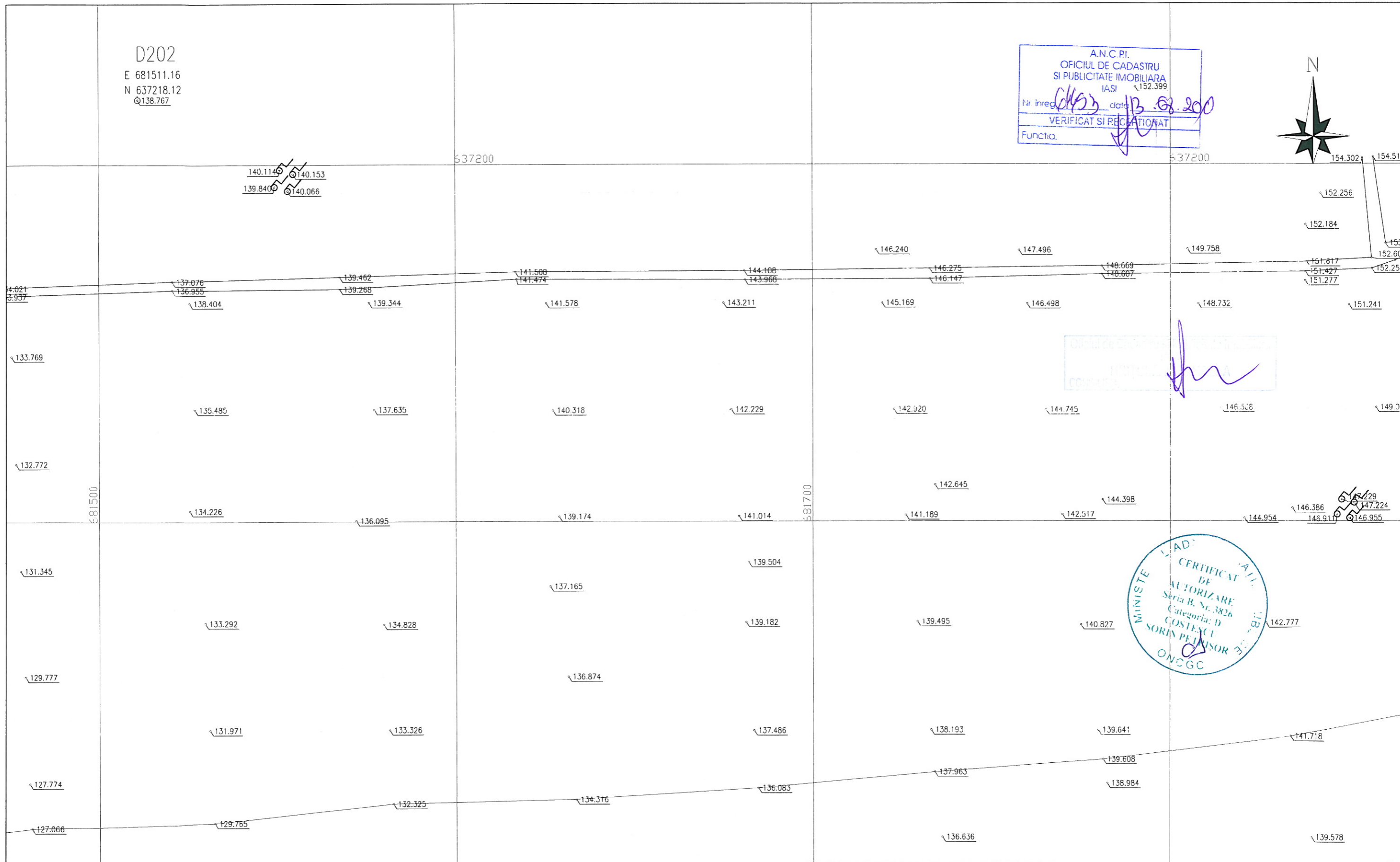
CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria D
 COSTESCU
 SORIN PELEVISOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAJEI-UNGHENI | PLAN Nr. 72 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

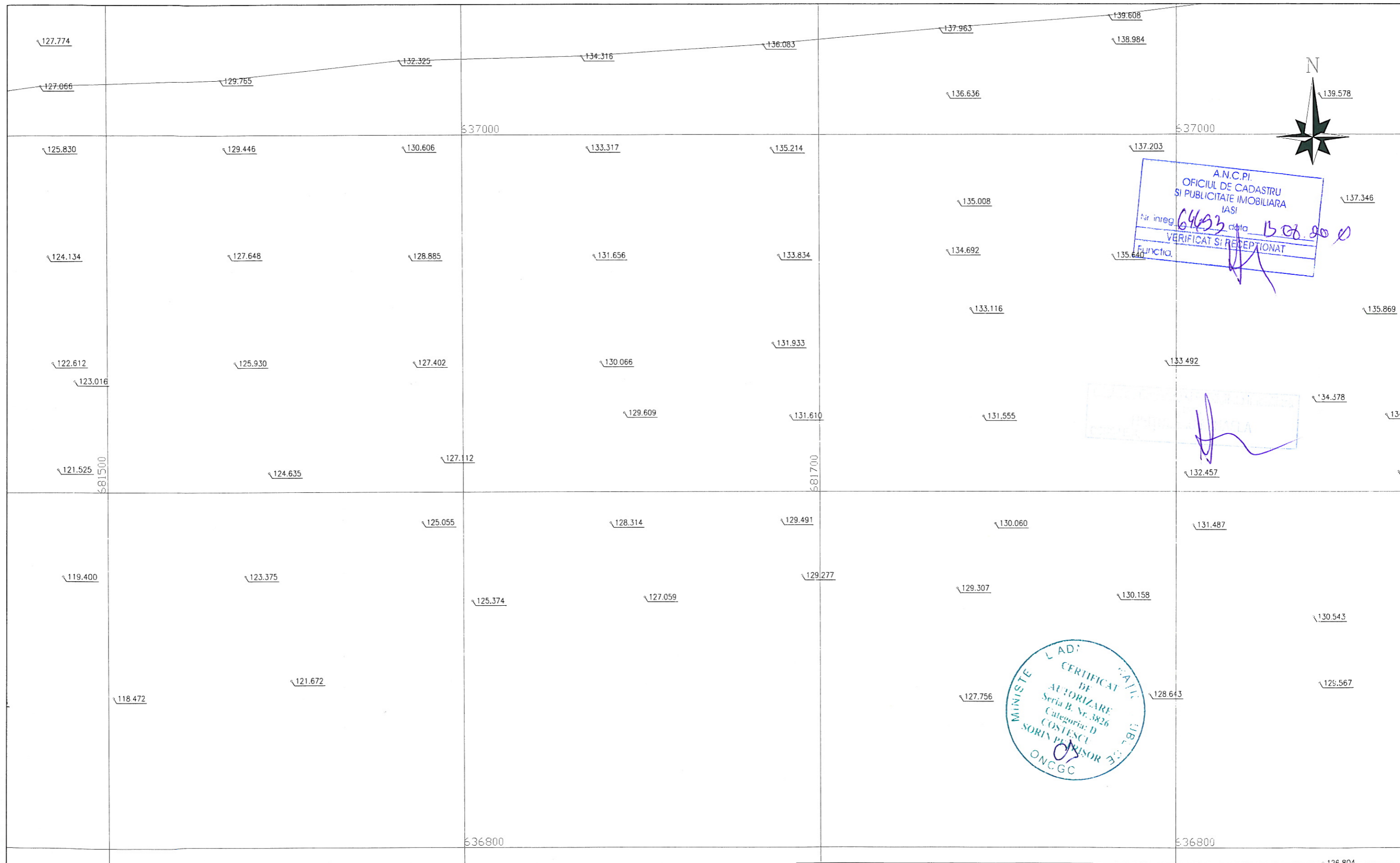
D202

E 681511.16
N 637218.12
Q138.767

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI 152.399
Nr inreg. *0453* data *13.08.200*
VERIFICAT SI RECEPTIIONAT
Funcia. *[Signature]*



| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 73 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

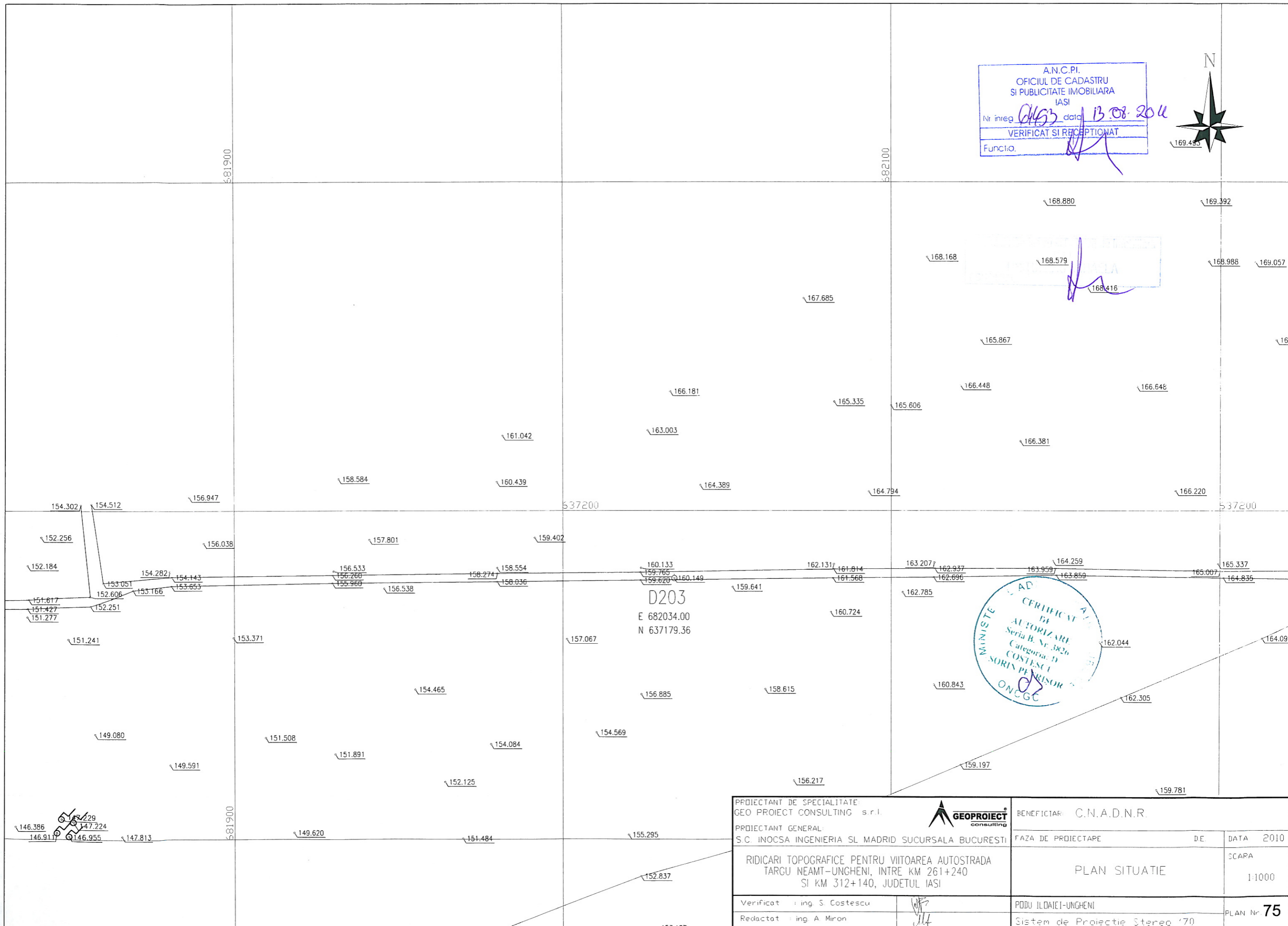


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 6493 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

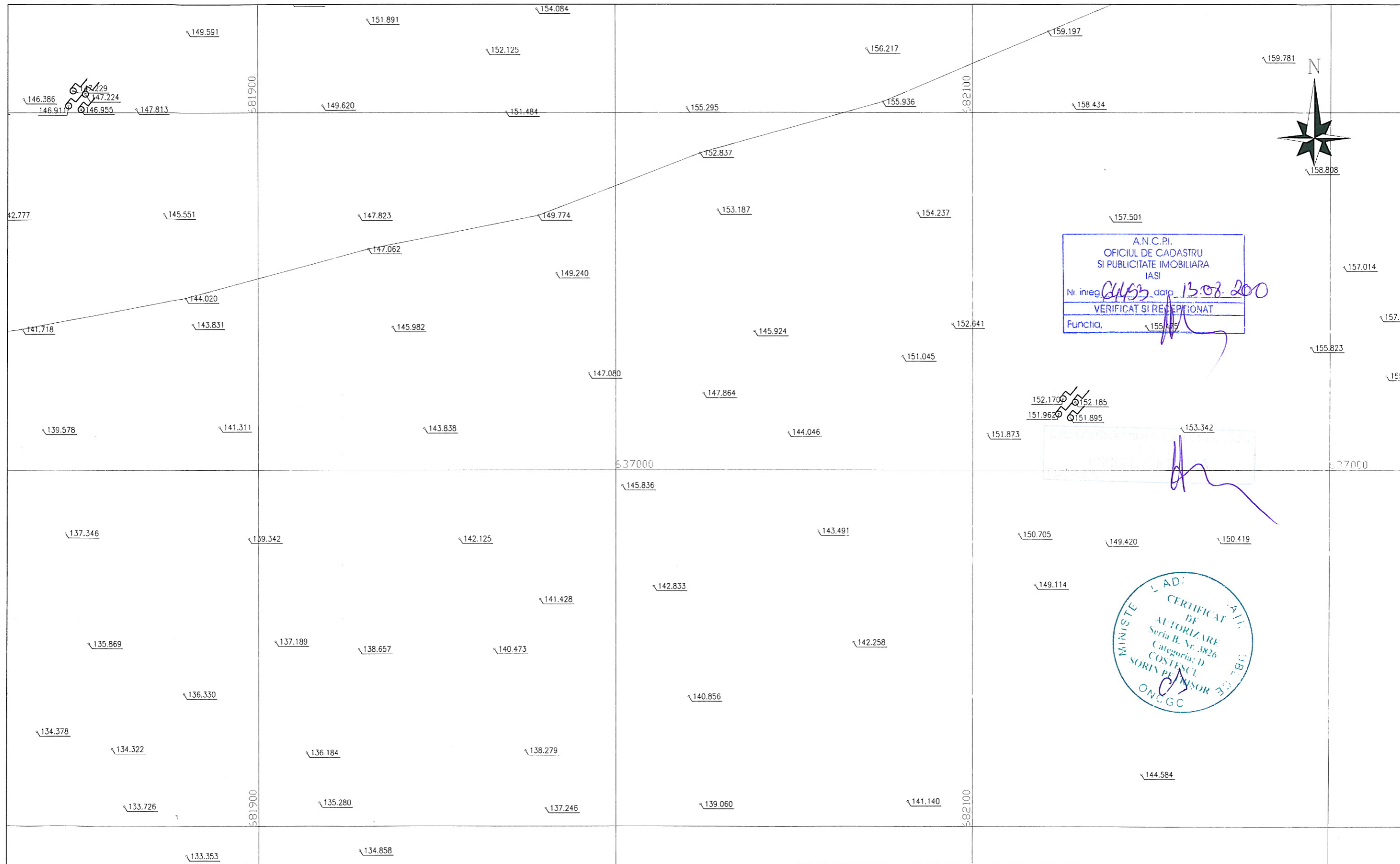
MINISTERUL TRANSPORTURILOR
 L. ADI
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 74 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 01453 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]



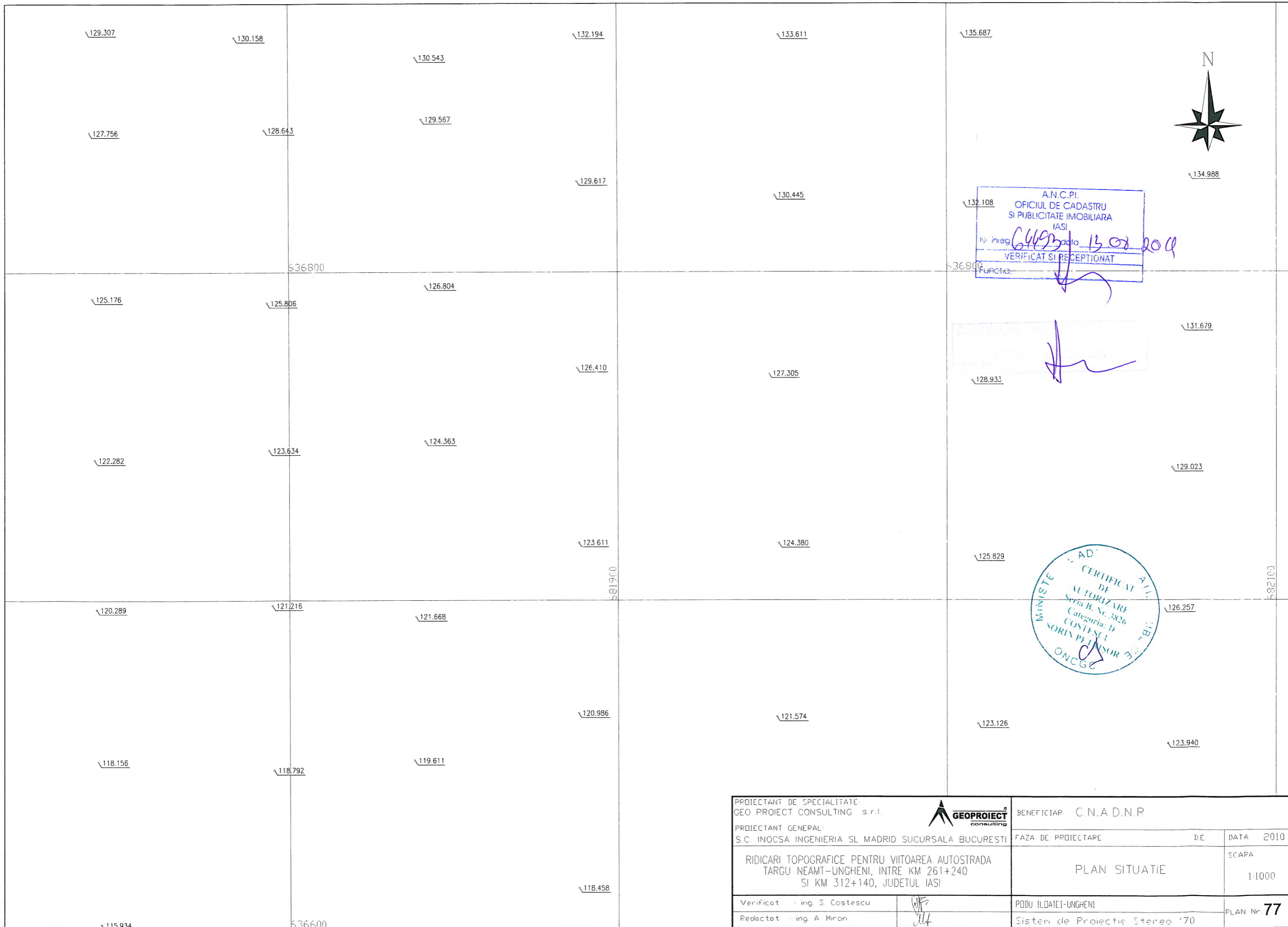
| | | | |
|--|-------------|---------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCALA 1:1000 |
| Verificat : ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 75 |
| Redactat : ing. A. Miron | [Signature] | Sistem de Proiectie Stereoa '70 | |

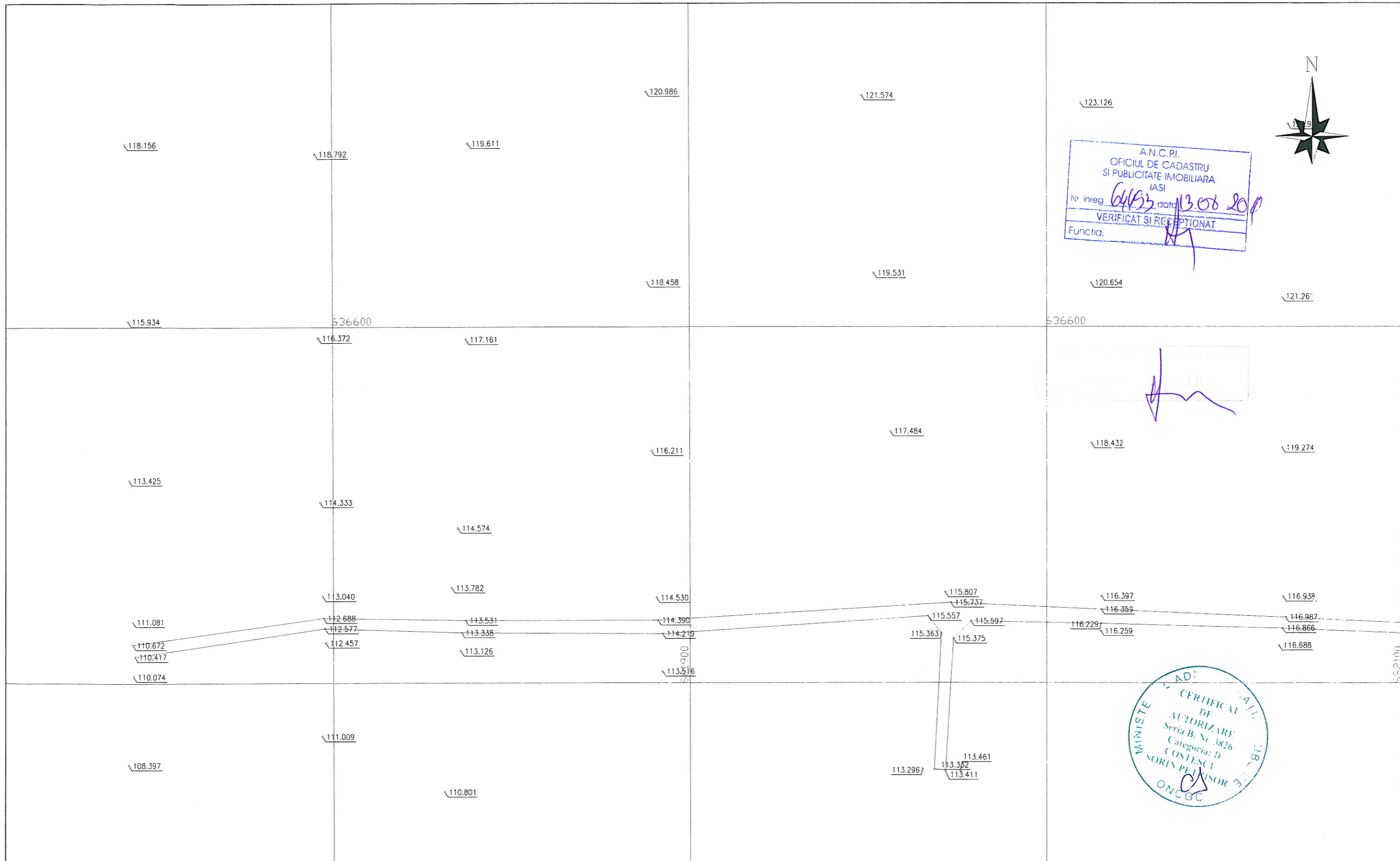


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 61453 data 13.08.2010
 VERIFICAT SI REDEPTIIONAT
 Functia, _____

MINISTERUL
 DE
 TRANSPORTURI
 SI
 CALITATE
 AD: _____
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PLINBOSOR
 ONCGC

| | | |
|--|--|---------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILOAIEI-UNGHENI |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 |
| | | PLAN Nr. 76 |

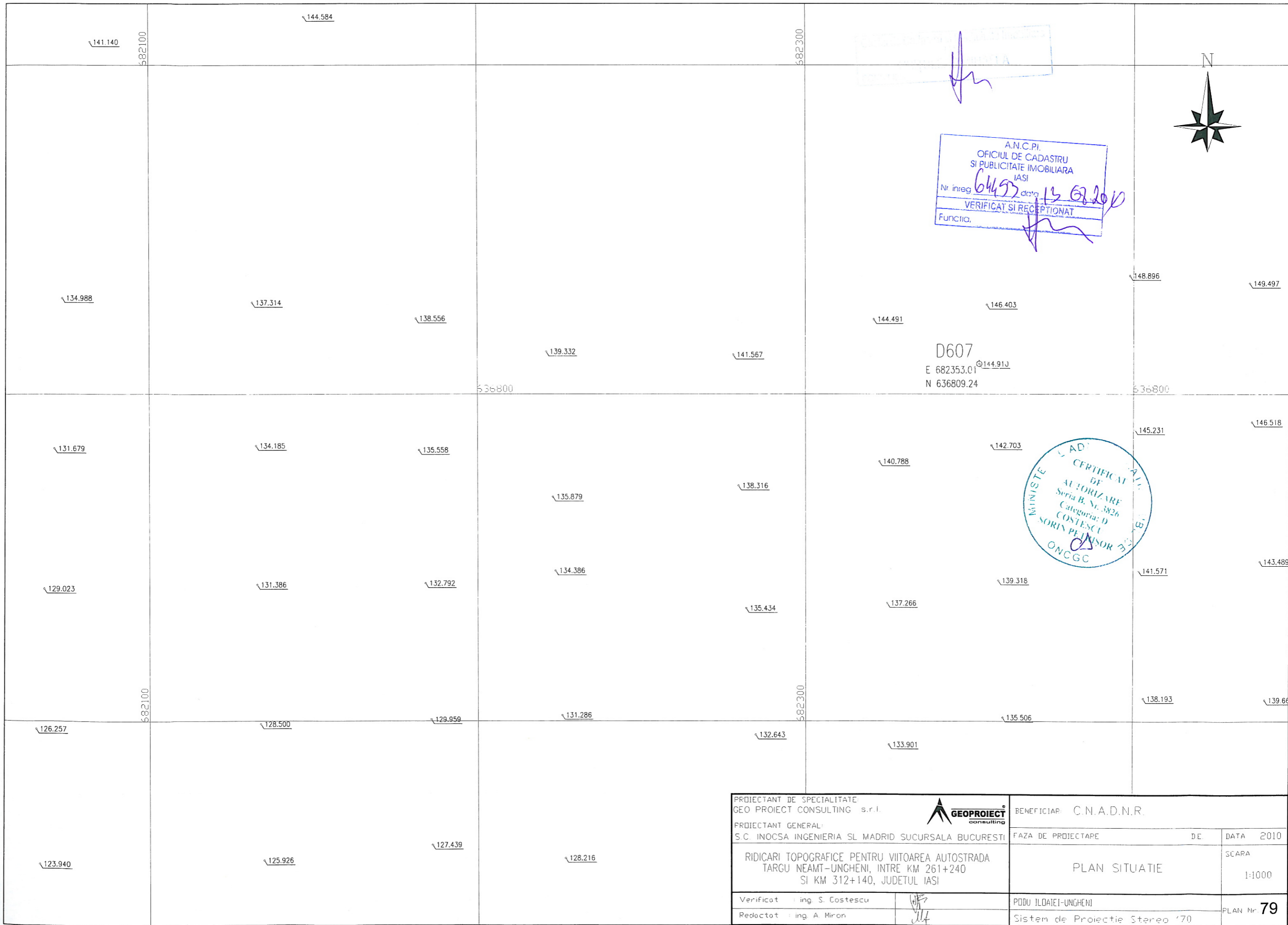




A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

MINISTERUL
 DE
 TRANSPORTURI
 SI
 INFRASTRUCTURA
 DE
 TRANSPORTURI
 PUBLICITARE
 SORIN PETRUSOR
 ONCC

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PODU ILDAIEI-UNGHENI | PLAN Nr. 78 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |



SECRET
 IAS
 13.08.2010

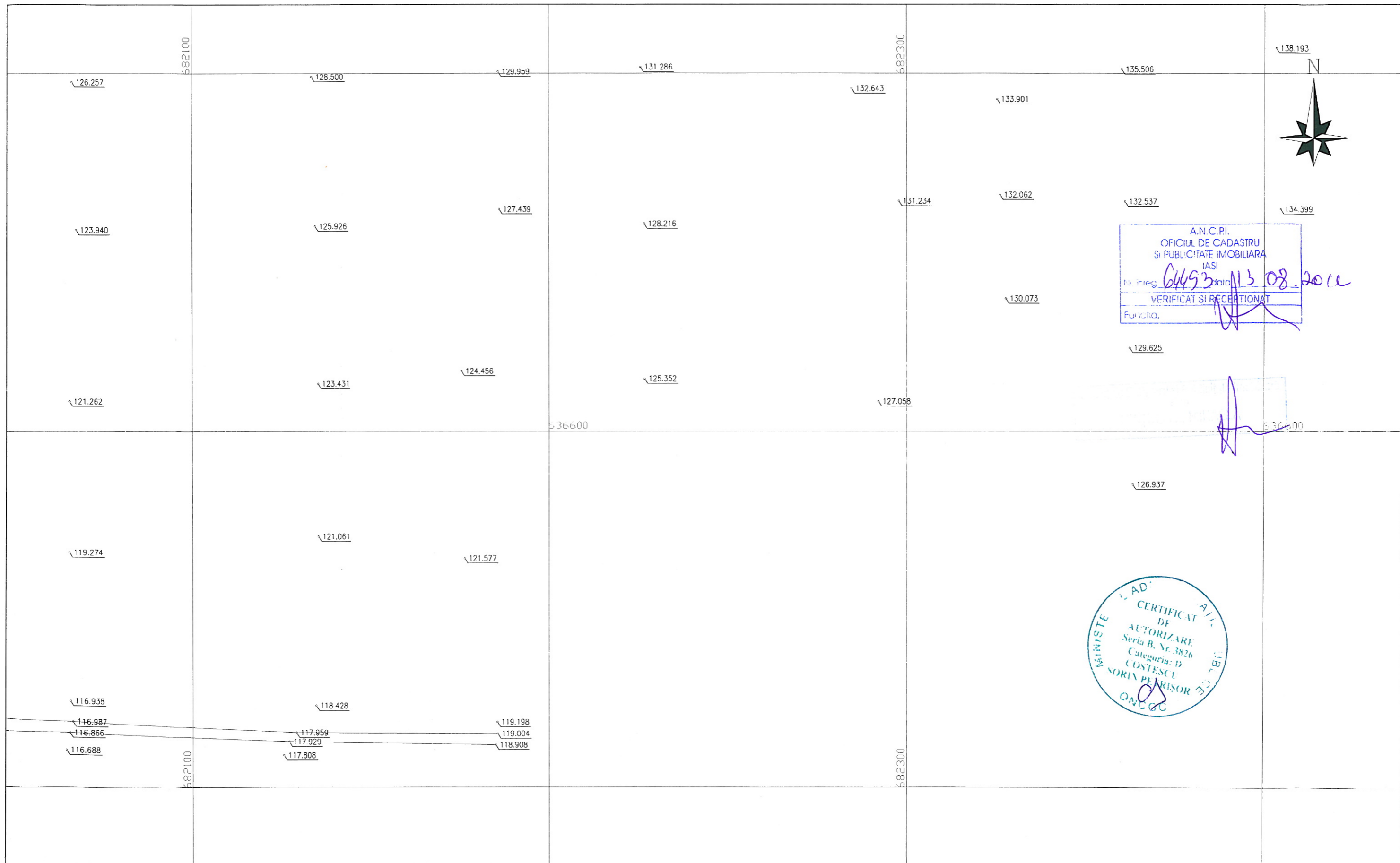
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6495 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia,



D607
 E 682353.01 @144.91J
 N 636809.24

MINISTERUL TRANSPORTURILOR
 SI CALITATEI INFRASTRUCTURII
 AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELENSOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr 79 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 13 08 2012
 VERIFICAT SI RECEPTIAT
 Funcția.

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARISOR
 ONCCG

| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 80 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 14453 data 13.08.2011
 VERIFICAT SI RECERTIONAT
 Functia, *[Signature]*

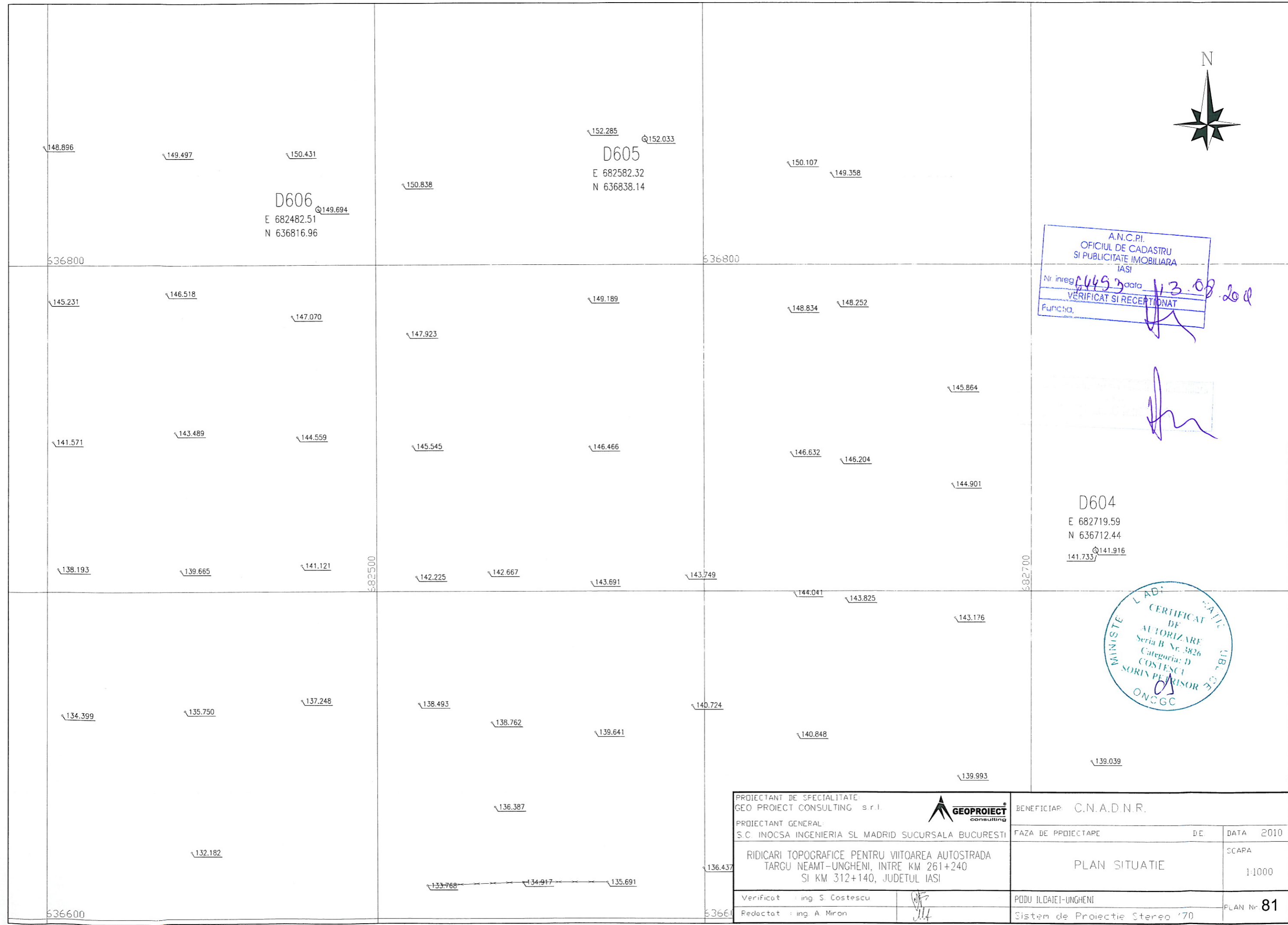
CERTIFICAT
 DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PE RISOR
 ONCGC

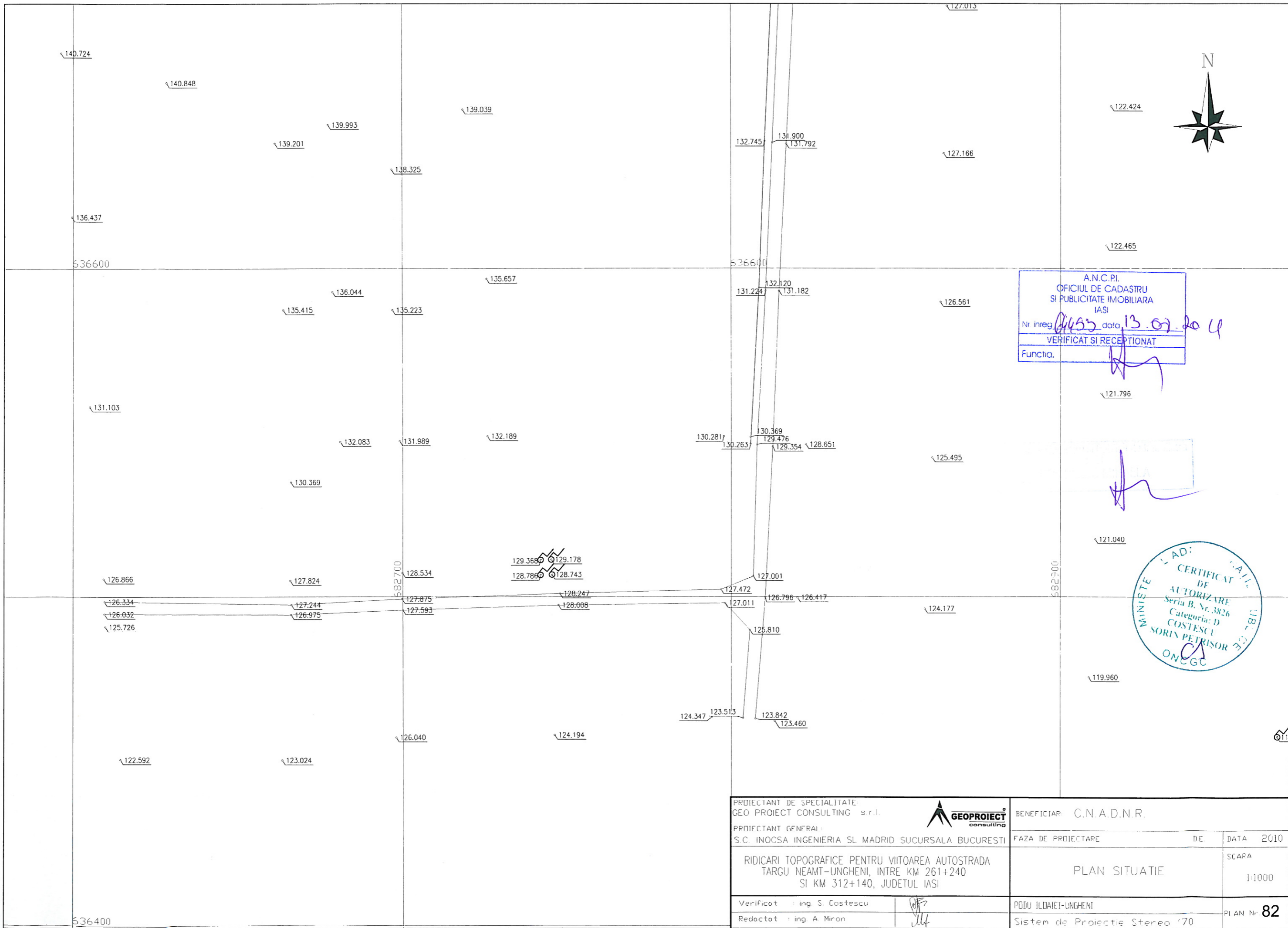
D606
 E 682482.51
 N 636816.96

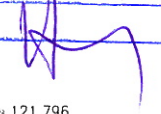
D605
 E 682582.32
 N 636838.14

D604
 E 682719.59
 N 636712.44



| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 81 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereop '70 | |

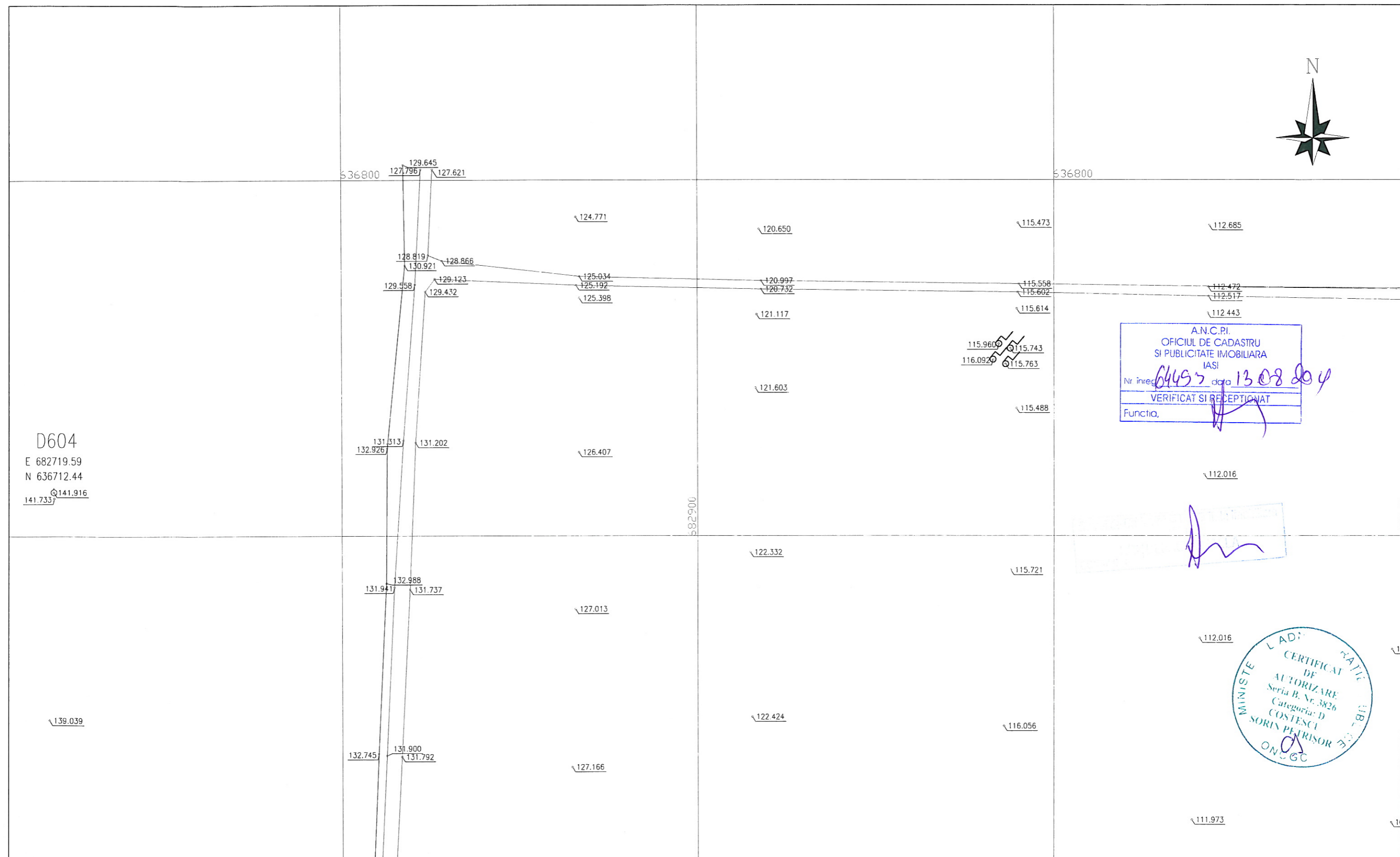




A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 0455 data 13.07.2014
 VERIFICAT SI RECEPTIONAT
 Functia. 

MINISTERUL TRANSPORTURILOR
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|---|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: ing. S. Costescu |  | PODU ILDAIEI-UNGHENI | PLAN Nr. 82 |
| Redactat: ing. A. Miron |  | Sistem de Proiectie Stereo '70 | |

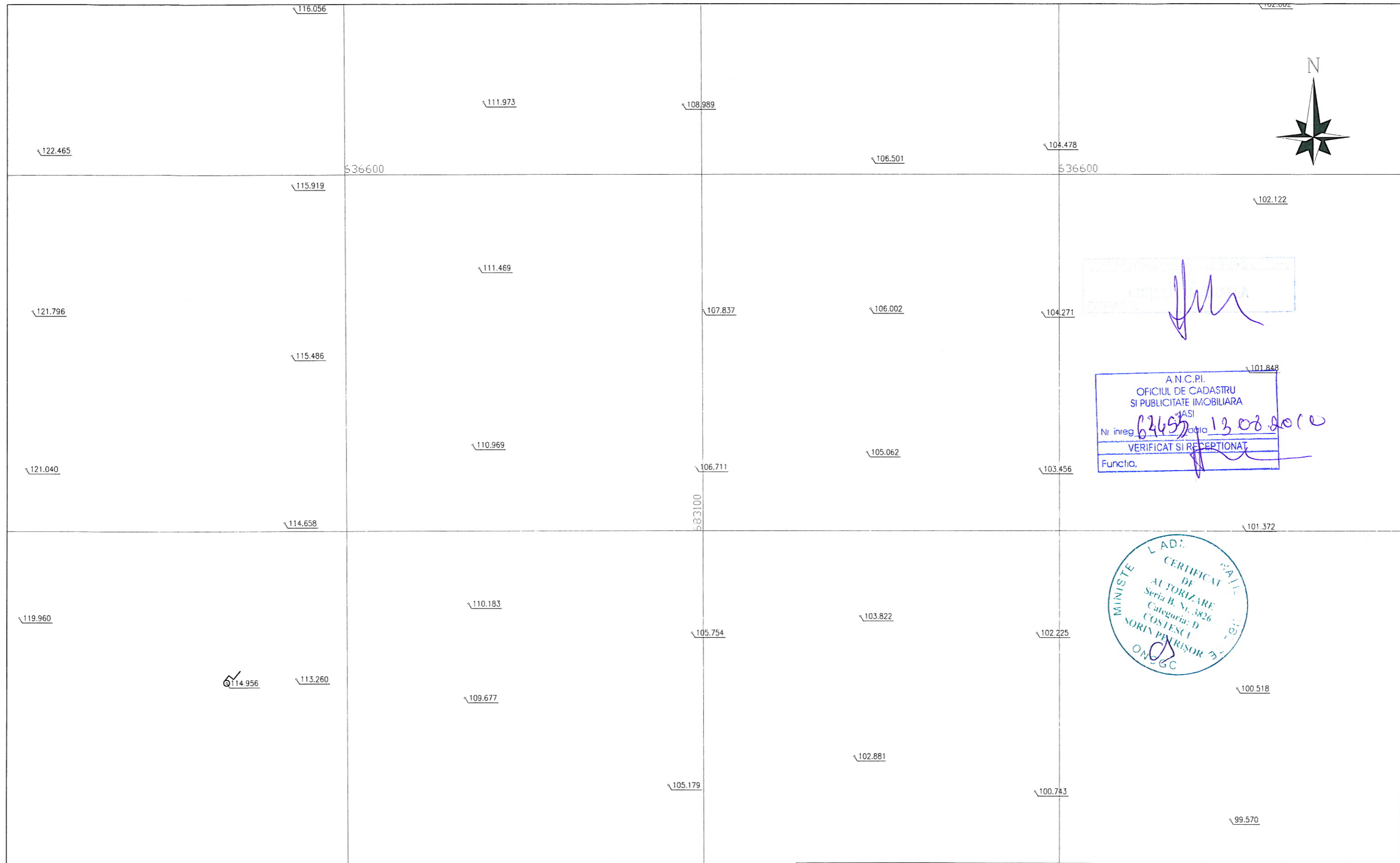



D604
E 682719.59
N 636712.44
Q141.916
141.733

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg 64457 data 13.08.2014
VERIFICAT SI RECEPTIAT
Functia, *[Signature]*





| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARCU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 83 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

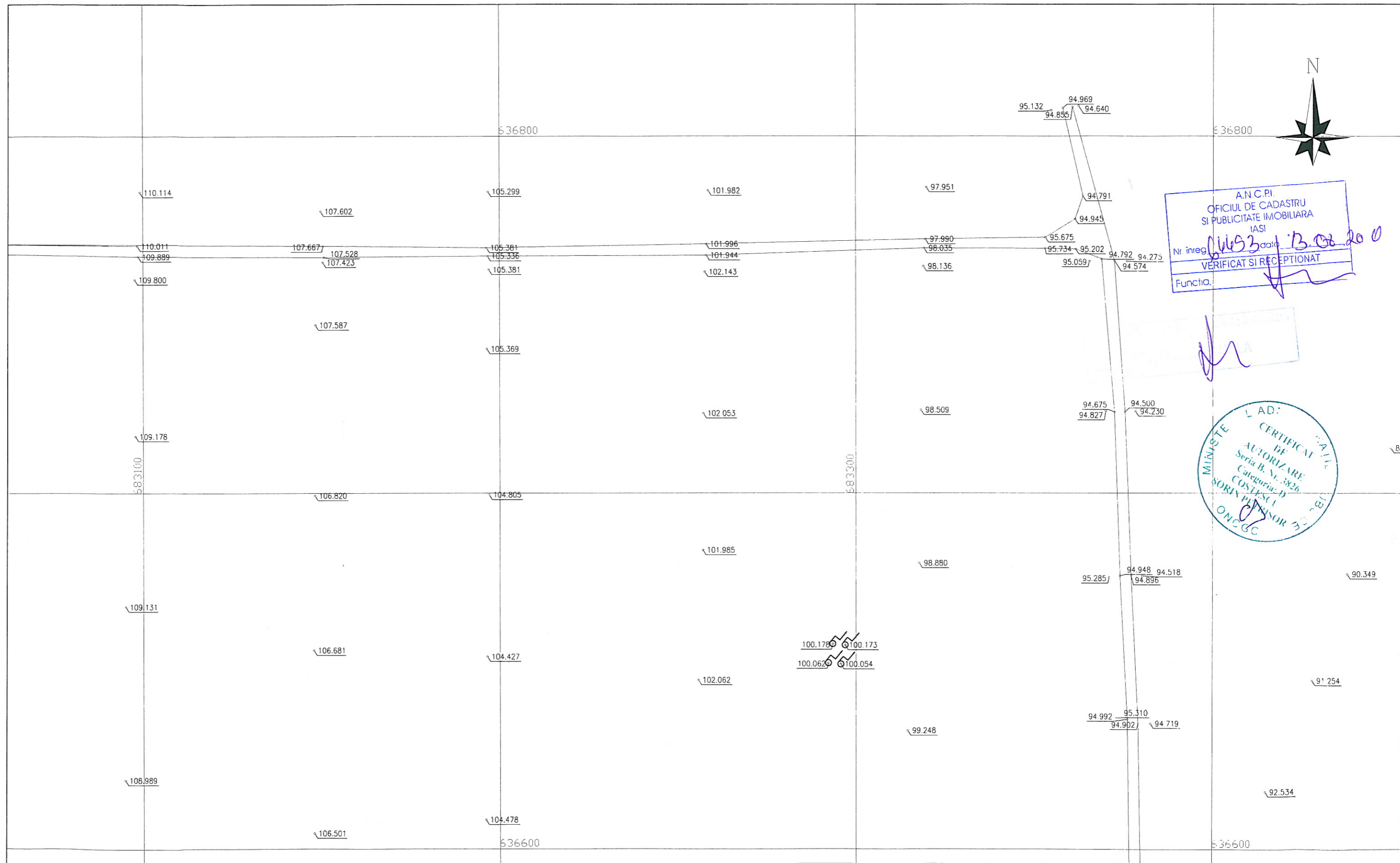



 A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 62457 data 13.08.2010
 VERIFICAT SI RECEPTAT
 Functia. _____

L. ADI. CALI
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PENRISOR DE
 ONO GC

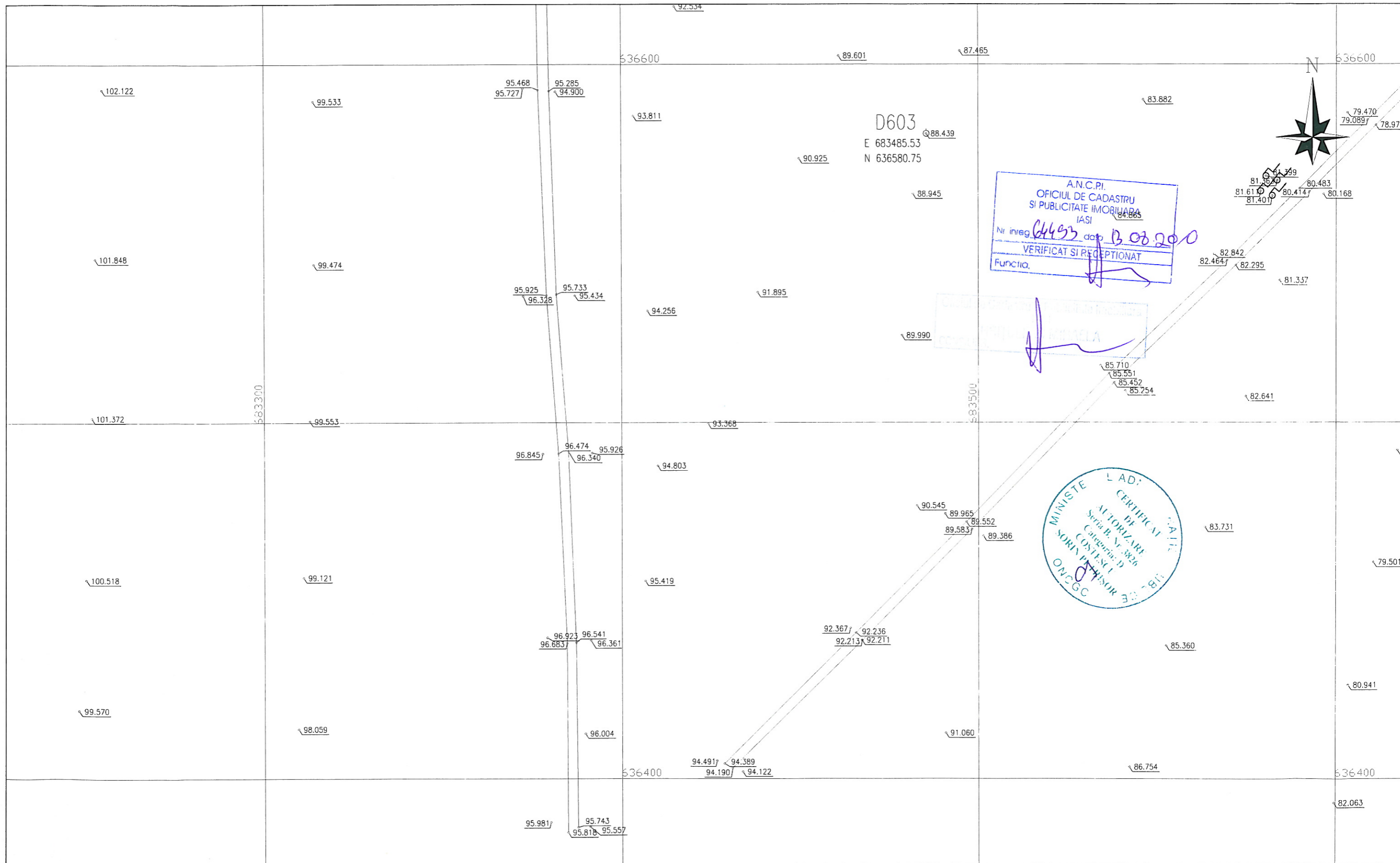
| | | | |
|--|---|--------------------------------|-------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTAPE | DE: _____ DATA: 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE SCALA: 1:1000 | |
| Verificat: ing. S. Costescu |  | PODU ILODAIEI-UNGHENI | |
| Redactat: ing. A. Miron |  | Sistem de Proiectie Stereo '70 | |
| | | PLAN Nr. 84 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 11653 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functio. *[Signature]*

MINISTERUL
 L. AD: CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3836
 Categoria: B
 COSTESCU
 SORIN PETRUSOR
 C.N.C.G.C.

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 85 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg *64493* data *13.08.2010*
 VERIFICAT SI RECEPTIONAT
 Funcția:



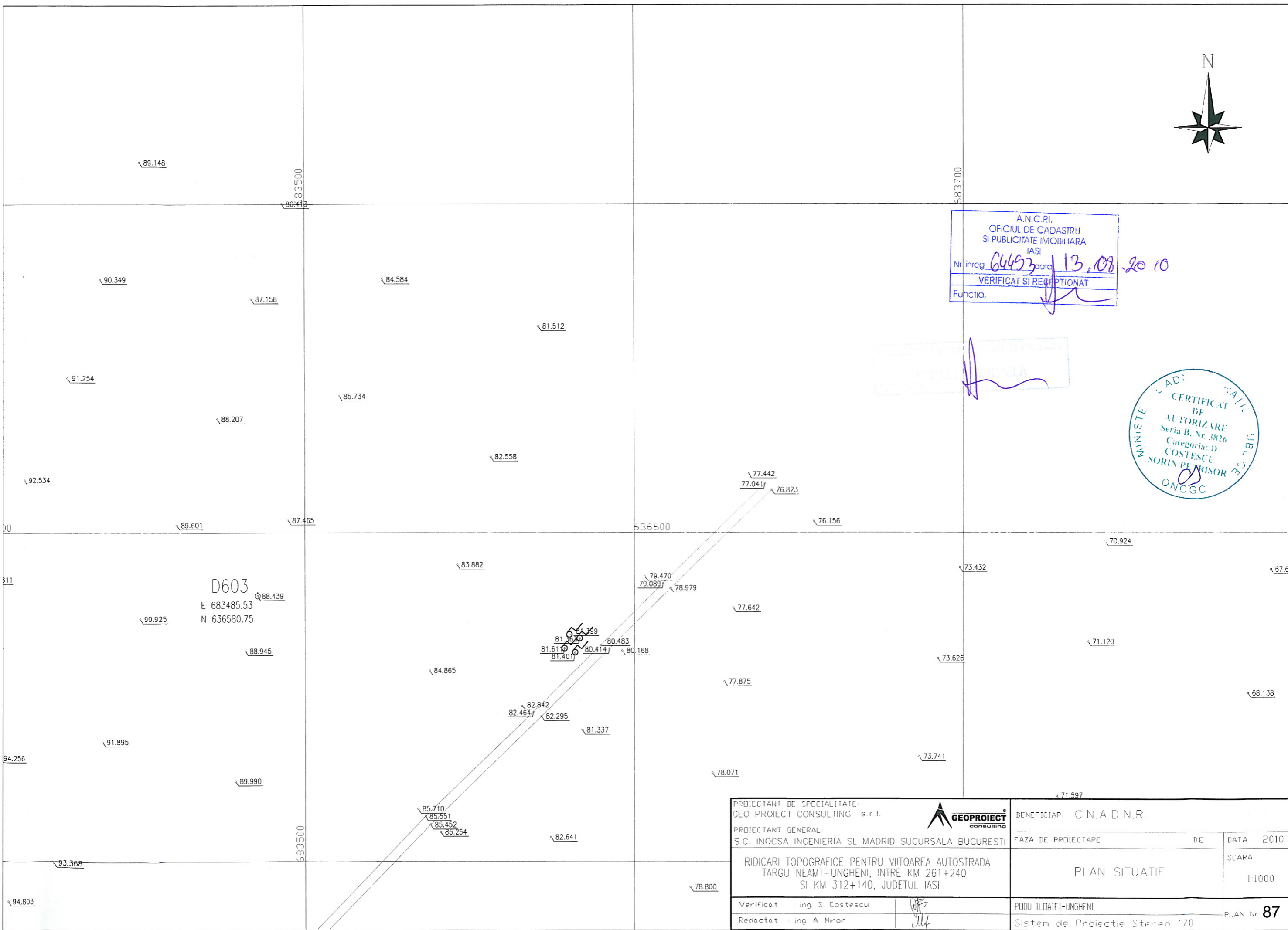
| | | | |
|--|--|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETELUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 86 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



[Faint stamp and signature]



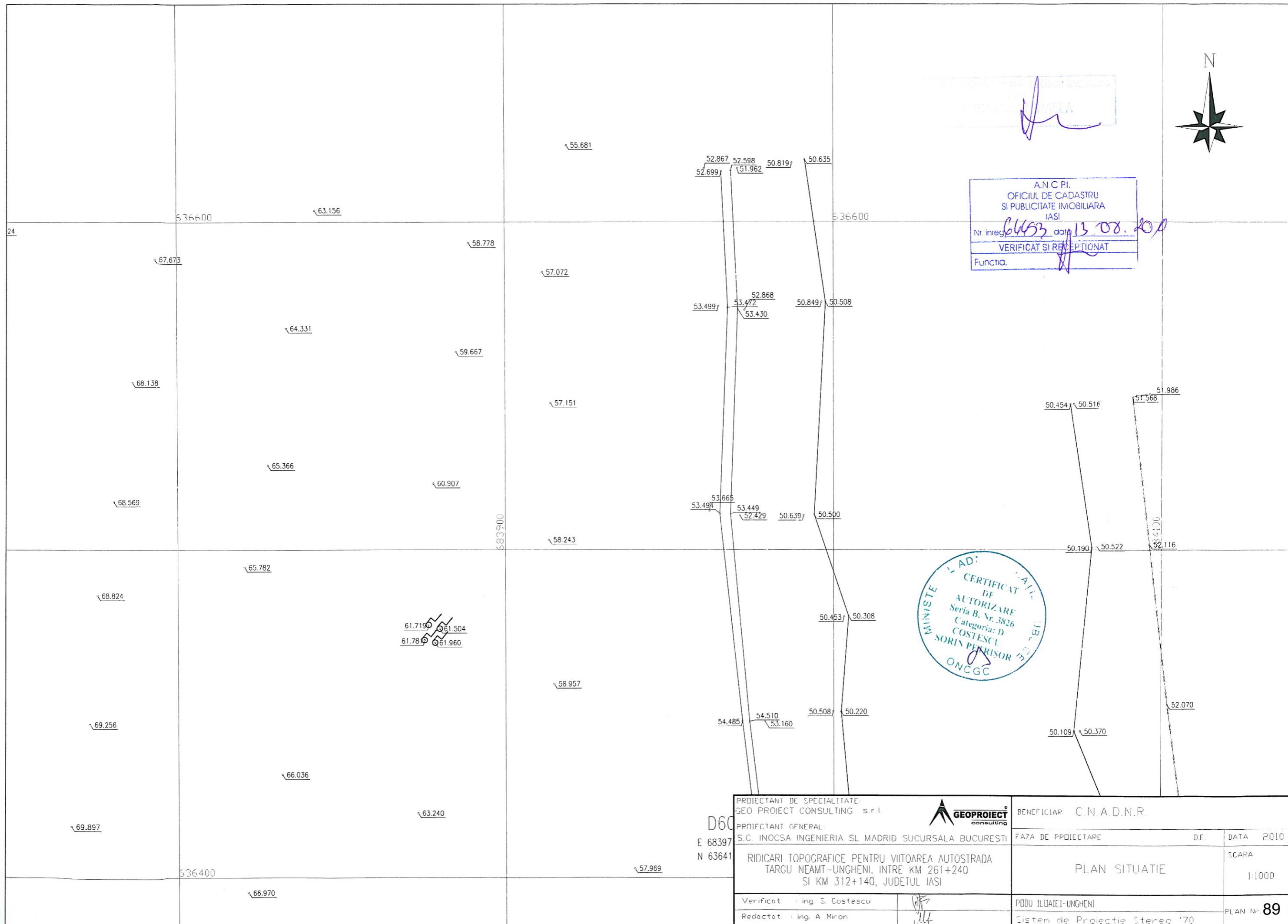
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILOATEI-UNGHENI | PLAN Nr. 87 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 6493 data 13.08.200
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERE L. AD. I. AIL. I. B. C. E.
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEANSOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 88 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



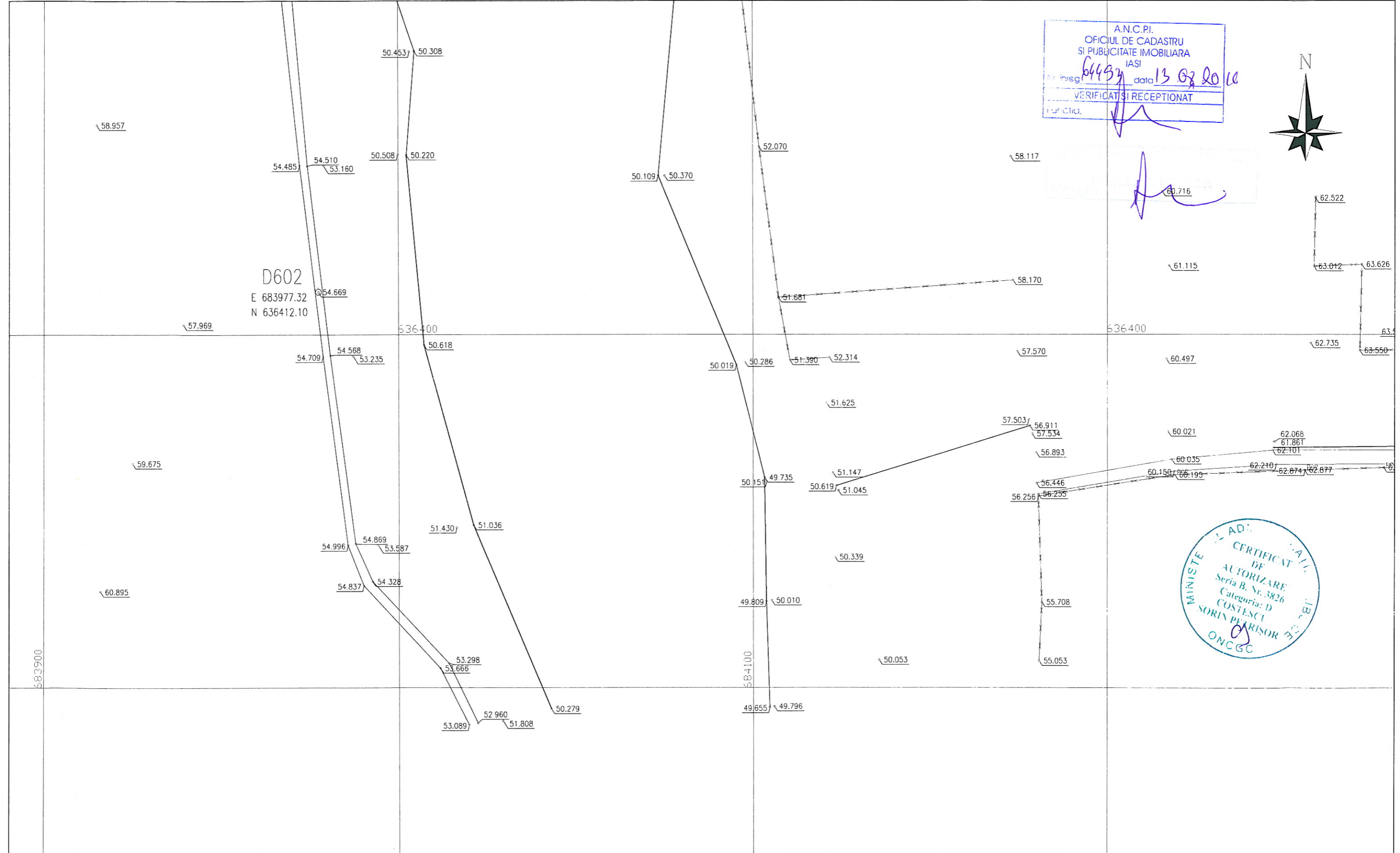
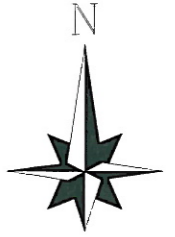
REDACTED SIGNATURE AND STAMP

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

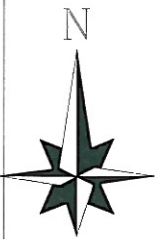
MINISTERUL INFRASTRUCTURII ȘI TRANSPORTURILOR
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PERRISOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| D60 E 68397 N 63641 | | PLAN SITUATIE | |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | Sistem de Proiectie Stereo '70 | PLAN Nr. 89 |
| Redactat : ing. A. Miron | | | |

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.02.2016
 VERIFICAT SI RECEPTIONAT
 Funcția:



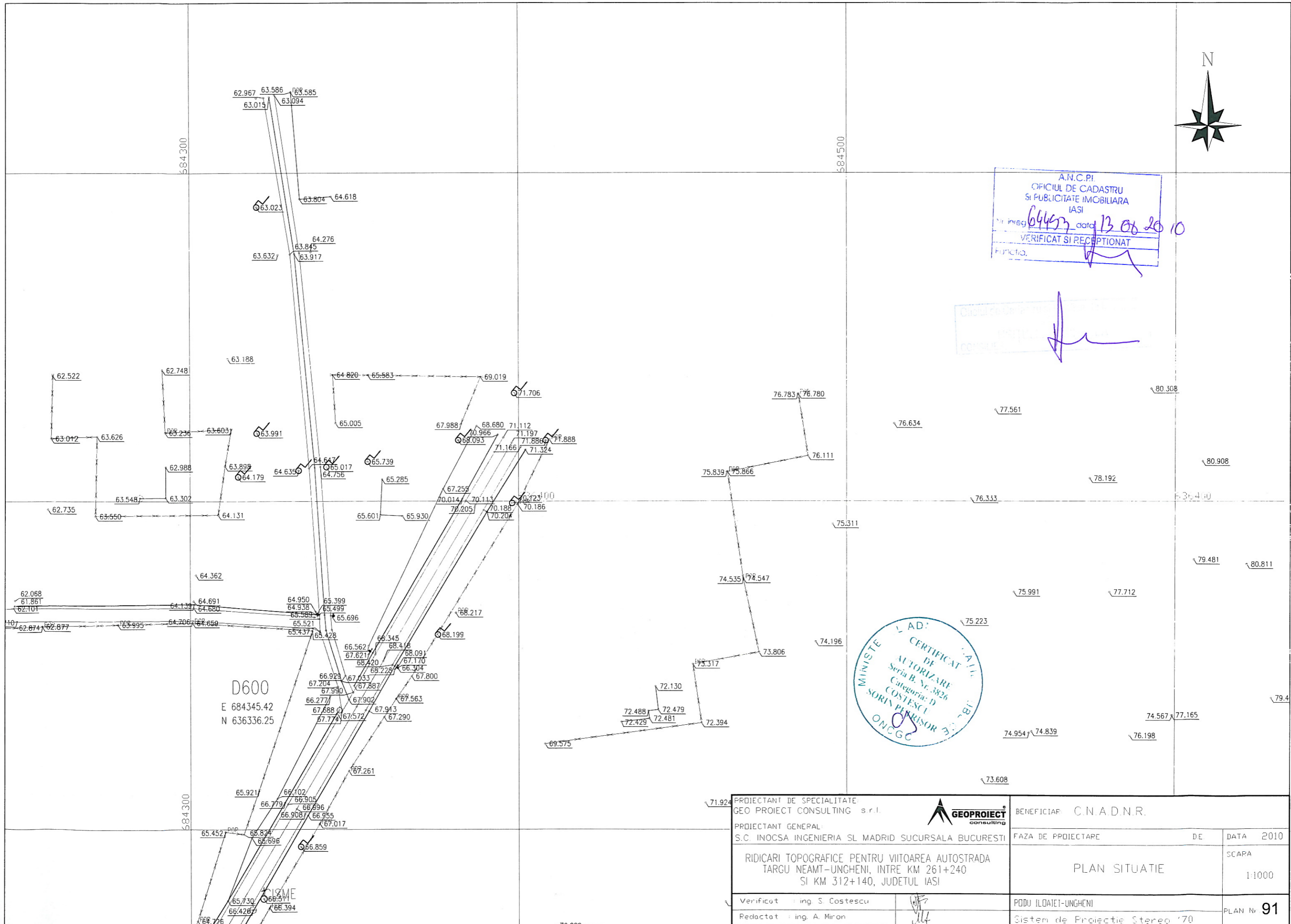
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 90 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



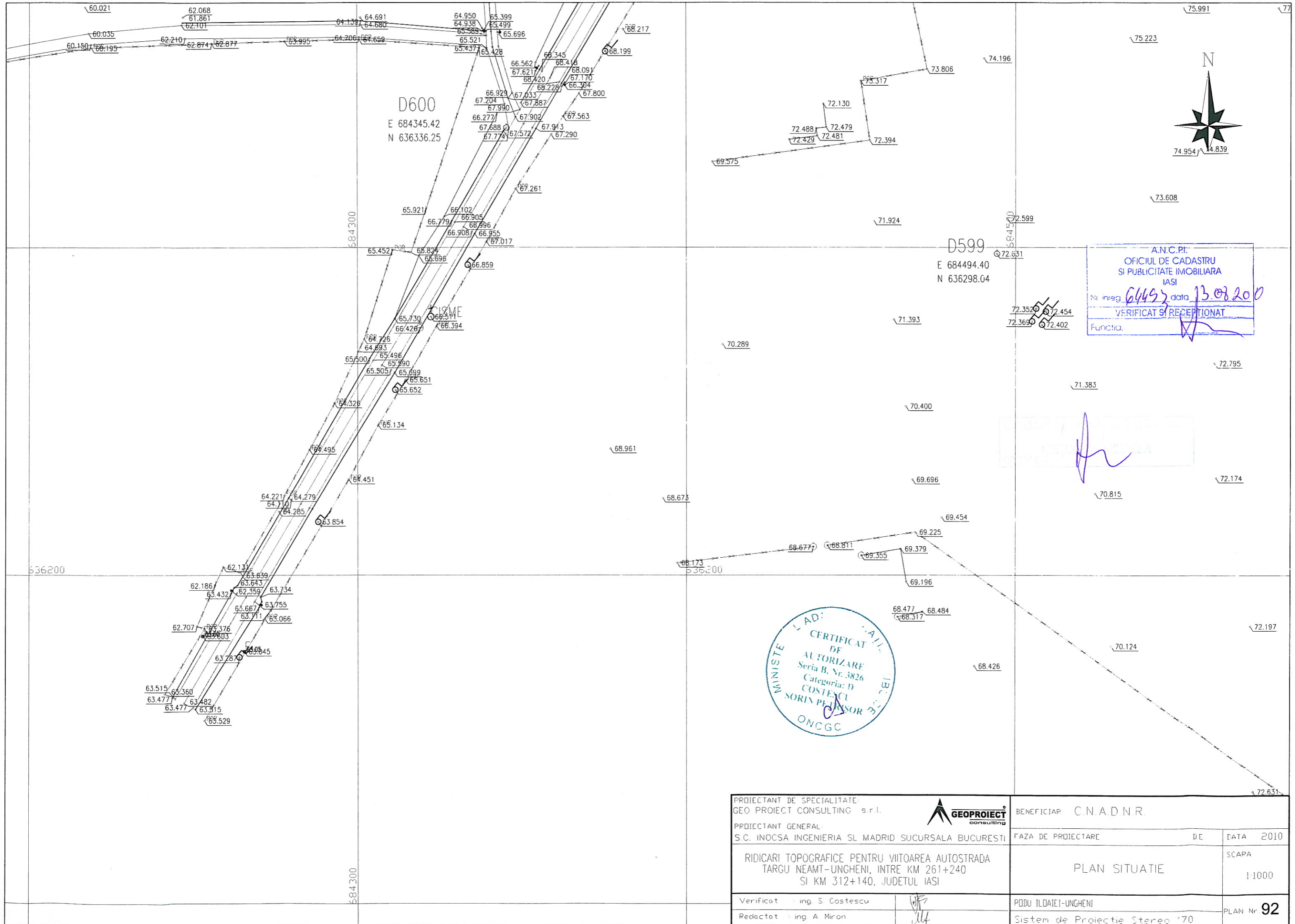
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64457 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia.

CIRCUIT DE PROIECTARE
 PROIECTANT GENERAL
 CONSULE

AD: 18.11.11
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERRISOR
 ONCGO



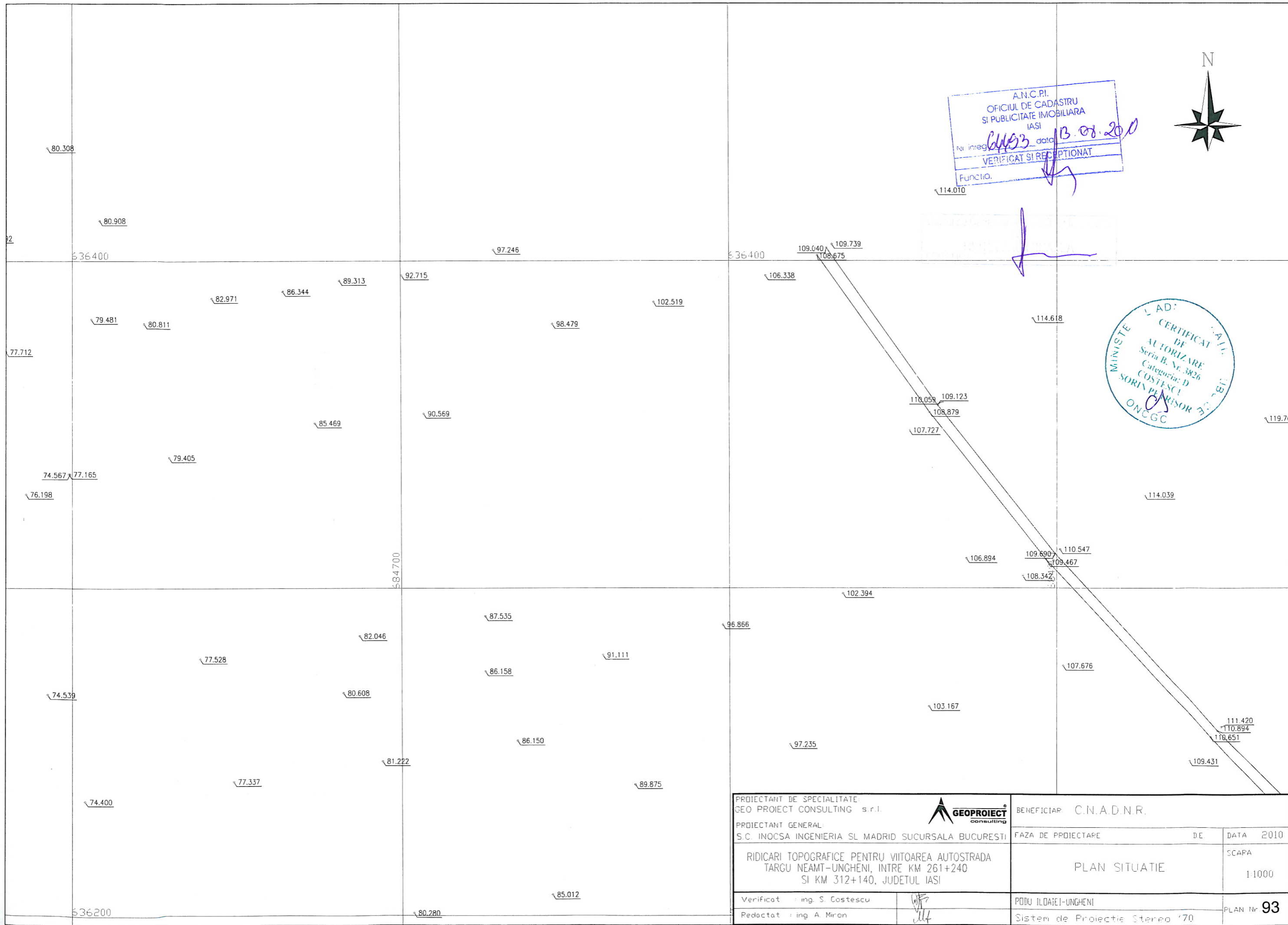
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat: ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCAPA 1:1000 |
| Redactat: ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 91 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64452 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

MINISTERUL TRANSPORTURILOR SI INFRASTRUCTURII
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU SORIN PELENSOR
 ONCGC

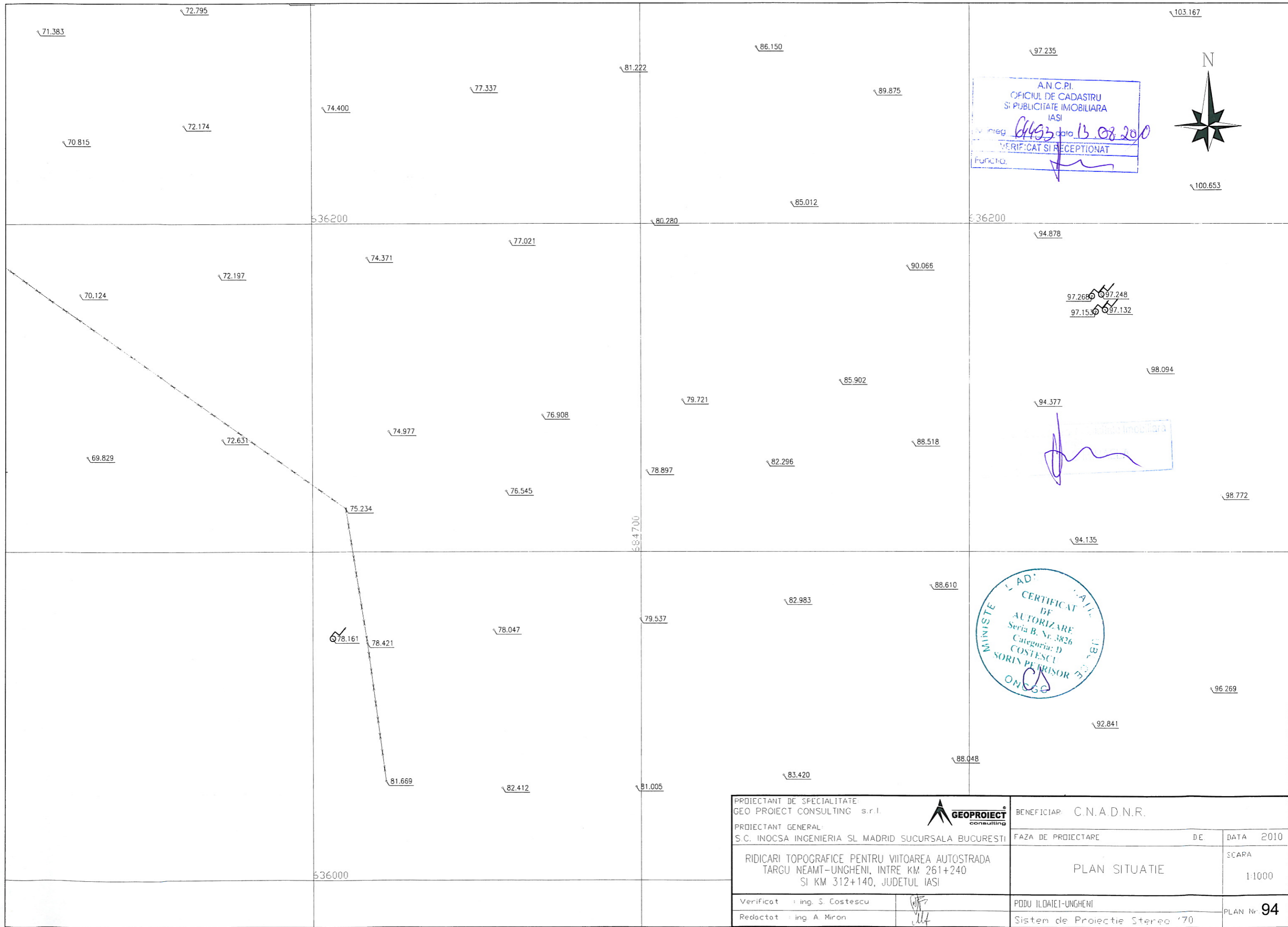
| | | | |
|---|-------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat: Ing. S. Costescu | [Signature] | PODU ILODAIEI-UNGHENI | PLAN Nr. 92 |
| Redactat: Ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | |




A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERESOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 93 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |





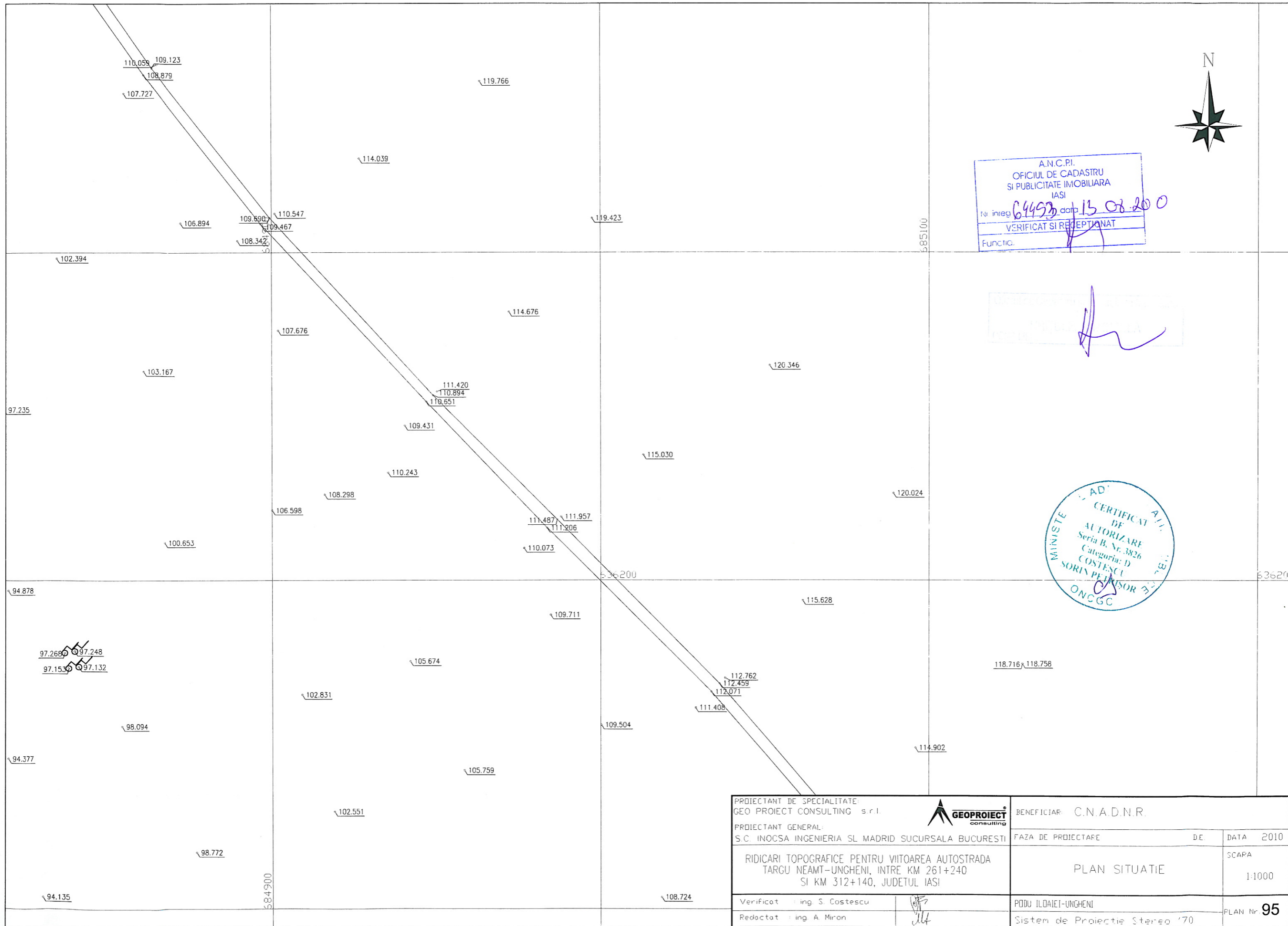
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Inreg. 6493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. 




 Publicitate Imobiliara

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEHRISOR
 ON SGG

| | | | |
|--|---|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu |  | PODU ILOAIEI-UNGHENI | PLAN Nr. 94 |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | |

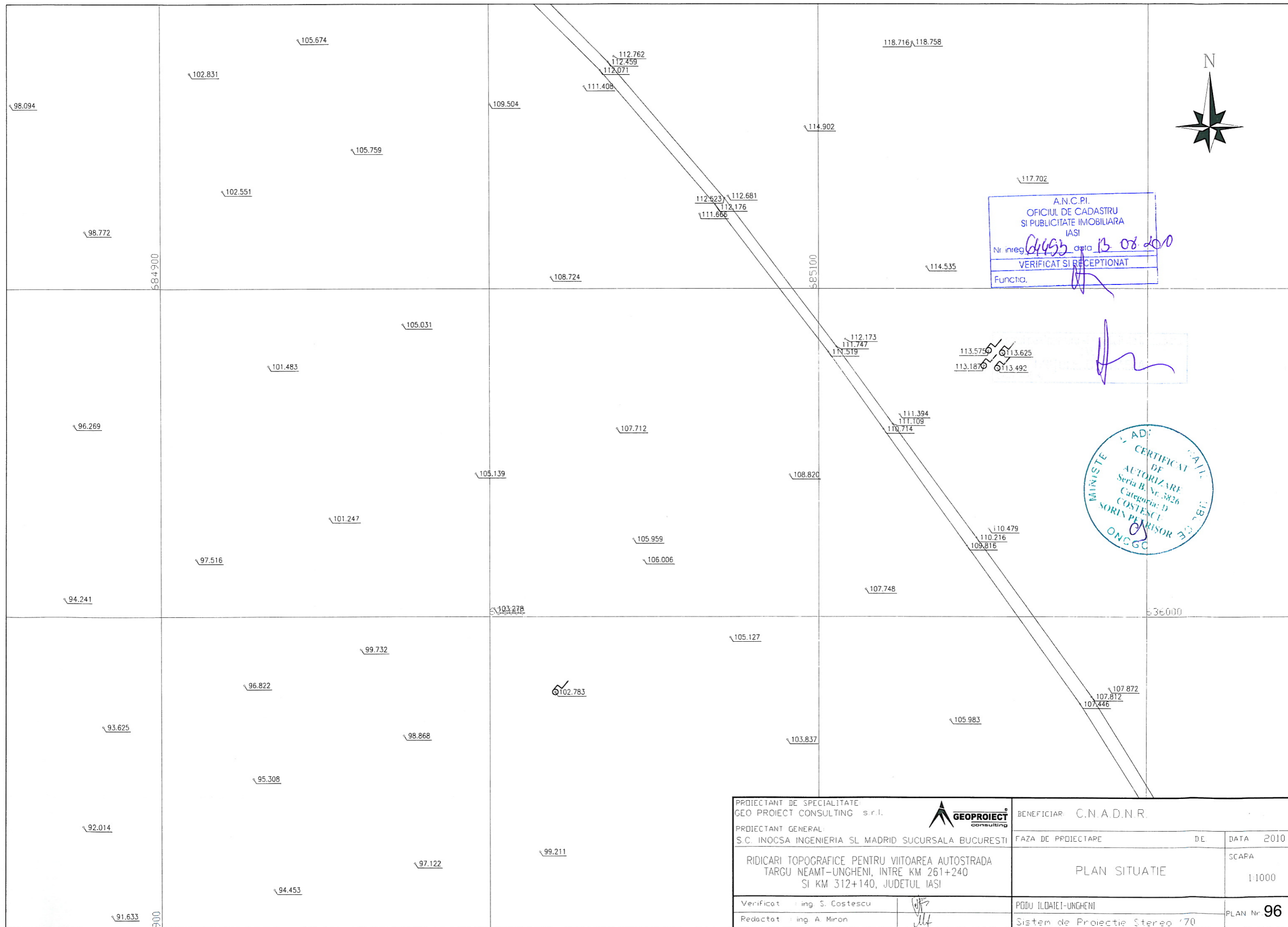


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia.

[Handwritten signature]

AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELENSOR
 ONCGC

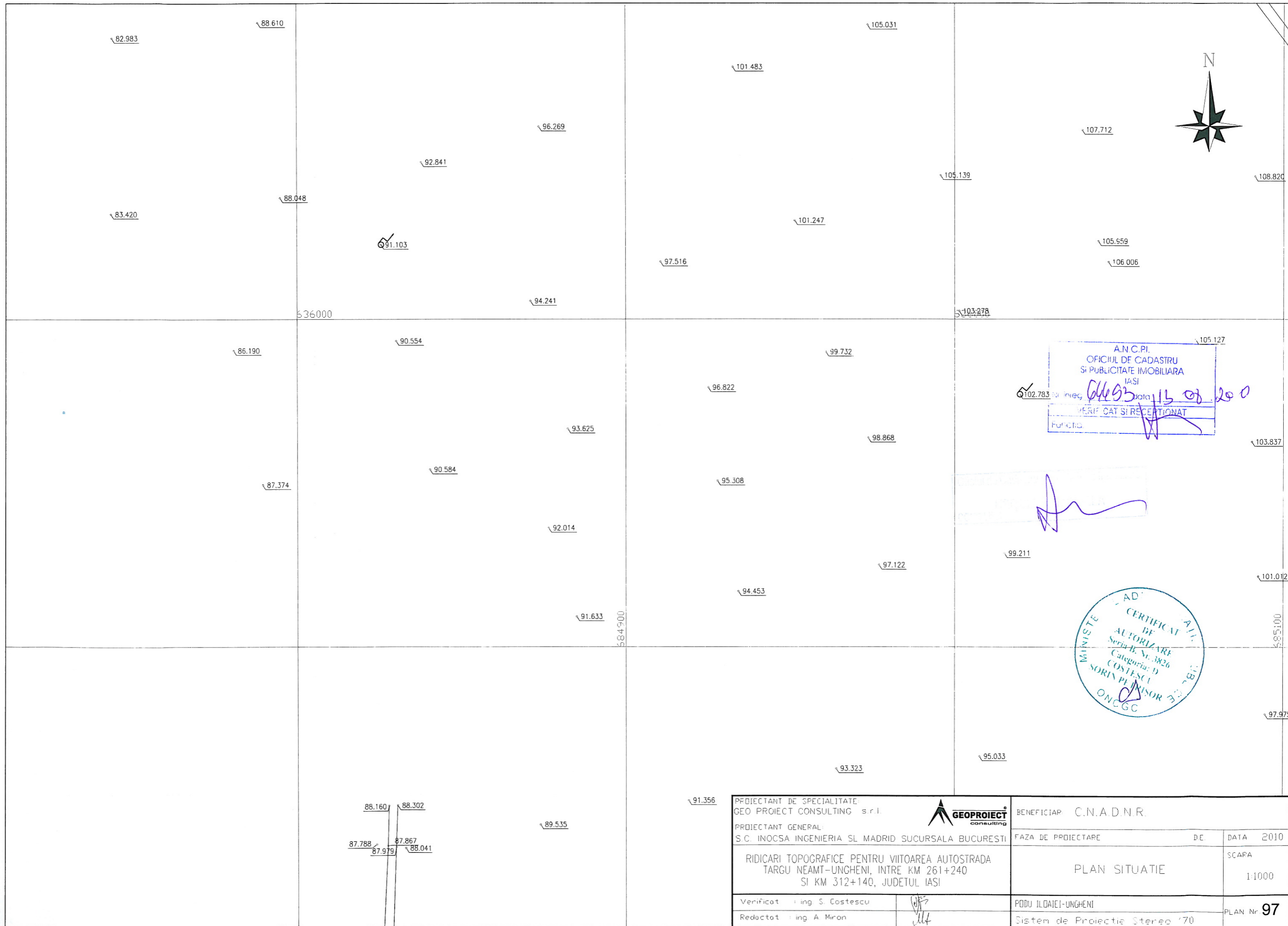
| | | | |
|--|--------------------|---------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 95 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



| | | | |
|--|--------------------|---------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDATEI-UNGHENI | PLAN Nr. 96 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |

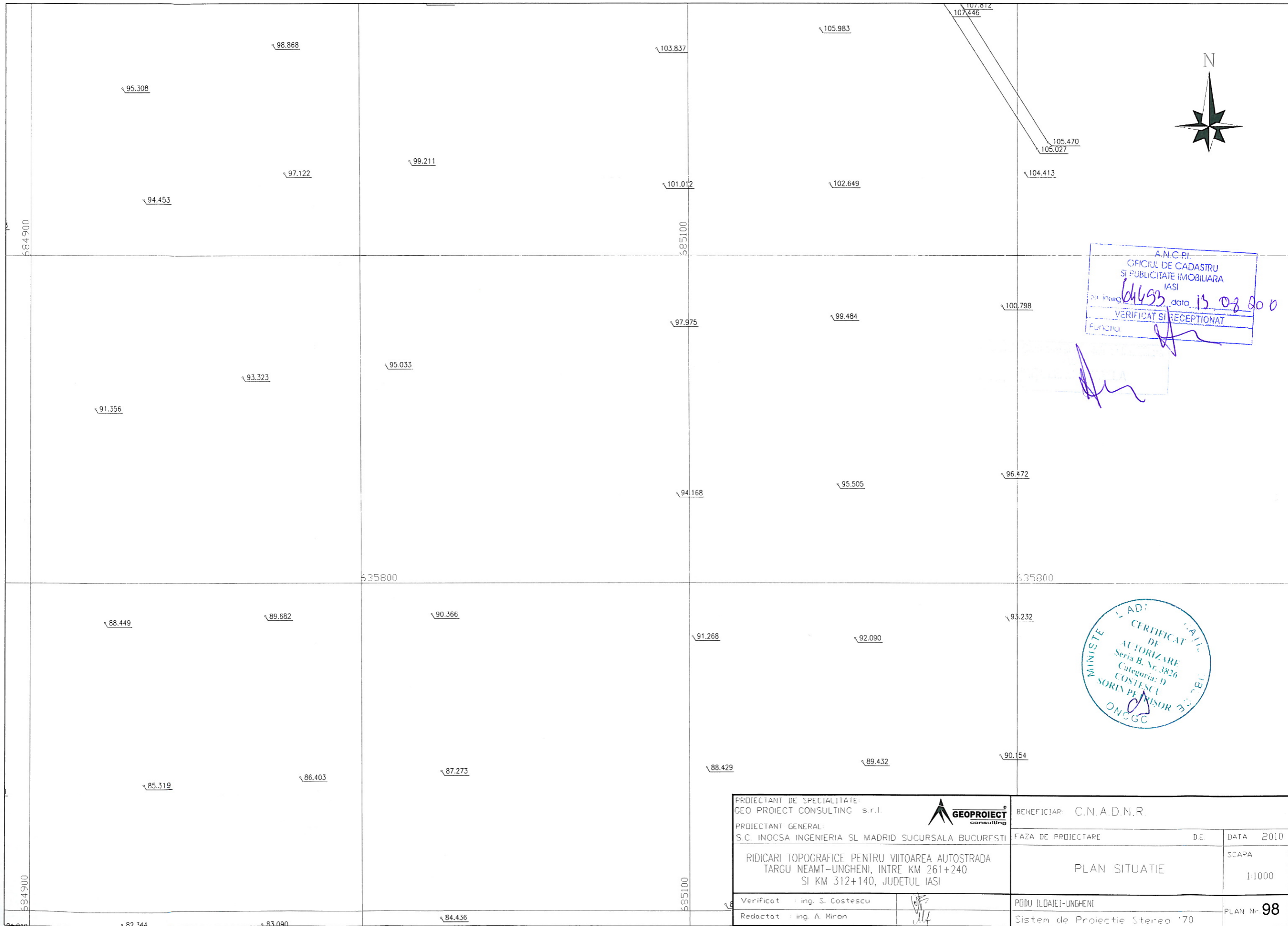


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 VERIFICAT SI RECEPTIONAT
 Functia: _____
 Data: 15.08.2010

[Handwritten signature]

AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEVISOR
 ONCGC

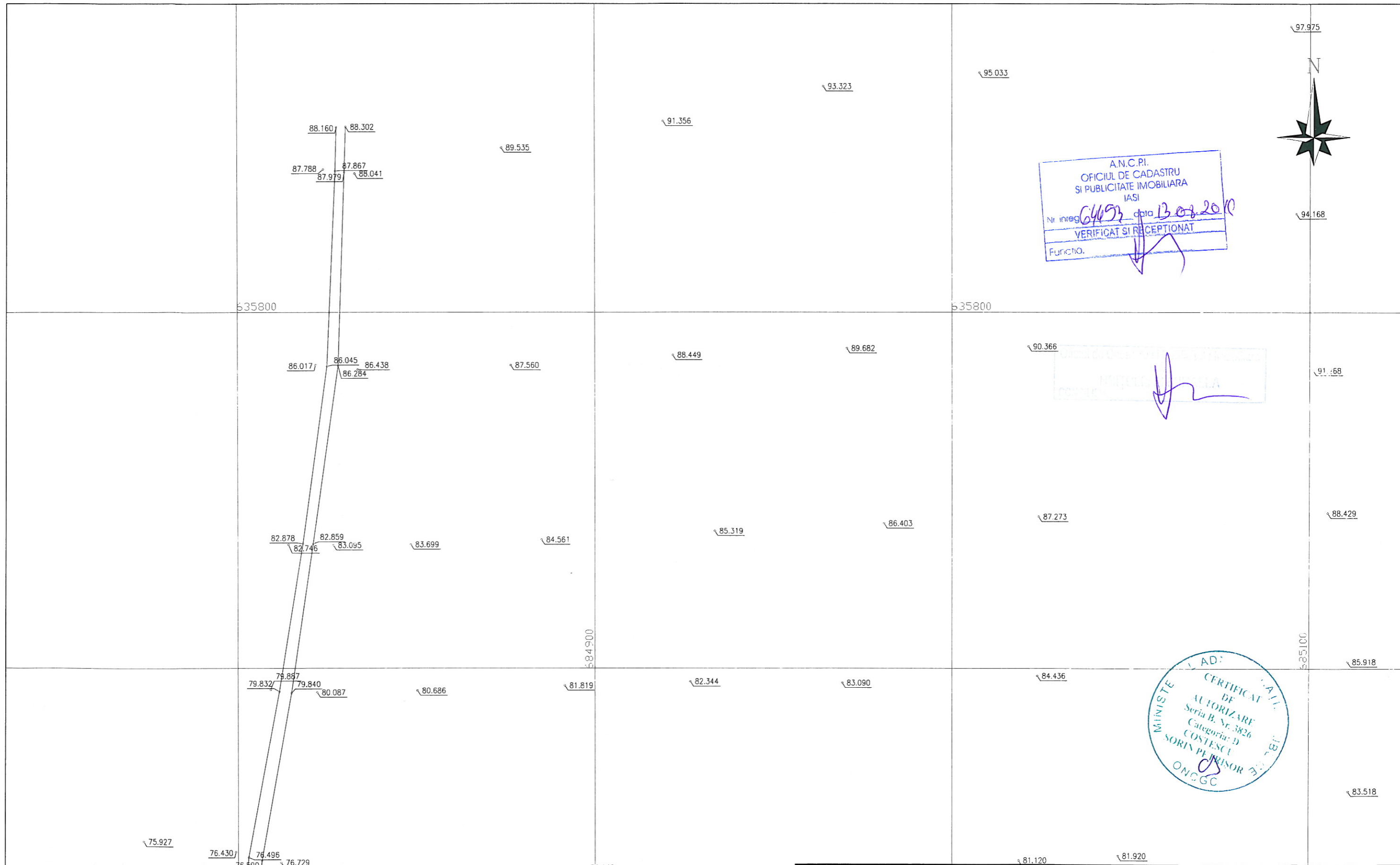
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 97 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64653 data 15 02 2010
 VERIFICAT SI RECEPTIONAT
 Funcția _____


MINISTERUL INFRASTRUCTURII
 AD: CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERISOR
 ONGGC



| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILODAIEI-UNGHENI | PLAN Nr. 98 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

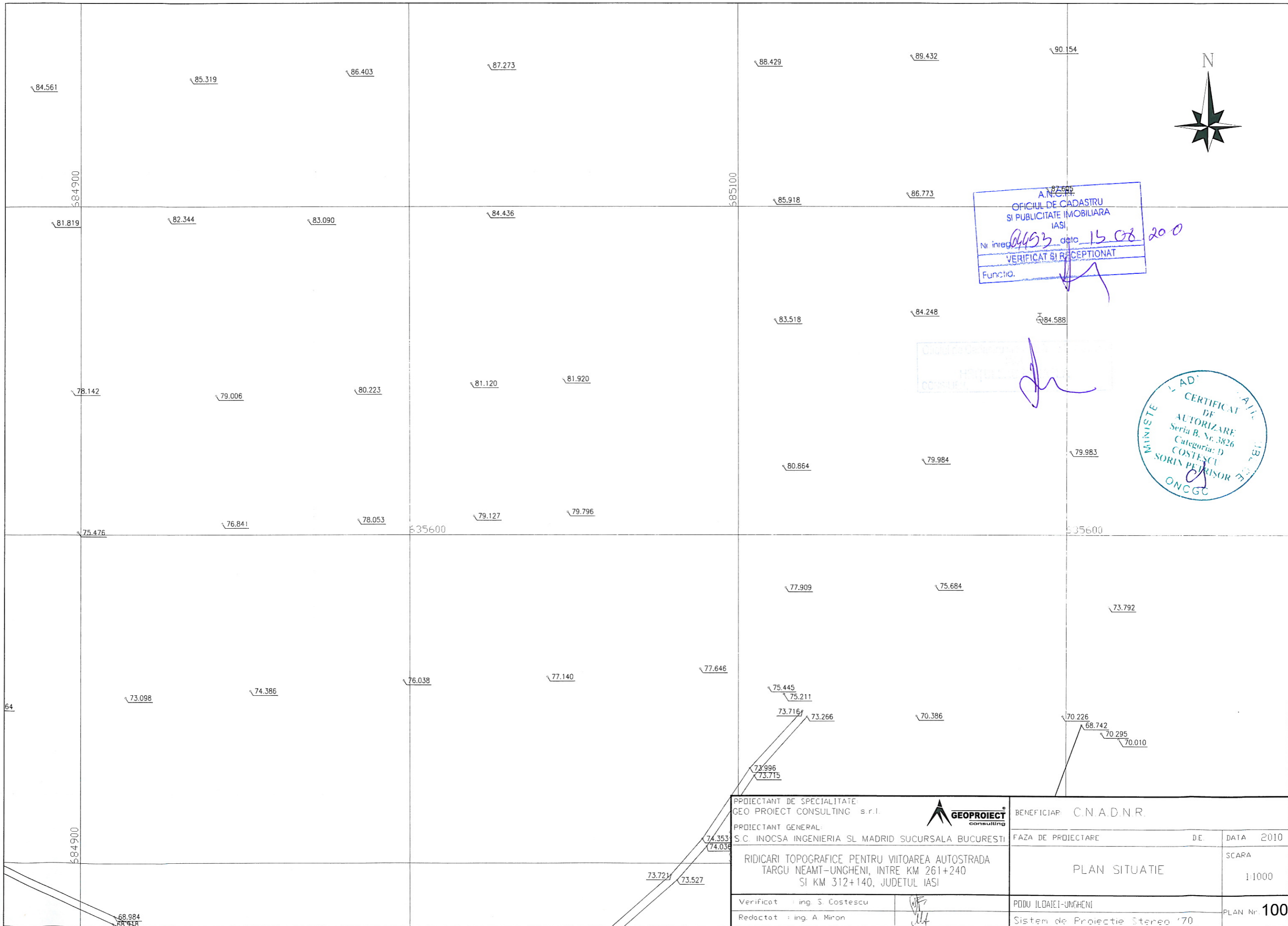


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 64453 data 13.02.2010
 VERIFICAT SI RECEPTIONAT
 Functia. 



AD: 
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 5826
 Categoria: D
 COSTESCU
 SORIN PEIRISOR
 ON:GC

| | | | |
|--|---|--------------------------------|--------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu |  | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | PLAN Nr. 99 |

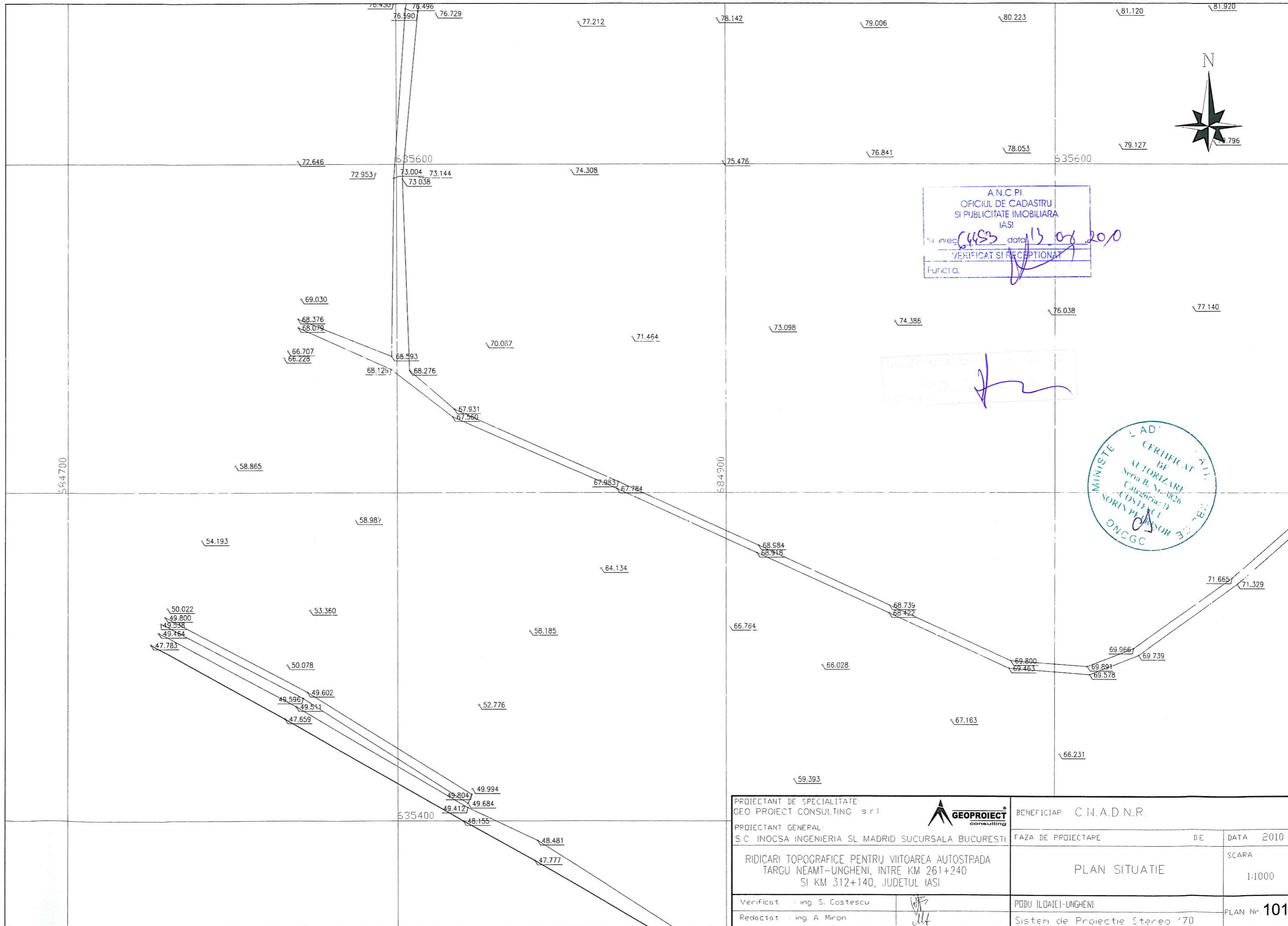


A.N.C.P.P.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 0493 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

C. I. I. I. I.
 CONSULTING
[Signature]

MINISTERUL AD. I. I. I. I. I.
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEABRISOR
 ONCGC

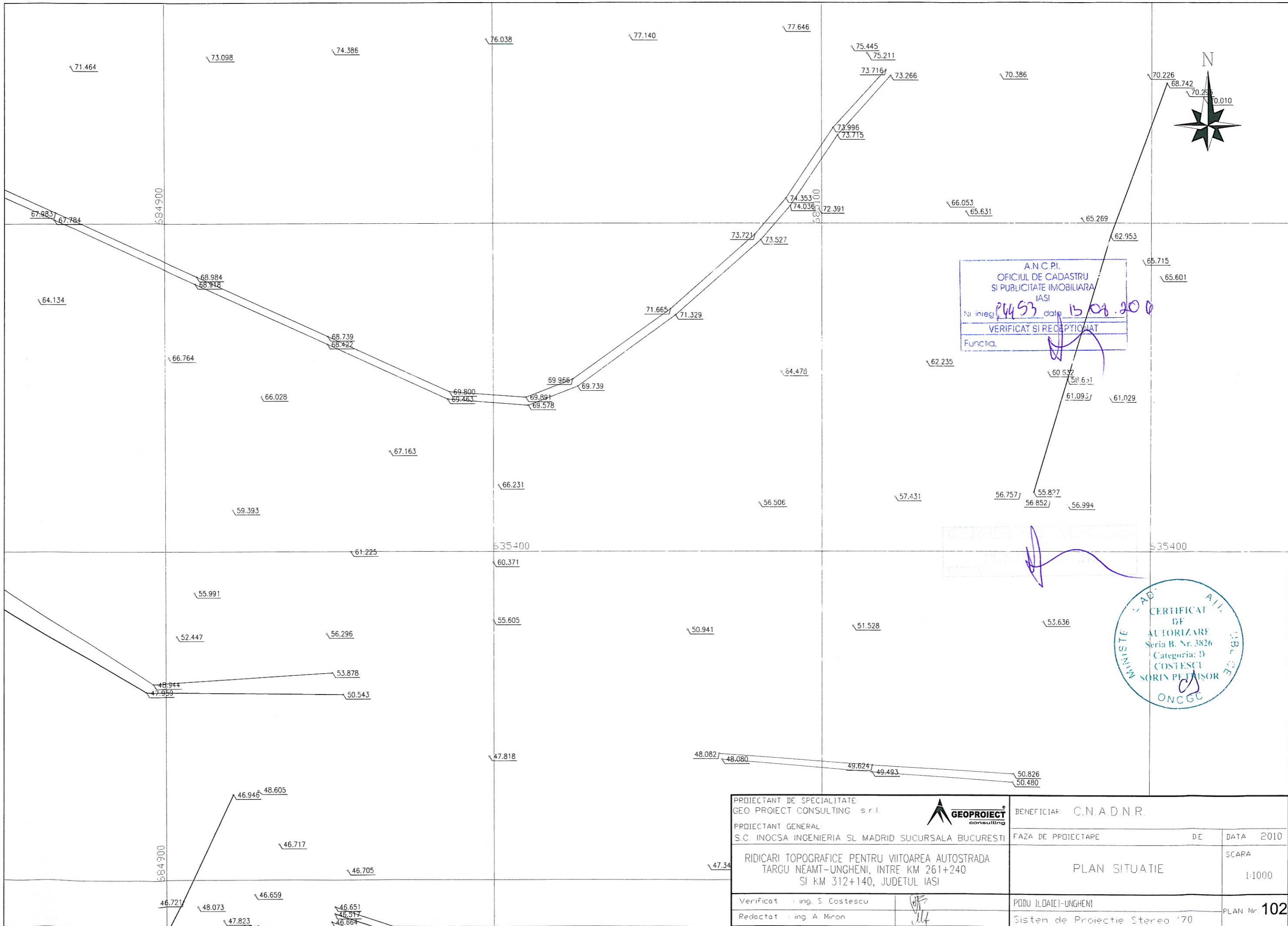
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 100 |



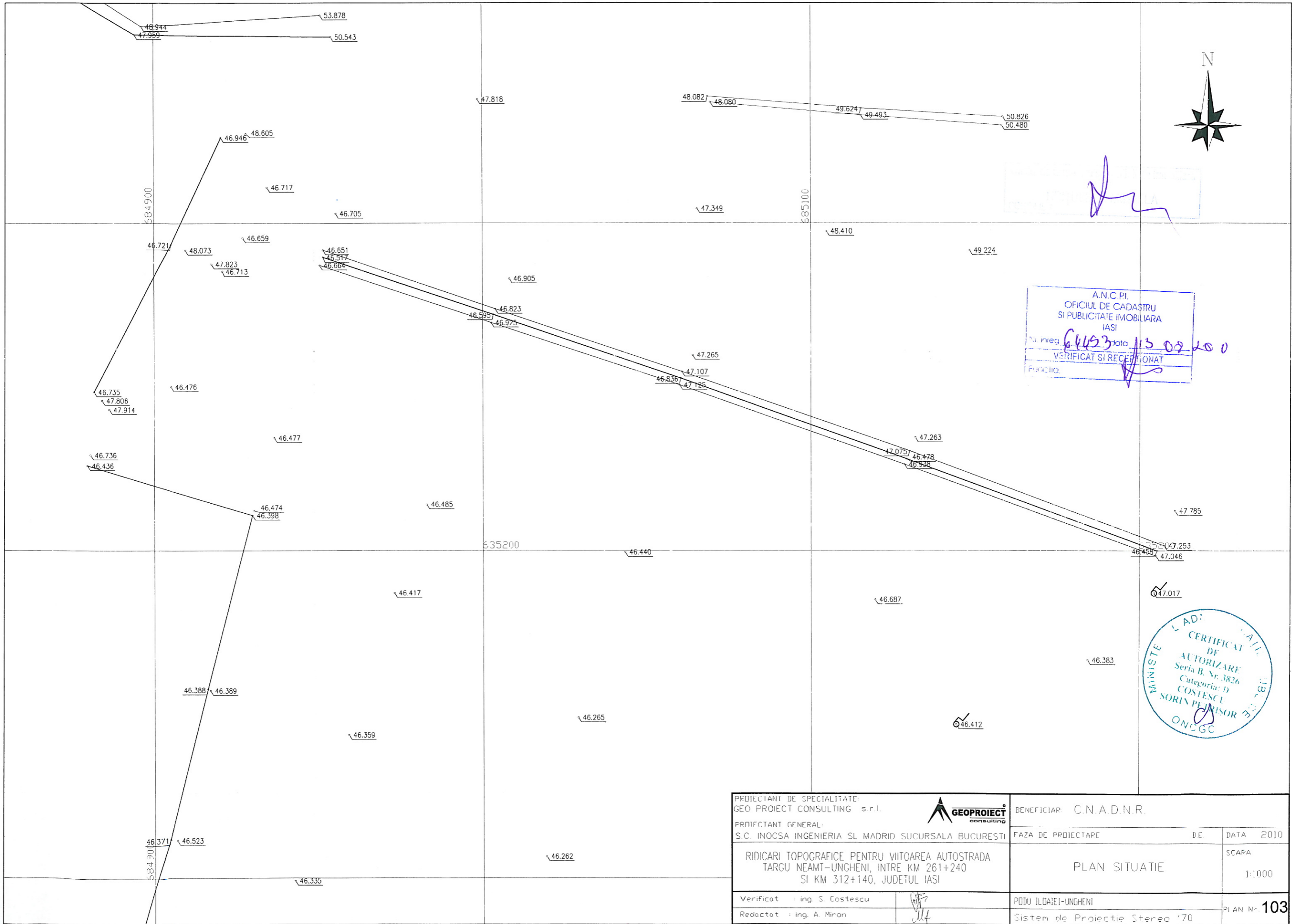
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.06.2010
 VERIFICAT SI RECEPTIONAT
 Functia:

AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 4826
 Categoria: D
 COSTEȘCU
 SORIN PĂUNȘOR
 ONCGC

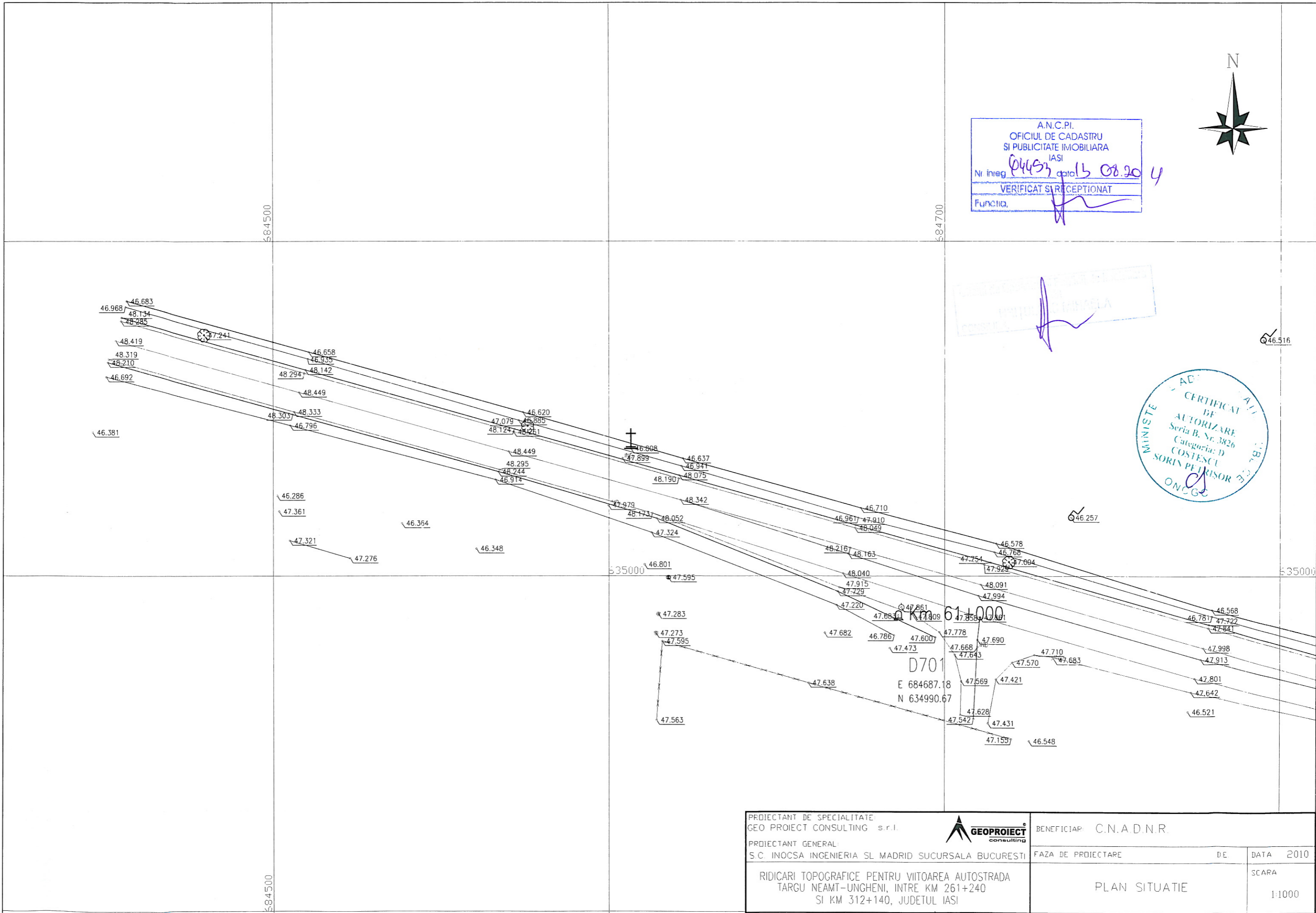
| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCUREȘTI | | FAZA DE PROIECTARE | DE |
| RIDICĂRI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, ÎNTRU KM 261+240 SI KM 312+140, JUDEȚUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 101 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiecție Stereo '70 | |



| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 102 |



| | | | |
|--|--|--------------------------------------|--|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE DE DATA 2010 | |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE SCAPA 1:1000 | |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI PLAN Nr. 103 | |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

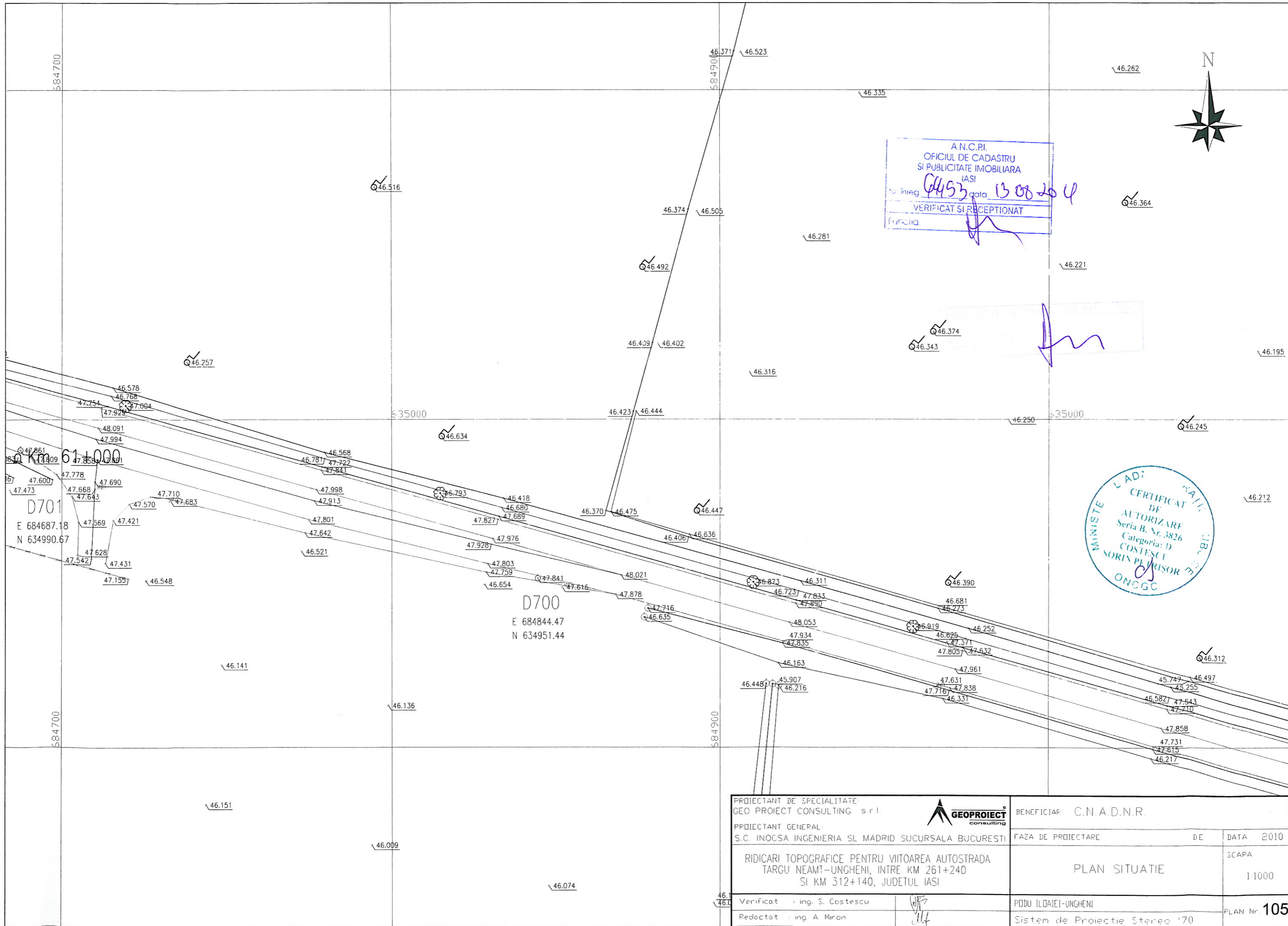


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *04453* data *15 08 2014*
 VERIFICAT SI RECEPTIONAT
 Functia, *[Signature]*

[Faint stamp and signature]



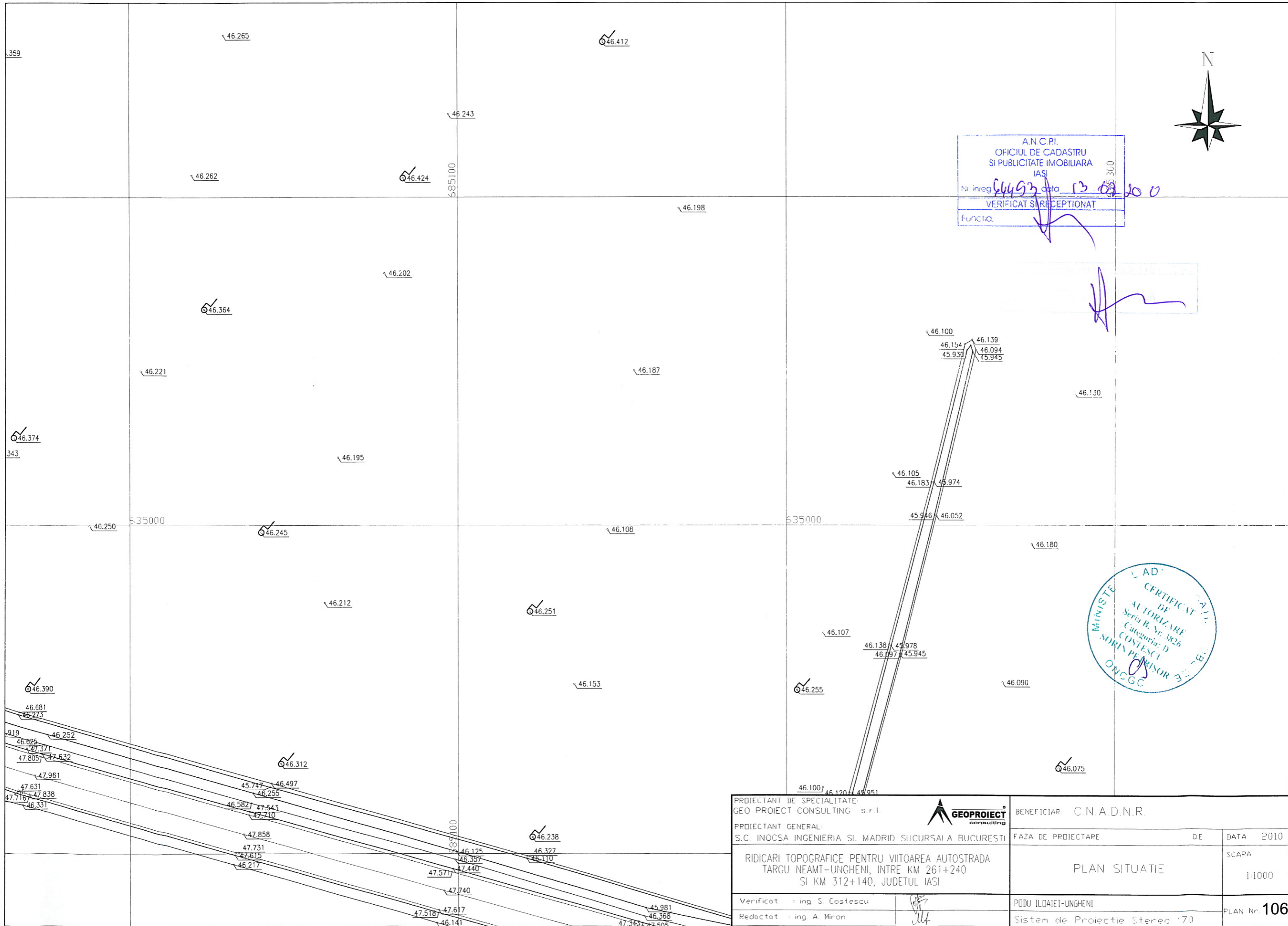
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 104 |



A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
No. inreg. 0453 data 13 08 2014
VERIFICAT SI RECEPTIONAT
Funcția: _____

MINISTERE LADi
CERTIFICAT DE
AUTORIZARE
Seria B. Nr. 3826
Categoria: D
COSTESCU
SORIN PELEGRINOR
ONGGC

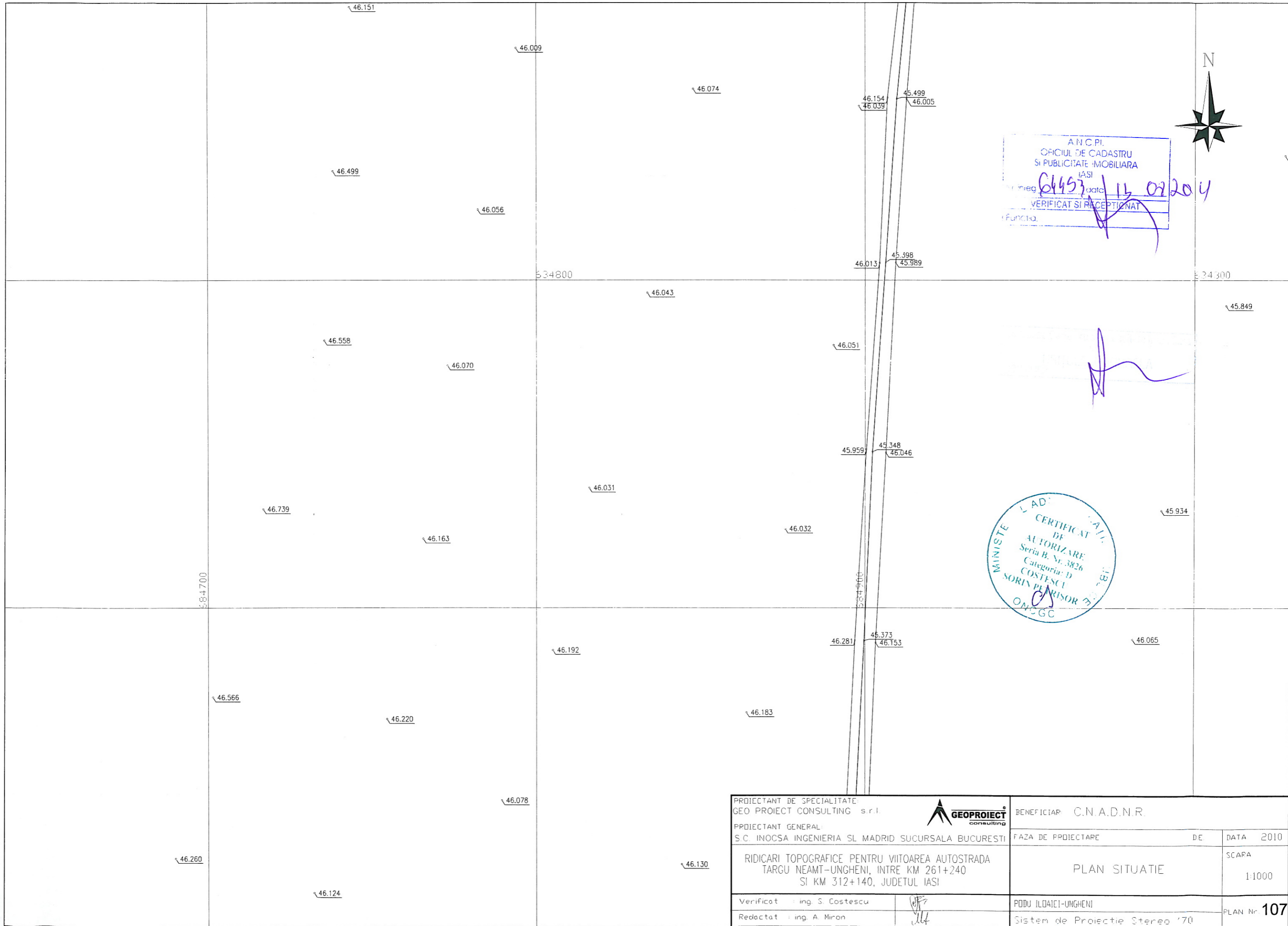
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILOAJEI-UNGHENI | SCAPA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 105 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia, _____



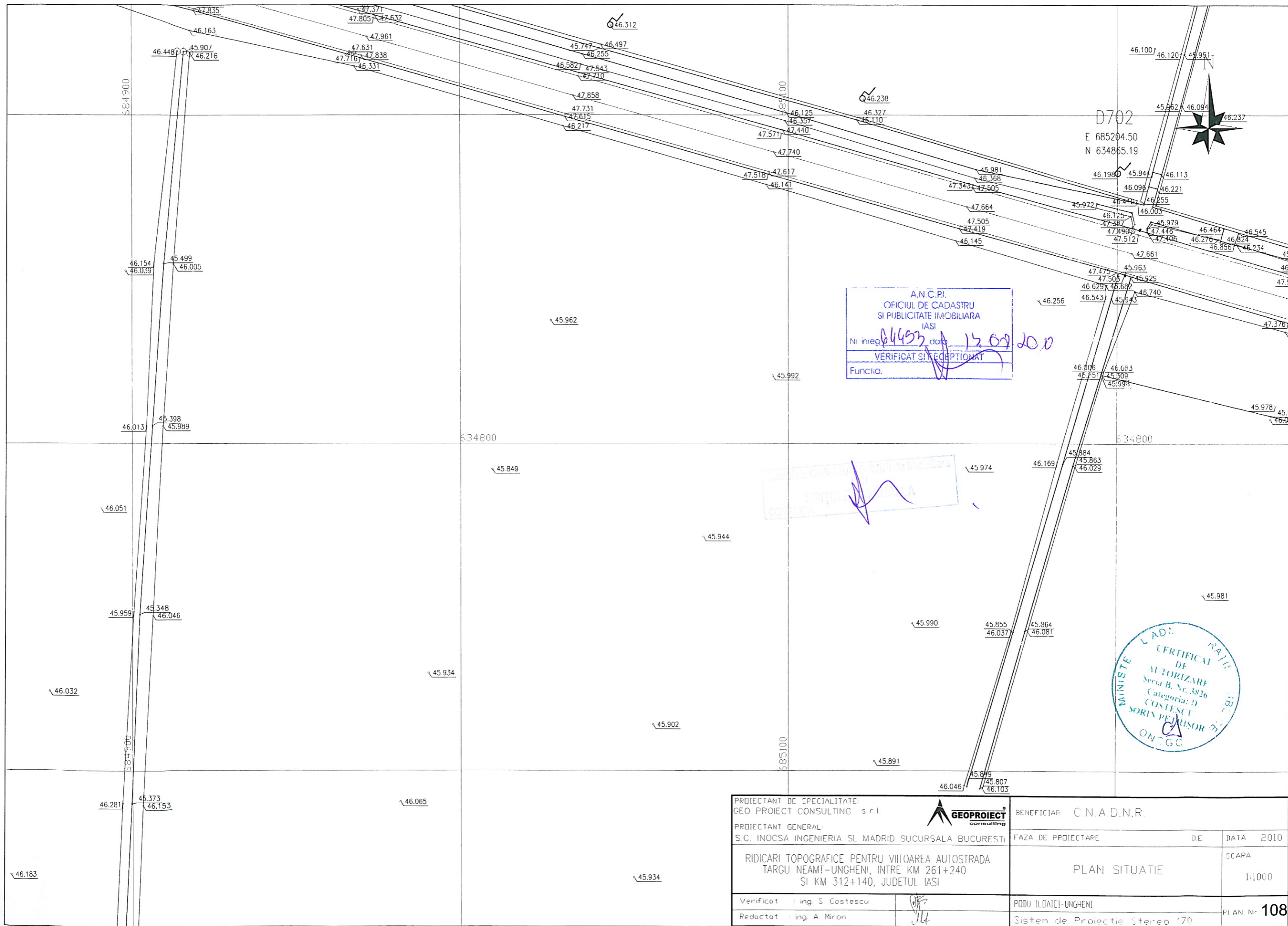
| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCAPA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 106 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.07.2014
 VERIFICAT SI RECEPTIAT
 Functia.

MINISTERUL
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARISOR
 ONGGC

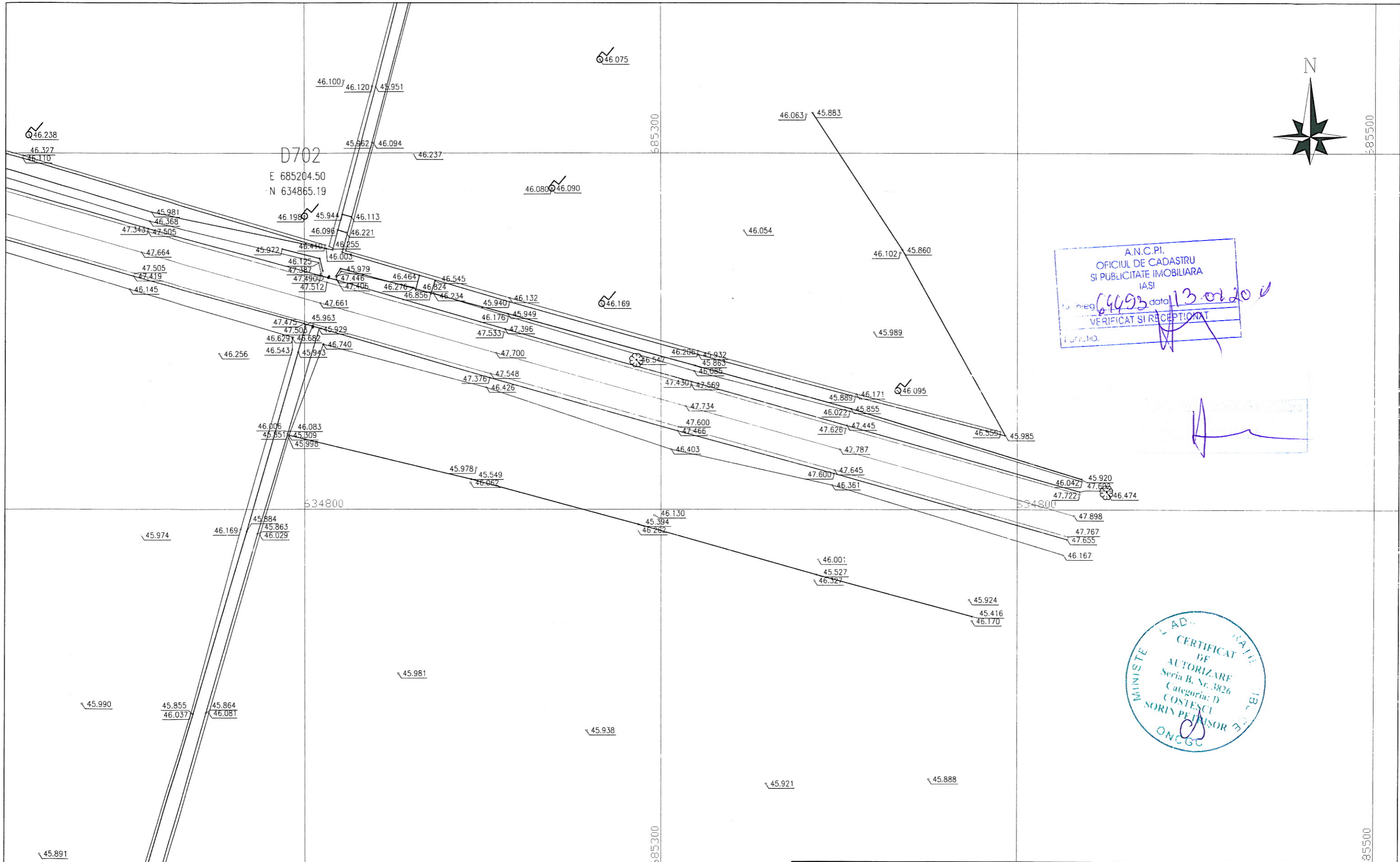
| | | | |
|---|--|---------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereoa '70 | PLAN Nr. 107 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. *61493* data *12.07.2010*
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERE L. AD. TR. INF. I. TRANSPORTURI SI INF. I. COMUNICATII
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCCG

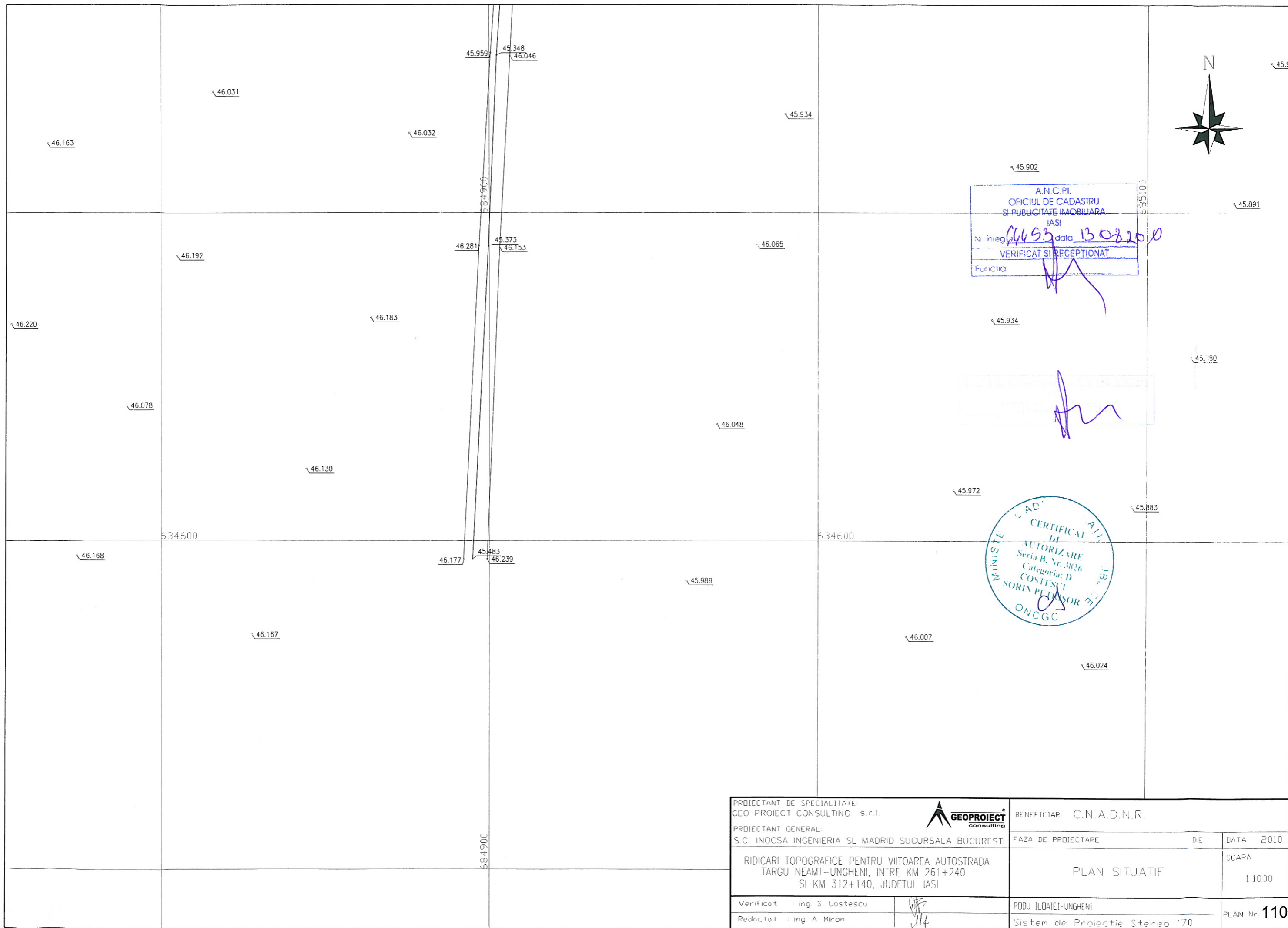
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat ing. S. Costescu | <i>[Signature]</i> | PODU ILOATEI-UNGHENI | PLAN Nr. 108 |
| Redactat ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Inreg. 6493 data 13.02.20
 VERIFICAT SI RECEPTAT
 Functia.

MINISTERUL DE
 TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCCG

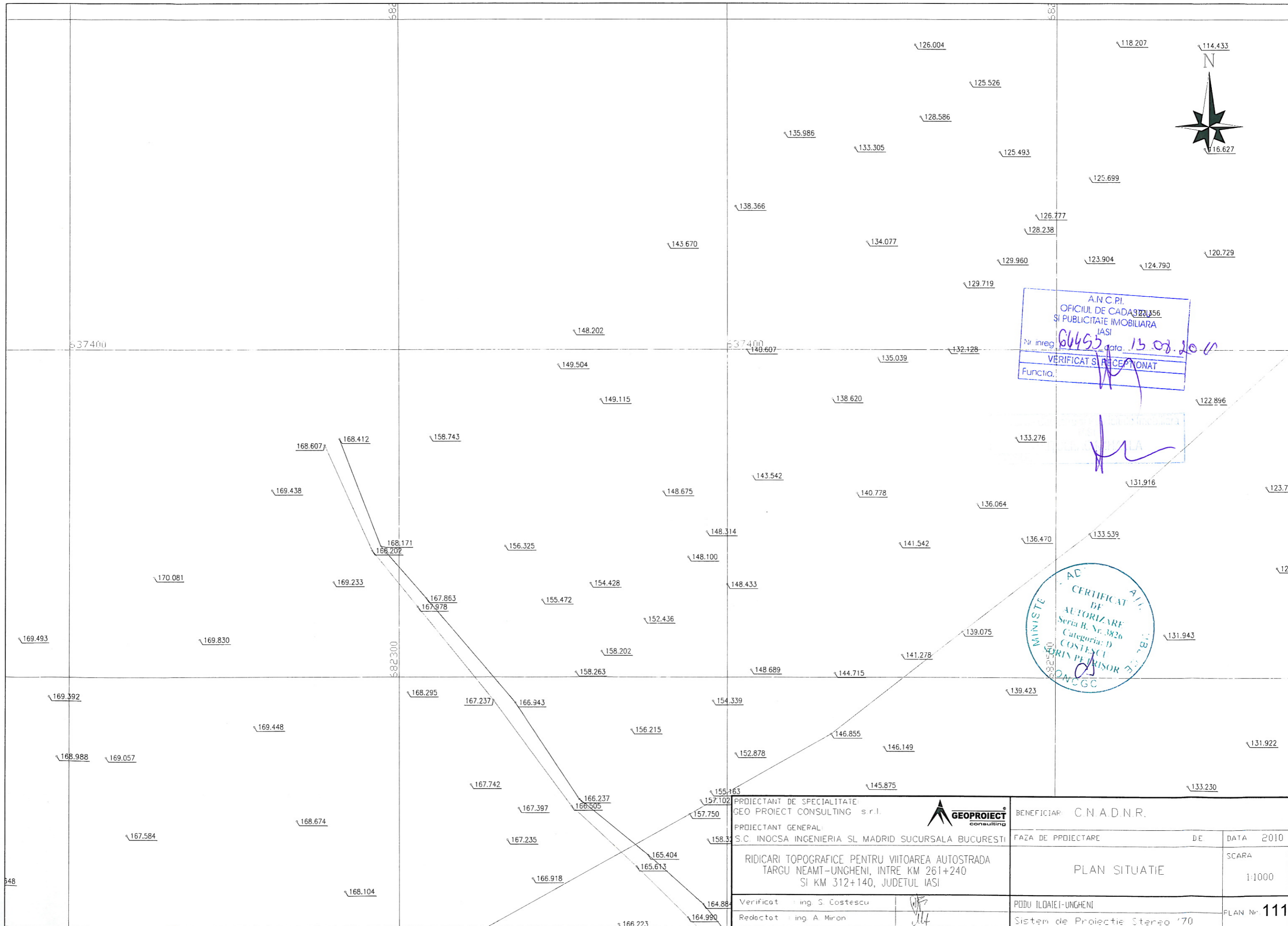
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 109 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 4453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia: _____

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELEUSOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | DATA 2010 |
| Verificat: Ing. S. Costescu | | PLAN SITUATIE | SCAFA 1:1000 |
| Redactat: Ing. A. Miron | | PODU ILOAIEI-UNGHENI | PLAN Nr. 110 |
| | | Sistem de Proiectie Stereo '70 | |

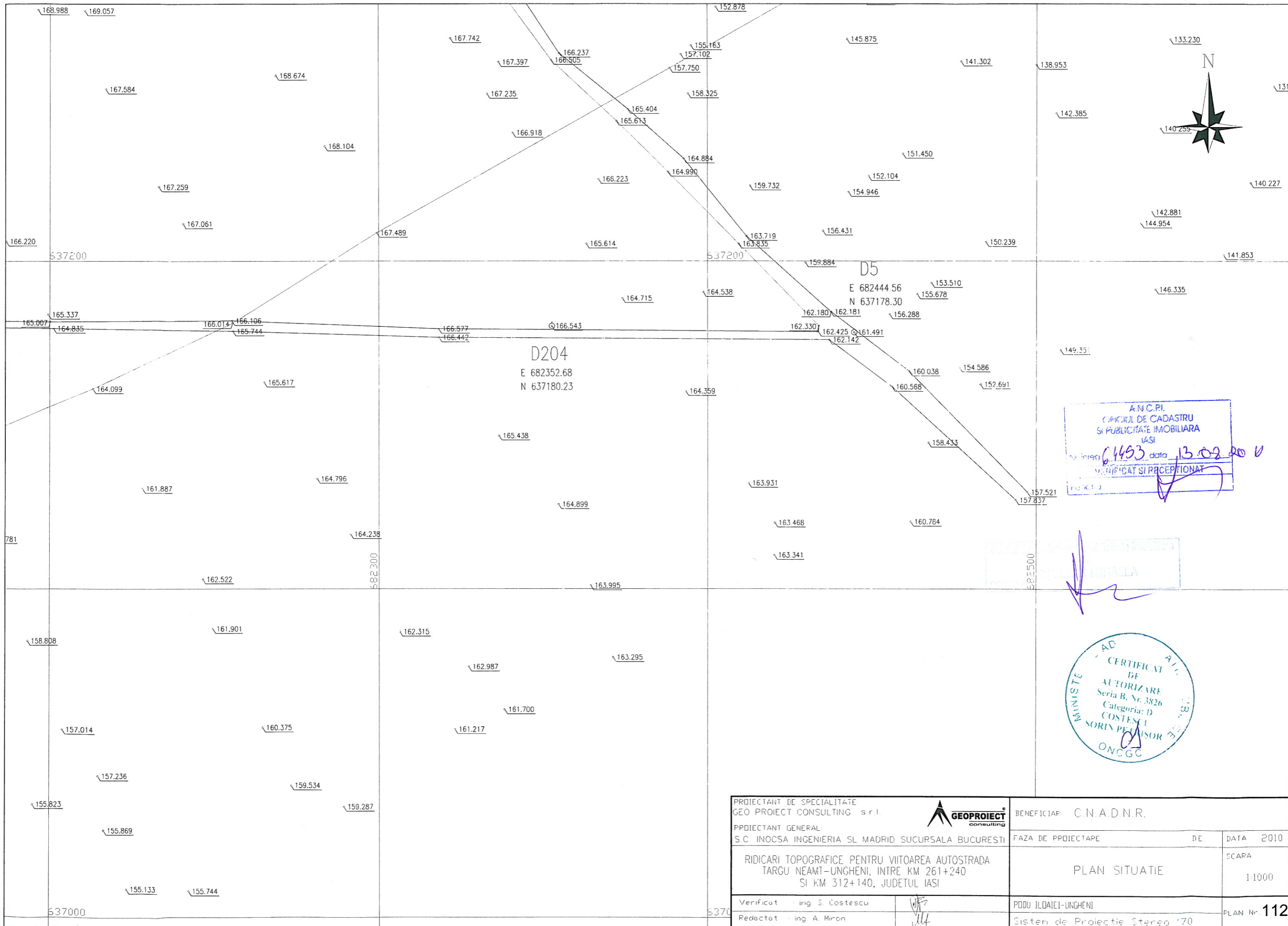


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 60455 data 13.07.2011
 VERIFICAT SI RECEPTONAT
 Functia: [Signature]

[Signature]

AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 INTRINSECROR
 D.V.C.G.C.

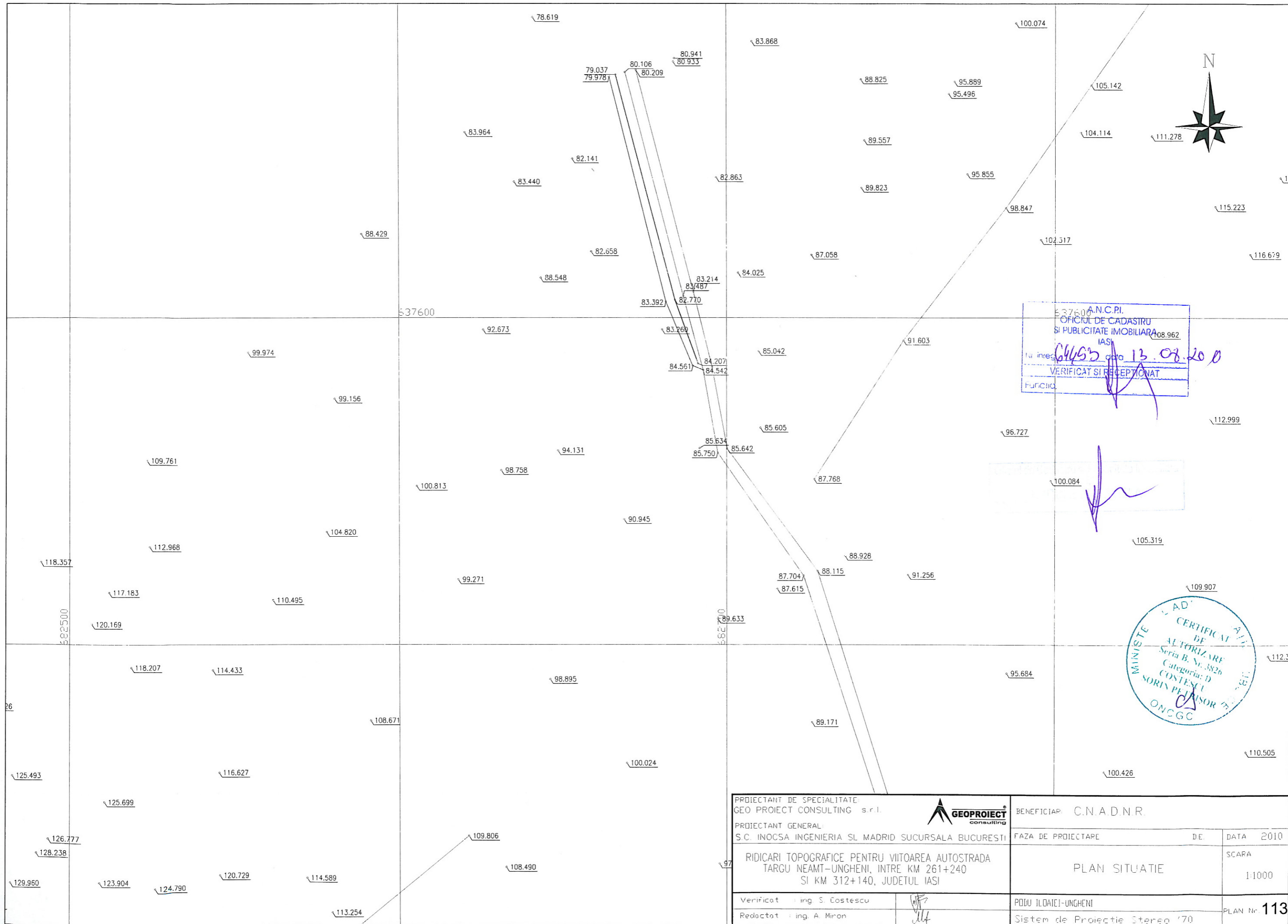
| | | | |
|--|-------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat Ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 111 |
| Redactat Ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 CAPIETUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 13.02.2010
 VERIFICAT SI RECEPTIAT
 [Signature]

MINISTERUL DE
 AD. CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

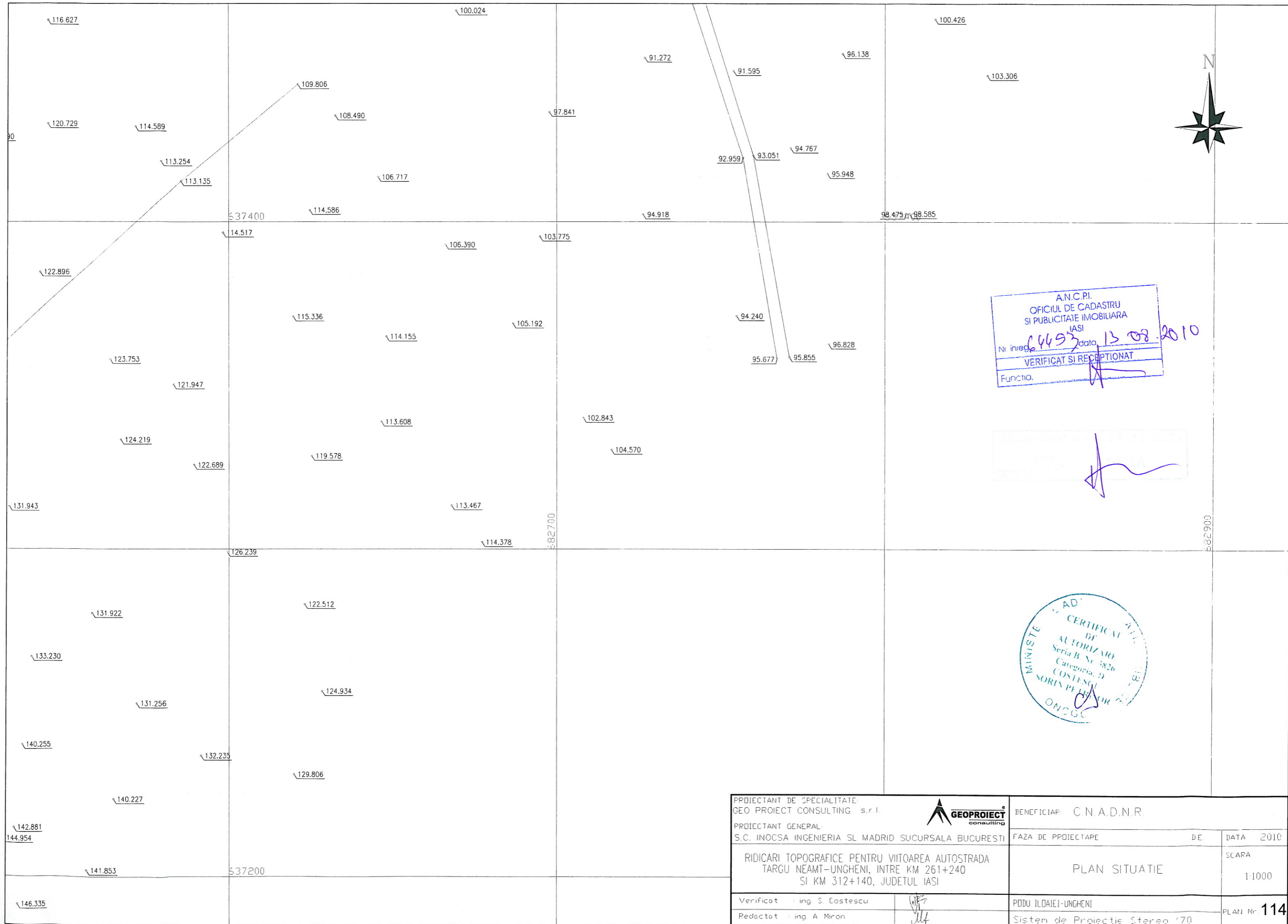
| | | | |
|--|-------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 112 |
| Redactat: Ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | |



E 27600
 A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.2010
 VERIFICAT SI RECEPTAT
 Func.

MINISTERUL
 DE
 TRANSPORTURI
 SI
 INFRASTRUCTURA
 DE
 TRANSPORTURI
 AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEJANOR
 ONCGC

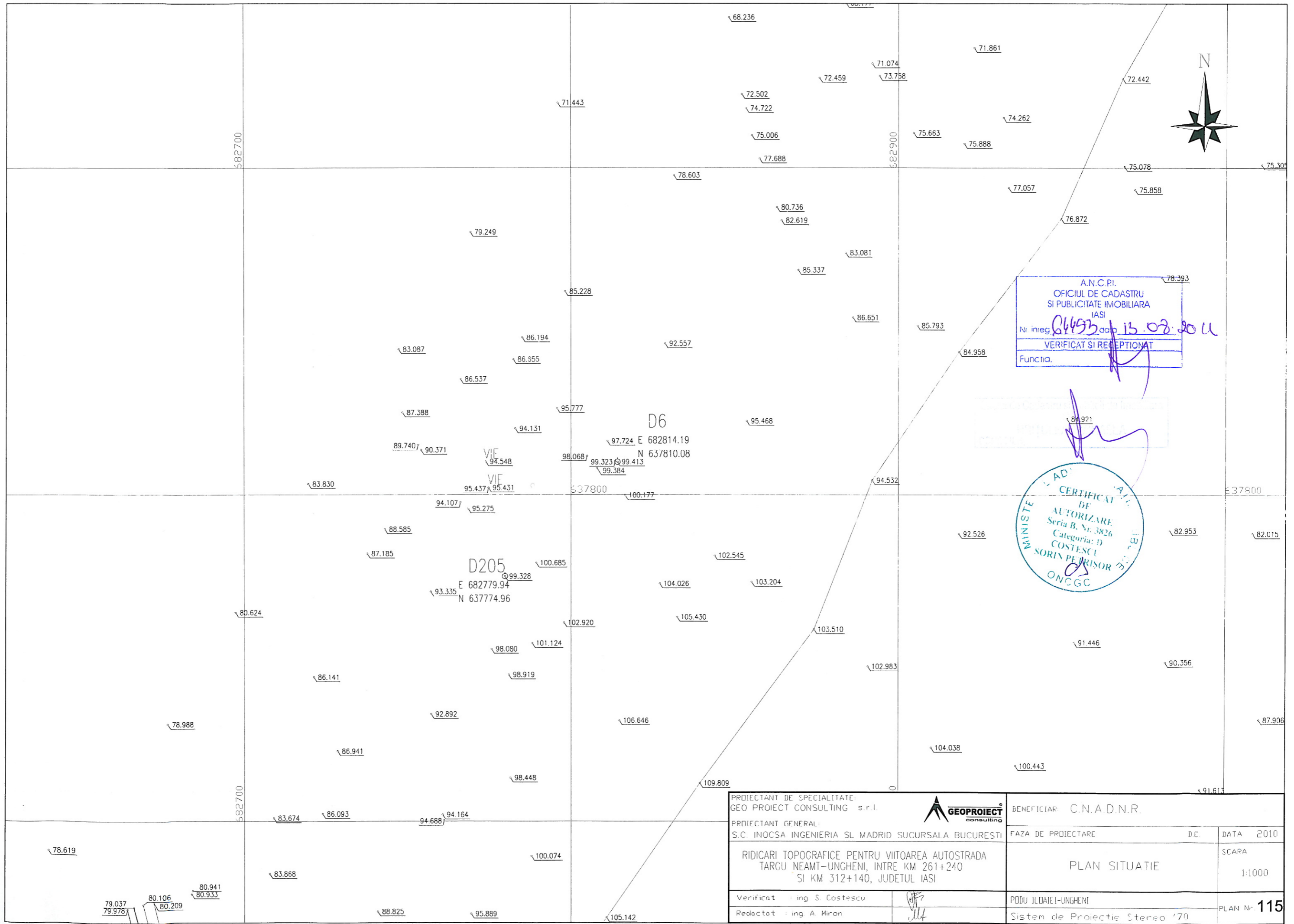
| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 113 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 5826
 Categoria: D
 COSTESCU
 SORIN PELEGRIN
 ONOCC

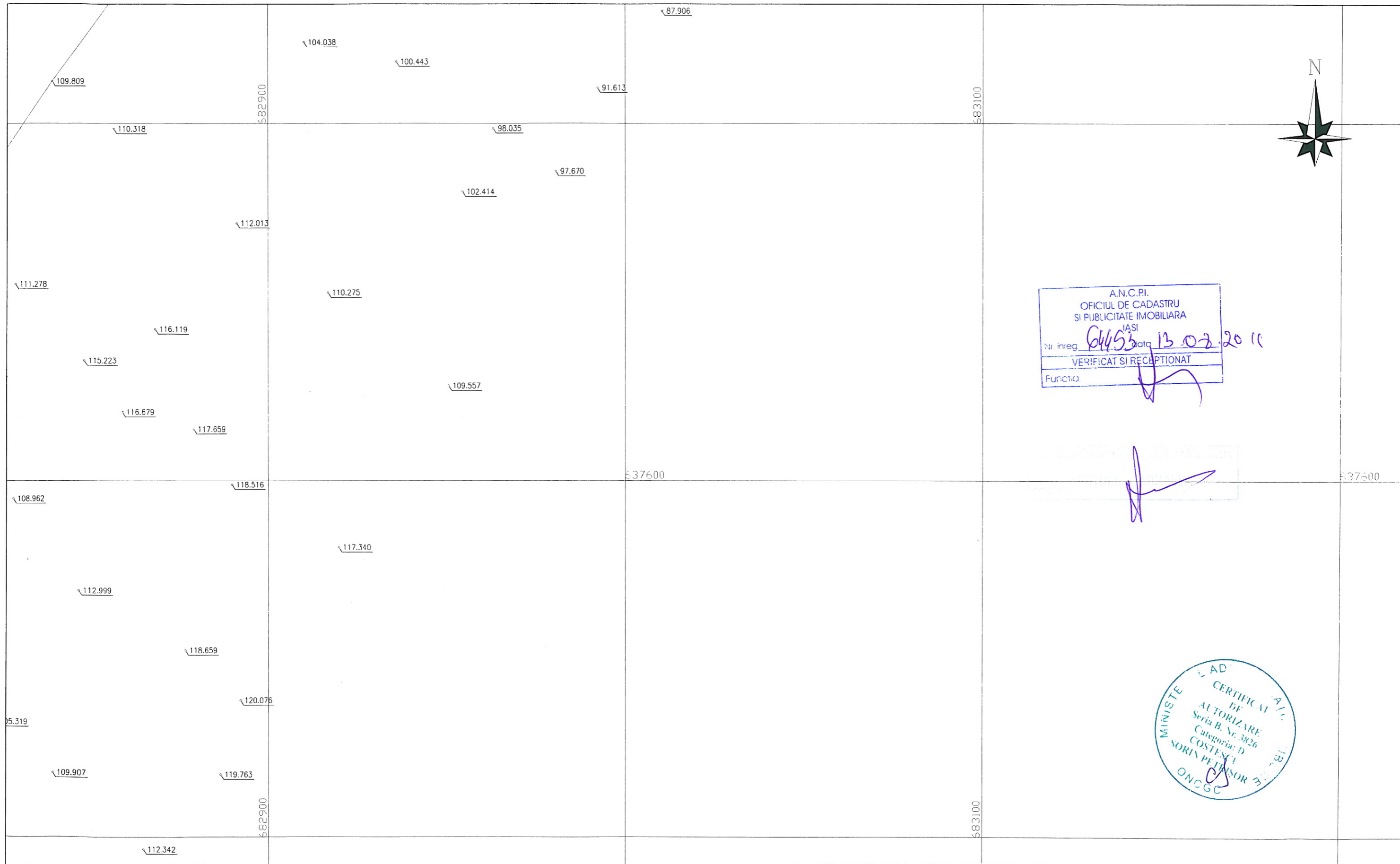
| | | | |
|---|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAJEI-UNGHENI | PLAN Nr. 114 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. *04493* data *15.07.2011*
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERUL AD-
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEPRISOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 115 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

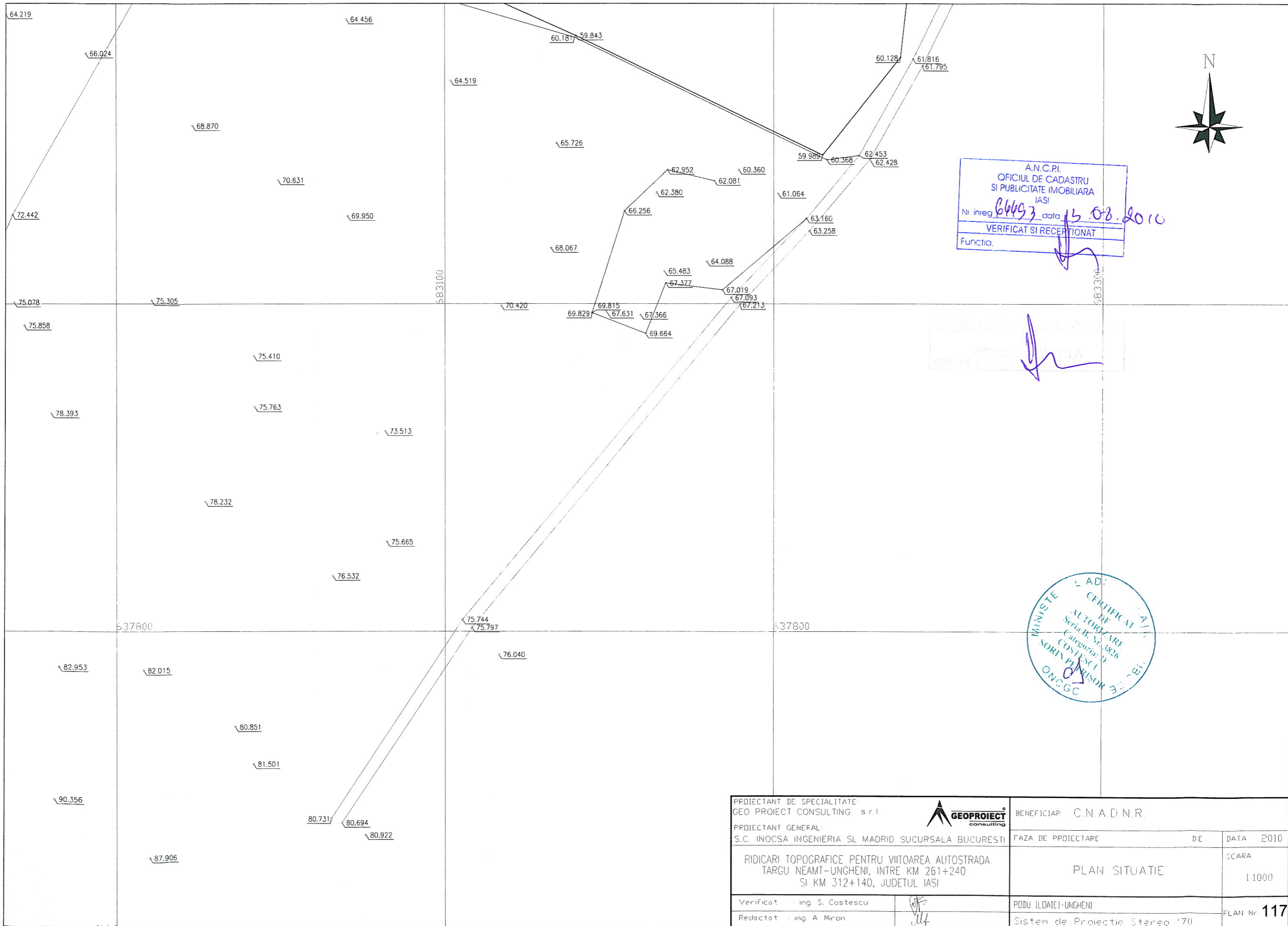


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64453 data 13.02.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

[Signature]



| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: ing. S. Costescu | <i>[Signature]</i> | PODU ILGAIEI-UNGHENI | PLAN Nr. 116 |
| Redactat: ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |

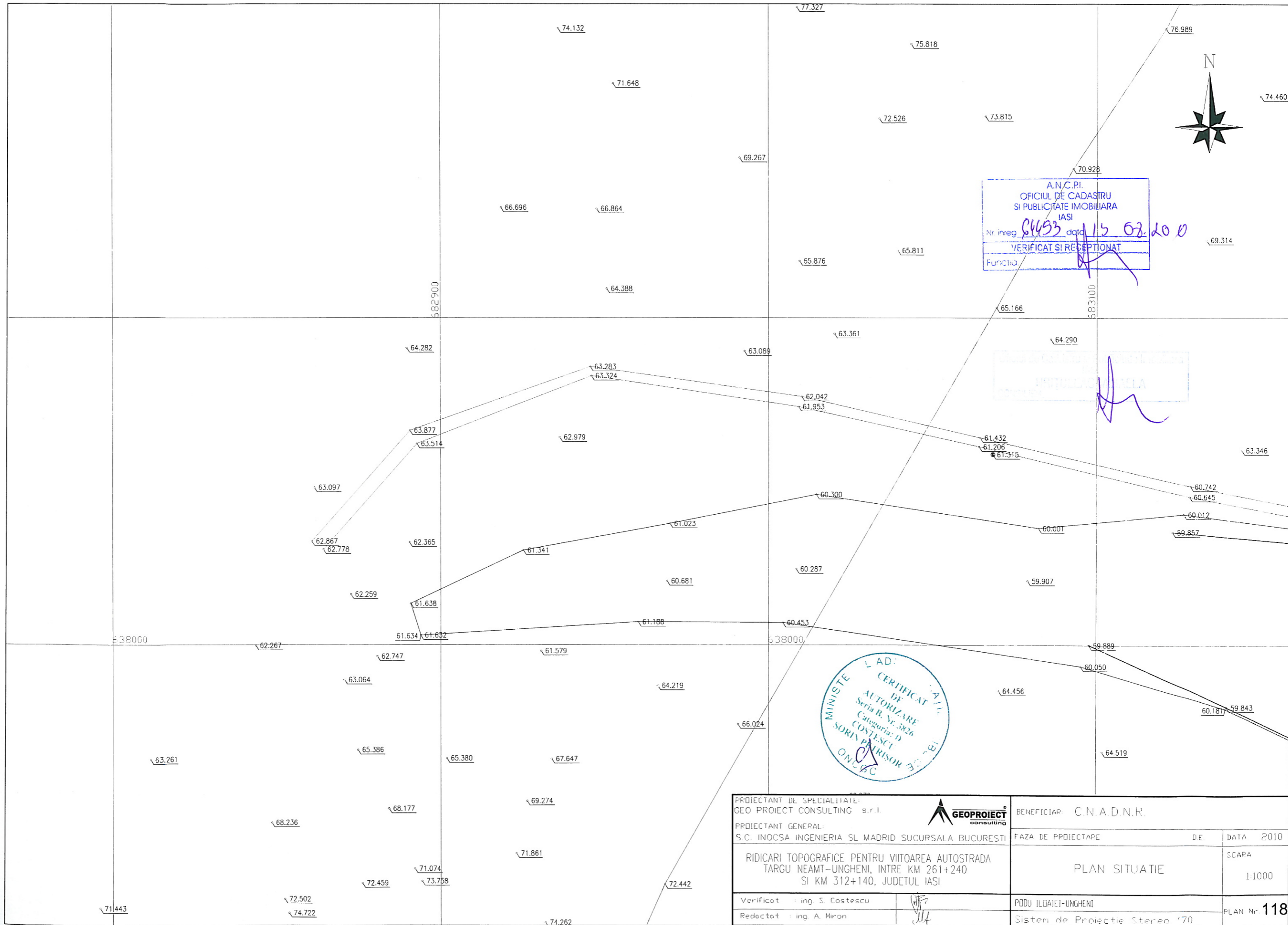


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64693 data 15.08.2010
 VERIFICAT SI RECEPTIAT
 Functia. *[Signature]*

[Faint stamp and signature]

MINISTERUL
 DE TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 DE TRANSPORTURI
 SORIN PĂRĂȘOR
 ONCGC

| | | | |
|--|--------------------|---------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 117 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | |

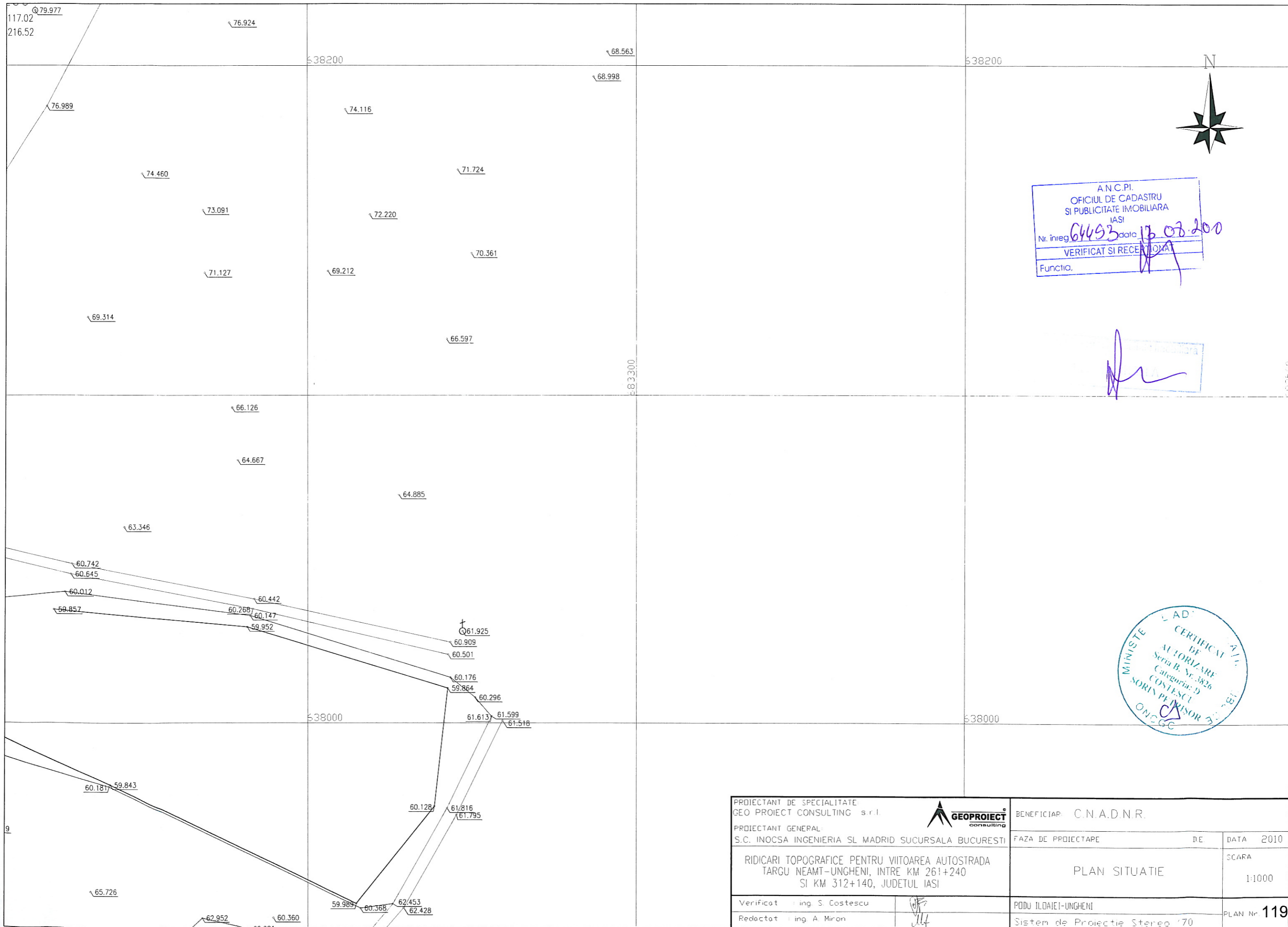


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 8493 data 15.02.2010
 VERIFICAT SI RECEPTIONAT
 Functia: [Signature]

[Faint stamp and signature]

MINISTERUL INFRASTRUCTURII
 CERTIFICAT DE AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU SORIN PAURISOR
 ONC/BC

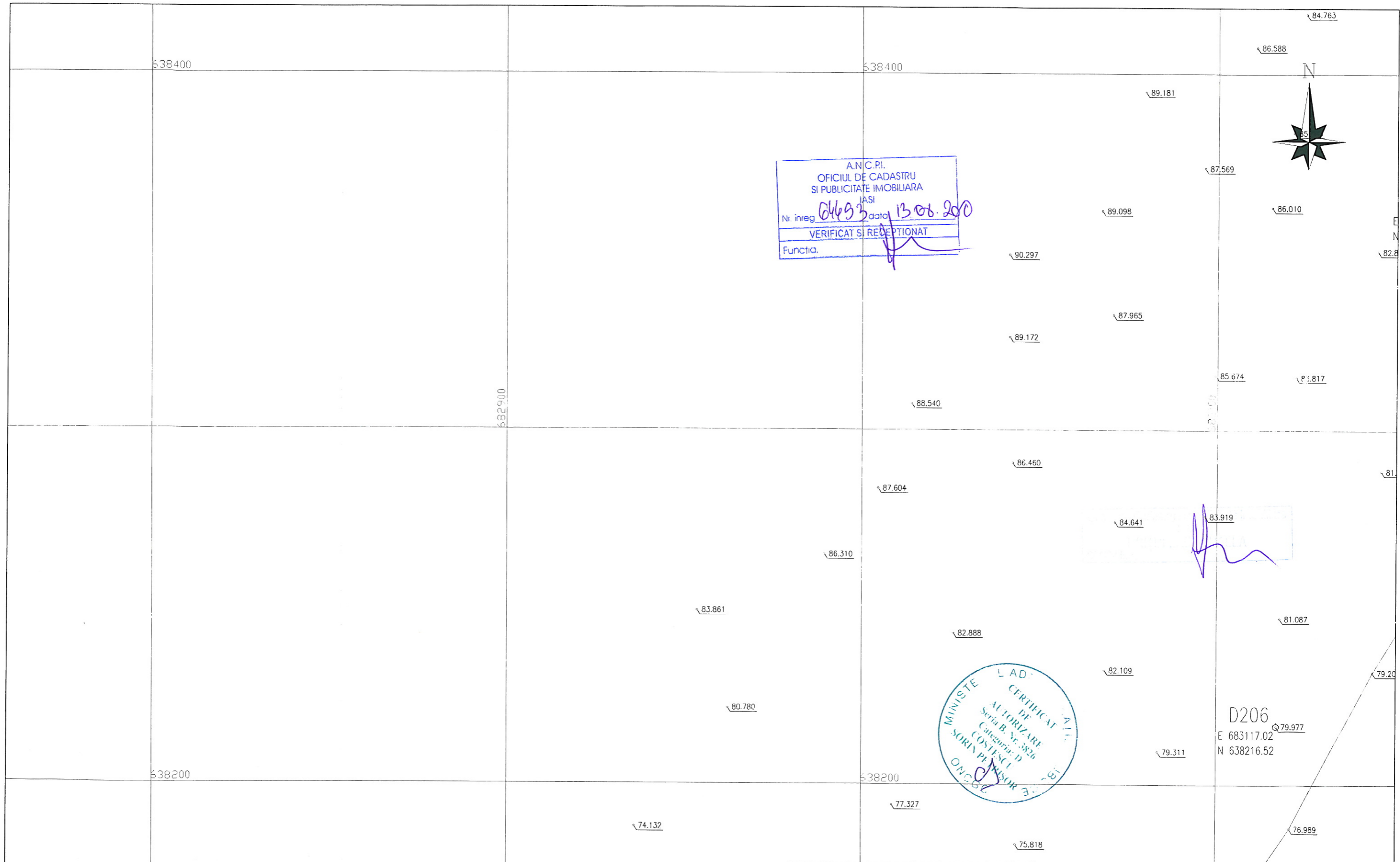
| | | | |
|--|-------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 118 |
| Redactat: ing. A. Miron | [Signature] | Sistem de Proiectie Stereoa 170 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. 64493 data 13.07.200
 VERIFICAT SI RECEPTAT
 Functia.

MINISTERUL
 DE
 TRANSPORTURI
 SI
 INFRASTRUCTURA
 DE
 TRANSPORTURI
 AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELEGRIN
 ON-CC

| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 119 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

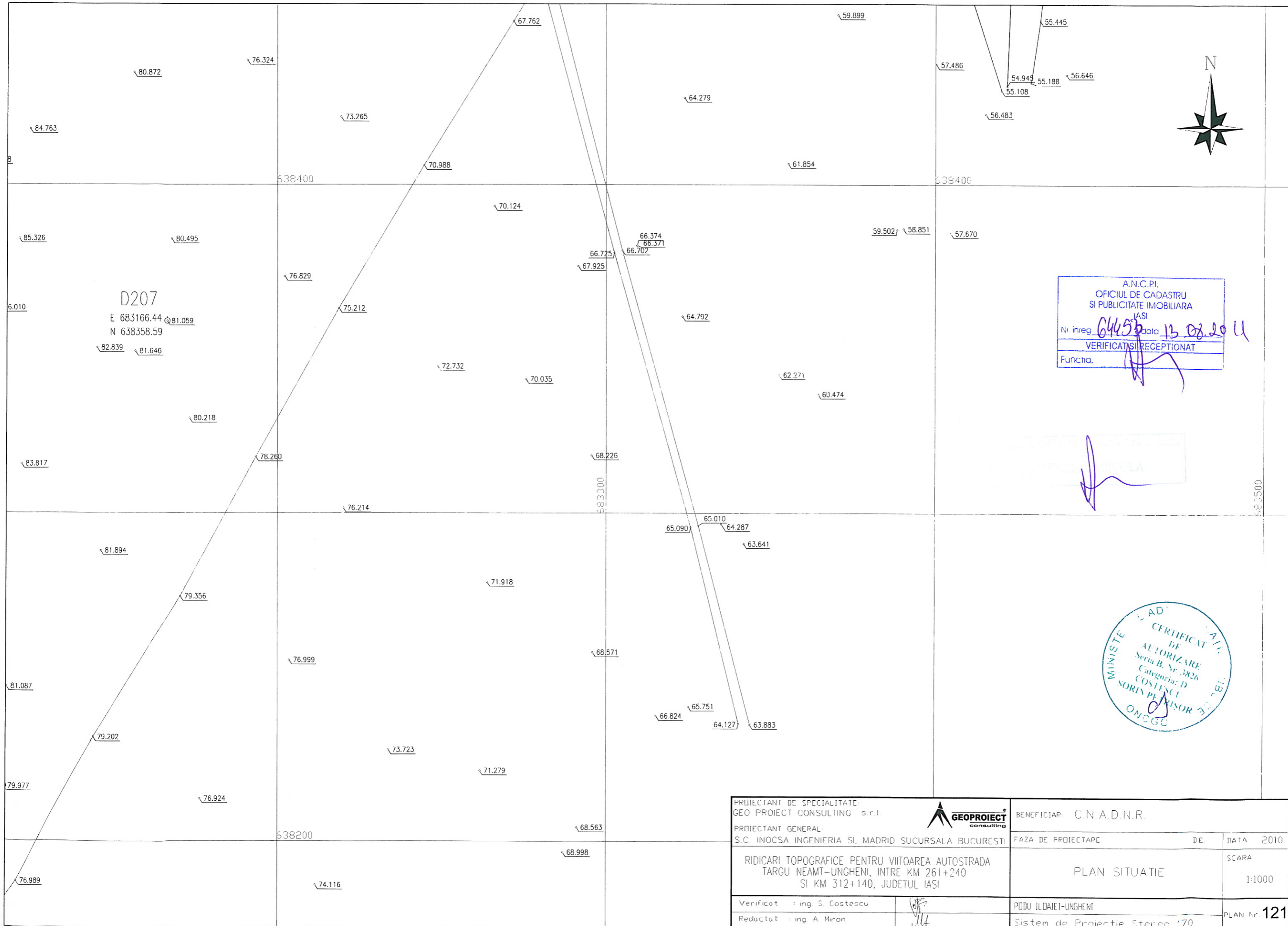


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64693 data 13.08.2010
 VERIFICAT SI REDEPTIONAT
 Functia. [Signature]

AD. CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELESOR
 25.05.2010

[Signature]

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PODU ILDAIEI-UNGHENI | PLAN Nr. 120 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |

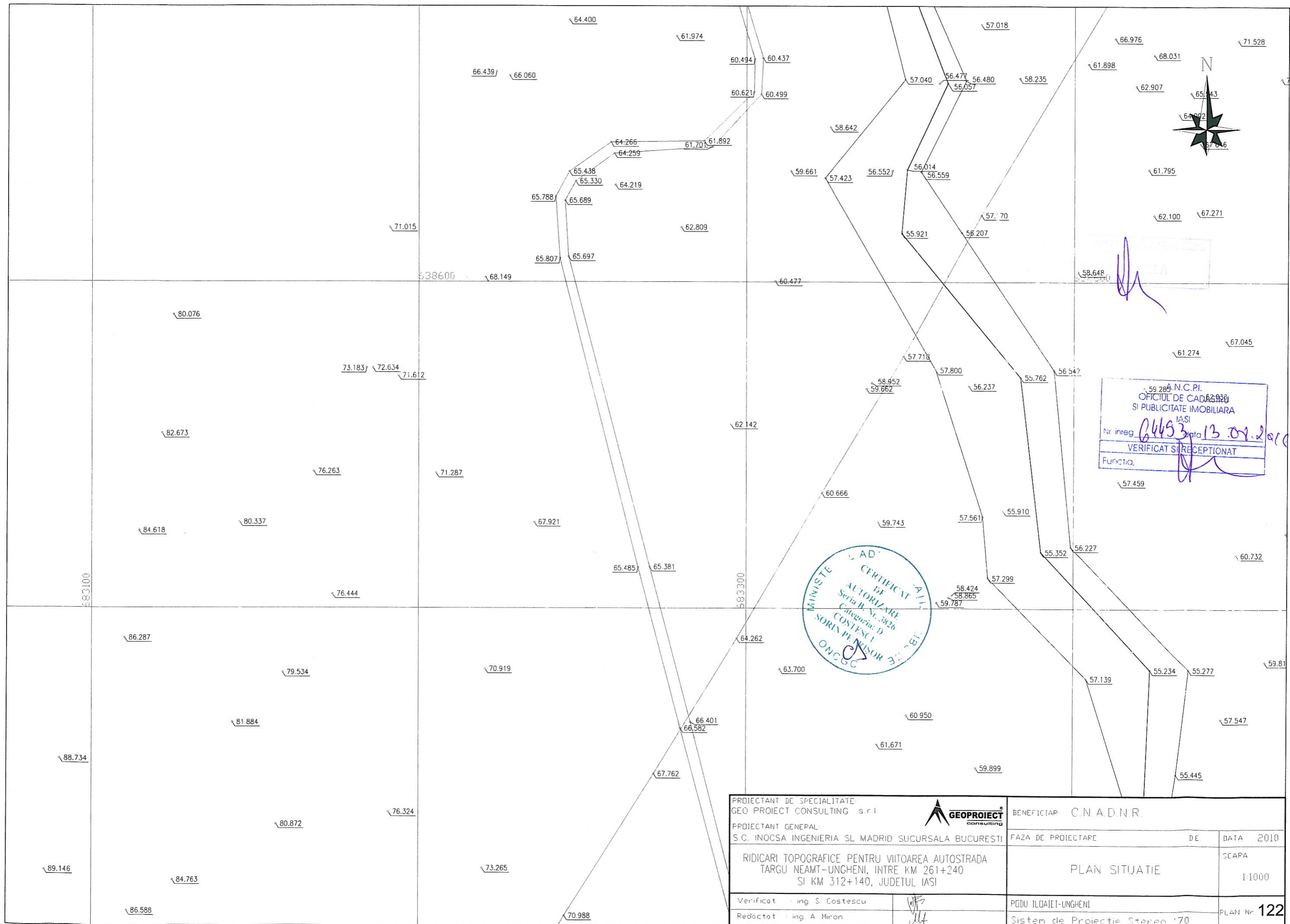


D207
 E 683166.44 Q 81.059
 N 638358.59
 82.839 81.646

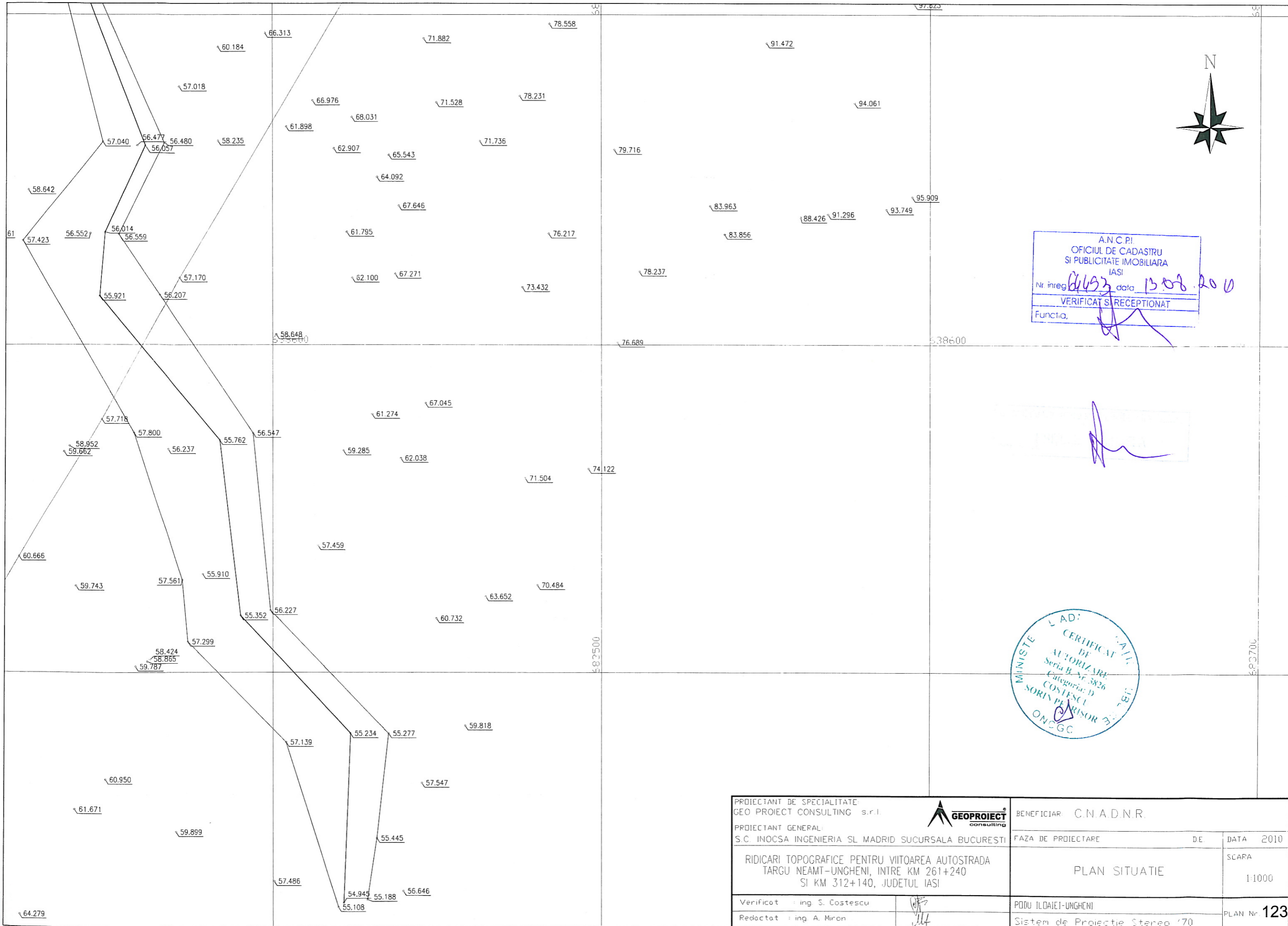
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.08.2011
 VERIFICAT SI RECEPTIONAT
 Functia.

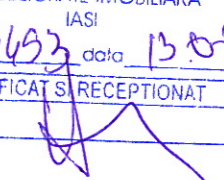
MINISTERUL DE
 TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERISOR
 ONCGC

| | | | | | |
|--|--|--------------------------------|--------------------------|--------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | | BENEFICIAR: C.N.A.D.N.R. | | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | | FAZA DE PROIECTARE | DE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | PLAN SITUATIE | | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | | PLAN Nr. 121 | |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | | | |





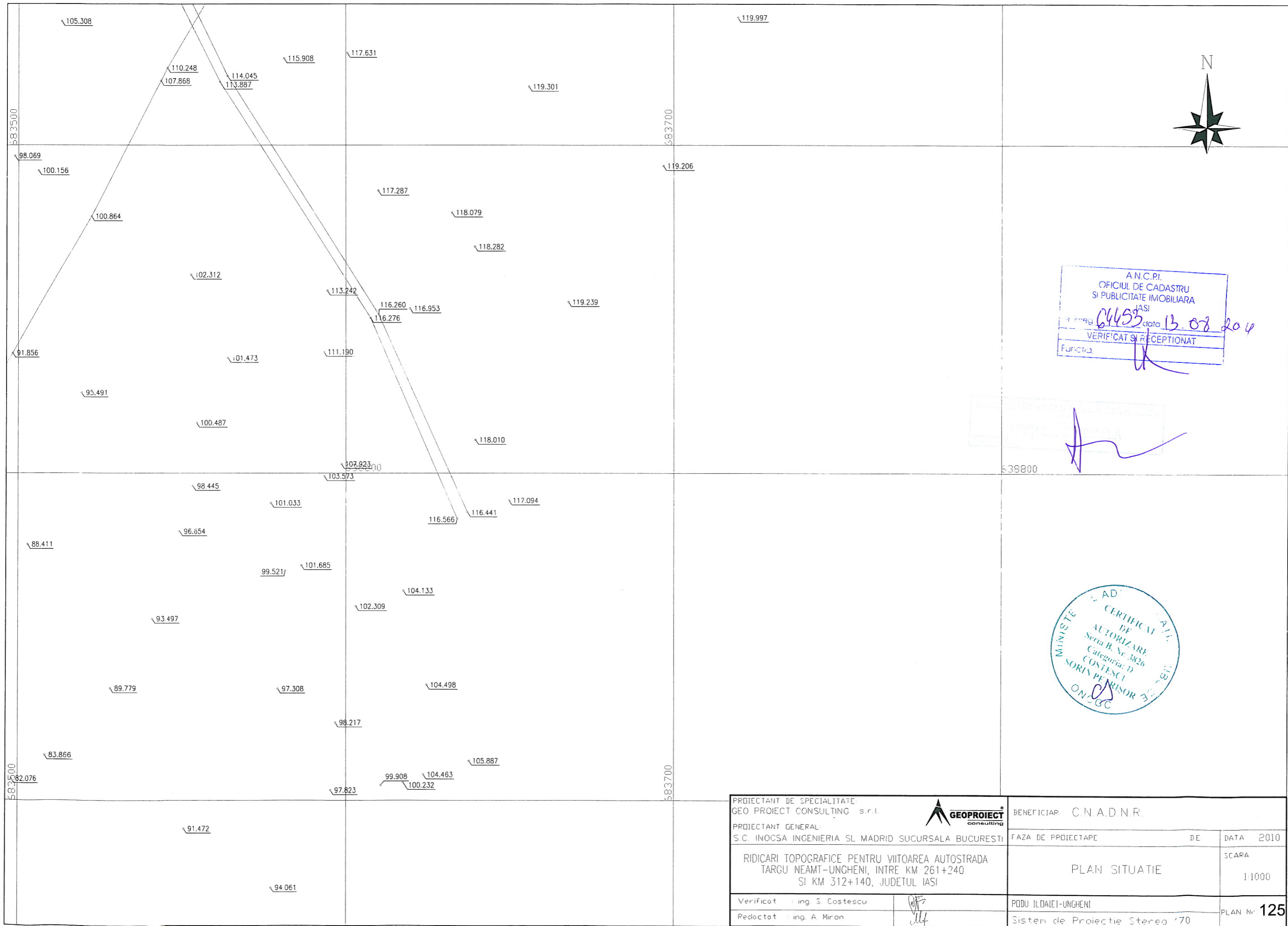
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 122 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 0493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia, 


MINISTERUL TRANSPORTURILOR SI INFRASTRUCTURII
 CERTIFICAT DE AUTORIZARE
 Seria B-VF 5836
 Categoria D
 COSTESCU SORIN PERISOR
 ONGGC

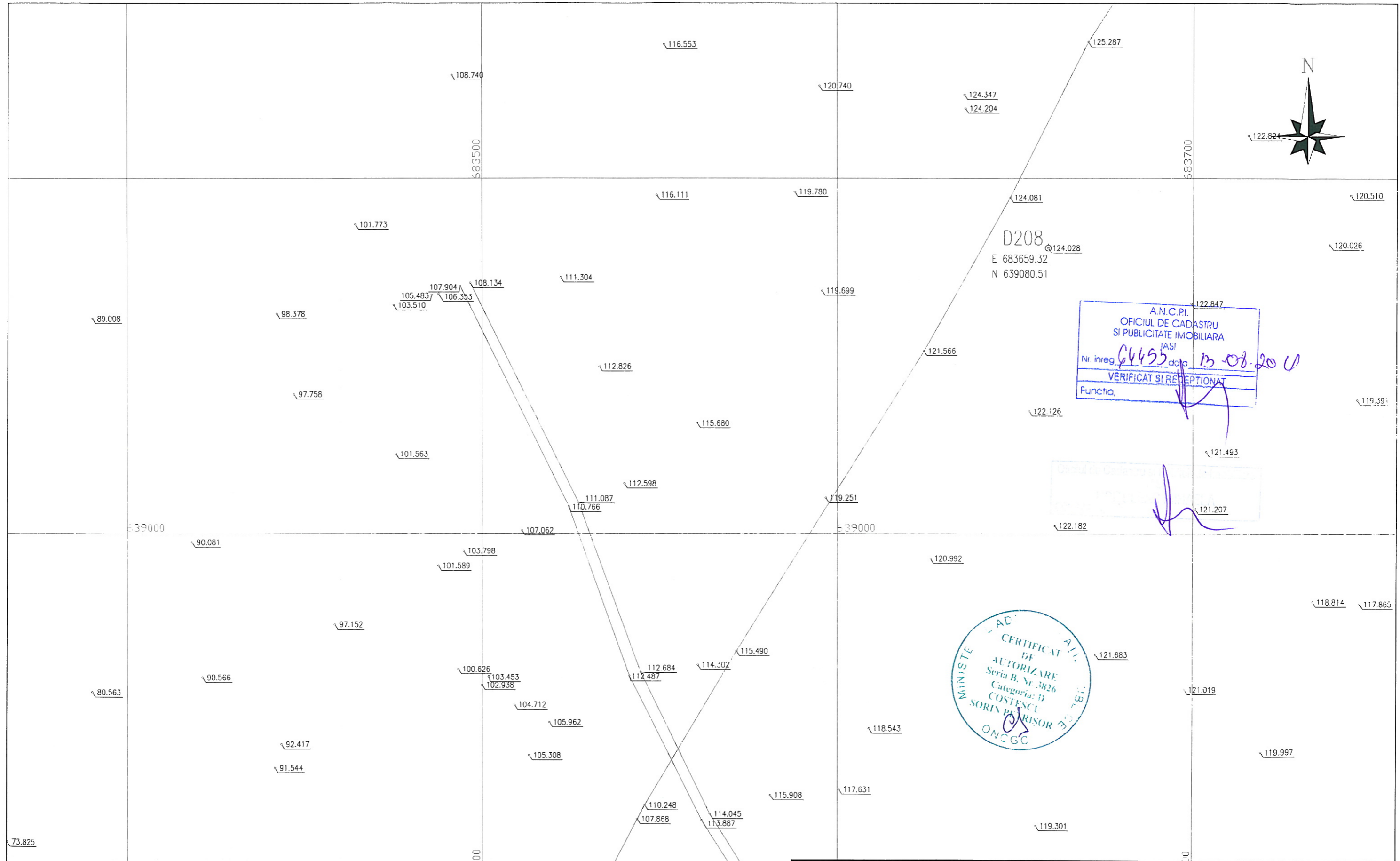
| | | | |
|--|---|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu |  | PODU ILDAIEI-UNGHENI | PLAN Nr. 123 |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 nr. inreg. 64455 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia: *UK*

AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PE TRISOR
 ONCC

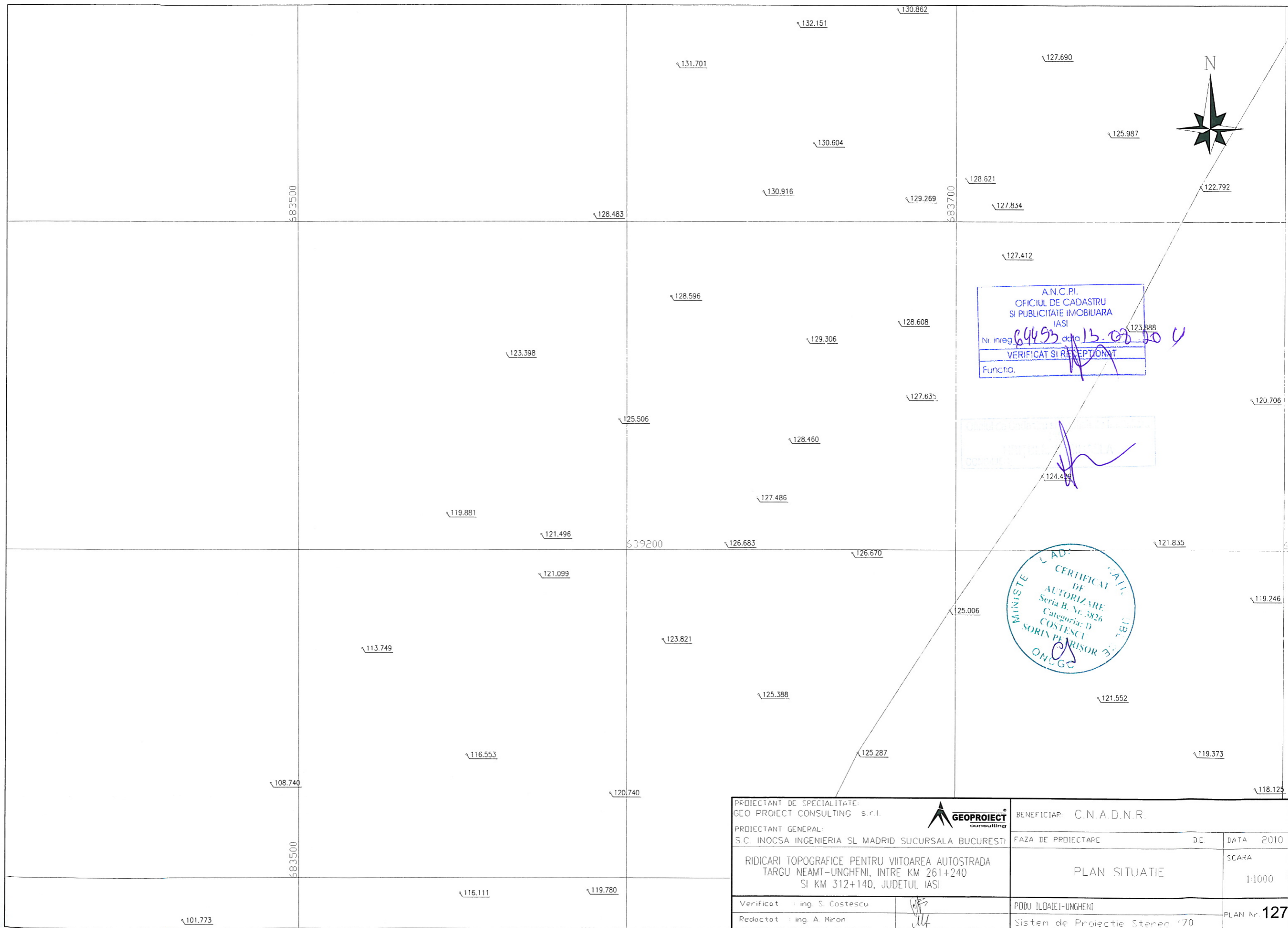
| | | | | |
|--|-----------|---|--------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | |  | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | <i>SC</i> | PODU ILOAIEI-UNGHENI | | SCARA 1:1000 |
| Redactat: Ing. A. Miron | <i>AM</i> | Sistem de Proiectie Stereo '70 | | PLAN Nr. 125 |



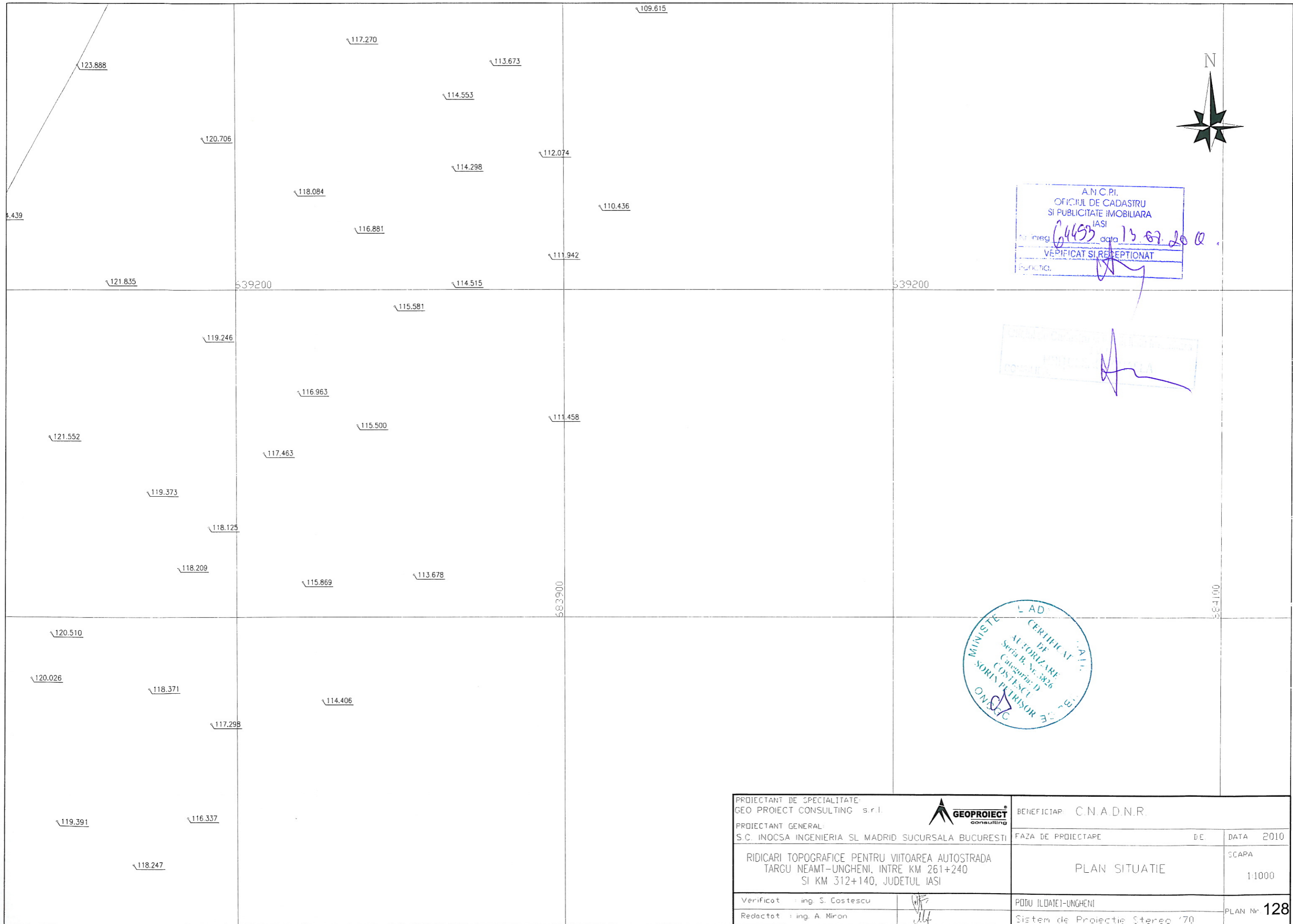
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64455 data 13-08-2011
 VERIFICAT SI RECEPTIONAT
 Functia, _____

MINISTERE
 DE
 TRANSPORTURI
 SI
 INFRASTRUCTURA
 DE
 TRANSPORTURI
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PARISOR
 ONCCG

| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : Ing. S. Costescu | <i>[Signature]</i> | PODU ILOAJEI-UNGHENI | PLAN Nr. 126 |
| Redactat : Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



| | | | |
|--|-------------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat: Ing. S. Costescu | Redactat: Ing. A. Miron | PODU ILOAIEI-UNGHENI | PLAN Nr. 127 |
| | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.07.2010
 VERIFICAT SI RECEPTIONAT
 Functia:

CIRCUITUL CADASTRU AL JUDETELUI IASI
 PONTA
 COMITATUL IASI

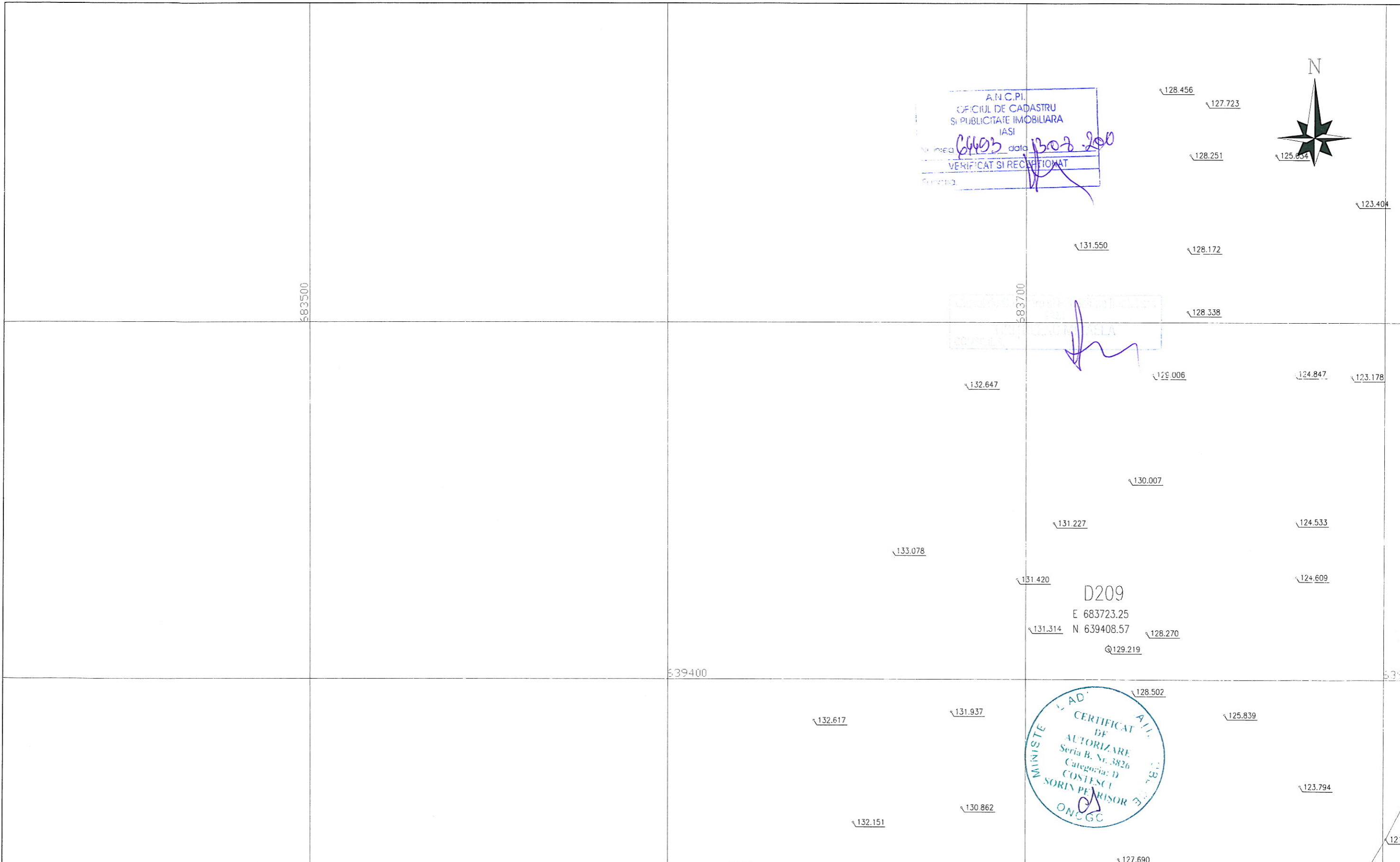
MINISTERUL TRANSPORTURILOR
 AD
 CERTIFICAT
 DE APROBARE
 Seria B, Nr. 3826
 Categoria D
 COSTESCU
 SORIN PETRISOR
 ON/SC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETELUL IASI | | PLAN SITUATIE | SCALA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDATEI-UNGHENI | PLAN Nr. 128 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

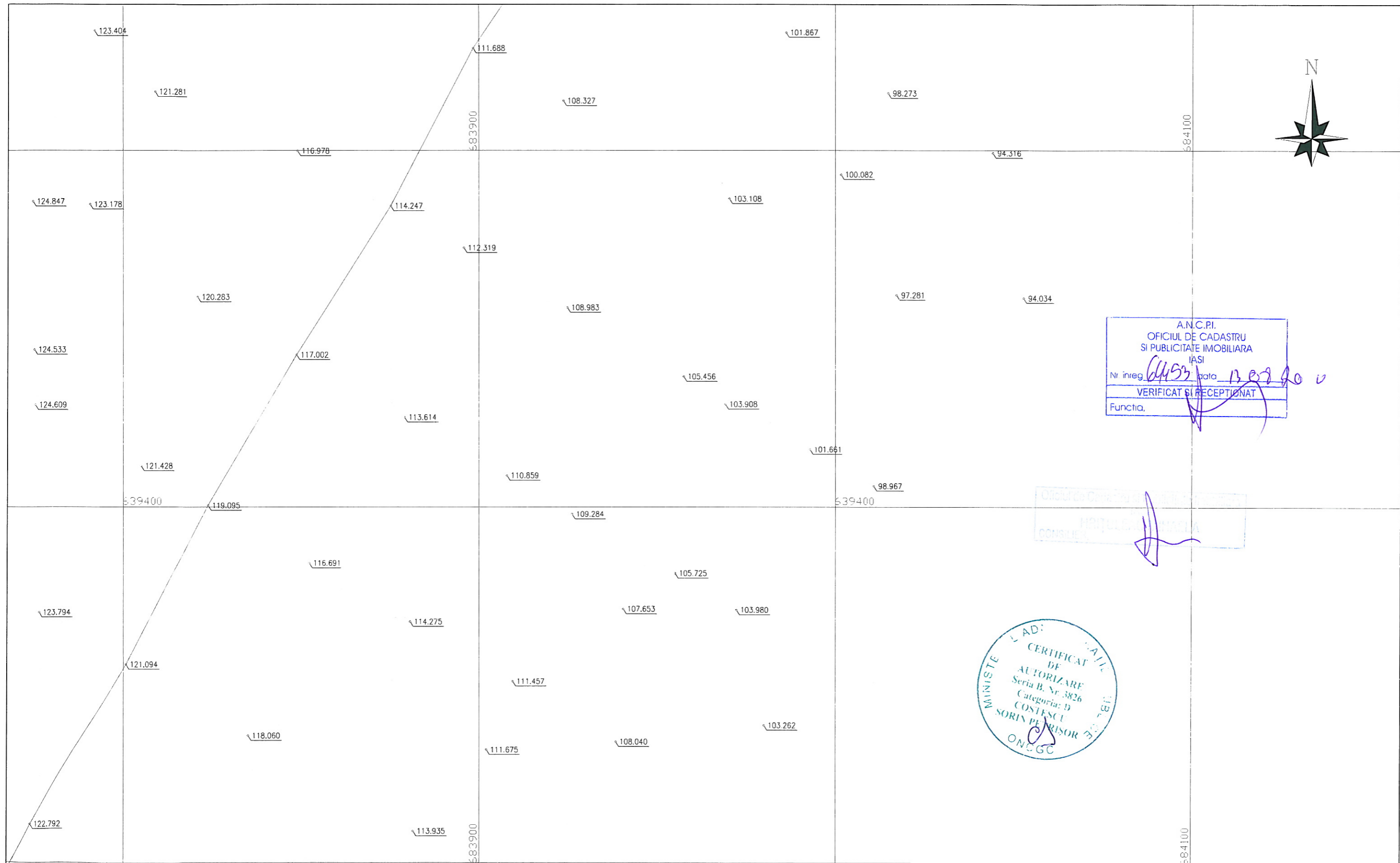
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 13.07.200
 VERIFICAT SI RECONFIRMAT
 Functia: _____



SECRET
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Functia: _____



| | | | |
|--|--------------------|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereoa '70 | PLAN Nr. 129 |

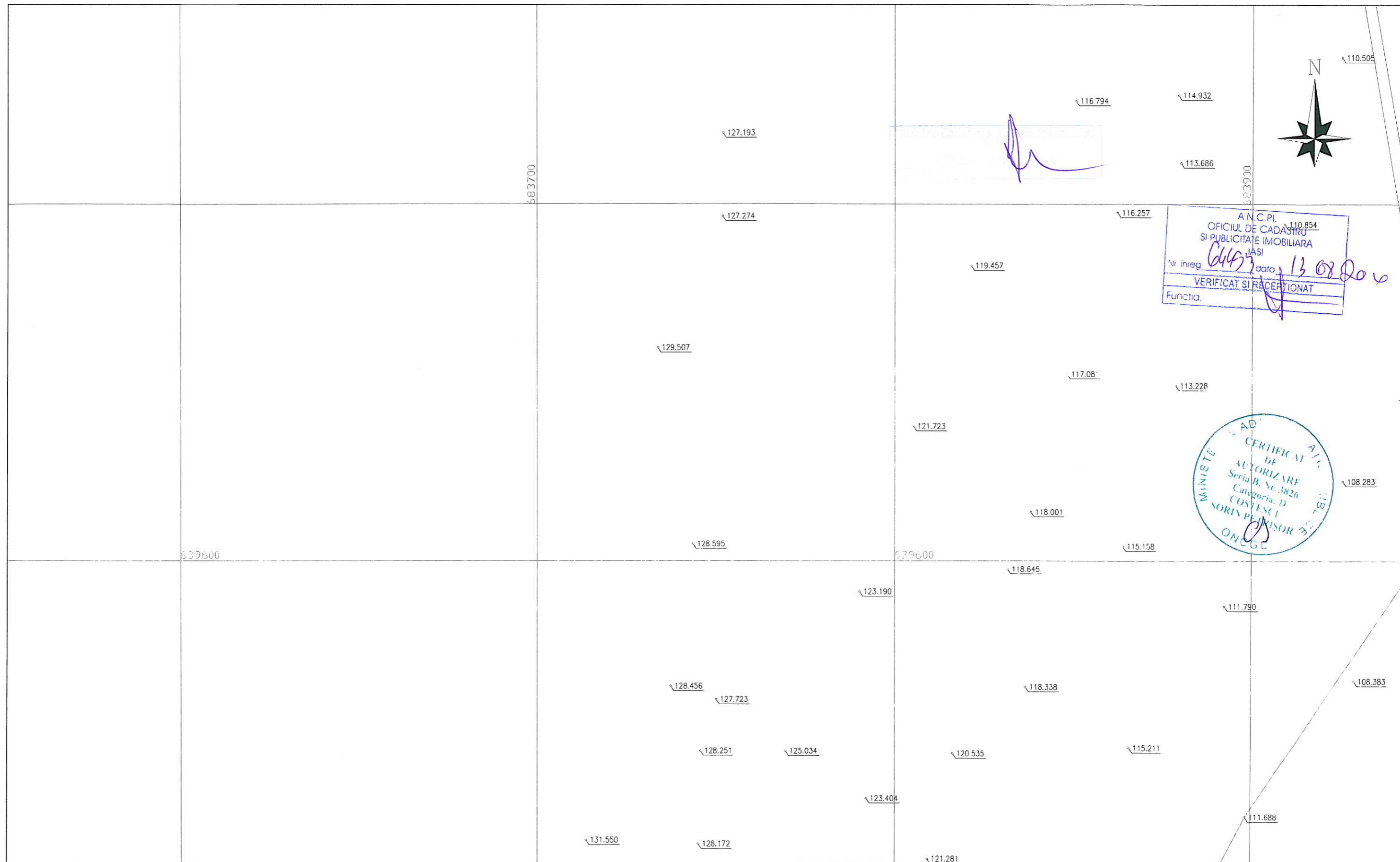


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.02.2010
 VERIFICAT SI RECEPTIONAT
 Functia. _____

CONSILIER

CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEIRISOR
 ONJGC

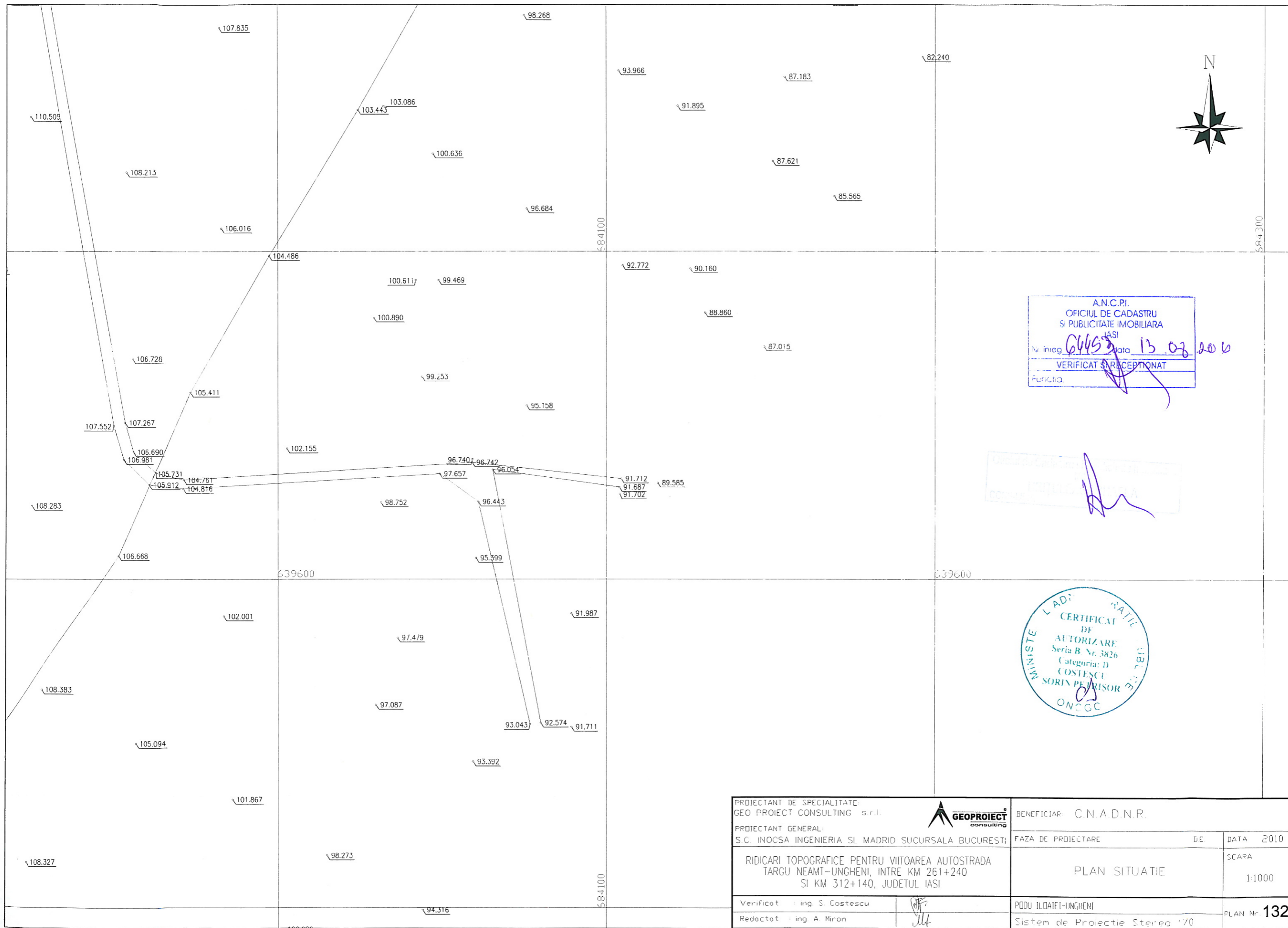
| | | | |
|--|--|---------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCALA 1:1000 |
| Verificat: Ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 130 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereoa '70 | |



A.N.C.P.I. 110.854
 OFICIUL DE CADASTRU SI PUBLICITATE IMOBILIARA IASI
 Nr. inreg. *64637* data *13.08.2010*
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

CERTIFICAT DE AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU SORIN PERMISSOR
 ONCGC

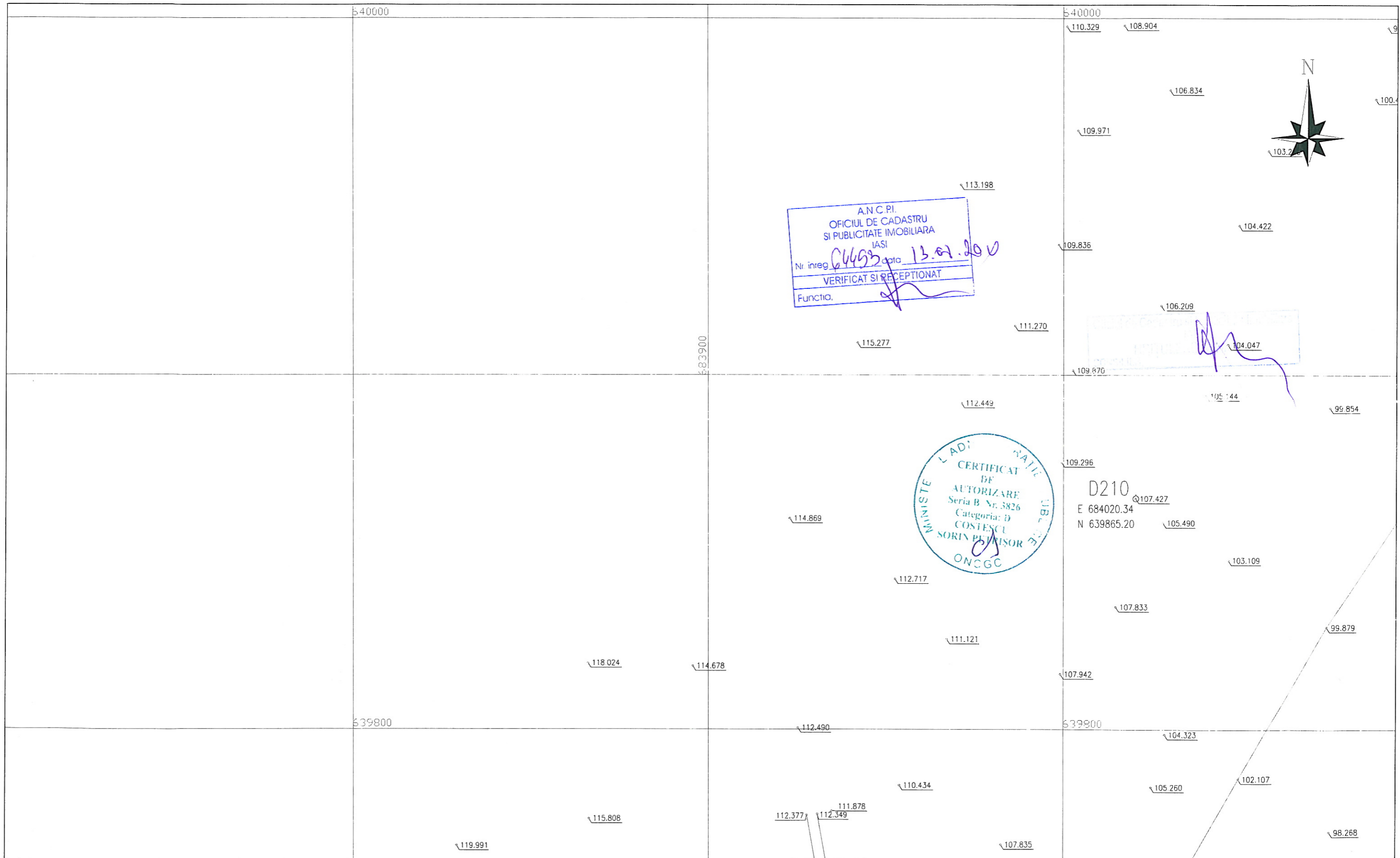
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDAICI-UNGHENI | SCAPA 1:1000 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 131 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6465 data 13.08.2010
 VERIFICAT SI RECEPTONAT
 Functia _____

L. ADI. R. A. T. I. E
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONO GC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCAPA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILDATEI-UNGHENI | PLAN Nr. 132 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

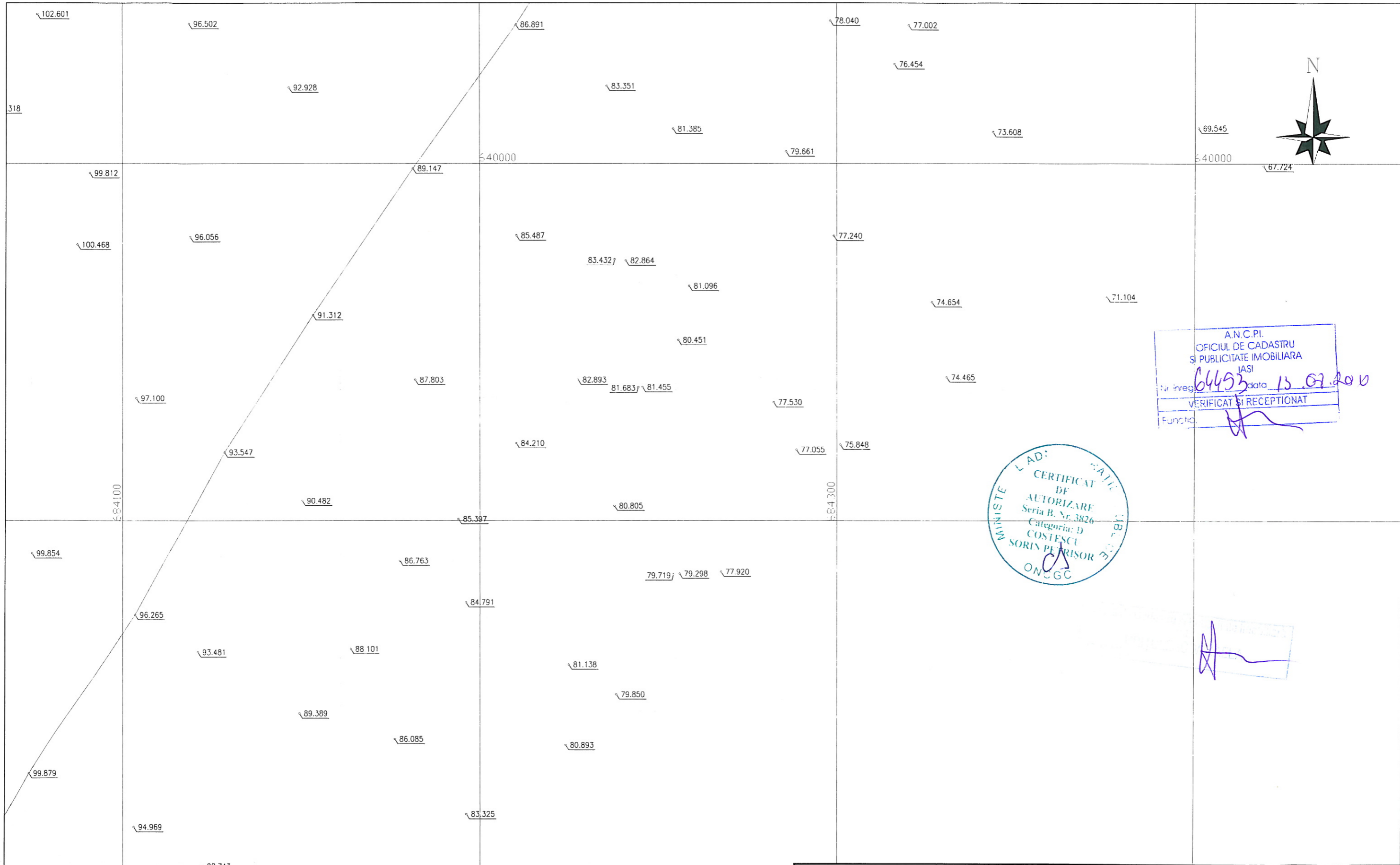


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6463 data 13.07.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

MINISTERUL AGRICULTURII SI PADURILOR
 CERTIFICAT DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

D210
 E 684020.34
 N 639865.20

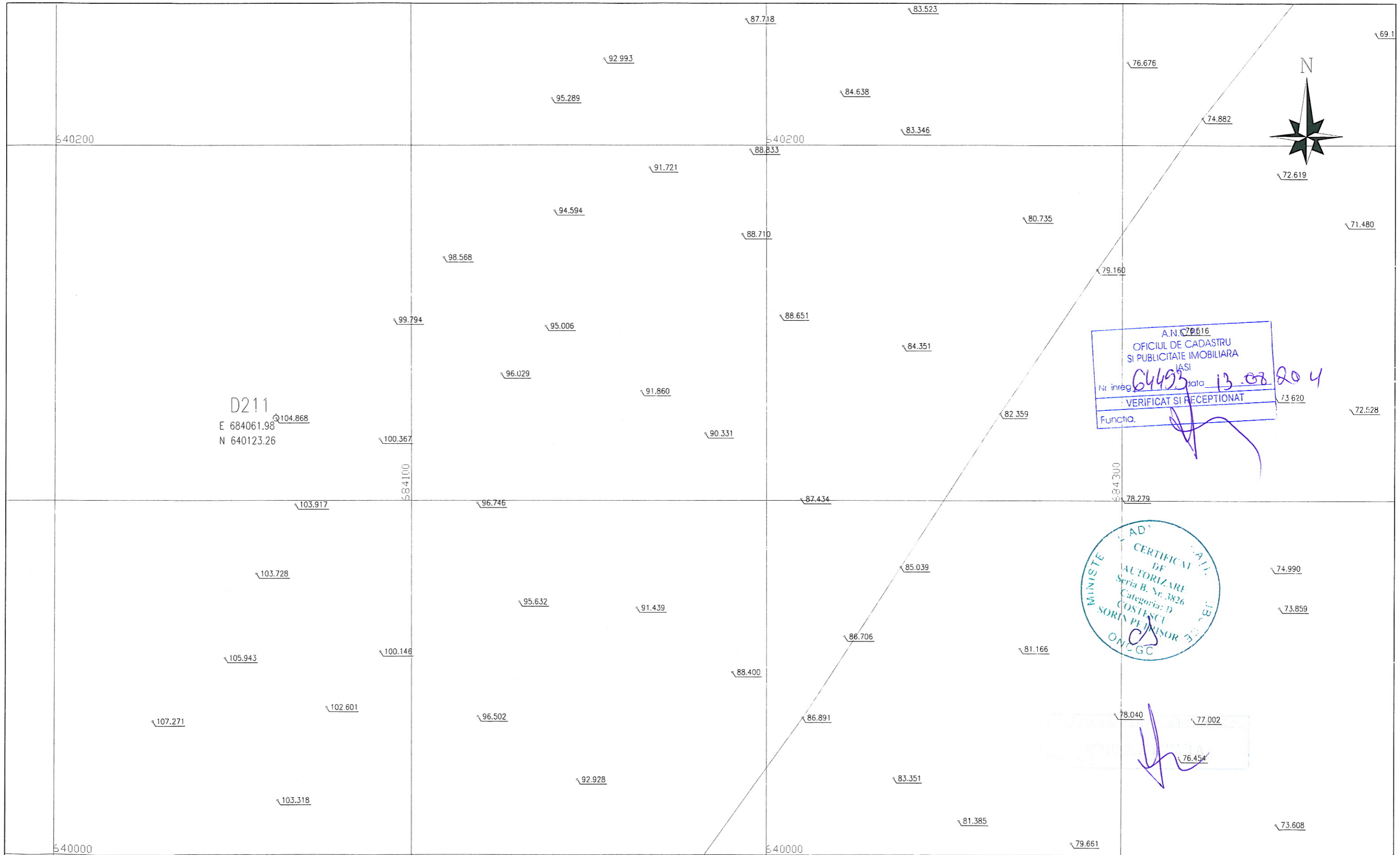
| | | | |
|---|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDEUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing. S. Costescu | | PODU ILODAIEI-UNGHENI | SCAFA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 133 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.07.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILODAIEI-UNGHENI | PLAN Nr. 134 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

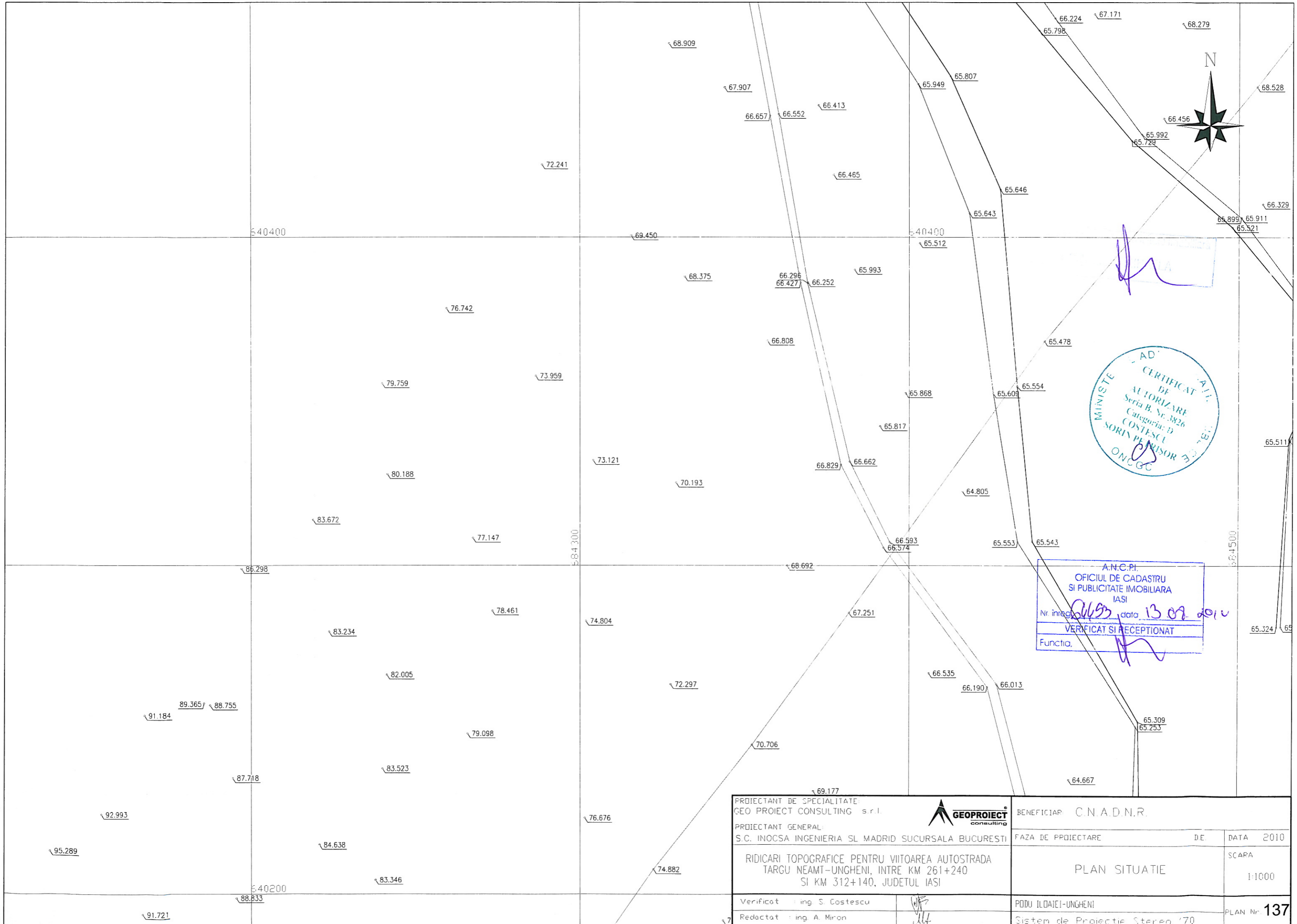


D211
 E 684061.98
 N 640123.26

A.N. 20616
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia.

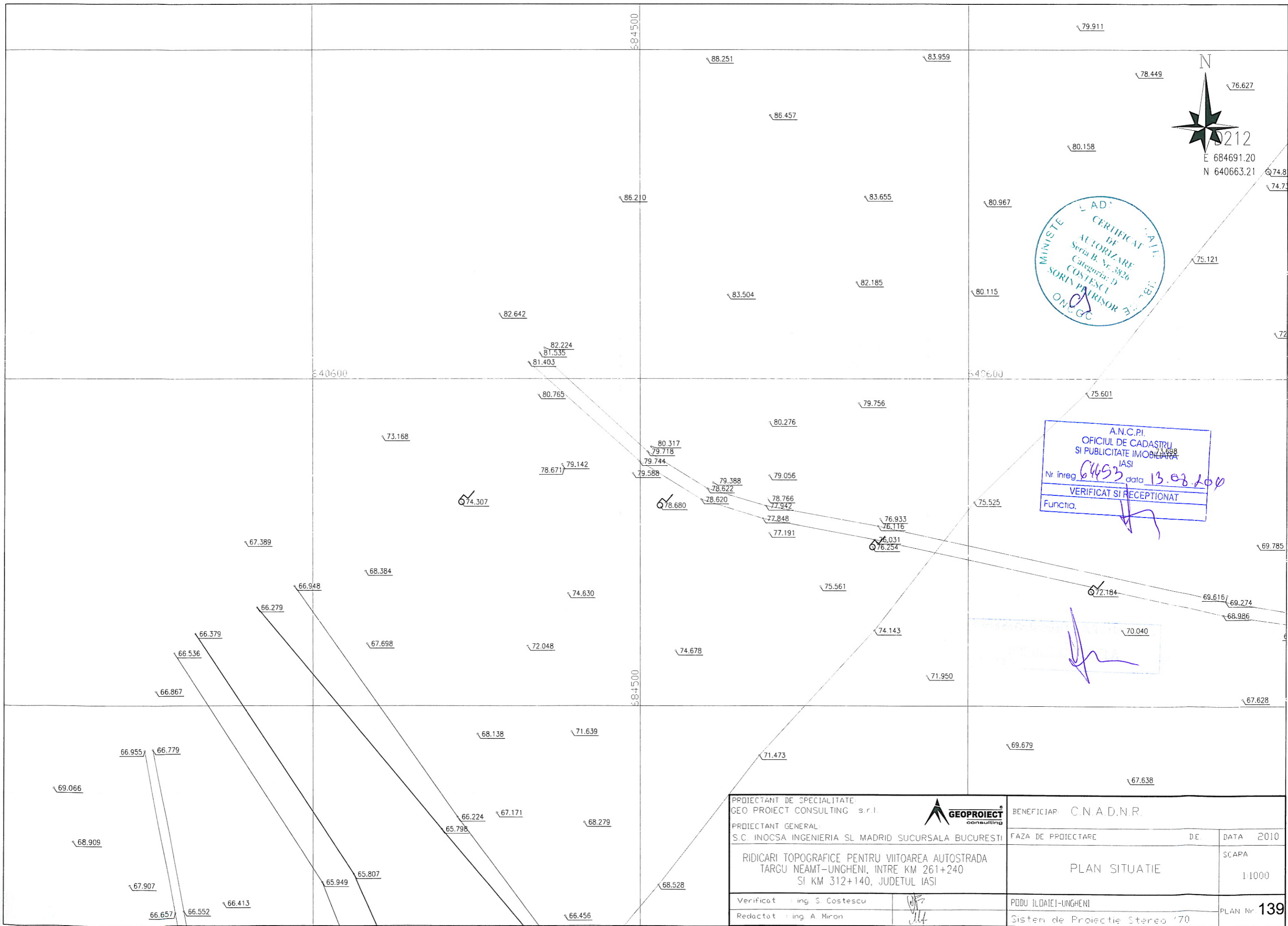
MINISTERUL TRANSPORTURILOR
 AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELENSOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: ing. S. Costescu | | PODU ILODAIEI-UNGHENI | SCARA 1:1000 |
| Redactat: ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 135 |




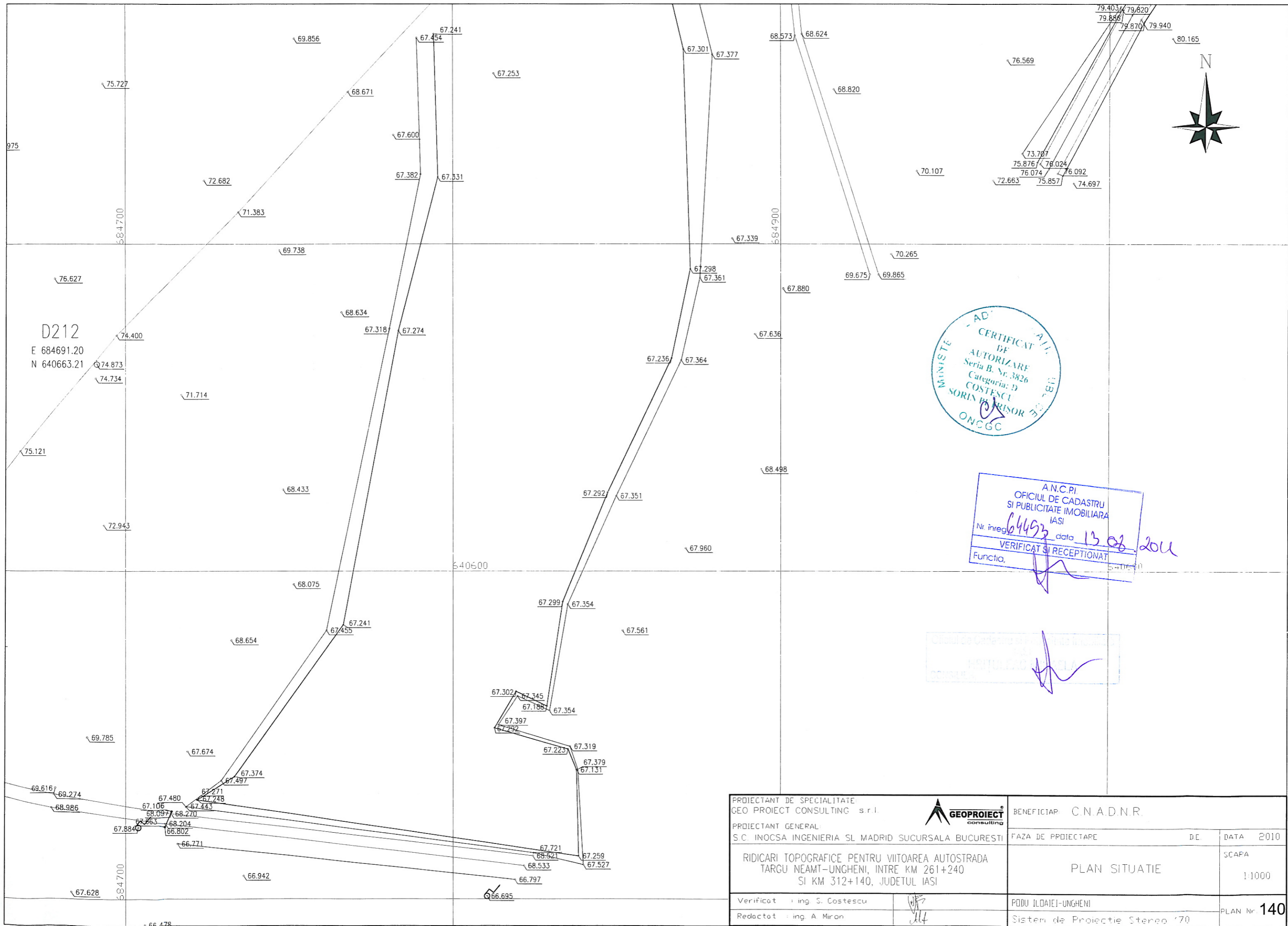
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înregistrare: *1305* data: *13.02.2010*
 VERIFICAT SI RECEPTIONAT
 Functia: *[Signature]*

| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | SCAPA | DATA 2010 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PLAN SITUATIE | 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 137 |
| | | Sistem de Proiectie Stereo '70 | |



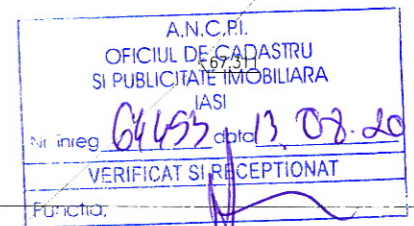
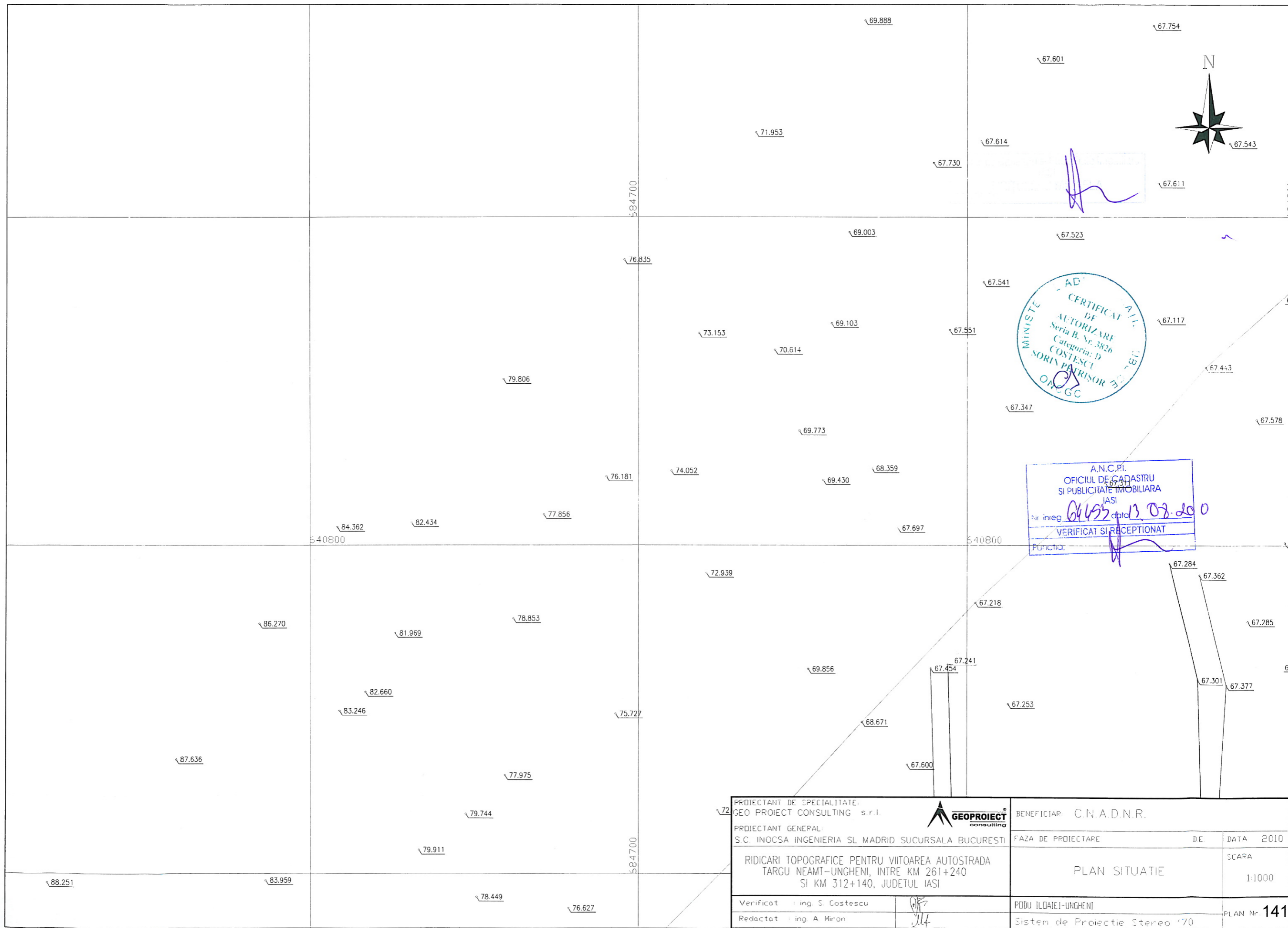
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6453 data 13.08.200
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

| | | | |
|--|--|--------------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l.  | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA | 2010 |
| | | SCAPA | 1:1000 |
| Verificat : ing. S. Costescu <i>[Signature]</i> | | PODU ILDAIEI-UNGHENI | PLAN Nr. 139 |
| Redactat : ing. A. Miron <i>[Signature]</i> | | Sistem de Proiectie Stereografic '70 | |

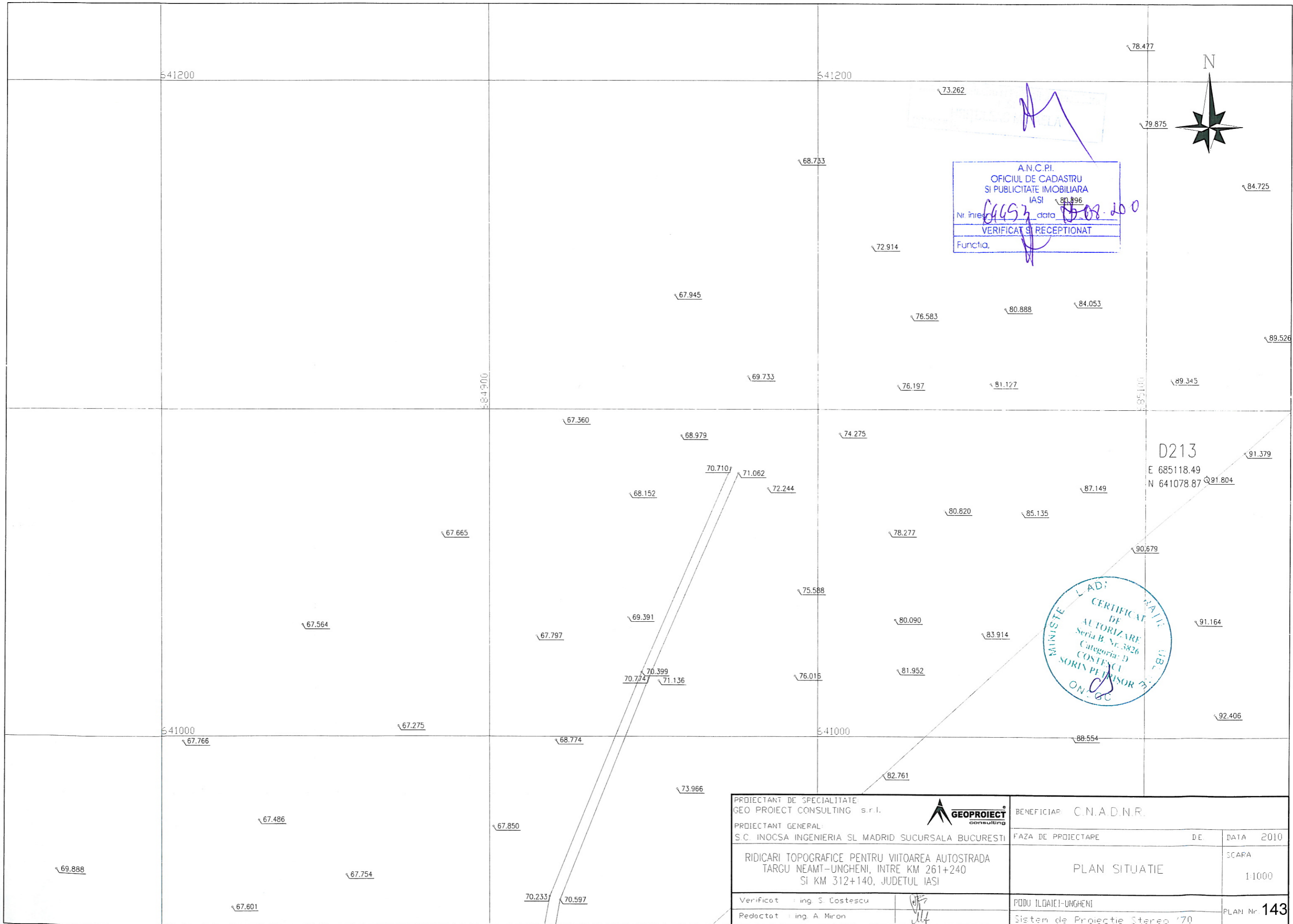


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. 64493 data 13.08.2011
 VERIFICAT SI RECEPTIONAT
 Funcția, _____

| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | | DATA 2010 |
| Verificat : ing. S. Costescu | <i>S. Costescu</i> | SCAFA | |
| Redactat : ing. A. Miron | <i>A. Miron</i> | PLAN SITUATIE | 1:1000 |
| | | PODU ILOAIEI-UNGHENI | PLAN Nr. 140 |
| | | Sistem de Proiectie Stereo '70 | |



| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat : Ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCALA 1:1000 |
| Redactat : Ing. A. Miron | | | |
| | | Sistem de Proiectie Stereo '70 | PLAN Nr. 141 |

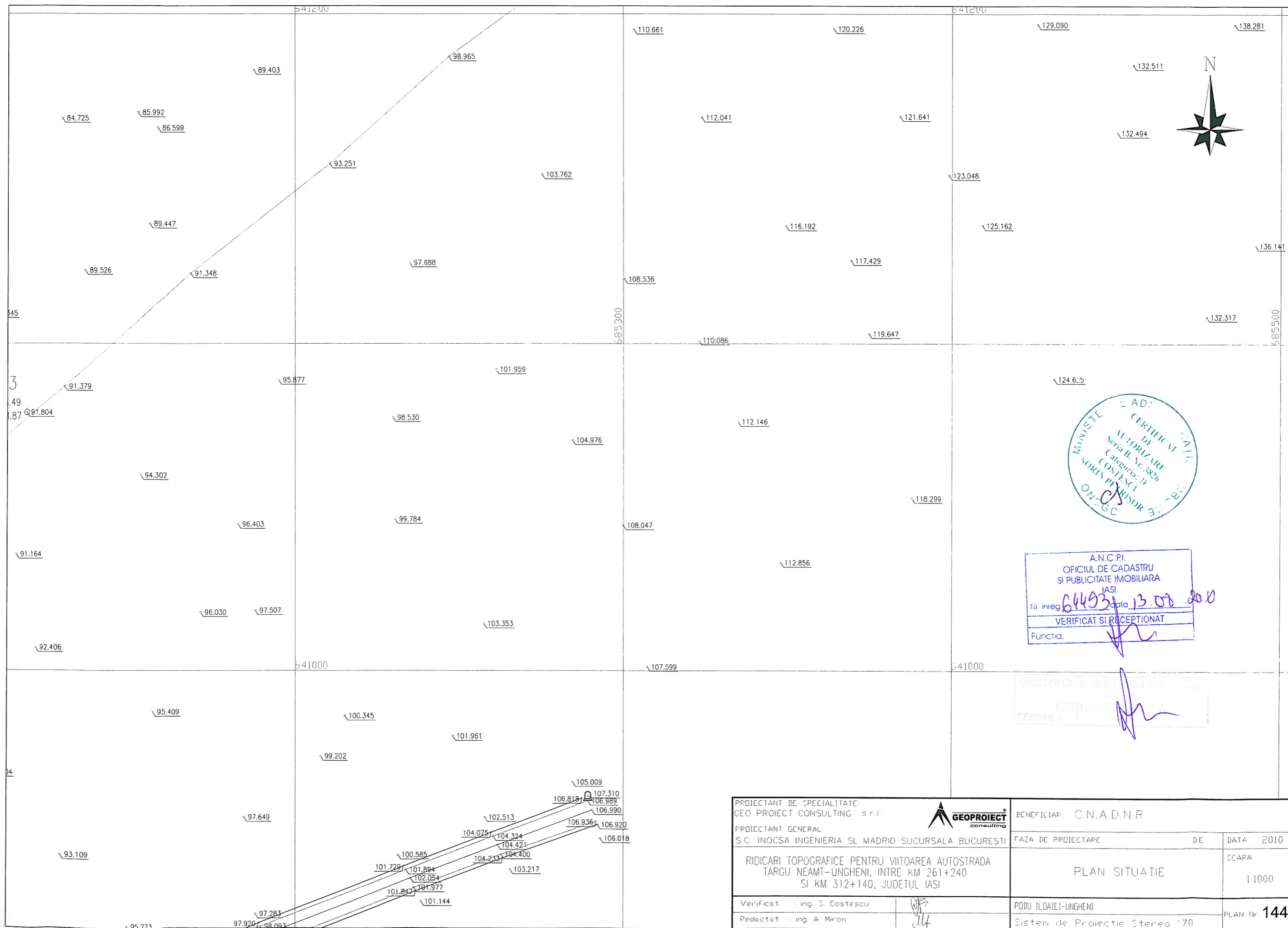


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înregistrare: 6457, data: 05.08.200
 VERIFICAT SI RECEPTIONAT
 Functia:

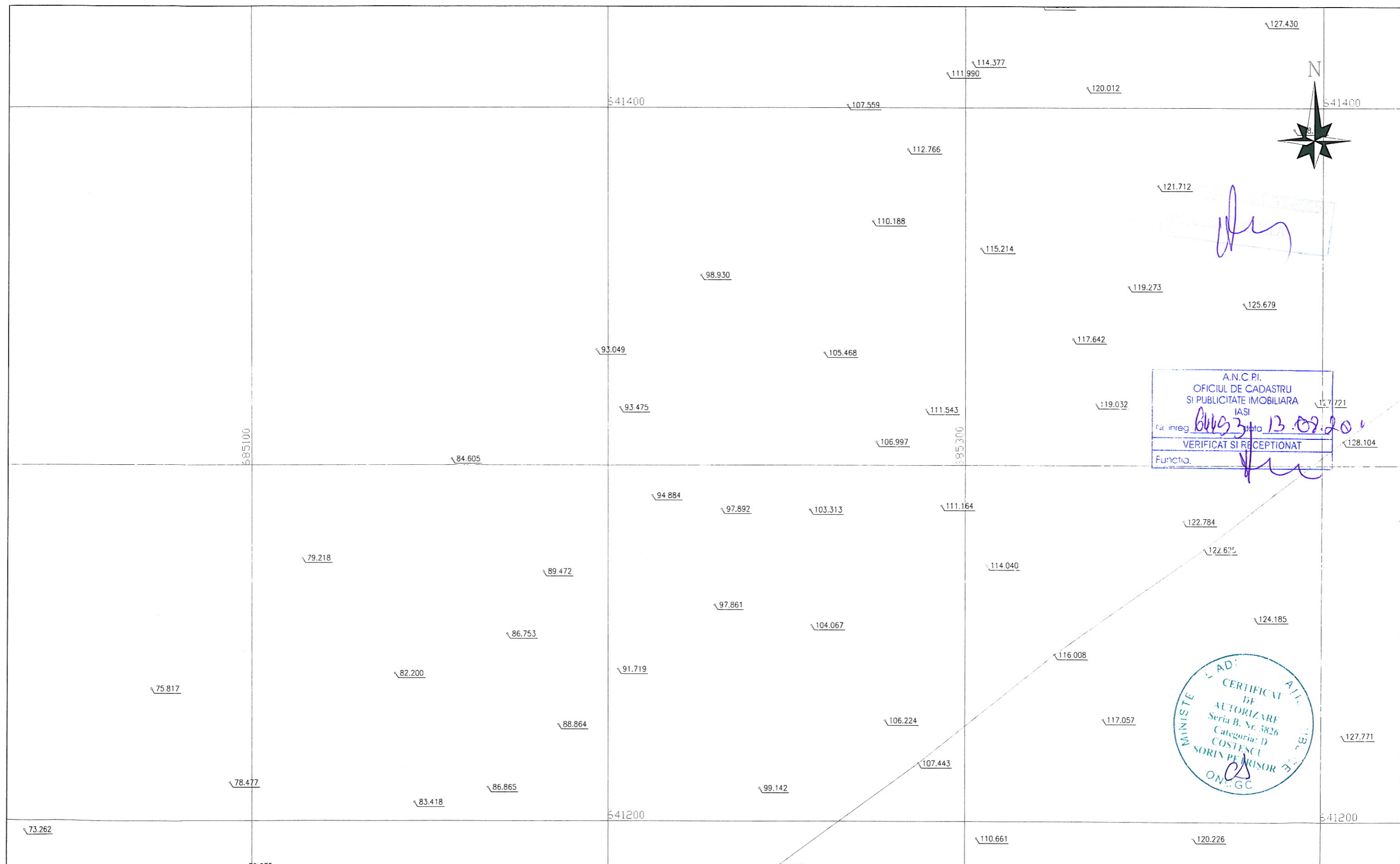
MINISTERUL AGRICULTURII SI PADURILOR
 CERTIFICAT DE AUTORIZARE
 Seria B Nr. 5826
 Categoria: D
 COSTESCU SORIN PELEGRIN
 ON: 80

D213
 E 685118.49
 N 641078.87

| | | | |
|--|--|--------------------------------|----|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA 2010 | |
| Verificat: ing. S. Costescu | | SCARA | |
| Redactat: ing. A. Miron | | PLAN SITUATIE | |
| | | 1:1000 | |
| | | PODU ILGAIEI-UNGHENI | |
| | | Sistem de Proiectie Stereo '70 | |
| | | PLAN Nr. 143 | |



| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA | 2010 |
| Verificat: Ing. S. Costescu | | SCARA | 1:1000 |
| Redactat: Ing. A. Miron | | PODU ILDATEI-UNGHENI | PLAN Nr. 144 |
| | | Sistem de Proiectie Stereo '70 | |

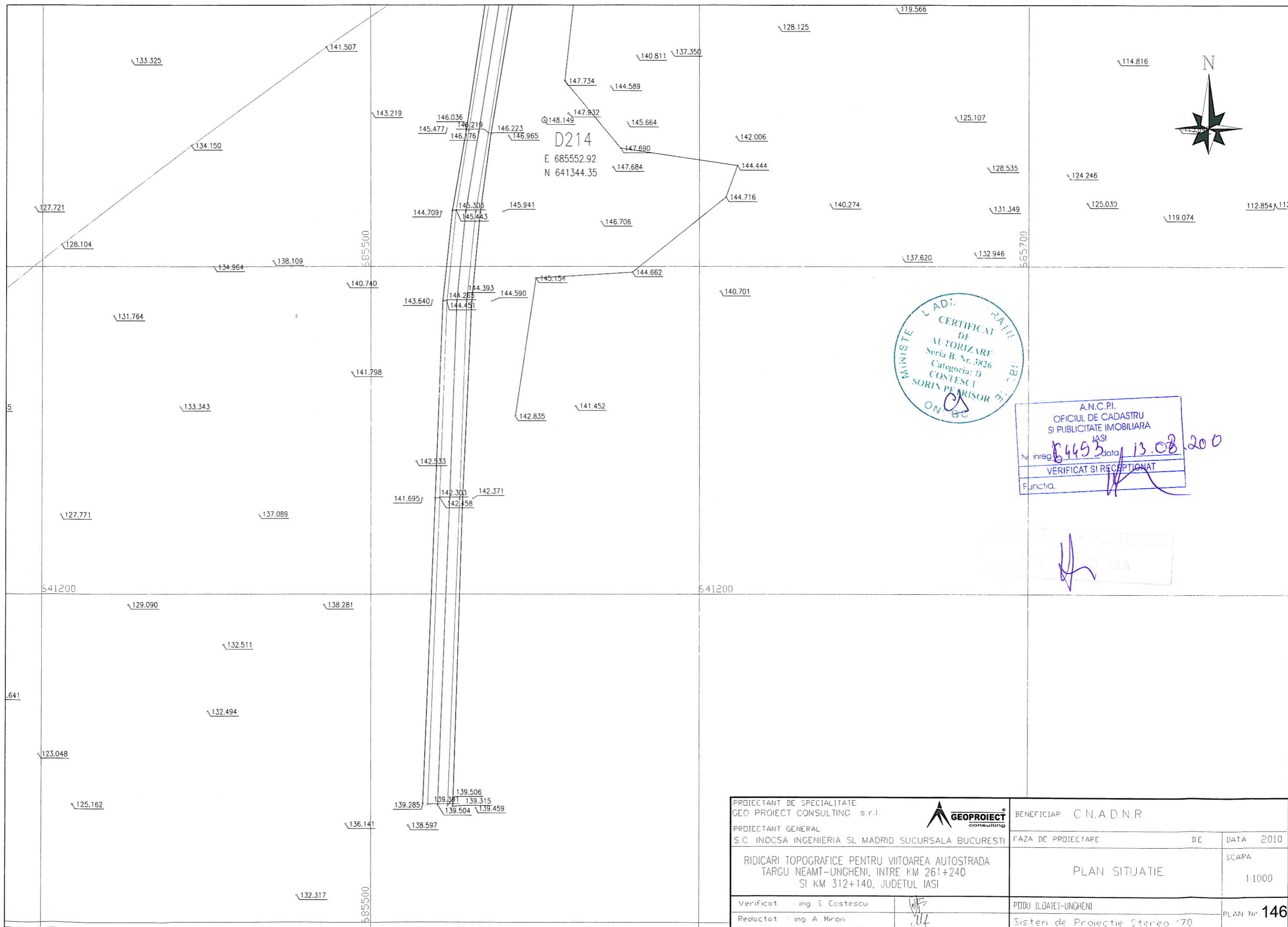


[Handwritten signature]

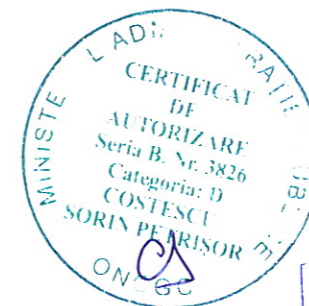
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. *Buc 3* data *13.02.2010*
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERISOR
 ON: GC

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat: Ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 145 |
| Redactat: Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

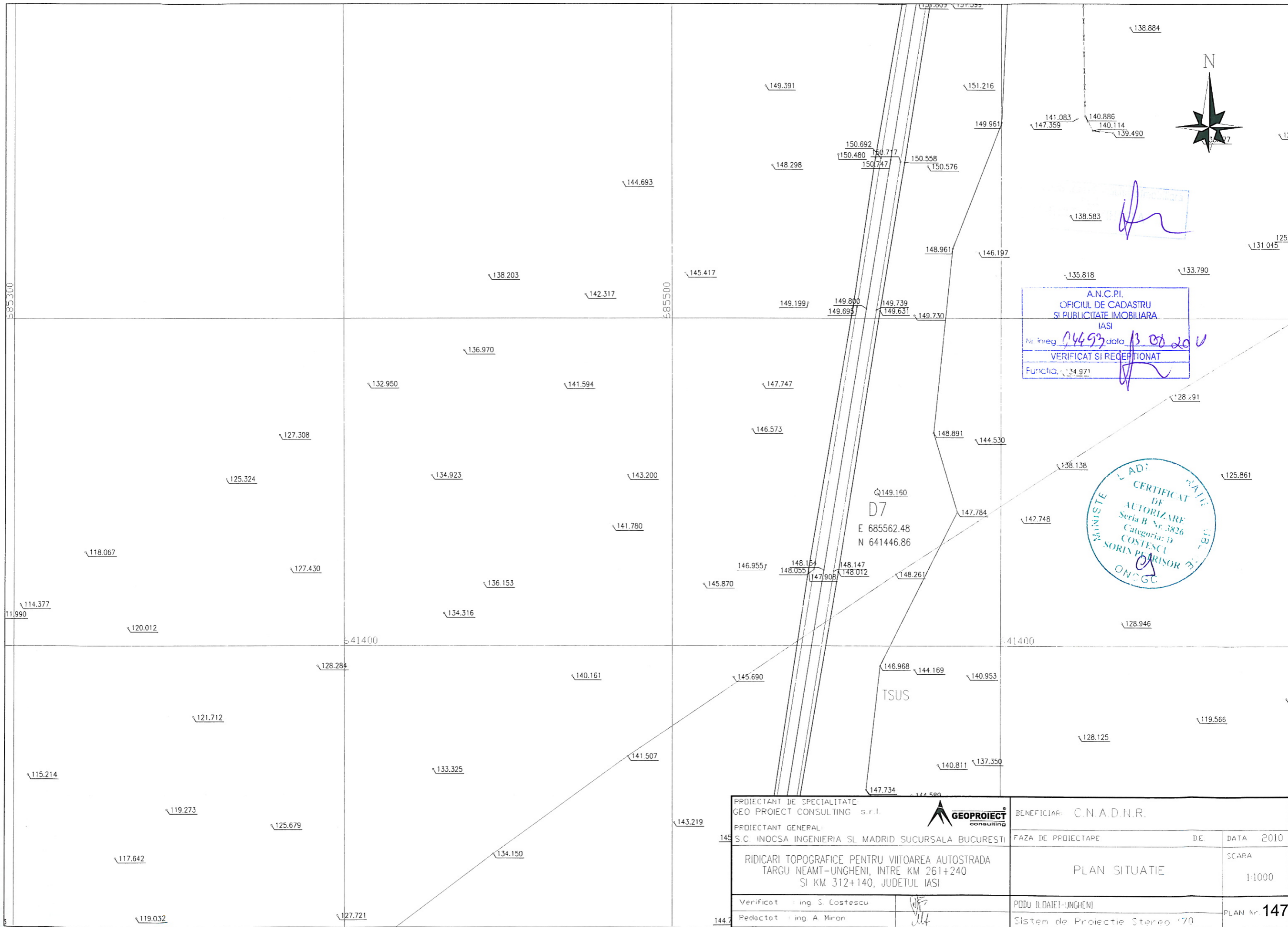


D214
E 685552.92
N 641344.35



A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg. 64493 data 13.08.200
VERIFICAT SI RECEPTIAT
Functia.

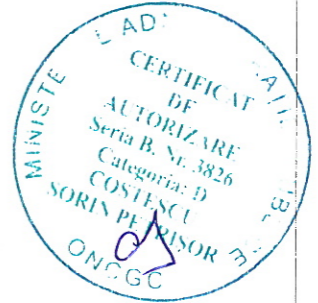
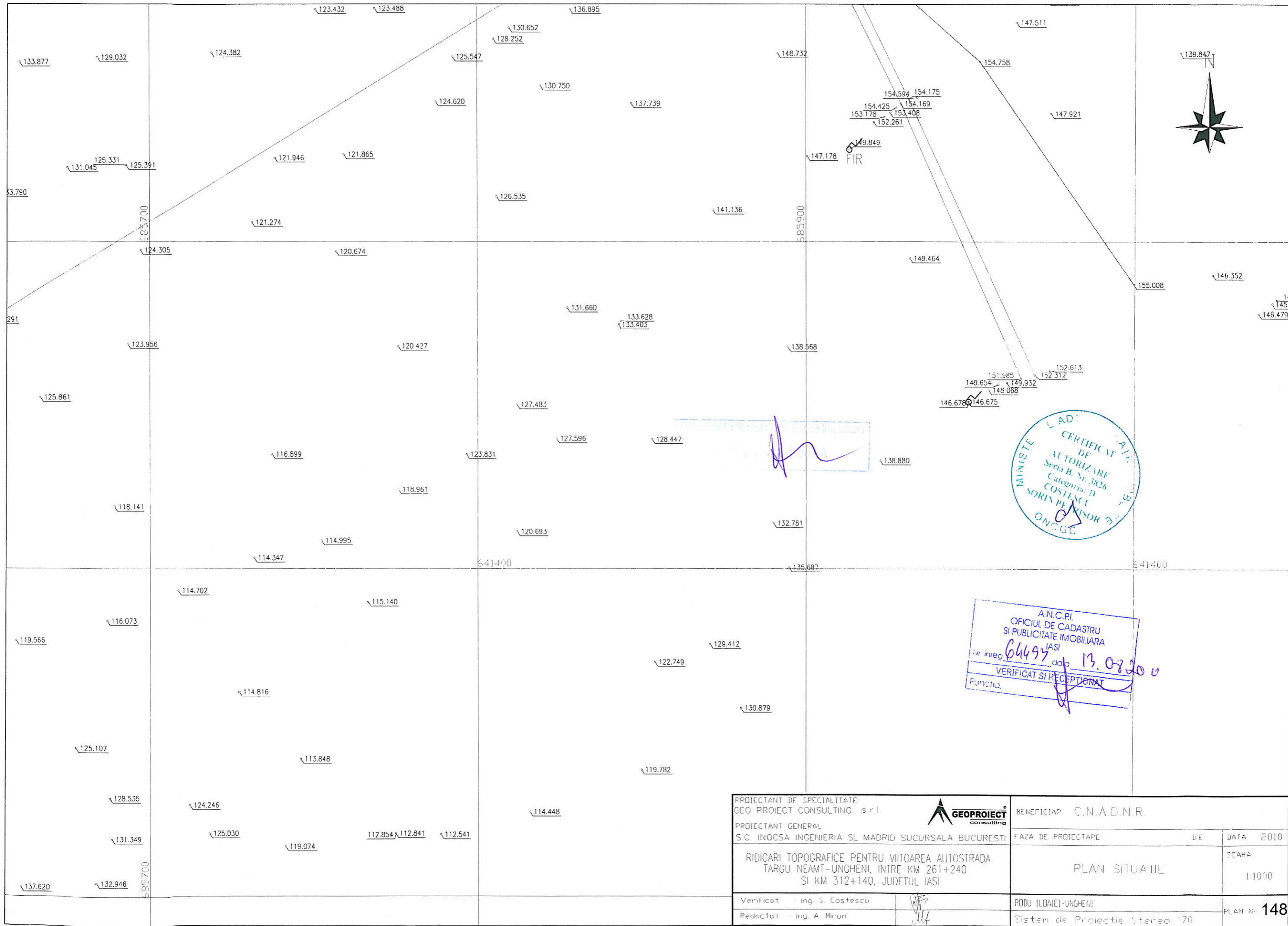
| | | | |
|--|--|---------------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat : ing. S. Costescu | | PODU ILDATEI-UNGHENI | SCAPA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereografica '70 | PLAN Nr. 146 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. Inreg. 14493 data 13.08.2010
 VERIFICAT SI RECEPTIIONAT
 Functia: 34.971

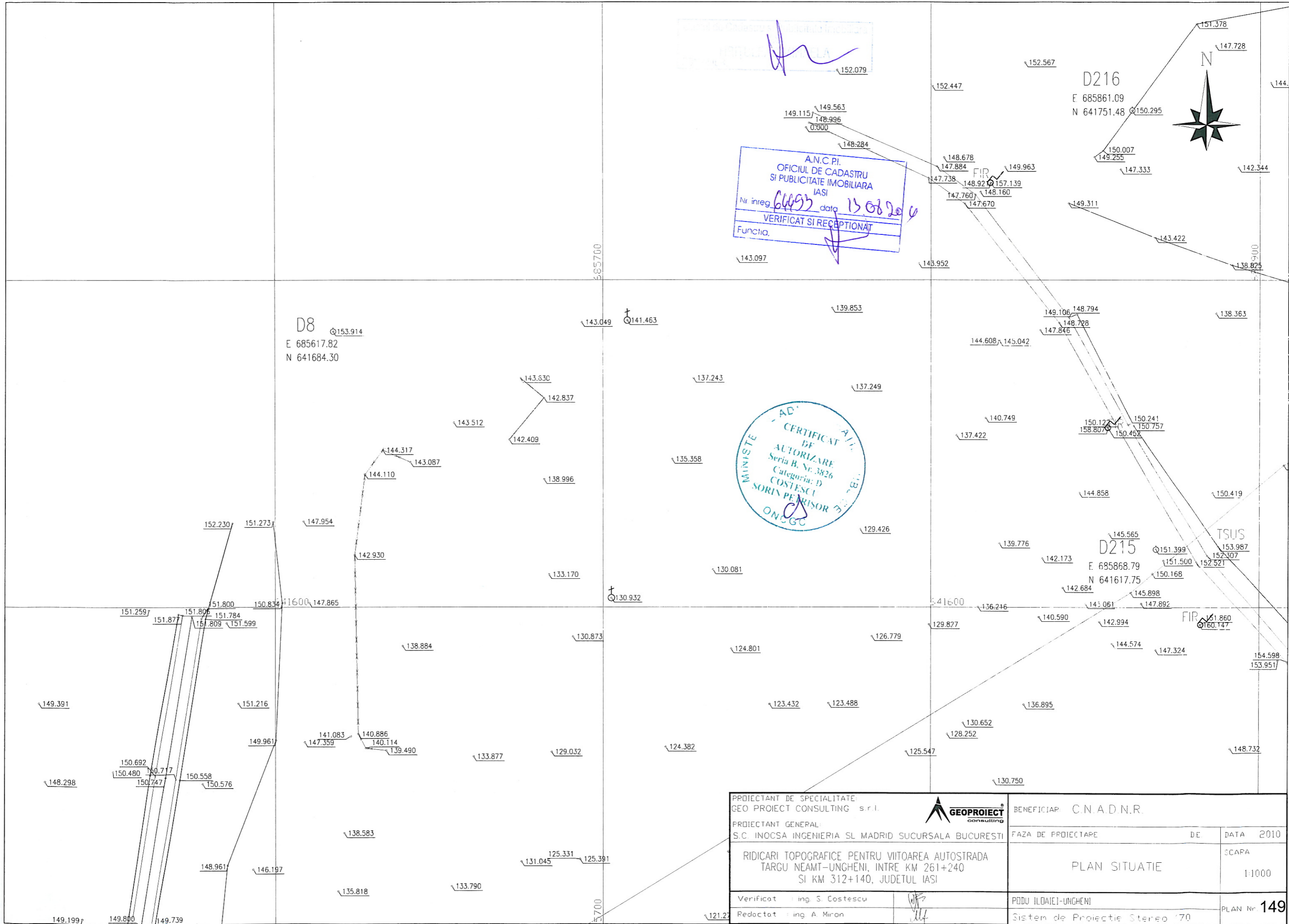
CERTIFICAT DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PLARISOR
 ONDGC

| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGINERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 |
| Verificat: Ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCALA 1:1000 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 147 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 ȘI PUBLICITATE IMOBILIARĂ
 IASI
 Nr. înreg. 64497 data 13.07.2010
 VERIFICAT ȘI RECEPTAT
 Funcția.

| | | | |
|--|--|-----------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA ȘI MADRID SUCURSALA BUCUREȘTI | | FAZA DE PROIECTARE | DE |
| RIDICĂRI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, ÎNTRE KM 261+240 ȘI KM 312+140, JUDEȚUL IASI | | PLAN SITUAȚIE | DATA 2010 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCAFA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiecție Stereografică | PLAN Nr. 148 |



152.079

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg. 6493 data 13.08.2016
VERIFICAT SI RECEPTIONAT
Funcția.

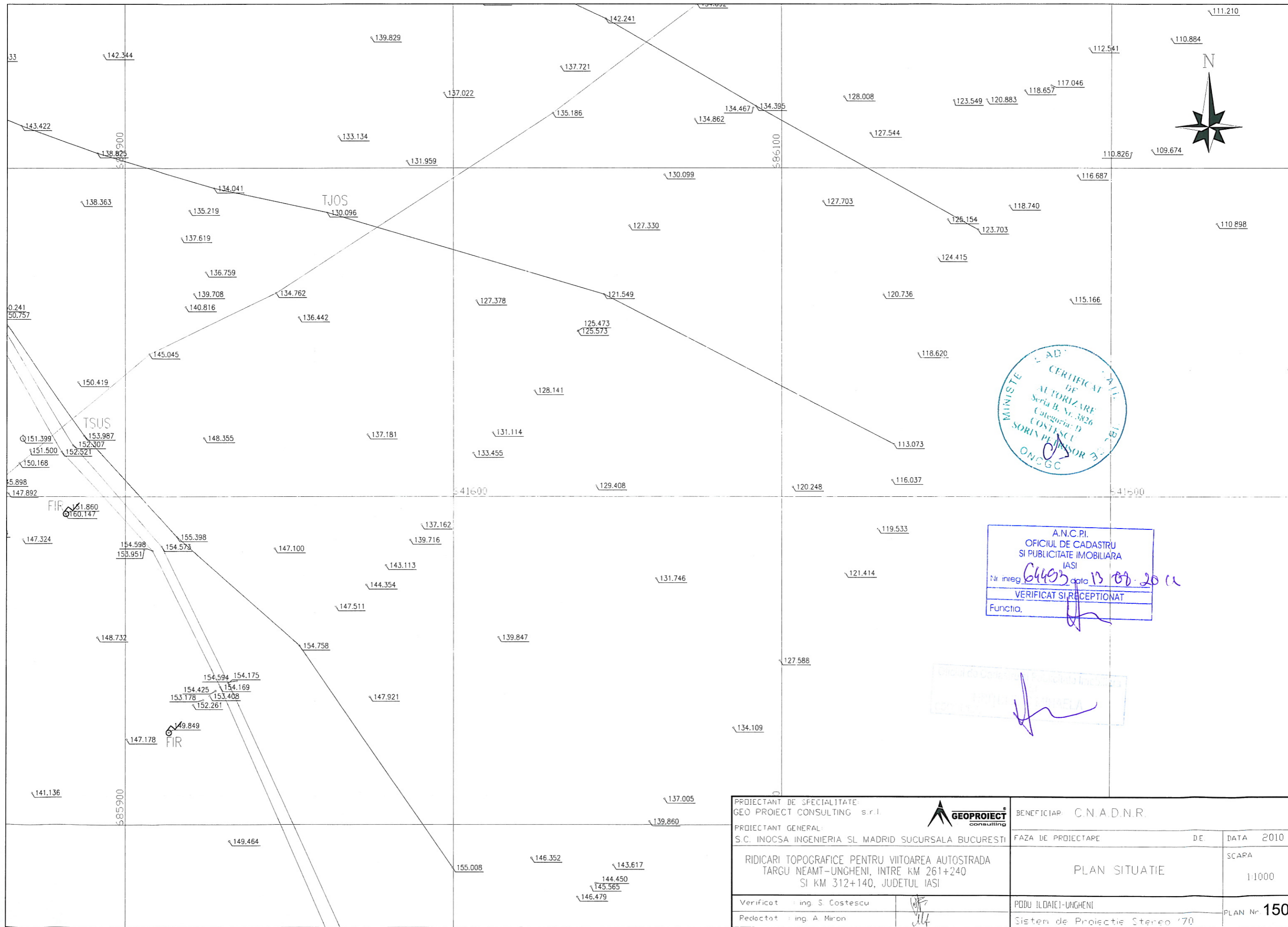
CERTIFICAT DE
AUTORIZARE
Seria B, Nr. 3826
Categorie: D
COSTESCU
SORIN PEARISOR
ONCGC

D8
E 685617.82
N 641684.30

D216
E 685861.09
N 641751.48

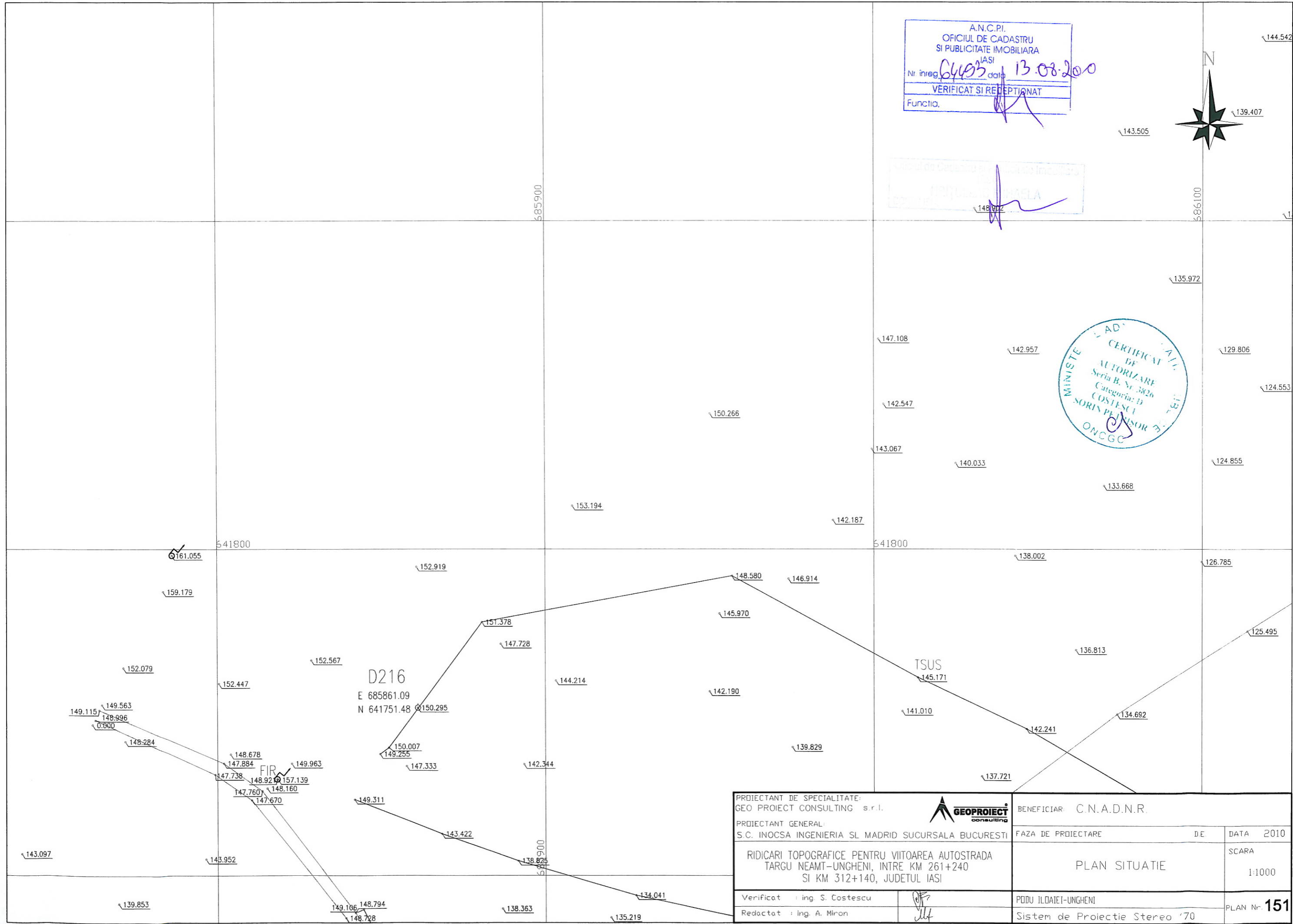
D215
E 685868.79
N 641617.75

| | | | |
|--|--|--------------------------------|---------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCARA: 1:1000 |
| Redactat: Ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 149 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 ȘI PUBLICITATE IMOBILIARĂ
 IASI
 Nr. înreg. 64493 data 13.08.2011
 VERIFICAT ȘI RECEPȚIONAT
 Funcția: _____

| | | | |
|--|-------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat: Ing. S. Costescu | _____ | PODU ILDAIEI-UNGHENI | SCAPA 1:1000 |
| Redactat: Ing. A. Miron | _____ | Sistem de Proiecție Stereo '70 | PLAN Nr. 150 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64403 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia. _____

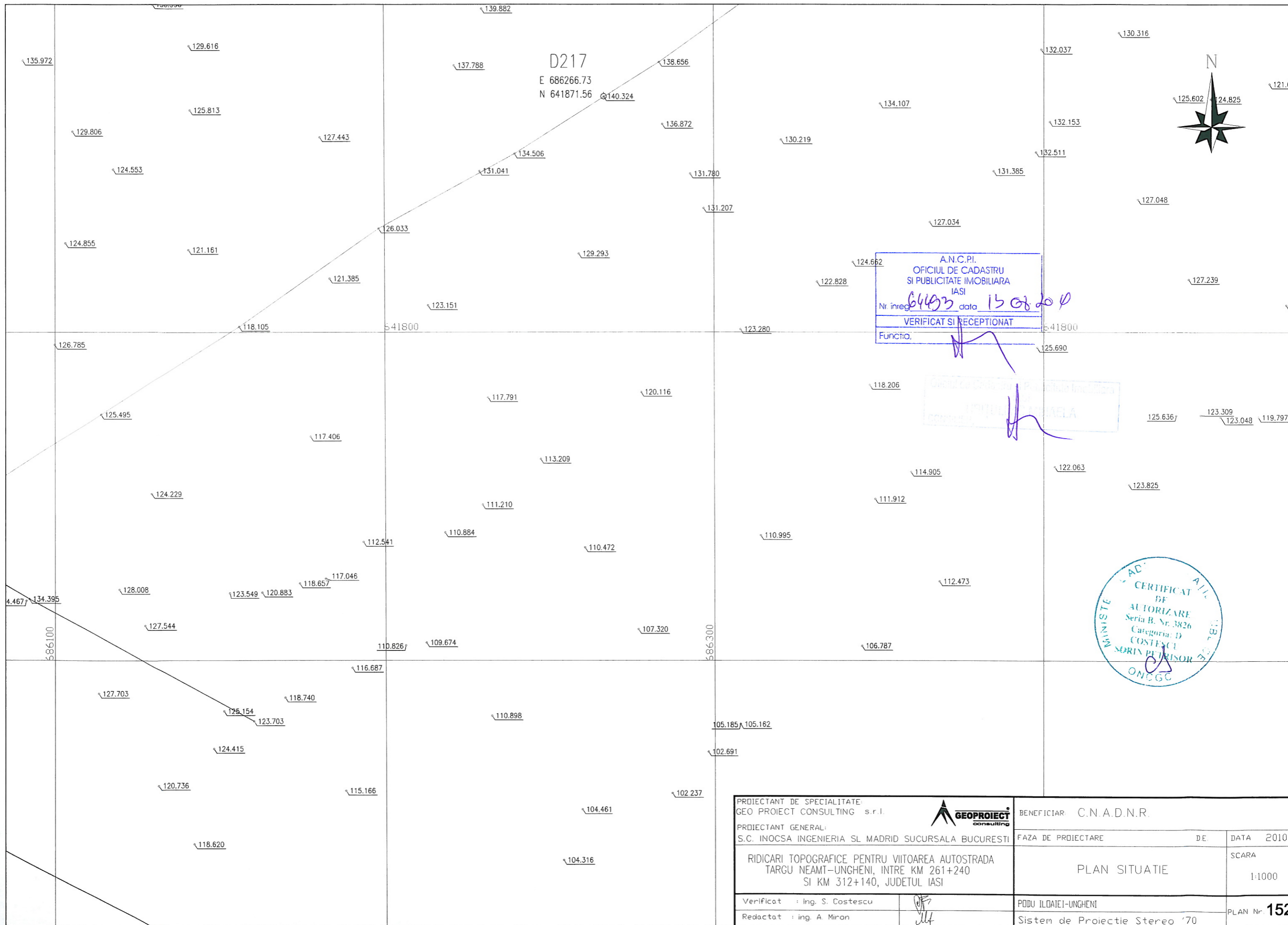
OFICIUL de Cadastru si Publicitate Imobiliara
 IASI
 PRITILIA GHIHAELA
 148.912



D216
 E 685861.09
 N 641751.48

TSUS
 145.171

| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 151 |

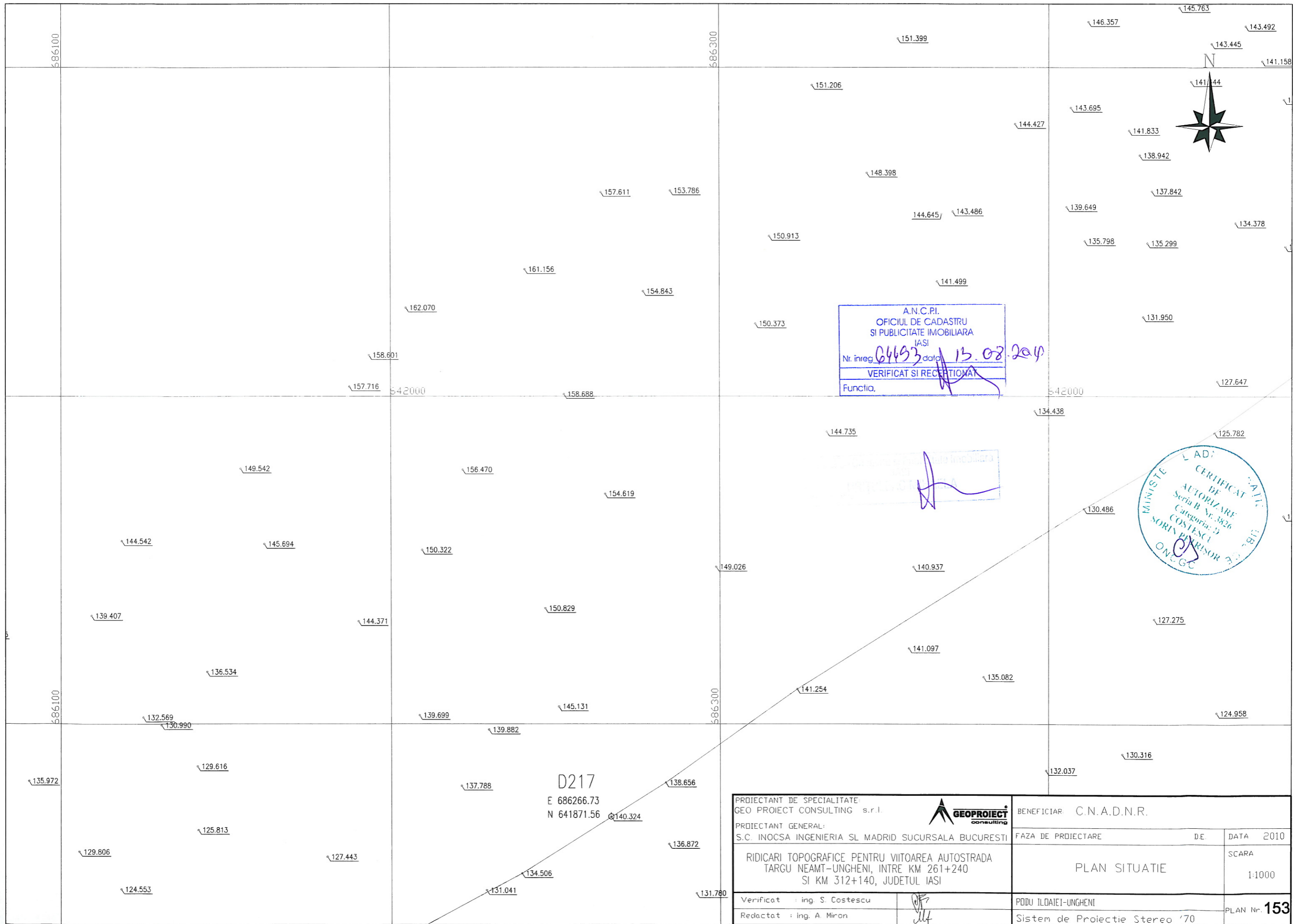


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia: _____

Oficiul de Cadastru si Publicitate Imobiliara
 IASI
 MARIA CRISTINA
 ANTESELA

MINISTERUL DE AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria D
 COSTESCU
 SORIN PETRISOR
 ONCCG

| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 152 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

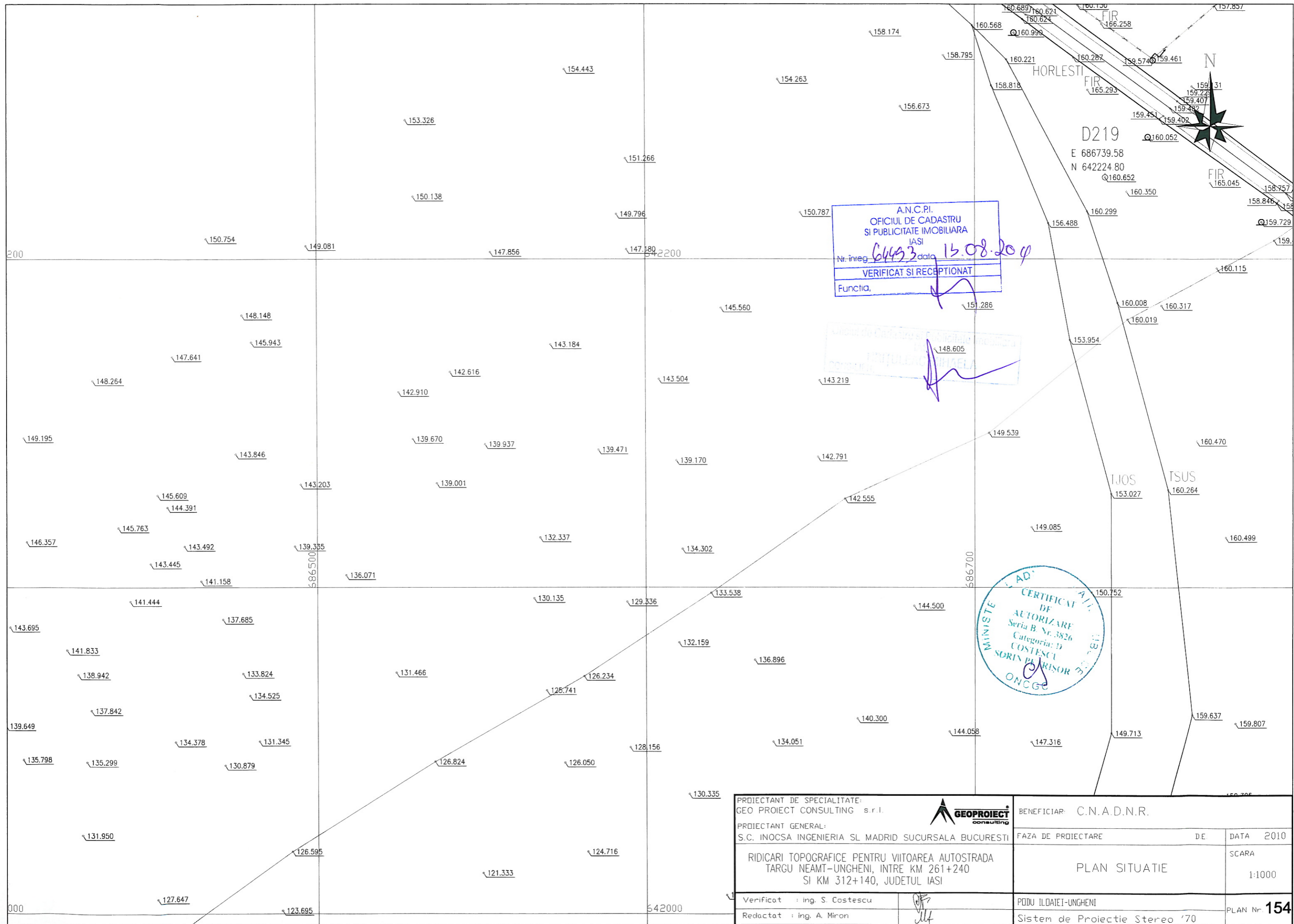


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64693 data 13.08.2014
 VERIFICAT SI RECEPTIAT
 Functia.

MINISTERUL DE INTERNE
 CERTIFICAT DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria 3
 COSTESCU
 SORIN PEARISOR
 ON-CC

D217
 E 686266.73
 N 641871.56

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 153 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

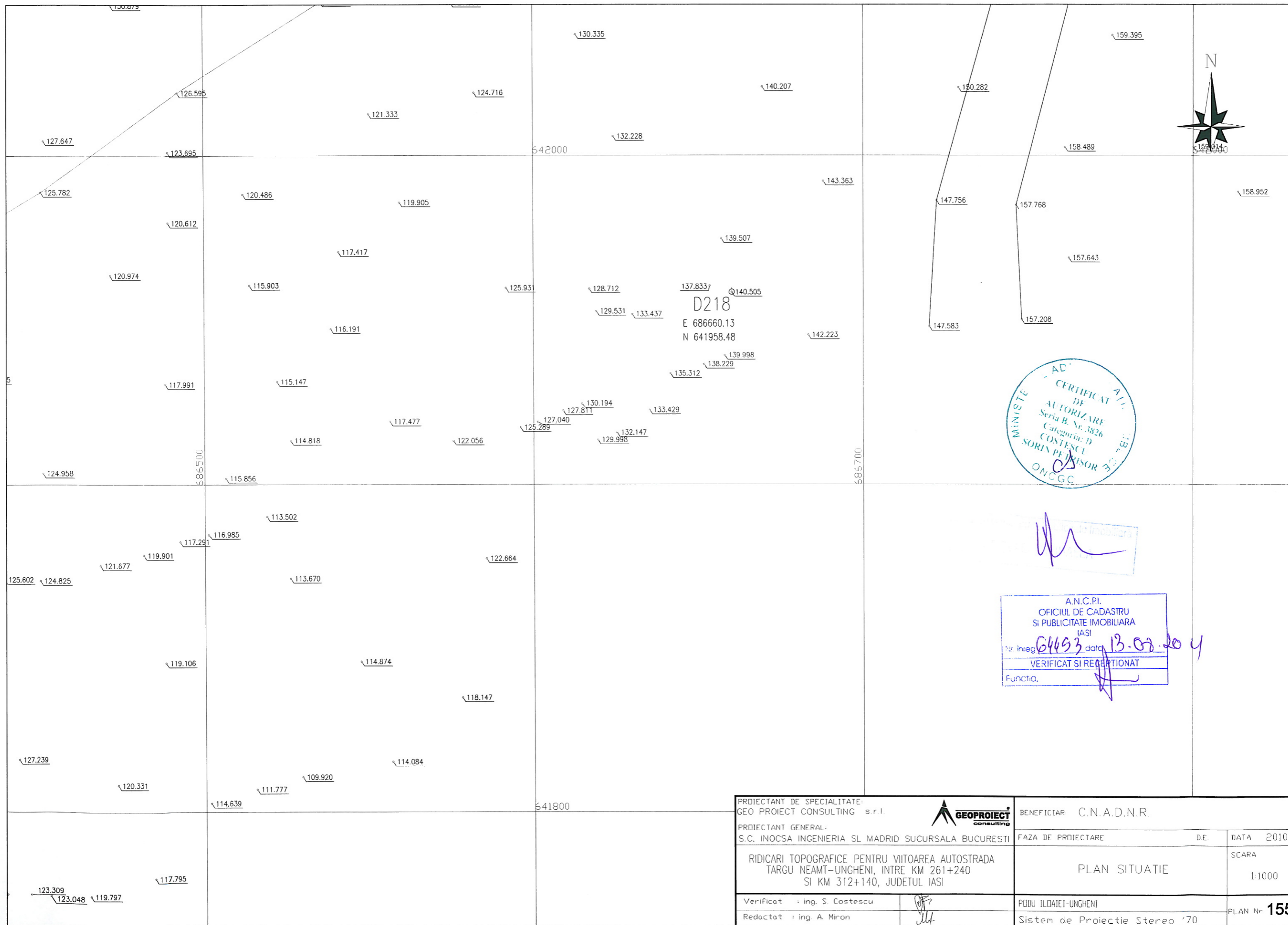


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. _____

Ministerul Infrastructurii si Transporturilor
 Autoritatea Nationala de Reglementare si Servicii Publice
 Director General
 Ing. IULIANA MIHAELA

CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN P. ARISOR
 ONCGE

| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILOATEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 154 |

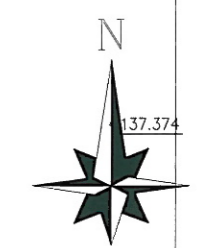


[Handwritten signature]

A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr. inreg. 64493 data 13.02.2010
VERIFICAT SI RECEPTIONAT
Functia. *[Signature]*

| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 155 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

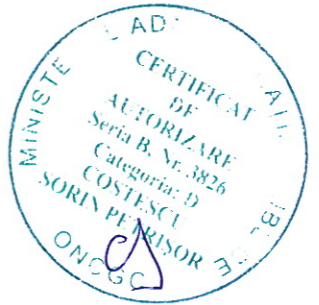
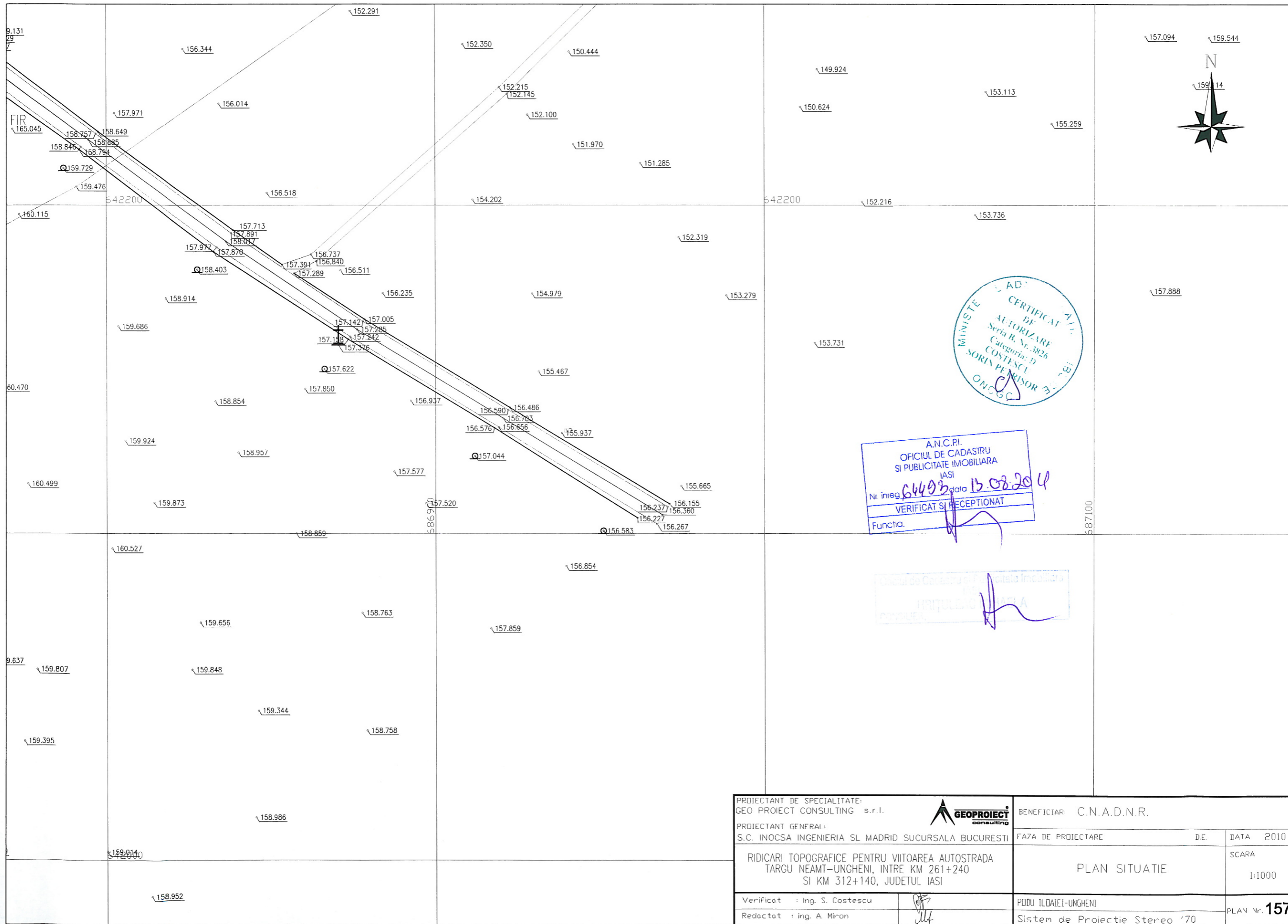
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. **6493** data **13.08.2014**
 VERIFICAT SI RECEPTIONAT
 Funcția.



CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3836
 Categoria: D
 COSTESCU
 SORIN PETRUSOR
 ONCGC

HORLESTI
 FIR
 D219
 E 686739.58
 N 642224.80

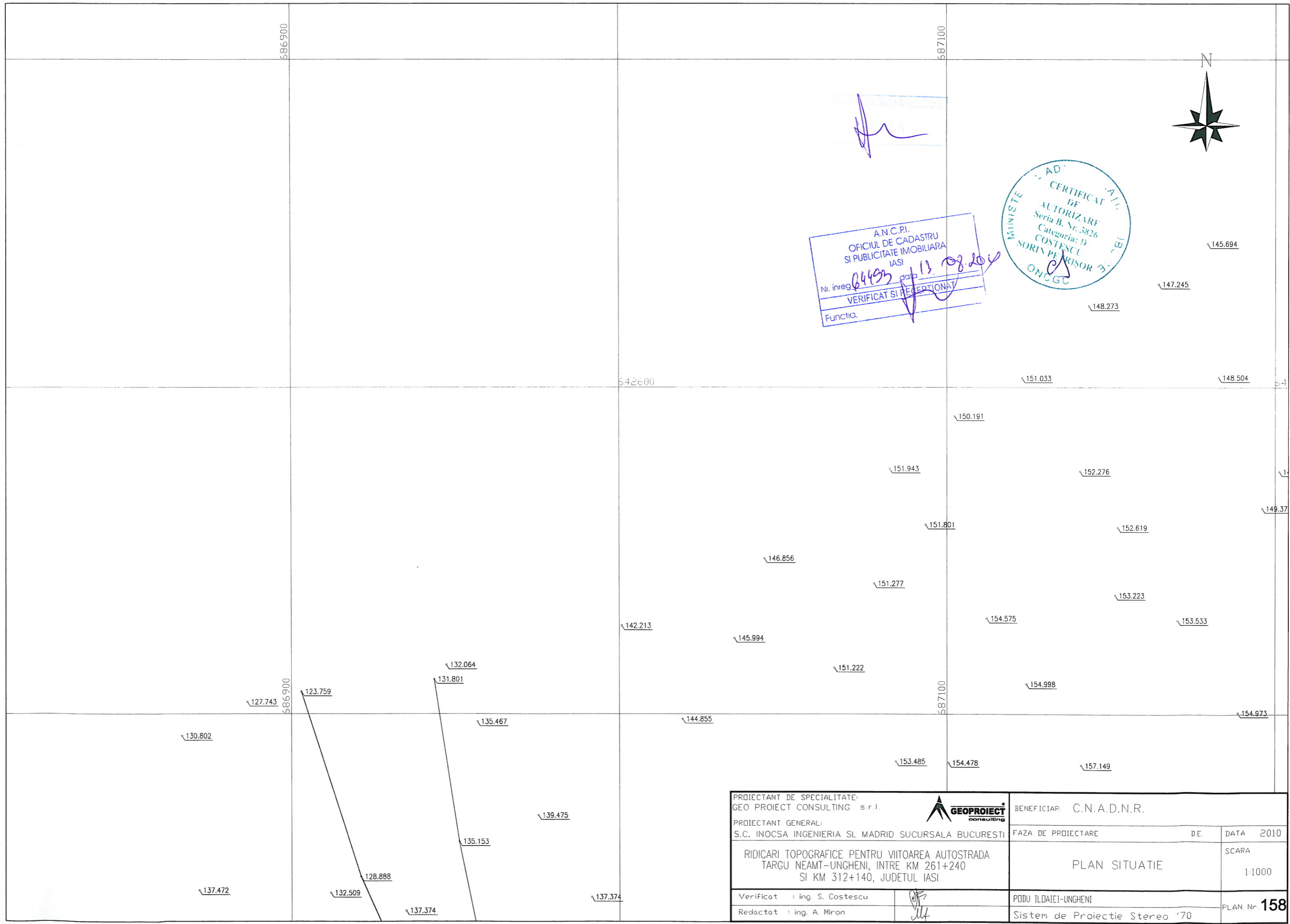
| | | |
|--|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | PODU ILOAIETI-UNGHENI | PLAN Nr. 156 |
| Redactat : ing. A. Miron | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia.

Oficiul de Cadastru si Publicitate Imobiliara
 IASI
 VERIFICAT SI RECEPTIONAT
 Functia.

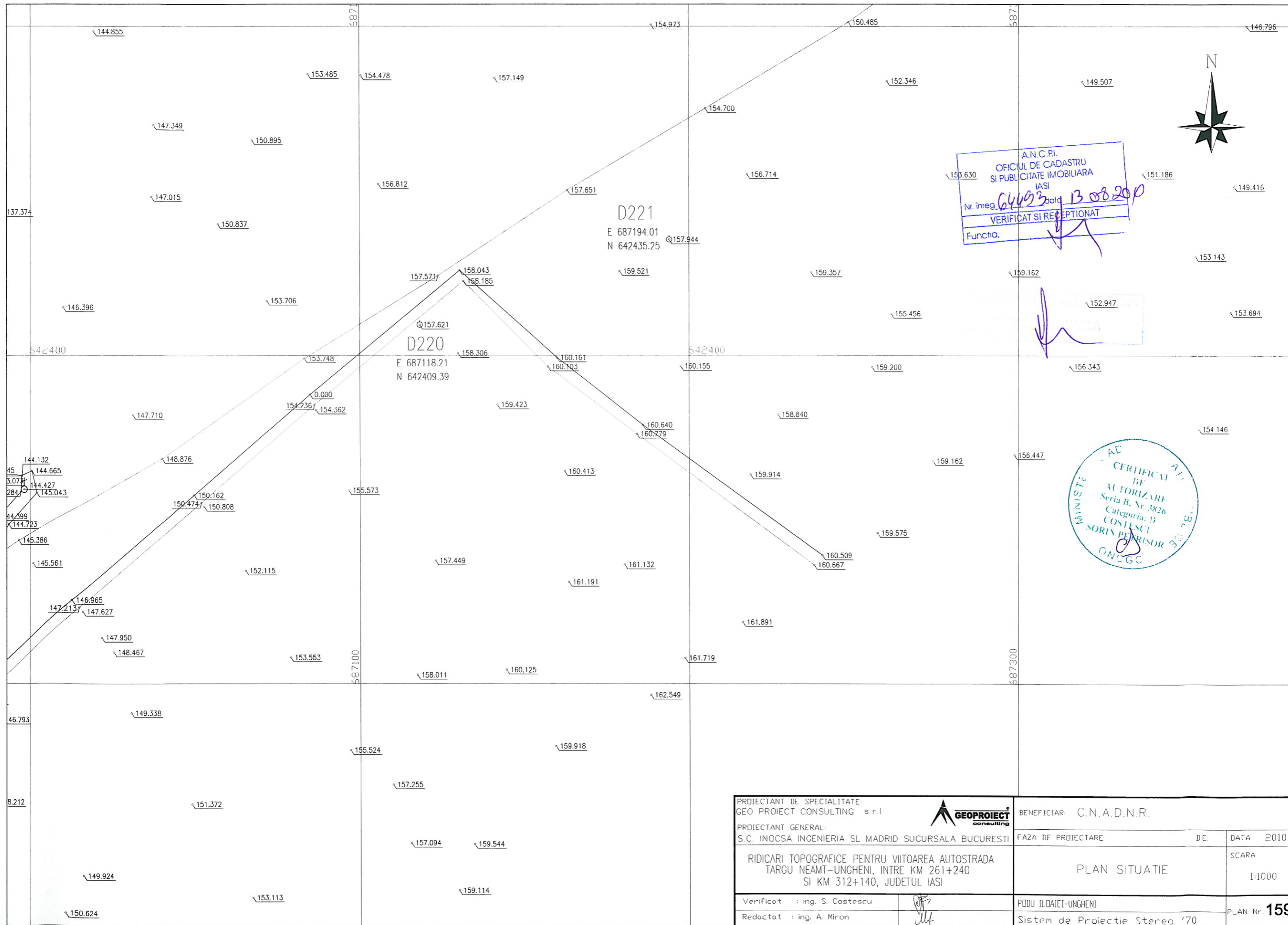
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 157 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 din 13.08.2014
 VERIFICAT SI REPERTIONAT
 Functia. [Signature]



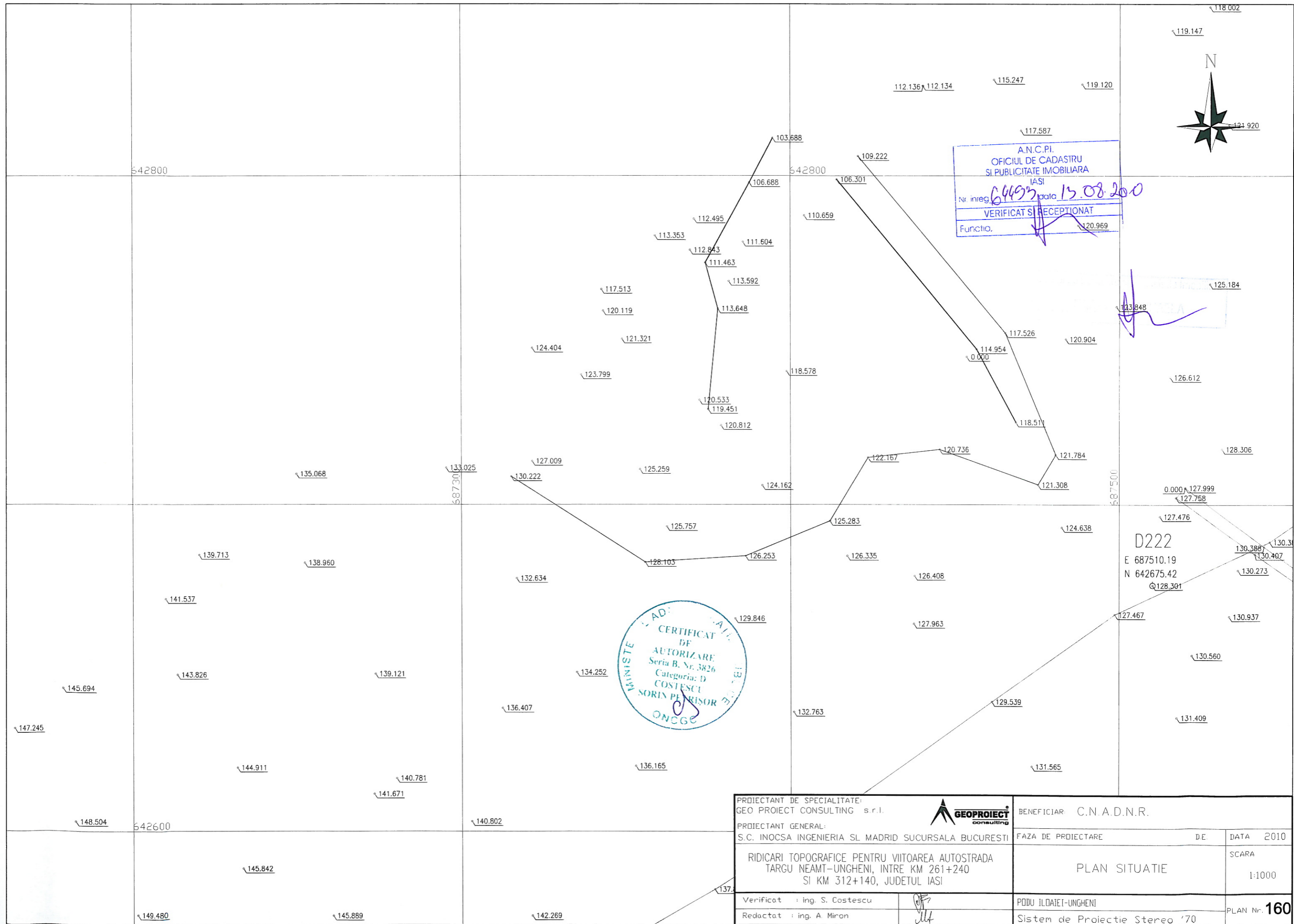
| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PODU ILDAIEI-UNGHENI | PLAN Nr. 158 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia, _____

CERTIFICAT DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PERISOR
 ONCGC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 159 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

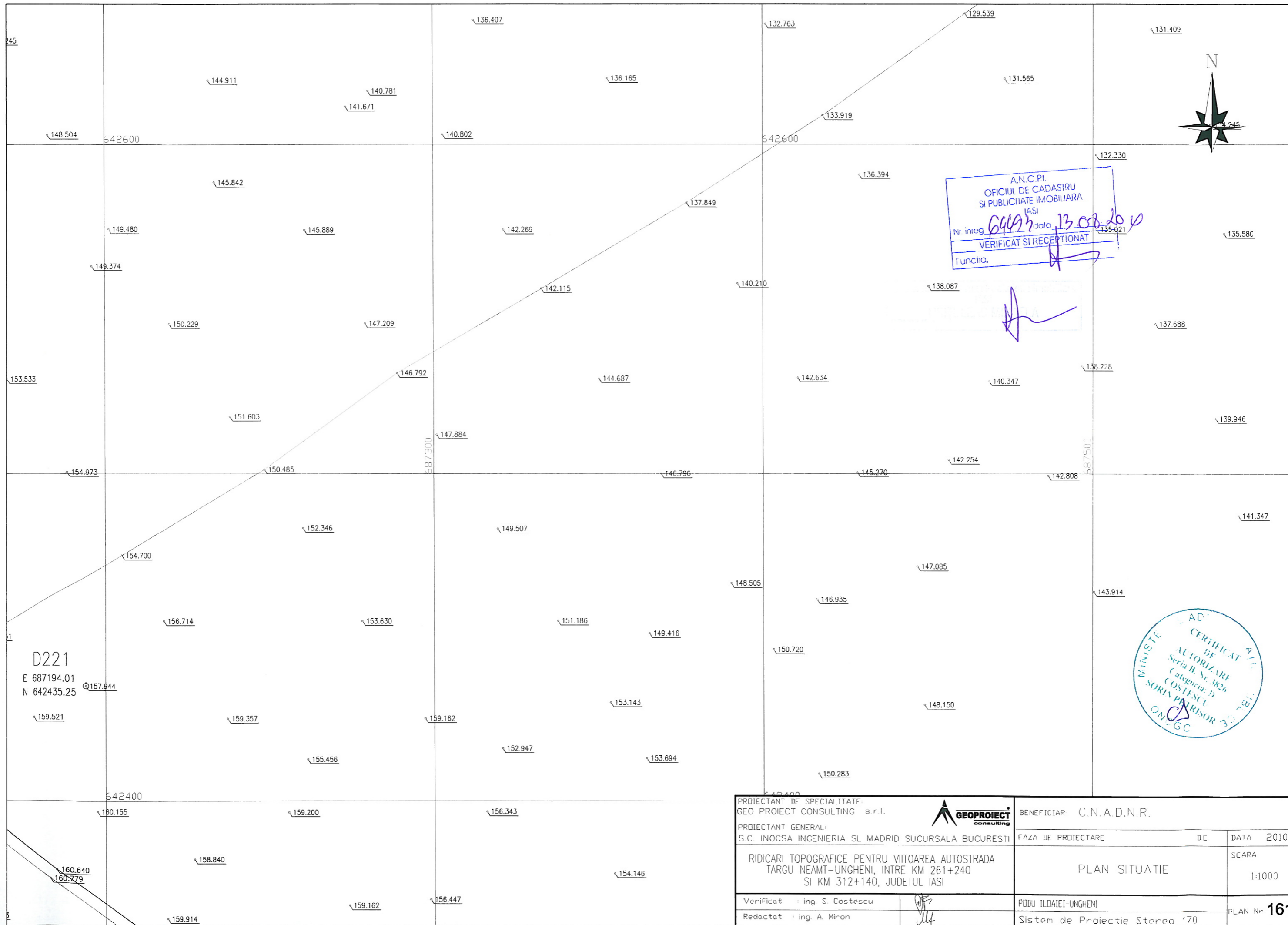


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6493 data 15.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

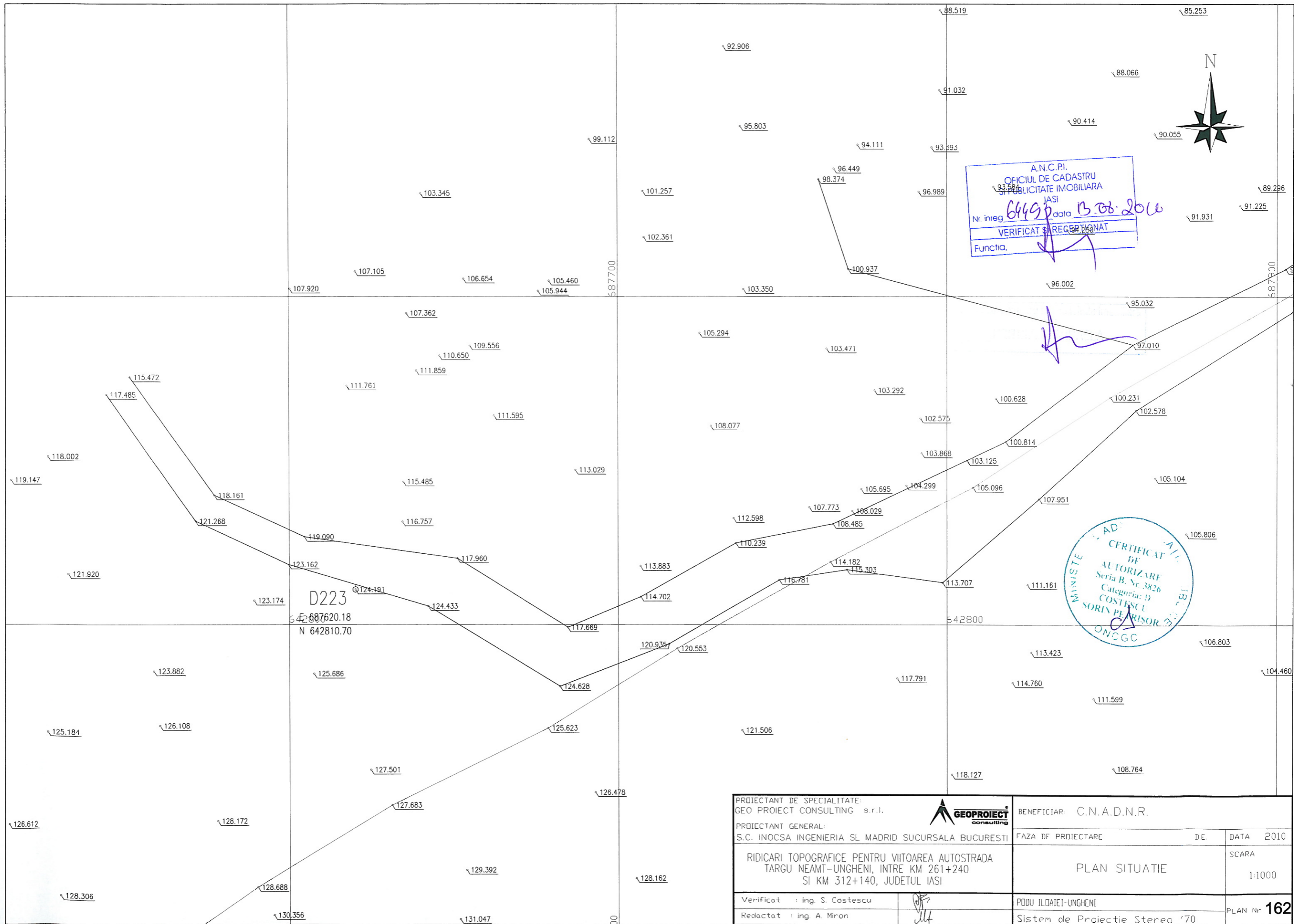
MINISTERUL DE TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEABISOR
 ONCGE

D222
 E 687510.19
 N 642675.42
 Q128.301

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PODU ILOAIET-UNGHENI | PLAN Nr. 160 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |



| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 161 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

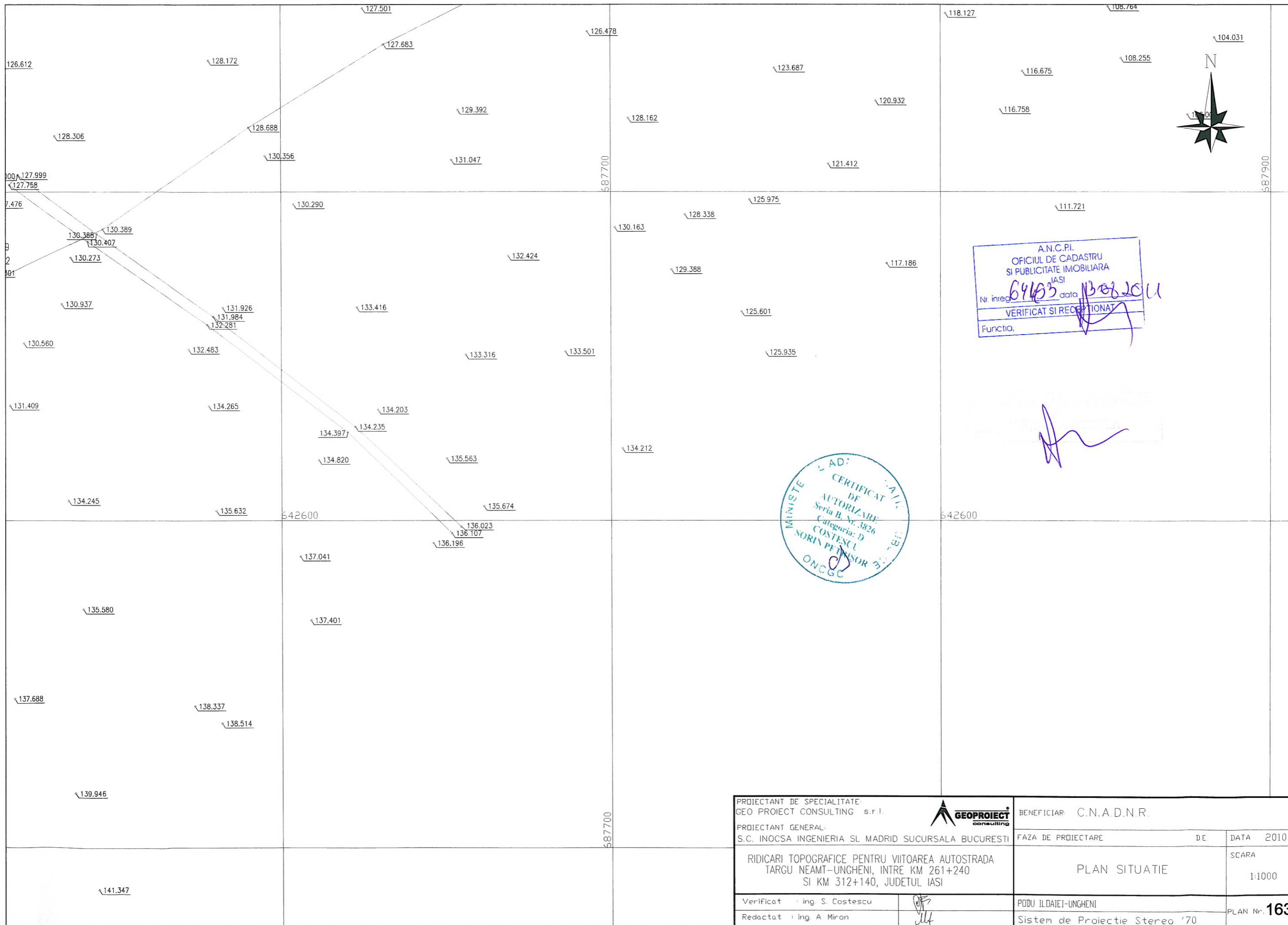


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI REGISTRAT
 Functia. *[Signature]*

AD
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEARISOR
 ONCGC

D223
 687620.18
 N 642810.70

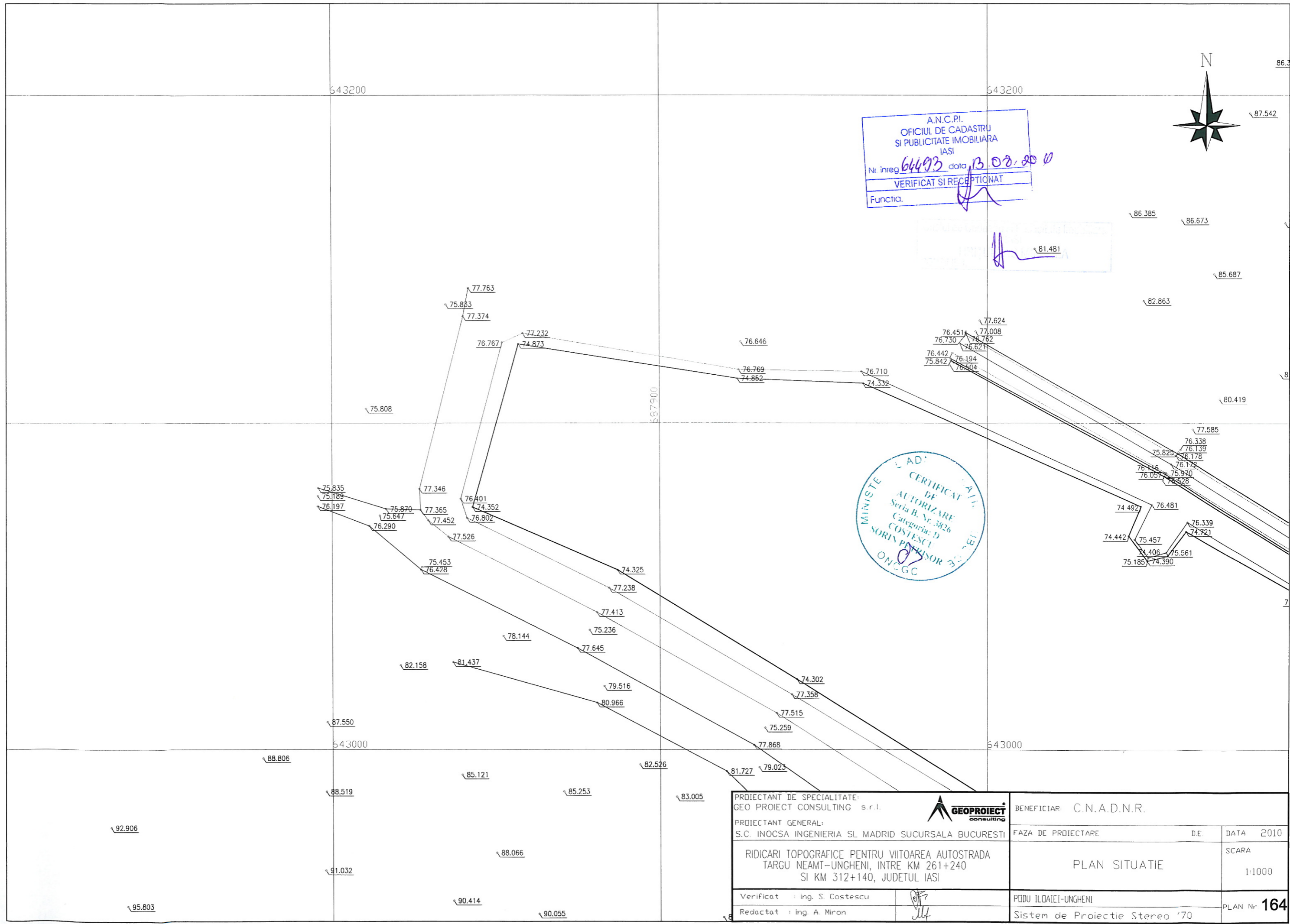
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | D.E. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAJEI-UNGHENI | PLAN Nr. 162 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 Nr. inreg. 64403 data 13.08.2011
 VERIFICAT SI RECEPTIIONAT
 Functia. *[Signature]*

MINISTERUL DE
 AD: CADASTRU
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 163 |
| Redactat : ing A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

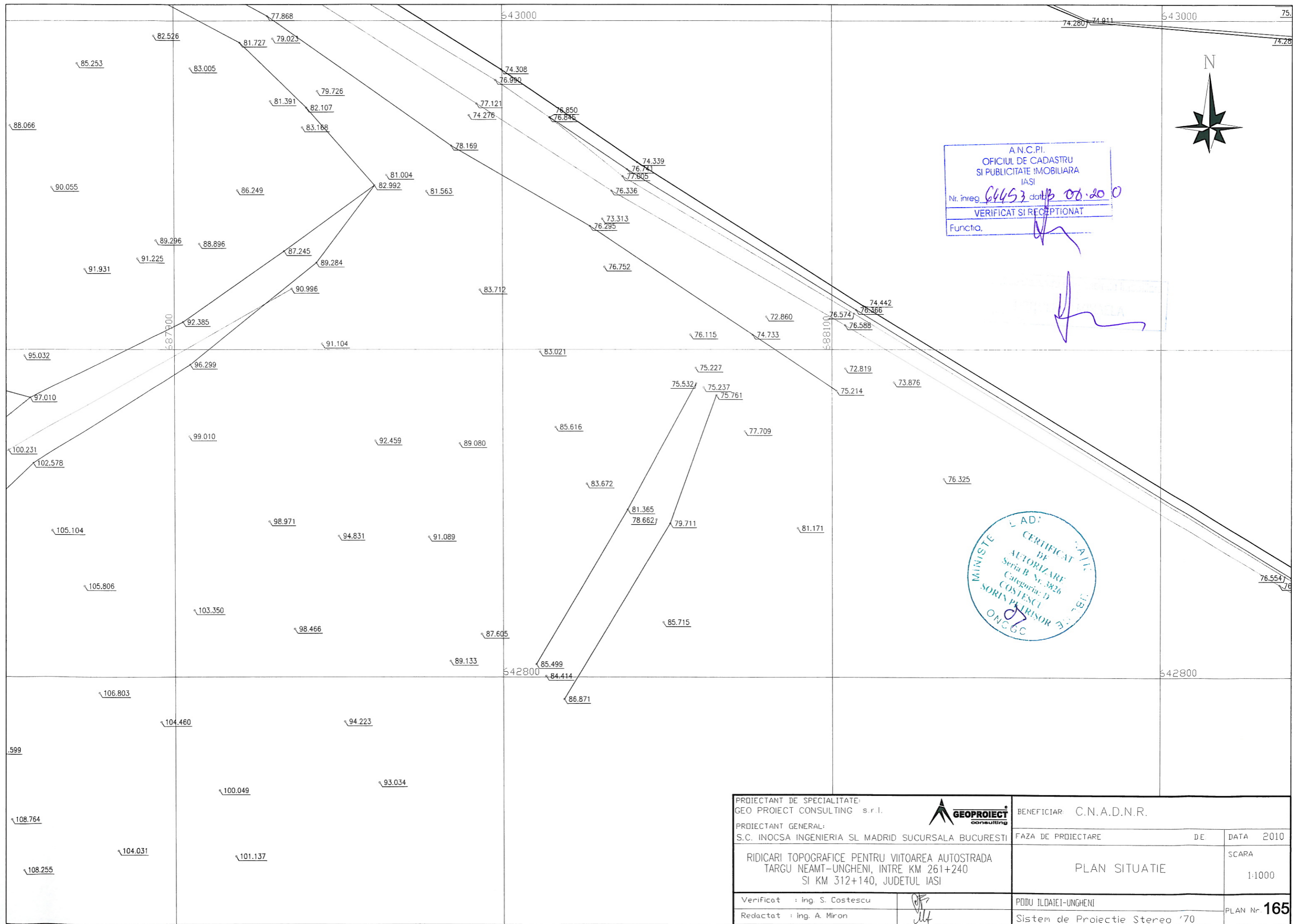


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 64493 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia. _____

81.481

MINISTERUL
 DE
 TRANSPORTURI
 SI
 CALITATE
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ON-GC

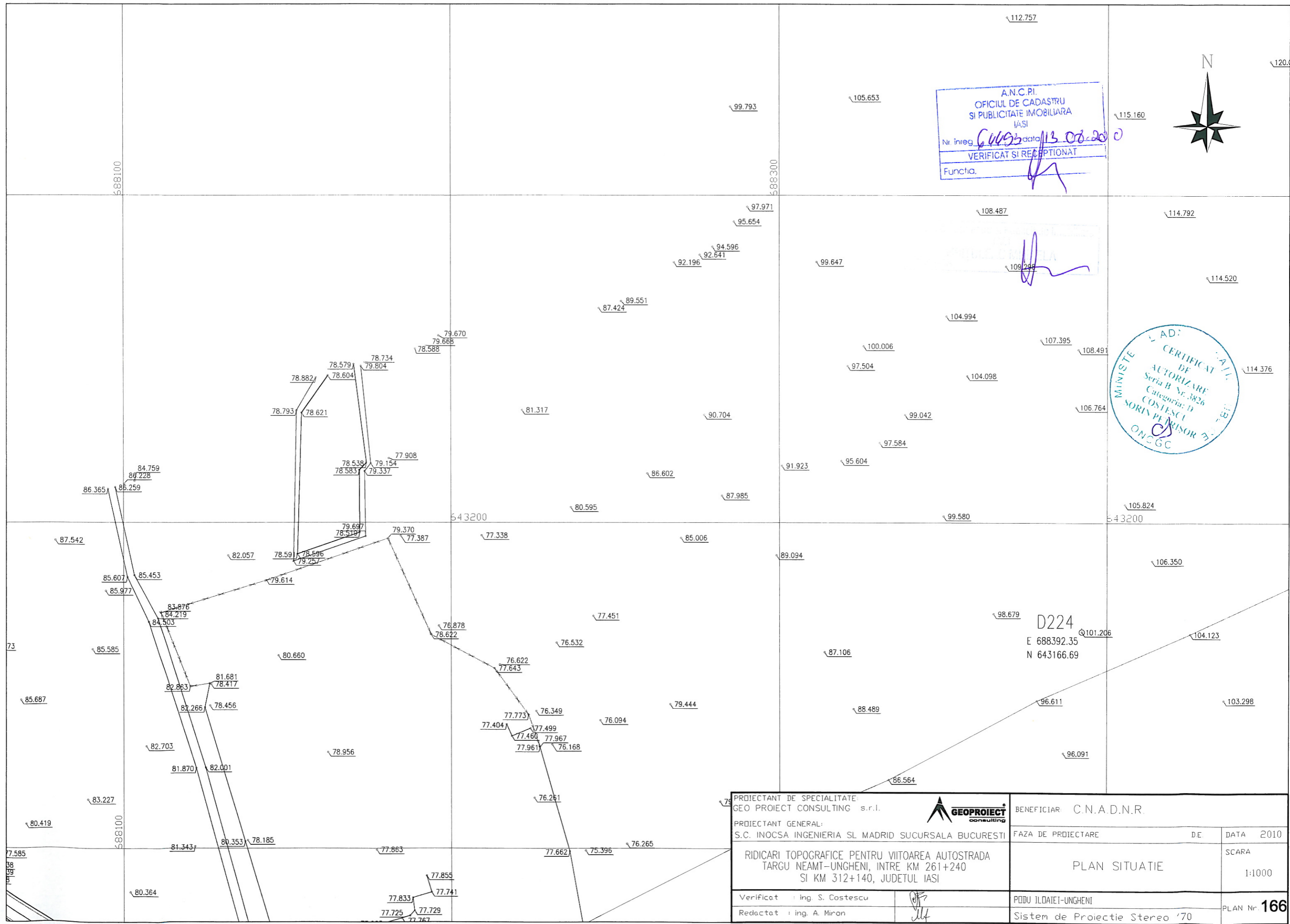
| | | | |
|--|--|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | D.E. |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 164 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERUL DE
 TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 AD: *[Signature]*
 CERTIFICAT DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria D
 COSTESCU
 SORIN PETRISOR
 ONCCG

| | | |
|--|--------------------|--------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | FAZA DE PROIECTARE | D.E. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 |
| | | PLAN Nr. 165 |

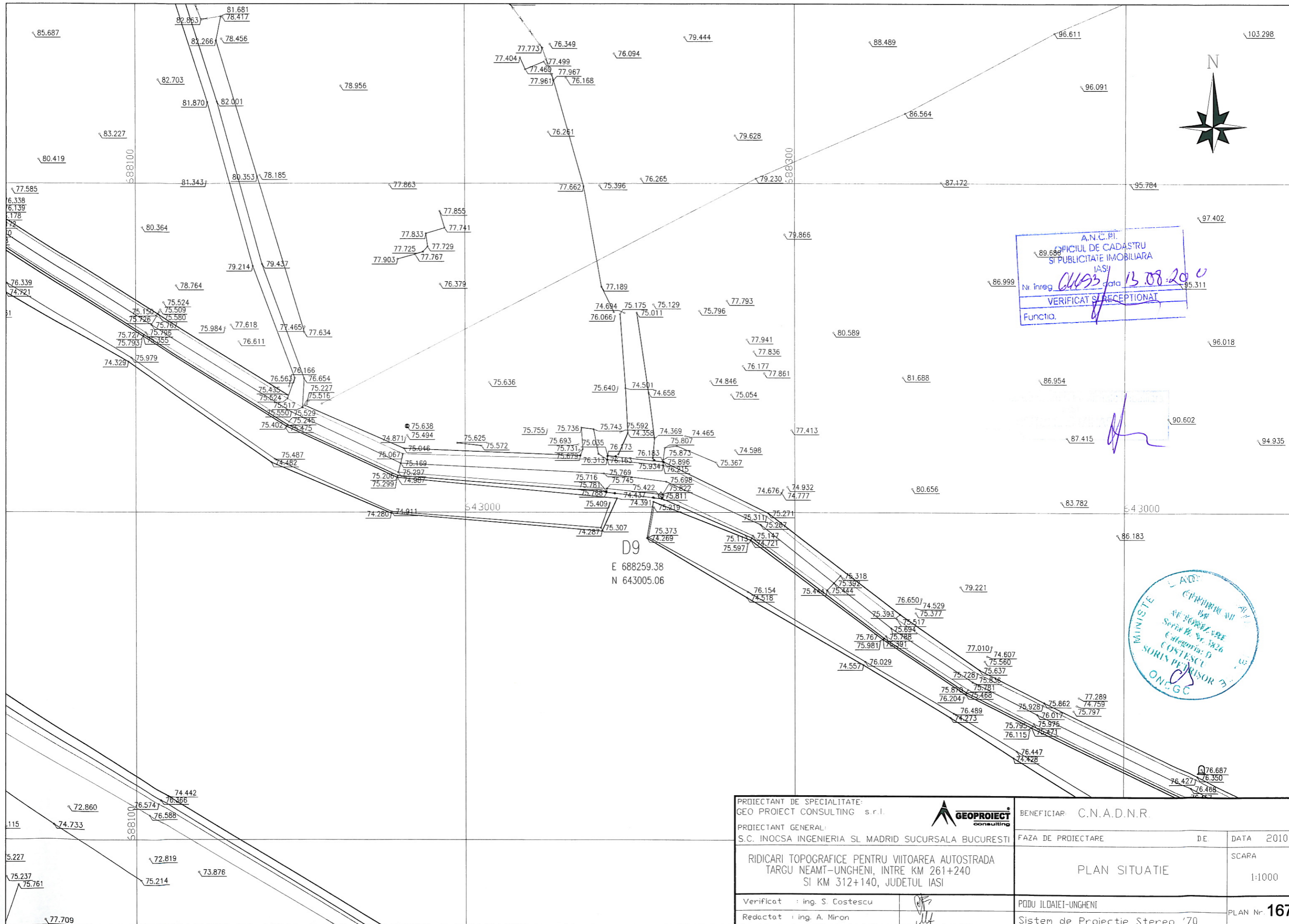


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64695 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERUL
 AD: *[Signature]*
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PE DRISOR T
 ONC GC

D224
 E 688392.35
 N 643166.69

| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIETI-UNGHENI | PLAN Nr. 166 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

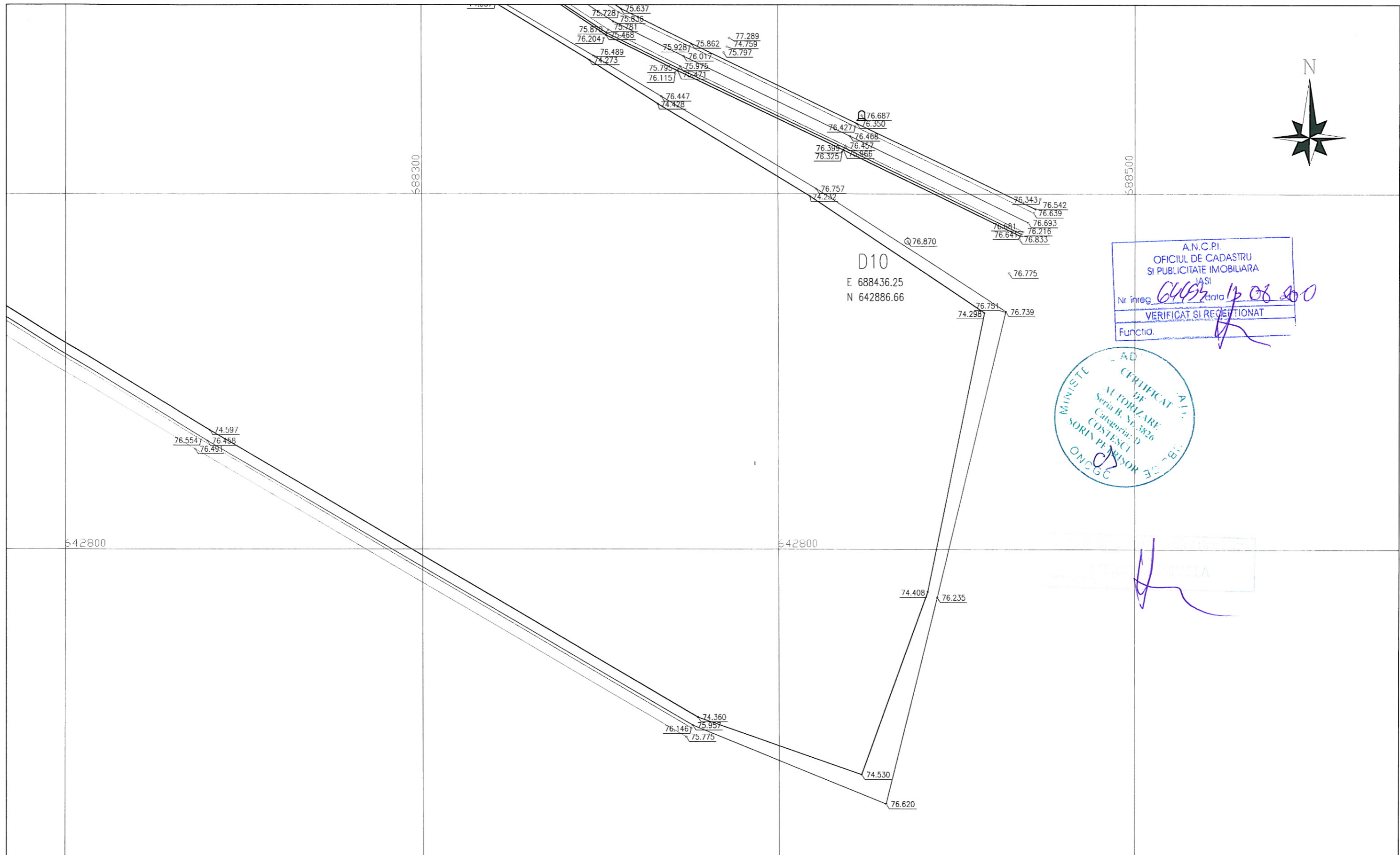


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 0493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERUL
 DE TRANSPORTURI
 SI CALITATEA INFRASTRUCTURII
 DE TRANSPORTURI
 SERIA B. Nr. 1426
 Categorie: D
 COSTESCU
 SORIN PEABRISOR
 ONI.GC

D9
 E 688259.38
 N 643005.06

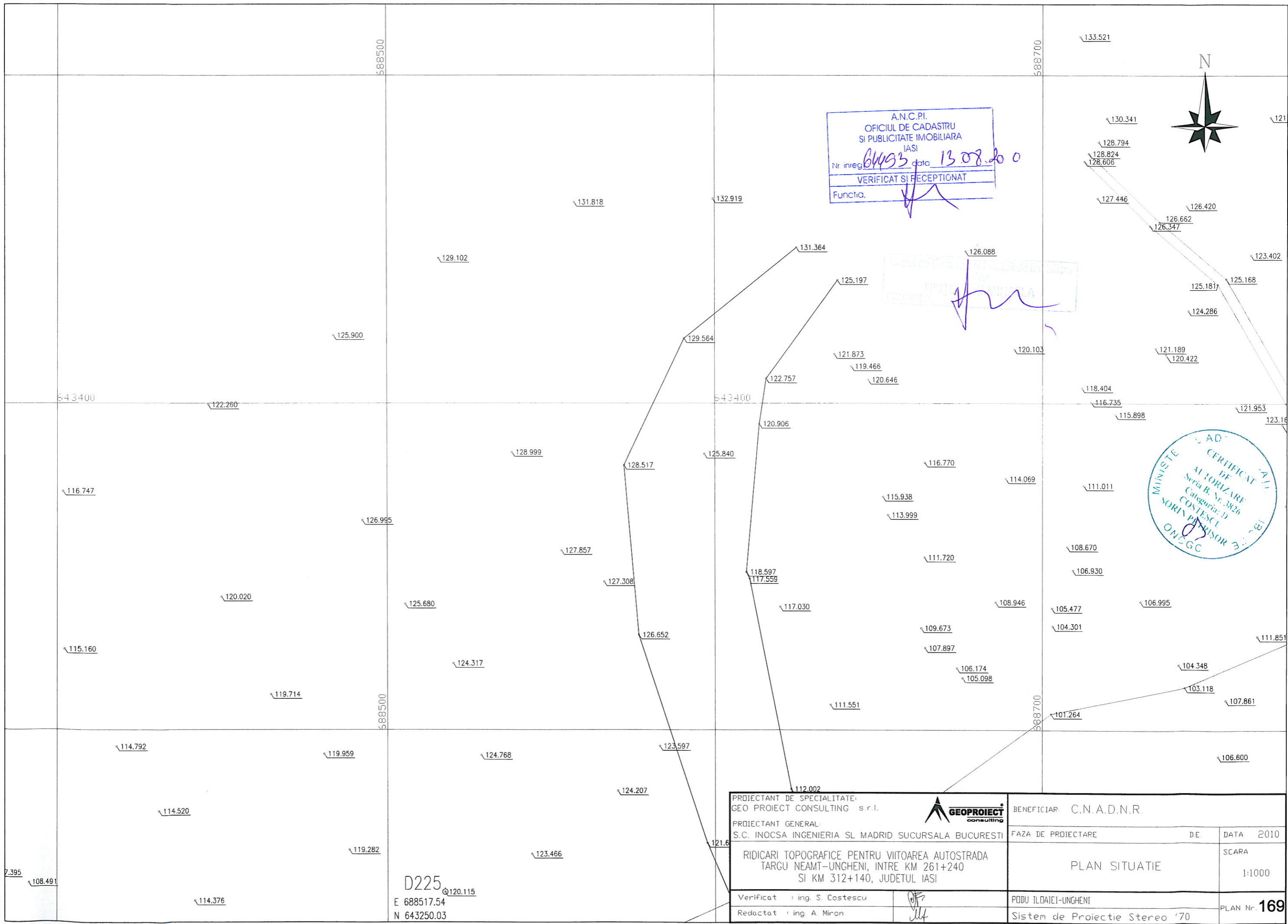
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROJECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIET-UNGHENI | PLAN Nr. 167 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 642800 data 13 08 2010
 VERIFICAT SI RECEPTIIONAT
 Functia: _____

AD
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEABRESOR
 ONCGC

| | | | |
|--|--|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 168 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



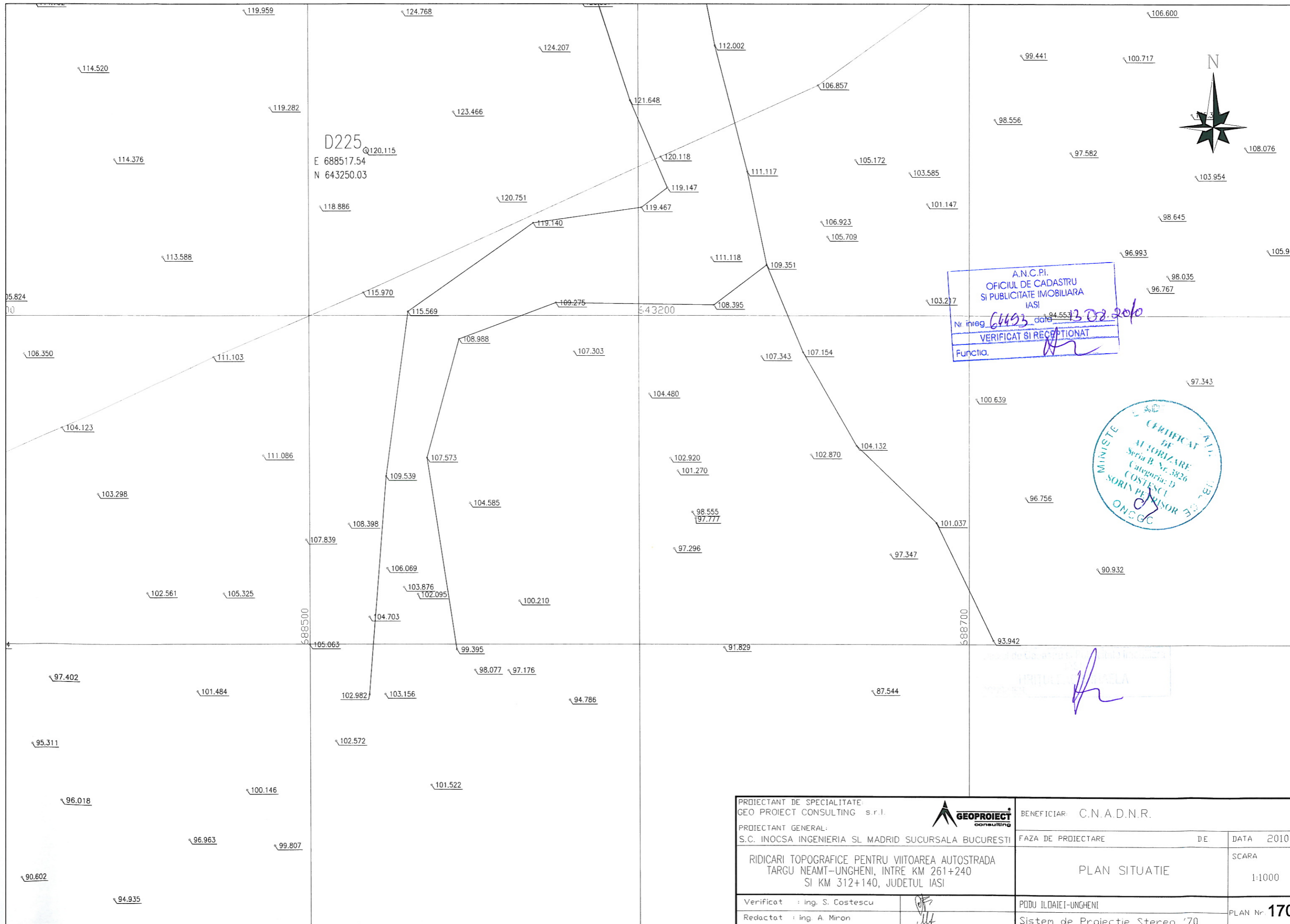
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

[Faint stamp and signature]



D225
 Q120.115
 E 688517.54
 N 643250.03

| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | 2010 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 169 |

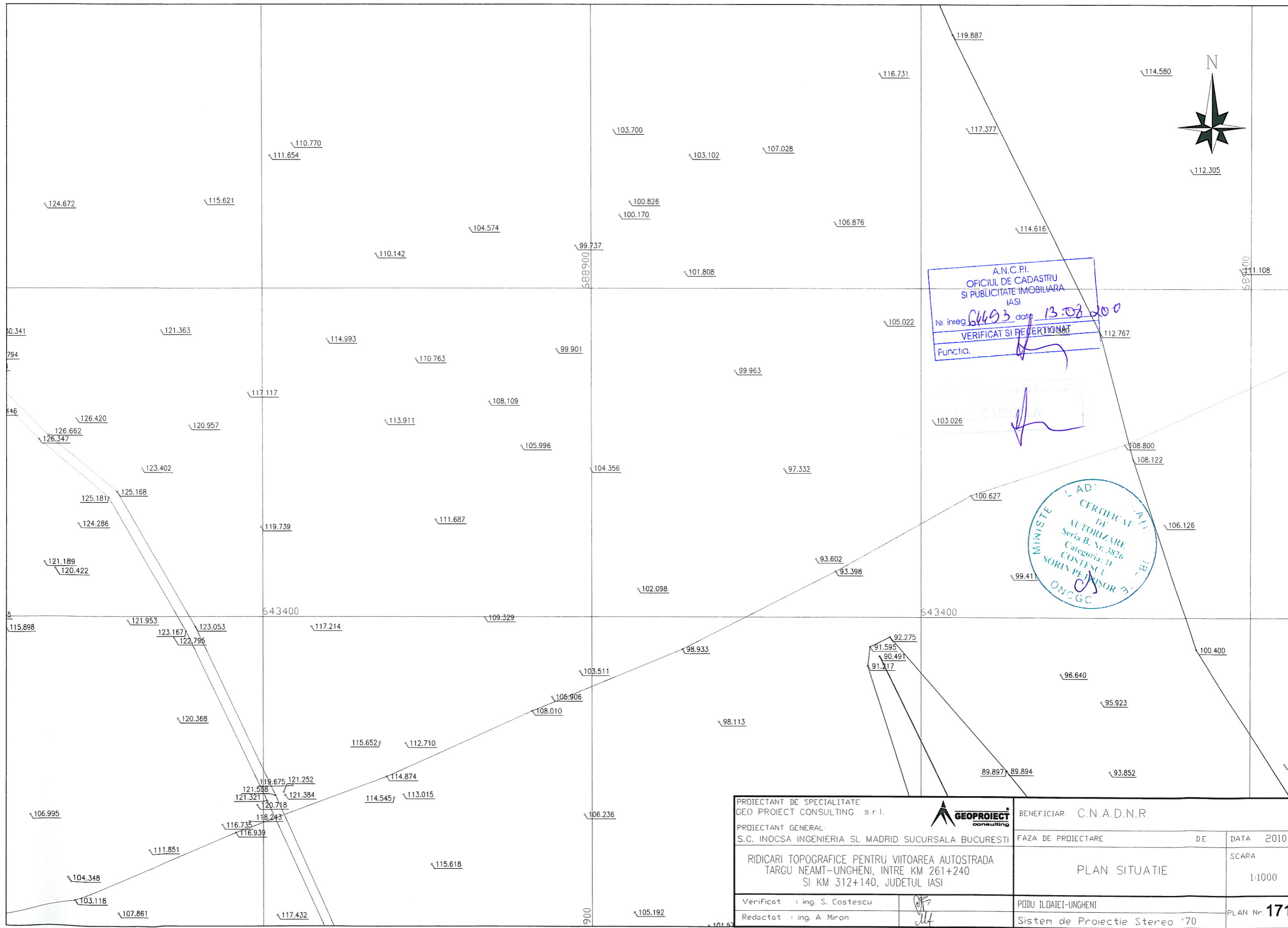


D225
 E 688517.54
 N 643250.03

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64403, data 13.02.2010
 VERIFICAT SI RECEPTIAT
 Functia. *[Signature]*

CERTIFICAT DE
 ATORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PELESIOR
 ONCCG

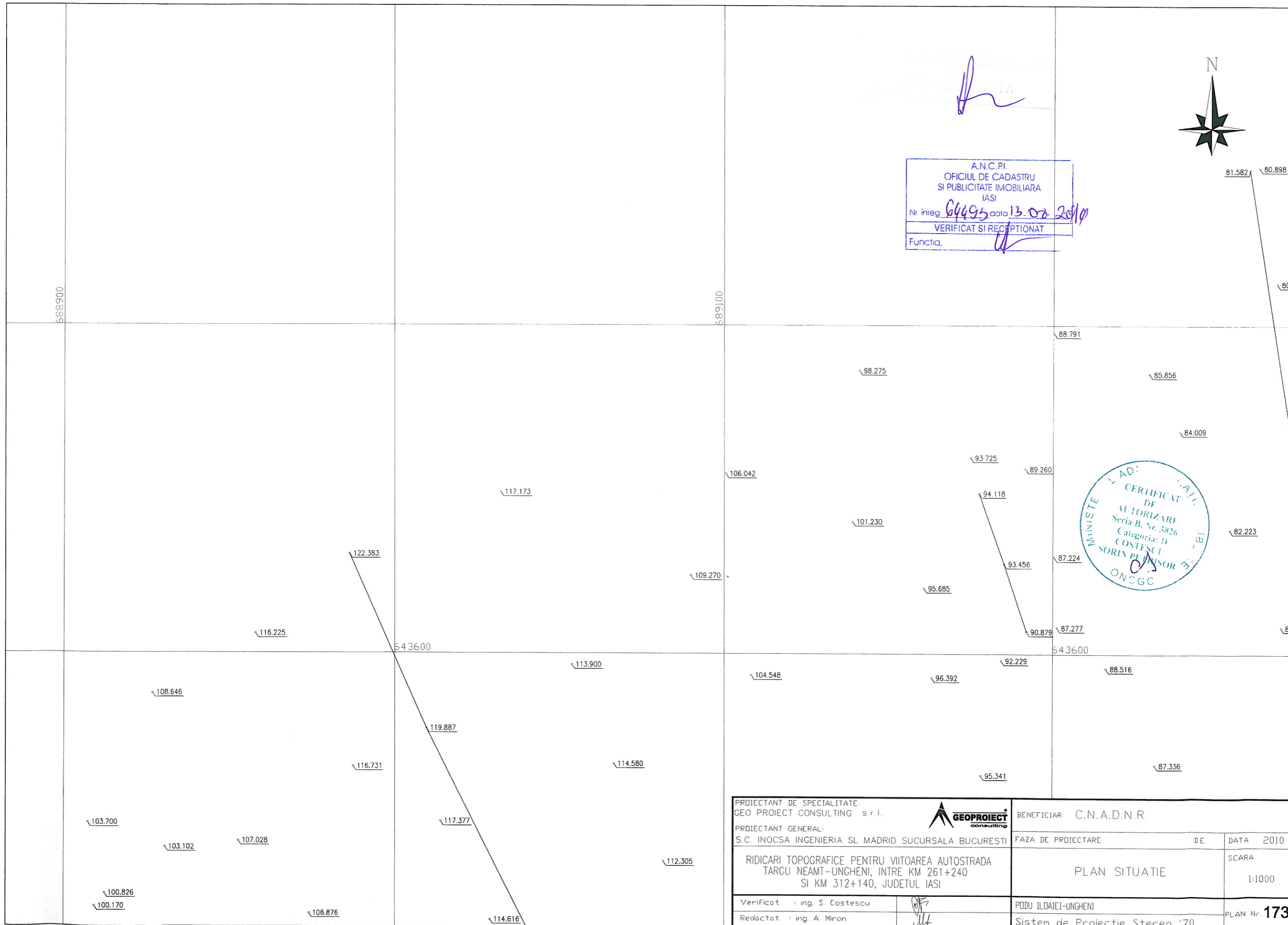
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 170 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI REVERTIBIL
 Functia.

CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PEONISOR
 ONGGC

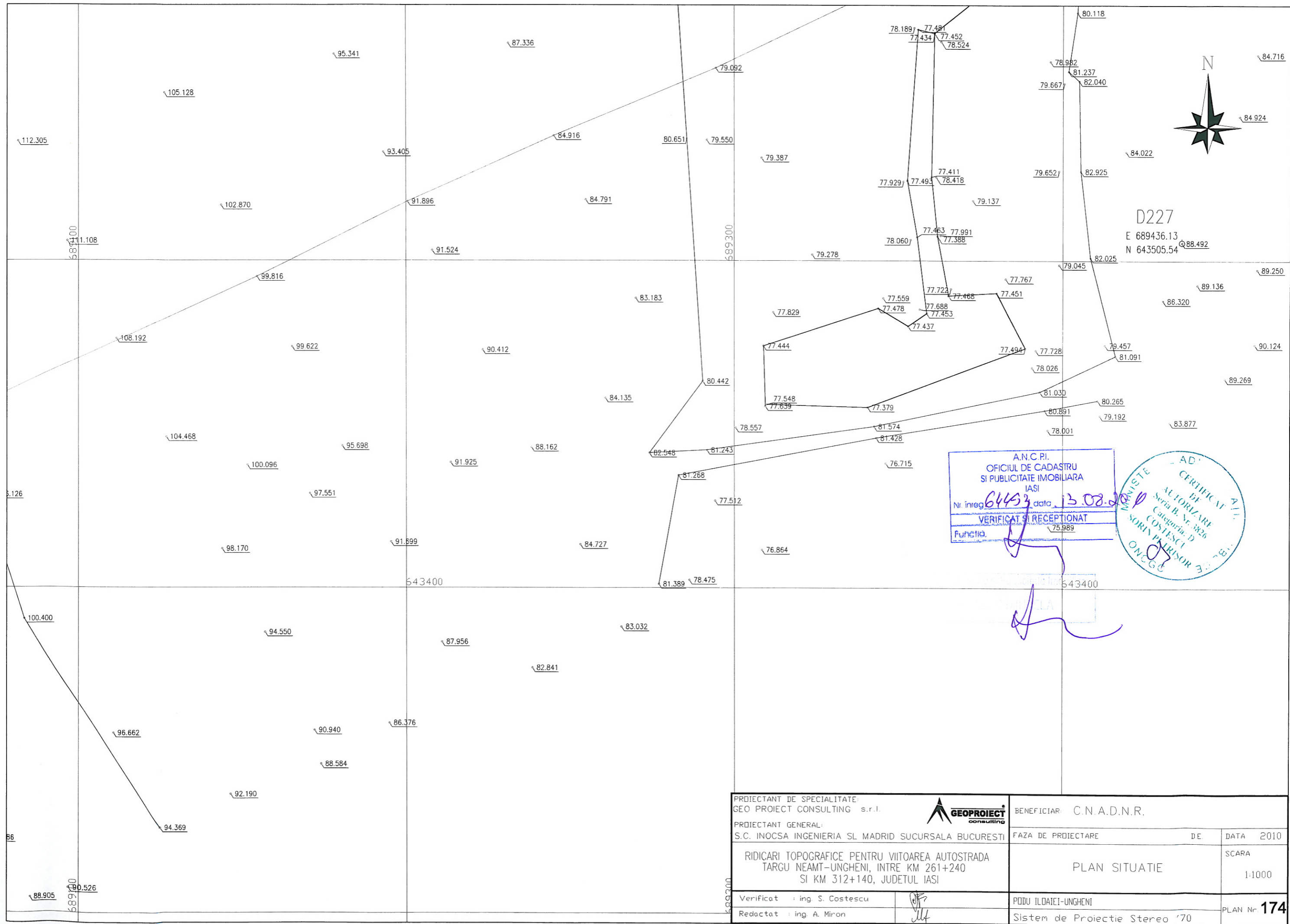
| | | | |
|--|--|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILOAIEI-UNGHENI | PLAN Nr. 171 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64495 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia, [Signature]

CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONCGC

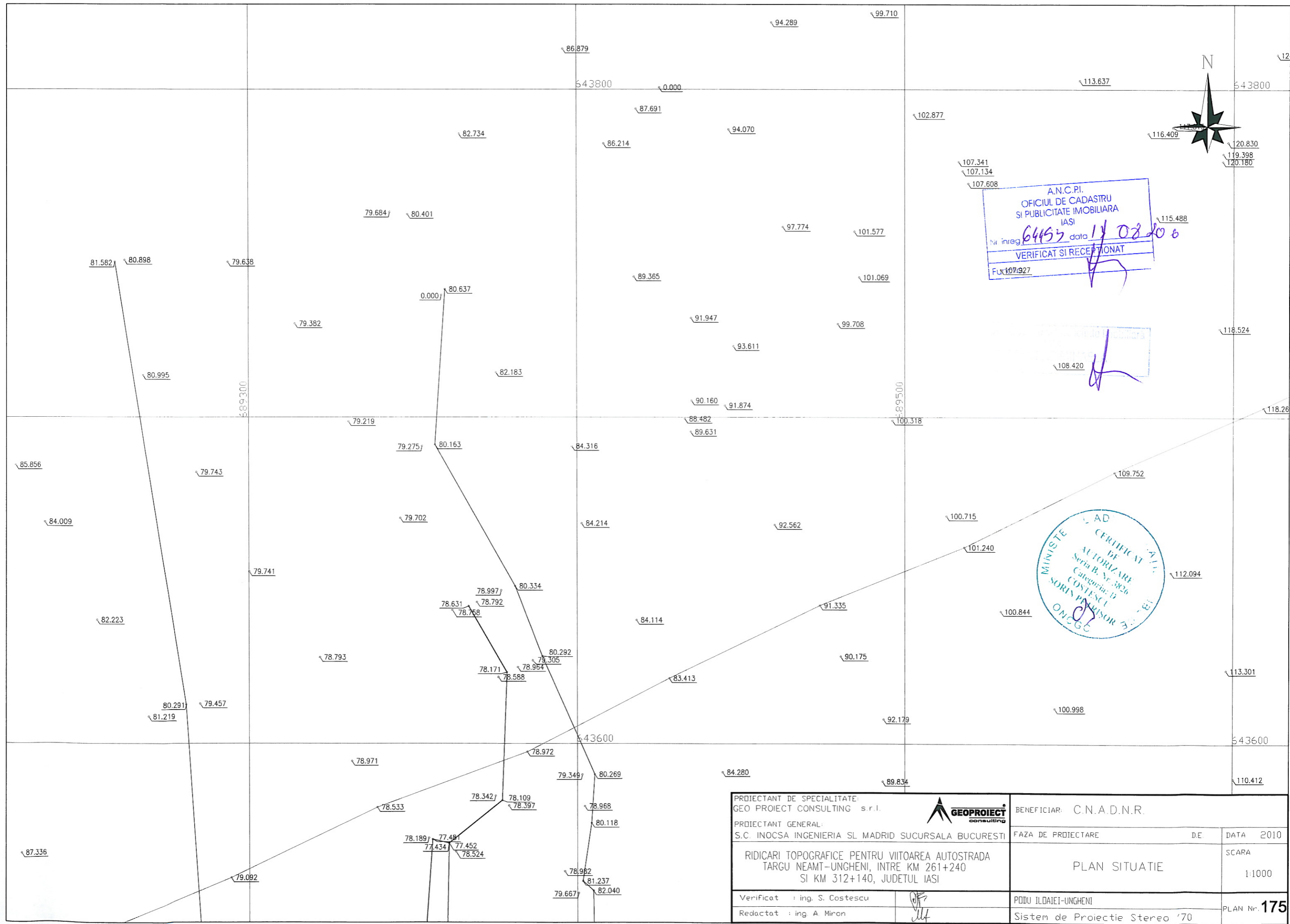
| | | | |
|--|-------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | [Signature] | PODU ILDAIEI-UNGHENI | PLAN Nr. 173 |
| Redactat : ing. A. Miron | [Signature] | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. înreg. 64453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Funcția. *[Signature]*



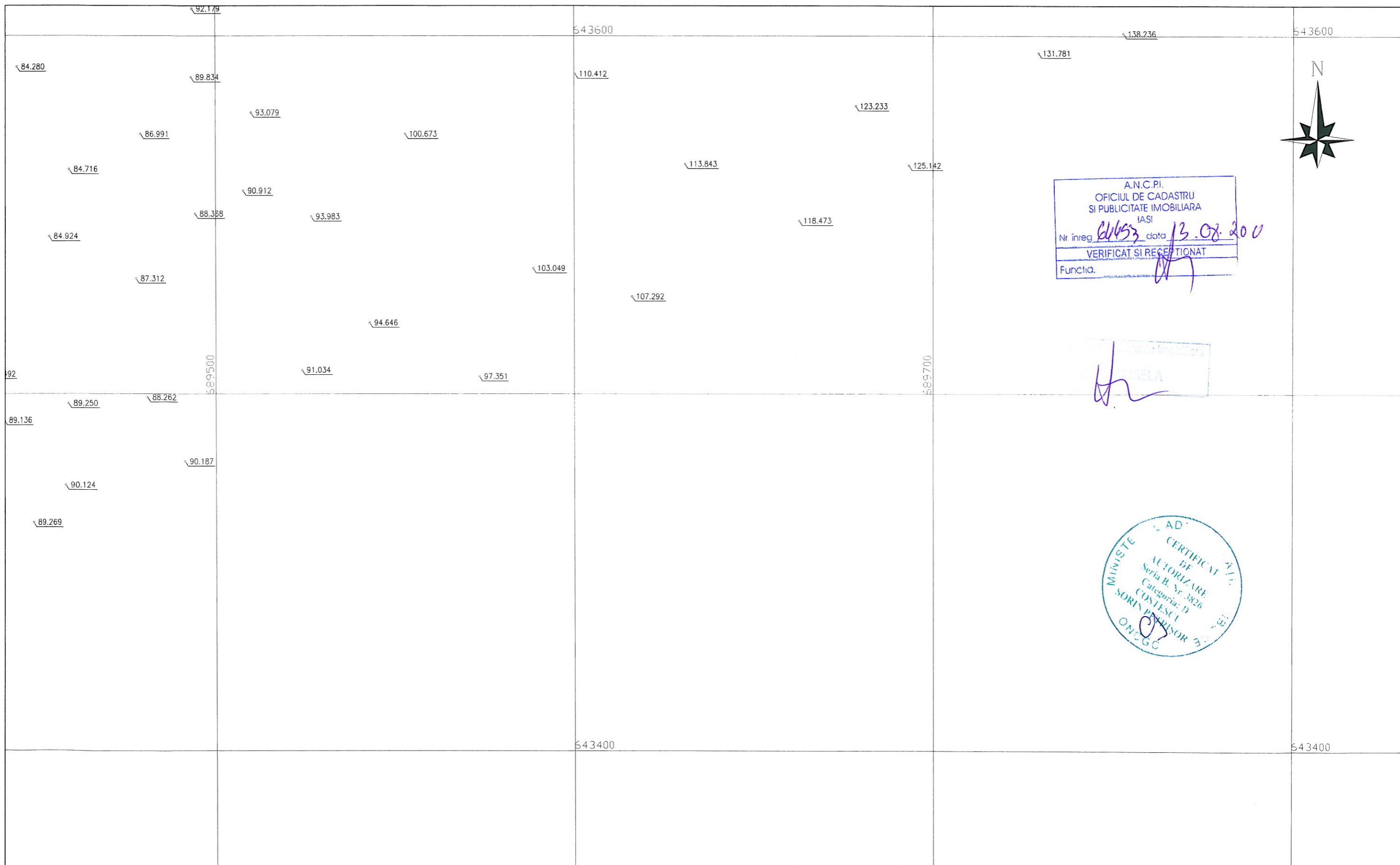
| | | | |
|---|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETLUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | PLAN Nr. 174 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64455 data 14 08 2016
 VERIFICAT SI RECEPTIONAT
 Funct. 107.927



| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PDDU ILOAIEI-UNGHENI | PLAN Nr. 175 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 61453 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. [Signature]

[Signature]
 Sursa Imobiliara
 IMBIAELA

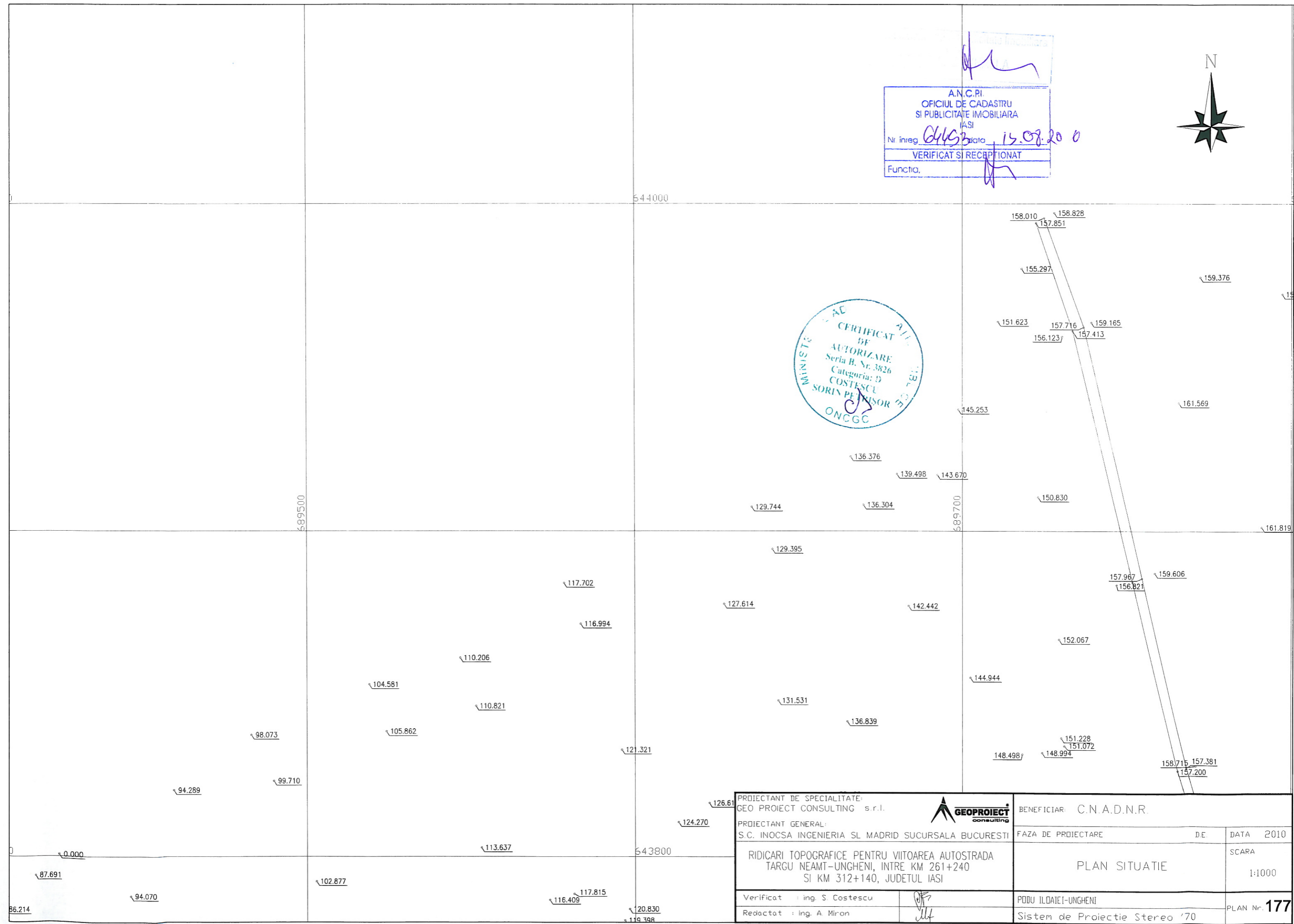
CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PRETOR
 ONCGC

| | | | |
|--|--------------------|--------------------------------|------------------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | DATA 2010 SCARA 1:1000 |
| Verificat : ing. S. Costescu | <u>[Signature]</u> | PDDU ILDAIEI-UNGHENI | PLAN Nr. 176 |
| Redactat : ing. A. Miron | <u>[Signature]</u> | Sistem de Proiectie Stereo '70 | |

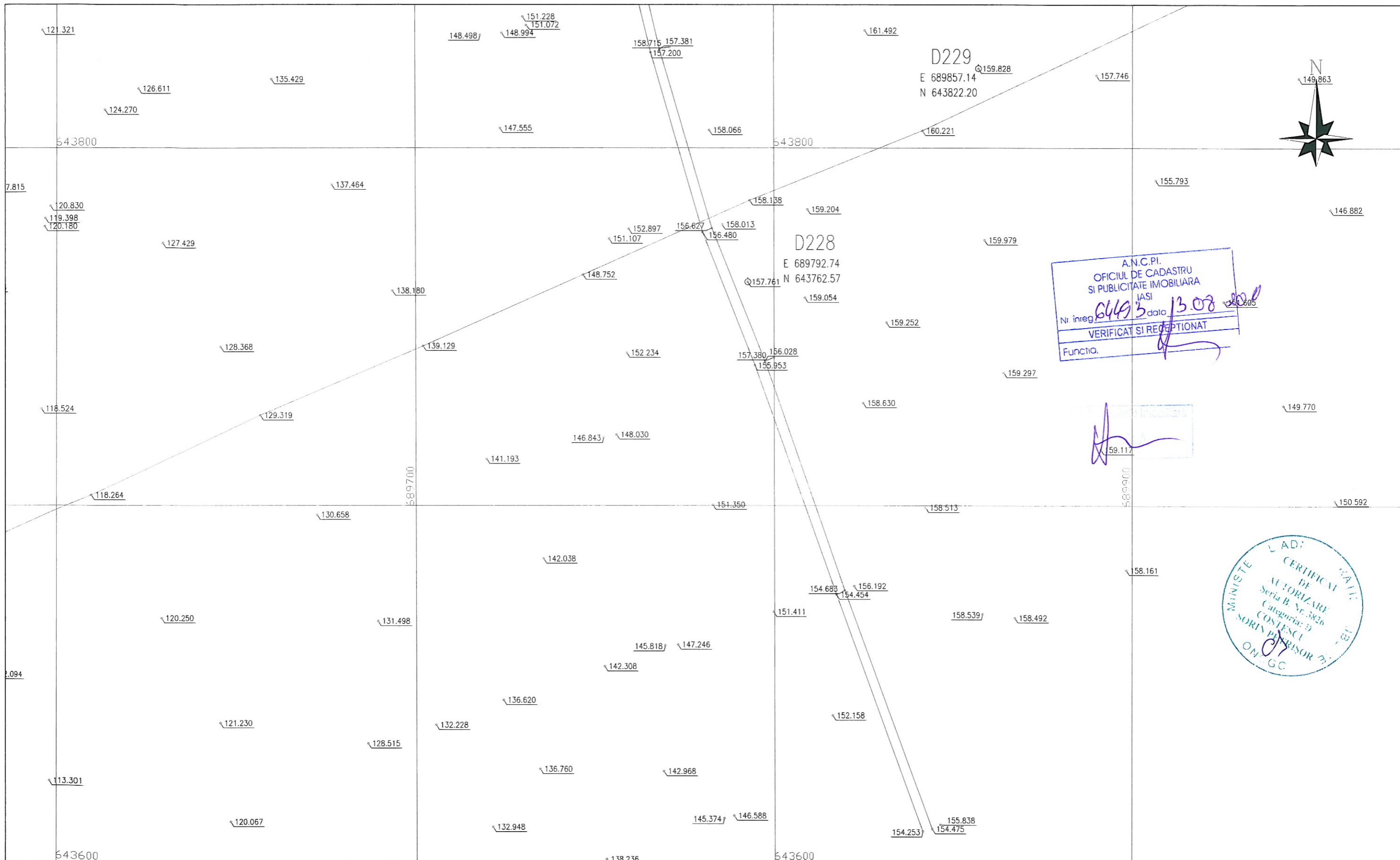
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg. 64453 data 15.07.2010
 VERIFICAT SI RECEPTIONAT
 Functia,



MINISTERUL
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONGGC



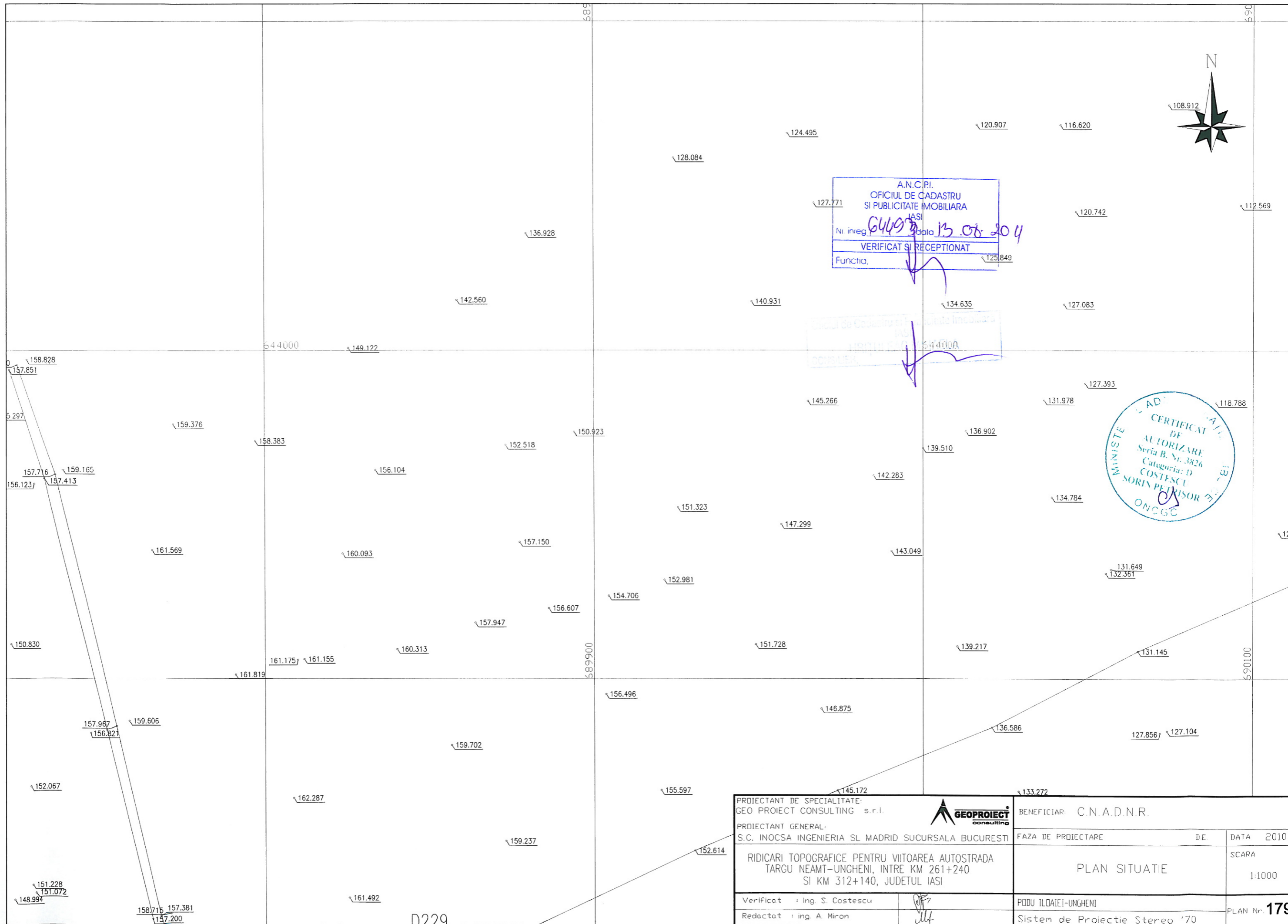
| | | | |
|--|--|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | D.E. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 177 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

CERTIFICAT
 DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PREBISOR
 ON-GC

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAJET-UNGHENI | PLAN Nr. 178 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |

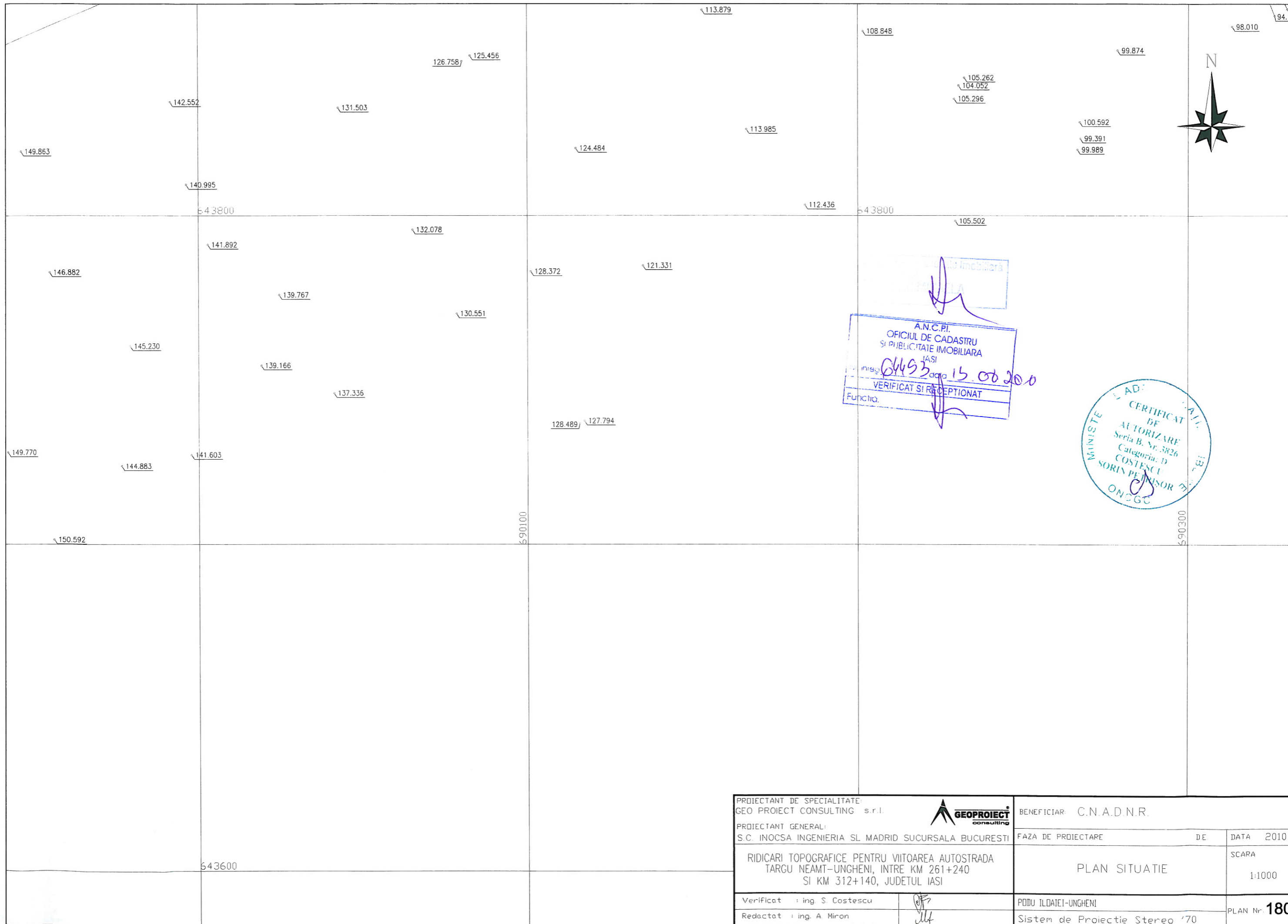


A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 6449 data 15.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*



| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 179 |

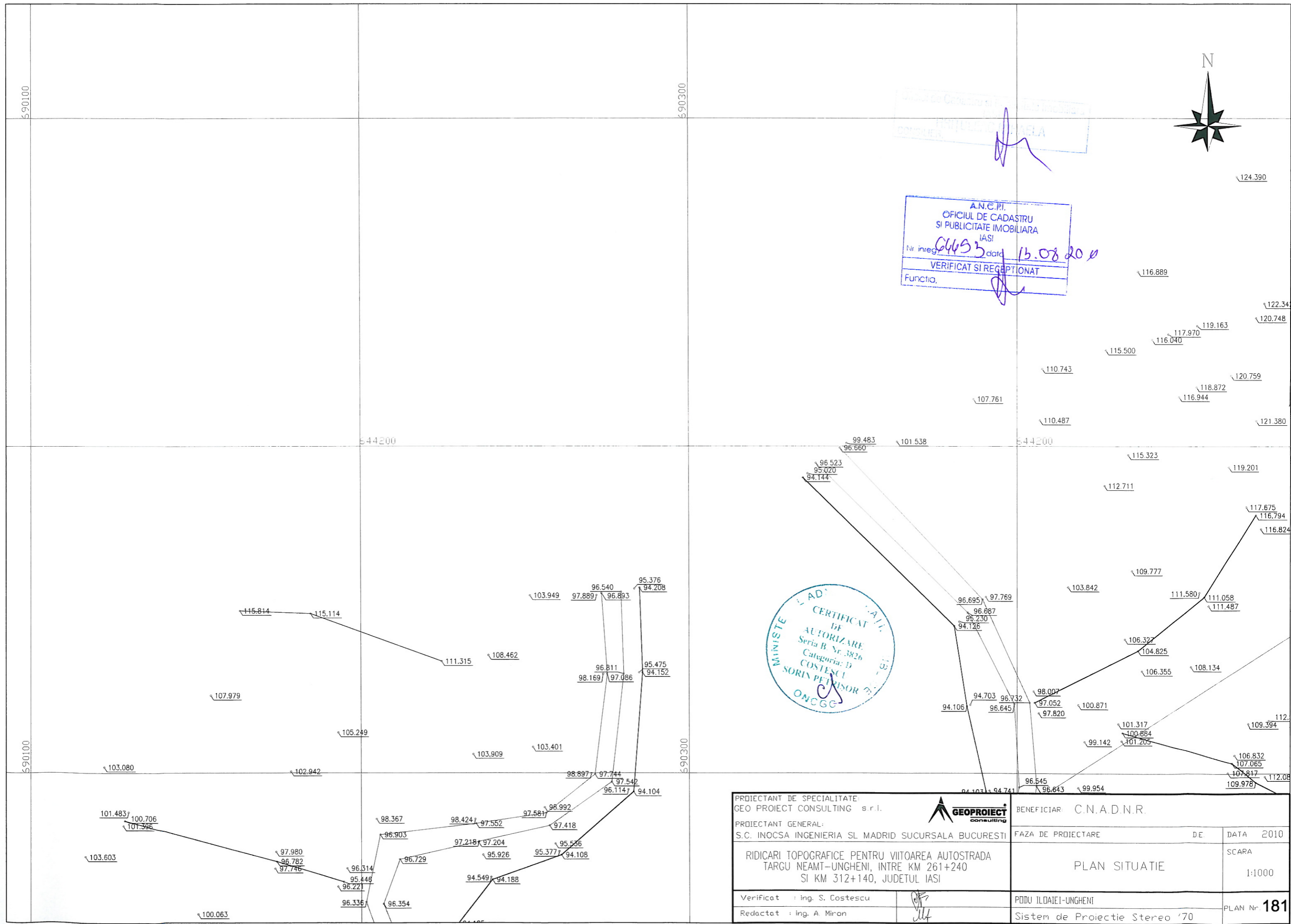
D229



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 ing. *[Signature]* data 15.06.2010
 VERIFICAT SI RECEPTIONAT
 Functia.



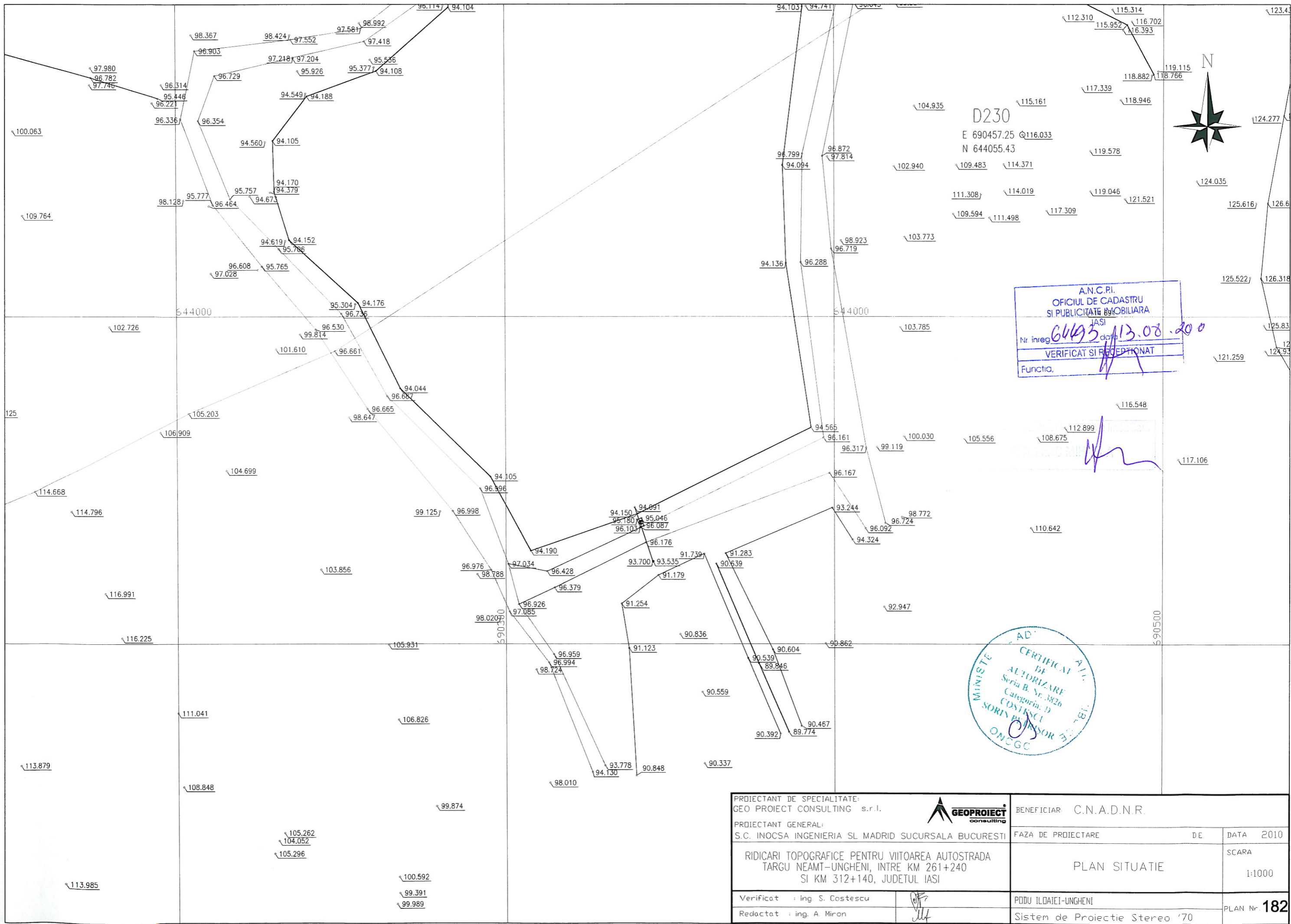
| | | | |
|--|--------------------|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILDATEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 180 |



MINISTERUL DE INTERIORE
 DIRECTIA GENERALA DE REGISTRARILE PUBLICE
 OFICIUL DE CADASTRU SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 13.08.2010
 VERIFICAT SI RECEPTONAT
 Functia. *[Signature]*

MINISTERUL DE INTERIORE
 DIRECTIA GENERALA DE REGISTRARILE PUBLICE
 CERTIFICAT DE AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU SORIN PETRISOR
 ONCGG

| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DE | 2010 |
| | | PLAN SITUATIE | SCARA |
| | | | 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PDDU ILOAIEI-UNGHENI | PLAN Nr. 181 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |

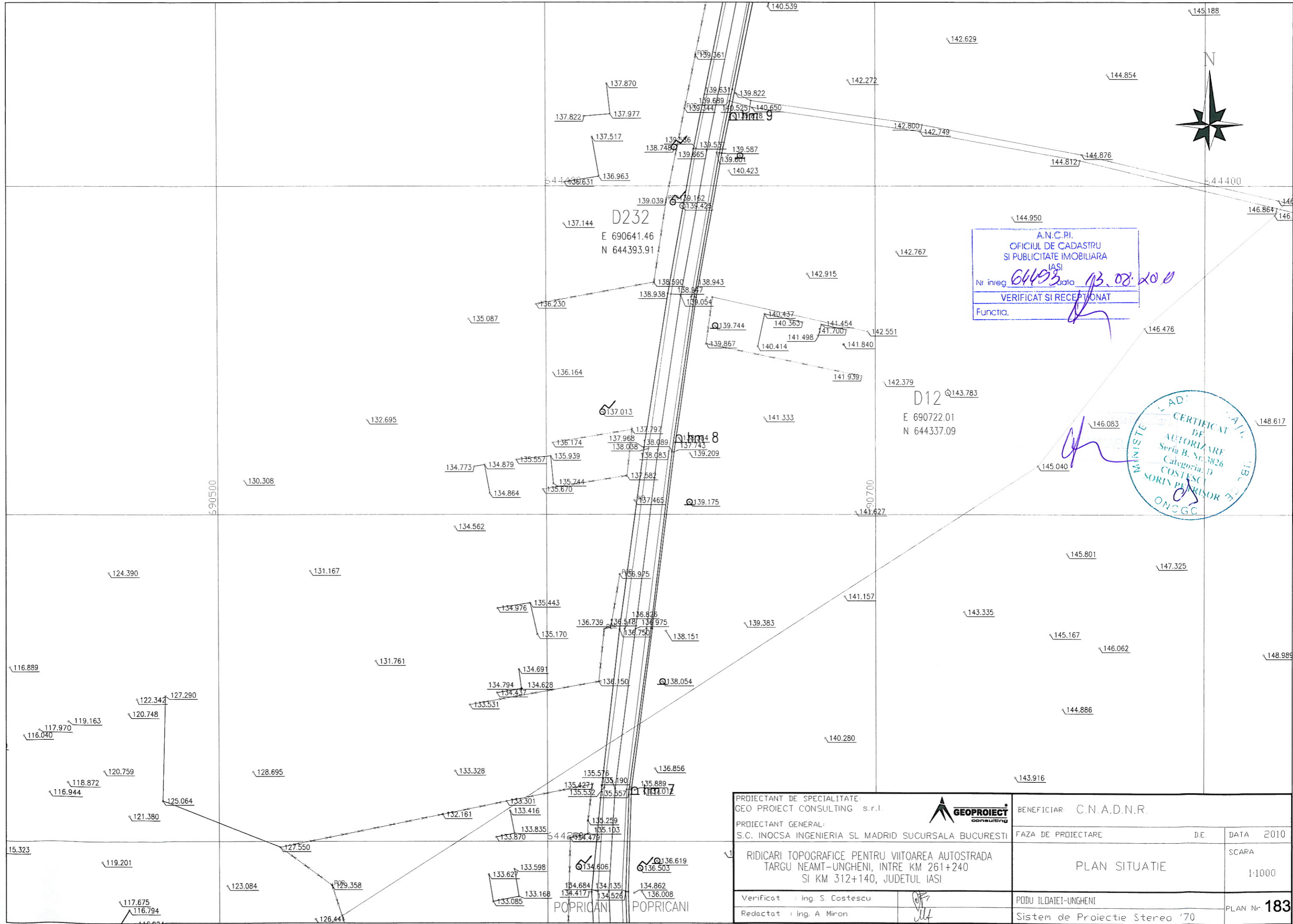


D230
 E 690457.25 @116.033
 N 644055.43

A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6495 data 13.08.2010
 VERIFICAT SI RECEPTONAT
 Functia.

MINISTERUL DE INTERIOR
 CERTIFICAT DE AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 CODIFICUL SORIN P. PASOR
 ONEGC

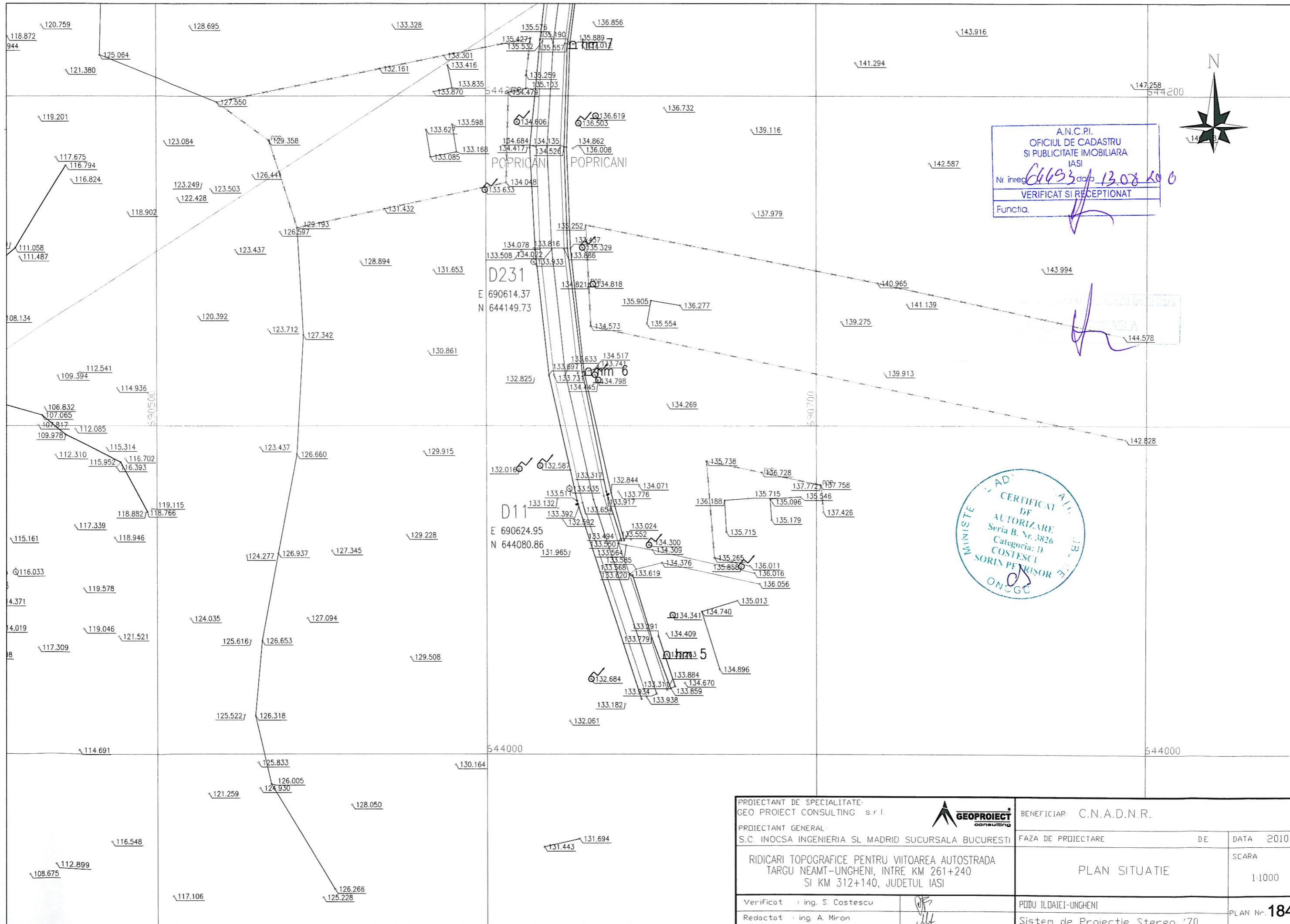
| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PDDU ILDAIEI-UNGHENI | PLAN Nr. 182 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 64493 data 13.08.2010
 VERIFICAT SI RECEPTONAT
 Functia.



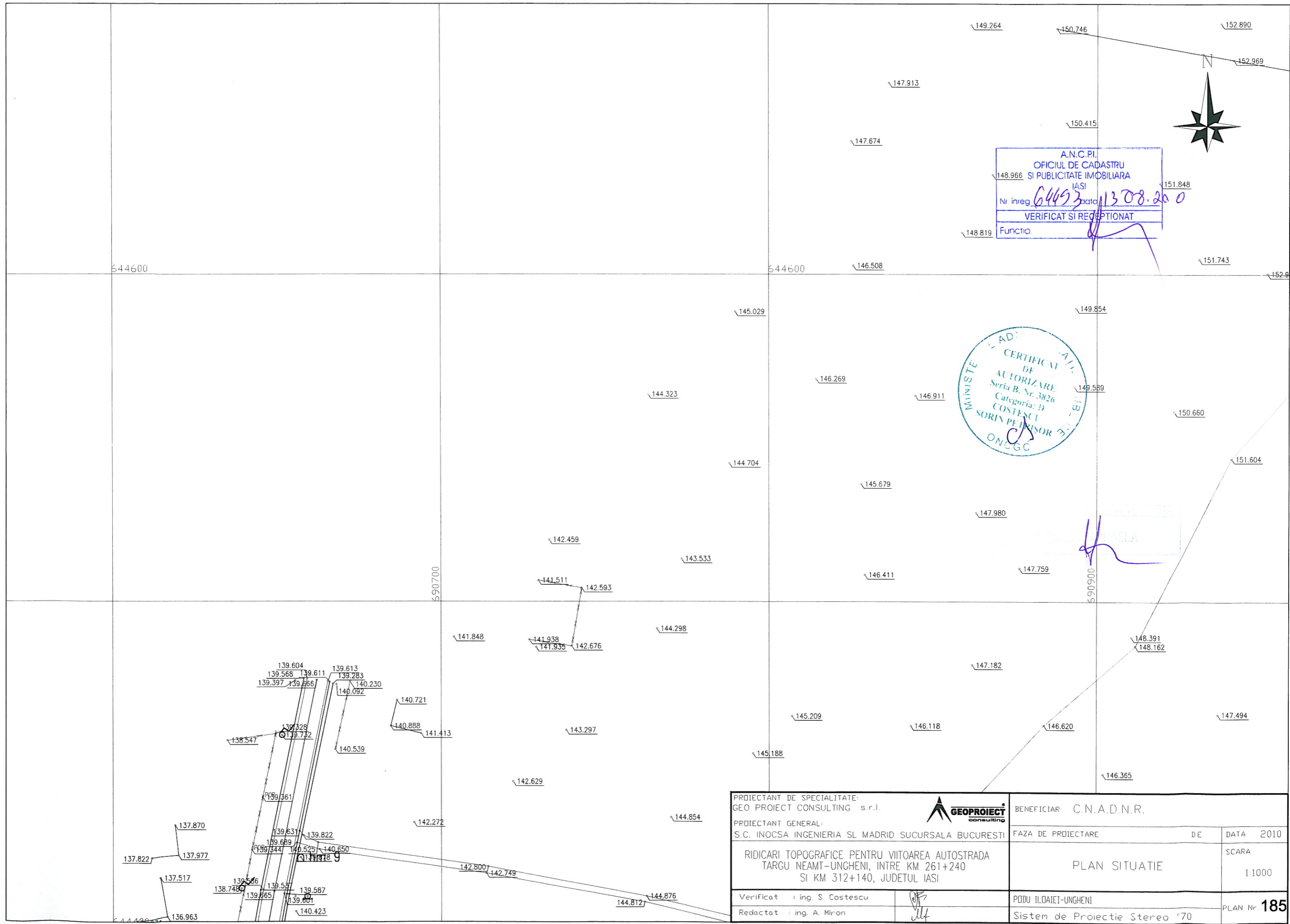
| | | | |
|--|--------------------|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : Ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : Ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | PLAN Nr. 183 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia. *[Signature]*

MINISTERUL
 DE
 TRANSPORTURI
 SI
 CALITATEA
 INFRASTRUCTURII
 DE
 TRANSPORTURI
 CERTIFICAT
 DE
 AUTORIZARE
 Seria B, Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRISOR
 ONOCC

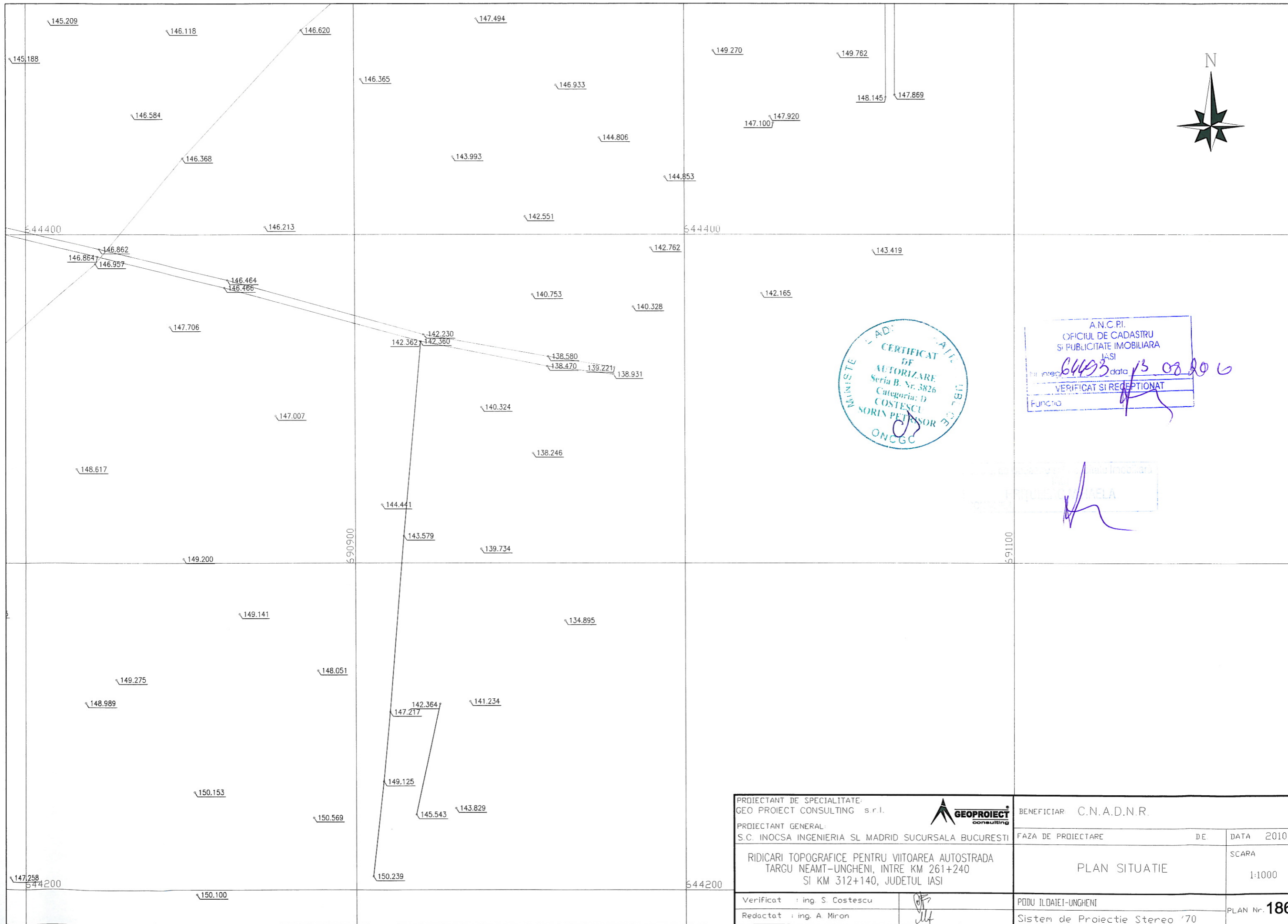
| | | | |
|--|--------------------|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | <i>[Signature]</i> | PODU ILOAIEI-UNGHENI | PLAN Nr. 184 |
| Redactat : ing. A. Miron | <i>[Signature]</i> | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIAT
 Functia: _____



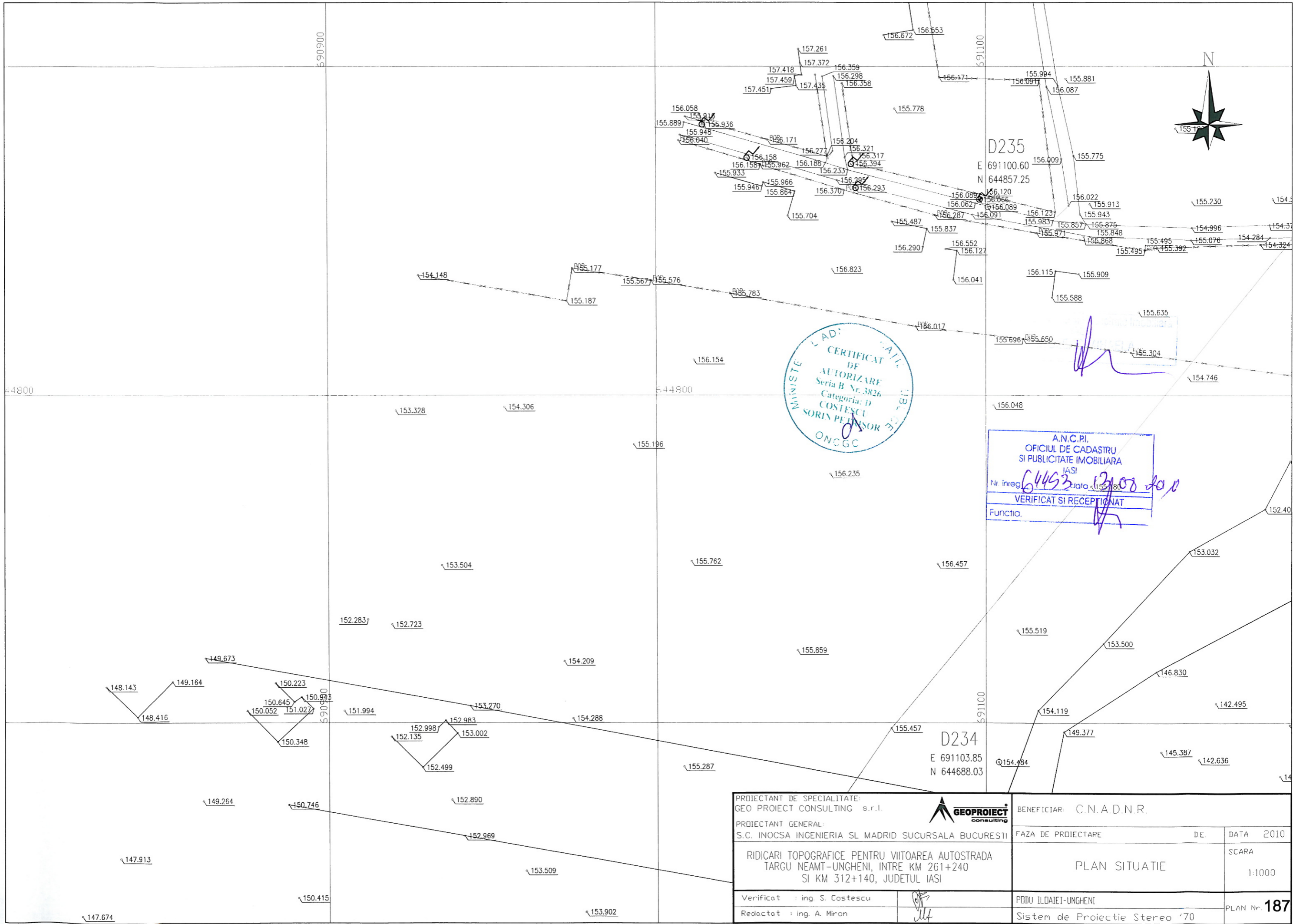
| | | | |
|--|--|--------------------------------|---------------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIETI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 185 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia



PROIECTANT GENERAL
 S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI

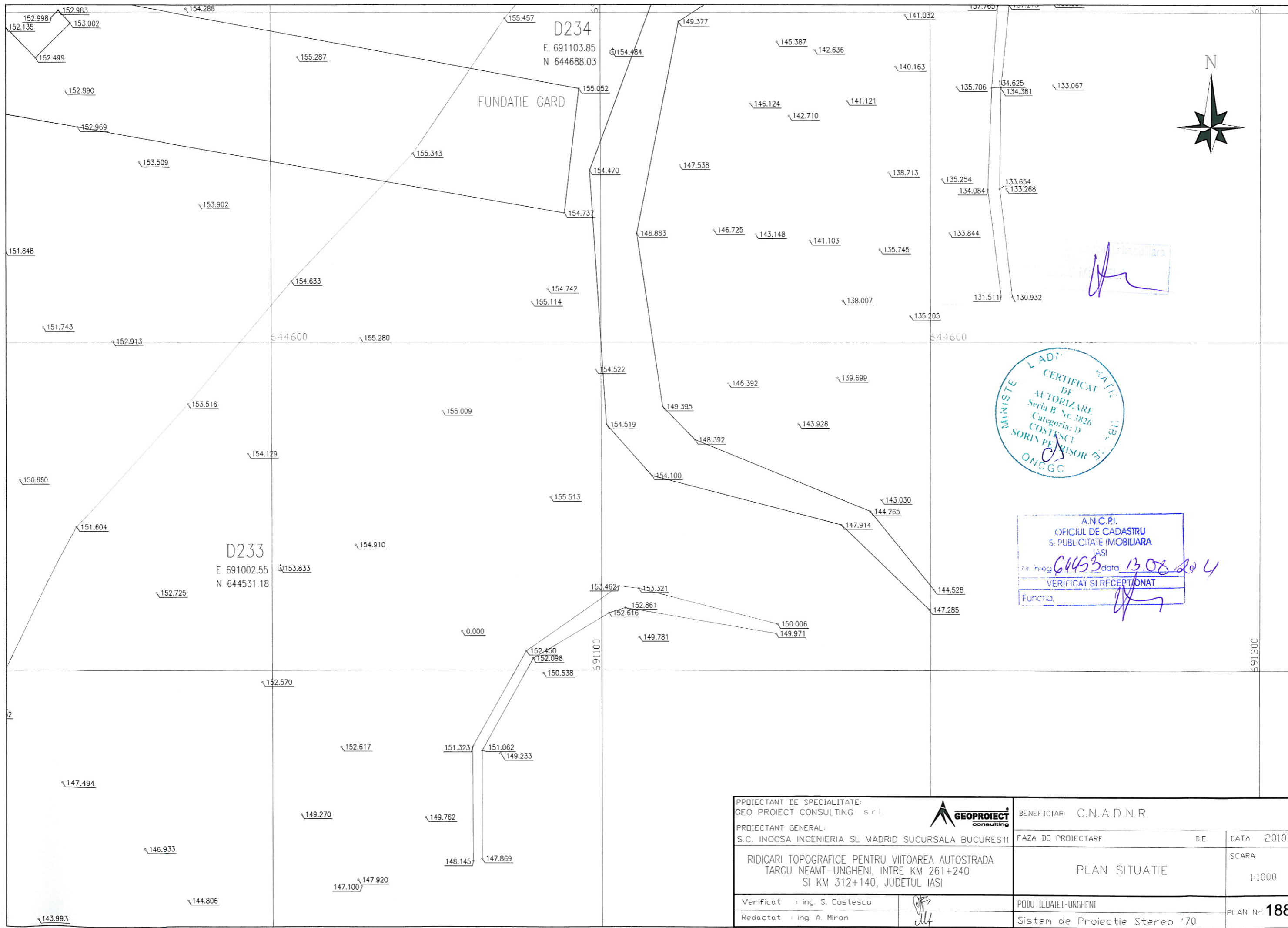
| | | | |
|--|--|--------------------------------|--------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DE |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | DATA | 2010 |
| Verificat : ing. S. Costescu | | SCARA | 1:1000 |
| Redactat : ing. A. Miron | | PLAN Nr. 186 | |
| | | Sistem de Proiectie Stereo '70 | |



MINISTERUL DE ADR
 CERTIFICAT DE
 AUTORIZARE
 Seria B Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PENSOR
 ONCGC

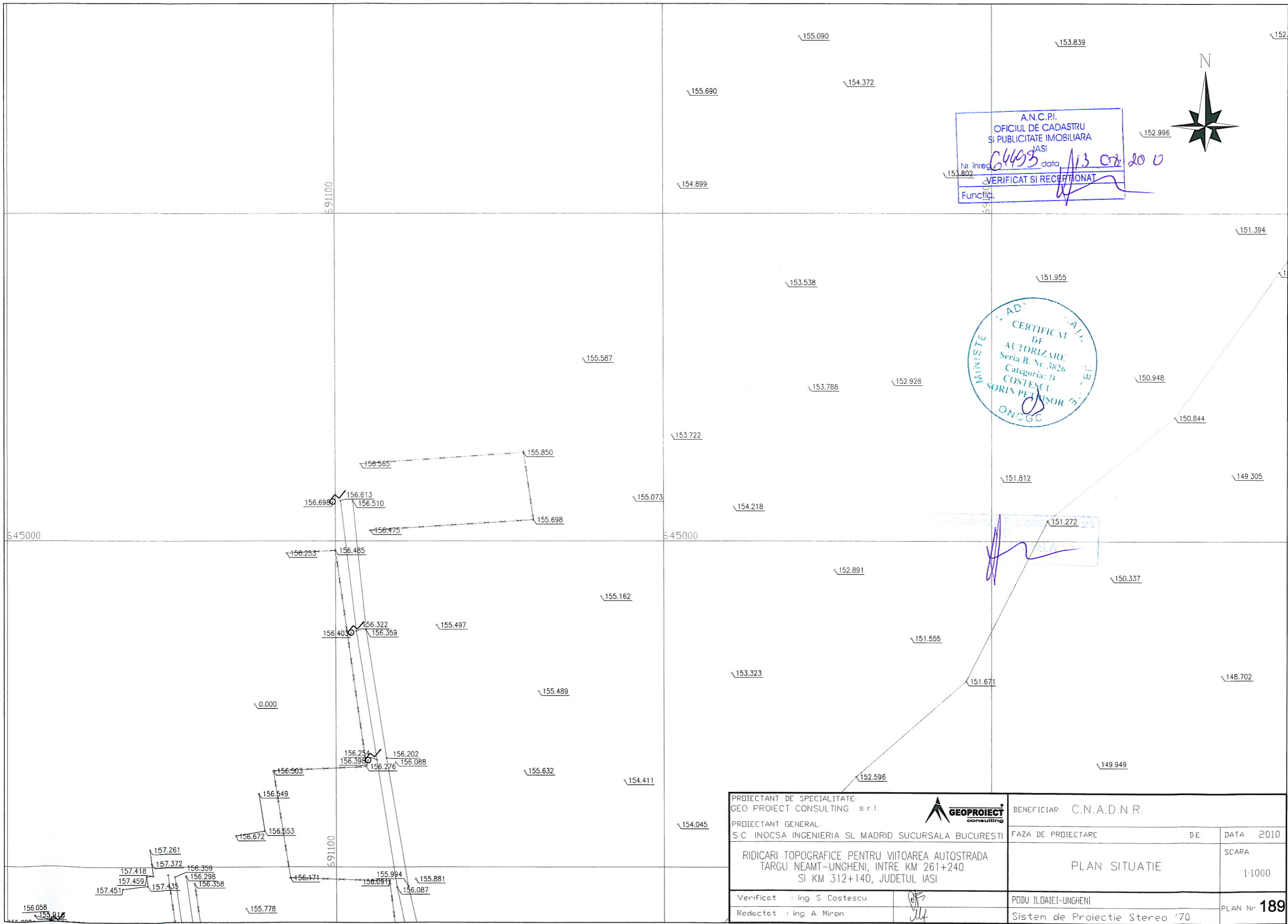
A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64453 data 12.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

| | | | |
|--|---|--------------------------------|----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | D.E. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu |  | PDDU ILDOAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron |  | Sistem de Proiectie Stereo '70 | PLAN Nr. 187 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. Inreg. 6453 data 13.08.2014
 VERIFICAT SI RECEPTIONAT
 Functia: _____

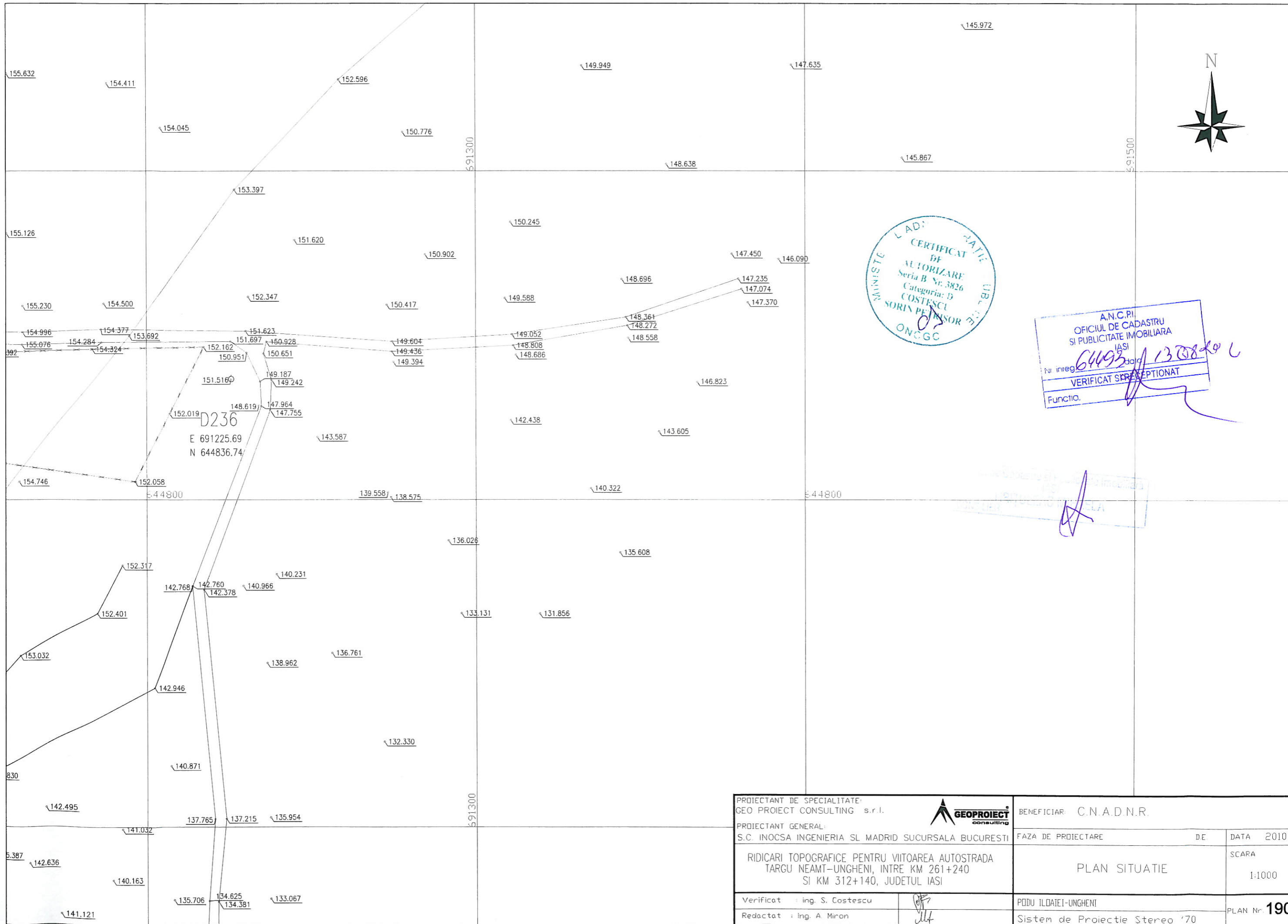
| | | | |
|--|--|--------------------------------|----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SL MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | D.E. DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 188 |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr inreg 6493 data 13 Oct 2010
 VERIFICAT SI RECEPTIONAT
 Functia: _____

MINISTERUL DE INTERNE
 SECURITATE SI ORDINE
 PUBLICE
 CERTIFICAT DE
 AUTORIZARE
 Seria B. Nr. 3826
 Categoria: D
 COSTESCU
 SORIN PETRUSOR
 ONOCCO

| | | | |
|--|--|--------------------------------|--------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | |
| Verificat : ing. S. Costescu | | PDDU ILOATEI-UNGHENI | SCARA 1:1000 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | PLAN Nr. 189 |



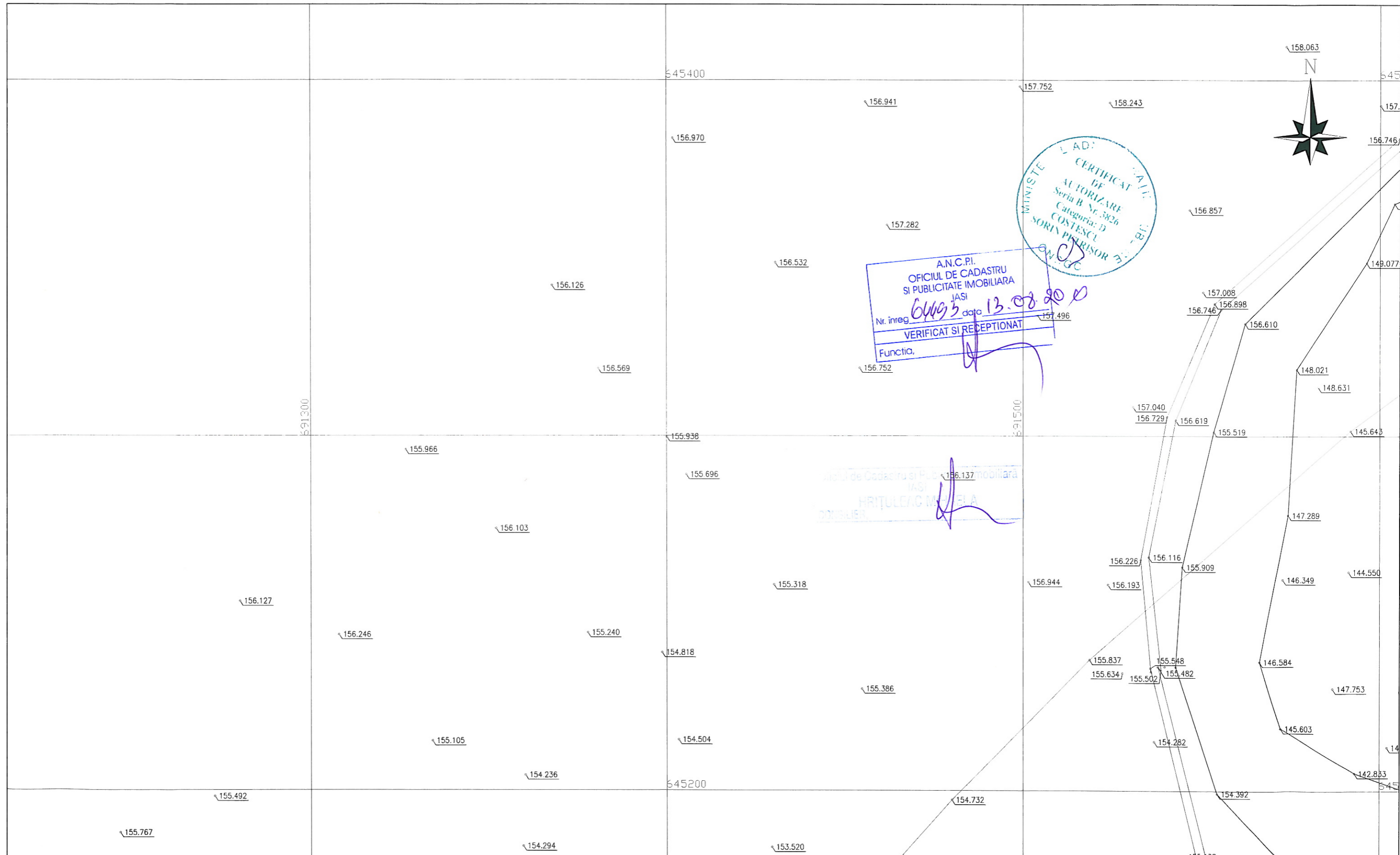
D236
E 691225.69
N 644836.74



A.N.C.P.I.
OFICIUL DE CADASTRU
SI PUBLICITATE IMOBILIARA
IASI
Nr inreg. 64493 data 13.08.2010
VERIFICAT SI RECEPTIONAT
Functia. _____

Oficiul de Cadastru si Publicitate Imobiliara
IASI
STRADA MARIUS NITULESCU NR. 10
BUCURESTI

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 190 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |



A.N.C.P.I.
 OFICIUL DE CADASTRU
 SI PUBLICITATE IMOBILIARA
 IASI
 Nr. inreg. 64493 data 13.08.2010
 VERIFICAT SI RECEPTIONAT
 Functia.

Oficiu de Cadastru si Publicitate Imobiliara
 IASI
 HRIȚULEAC MARIȘA
 CONSILIER

| | | | |
|--|--|--------------------------------|-----------------|
| PROIECTANT DE SPECIALITATE: GEO PROIECT CONSULTING s.r.l. | | BENEFICIAR: C.N.A.D.N.R. | |
| PROIECTANT GENERAL: S.C. INOCSA INGENIERIA SI MADRID SUCURSALA BUCURESTI | | FAZA DE PROIECTARE | DATA 2010 |
| RIDICARI TOPOGRAFICE PENTRU VIITOAREA AUTOSTRADA TARGU NEAMT-UNGHENI, INTRE KM 261+240 SI KM 312+140, JUDETUL IASI | | PLAN SITUATIE | SCARA 1:1000 |
| Verificat : ing. S. Costescu | | PODU ILDAIEI-UNGHENI | PLAN Nr. 191 |
| Redactat : ing. A. Miron | | Sistem de Proiectie Stereo '70 | |