



**S.C. ROUTTE - CONSTRUCT S.R.L**  
**BACAU**

Reg. Com. J 04/162/2001

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SR EN ISO 9001:2015  
SR EN ISO 14001:2015  
SR OHSAS 18001:2008

COD ISO – F-8.5 - 01  
PROIECT: 500 / 2018  
FAZA : *Studiu TOPO*

## **DENUMIREA LUCRARI:**

**MODERNIZARE DRUMURI LOCALE  
IN SATELE NICOLAE BĂLCESCU SI GALBENI,  
COMUNA NICOLAE BĂLCESCU,  
JUDEȚUL BACĂU**

## **BENEFICIAR:**

**COMUNA NICOLAE BALCESCU**

## **EXEMPLAR**

**Nr. 2**

# MEMORIU TEHNIC

## ➤ DATE GENERALE

**Denumirea lucrării:** “MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BĂLCESCU SI GALBENI, COMUNA NICOLAE BĂLCESCU, JUDEȚUL BACĂU”.

**Beneficiar:** COMUNA NICOLAE BALCESCU

**Executant studiu topo:** S.C. ROUTTE CONSTRUCT S.R.L. BACAU, persoana juridica autorizata seria RO-B-J nr. 0892/28.07.2016.

## ➤ DELIMITAREA SI CARACTERIZAREA TERENULUI

Zona pentru care s-a solicitat efectuarea de masuratori topografice este situata in intravilanul satelor Nicolae Balcescu si Galbeni.

Tronsoanele de drum studiate sunt:

- Sat Nicolae Balcescu (DE 2223/1; DS 2233; DS 1286; DS 771; DS 158/1);
- Sat Galbeni (DS3427, 3434).

Din punct de vedere al reliefului terenul este plan.

## ➤ SISTEMUL DE SPRIJIN SI EXPLOATAREA DETALIILOR

Planul s-a intocmit la scara 1:1000, in sistem de proiectie X, Y - “STEREO 70”, sistem de referinta altimetric Z - Marea Neagra.

Pentru ridicare detaliilor s-a dezvoltat o drumuire, prin determinarea prin metoda GPS a 2 puncte (picheti metalici) pentru fiecare tronson de drum apoi s-au determinat punctele noi materializate prin picheti metalici si tarusi din lemn, din care s-au ridicat in plan toate detaliile planimetrice si nivelitice.

La exploatarea detaliilor s-a avut in vedere sa se asigure o densitate optima de puncte cotate care sa redea cat mai corect forma terenului, impuse de cerintele planului la scara 1 : 1000.

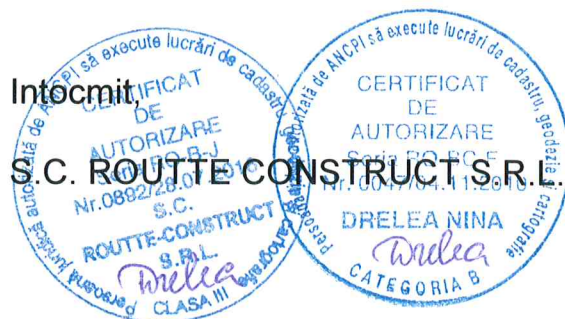
Masuratorile in teren s-au executat cu statia totala LEICA TCR 705 seria 653585. Determinarea punctelor prin metoda GPS s-a facut cu ajutorul aparatului HI-TARGET model V60 (baza + rover).

## ➤ REDACTAREA PLANULUI

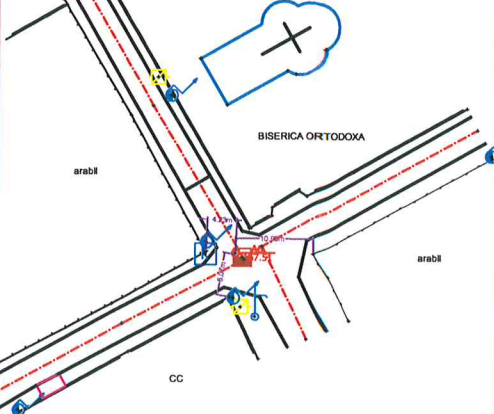
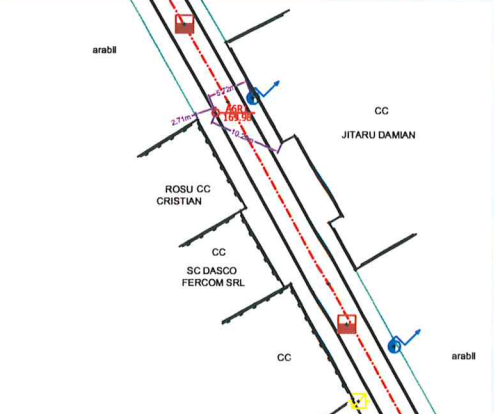
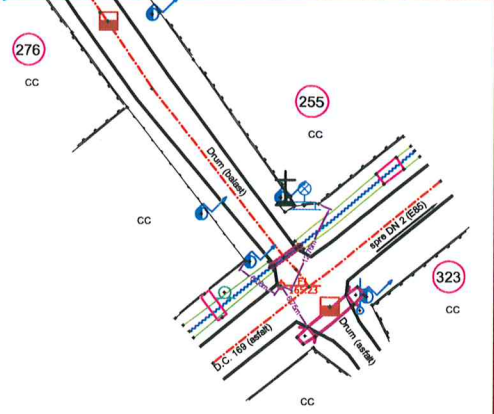

Calculul si prelucrarea datelor s-a facut cu ajutorul programelor Topo LT versiunea V10.5. si AutoCAD 2014 cu licenta.

Reprezentarea grafica a detaliilor planimetrice s-a facut cu semne conventionale cuprinse in “Atlasul de semne conventionale” editat de M.A.I.A. in anul 1978.

Pentru punctele din drumuirea principala s-au intocmit fise de descriere topografice, iar inventarul de coordonate cuprinde atat punctele vechi cat si cele nou determinate.



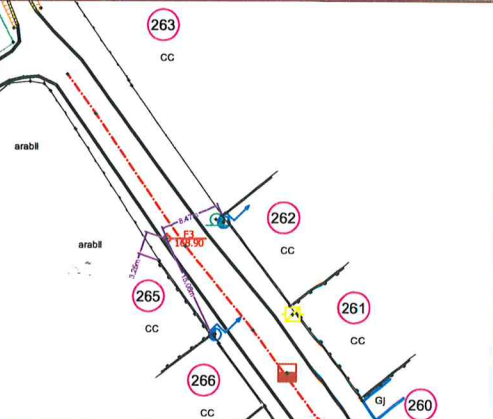
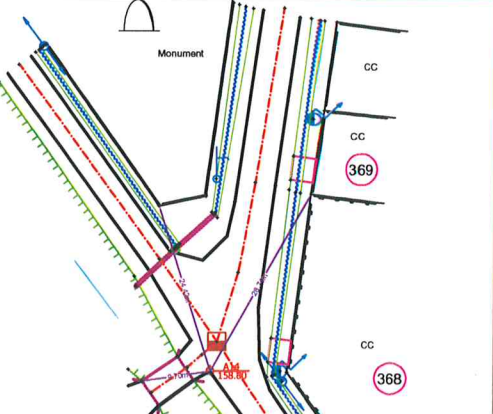
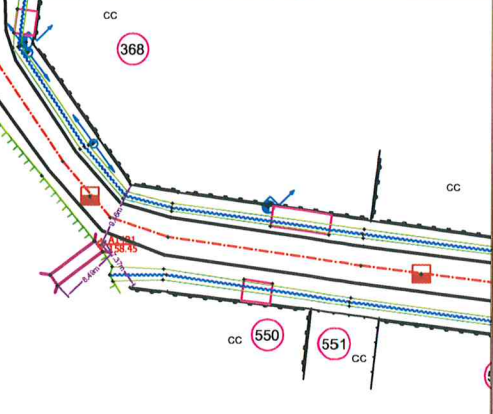
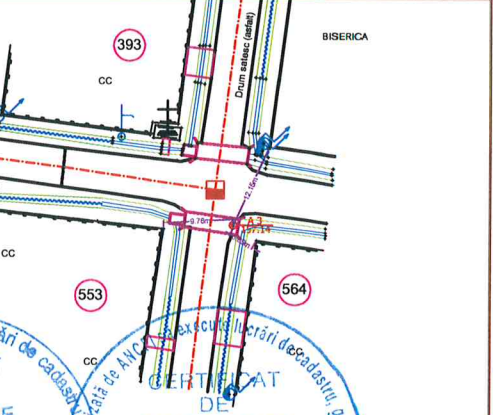
## DESCRIEREA TOPOGRAFICA A PUNCTELOR

Nr. crt.	Nr. punct	Materia -lizare	Descrierea punctului	Schita punctului
1	A6	PICHET METALIC	Punctul este amplasat conform schitei.	
2	A6R1	PICHET METALIC	Punctul este amplasat conform schitei.	
3	F1	PICHET METALIC	Punctul este amplasat conform schitei.	
4	F2	PICHET METALIC	Punctul este amplasat conform schitei.	
<p>Intocmit,</p> <p style="text-align: center;">S.C. ROUTTE CONSTRUCT S.R.L.</p>				



CERTIFICAT DE AUTORIZARE  
 Seria RO-B-J  
 Nr. 0892/28.07.2010  
 S.C. ROUTTE-CONSTRUCT S.R.L.  
 CLASA III

CERTIFICAT DE AUTORIZARE  
 Seria RO-BC-F  
 Nr. 0047/04.11.2010  
 DRELEA NINA  
 CATEGORIA B

## DESCRIEREA TOPOGRAFICA A PUNCTELOR

Nr. crt.	Nr. punct	Materia -lizare	Descrierea punctului	Schita punctului
5	F3	PICHET METALIC	Punctul este amplasat conform schitei.	
6	A14	PICHET METALIC	Punctul este amplasat conform schitei.	
7	A14R1	PICHET METALIC	Punctul este amplasat conform schitei.	
8	A3	PICHET METALIC	Punctul este amplasat conform schitei.	
<p style="text-align: center;">Intocmit,</p> <p style="text-align: center;">S.C. ROUTTE CONSTRUCT S.R.L.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div data-bbox="821 1915 1093 2206" style="text-align: center;"> <p>CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr.0892/28.07.2016 S.C. ROUTTE CONSTRUCT S.R.L. <i>Writia</i></p> </div> <div data-bbox="1109 1915 1380 2206" style="text-align: center;"> <p>CERTIFICAT DE AUTORIZARE Seria RO-BC-F Nr. 0047/04.11.2010 DRELEA NINA <i>Drelea</i> CATEGORIA B</p> </div> </div>				

## DESCRIEREA TOPOGRAFICA A PUNCTELOR

Nr. crt.	Nr. punct	Materia-lizare	Descrierea punctului	Schita punctului
9	B1	PICHET METALIC	Punctul este amplasat conform schitei.	
10	C1	PICHET METALIC	Punctul este amplasat conform schitei.	
11	A3	PICHET METALIC	Punctul este amplasat conform schitei.	
12	A3R	PICHET METALIC	Punctul este amplasat conform schitei.	
<p>Intocmit,</p> <p style="text-align: center;">S.C. ROUTTE CONSTRUCT S.R.L.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>				

## DESCRIEREA TOPOGRAFICA A PUNCTELOR

Nr. crt.	Nr. punct	Materia -lizare	Descrierea punctului	Schita punctului
13	A4	PICHET METALIC	Punctul este amplasat conform schitei.	
14	A5	PICHET METALIC	Punctul este amplasat conform schitei.	

Intocmit,  
S.C. ROUTTE CONSTRUCT S.R.L.



Denumirea lucrării: “ MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BĂLCESCU SI GALBENI,  
COMUNA NICOLAE BĂLCESCU, JUDEȚUL BACĂU”.

Beneficiar: COMUNA NICOLAE BALCESCU

Proiect nr.: 500/2018

Faza: St. TOPO

INVENTAR DE COORDONATE

Sat Nicolae Balcescu

DS 48

873 556075.11 646913.70 169.16	840 555977.16 646961.93 169.92	803 555864.35 647035.43 169.55
872 556084.41 646913.49 168.88	839 555972.26 646964.98 169.99	737 555764.76 647037.41 168.40
871 556083.54 646912.19 169.00	838 555971.83 646964.42 170.04	736 555764.46 647039.81 168.31
870 556082.25 646910.31 169.04	837 555967.83 646966.68 169.99	735 555762.58 647040.86 168.29
869 556081.15 646908.06 169.08	836 555943.22 646980.57 170.06	734 555760.49 647041.88 168.24
868 556079.43 646904.73 169.04	835 555945.72 646984.88 169.99	733 555758.92 647042.58 168.13
867 556066.98 646911.55 169.16	834 555946.68 646986.63 170.01	732 555761.97 647047.43 168.25
866 556067.49 646912.52 169.19	833 555956.73 646978.65 169.99	731 555765.37 647049.98 168.17
865 556054.93 646919.51 169.19	832 555954.16 646984.60 170.01	730 555767.06 647053.15 168.10
864 556054.61 646920.15 169.26	831 555946.29 646988.42 169.98	729 555770.26 647062.94 167.81
863 556056.73 646926.99 169.10	830 555939.95 646992.52 169.99	728 555772.28 647062.89 167.81
862 556055.09 646927.86 169.38	829 555940.91 646994.33 169.99	727 555774.26 647062.03 167.89
861 556054.08 646926.62 169.13	828 555929.68 647000.60 170.05	726 555776.10 647060.99 167.89
860 556038.34 646928.23 169.29	827 555928.70 646998.91 170.05	725 555777.08 647060.61 168.04
859 556038.97 646929.62 169.32	826 555930.73 646987.55 170.13	724 555813.14 647090.31 167.83
858 556039.67 646931.27 169.33	825 555930.25 646986.72 170.07	723 555809.61 647086.61 167.80
857 556040.40 646932.83 169.28	824 555919.47 646992.99 170.19	722 555810.08 647085.40 167.83
856 556041.37 646934.55 169.24	823 555919.97 646993.87 170.15	721 555805.27 647076.89 167.85
855 556036.69 646933.15 169.39	822 555918.96 646996.88 170.10	720 555811.83 647073.06 168.10
854 556034.70 646938.48 169.18	821 555920.10 646998.87 170.07	719 555866.80 647028.70 169.58
853 556017.19 646947.83 169.61	820 555921.13 647000.76 170.04	718 555863.53 647035.86 169.52
852 556009.11 646953.24 169.43	819 555922.07 647002.65 170.08	717 555861.03 647035.49 169.45
851 556008.01 646951.67 169.54	818 555911.27 647008.24 169.95	716 555859.69 647033.50 169.47
850 556006.91 646950.02 169.57	817 555914.33 647001.47 170.10	715 555858.71 647031.90 169.44
849 556006.13 646948.46 169.57	816 555903.86 647002.43 169.97	714 555857.78 647030.09 169.48
848 556004.82 646946.11 169.71	815 555903.46 647003.24 170.05	713 555840.05 647042.14 169.09
847 555995.53 646951.02 169.69	814 555894.37 647007.94 169.88	712 555841.55 647048.73 169.10
846 555986.42 646956.19 169.76	813 555887.05 647012.27 169.51	711 555834.62 647052.93 168.96
845 555989.24 646960.43 169.71	812 555888.50 647013.86 169.79	710 555833.98 647052.06 168.93
844 555981.24 646968.43 169.93	811 555889.70 647015.86 169.80	709 555833.00 647050.32 168.95
843 555980.43 646967.43 169.86	810 555890.63 647017.65 169.77	708 555832.13 647048.82 168.96
842 555979.10 646965.57 169.88	809 555891.54 647019.82 169.65	707 555831.36 647047.26 168.94
841 555978.13 646963.71 169.93	808 555881.48 647025.52 169.75	706 555825.56 647054.89 168.70
	807 555882.71 647023.05 169.79	705 555819.42 647054.18 168.82
	806 555878.45 647025.13 169.73	704 555809.19 647067.12 168.13
	805 555876.62 647028.11 169.67	703 555803.77 647063.30 168.14
	804 555867.02 647033.90 169.62	702 555804.27 647064.56 168.01



701 555805.14 647066.41 168.01  
700 555806.07 647068.06 168.01  
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692 555784.12 647073.78 167.65  
691 555785.02 647075.50 167.56  
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688 555778.02 647081.58 167.19  
687 555778.03 647077.25 167.60  
686 555777.89 647077.81 167.58  
685 555776.60 647078.82 167.45  
684 555775.24 647080.86 167.32  
683 555769.25 647081.39 167.44  
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681 555772.02 647088.11 166.84  
680 555773.29 647090.55 166.77  
679 555774.68 647093.64 166.66  
678 555784.11 647089.04 167.20  
677 555780.84 647087.04 167.11  
676 555786.00 647088.19 167.21  
675 555786.80 647081.53 167.38  
674 555787.34 647079.13 167.50  
673 555787.77 647080.12 167.62  
672 555789.52 647083.24 167.47  
671 555790.70 647083.29 167.46  
670 555793.05 647087.10 167.42  
669 555792.31 647088.18 167.46  
599 555804.80 647110.20 166.82  
598 555803.71 647110.69 166.50  
597 555801.76 647111.67 166.49  
596 555799.94 647112.75 166.44  
595 555798.09 647113.62 166.44  
594 555797.71 647113.75 166.49  
A6R1 555944.13 646983.12 169.98  
A6 555784.21 647078.11 167.51

Sat Nicolae Balcescu

DS 104

F1 555209.92 646871.25 165.23  
198 555412.66 646736.40 166.02  
197 555412.17 646724.32 165.90  
196 555413.18 646723.54 165.81  
195 555412.47 646722.40 165.87  
194 555413.02 646721.43 165.75  
193 555412.53 646719.40 165.75  
192 555412.19 646719.48 165.90  
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157 555389.14 646744.54 169.05  
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155 555392.95 646748.82 168.78  
154 555392.58 646749.90 168.93  
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146 555380.69 646759.27 169.53  
145 555379.45 646759.62 169.68  
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138 555355.75 646763.64 170.38  
137 555356.80 646765.33 170.14  
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132 555354.96 646777.76 169.84  
131 555344.14 646771.24 170.21  
130 555331.40 646786.94 169.81  
129 555327.23 646783.37 170.10

128 555327.28 646783.01 170.14	91 555269.16 646831.13 168.16	53 555208.76 646860.44 165.79
127 555335.80 646777.17 170.06	90 555267.77 646828.85 168.25	52 555208.98 646863.27 165.63
126 555336.54 646779.18 169.89	89 555266.14 646827.01 168.54	51 555213.42 646866.28 165.56
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124 555339.38 646784.56 169.85	87 555267.13 646827.70 168.47	49 555215.51 646873.87 165.01
123 555341.37 646787.16 169.84	86 555271.47 646824.70 168.55	48 555215.15 646874.51 164.99
122 555334.95 646791.65 169.84	85 555256.86 646833.58 168.02	47 555215.67 646873.98 164.79
121 555332.95 646791.29 169.75	84 555253.53 646835.90 167.92	46 555216.23 646873.22 165.09
120 555332.37 646790.39 169.74	83 555252.48 646835.28 168.04	45 555215.19 646873.41 165.10
119 555329.09 646792.68 169.73	82 555252.33 646851.38 166.87	44 555213.96 646871.66 165.18
118 555330.54 646794.73 169.75	81 555249.94 646848.11 167.07	43 555212.70 646869.97 165.24
117 555332.22 646797.00 169.55	80 555248.54 646845.71 167.14	42 555213.37 646869.52 165.27
116 555330.01 646799.07 169.48	79 555246.98 646843.26 167.22	41 555212.52 646869.78 164.92
115 555327.94 646796.52 169.63	78 555245.71 646841.76 167.32	40 555212.08 646870.30 165.19
114 555315.11 646791.70 169.77	77 555247.29 646846.77 167.11	39 555212.85 646870.34 165.22
113 555311.69 646794.17 169.74	76 555248.30 646852.95 167.09	38 555210.13 646870.78 165.21
112 555313.06 646796.01 169.63	75 555248.56 646854.06 167.01	37 555212.20 646873.39 165.09
111 555314.84 646798.47 169.66	74 555241.86 646858.82 166.22	36 555209.75 646875.20 165.17
110 555316.66 646801.19 169.57	73 555239.34 646855.56 166.34	35 555207.05 646878.06 165.04
109 555318.17 646803.51 169.53	72 555237.75 646852.99 166.41	34 555202.82 646874.68 164.13
108 555311.22 646808.37 169.27	71 555236.18 646850.91 166.55	33 555209.87 646881.96 164.98
107 555302.74 646800.47 169.62	70 555235.15 646849.52 166.83	32 555208.73 646881.72 164.02
106 555306.88 646810.26 169.26	69 555220.12 646859.94 165.92	31 555208.79 646882.88 164.99
105 555299.27 646816.83 169.02	68 555222.41 646871.20 165.40	30 555208.48 646883.26 164.71
104 555299.78 646814.69 169.06	67 555221.48 646870.89 165.34	29 555207.32 646884.00 164.55
103 555295.25 646815.27 168.99	66 555221.53 646871.89 165.15	28 555206.54 646882.31 164.62
102 555293.35 646812.96 169.09	65 555220.35 646871.82 165.19	27 555201.20 646875.87 164.90
101 555291.98 646811.13 169.12	64 555221.21 646873.20 165.19	26 555201.66 646874.43 165.13
100 555290.80 646809.27 169.43	63 555221.24 646874.54 165.02	25 555202.63 646873.53 165.14
99 555290.39 646809.28 169.25	62 555221.54 646876.53 164.99	24 555204.82 646873.49 165.24
98 555287.29 646818.43 168.84	61 555196.74 646863.27 165.73	23 555204.08 646875.04 165.16
97 555278.40 646817.85 168.81	60 555198.95 646861.64 165.80	22 555202.75 646876.12 165.04
96 555277.51 646818.89 168.78	59 555201.34 646859.90 165.72	21 555202.85 646877.39 164.94
95 555280.08 646830.79 168.28	58 555202.55 646858.91 165.75	20 555202.22 646878.58 164.83
94 555277.44 646831.96 168.36	57 555203.45 646858.30 165.45	19 555200.25 646880.75 164.60
F2 555320.94 646791.31 169.79	56 555204.32 646857.44 165.87	18 555198.36 646882.19 164.45
93 555272.65 646836.39 168.12	55 555205.29 646856.32 166.01	17 555201.00 646885.15 164.40
92 555270.76 646833.79 168.14	54 555205.42 646862.98 165.53	16 555204.95 646882.27 164.68

15 555206.73 646881.37 164.83	281 555075.12 647260.78 156.84	241 555092.71 647253.75 156.53
14 555207.35 646881.42 164.79	280 555074.40 647262.85 156.77	240 555092.75 647254.13 156.56
13 555208.74 646880.36 164.97	279 555075.96 647260.00 156.98	239 555092.70 647254.72 156.91
12 555210.71 646880.57 164.93	278 555075.33 647262.61 156.73	238 555099.89 647254.23 157.04
11 555226.54 646888.47 164.24	277 555075.98 647262.75 156.01	237 555099.79 647254.64 156.59
10 555224.42 646885.68 164.33	276 555076.28 647262.79 156.02	236 555099.77 647254.98 156.56
9 555225.84 646884.55 164.35	275 555076.90 647262.96 156.60	235 555099.64 647255.66 156.94
8 555228.20 646887.37 164.31	274 555076.53 647261.12 156.11	234 555099.80 647256.44 156.95
7 555231.12 646888.38 164.29	273 555077.20 647261.93 156.60	233 555103.76 647257.00 156.98
6 555229.82 646889.41 164.21	272 555077.18 647261.38 156.31	232 555104.18 647254.90 157.10
5 555229.15 646889.95 163.85	271 555077.31 647261.13 156.35	231 555104.10 647255.18 156.61
4 555228.35 646890.67 164.08	270 555078.21 647260.34 156.93	230 555104.11 647255.68 156.64
3 555227.10 646891.73 164.15	269 555080.44 647260.23 156.91	229 555104.01 647256.32 157.01
2 555224.87 646893.62 164.22	268 555080.37 647260.82 156.46	228 555107.20 647256.69 157.03
1 555222.76 646895.21 164.14	267 555080.31 647261.23 156.47	227 555107.36 647256.13 156.71
	266 555080.32 647261.63 156.87	226 555107.36 647255.75 156.71
	265 555078.87 647262.32 156.69	225 555107.48 647255.41 157.12
Sat Nicolae Balcescu	263 555075.31 647272.09 156.45	224 555111.83 647255.91 157.14
DS 1286+DS 771	262 555074.70 647271.90 155.92	223 555111.67 647256.27 156.75
	261 555074.43 647271.92 155.93	222 555111.60 647256.64 156.74
299 555078.89 647241.01 156.71	260 555073.76 647271.99 156.60	221 555111.50 647257.30 157.12
298 555079.23 647241.02 156.71	259 555073.05 647271.98 156.61	220 555107.39 647257.51 157.06
297 555079.66 647241.09 157.13	258 555067.64 647271.22 156.63	219 555111.35 647258.02 157.07
296 555076.42 647250.20 157.03	257 555066.87 647271.02 156.58	218 555119.13 647266.79 157.11
295 555077.45 647247.85 157.01	256 555066.26 647271.01 156.12	217 555119.24 647266.20 156.66
294 555077.96 647247.94 156.44	255 555065.89 647271.06 156.12	216 555119.30 647265.52 156.94
293 555078.39 647248.02 156.44	254 555065.49 647270.98 156.52	215 555119.50 647264.57 157.10
292 555078.87 647248.09 156.99	252 555088.00 647262.60 156.71	214 555119.92 647262.26 157.17
291 555078.51 647252.14 156.45	251 555088.05 647262.21 156.35	213 555120.00 647261.88 157.17
290 555078.59 647251.78 156.44	250 555088.12 647261.78 156.39	212 555120.39 647259.17 157.17
289 555078.70 647251.20 156.99	249 555088.20 647261.25 156.79	211 555120.37 647258.41 157.13
288 555078.13 647251.00 156.40	248 555087.57 647252.66 156.87	210 555120.48 647257.80 156.73
287 555077.85 647250.91 156.40	247 555087.48 647253.03 156.52	209 555120.43 647257.41 156.73
286 555077.24 647250.82 156.99	246 555087.43 647253.46 156.47	208 555120.44 647257.19 157.19
285 555076.76 647252.71 157.09	245 555087.28 647254.02 156.88	406 555067.27 647258.06 156.94
284 555078.99 647253.61 157.01	244 555088.09 647254.94 156.85	A3 555067.27 647258.06 156.95
283 555078.93 647253.05 156.99	243 555092.05 647255.45 156.87	473 555045.22 647245.08 157.02
282 555078.79 647259.26 156.98	242 555092.73 647253.30 157.03	463 555043.47 647257.59 156.86

462 555043.42 647258.36 156.86	1189 555072.78 647224.52 157.54	1151 555089.26 647165.49 158.29
430 555065.11 647261.35 156.63	1188 555073.52 647219.28 157.68	1150 555088.68 647165.15 158.36
422 555066.82 647248.31 156.82	1187 555078.76 647207.29 157.86	1149 555086.57 647163.71 158.49
411 555078.32 647263.12 156.69	1186 555072.40 647201.42 158.03	1148 555084.70 647162.57 158.53
409 555077.84 647262.15 156.59	1185 555073.68 647192.04 158.26	1147 555076.92 647156.24 158.35
376 555080.09 647246.36 157.03	1184 555074.19 647197.24 158.02	1146 555078.44 647155.19 158.34
375 555081.87 647246.75 156.93	1183 555074.76 647197.27 157.80	1145 555081.75 647162.64 158.42
374 555079.70 647246.86 156.95	1182 555075.35 647197.48 158.00	1144 555083.21 647161.50 158.39
373 555079.34 647250.50 156.76	1181 555077.36 647198.69 157.96	1143 555089.60 647160.80 158.54
372 555081.07 647250.78 156.88	1180 555079.90 647198.77 157.99	936 555163.49 647145.04 158.83
371 555081.62 647250.32 156.94	1179 555082.63 647199.10 157.95	935 555163.25 647145.84 158.79
369 555100.56 647252.77 157.15	1178 555083.80 647199.08 157.91	934 555162.97 647146.74 158.42
368 555103.94 647253.19 157.14	1177 555084.39 647198.99 157.75	933 555162.69 647147.83 158.85
363 555119.94 647255.01 156.96	1176 555085.07 647199.22 158.00	932 555162.45 647149.25 158.98
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352 555118.55 647268.43 156.84	1174 555084.25 647194.41 158.07	930 555161.40 647154.34 159.13
28 555109.26 647130.37 158.95	1173 555085.38 647186.30 158.22	929 555161.28 647155.91 159.03
27 555104.98 647133.28 158.91	1172 555088.15 647185.98 158.40	928 555161.04 647156.88 158.47
25 555111.61 647130.34 158.69	1171 555077.26 647186.62 158.22	927 555160.99 647157.46 158.75
15 555113.68 647140.72 158.82	1170 555077.88 647182.60 158.21	926 555160.81 647159.13 158.77
14 555111.89 647138.68 159.13	1169 555079.65 647164.01 158.11	925 555148.32 647157.47 158.85
13 555108.35 647133.67 159.12	1168 555078.47 647163.64 157.67	924 555147.06 647156.18 158.80
1217 555067.87 647238.92 157.18	1167 555077.57 647164.09 157.93	923 555141.78 647153.50 158.85
1207 555080.80 647240.85 157.18	1166 555076.70 647166.55 158.24	922 555138.40 647153.07 158.83
1206 555080.09 647246.36 157.03	1165 555076.10 647171.87 158.28	921 555109.94 647132.26 159.19
1202 555079.83 647242.25 157.16	1164 555077.79 647171.24 158.22	920 555106.45 647134.75 159.13
1201 555082.81 647225.22 157.59	1163 555078.48 647171.73 157.93	919 555110.05 647139.57 159.13
1200 555082.75 647224.76 157.62	1162 555079.31 647171.35 158.19	918 555113.40 647137.33 159.19
1199 555081.69 647225.00 157.51	1161 555081.30 647171.43 158.37	917 555115.69 647139.25 158.83
1198 555081.16 647224.90 157.32	1160 555083.84 647171.91 158.33	916 555115.54 647142.81 158.78
1197 555080.68 647224.97 157.41	1159 555086.62 647172.33 158.25	915 555092.48 647153.97 158.55
1196 555079.45 647224.92 157.43	1158 555087.50 647172.44 158.24	914 555093.29 647155.00 158.60
1195 555076.69 647224.66 157.43	1157 555088.00 647172.48 158.08	913 555094.53 647156.93 158.59
1194 555071.73 647224.59 157.46	1156 555088.61 647172.55 158.27	912 555095.85 647158.88 158.51
1193 555071.21 647224.46 157.24	1155 555090.16 647173.34 158.46	911 555096.26 647159.42 158.45
1192 555070.70 647224.42 157.53	1154 555091.22 647166.66 158.49	910 555096.62 647159.99 158.19
1191 555074.11 647224.14 157.41	1153 555090.27 647166.13 158.37	909 555096.82 647160.60 158.37
1190 555069.57 647223.69 157.64	1152 555089.70 647165.81 158.03	908 555097.05 647161.28 158.49

907 555097.74 647162.10 158.52	870 555152.28 647111.81 159.09	292 555253.32 647695.63 151.72
906 555110.58 647149.87 158.57	869 555153.39 647113.11 159.11	291 555253.61 647692.70 151.88
905 555110.70 647150.59 158.30	868 555154.68 647114.71 159.12	290 555253.73 647689.77 151.91
904 555110.86 647150.98 158.43	867 555155.82 647116.39 159.09	289 555254.98 647687.54 152.01
903 555109.93 647152.00 158.67	866 555156.44 647117.01 159.00	288 555253.58 647686.01 152.12
902 555111.19 647152.69 158.59	865 555156.74 647117.48 158.74	287 555247.61 647686.06 152.12
901 555111.38 647151.74 158.64	864 555157.03 647117.75 158.88	286 555246.18 647687.68 152.47
900 555112.66 647150.00 158.64	863 555157.33 647118.11 158.99	285 555230.89 647687.37 152.15
899 555116.04 647150.47 158.65	862 555157.55 647118.42 158.99	284 555229.09 647696.61 151.86
898 555108.74 647150.32 158.62	A14R1 555082.78 647162.39 158.45	283 555215.80 647687.43 152.04
897 555113.00 647148.88 158.67	A14 555111.36 647141.86 158.80	282 555217.74 647690.02 152.10
896 555120.32 647148.70 158.67		281 555217.87 647692.74 152.09
895 555136.40 647155.97 158.83		280 555218.15 647695.31 152.02
894 555136.55 647154.46 158.84	Sat Nicolae Balcescu	279 555218.17 647696.80 152.04
893 555136.66 647153.80 158.36	DS 44+DS 66	276 555200.72 647688.29 152.03
892 555137.03 647152.90 158.86		275 555200.18 647697.26 152.11
891 555137.60 647151.00 158.96	326 554983.81 647653.35 153.02	274 555197.48 647692.59 152.11
890 555138.04 647148.18 158.92	314 555241.16 647688.72 151.99	273 555190.16 647696.95 152.05
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888 555138.58 647142.66 158.89	312 555318.62 647689.37 151.31	271 555186.08 647690.44 152.08
887 555130.42 647144.23 158.75	311 555318.76 647691.74 151.37	270 555186.07 647692.88 152.09
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886 555127.04 647140.82 158.76	308 555318.91 647695.87 151.40	268 555186.40 647697.54 152.07
885 555123.37 647131.44 158.57	307 555299.57 647688.34 151.47	267 555179.10 647697.33 152.21
884 555124.75 647131.18 158.81	306 555299.62 647687.83 151.56	266 555168.98 647689.28 152.27
883 555125.94 647133.04 158.83	305 555298.49 647689.30 151.54	265 555168.74 647697.07 152.14
882 555127.20 647134.75 158.85	304 555298.46 647690.37 151.36	264 555163.56 647697.29 152.11
881 555128.29 647136.31 158.79	303 555298.22 647692.61 150.36	263 555163.01 647697.51 152.08
880 555128.86 647137.25 158.62	302 555297.95 647694.87 151.36	262 555162.46 647698.04 152.10
879 555129.03 647137.09 158.23	301 555297.94 647695.83 151.45	261 555155.10 647689.56 152.02
878 555128.66 647136.83 158.66	300 555297.72 647696.38 151.46	260 555150.30 647697.72 152.26
877 555129.35 647137.52 158.70	299 555287.14 647696.19 151.49	259 555149.81 647693.82 152.09
876 555133.51 647142.36 158.79	298 555281.47 647687.80 151.25	258 555145.90 647689.78 152.01
875 555133.79 647142.53 158.25	297 555281.57 647687.96 152.49	257 555146.06 647691.92 151.96
874 555133.05 647142.83 158.67	296 555270.08 647696.45 151.59	256 555145.72 647694.11 152.10
873 555133.86 647142.05 158.65	295 555263.37 647687.53 151.76	255 555145.80 647696.76 152.06
872 555136.10 647141.25 158.82	294 555260.17 647696.44 151.67	254 555145.91 647698.46 152.11
871 555134.70 647134.68 158.90	293 555253.15 647696.93 151.74	253 555140.20 647689.65 152.05

252 555128.79 647698.97 152.02	213 555023.15 647701.02 152.17	175 554994.08 647693.58 152.70
251 555133.90 647689.74 152.22	212 555022.81 647699.68 152.26	174 554993.70 647699.90 152.46
250 555124.63 647690.01 152.06	211 555022.74 647697.48 152.32	173 554993.78 647699.90 152.18
249 555113.86 647699.35 152.13	210 555022.52 647695.21 152.30	172 554993.10 647699.71 152.70
248 555113.20 647698.65 152.17	209 555022.55 647694.22 152.33	171 554994.51 647699.69 152.64
247 555110.06 647690.67 152.16	208 555022.66 647693.57 151.83	170 554996.10 647699.52 152.66
246 555109.94 647690.38 152.18	207 555022.72 647692.98 151.96	169 554995.87 647693.61 152.57
245 555097.93 647692.70 152.19	206 555022.94 647692.07 151.94	168 554997.04 647691.75 152.37
244 555097.98 647695.22 152.15	205 555001.09 647692.70 152.32	167 554995.89 647692.69 152.45
243 555098.13 647697.84 152.07	204 555001.45 647693.55 152.06	166 554995.14 647690.18 152.59
242 555102.18 647694.91 152.18	203 555001.06 647694.23 152.28	165 554992.58 647686.27 152.76
241 555098.15 647699.84 152.00	202 555004.64 647695.17 152.41	164 554992.27 647681.42 152.77
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239 555082.26 647700.20 152.09	200 555004.36 647699.83 152.23	162 554725.50 647646.80 153.44
238 555079.84 647691.57 152.12	199 555004.50 647700.98 152.22	161 554723.37 647648.86 153.47
237 555079.72 647691.15 152.09	198 554995.72 647700.80 152.51	160 554724.57 647659.69 153.56
236 555073.28 647699.64 152.14	197 554996.87 647700.99 152.48	159 554723.18 647659.71 153.53
235 555064.94 647691.96 152.27	196 554997.54 647700.84 152.61	158 554719.51 647659.49 153.59
234 555056.48 647693.29 152.04	195 554997.65 647702.65 152.65	157 554717.37 647659.66 154.61
233 555057.10 647692.72 152.17	194 554997.91 647712.51 152.52	156 554718.48 647643.11 154.96
232 555056.98 647693.82 152.24	193 554996.28 647712.59 152.46	155 554720.69 647643.44 153.60
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230 555055.17 647696.49 152.43	191 554994.27 647712.90 152.13	153 554717.92 647627.71 154.87
229 555053.96 647710.94 152.18	190 554993.59 647713.05 152.52	152 554720.56 647627.47 153.67
228 555055.63 647710.71 152.09	189 554992.40 647713.13 152.53	151 554724.85 647627.55 153.45
227 555058.44 647710.68 152.12	188 554989.67 647713.32 152.52	150 554723.83 647627.85 153.63
226 555059.29 647710.55 152.00	187 554986.59 647713.03 152.58	149 554723.95 647638.76 153.52
225 555058.49 647700.98 152.27	186 554985.76 647697.12 152.66	148 554725.02 647640.34 153.46
224 555058.93 647699.74 152.21	185 554986.70 647696.69 152.70	147 554724.53 647638.99 153.53
223 555058.97 647700.76 152.20	184 554989.00 647696.94 152.73	146 554728.06 647639.29 153.65
222 555053.54 647700.82 152.40	183 554992.46 647699.48 152.64	145 554733.24 647640.65 153.41
221 555054.65 647701.40 152.22	182 554991.86 647699.74 152.66	144 554734.98 647640.75 153.41
220 555058.14 647699.09 152.35	181 554991.82 647696.82 152.68	143 554736.34 647639.90 153.42
218 555052.69 647699.16 152.28	180 554991.72 647693.47 152.71	142 554735.14 647640.11 153.47
217 555041.52 647700.97 152.16	179 554993.68 647692.11 152.49	141 554740.58 647640.37 153.41
216 555040.46 647702.34 152.19	178 554993.38 647693.38 152.59	140 554741.04 647639.81 153.40
215 555034.41 647700.35 152.32	177 554993.38 647693.40 152.21	139 554741.80 647641.28 153.43
214 555034.26 647700.86 152.33	176 554992.96 647693.57 152.71	138 554741.87 647643.92 153.41

137 554741.97 647646.74 153.34	95 554839.49 647652.19 152.92	57 554936.06 647650.56 152.94
136 554741.95 647648.88 153.39	94 554839.57 647649.25 152.98	56 554936.09 647649.08 152.89
135 554742.04 647648.50 153.35	93 554839.15 647649.31 152.96	55 554953.11 647650.13 152.90
134 554743.99 647648.39 153.46	92 554839.08 647646.43 153.00	54 554962.35 647651.44 152.62
133 554745.98 647644.69 153.38	91 554838.99 647644.91 153.03	53 554959.54 647659.71 152.43
132 554758.49 647649.83 153.24	90 554845.11 647645.34 152.91	52 554968.67 647660.40 152.45
131 554754.17 647640.71 153.49	89 554846.89 647653.38 152.87	51 554978.55 647661.03 152.90
130 554757.82 647640.77 153.44	88 554854.89 647645.66 152.94	50 554978.72 647661.98 152.44
129 554758.24 647640.69 153.40	87 554859.82 647652.49 152.91	49 554976.57 647661.88 152.68
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124 554775.04 647643.45 153.32	84 554862.89 647646.32 153.09	46 554973.07 647658.67 152.74
123 554775.12 647645.64 153.30	83 554877.39 647653.69 152.91	45 554973.00 647656.65 152.77
122 554774.93 647648.32 153.17	82 554873.05 647653.51 152.86	44 554972.93 647654.37 152.85
121 554774.95 647650.64 153.17	81 554872.12 647654.73 152.88	43 554973.10 647652.50 152.73
120 554789.60 647642.49 153.18	80 554871.74 647653.27 152.90	42 554977.57 647653.21 152.81
119 554790.48 647642.01 153.27	79 554871.57 647650.50 152.93	41 554978.28 647652.85 152.75
118 554790.66 647643.08 153.16	78 554871.45 647647.56 152.91	40 554979.35 647649.21 152.68
117 554794.56 647643.27 153.21	77 554871.37 647646.12 152.86	39 554979.11 647648.67 152.79
116 554793.06 647647.19 153.17	76 554884.20 647650.83 152.92	38 554977.83 647643.01 152.71
115 554791.34 647651.52 153.14	75 554887.38 647646.70 152.95	37 554980.94 647642.75 153.09
114 554792.47 647650.77 153.17	74 554888.46 647655.42 152.81	36 554981.57 647642.76 152.61
113 554796.91 647650.86 153.13	73 554889.37 647654.92 152.78	35 554982.15 647642.66 153.10
112 554806.62 647643.00 153.16	72 554905.36 647656.40 152.68	34 554983.34 647642.53 153.16
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108 554806.83 647647.49 153.16	70 554904.78 647652.01 152.75	32 554989.18 647642.01 153.16
107 554807.07 647650.40 153.16	69 554904.71 647649.38 152.77	31 554981.96 647653.34 152.88
106 554807.18 647652.12 153.15	68 554904.67 647647.39 152.76	30 554982.02 647653.26 152.53
105 554807.18 647651.18 153.11	67 554903.57 647647.82 152.76	29 554982.57 647653.50 152.99
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99 554823.38 647644.33 153.07	61 554933.67 647657.99 152.62	23 554982.27 647659.56 152.51
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97 554823.29 647652.92 152.94	59 554936.09 647656.56 152.61	21 554982.93 647659.47 152.97
96 554839.55 647653.62 152.96	58 554936.01 647653.34 153.05	20 554984.06 647659.21 152.98

19 554984.30 647656.79 153.00	225 552742.78 648988.52 136.26	186 552816.89 648955.92 136.72
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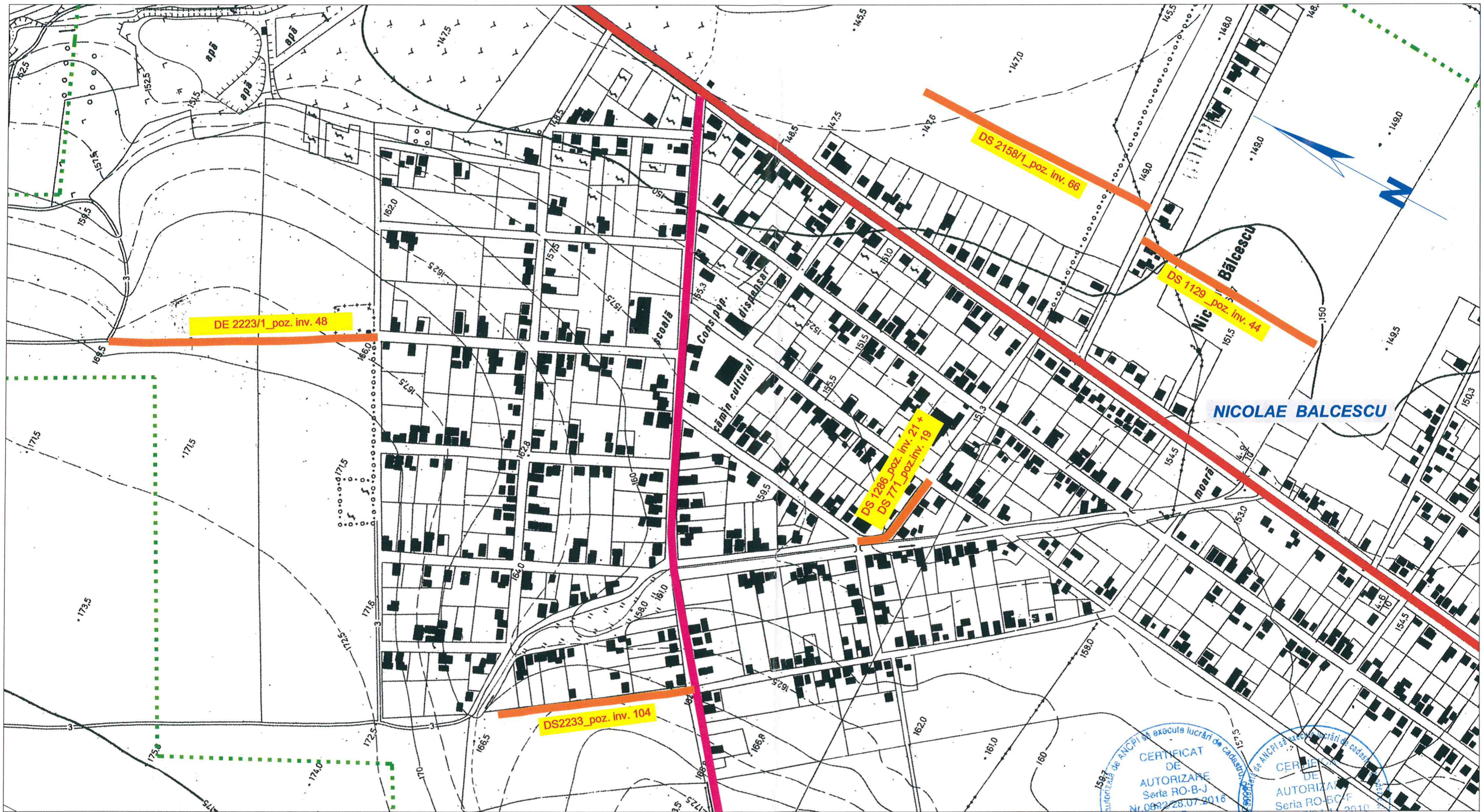
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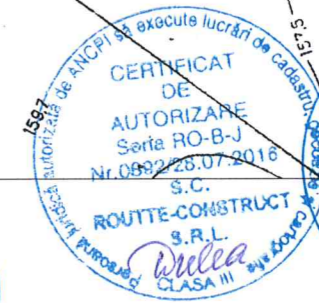
S.C. ROUTTE CONSTRUCT S.R.L.





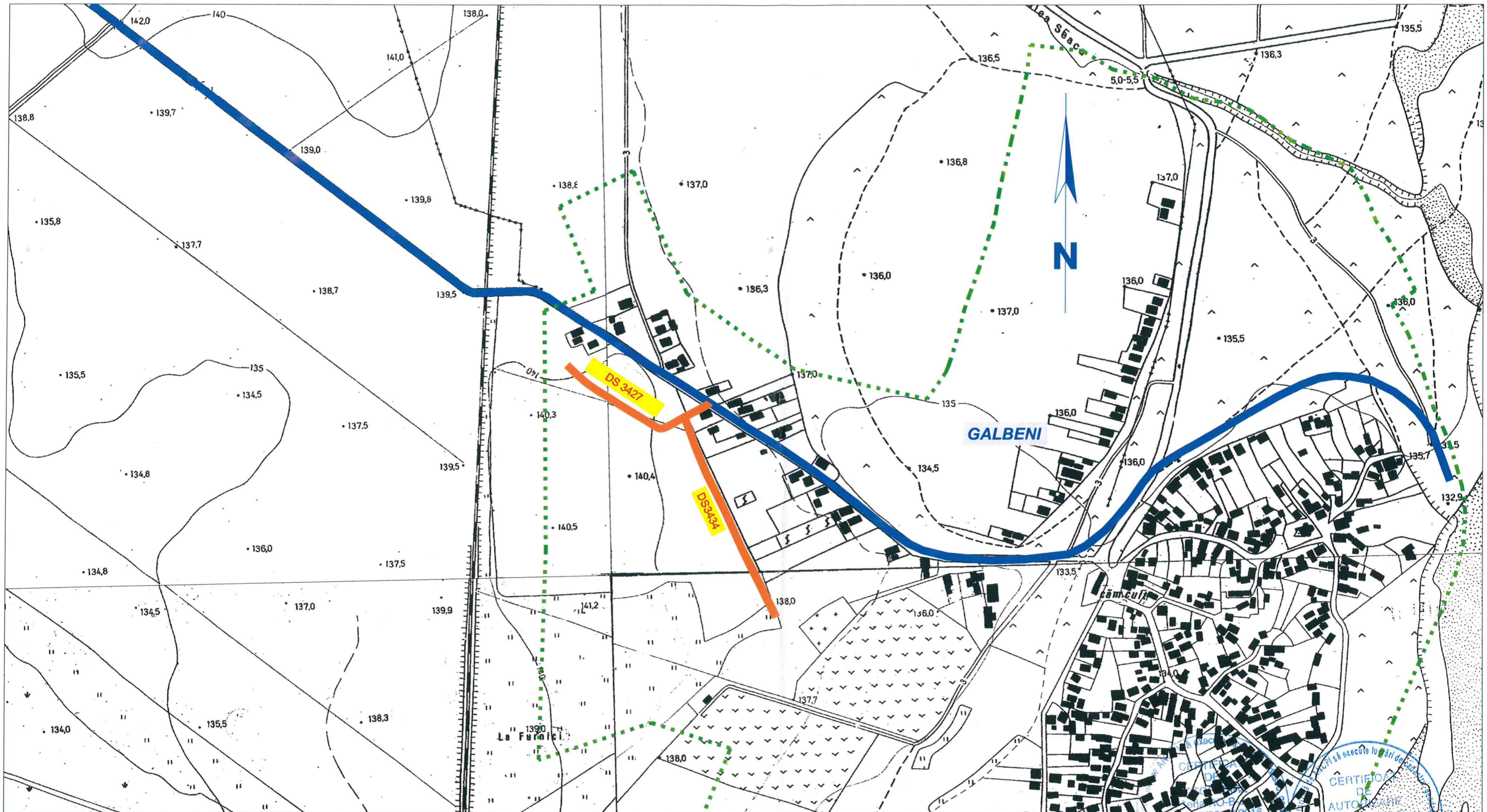
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- Drum national D.N. 2
- Drum comunal D.C. 169
- - - - Limita PUG

Nomenclatura: L - 35 - 54 - D - b - 1 - II; L - 35 - 54 - D - b - 1 - IV



	<b>S.C. "ROUTE CONSTRUCT" S.R.L.</b> BACAU F - 8.5. - 03		Proiect: <b>MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .</b> Beneficiar: <b>COMUNA NICOLAE BALCESCU</b>	PROIECT NR: <b>500/2018</b>
	MASURAT DESENAT VERIFICAT SEF PROIECT	NUMELE Teh. CHIFANI DUMITRU Teh. CHIFANI DUMITRU Ing. DRELEA NINA Ing. DRELEA NINA	SEMNATURA  	SCARA: <b>1 : 5000</b> DATA: <b>2018</b>

TITLUL PLANSEI:  
**PLAN DE INCADRARE IN ZONA**  
**Sat NICOLAE BALCESCU**



- Amplasament studiat
- Drum judetean D.J. 252D
- ⋯ Limita PUG

Nomenclatura: L - 35 - 54 - D - b - 1 - IV; L - 35 - 54 - D - b - 2 - III;  
L - 35 - 54 - D - b - 4 - I



S.C. "ROUTE CONSTRUCT" S.R.L.  
BACAU  
F - 8.5. - 03

	NUMELE	SEMNTURA
MASURAT	Teh. CHIFANI DUMITRU	<i>[Signature]</i>
DESENAT	Teh. CHIFANI DUMITRU	<i>[Signature]</i>
VERIFICAT	Ing. DRELEA NINA	<i>[Signature]</i>
SEF PROIECT	Ing. DRELEA NINA	<i>[Signature]</i>



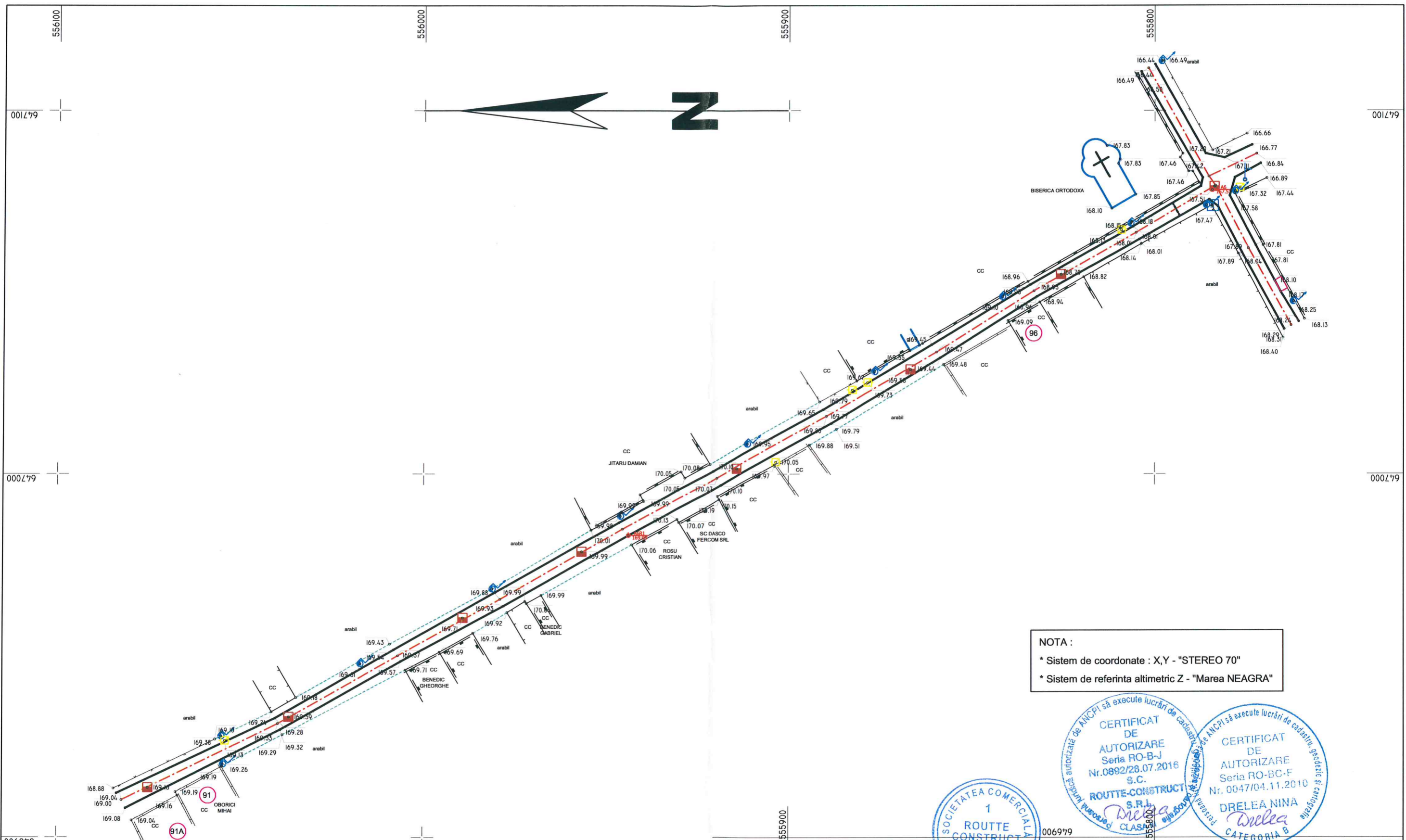
Proiect: MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .  
Beneficiar: COMUNA NICOLAE BALCESCU

SCARA: 1 : 5000  
DATA: 2018

TITLUL PLANSEI:  
**PLAN DE INCADRARE IN ZONA**  
*Sat GALBENI*

PROIECT NR: 500/2018  
FAZA: Studiu Topo  
PLANSA: 02





NOTA :  
 \* Sistem de coordonate : X,Y - "STEREO 70"  
 \* Sistem de referinta altimetric Z - "Marea NEAGRA"

CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr.0892/28.07.2016 S.C. ROUTTE-CONSTRUCT S.R.L. CLASIFICATIA 1

CERTIFICAT DE AUTORIZARE Seria RO-BC-F Nr. 0047/04.11.2010 DRELEA NINA CATEGORIA B

SOCIETATEA COMERCIALA 1 ROUTTE-CONSTRUCT S.R.L. BACAU - ROMANIA

	<b>S.C. "ROUTE-CONSTRUCT" S.R.L.</b> <b>BACAU</b> <b>F - 8.5. - 03</b>		Proiect: <b>MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .</b> Beneficiar: <b>COMUNA NICOLAE BALCESCU</b>		PROIECT NR: <b>500/2018</b>
	MASURAT	Teh. CHIFANI DUMITRU	SEMNATURA	SCARA: <b>1 : 1000</b> DATA: <b>2018</b> TITLUL PLANSEI: <b>PLAN TOPOGRAFIC</b> <b>Sat NICOLAE BALCESCU</b> <b>DE 2223/1_poz. inv. 48</b>	FAZA: <b>Studiu Topo</b>
DESENAT	Teh. CHIFANI DUMITRU		PLANSA: <b>A1</b>		
VERIFICAT	Ing. DRELEA NINA				
SEF PROIECT	Ing. DRELEA NINA				

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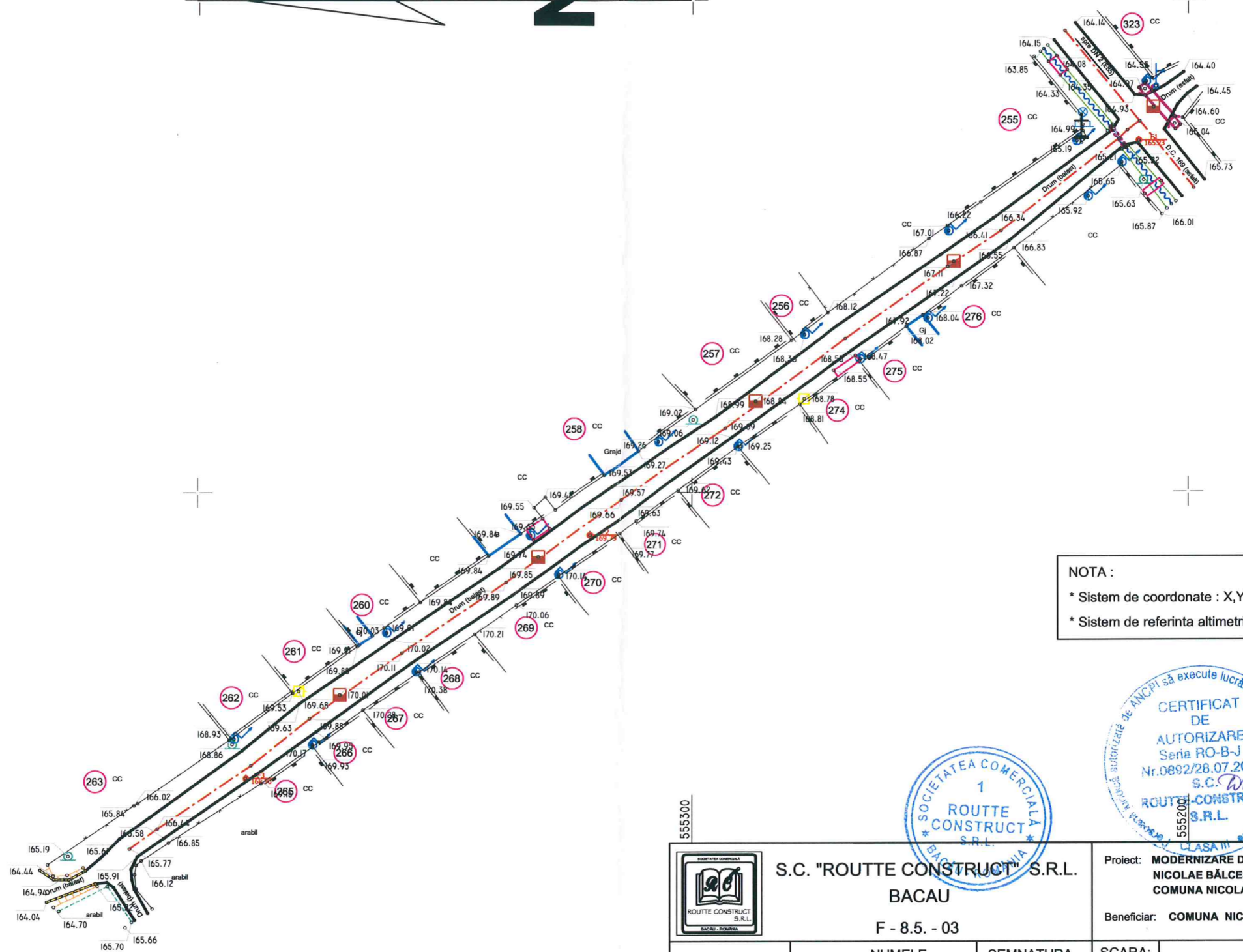
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NOTA :

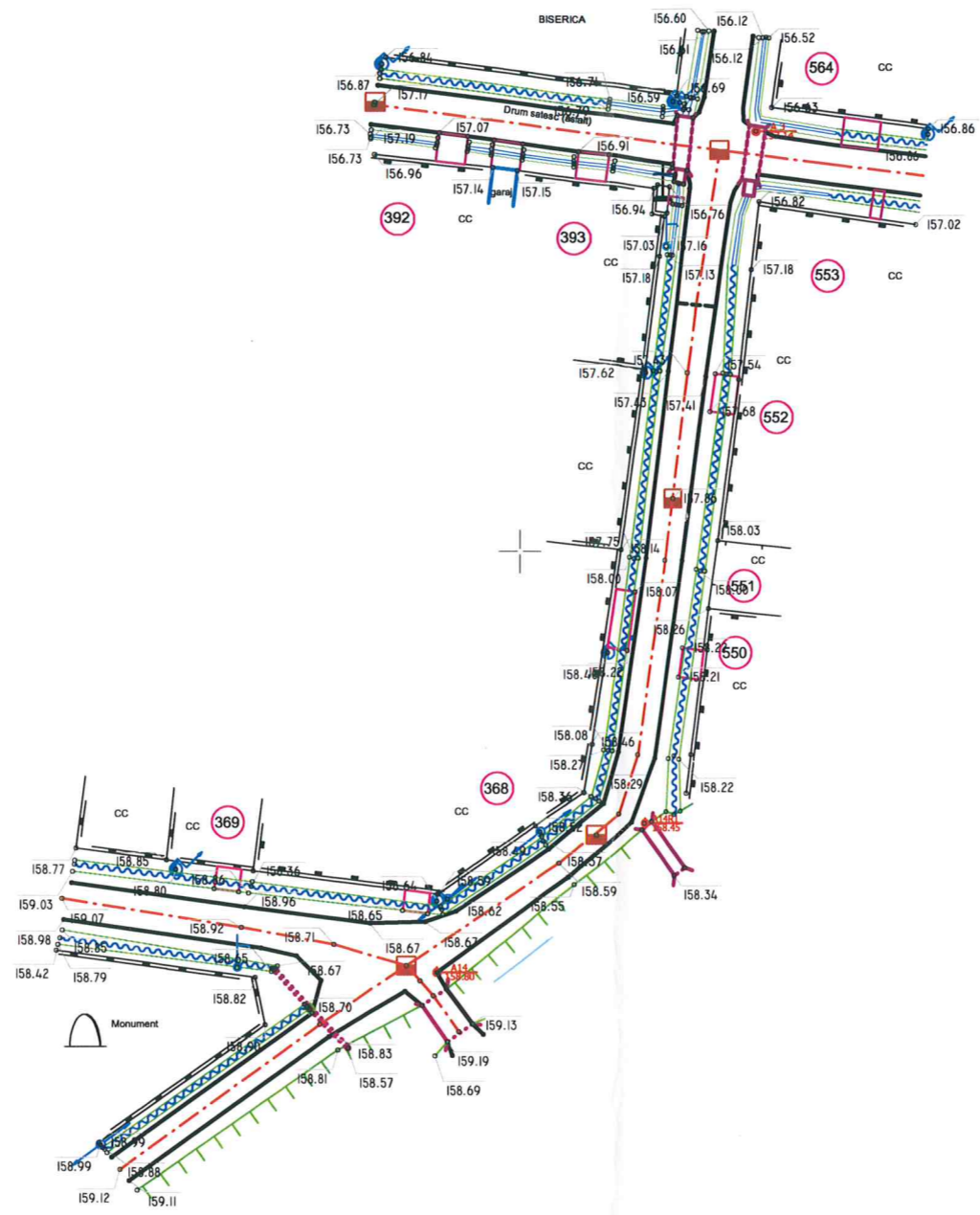
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- \* Sistem de referinta altimetric Z - "Marea NEAGRA"



	<b>S.C. "ROUTE CONSTRUCT" S.R.L.</b>		Proiect: <b>MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .</b>	PROIECT NR: <b>500/2018</b>
	<b>BACAU</b>			
	<b>F - 8.5. - 03</b>		SCARA: <b>1 : 1000</b>	FAZA: <b>Studiu Topo</b>
MASURAT	Teh. CHIFANI DUMITRU			
DESENAT	Teh. CHIFANI DUMITRU			
VERIFICAT	Ing. DRELEA NINA			
SEF PROIECT	Ing. DRELEA NINA		DATA: <b>2018</b>	PLANSA: <b>B1</b>
			TITLUL PLANSEI: <b>PLAN TOPOGRAFIC Sat NICOLAE BALCESCU DS 2233_poz. inv. 104</b>	

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NOTA :  
 \* Sistem de coordonate : X,Y - "STEREO 70"  
 \* Sistem de referinta altimetric Z - "Marea NEAGRA"

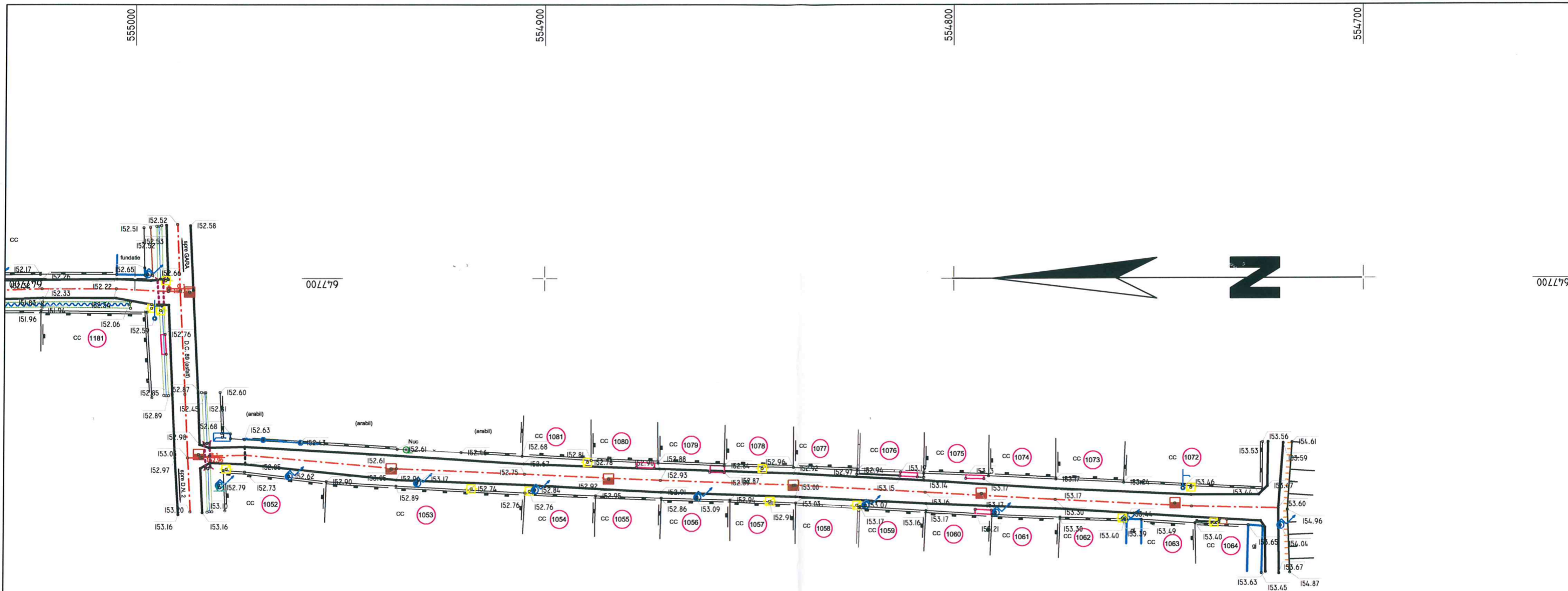


S.C. "ROUTE CONSTRUCT" S.R.L.  
 BACĂU  
 F - 8.5. - 03

Proiect: MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BĂLCESCU SI GALBENI, COMUNA NICOLAE BĂLCESCU, JUDEȚUL BĂCĂU .  
 Beneficiar: COMUNA NICOLAE BĂLCESCU

PROIECT NR:  
**500/2018**

	NUMELE	SEMNATURA	SCARA:	TITLUL PLANSEI: <b>PLAN TOPOGRAFIC</b> Sat <b>NICOLAE BĂLCESCU</b> DS 1286_poz. inv. 21 + DS771_poz. inv. 19	FAZA:
MASURAT	Teh. CHIFANI DUMITRU	<i>[Signature]</i>	<b>1 : 1000</b>		Studiu Topo
DESENAT	Teh. CHIFANI DUMITRU	<i>[Signature]</i>	DATA:	PLANSA: <b>C1</b>	
VERIFICAT	Ing. DRELEA NINA	<i>[Signature]</i>	<b>2018</b>		
SEF PROIECT	Ing. DRELEA NINA	<i>[Signature]</i>			

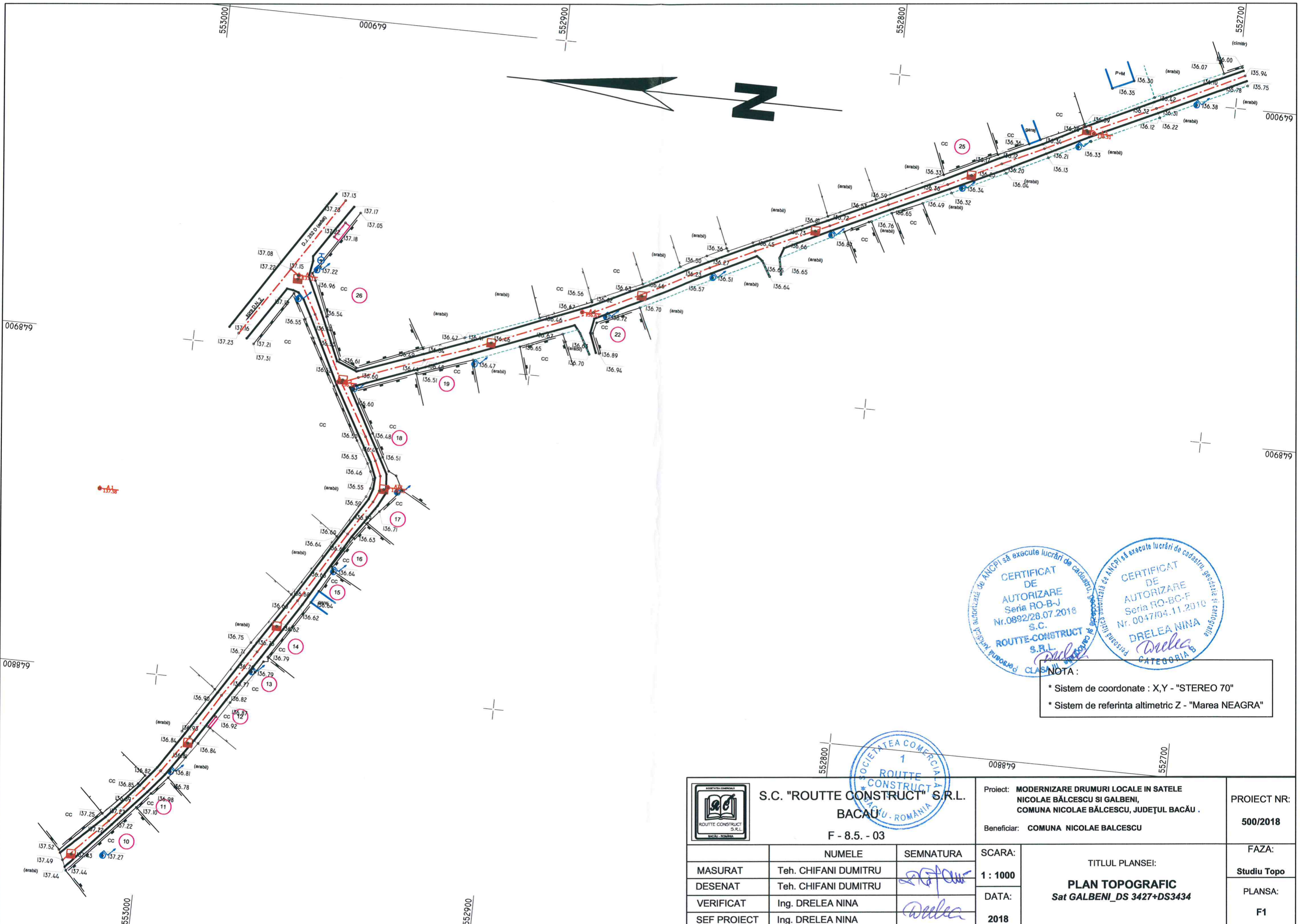


NOTA :  
 \* Sistem de coordonate : X,Y - "STEREO 70"  
 \* Sistem de referinta altimetric Z - "Marea NEAGRA"



	<b>S.C. "ROUTE CONSTRUCT" S.R.L.</b> <b>BACAU</b> <b>F - 8.5. - 03</b>		Proiect: <b>MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .</b> Beneficiar: <b>COMUNA NICOLAE BALCESCU</b>	PROIECT NR: <b>500/2018</b>
	MASURAT DESENAT VERIFICAT SEF PROIECT	Teh. CHIFANI DUMITRU Teh. CHIFANI DUMITRU Ing. DRELEA NINA Ing. DRELEA NINA	SEMNATURA  	SCARA: <b>1 : 1000</b> DATA: <b>2018</b>
TITLUL PLANSEI: <b>PLAN TOPOGRAFIC</b> <b>Sat NICOLAE BALCESCU</b> <b>DS 1129_poz. inv. 44</b>				





CERTIFICAT DE AUTORIZARE Seria RO-B-J Nr. 0892/28.07.2018 S.C. ROUTE-CONSTRUCT S.R.L.

CERTIFICAT DE AUTORIZARE Seria RO-BC-F Nr. 0047/04.11.2010 DRELEA NINA CATEGORIA B

NOTA :  
 \* Sistem de coordonate : X,Y - "STEREO 70"  
 \* Sistem de referinta altimetric Z - "Marea NEAGRA"

		<b>S.C. "ROUTE-CONSTRUCT" S.R.L.</b> BACAU F - 8.5. - 03		Proiect: <b>MODERNIZARE DRUMURI LOCALE IN SATELE NICOLAE BALCESCU SI GALBENI, COMUNA NICOLAE BALCESCU, JUDEȚUL BACĂU .</b> Beneficiar: <b>COMUNA NICOLAE BALCESCU</b>		PROIECT NR: <b>500/2018</b>		
MASURAT	Teh. CHIFANI DUMITRU	SEMNATURA		SCARA: <b>1 : 1000</b>	TITLUL PLANSEI: <b>PLAN TOPOGRAFIC</b> <b>Sat GALBENI_DS 3427+DS3434</b>			FAZA: <b>Studiu Topo</b>
DESENAT	Teh. CHIFANI DUMITRU	VERIFICAT	Ing. DRELEA NINA					PLANSA: <b>F1</b>
SEF PROIECT	Ing. DRELEA NINA			DATA: <b>2018</b>				