

ОБЕКТ: „РЕХАБИЛИТАЦИЯ НА ВОДОПРОВОДИ В НАСЕЛЕНИ МЕСТА ОТ ОБЩИНА ТЕРВЕЛ“

ПОДОБЕКТ: "РЕХАБИЛИТАЦИЯ НА ЧАСТ ОТ ВЪТРЕШНА ВОДОПРОВОДНА МРЕЖА В С.ЗЪРНЕВО, ОБЩИНА ТЕРВЕЛ" - УЛ."ВТОРА" И УЛ."ТРЕТА"

ВЪЗЛОЖИТЕЛ: ОБЩИНА ТЕРВЕЛ

ИЗПЪЛНИТЕЛ: „ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ“ ЕООД

ФАЗА: ТЕХНИЧЕСКИ ПРОЕКТ

ЧАСТ: ГЕОДЕЗИЧЕСКА КЪМ ЧАСТ ПЪТНА

ТОМ II



Водещ проектант:
/инж. Вихрен Коянков/

Управител:
/инж. Диян Златев/
Възложител:

2016г.

гр.Шумен

О П И С

- 1.Обяснителна записка*
- 2. Резултати от изравнението на подробните точки с TPLAN*
- 3.Реперни карнети*
- 4.Координатен регистър на РГО*
- 5.Ръчни скици*
- 6. Геодезическа снимка*
- 7.Координатен регистър на чупките на трасето.*
- 8.Работен проект*
- 9.Координатен регистър на точките по оста на обекта.*
- 10. Файлове с цифровия модел на обекта-*.CAD, *.DWG, *.KOR , *.DPI файлове.*



УДОСТОВЕРЕНИЕ

ЗА ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ

Регистрационен номер № 07802

Важи за 2016 година

ИНЖ. ДИЯН СЪБЕВ ЗЛАТЕВ

ОБРАЗОВАТЕЛНО-КВАЛИФИКАЦИОННА СТЕПЕН

МАГИСТЪР

ПРОФЕСИОНАЛНА КВАЛИФИКАЦИЯ

ИНЖЕНЕР ПО ГЕОДЕЗИЯ, ФОТОГРАМЕТРИЯ И КАРТОГРАФИЯ

включен в регистъра на КИИП за лицата с пълна проектантска правоспособност
с протоколно решение на УС на КИИП 15/01.04.2005 г. по части:

ГЕОДЕЗИЯ, ПРИЛОЖНА ГЕОДЕЗИЯ, ВЕРТИКАЛНО ПЛАНИРАНЕ, ТРАСИРОВЪЧНИ
ПРОЕКТИ И ПЛАНОВЕ, ПЛАНОВЕ ЗА РЕГУЛАЦИЯ

Зам. Председател на РК

инж. Кр. Димова



Председател на КР

инж. И. Каралеев

Председател на УС на КИИП

инж. Ст. Кинарев

АГЕНЦИЯ ПО КАДАСТЪРА

София 1618

ул. "Мусала" № 1

тел : 02/955 60 69

ЗАПОВЕД

№ 068

СОФИЯ 13.04 2001г.

На основание чл.18, ал.2 от ЗКИР, чл.12, ал.1 от Наредба № 3 от 16.02.2001г. за водене и съхраняване на регистъра на лицата, правоспособни да извършват дейности по кадастъра, издадена от Министъра на регионалното развитие и благоустройство и подадена молба по чл.10, ал.1 от Наредба № 3 до изпълнителния директор на Агенцията по кадастъра с вх.№ 46 от 23.03.2001 г.

НАРЕЖДАМ:

Да бъде вписан в регистъра на лицата, правоспособни да извършват дейности по кадастъра:

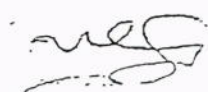
внж. **ДИЯН СЪБЕВ ЗЛАТЕВ**

ЕГН 6604268782

Гр. Шумен, ул. "Август Попов", № 16

Копие от настоящата заповед да се връчи на лицето, подлежащо на вписване.

ИЗПЪЛНИТЕЛЕН ДИРЕКТОР


ИВАН СИМЕОНОВ



ПРОФЕСИОНАЛНА ОТГОВОРНОСТ В ПРОЕКТИРАНЕТО И СТРОИТЕЛСТВОТО
Дата на сключване: 09.02.2016 г.

Застрахован: "Инвестиционно проектиране" ЕООД, ЕИК/БУЛСТАТ/ЕГН: 201496727
Адрес на управление: гр. Шумен, ул. "Любен Каравелов" 31
Телефон: 054/800 477, e-mail: zlatevd@abv.bg
Представител: Деян Събев Златев - управител

Застраховач: Деян Събев Златев, ЕИК/БУЛСТАТ/ЕГН: 6604268732
Телефон: 054/800 477, e-mail: zlatevd@abv.bg
Представител:

Застраховател: "Дженерали Застраховане" АД, ЕИК 030269049,
Адрес: гр. София 1504, бул. "Дондуков" № 68, тел.: 02 / 9267 111, факс: 02 / 9267 112,
e-mail: information.bg@generali.com, website: www.generali.bg
Представителство на застрахователя: Генерална агенция Шумен,
Адрес: ул. "Добри Войников" 14, тел: 054 / 800 812, 800 813,
Представител: Юлиана Николова Ефремова
Брокер/агент: "Юлиана Ефремова" ЕООД, ЕИК/БУЛСТАТ/ЕГН: 200893945

Застрахована дейност: ☒ проектант – за изработване на инвестиционни проекти /
☐ консултант за извършване на оценка за съответствие на инвестиционния проект със съществените изисквания към строежите /
☐ консултант за упражняване на строителен надзор /
☐ строител – за цялостно изпълнение на строителството или на отделни видове строителни и монтажни работи /
☐ лице, упражняващо строителен надзор – за строежи от пета категория, в случаите, когато по желание на възложителя се изпълнява надзор /
☐ лице, упражняващо технически контрол по част "Конструктивна" на инвестиционния проект, за които не е извършена оценка за съответствието от консултант

Конкретен обект по
чл. 173 от ЗУТ:

Срок на застраховката: От 00:00 часа на 24.02.2016 г.
До 24:00 часа на 23.02.2017 г.

Лимит на отговорност: Лимит на отговорност за едно събитие: 150 000 BGN
Общ лимит на отговорност за всички събития: 300 000 BGN

Самоучастие: 10% от всяка щета, но не по-малко от 2000лв.

Специални
договорености:

Териториален
обхват: Република България

Приложимо
законодателство: Българското законодателство

Застрахователна сума: 500 00 BGN (пет стотин хиляди лева)

премия: Данък 2% от общата сума: 10 00 BGN

Общо дължима сума: 100 00 BGN (сто хиляди лева)

При разсрочено плащане (дата на влизане и излизане)

№	Дата на вноските	Размер на вноската	Данък 2%	Общо дължима сума
1	09.02.2015 г.	150 00 BGN	3 00 BGN	153 00 BGN
2	23.08.2016 г.	150 00 BGN	3 00 BGN	153 00 BGN
3	20 г.	BGN	BGN	BGN
4	20 г.	BGN	BGN	BGN

Съгласно чл. 202, ал. 1 и ал. 2 от Кодекса за застраховането при неплащане на която и да е разсрочена вноска, полицата ще бъде прекратена, считано от 00:00 часа на 16-ия ден след датата на падежа

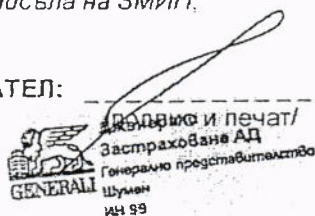
С подписа си върху тази полица Застрахованият:

1. Декларира, че му е предоставена информацията, предназначена за потребителя на застрахователната услуга, предписана от Кодекса за застраховането.
2. Декларира, че при промяна на декларираните при сключването на полицата обстоятелства и данни, е длъжен незабавно да уведоми за това "Дженерали Застраховане" АД.
3. Декларира, че е получил, запознат е и е съгласен с Общите условия по застраховката.
4. Дава съгласието си "Дженерали Застраховане" АД да обработва личните данни, както и данните на лицата, обявени в полицата, за нуждите и целите на тази застраховка и свързаните с нея дейности, съгласно Закона за защита на личните данни.

Настоящата полица се издава в два еднакви екземпляра - по един за Застрахования и един за Застрахователя.

Проверил идентификацията на клиента по смисъла на ЗМИП.

ЗАСТРАХОВАТЕЛ:



ЗАСТРАХОВАН / ЗАСТРАХОВАЩ:

(име на лицето, подпис)

ТЕХНИЧЕСКИ ОТЧЕТ

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

ВЪЗЛОЖИТЕЛ: Община Тервел

ЧАСТ: ГЕОДЕЗИЯ

ФАЗА: ТЕХНИЧЕСКИ ПРОЕКТ



I. Обща част

Обектите са разположени на територията на с.Зърнево ул."Втора" и ул.Трета са от уличната мрежа на общ.Тервел.

Проекта предвижда ремонтни дейности по улица V клас от уличната мрежа на с. Зърнево, която има обслужваща функция-осигурява достъп до имотите по нея. Основна цел на проекта е да възстанови и изгради уличната настилка, както и повърхностното отводняване.

II. Координатна и височинна система

Геодезическата снимка е изработена в координатна система 1970г. и височина система Балтийска.

III. Методи за измерване обработка и общи сведения за обекта

Разглежданите обекти се явяват улици от V клас от улична мрежа с локално движение

За работна геодезическа основа са ползвани предварително измерени и трайно стабилизирани точки с GPS "ТОРКОН" в реално време. За ул."Втора" са използвани точки с номера 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 и 11. За ул."Трета" са използвани точки с номера 12, 13, 14, 15, 16, 17 и 18.

Геодезическата снимка на обектите е извършена с тотална станция „SOKKIA-SET310" от инж. М. Маринов. Изравнението на подробните точки се обработи с програма TPLAN. Геодезическото заснемане е извършено по полярен метод като са спазени всички изисквания на нормативната база.

На улица "Втора" в с.Зърнево е направена подробна геодезическа снимка, за която цел са измерени 1150 бр. подробни точки. На улица "Трета" в с.Зърнево е направена подробна геодезическа снимка, за която цел са измерени 548 бр. подробни точки.

На база заданието за проектиране бяха извършени следните заснемания на съществуващото трасе.

- Замерване по оста на улицата през 10 м, като се разполюва съществуващото трасе в права и в крива.

- Измерване ширината на настилка в ляво и дясно. Измерената ширина е до видимата част на пътната настилка или до граница регулация.

- Заснемане на всички ситуационни подробности в обхвата на улицата (пътно платно, местоположение и състояние на застроителната линия, принадлежности на пътя, пътни кръстовища, зауствания, площадки и др.)

Изработването и графичното оформление на геодезическите снимки се извърши с програма „GIS Explorer“, като са спазени всички изисквания на съществуващата нормативна база за такъв вид геодезически работи.

 Секция: ГПГ Части на проекта: по удостоверение за ГПГ	КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
	ПЪТНА ПРОЕКТАНТОКА ЛИЧЕНОСПОСОБНОСТ
	Изготвил: инж. Д. Златев
	Регистрационен № 07802 Подпис: Важно: с валидно удостоверение за ГПГ за текущата година

"ТЕСД" ЕООД - гр. Добрич	
СТРОИТЕЛЕН НАДЗОР	
Удостоверение РК-0166/28.04.2014	
Съгласувано	
инж.	М. Продромов
подпис:	



Г Е О Д Е З И Ч Е С К А С Н И М К А

(ПРОГРАМА "OGSN", ВИАС, СОФИЯ - 1990.)

ИЗЧИСЛЯВАНЕ КООРДИНАТИТЕ НА ПОДРОБНИТЕ ТОЧКИ

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа
в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

ВИСОЧИННА СИСТЕМА: -

КООРДИНАТНА СИСТЕМА : - 1970 г. , ЗОНА: 7

РЕДУКЦИОННИ ЧИСЛА: X0= 4700000. , Y0= 9500000.

ИЗПЪЛНИТЕЛ : ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ ЕООД

ВЪЗЛОЖИТЕЛ : ОБЩИНА ТЕРВЕЛ

СТАНЦИЯ пт12 - G (I= 1.670) EOT											
NT	X		Y		H		O		V		
пт13	31669.92		90167.35		276.75		41.16		0.00		
пт12	31683.65		89938.90		277.44		41.16				
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт13	1.31	62.66	100.29	228.87	228.87	31669.92	90167.35	276.74	0.00	0.00	0.01
1	1.31	187.11	101.43	13.00	12.99	31671.91	89933.32	277.51			
2	1.31	210.71	102.10	12.97	12.96	31674.75	89929.47	277.37			
3	1.31	226.49	101.86	13.77	13.77	31676.95	89926.88	277.40			
4	1.31	239.71	101.92	15.17	15.16	31679.16	89924.42	277.34			
5	1.31	227.98	105.36	4.54	4.52	31681.54	89934.91	277.42			
6	1.31	229.68	109.51	2.52	2.49	31682.55	89936.67	277.43			
7	1.31	205.65	114.80	1.63	1.58	31682.47	89937.84	277.43			
8	1.31	152.03	104.03	4.05	4.04	31679.63	89939.33	277.54			
9	1.31	92.32	101.26	5.06	5.06	31681.11	89943.27	277.70			
10	1.31	338.07	100.66	11.26	11.25	31694.31	89935.30	277.68			
11	1.31	341.01	101.76	10.42	10.42	31693.66	89936.02	277.51			
12	1.31	307.54	103.68	5.10	5.09	31687.17	89935.23	277.51			
13	1.31	345.37	108.74	2.59	2.57	31686.16	89938.36	277.45			
14	1.31	377.84	104.16	4.86	4.85	31688.28	89940.33	277.48			
15	1.31	386.28	100.30	35.19	35.19	31715.62	89953.60	277.63			
16	1.31	392.09	100.25	34.29	34.29	31713.37	89956.00	277.67			
17	1.31	398.51	100.37	33.90	33.90	31711.17	89958.68	277.60			
18	1.31	6.28	100.16	33.83	33.83	31708.51	89961.84	277.71			
19	1.31	397.99	100.48	28.90	28.90	31707.25	89955.57	277.58			
20	1.31	4.75	100.55	20.38	20.38	31698.95	89952.35	277.63			
21	1.31	8.11	100.65	18.95	18.95	31697.20	89952.14	277.61			
22	1.31	12.75	100.74	18.35	18.34	31695.80	89952.64	277.59			
23	1.31	9.37	100.47	19.77	19.77	31697.51	89952.99	277.65			
24	1.31	38.72	100.24	20.56	20.56	31690.04	89958.45	277.72			
25	1.31	37.93	100.42	19.04	19.04	31689.79	89956.91	277.68			
26	1.31	47.64	100.54	21.12	21.12	31687.34	89959.69	277.62			
27	1.31	50.39	100.28	22.71	22.71	31686.65	89961.41	277.70			
28	1.31	41.62	101.05	14.11	14.11	31687.42	89952.49	277.57			
29	1.31	53.59	100.79	13.06	13.06	31684.72	89951.91	277.64			
30	1.31	69.52	100.73	12.89	12.89	31681.50	89951.61	277.65			
31	1.31	66.28	99.80	27.25	27.25	31680.47	89965.97	277.89			
32	1.31	59.73	100.01	27.30	27.30	31683.27	89966.20	277.79			
33	1.31	52.64	100.01	27.64	27.64	31686.34	89966.41	277.80			
34	1.31	56.17	99.81	41.44	41.44	31685.39	89980.30	277.93			
35	1.31	60.26	99.81	41.03	41.03	31682.74	89979.92	277.92			
36	1.31	65.20	99.75	41.18	41.18	31679.54	89979.88	277.96			
37	1.31	64.87	99.64	52.91	52.91	31678.65	89991.57	278.10			
38	1.31	61.06	99.76	53.02	53.02	31681.80	89991.88	278.00			
39	1.31	57.73	99.71	53.21	53.20	31684.58	89992.09	278.05			
40	1.31	58.89	99.74	67.46	67.46	31683.60	90006.36	278.07			
41	1.31	61.77	99.75	67.25	67.25	31680.55	90006.08	278.06			
42	1.31	64.60	99.75	67.24	67.24	31677.58	90005.86	278.06			
43	1.31	66.68	99.69	78.95	78.95	31673.95	90017.25	278.19			
44	1.31	64.42	99.73	79.00	79.00	31676.73	90017.59	278.14			
45	1.31	62.22	99.77	78.99	78.99	31679.46	90017.77	278.09			
46	1.31	59.62	99.74	79.10	79.10	31682.68	90017.99	278.12			
47	1.31	57.54	99.74	79.75	79.75	31685.28	90018.63	278.12			
48	1.31	60.26	99.75	92.96	92.96	31681.58	90031.84	278.17			
49	1.31	62.33	99.78	92.99	92.99	31678.55	90031.75	278.13			
50	1.31	64.35	99.77	93.02	93.02	31675.62	90031.57	278.14			
51	1.31	64.29	99.80	104.91	104.91	31674.69	90043.43	278.13			
52	1.31	62.42	99.81	105.10	105.10	31677.74	90043.84	278.11			
53	1.31	60.68	99.77	105.30	105.30	31680.62	90044.15	278.19			
54	1.31	61.04	99.81	118.18	118.18	31679.57	90057.01	278.15			
55	1.31	62.56	99.83	118.03	118.03	31676.77	90056.73	278.12			
56	1.31	64.22	99.83	118.09	118.09	31673.68	90056.56	278.11			
57	1.31	64.14	99.91	131.40	131.40	31672.72	90069.85	277.99			
58	1.31	62.62	99.90	131.16	131.16	31675.88	90069.83	278.01			
59	1.31	61.22	99.89	130.95	130.95	31678.76	90069.75	278.03			
60	1.31	61.46	99.97	144.06	144.06	31677.72	90082.84	277.86			
61	1.31	62.84	99.99	144.12	144.12	31674.62	90082.73	277.83			
62	1.31	64.08	99.98	144.40	144.39	31671.78	90082.80	277.86			

СТАНЦИЯ пт13 - G (I= 1.700) ЕОТ											
NT	X		Y		H		O		V		
пт12	31683.65		89938.90		277.44		47.03		0.00		
пт14	31645.27		90402.85		273.34		47.03		0.00		
пт13	31669.92		90167.35		276.75		47.03				
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт12	1.31	256.79	99.92	228.87	228.87	31683.63	89938.90	277.44	0.01	0.00	0.01
пт14	1.31	59.61	101.02	236.83	236.80	31645.25	90402.86	273.34	0.01	-0.01	0.00
63	1.31	253.76	99.50	73.05	73.05	31670.82	90094.31	277.71			
64	1.31	256.34	99.54	72.90	72.90	31673.78	90094.56	277.67			
65	1.31	258.97	99.51	72.83	72.83	31676.78	90094.85	277.70			
66	1.31	259.19	99.64	60.03	60.03	31675.78	90107.61	277.48			
67	1.31	256.29	99.61	59.87	59.87	31673.04	90107.57	277.51			
68	1.31	252.88	99.58	59.83	59.83	31669.84	90107.53	277.53			
69	1.31	247.47	99.39	48.93	48.93	31665.70	90118.61	277.61			
70	1.31	251.32	99.78	46.88	46.88	31668.71	90120.49	277.30			
71	1.31	255.20	99.74	46.53	46.53	31671.55	90120.86	277.33			
72	1.31	259.46	99.59	46.60	46.60	31674.67	90121.00	277.44			
73	1.31	262.84	99.86	45.53	45.53	31676.95	90122.38	277.24			
74	1.31	259.92	99.98	33.44	33.44	31673.57	90134.12	277.15			
75	1.31	254.10	99.98	33.14	33.14	31670.51	90134.22	277.15			
76	1.31	248.39	99.95	33.07	33.07	31667.55	90134.37	277.17			
77	1.31	241.85	100.29	20.26	20.26	31666.40	90147.41	277.05			
78	1.31	249.93	100.35	19.50	19.50	31668.99	90147.88	277.03			
79	1.31	260.82	100.35	19.15	19.15	31672.28	90148.35	277.03			
80	1.31	263.38	102.09	8.03	8.03	31671.23	90159.43	276.87			
81	1.31	241.35	101.66	8.11	8.11	31668.45	90159.38	276.93			
82	1.31	219.99	101.48	9.17	9.17	31665.38	90159.39	276.93			
83	1.31	212.17	101.22	13.38	13.37	31661.93	90156.63	276.88			
84	1.31	104.27	103.19	8.44	8.43	31663.84	90173.19	276.72			
85	1.31	101.74	103.65	8.25	8.24	31664.21	90173.29	276.67			
86	1.31	78.76	105.39	6.66	6.64	31667.31	90173.45	276.58			
87	1.31	49.96	106.05	6.27	6.24	31670.22	90173.59	276.54			
88	1.31	55.51	102.41	18.63	18.61	31669.18	90185.95	276.43			
89	1.31	65.60	102.47	19.05	19.04	31666.17	90186.02	276.40			
90	1.31	74.96	102.19	19.86	19.85	31663.20	90186.03	276.45			
91	1.31	69.83	101.66	31.07	31.06	31661.79	90197.33	276.33			
92	1.31	68.96	101.88	30.99	30.98	31662.22	90197.36	276.22			
93	1.31	63.13	101.93	30.66	30.65	31665.05	90197.61	276.21			

94	1.31	56.51	101.93	30.31	30.29	31668.24	90197.59	276.22
95	1.31	53.22	101.45	41.50	41.49	31669.76	90208.84	276.19
96	1.31	57.07	101.65	41.32	41.30	31667.27	90208.57	276.07
97	1.31	61.16	101.68	41.48	41.46	31664.61	90208.47	276.04
98	1.31	66.12	101.70	41.76	41.75	31661.36	90208.21	276.02
99	1.31	70.52	101.42	41.65	41.64	31658.59	90207.41	276.21
100	1.31	64.34	101.37	56.98	56.96	31659.80	90223.41	275.91
101	1.31	63.79	101.45	57.79	57.78	31660.15	90224.30	275.83
102	1.31	63.34	101.42	62.46	62.44	31659.80	90228.97	275.75
103	1.31	67.16	101.49	57.23	57.21	31657.28	90223.15	275.80
104	1.31	66.20	101.41	64.61	64.60	31656.59	90230.56	275.71
105	1.31	60.77	101.53	56.96	56.95	31662.97	90223.87	275.77
106	1.31	57.38	101.51	56.65	56.63	31666.00	90223.84	275.79
107	1.31	57.58	101.34	72.91	72.89	31664.65	90240.05	275.60
108	1.31	60.18	101.34	72.90	72.89	31661.69	90239.77	275.60
109	1.31	62.83	101.40	73.29	73.27	31658.62	90239.75	275.53
110	1.31	62.58	101.23	86.65	86.63	31656.90	90253.00	275.46
111	1.31	62.15	101.28	86.87	86.86	31657.44	90253.30	275.39
112	1.31	59.74	101.26	86.75	86.74	31660.71	90253.60	275.42
113	1.31	57.70	101.30	86.48	86.46	31663.51	90253.58	275.38
114	1.31	57.70	101.20	101.49	101.47	31662.39	90268.55	275.23
115	1.31	59.59	101.16	101.61	101.60	31659.38	90268.40	275.28
116	1.31	61.58	101.22	101.74	101.72	31656.21	90268.14	275.19
117	1.31	61.59	101.17	113.49	113.47	31654.61	90279.78	275.05
118	1.31	61.24	101.22	113.58	113.56	31655.20	90279.96	274.97
119	1.31	59.52	101.17	113.43	113.41	31658.27	90280.16	275.05
120	1.31	57.81	101.18	113.34	113.32	31661.31	90280.34	275.03
121	1.31	56.41	101.08	124.38	124.36	31663.21	90291.53	275.02
122	1.31	57.87	101.16	125.68	125.65	31660.26	90292.63	274.84
123	1.31	59.34	101.16	126.12	126.10	31657.32	90292.82	274.84
124	1.31	60.95	101.19	126.33	126.30	31654.14	90292.66	274.78
125	1.31	62.44	101.14	126.95	126.93	31651.11	90292.88	274.87
126	1.31	61.02	101.17	138.51	138.49	31652.46	90304.73	274.60
127	1.31	60.73	101.17	138.55	138.53	31653.08	90304.85	274.59
128	1.31	59.28	101.16	138.59	138.56	31656.21	90305.23	274.62
129	1.31	57.89	101.17	138.28	138.25	31659.24	90305.20	274.60

СТАНЦИЯ пт14 - G (I= 1.701) ЕОТ

NT	X	Y	H	O	V
пт13	31669.92	90167.35	276.75	44.25	0.00
пт15	31619.57	90689.04	271.64	44.25	0.00
пт14	31645.27	90402.85	273.34	44.25	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт13	1.31	262.39	99.19	236.81	236.79	31669.91	90167.34	276.74			
пт15	1.31	61.46	100.46	287.34	287.33	31619.55	90689.03	271.64	0.02	0.01	0.00
130	0.06	265.33	100.37	85.72	85.72	31658.12	90318.10	274.48			
131	1.31	263.13	99.49	85.42	85.42	31655.15	90318.02	274.41			
132	1.31	260.81	99.47	85.24	85.23	31652.04	90317.89	274.44			
133	1.31	260.15	99.49	73.00	73.00	31650.31	90330.03	274.31			
134	1.31	260.70	99.56	72.99	72.99	31650.94	90330.09	274.23			
135	1.31	263.25	99.59	72.84	72.84	31653.83	90330.52	274.20			
136	0.20	266.02	100.52	73.02	73.02	31657.00	90330.79	274.24			
137	1.31	269.34	99.71	61.10	61.10	31658.21	90343.14	274.01			
138	1.31	267.05	99.75	60.68	60.68	31655.98	90343.13	273.97			
139	1.31	264.00	99.73	60.40	60.40	31653.07	90342.96	273.99			
140	1.31	260.64	99.73	60.43	60.43	31649.90	90342.61	273.99			
141	1.31	256.85	99.74	59.40	59.40	31646.30	90343.46	273.97			
142	1.31	259.79	99.67	48.58	48.58	31648.35	90354.37	273.98			
143	1.31	260.43	99.75	48.54	48.54	31648.83	90354.45	273.92			
144	1.31	264.41	99.82	48.96	48.96	31651.91	90354.35	273.87			
145	1.31	268.47	99.88	49.14	49.14	31655.02	90354.69	273.82			
146	1.31	271.24	99.99	36.28	36.28	31654.01	90367.65	273.73			
147	1.31	266.11	100.06	35.66	35.66	31651.04	90367.66	273.69			
148	1.31	260.15	100.03	35.37	35.37	31647.71	90367.56	273.71			
149	1.31	258.13	100.14	23.42	23.42	31646.14	90379.45	273.68			
150	1.31	259.59	100.35	23.43	23.43	31646.68	90379.47	273.60			
151	1.31	268.58	100.27	23.49	23.49	31649.97	90379.84	273.63			
152	1.31	276.52	100.27	24.09	24.09	31652.99	90380.04	273.63			
153	1.31	288.29	101.08	13.78	13.78	31652.01	90390.84	273.49			
154	1.31	274.12	101.08	12.60	12.60	31648.85	90390.78	273.52			
155	1.31	257.94	100.89	12.20	12.20	31645.69	90390.66	273.56			
156	1.31	341.01	100.24	23.32	23.32	31667.96	90397.51	273.64			
157	1.31	350.87	100.29	22.65	22.65	31667.85	90401.13	273.63			
158	1.31	365.07	100.74	22.79	22.79	31667.81	90406.17	273.46			
159	1.31	372.48	100.21	22.77	22.77	31667.26	90408.77	273.65			
160	1.31	344.61	102.11	10.47	10.47	31655.57	90401.03	273.38			
161	1.31	333.09	102.36	8.62	8.61	31653.34	90399.85	273.41			
162	1.31	315.88	101.80	9.81	9.81	31653.21	90397.11	273.45			
163	1.31	310.55	102.77	8.42	8.41	31651.65	90397.37	273.36			
164	1.31	312.34	104.53	4.23	4.22	31648.54	90400.20	273.43			
165	1.31	245.63	107.32	2.60	2.59	31644.86	90400.30	273.43			
166	1.31	231.50	110.02	2.44	2.41	31644.37	90400.62	273.35			
167	1.31	186.01	130.16	0.94	0.83	31644.53	90402.48	273.30			
168	1.31	198.32	102.35	5.57	5.57	31640.90	90399.41	273.52			
169	1.31	172.36	102.83	15.58	15.57	31630.23	90398.84	273.04			
170	1.31	161.55	103.64	15.27	15.24	31630.09	90401.47	272.86			
171	1.31	148.27	103.80	15.57	15.54	31629.84	90404.67	272.80			
172	1.31	134.08	103.23	16.74	16.72	31629.51	90408.44	272.88			
173	1.31	78.09	108.74	3.30	3.27	31644.15	90405.91	273.28			
174	1.31	100.89	103.87	8.11	8.10	31640.00	90409.00	273.24			
175	1.31	68.07	103.59	7.48	7.47	31643.83	90410.18	273.31			
176	1.31	35.79	103.47	7.92	7.91	31647.71	90410.38	273.30			
177	1.31	17.88	102.86	9.73	9.72	31650.71	90410.91	273.29			
178	1.31	4.04	102.56	9.09	9.08	31651.86	90409.10	273.36			
179	1.31	394.25	103.50	8.38	8.37	31652.15	90407.61	273.27			
180	1.31	376.74	102.56	10.20	10.19	31654.91	90406.15	273.32			
181	1.31	46.28	101.23	26.19	26.19	31649.15	90428.75	273.22			
182	1.31	54.52	101.32	25.59	25.59	31645.76	90428.43	273.20			
183	1.31	63.53	101.44	25.58	25.57	31642.15	90428.23	273.15			
184	1.31	65.21	101.47	25.38	25.37	31641.51	90427.95	273.14			
185	1.31	62.75	101.01	42.97	42.97	31640.55	90445.56	273.05			
186	1.31	57.65	100.93	42.90	42.89	31643.99	90445.73	273.11			
187	1.31	52.51	100.87	43.29	43.28	31647.47	90446.08	273.14			
188	1.31	55.23	100.77	60.74	60.74	31645.76	90463.59	272.99			
189	1.31	58.82	100.75	60.45	60.44	31642.35	90463.23	273.02			
190	1.31	62.62	100.73	60.58	60.58	31638.75	90463.08	273.03			
191	1.31	63.22	100.63	60.47	60.47	31638.19	90462.90	273.14			
192	1.31	66.06	100.86	71.84	71.84	31633.68	90473.75	272.76			
193	1.31	62.48	100.69	71.46	71.46	31637.73	90473.91	272.95			
194	1.31	59.47	100.73	71.49	71.48	31641.10	90474.21	272.90			
195	1.31	56.16	100.70	71.39	71.38	31644.81	90474.23	272.94			
196	1.31	54.22	100.57	71.55	71.55	31646.99	90474.38	273.09			
197	1.31	56.83	100.66	81.71	81.71	31643.88	90484.55	272.88			

198	1.31	59.58	100.69	81.78	81.77	31640.35	90484.48	272.84
199	1.31	62.35	100.67	82.07	82.06	31636.77	90484.47	272.87
200	1.31	62.81	100.72	81.87	81.86	31636.21	90484.21	272.81
201	1.31	62.28	100.62	93.27	93.26	31635.72	90495.63	272.82
202	1.31	59.90	100.59	93.13	93.12	31639.20	90495.77	272.86
203	1.31	57.45	100.63	93.07	93.06	31642.78	90495.88	272.81
204	1.31	57.96	100.58	104.60	104.60	31641.64	90507.39	272.77
205	1.31	60.03	100.58	104.48	104.48	31638.25	90507.09	272.77
206	1.31	62.28	100.60	104.58	104.57	31634.55	90506.88	272.74
207	1.31	62.55	100.62	104.49	104.48	31634.14	90506.74	272.70
208	1.31	62.19	100.58	119.04	119.03	31633.24	90521.27	272.65
209	1.31	60.28	100.55	119.03	119.02	31636.81	90521.57	272.70
210	1.31	58.43	100.57	118.95	118.94	31640.25	90521.69	272.66
211	1.31	58.69	100.51	129.92	129.92	31639.26	90532.63	272.68
212	1.31	60.38	100.51	129.99	129.98	31635.81	90532.49	272.68
213	1.31	62.19	100.52	129.96	129.95	31632.15	90532.14	272.67
214	1.31	62.46	100.50	129.73	129.72	31631.62	90531.85	272.70
215	1.31	63.91	100.50	142.34	142.34	31627.08	90544.02	272.60
216	1.31	62.17	100.48	142.16	142.16	31630.95	90544.29	272.65
217	1.31	60.50	100.48	141.91	141.90	31634.69	90544.36	272.65
218	1.31	58.97	100.49	141.71	141.71	31638.10	90544.38	272.63
219	1.31	57.35	100.46	138.38	138.37	31641.79	90541.18	272.73

СТАНЦИЯ пт15 - G (I= 1.686) EOT

NT	X	Y	H	O	V
пт14	31645.27	90402.85	273.34	48.88	0.01
пт16	31624.46	90913.83	267.58	48.91	-0.01
пт15	31619.57	90689.04	271.64	48.89	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт14	1.31	256.82	99.71	287.32	287.32	31645.33	90402.88	273.33	-0.06	-0.03	0.01
пт16	1.31	49.71	101.26	224.90	224.86	31624.51	90913.84	267.57	-0.05	-0.02	0.01
220	1.31	259.45	99.71	134.76	134.76	31637.16	90555.44	272.64			
221	1.31	257.80	99.72	134.56	134.56	31633.69	90555.23	272.60			
222	1.31	256.06	99.72	134.98	134.98	31630.06	90554.47	272.61			
223	1.31	255.78	99.69	134.79	134.79	31629.45	90554.62	272.67			
224	1.31	255.91	99.78	119.79	119.79	31628.59	90569.59	272.44			
225	1.31	257.76	99.73	119.77	119.77	31632.06	90569.93	272.53			
226	1.31	259.75	99.73	119.94	119.94	31635.80	90570.21	272.53			
227	1.31	260.04	99.77	107.54	107.54	31634.60	90582.56	272.40			
228	1.31	257.80	99.75	107.46	107.45	31630.83	90582.18	272.45			
229	1.31	255.71	99.77	107.35	107.35	31627.33	90581.97	272.41			
230	1.31	255.35	99.75	107.21	107.21	31626.70	90582.08	272.44			
231	1.31	255.53	99.76	93.55	93.55	31626.05	90595.72	272.38			
232	1.31	257.89	99.79	93.86	93.86	31629.55	90595.71	272.34			
233	1.31	260.48	99.79	93.99	93.99	31633.36	90596.07	272.34			
234	1.31	264.25	99.75	83.30	83.30	31636.65	90607.51	272.35			
235	1.31	260.92	99.83	82.79	82.79	31632.27	90607.23	272.24			
236	1.31	258.03	99.81	82.56	82.56	31628.52	90606.97	272.26			
237	1.31	255.23	99.80	81.98	81.98	31624.87	90607.23	272.28			
238	1.31	254.80	99.80	81.79	81.79	31624.31	90607.39	272.28			
239	0.50	252.86	100.37	83.57	83.57	31621.86	90605.51	272.35			
240	1.31	254.93	99.82	69.94	69.94	31623.76	90619.23	272.22			
241	1.31	258.10	99.90	69.82	69.82	31627.22	90619.64	272.13			
242	1.31	261.57	99.90	69.96	69.96	31631.01	90620.02	272.13			
243	1.31	262.52	99.99	57.43	57.43	31629.81	90632.53	272.03			
244	1.31	258.49	99.94	57.31	57.31	31626.20	90632.13	272.08			
245	1.31	254.45	99.89	57.11	57.11	31622.56	90632.02	272.12			
246	1.31	253.65	99.86	57.01	57.01	31621.85	90632.08	272.15			
247	1.31	253.55	99.95	43.08	43.08	31621.22	90646.00	272.06			
248	1.31	258.56	100.08	42.90	42.90	31624.58	90646.44	271.97			
249	1.31	264.16	100.10	43.80	43.80	31628.48	90646.16	271.95			
250	1.31	271.29	99.76	45.41	45.41	31633.72	90645.90	272.19			
251	1.31	286.33	99.68	40.24	40.23	31640.71	90654.81	272.22			
252	1.31	271.50	100.06	32.78	32.78	31629.89	90657.93	271.99			
253	1.31	267.55	100.04	34.81	34.81	31628.46	90655.38	272.00			
254	1.31	265.37	100.04	37.37	37.37	31627.87	90652.61	271.99			
255	1.31	267.09	100.22	30.05	30.05	31627.03	90659.93	271.92			
256	1.31	260.12	100.39	29.70	29.70	31623.76	90659.64	271.84			
257	1.31	251.88	100.30	30.05	30.05	31619.93	90659.00	271.88			
258	1.31	250.50	100.19	29.92	29.92	31619.28	90659.13	271.93			
259	1.31	247.38	100.91	16.81	16.80	31618.58	90672.27	271.78			
260	1.31	260.69	101.15	16.02	16.02	31621.97	90673.20	271.73			
261	1.31	283.01	101.21	12.43	12.42	31625.53	90678.15	271.78			
262	1.31	284.44	100.66	17.82	17.82	31628.48	90673.61	271.84			
263	1.31	302.11	100.41	21.59	21.59	31635.07	90674.02	271.88			
264	1.31	316.30	100.36	23.14	23.14	31639.33	90677.02	271.89			
265	1.31	300.16	100.17	27.54	27.54	31638.75	90669.28	271.95			
266	1.31	307.21	101.46	9.85	9.85	31627.16	90682.78	271.79			
267	1.31	276.33	103.16	6.47	6.47	31622.06	90683.08	271.70			
268	1.31	27.95	106.13	3.96	3.94	31620.97	90692.73	271.64			
269	1.31	1.13	104.38	5.53	5.52	31623.47	90692.95	271.64			
270	1.31	371.63	103.80	5.72	5.70	31624.98	90690.84	271.68			
271	1.31	362.23	102.66	7.18	7.17	31626.63	90690.28	271.72			
272	1.31	380.81	101.74	7.63	7.63	31626.38	90692.47	271.81			
273	1.31	338.17	102.35	7.71	7.71	31627.11	90687.48	271.74			
274	1.31	328.42	101.25	12.68	12.68	31631.45	90684.62	271.77			
275	1.31	334.58	100.02	26.78	26.78	31645.45	90682.16	272.01			
276	1.31	339.38	100.40	26.26	26.26	31645.38	90684.23	271.86			
277	1.31	352.95	100.40	26.13	26.13	31645.68	90689.80	271.86			
278	1.31	357.64	100.29	26.83	26.83	31646.26	90691.79	271.90			
279	1.31	230.21	103.35	6.32	6.31	31617.53	90683.07	271.69			
280	1.31	218.72	103.95	5.38	5.37	31616.95	90684.35	271.69			
281	1.31	199.82	103.25	6.64	6.63	31614.79	90684.45	271.68			
282	1.31	202.16	103.13	7.85	7.84	31614.12	90683.41	271.64			
283	1.31	178.11	102.25	14.10	14.09	31606.72	90683.24	271.52			
284	1.31	169.89	102.25	13.56	13.56	31606.60	90685.10	271.54			
285	1.31	143.06	102.53	12.88	12.87	31606.80	90690.66	271.51			
286	1.31	130.15	102.69	12.47	12.46	31607.78	90693.07	271.49			
287	1.31	111.88	102.76	6.43	6.43	31614.32	90692.75	271.74			
288	1.31	130.28	103.18	5.22	5.21	31614.63	90690.71	271.76			
289	1.31	117.92	105.08	4.20	4.19	31615.94	90691.13	271.69			
290	1.31	99.20	105.09	4.65	4.64	31616.39	90692.41	271.65			
291	1.31	42.11	106.08	3.82	3.80	31620.10	90692.80	271.66			
292	1.31	38.08	101.73	20.16	20.15	31623.66	90708.77	271.47			
293	1.31	49.08	101.73	19.78	19.77	31620.20	90708.80	271.48			
294	1.31	60.16	101.59	20.12	20.11	31616.72	90708.95	271.52			
295	1.31	59.96	101.29	34.80	34.80	31614.75	90723.50	271.32			
296	1.31	55.94	101.35	34.24	34.24	31616.97	90723.18	271.29			
297	1.31	49.52	101.36	34.19	34.18	31620.42	90723.21	271.29			
298	1.31	42.84	101.36	34.35	34.34	31624.02	90723.09	271.29			
299	1.31	42.24	101.28	34.22	34.22	31624.32	90722.92	271.33			
300	1.31	36.15	101.41	32.04	32.03	31627.02	90720.20	271.31			
301	1.31	44.92	101.35	49.63	49.61	31624.38	90738.42	270.97			

302	1.31	49.21	101.29	49.53	49.52	31621.04	90738.54	271.02
303	1.31	54.01	101.28	49.28	49.27	31617.32	90738.27	271.03
304	1.31	53.09	101.20	62.68	62.67	31617.62	90751.68	270.84
305	1.31	49.69	101.20	62.69	62.68	31620.97	90751.70	270.84
306	1.31	45.83	101.20	62.62	62.61	31624.75	90751.44	270.84
307	1.31	45.45	101.17	62.54	62.53	31625.12	90751.32	270.87
308	1.31	46.69	101.21	78.35	78.33	31625.00	90767.18	270.54
309	1.31	49.37	101.21	78.38	78.37	31621.71	90767.38	270.54
310	1.31	52.41	101.18	78.58	78.57	31617.96	90767.59	270.56
311	1.31	51.89	101.21	95.32	95.30	31618.40	90784.33	270.21
312	1.31	49.58	101.24	95.26	95.24	31621.85	90784.26	270.17
313	1.31	47.19	101.21	95.47	95.46	31625.43	90784.32	270.21
314	1.31	46.85	101.14	95.31	95.29	31625.94	90784.12	270.31
315	1.31	47.43	101.21	107.12	107.10	31625.74	90795.96	269.98
316	1.31	49.44	101.21	107.32	107.30	31622.38	90796.30	269.98
317	1.31	51.64	101.18	107.48	107.46	31618.68	90796.50	270.02
318	1.31	52.25	101.10	128.82	128.80	31617.25	90817.82	269.80
319	1.52	51.31	101.08	129.42	129.41	31619.15	90818.45	269.61
320	1.31	49.50	101.18	128.43	128.40	31622.80	90817.40	269.64
321	1.31	47.78	101.17	128.82	128.80	31626.29	90817.66	269.66
322	1.31	47.47	101.12	128.63	128.61	31626.92	90817.44	269.77
323	1.31	46.52	101.11	128.30	128.28	31628.81	90816.98	269.78

СТАНЦИЯ пт16 - G (I= 1.705) ЕОТ

NT	X	Y	H	O	V
пт15	31619.57	90689.04	271.64	41.09	0.01
пт17	31632.04	91160.02	262.41	41.12	-0.01
пт16	31624.46	90913.83	267.58	41.10	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт15	1.31	257.52	98.96	224.89	224.86	31619.61	90689.02	271.63	-0.04	0.02	0.01
пт17	1.31	56.93	101.44	246.39	246.32	31632.08	91160.04	262.40	-0.04	-0.02	0.01
324	1.31	260.68	98.96	78.93	78.92	31626.67	90834.94	269.26			
325	1.31	257.86	98.99	78.28	78.27	31623.19	90835.57	269.21			
326	1.31	254.95	98.97	78.88	78.87	31619.57	90835.12	269.24			
327	1.31	254.37	99.01	63.11	63.10	31619.98	90850.89	268.96			
328	1.31	257.93	99.01	62.94	62.93	31623.51	90850.91	268.96			
329	1.31	261.54	98.97	63.01	63.00	31627.08	90850.88	268.99			
330	1.31	262.09	98.93	62.85	62.84	31627.61	90851.07	269.03			
331	1.31	262.72	99.06	48.16	48.15	31627.35	90865.77	268.69			
332	1.31	258.21	99.15	47.79	47.78	31623.95	90866.05	268.61			
333	1.31	253.38	99.10	47.39	47.38	31620.36	90866.63	268.64			
334	1.31	250.71	99.44	28.57	28.57	31620.79	90885.50	268.23			
335	1.31	258.09	99.58	28.73	28.73	31624.10	90885.11	268.16			
336	1.31	266.18	99.56	29.72	29.72	31627.85	90884.30	268.18			
337	1.31	266.83	99.36	29.61	29.61	31628.14	90884.45	268.27			
338	1.31	273.81	100.20	16.70	16.70	31628.33	90897.59	267.92			
339	1.31	259.70	100.14	16.16	16.16	31624.66	90897.68	267.94			
340	1.31	245.85	100.05	16.55	16.55	31621.09	90897.63	267.96			
341	1.31	227.60	102.46	6.69	6.68	31621.31	90907.94	267.72			
342	1.31	213.67	103.45	5.68	5.67	31620.76	90909.53	267.67			
343	1.31	197.58	102.86	6.51	6.51	31619.12	90910.12	267.68			
344	1.31	210.86	102.12	7.77	7.77	31619.14	90908.17	267.72			
345	1.31	181.06	101.74	11.54	11.54	31613.62	90909.90	267.66			
346	1.31	185.47	101.26	13.87	13.87	31611.78	90908.21	267.70			
347	1.31	161.26	101.63	14.22	14.21	31610.26	90913.30	267.61			
348	1.31	113.68	104.10	6.57	6.56	31619.49	90918.10	267.55			
349	1.31	130.60	104.41	5.14	5.13	31619.83	90916.03	267.62			
350	1.31	117.90	106.19	4.26	4.24	31621.07	90916.38	267.56			
351	1.31	99.37	106.06	4.79	4.77	31621.63	90917.66	267.52			
352	1.31	52.14	107.87	3.93	3.90	31624.87	90917.70	267.49			
353	1.31	394.90	105.33	5.15	5.13	31628.79	90916.58	267.54			
354	1.31	386.67	105.33	5.03	5.01	31629.00	90915.95	267.55			
355	1.31	376.48	105.12	5.98	5.96	31630.20	90915.45	267.49			
356	1.31	387.47	104.93	5.16	5.15	31629.10	90916.06	267.58			
357	1.31	390.88	103.95	7.64	7.63	31631.14	90917.50	267.50			
358	1.31	372.81	102.37	16.86	16.85	31640.91	90917.48	267.35			
359	1.31	364.37	102.78	16.20	16.19	31640.58	90915.22	267.27			
360	1.31	343.26	102.23	16.67	16.66	31640.62	90909.78	267.39			
361	1.31	335.52	101.60	17.10	17.09	31640.41	90907.70	267.54			
362	1.31	312.26	102.16	8.79	8.79	31630.99	90907.95	267.68			
363	1.31	321.15	103.75	7.06	7.05	31630.31	90909.89	267.56			
364	1.31	306.28	103.92	6.78	6.77	31629.04	90908.85	267.56			
365	1.31	290.40	102.13	8.54	8.53	31628.51	90906.32	267.69			
366	1.31	264.34	102.69	5.73	5.73	31624.95	90908.13	267.73			
367	1.31	43.97	102.78	20.46	20.44	31629.21	90933.71	267.08			
368	1.31	54.95	102.74	20.33	20.31	31625.72	90934.10	267.10			
369	1.31	66.51	102.91	20.57	20.55	31622.01	90934.23	267.03			
370	1.31	62.64	102.27	35.44	35.42	31622.38	90949.19	266.71			
371	1.31	56.21	102.18	35.35	35.33	31625.95	90949.13	266.77			
372	1.31	49.79	102.13	35.43	35.41	31629.50	90948.88	266.79			
373	1.31	49.09	102.05	35.29	35.27	31629.87	90948.68	266.84			
374	1.31	52.17	101.94	51.27	51.25	31629.86	90964.79	266.41			
375	1.31	56.68	102.00	51.17	51.15	31626.23	90964.95	266.37			
376	1.31	60.95	101.98	51.32	51.30	31622.81	90965.10	266.38			
377	1.31	60.11	101.81	68.84	68.81	31623.15	90982.63	266.02			
378	1.31	56.87	101.88	68.75	68.72	31626.65	90982.52	265.94			
379	1.31	53.51	101.92	68.64	68.61	31630.25	90982.20	265.91			
380	1.31	53.08	101.83	68.54	68.51	31630.71	90982.05	266.01			
381	1.31	54.31	101.90	85.47	85.44	31630.61	90999.05	265.42			
382	1.31	56.97	101.86	85.61	85.57	31627.05	90999.36	265.47			
383	1.31	59.59	101.76	85.74	85.70	31623.53	90999.52	265.60			
384	1.31	60.70	101.67	101.19	101.15	31621.59	91014.95	265.32			
385	1.31	59.27	101.77	101.19	101.16	31623.87	91014.98	265.17			
386	1.31	57.22	101.82	101.59	101.55	31627.13	91015.34	265.06			
387	1.31	54.84	101.80	101.88	101.84	31630.94	91015.46	265.10			
388	1.31	54.52	101.75	101.73	101.70	31631.45	91015.28	265.18			
389	1.31	52.94	101.80	100.34	100.30	31633.83	91013.69	265.14			
390	1.31	55.16	101.75	117.71	117.67	31631.35	91031.30	264.74			
391	1.31	57.13	101.80	117.67	117.62	31627.72	91031.40	264.65			
392	1.31	59.01	101.77	118.12	118.08	31624.24	91031.91	264.70			
393	1.70	58.79	101.52	135.20	135.16	31624.68	91048.98	264.36			
394	1.31	57.20	101.77	135.00	134.95	31628.06	91048.73	264.23			
395	1.31	55.44	101.74	134.94	134.89	31631.77	91048.52	264.28			
396	1.31	55.14	101.72	134.77	134.72	31632.40	91048.31	264.33			
397	1.31	55.64	101.70	151.46	151.41	31632.21	91065.04	263.93			
398	1.31	57.09	101.70	151.73	151.68	31628.76	91065.45	263.92			
399	1.31	58.60	101.68	151.86	151.81	31625.18	91065.64	263.97			
400	1.31	58.51	101.60	167.53	167.48	31625.48	91081.30	263.75			
401	1.31	57.18	101.67	167.68	167.62	31628.98	91081.39	263.59			
402	1.31	55.82	101.65	167.76	167.70	31632.56	91081.34	263.63			
403	1.31	55.63	101.62	167.66	167.61	31633.06	91081.22	263.71			
404	1.31	55.97	101.59	184.04	183.98	31632.90	91097.62	263.37			
405	1.31	57.20	101.59	183.89	183.83	31629.35	91097.59	263.38			

406	1.31	58.41	101.57	184.05	183.99	31625.87	91097.81	263.44
407	1.31	58.35	101.52	200.75	200.69	31626.19	91114.51	263.17
408	1.31	57.35	101.54	200.93	200.87	31629.35	91114.64	263.11
409	1.31	56.09	101.55	200.99	200.94	31633.30	91114.57	263.08
410	1.31	55.91	101.52	200.83	200.78	31633.87	91114.38	263.18
411	1.31	56.17	101.50	212.29	212.23	31633.56	91125.87	262.98
412	1.31	57.29	101.52	212.32	212.26	31629.81	91126.02	262.92
413	1.31	58.29	101.49	212.42	212.36	31626.49	91126.18	262.99
414	1.31	58.25	101.46	223.44	223.38	31626.71	91137.20	262.84
415	1.31	57.29	101.49	223.33	223.27	31630.11	91137.02	262.76
416	1.31	56.23	101.46	223.36	223.31	31633.80	91136.94	262.86
417	1.31	56.06	101.44	223.19	223.13	31634.39	91136.74	262.93
418	1.31	56.28	101.44	233.90	233.84	31634.05	91147.48	262.68
419	1.31	57.24	101.44	234.02	233.96	31630.54	91147.71	262.69
420	1.31	58.21	101.43	234.18	234.12	31626.99	91147.94	262.73

СТАНЦИЯ пт17 - G (I= 1.698) БОТ

NT	X	Y	H	O	V
пт16	31624.46	90913.83	267.58	309.02	0.01
пт18	31636.21	91346.75	260.15	309.04	-0.01
пт17	31632.04	91160.02	262.41	309.03	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт16	1.31	389.02	98.77	246.37	246.32	31624.48	90913.82	267.56	-0.03	0.01	0.01
пт18	1.31	189.54	100.90	186.78	186.76	31636.23	91346.73	260.15	-0.02	0.02	0.00
421	1.31	349.12	101.28	8.22	8.22	31627.01	91153.52	262.63			
422	1.31	368.40	102.11	6.64	6.64	31629.73	91153.80	262.58			
423	1.31	17.54	103.62	5.27	5.26	31634.17	91155.22	262.50			
424	1.31	39.26	103.68	7.24	7.23	31637.01	91154.78	262.38			
425	1.31	52.67	104.38	5.75	5.73	31636.76	91156.78	262.40			
426	1.31	47.32	106.09	4.67	4.65	31635.63	91157.09	262.35			
427	1.31	64.41	105.00	6.30	6.28	31637.78	91157.48	262.30			
428	1.31	66.66	102.99	14.48	14.46	31645.46	91154.64	262.12			
429	1.31	78.13	103.37	13.75	13.73	31645.49	91157.27	262.07			
430	1.31	103.65	104.08	14.35	14.32	31646.08	91162.86	261.88			
431	1.31	117.26	103.33	15.24	15.22	31645.98	91166.13	262.00			
432	1.31	113.33	105.24	8.09	8.06	31639.61	91162.80	262.13			
433	1.31	145.99	105.83	5.77	5.75	31635.77	91164.40	262.27			
434	1.31	170.33	104.07	7.47	7.46	31634.41	91167.09	262.32			
435	1.31	148.32	104.53	8.00	7.98	31636.99	91166.28	262.23			
436	1.31	212.19	105.75	5.46	5.44	31630.26	91165.16	262.31			
437	1.31	240.21	103.92	6.83	6.82	31627.27	91164.91	262.38			
438	1.31	241.45	101.53	9.38	9.38	31625.36	91166.60	262.57			
439	1.31	258.96	100.49	14.17	14.17	31619.62	91166.85	262.69			
440	1.31	275.17	101.47	11.75	11.75	31620.65	91162.91	262.53			
441	1.31	303.16	101.03	11.59	11.59	31620.66	91157.82	262.61			
442	1.31	314.70	99.98	13.04	13.04	31619.89	91155.27	262.80			
443	1.31	330.37	100.91	8.30	8.30	31625.28	91155.21	262.68			
444	1.31	318.51	103.82	5.27	5.26	31627.26	91157.82	262.48			
445	1.31	254.98	104.83	5.68	5.66	31627.26	91163.05	262.37			
446	1.31	207.61	102.28	17.10	17.09	31627.62	91176.53	262.19			
447	1.31	195.89	102.74	16.53	16.52	31630.76	91176.49	262.09			
448	1.70	181.24	101.13	16.75	16.74	31634.59	91176.57	262.11			
449	1.31	182.90	101.73	24.75	24.74	31635.17	91184.57	262.13			
450	1.31	183.87	101.82	24.81	24.80	31634.80	91184.67	262.09			
451	1.31	193.17	101.90	24.86	24.85	31631.18	91184.86	262.06			
452	1.31	201.77	101.80	25.25	25.24	31627.78	91184.90	262.09			
453	1.31	197.61	101.31	38.07	38.06	31628.07	91197.88	262.01			
454	1.31	192.20	101.47	38.04	38.03	31631.30	91198.05	261.92			
455	1.31	185.76	101.41	38.06	38.05	31635.14	91197.95	261.96			
456	1.31	186.00	101.19	49.59	49.58	31635.90	91209.45	261.87			
457	1.31	186.72	101.32	49.76	49.75	31635.36	91209.66	261.77			
458	1.31	190.93	101.35	49.49	49.48	31632.07	91209.50	261.75			
459	1.31	195.73	101.21	49.71	49.70	31628.33	91209.59	261.86			
460	1.31	194.49	101.15	63.32	63.31	31628.54	91223.23	261.65			
461	1.31	191.22	101.22	63.15	63.13	31631.79	91223.16	261.59			
462	1.31	187.40	101.28	63.13	63.12	31635.57	91223.05	261.53			
463	1.31	187.17	101.13	75.81	75.79	31636.55	91235.68	261.45			
464	1.31	187.65	101.19	75.83	75.81	31635.99	91235.73	261.39			
465	1.31	190.68	101.20	75.88	75.87	31632.38	91235.89	261.37			
466	1.31	193.67	101.07	76.45	76.44	31628.80	91236.39	261.51			
467	1.31	186.27	101.20	81.81	81.79	31638.07	91241.59	261.26			
468	1.31	187.71	101.15	82.09	82.08	31636.24	91241.99	261.31			
469	1.31	187.01	101.16	83.90	83.89	31637.25	91243.75	261.27			
470	1.31	186.27	101.19	84.38	84.36	31638.26	91244.16	261.22			
471	1.31	186.42	101.21	88.66	88.64	31638.36	91248.44	261.11			
472	1.31	186.46	101.15	89.88	89.86	31638.39	91249.66	261.17			
473	1.31	187.53	101.13	89.06	89.05	31636.85	91248.94	261.22			
474	1.31	187.92	101.13	90.44	90.42	31636.36	91250.34	261.20			
475	1.31	190.50	101.11	90.33	90.32	31632.71	91250.34	261.23			
476	1.31	193.06	101.03	90.40	90.39	31629.08	91250.37	261.33			
477	1.31	192.67	100.99	100.51	100.50	31629.35	91260.48	261.24			
478	1.31	190.68	101.07	100.31	100.30	31632.49	91260.32	261.12			
479	1.31	188.04	101.07	100.27	100.25	31636.65	91260.17	261.12			
480	1.31	187.67	101.03	100.10	100.08	31637.22	91259.98	261.17			
481	1.31	186.87	101.02	113.57	113.56	31639.34	91273.34	260.98			
482	1.31	188.19	101.02	113.54	113.52	31636.98	91273.44	260.98			
483	1.31	190.16	101.03	113.48	113.47	31633.48	91273.48	260.97			
484	1.31	192.32	100.97	113.55	113.54	31629.62	91273.54	261.08			
485	1.31	193.63	100.92	113.66	113.65	31627.29	91273.57	261.16			
486	1.31	192.06	100.95	127.66	127.65	31629.85	91287.65	260.89			
487	1.31	190.39	101.00	127.89	127.88	31633.20	91287.89	260.79			
488	1.31	188.32	101.00	127.36	127.34	31637.34	91287.25	260.80			
489	1.31	188.00	100.94	127.15	127.14	31637.96	91287.02	260.92			
490	1.31	188.42	101.01	139.10	139.08	31637.61	91298.99	260.59			
491	1.31	190.11	101.01	139.49	139.47	31633.93	91299.48	260.59			
492	1.31	191.85	100.90	139.71	139.70	31630.11	91299.71	260.82			
493	1.31	191.63	100.93	152.25	152.24	31630.45	91312.25	260.57			
494	1.31	190.20	100.98	152.12	152.11	31633.87	91312.12	260.46			
495	1.31	188.52	101.00	151.68	151.66	31637.87	91311.57	260.42			
496	1.31	188.19	100.95	151.47	151.46	31638.64	91311.34	260.55			
497	1.31	188.57	100.96	164.26	164.24	31638.21	91324.14	260.32			
498	1.31	190.03	100.94	164.53	164.51	31634.45	91324.52	260.36			
499	1.31	191.52	100.90	164.67	164.65	31630.62	91324.67	260.46			

СТАНЦИЯ пт18 - G (I= 1.710) БОТ

NT	X	Y	H	O	V
пт17	31632.04	91160.02	262.41	217.59	0.00
пт18	31636.21	91346.75	260.15	217.59	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
πT17	1.31	80.98	99.37	186.78	186.77	31632.04	91160.03	262.41	0.00	-0.01	0.00
500	1.31	84.86	99.63	105.11	105.11	31640.26	91241.73	261.17			
501	1.31	84.84	99.65	102.70	102.70	31640.13	91244.13	261.13			
502	1.31	85.33	99.67	98.44	98.44	31640.73	91248.42	261.06			
503	1.31	85.32	99.61	97.09	97.09	31640.65	91249.77	261.15			
504	1.31	110.85	104.51	8.70	8.68	31639.96	91338.93	259.94			
505	1.31	102.61	104.58	8.63	8.61	31638.90	91338.57	259.93			
506	1.31	97.48	103.36	9.62	9.61	31638.46	91337.41	260.05			
507	1.31	103.78	103.65	9.26	9.25	31639.26	91338.02	260.02			
508	1.31	105.35	103.37	13.43	13.41	31640.94	91334.21	259.84			
509	1.31	67.18	103.24	7.82	7.81	31634.36	91339.17	260.16			
510	1.31	48.17	100.49	13.55	13.54	31629.28	91335.12	260.45			
511	1.31	49.56	101.46	11.00	10.99	31630.79	91337.20	260.30			
512	1.31	36.18	101.01	10.12	10.12	31629.49	91339.19	260.39			
513	1.31	23.73	100.33	11.19	11.19	31627.30	91339.99	260.50			
514	1.31	20.89	99.56	19.81	19.81	31619.91	91335.49	260.69			
515	1.31	6.23	98.79	17.33	17.33	31620.09	91340.42	260.88			
516	1.31	393.93	98.94	17.69	17.69	31618.81	91343.57	260.85			
517	1.31	382.63	99.04	16.58	16.58	31619.63	91346.70	260.80			
518	1.31	364.94	99.64	16.64	16.64	31620.20	91351.26	260.65			
519	1.31	15.77	102.56	6.10	6.10	31630.93	91343.70	260.31			
520	1.31	379.45	100.99	7.78	7.78	31628.45	91347.11	260.43			
521	1.31	354.74	102.33	5.91	5.90	31630.86	91349.23	260.34			
522	1.31	346.35	101.76	7.87	7.87	31629.57	91350.97	260.34			
523	1.31	326.07	103.09	5.97	5.96	31632.44	91351.36	260.26			
524	1.31	306.47	105.50	3.95	3.94	31634.76	91350.41	260.21			
525	1.31	279.87	105.91	4.24	4.22	31636.38	91350.97	260.16			
526	1.31	253.79	112.79	2.43	2.39	31637.25	91348.90	260.07			
527	1.31	228.80	107.27	5.86	5.82	31640.55	91350.63	259.89			
528	1.31	189.52	112.16	3.42	3.36	31639.55	91347.13	259.90			
529	1.31	198.73	104.65	13.66	13.62	31649.39	91350.20	259.56			
530	1.31	181.54	104.75	15.28	15.24	31651.45	91346.55	259.41			
531	1.31	167.54	104.74	15.65	15.60	31651.39	91343.14	259.39			
532	1.31	150.69	103.88	17.17	17.14	31651.27	91338.56	259.51			
533	1.31	137.66	102.96	19.66	19.64	31651.19	91334.05	259.64			
534	1.31	282.31	101.95	18.07	18.06	31636.24	91364.80	260.00			
535	1.31	289.18	101.84	18.19	18.18	31634.28	91364.83	260.03			
536	1.31	294.15	101.84	18.44	18.43	31632.83	91364.87	260.02			
537	1.31	290.16	101.16	31.27	31.26	31632.42	91377.78	259.98			
538	1.31	286.75	101.30	31.08	31.08	31634.09	91377.76	259.92			
539	1.31	283.56	101.39	31.29	31.28	31635.64	91378.02	259.87			
540	1.31	273.13	101.74	32.06	32.05	31640.87	91378.46	259.68			
541	0.51	292.35	101.66	41.44	41.42	31629.77	91387.67	260.28			
542	1.31	287.42	101.16	46.02	46.01	31632.59	91392.62	259.72			
543	1.31	284.62	101.20	45.62	45.61	31634.62	91392.34	259.69			
544	1.31	281.98	101.24	45.84	45.83	31636.52	91392.58	259.66			
545	1.31	278.87	101.31	75.72	75.70	31640.42	91422.34	258.99			
546	1.31	285.38	100.98	76.41	76.40	31632.65	91423.07	259.38			
547	1.31	284.61	100.94	73.95	73.94	31633.66	91420.64	259.46			
548	1.31	280.92	101.17	73.64	73.62	31637.93	91420.35	259.20			

КООРДИНАТЕН РЕГИСТЪР НА ПОДРОБНИТЕ ТОЧКИ
 ОТ ГЕОДЕЗИЧЕСКАТА СНИМКА НА
 ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
 ПОДОбЕКТ: "Рехабилитация на част от вътрешна водопроводна
 мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"
 ул."ТРЕТА"

№	X	Y	H
1	4731671.912	9589933.320	277.509
2	4731674.754	9589929.469	277.373
3	4731676.949	9589926.875	277.398
4	4731679.158	9589924.422	277.344
5	4731681.541	9589934.906	277.420
6	4731682.547	9589936.672	277.426
7	4731682.475	9589937.844	277.427
8	4731679.629	9589939.328	277.545
9	4731681.107	9589943.273	277.701
10	4731694.307	9589935.297	277.684
11	4731693.660	9589936.023	277.513
12	4731687.170	9589935.234	277.507
13	4731686.156	9589938.359	277.446
14	4731688.281	9589940.328	277.483
15	4731715.621	9589953.602	277.633
16	4731713.369	9589956.000	277.665
17	4731711.174	9589958.680	277.602
18	4731708.514	9589961.844	277.715
19	4731707.252	9589955.570	277.584
20	4731698.953	9589952.352	277.626
21	4731697.197	9589952.141	277.607
22	4731695.799	9589952.641	277.587
23	4731697.514	9589952.992	277.654
24	4731690.039	9589958.445	277.723
25	4731689.789	9589956.914	277.676
26	4731687.342	9589959.688	277.620
27	4731686.654	9589961.406	277.699
28	4731687.416	9589952.492	277.568
29	4731684.723	9589951.914	277.639
30	4731681.496	9589951.609	277.653
31	4731680.471	9589965.969	277.887
32	4731683.268	9589966.195	277.795
33	4731686.338	9589966.406	277.796
34	4731685.389	9589980.305	277.926
35	4731682.736	9589979.922	277.925
36	4731679.545	9589979.875	277.964
37	4731678.648	9589991.570	278.104
38	4731681.803	9589991.883	277.997
39	4731684.578	9589992.094	278.046
40	4731683.602	9590006.359	278.072
41	4731680.555	9590006.078	278.060
42	4731677.576	9590005.859	278.060
43	4731673.951	9590017.250	278.190
44	4731676.734	9590017.594	278.142
45	4731679.463	9590017.773	278.089
46	4731682.678	9590017.992	278.121
47	4731685.275	9590018.633	278.125
48	4731681.584	9590031.836	278.168
49	4731678.555	9590031.750	278.129
50	4731675.615	9590031.570	278.141
51	4731674.691	9590043.430	278.128
52	4731677.744	9590043.836	278.110
53	4731680.615	9590044.148	278.186
54	4731679.574	9590057.008	278.150
55	4731676.768	9590056.727	278.118
56	4731673.684	9590056.563	278.107
57	4731672.721	9590069.852	277.985
58	4731675.879	9590069.828	278.008
59	4731678.756	9590069.750	278.031
60	4731677.725	9590082.836	277.863
61	4731674.617	9590082.727	277.830
62	4731671.783	9590082.805	277.857
63	4731670.824	9590094.313	277.709
64	4731673.783	9590094.563	277.671
65	4731676.775	9590094.852	277.696
66	4731675.779	9590107.609	277.482
67	4731673.043	9590107.570	277.509
68	4731669.840	9590107.531	277.534
69	4731665.701	9590118.609	277.607
70	4731668.705	9590120.492	277.299
71	4731671.551	9590120.859	277.332
72	4731674.666	9590121.000	277.436
73	4731676.949	9590122.375	277.239
74	4731673.566	9590134.117	277.150
75	4731670.510	9590134.219	277.151
76	4731667.547	9590134.367	277.165
77	4731666.402	9590147.406	277.047
78	4731668.990	9590147.875	277.032
79	4731672.277	9590148.352	277.034
80	4731671.229	9590159.430	276.875
81	4731668.451	9590159.375	276.928
82	4731665.383	9590159.391	276.926
83	4731661.928	9590156.633	276.884
84	4731663.840	9590173.188	276.717
85	4731664.213	9590173.289	276.667
86	4731667.307	9590173.453	276.576
87	4731670.217	9590173.586	276.544
88	4731669.180	9590185.953	276.434
89	4731666.170	9590186.016	276.400
90	4731663.201	9590186.031	276.455
91	4731661.793	9590197.328	276.327
92	4731662.223	9590197.359	276.225
93	4731665.053	9590197.609	276.209
94	4731668.238	9590197.594	276.221
95	4731669.758	9590208.844	276.193
96	4731667.268	9590208.570	276.066
97	4731664.605	9590208.469	276.045
98	4731661.359	9590208.211	276.024
99	4731658.590	9590207.414	276.208
100	4731659.803	9590223.406	275.913
101	4731660.146	9590224.297	275.825
102	4731659.801	9590228.969	275.749
103	4731657.279	9590223.148	275.804
104	4731656.590	9590230.563	275.712
105	4731662.967	9590223.867	275.768
106	4731666.002	9590223.844	275.792
107	4731664.646	9590240.055	275.599

108	4731661.689	9590239.773	275.600
109	4731658.621	9590239.750	275.528
110	4731656.900	9590253.000	275.459
111	4731657.438	9590253.305	275.389
112	4731660.711	9590253.602	275.421
113	4731663.510	9590253.578	275.375
114	4731662.395	9590268.547	275.225
115	4731659.383	9590268.398	275.282
116	4731656.205	9590268.141	275.190
117	4731654.607	9590279.781	275.051
118	4731655.203	9590279.961	274.967
119	4731658.270	9590280.156	275.054
120	4731661.314	9590280.344	275.031
121	4731663.213	9590291.531	275.021
122	4731660.260	9590292.633	274.840
123	4731657.322	9590292.820	274.836
124	4731654.137	9590292.664	274.779
125	4731651.107	9590292.875	274.868
126	4731652.457	9590304.734	274.601
127	4731653.084	9590304.852	274.589
128	4731656.207	9590305.234	274.620
129	4731659.240	9590305.195	274.600
130	4731658.121	9590318.102	274.480
131	4731655.146	9590318.016	274.409
132	4731652.035	9590317.891	274.442
133	4731650.307	9590330.031	274.311
134	4731650.938	9590330.086	274.230
135	4731653.828	9590330.516	274.199
136	4731656.998	9590330.789	274.243
137	4731658.209	9590343.141	274.012
138	4731655.980	9590343.125	273.968
139	4731653.074	9590342.961	273.986
140	4731649.904	9590342.609	273.987
141	4731646.299	9590343.461	273.971
142	4731648.350	9590354.367	273.983
143	4731648.832	9590354.445	273.923
144	4731651.910	9590354.352	273.868
145	4731655.020	9590354.688	273.821
146	4731654.006	9590367.648	273.735
147	4731651.045	9590367.664	273.695
148	4731647.711	9590367.563	273.711
149	4731646.145	9590379.453	273.679
150	4731646.680	9590379.469	273.602
151	4731649.971	9590379.836	273.630
152	4731652.988	9590380.039	273.627
153	4731652.006	9590390.844	273.495
154	4731648.854	9590390.781	273.515
155	4731645.688	9590390.664	273.558
156	4731667.963	9590397.508	273.640
157	4731667.854	9590401.125	273.627
158	4731667.811	9590406.172	273.464
159	4731667.258	9590408.766	273.655
160	4731655.572	9590401.031	273.383
161	4731653.340	9590399.852	273.410
162	4731653.213	9590397.109	273.451
163	4731651.648	9590397.367	273.362
164	4731648.541	9590400.195	273.429
165	4731644.859	9590400.305	273.430
166	4731644.371	9590400.617	273.346
167	4731644.529	9590402.477	273.302
168	4731640.900	9590399.406	273.523
169	4731630.229	9590398.836	273.036
170	4731630.088	9590401.469	272.857
171	4731629.836	9590404.672	272.800
172	4731629.508	9590408.438	272.880
173	4731644.146	9590405.914	273.278
174	4731639.996	9590409.000	273.236
175	4731643.832	9590410.180	273.307
176	4731647.705	9590410.375	273.297
177	4731650.715	9590410.906	273.292
178	4731651.861	9590409.102	273.363
179	4731652.152	9590407.609	273.269
180	4731654.910	9590406.148	273.319
181	4731649.146	9590428.750	273.222
182	4731645.764	9590428.430	273.196
183	4731642.150	9590428.234	273.151
184	4731641.512	9590427.945	273.141
185	4731640.551	9590445.563	273.049
186	4731643.988	9590445.727	273.106
187	4731647.473	9590446.078	273.140
188	4731645.764	9590463.586	272.995
189	4731642.352	9590463.227	273.018
190	4731638.748	9590463.078	273.033
191	4731638.191	9590462.898	273.135
192	4731633.682	9590473.750	272.756
193	4731637.730	9590473.914	272.955
194	4731641.098	9590474.211	272.904
195	4731644.813	9590474.234	272.940
196	4731646.986	9590474.375	273.088
197	4731643.883	9590484.547	272.883
198	4731640.352	9590484.477	272.842
199	4731636.773	9590484.469	272.871
200	4731636.213	9590484.211	272.806
201	4731635.721	9590495.625	272.815
202	4731639.195	9590495.773	272.861
203	4731642.777	9590495.883	272.809
204	4731641.645	9590507.391	272.769
205	4731638.254	9590507.094	272.772
206	4731634.553	9590506.875	272.737
207	4731634.137	9590506.742	272.705
208	4731633.240	9590521.273	272.653
209	4731636.807	9590521.570	272.704
210	4731640.254	9590521.688	272.660
211	4731639.264	9590532.633	272.682
212	4731635.814	9590532.492	272.682
213	4731632.150	9590532.141	272.673
214	4731631.617	9590531.852	272.703
215	4731627.076	9590544.023	272.603
216	4731630.953	9590544.289	272.653
217	4731634.689	9590544.359	272.654
218	4731638.104	9590544.375	272.628
219	4731641.789	9590541.180	272.730
220	4731637.164	9590555.438	272.636
221	4731633.691	9590555.227	272.604
222	4731630.057	9590554.469	272.606

223	4731629.453	9590554.617	272.671
224	4731628.590	9590569.594	272.443
225	4731632.057	9590569.930	272.527
226	4731635.797	9590570.211	272.527
227	4731634.604	9590582.563	272.402
228	4731630.834	9590582.180	272.446
229	4731627.326	9590581.969	272.406
230	4731626.697	9590582.078	272.444
231	4731626.053	9590595.719	272.379
232	4731629.549	9590595.711	272.335
233	4731633.359	9590596.070	272.337
234	4731636.646	9590607.508	272.349
235	4731632.271	9590607.234	272.242
236	4731628.523	9590606.969	272.263
237	4731624.871	9590607.234	272.281
238	4731624.309	9590607.391	272.283
239	4731621.863	9590605.508	272.345
240	4731623.760	9590619.234	272.218
241	4731627.219	9590619.641	272.131
242	4731631.010	9590620.023	272.131
243	4731629.809	9590632.531	272.029
244	4731626.199	9590632.125	272.076
245	4731622.561	9590632.016	272.123
246	4731621.846	9590632.078	272.149
247	4731621.219	9590646.000	272.056
248	4731624.578	9590646.438	271.970
249	4731628.484	9590646.156	271.949
250	4731633.723	9590645.898	272.190
251	4731640.711	9590654.813	272.223
252	4731629.887	9590657.930	271.991
253	4731628.457	9590655.383	271.997
254	4731627.865	9590652.609	271.995
255	4731627.031	9590659.930	271.918
256	4731623.758	9590659.641	271.839
257	4731619.930	9590659.000	271.879
258	4731619.279	9590659.125	271.930
259	4731618.584	9590672.266	271.780
260	4731621.969	9590673.203	271.731
261	4731625.533	9590678.148	271.784
262	4731628.479	9590673.609	271.836
263	4731635.070	9590674.023	271.880
264	4731639.332	9590677.016	271.890
265	4731638.746	9590669.281	271.946
266	4731627.162	9590682.781	271.795
267	4731622.063	9590683.078	271.700
268	4731620.969	9590692.727	271.640
269	4731623.469	9590692.945	271.641
270	4731624.977	9590690.844	271.680
271	4731626.629	9590690.281	271.722
272	4731626.377	9590692.469	271.813
273	4731627.113	9590687.484	271.737
274	4731631.447	9590684.617	271.772
275	4731645.453	9590682.164	272.013
276	4731645.383	9590684.234	271.858
277	4731645.682	9590689.797	271.858
278	4731646.256	9590691.789	271.898
279	4731617.531	9590683.070	271.688
280	4731616.951	9590684.352	271.687
281	4731614.787	9590684.453	271.682
282	4731614.117	9590683.406	271.635
283	4731606.723	9590683.242	271.523
284	4731606.598	9590685.102	271.542
285	4731606.799	9590690.664	271.509
286	4731607.775	9590693.070	271.494
287	4731614.324	9590692.750	271.742
288	4731614.631	9590690.711	271.760
289	4731615.936	9590691.125	271.686
290	4731616.389	9590692.414	271.650
291	4731620.102	9590692.805	271.657
292	4731623.662	9590708.773	271.474
293	4731620.197	9590708.797	271.485
294	4731616.717	9590708.945	271.518
295	4731614.746	9590723.500	271.317
296	4731616.973	9590723.180	271.293
297	4731620.418	9590723.211	271.291
298	4731624.016	9590723.094	271.285
299	4731624.318	9590722.922	271.335
300	4731627.023	9590720.195	271.310
301	4731624.385	9590738.422	270.970
302	4731621.043	9590738.539	271.019
303	4731617.324	9590738.266	271.027
304	4731617.617	9590751.680	270.839
305	4731620.967	9590751.703	270.837
306	4731624.754	9590751.438	270.838
307	4731625.121	9590751.320	270.874
308	4731624.998	9590767.180	270.536
309	4731621.709	9590767.383	270.535
310	4731617.963	9590767.594	270.564
311	4731618.396	9590784.328	270.212
312	4731621.854	9590784.258	270.169
313	4731625.432	9590784.320	270.208
314	4731625.941	9590784.117	270.313
315	4731625.744	9590795.961	269.979
316	4731622.379	9590796.305	269.978
317	4731618.676	9590796.500	270.022
318	4731617.250	9590817.820	269.804
319	4731619.148	9590818.445	269.613
320	4731622.801	9590817.398	269.639
321	4731626.293	9590817.664	269.657
322	4731626.916	9590817.438	269.768
323	4731628.807	9590816.984	269.776
324	4731626.668	9590834.938	269.264
325	4731623.189	9590835.570	269.211
326	4731619.574	9590835.117	269.245
327	4731619.979	9590850.891	268.959
328	4731623.510	9590850.914	268.956
329	4731627.076	9590850.883	268.992
330	4731627.613	9590851.070	269.034
331	4731627.350	9590865.766	268.689
332	4731623.947	9590866.055	268.614
333	4731620.361	9590866.625	268.645
334	4731620.795	9590885.500	268.227
335	4731624.098	9590885.109	268.163
336	4731627.852	9590884.305	268.179
337	4731628.137	9590884.453	268.275

338	4731628.334	9590897.594	267.922
339	4731624.664	9590897.680	267.939
340	4731621.092	9590897.633	267.962
341	4731621.307	9590907.938	267.716
342	4731620.762	9590909.531	267.667
343	4731619.117	9590910.117	267.683
344	4731619.141	9590908.172	267.716
345	4731613.615	9590909.898	267.660
346	4731611.781	9590908.211	267.700
347	4731610.256	9590913.305	267.611
348	4731619.488	9590918.102	267.552
349	4731619.832	9590916.031	267.619
350	4731621.070	9590916.375	267.561
351	4731621.631	9590917.664	267.520
352	4731624.871	9590917.703	267.491
353	4731628.791	9590916.578	267.544
354	4731629.002	9590915.945	267.554
355	4731630.197	9590915.453	267.494
356	4731629.096	9590916.063	267.576
357	4731631.143	9590917.500	267.501
358	4731640.908	9590917.484	267.346
359	4731640.584	9590915.219	267.268
360	4731640.621	9590909.781	267.391
361	4731640.412	9590907.695	267.545
362	4731630.990	9590907.953	267.677
363	4731630.307	9590909.891	267.559
364	4731629.045	9590908.852	267.557
365	4731628.512	9590906.320	267.689
366	4731624.949	9590908.125	267.733
367	4731629.207	9590933.711	267.081
368	4731625.717	9590934.102	267.100
369	4731622.008	9590934.234	267.034
370	4731622.379	9590949.188	266.711
371	4731625.947	9590949.125	266.766
372	4731629.504	9590948.875	266.792
373	4731629.873	9590948.680	266.840
374	4731629.861	9590964.789	266.412
375	4731626.234	9590964.945	266.367
376	4731622.807	9590965.102	266.378
377	4731623.148	9590982.625	266.017
378	4731626.648	9590982.516	265.943
379	4731630.254	9590982.195	265.907
380	4731630.705	9590982.055	266.008
381	4731630.607	9590999.047	265.425
382	4731627.051	9590999.359	265.472
383	4731623.529	9590999.523	265.601
384	4731621.590	9591014.945	265.315
385	4731623.869	9591014.984	265.165
386	4731627.127	9591015.344	265.065
387	4731630.939	9591015.461	265.098
388	4731631.445	9591015.281	265.183
389	4731633.828	9591013.688	265.143
390	4731631.352	9591031.297	264.738
391	4731627.719	9591031.398	264.648
392	4731624.240	9591031.906	264.699
393	4731624.682	9591048.984	264.363
394	4731628.061	9591048.727	264.226
395	4731631.773	9591048.516	264.283
396	4731632.396	9591048.313	264.326
397	4731632.205	9591065.039	263.933
398	4731628.760	9591065.445	263.915
399	4731625.176	9591065.641	263.966
400	4731625.484	9591081.305	263.753
401	4731628.980	9591081.391	263.586
402	4731632.561	9591081.336	263.631
403	4731633.061	9591081.219	263.713
404	4731632.896	9591097.617	263.368
405	4731629.354	9591097.594	263.377
406	4731625.869	9591097.813	263.440
407	4731626.191	9591114.508	263.171
408	4731629.350	9591114.641	263.114
409	4731633.299	9591114.570	263.083
410	4731633.871	9591114.383	263.179
411	4731633.557	9591125.867	262.983
412	4731629.807	9591126.023	262.919
413	4731626.494	9591126.180	262.988
414	4731626.715	9591137.195	262.845
415	4731630.105	9591137.023	262.764
416	4731633.805	9591136.938	262.857
417	4731634.393	9591136.742	262.930
418	4731634.051	9591147.477	262.685
419	4731630.537	9591147.711	262.688
420	4731626.992	9591147.938	262.730
421	4731627.014	9591153.516	262.634
422	4731629.732	9591153.797	262.579
423	4731634.168	9591155.219	262.500
424	4731637.012	9591154.781	262.381
425	4731636.764	9591156.781	262.404
426	4731635.633	9591157.086	262.354
427	4731637.777	9591157.484	262.305
428	4731645.455	9591154.641	262.120
429	4731645.492	9591157.273	262.072
430	4731646.078	9591162.859	261.879
431	4731645.979	9591166.133	262.003
432	4731639.607	9591162.797	262.133
433	4731635.770	9591164.398	262.271
434	4731634.412	9591167.094	262.321
435	4731636.992	9591166.281	262.230
436	4731630.258	9591165.164	262.306
437	4731627.271	9591164.906	262.379
438	4731625.355	9591166.602	262.573
439	4731619.623	9591166.852	262.689
440	4731620.646	9591162.914	262.528
441	4731620.658	9591157.820	262.612
442	4731619.893	9591155.273	262.803
443	4731625.277	9591155.211	262.680
444	4731627.264	9591157.820	262.483
445	4731627.260	9591163.055	262.369
446	4731627.621	9591176.531	262.187
447	4731630.764	9591176.492	262.089
448	4731634.586	9591176.570	262.112
449	4731635.166	9591184.570	262.126
450	4731634.797	9591184.672	262.091
451	4731631.178	9591184.859	262.056
452	4731627.777	9591184.898	262.087

453	4731628.074	9591197.875	262.013
454	4731631.305	9591198.047	261.918
455	4731635.145	9591197.945	261.958
456	4731635.904	9591209.453	261.873
457	4731635.355	9591209.664	261.770
458	4731632.066	9591209.500	261.753
459	4731628.326	9591209.586	261.857
460	4731628.543	9591223.234	261.652
461	4731631.787	9591223.156	261.589
462	4731635.572	9591223.047	261.534
463	4731636.553	9591235.680	261.453
464	4731635.988	9591235.734	261.386
465	4731632.383	9591235.891	261.369
466	4731628.801	9591236.391	261.511
467	4731638.070	9591241.594	261.262
468	4731636.242	9591241.992	261.314
469	4731637.246	9591243.750	261.271
470	4731638.258	9591244.156	261.220
471	4731638.363	9591248.438	261.111
472	4731638.393	9591249.656	261.171
473	4731636.850	9591248.938	261.221
474	4731636.359	9591250.344	261.198
475	4731632.709	9591250.344	261.228
476	4731629.076	9591250.367	261.330
477	4731629.348	9591260.484	261.235
478	4731632.490	9591260.320	261.118
479	4731636.646	9591260.172	261.119
480	4731637.219	9591259.977	261.173
481	4731639.340	9591273.344	260.980
482	4731636.984	9591273.438	260.982
483	4731633.477	9591273.484	260.966
484	4731629.621	9591273.539	261.077
485	4731627.291	9591273.570	261.162
486	4731629.852	9591287.648	260.892
487	4731633.197	9591287.891	260.795
488	4731637.336	9591287.250	260.804
489	4731637.955	9591287.023	260.923
490	4731637.605	9591298.992	260.593
491	4731633.926	9591299.477	260.587
492	4731630.109	9591299.711	260.820
493	4731630.453	9591312.250	260.565
494	4731633.871	9591312.117	260.464
495	4731637.867	9591311.570	260.422
496	4731638.637	9591311.336	260.549
497	4731638.215	9591324.141	260.321
498	4731634.451	9591324.523	260.362
499	4731630.617	9591324.672	260.458
500	4731640.258	9591241.727	261.166
501	4731640.131	9591244.133	261.125
502	4731640.734	9591248.422	261.061
503	4731640.648	9591249.766	261.146
504	4731639.961	9591338.930	259.938
505	4731638.898	9591338.570	259.933
506	4731638.465	9591337.414	260.047
507	4731639.258	9591338.023	260.023
508	4731640.938	9591334.211	259.843
509	4731634.361	9591339.172	260.157
510	4731629.275	9591335.117	260.450
511	4731630.787	9591337.195	260.301
512	4731629.494	9591339.188	260.393
513	4731627.297	9591339.992	260.496
514	4731619.910	9591335.492	260.689
515	4731620.086	9591340.422	260.884
516	4731618.811	9591343.570	260.849
517	4731619.635	9591346.695	260.804
518	4731620.197	9591351.258	260.648
519	4731630.932	9591343.703	260.309
520	4731628.445	9591347.109	260.433
521	4731630.857	9591349.234	260.338
522	4731629.574	9591350.969	260.336
523	4731632.438	9591351.359	260.264
524	4731634.758	9591350.414	260.213
525	4731636.379	9591350.969	260.161
526	4731637.248	9591348.898	260.068
527	4731640.555	9591350.625	259.886
528	4731639.551	9591347.125	259.904
529	4731649.387	9591350.203	259.556
530	4731651.449	9591346.547	259.415
531	4731651.393	9591343.141	259.389
532	4731651.268	9591338.563	259.508
533	4731651.193	9591334.055	259.641
534	4731636.238	9591364.805	260.001
535	4731634.281	9591364.828	260.028
536	4731632.832	9591364.867	260.021
537	4731632.416	9591377.781	259.983
538	4731634.094	9591377.758	259.917
539	4731635.645	9591378.023	259.869
540	4731640.865	9591378.461	259.676
541	4731629.771	9591387.672	260.276
542	4731632.592	9591392.617	259.718
543	4731634.623	9591392.336	259.694
544	4731636.518	9591392.578	259.658
545	4731640.418	9591422.336	258.994
546	4731632.648	9591423.070	259.379
547	4731633.660	9591420.641	259.460
548	4731637.932	9591420.352	259.202

ОБРАБОТКА НА ДАННИТЕ ОТ ПОЛСКИТЕ ИЗМЕРВАНИЯ

(Програма WDFM - 1990)

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в
с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

ВЪЗЛОЖИТЕЛ: ОБЩИНА ТЕРВЕЛ

ИЗПЪЛНИТЕЛ: ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ ЕООД

Клас на плановата мрежа - 7

Средна квадратна грешка за посока - 40.0

(по преценка на наблюдателя)

Средни квадратни грешки на дължините

$M_s = 5.0 [mm] + 5.0 \cdot S [km] + 0.0 \cdot \sqrt{S [m]}$

Точност на центриране на инструмента - 5.0

Точност на центриране на сигналите - 5.0

Точност на височината на инструмента - 3.0

Точност на височината на сигналите - 5.0

Номер Т.ст. (N)	височ. сигнал (T)	измерени посоки (R)	наклон. разст. (S)	горизонт. разстояния (D)	зенитен ъгъл (Z)	преви- шение (h)
Станция N пт1 (I= 1.480)						
пт2	1.340	100.9679	114.339	114.332	99.3070	1.386
Станция N пт2 (I= 1.531)						
пт1	1.340	49.2781	114.347	114.336	100.8807	-1.390
пт3	1.340	214.4586	140.732	140.695	98.5418	3.416
Станция N пт3 (I= 1.543)						
пт2	1.340	128.5192	140.729	140.682	101.6450	-3.432
пт4	1.340	330.7596	232.195	232.119	98.3720	6.144
лт144	1.340	330.1114	184.383	184.335	98.5430	4.425
Станция N пт4 (I= 1.379)						
пт3	1.340	260.8990	232.189	232.106	101.6996	-6.155
лт144	1.340	263.4028	47.861	47.828	102.3554	-1.731
пт5	1.340	16.2646	170.619	170.600	99.0395	2.615
Станция N пт5 (I= 1.545)						
пт4	1.340	213.1885	170.621	170.598	101.0562	-2.624
пт6	1.340	15.1029	175.311	175.299	99.2633	2.236
Станция N пт6 (I= 1.541)						
пт5	1.336	267.3987	175.315	175.298	100.8888	-2.240
пт7	1.336	67.0228	273.043	272.972	101.4554	-6.031
лт341	1.331	66.1499	112.439	112.405	101.5578	-2.540
Станция N пт7 (I= 1.545)						
пт6	1.340	265.2008	273.031	272.969	98.6459	6.017
пт8	1.340	65.5468	173.908	173.907	99.8641	0.578
лт341	1.340	265.8128	160.616	160.583	98.7038	3.477
Станция N пт8 (I= 1.510)						
пт7	1.340	215.6595	173.909	173.907	100.2752	-0.580
пт9	1.340	15.5052	128.319	128.305	99.0555	2.075
Станция N пт9 (I= 1.670)						
пт10	1.310	234.1758	129.909	129.887	98.8388	2.731
пт8	1.340	58.8804	128.339	128.317	101.1890	-2.066

Номер Т.ст. (N)	височ. сигнал (T)	измерени посоки (R)	наклон. разст. (S)	горизонт. разстояния (D)	зенитен ъгъл (Z)	преви- шение (h)
Станция N пт10 (I= 1.676)						
лт1026	1.310	137.6972	121.958	121.934	98.7400	2.781
пт11	1.310	136.4512	201.401	201.368	98.8438	4.026
пт9	1.310	335.3528	129.932	129.895	101.5212	-2.737
Станция N пт11 (I= 1.678)						
пт10	1.310	326.5922	201.420	201.372	101.3868	-4.017
лт1026	1.310	324.6794	79.500	79.483	101.3014	-1.257
Станция N лт144 (I= 1.550)						
пт3	1.340	277.8100	184.382	184.324	101.6046	-4.434
пт4	1.340	80.9748	47.853	47.829	97.9872	1.723
Станция N лт341 (I= 1.556)						
пт6	1.340	53.1458	112.423	112.399	98.6828	2.543
пт7	1.340	254.6340	160.624	160.581	101.4704	-3.492
Станция N лт1026 (I= 1.705)						
пт11	1.310	136.7600	79.489	79.484	99.3082	1.259
пт10	1.310	339.9122	121.981	121.940	101.6524	-2.770

ВЪВЕЖДАНЕ НА ДАННИТЕ ЗА ПЛАНОВА ГЕОДЕЗИЧЕСКА МРЕЖА

(Програма WDPM-1990)

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
ПОДОбЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

ВЪЗЛОЖИТЕЛ: ОБЩИНА ТЕРВЕЛ

ИЗПЪЛНИТЕЛ: ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ ЕООД

Координатна система - 1970г.

Номер на зоната за коорд.сист.1970 - К - 7

Брой на дадените точки - 10

Брой на новите точки - 4

Брой на всички точки - 14

Брой на измерените посоки - 32

Брой на измерените разстояния - 32

Брой на измерените величини (R+S) - 64

Клас на мрежата - 7

Априорна ср. кв. гр. за посока - 40.0 [сс]

Константи за точността на измерените дължини

$M_s = 5.0[\text{mm}] + 5.0 \cdot S[\text{km}] + 0.0 \cdot \text{SQRT}(S[\text{m}])$

Точност на центриране на инструмента - 5.0 [mm]

Точност на центриране на сигналите - 5.0 [mm]

И з м е р е н и п о с о к и [gra]

от N	към N	посока	към N	посока	към N	посока
пт1	пт2	100.9679				
пт2	пт1	49.2781	пт3	214.4586		
пт3	пт2	128.5192	лт144	330.1114	пт4	330.7596
лт4	пт5	16.2646	пт3	260.8990	лт144	263.4028
пт6	лт341	66.1499	пт7	67.0228	пт5	267.3987
пт7	пт8	65.5468	пт6	265.2008	лт341	265.8128
пт8	пт9	15.5052	пт7	215.6595		
пт9	пт8	58.8804	пт10	234.1758		
пт10	пт11	136.4512	лт1026	137.6972	пт9	335.3528
пт11	лт1026	324.6794	пт10	326.5922		
пт5	пт6	15.1029	пт4	213.1885		
лт144	пт4	80.9748	пт3	277.8100		
лт341	пт6	53.1458	пт7	254.6340		
лт1026	пт11	136.7600	пт10	339.9122		

И з м е р е н и д љ ж и н и [m]

от N	към N	дължина	към N	дължина	към N	дължина
пт1	пт2	114.3278				
пт2	пт1	114.3317	пт3	140.6896		
пт3	пт2	140.6761	пт4	232.1099	лт144	184.3274
пт4	пт3	232.0973	лт144	47.8264	пт5	170.5927
пт6	пт5	175.2906	пт7	272.9608	лт341	112.4008
пт7	пт6	272.9582	пт8	173.9002	лт341	160.5762
пт8	пт7	173.9005	пт9	128.2997		
пт9	пт10	129.8821	пт8	128.3116		
пт10	лт1026	121.9292	пт11	201.3595	пт9	129.8897
пт11	пт10	201.3640	лт1026	79.4801		
пт5	пт4	170.5907	пт6	175.2916		
лт144	пт3	184.3162	пт4	47.8272		
лт341	пт6	112.3944	пт7	160.5748		
лт1026	пт11	79.4811	пт10	121.9351		

С у м и р а н е н а ъ г л и в т р и ъ г љ н и ц и т е

N	NTi	NTk	NTj	ВI	ВK	ВJ	[B]	W
1	пт3	лт144	пт4	0.6482	196.8352	2.5038	199.9872	-128.0
2	пт6	лт341	пт7	0.8729	198.5118	0.6120	199.9967	-33.0
3	пт10	пт11	лт1026	1.2460	1.9128	196.8478	200.0066	66.0

* О ц е н к и о т н е с љ в п а д е н и я т а в *
* т р и ъ г љ н и ц и т е *

* Максимално несъвпадение..... (W-MAX)=-128.0 *
* Минимално несъвпадение..... (W-MIN)= -33.0 *
* Средно аритметично от несъвпаденията...([W]/N)= -31.7 *
* Средно аритметично несъвпадение.....([WI]/N)= 75.7 *
* Средно квадратично несъвпадение...SQRT([WW]/N)= 85.3 *
* Средна квадратна грешка за посока-SQRT([WW]/6N)= 34.8 *

А б р и с и

NT	X. [M]	Y. [M]	O. [GRA]
пт1	4731874.144	9591278.262	272.6037
пт2	4731978.788	9591232.140	124.3016
пт3	4732059.247	9591116.768	10.2451
пт4	4732198.633	9590931.128	280.1018
пт6	4732184.128	9590585.563	230.8606
пт7	4732175.055	9590312.772	232.6843
пт8	4732170.228	9590138.931	282.5698
пт9	4732166.342	9590010.692	39.1900
пт10	4732113.568	9589892.002	138.0099
пт11	4732034.930	9589706.624	147.8669

Средна кв.грешка за посока от абрисите на дадените точки
mг= 58.1[CC] 6

сумиране на включени полигони

Полигон N 1 (2 точки)

от I	към K	ПОЛ.ЪГЪЛ В Т.І	ALFA[GRA]	разст. [M]
пт4	лт144	143.5046	143.5046	47.827
лт144	пт3	196.8352	140.3398	184.322
пт3	Север	59.6435	0.0000	

[B]=		399.9832	Fx= -0.0518	[S]= 232.149
Fb=		-0.0168	Fy= 0.0136	Fs= 0.054
Fbd=		0.0294		Fsd= 0.1630

Полигон N 2 (2 точки)

от I	към K	ПОЛ.ЪГЪЛ В Т.І	ALFA[GRA]	разст. [M]
пт6	пт5	98.2593	98.2593	175.291
пт5	пт4	198.0856	96.3449	170.592
пт4	Север	103.6336	0.0000	

[B]=		399.9785	Fx= -0.0764	[S]= 345.883
Fb=		-0.0215	Fy= 0.0288	Fs= 0.082
Fbd=		0.0294		Fsd= 0.1399

Полигон N 3 (2 точки)

от I	към K	ПОЛ.ЪГЪЛ В Т. I	ALFA[GRA]	разст.[M]
пт7	лт341	98.4971	98.4971	160.576
лт341	пт6	198.5118	97.0089	112.398
пт6	Север	102.9895	0.0000	
[B]= 399.9984 Fx= 0.0035 [S]= 272.973				
Fb= -0.0016 Fy= -0.0133 Fs= 0.014				
Fbd= 0.0294 Fsd= 0.1231				

Полигон N 4 (2 точки)

от I	към K	ПОЛ.ЪГЪЛ В Т. I	ALFA[GRA]	разст.[M]
пт11	лт1026	72.5463	72.5463	79.481
лт1026	пт10	203.1522	75.6985	121.932
пт10	Север	124.2929	0.0000	
[B]= 399.9914 Fx= -0.0075 [S]= 201.413				
Fb= -0.0086 Fy= 0.0183 Fs= 0.020				
Fbd= 0.0294 Fsd= 0.1217				

Пренасяне на ориентировъчните ъгли

N	NT	O[GRA]	N	NT	O[GRA]	N	NT	O[GRA]
1	пт1	272.6037	2	пт2	124.3016	3	пт3	10.2451
4	пт4	280.1018	5	пт6	230.8606	6	пт7	232.6843
7	пт8	282.5698	8	пт9	39.1900	9	пт10	138.0099
10	пт11	147.8669	11	лт144	262.5381	12	пт5	283.1671
13	лт341	43.8639	14	лт1026	135.7906			

Средна кв.грешка за посока от пренасянето на ориентировъчните ъгли
 $m_r = 101.2[cc]$

П р и б л и з и т е л н и к о о р д и н а т и

NT	X	Y	O	определена	от точки	чрез
лт144	4732168.42	9590968.26	262.5381	пт3		пр.задача
пт5	4732188.90	9590760.81	283.1671	пт4		пр.задача
лт341	4732178.85	9590473.29	43.8639	пт6		пр.задача
лт1026	4732068.16	9589778.84	135.7906	пт10		пр.задача

Средна квадратична стойност на големината на свободните членове за посока:
 $f_r = 92.[cc] \quad 18$

РЕЗУЛТАТИ ОТ ИЗРАВНЕНИЕТО

Дименсии:

посоки и ъгли - градуси

поправки и средни квадратни грешки за посоки и ъгли - сантимантигради

разстояния и координати - метри

поправки и средни квадратни грешки за разстояния и координати - милиметри

Ст а н ц и я N пт1 (Дадена - измерени 1 посоки и 1 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт2	100.96790	0.0	373.57160	0.0	114.3574	0.0	0.0
пт2	114.32783	29.5	373.57160	0.0	114.3574	0.0	16.5

Ст а н ц и я N пт2 (Дадена - измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт1	49.27810	-85.6	173.57160	0.0	114.3574	0.0	64.8
пт3	214.45860	76.1	338.76827	0.0	140.6568	0.0	57.6
пт1	114.33170	25.7	173.57160	0.0	114.3574	0.0	16.5
пт3	140.68959	-32.7	338.76827	0.0	140.6568	0.0	16.6

Ст а н ц и я N пт7 (Дадена - измерени 3 посоки и 3 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт8	65.54680	24.2	298.23277	0.0	173.9080	0.0	65.0
пт6	265.20080	-9.6	97.88339	0.0	272.9418	0.0	59.7
лт341	265.81280	-14.0	98.49495	38.3	160.5687	8.3	62.3
пт6	272.95817	-16.3	97.88339	0.0	272.9418	0.0	17.4
пт8	173.90020	7.8	298.23277	0.0	173.9080	0.0	16.8
лт341	160.57623	-7.6	98.49495	38.3	160.5687	8.3	14.5

Ст а н ц и я N лт341 (Нова - измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт6	53.14580	16.0	97.00967	54.7	112.3912	8.3	42.5
пт7	254.63400	-13.2	298.49495	38.3	160.5687	8.3	35.2
пт6	112.39439	-3.2	97.00967	54.7	112.3912	8.3	14.2
пт7	160.57476	-6.1	298.49495	38.3	160.5687	8.3	14.5

Ст а н ц и я N пт6 (Дадена - измерени 3 посоки и 3 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
лт341	66.14990	-39.6	297.00967	54.7	112.3912	8.3	64.3
пт7	67.02280	-31.4	297.88339	0.0	272.9418	0.0	55.5
пт5	267.39870	66.8	98.26911	44.5	175.3038	8.4	57.0
пт5	175.29058	13.2	98.26911	44.5	175.3038	8.4	14.6
пт7	272.96081	-19.0	297.88339	0.0	272.9418	0.0	17.4

лт341	112.40083	-9.7	297.00967	54.7	112.3912	8.3	14.2
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Станция N пт5 (Нова - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт6	15.10290	-45.0	298.26911	44.5	175.3038	8.4	34.5
пт4	213.18850	45.4	96.36375	45.7	170.6042	8.4	34.9
пт4	170.59073	13.5	96.36375	45.7	170.6042	8.4	14.5
пт6	175.29164	12.2	298.26911	44.5	175.3038	8.4	14.6

Станция N пт4 (Дадена - измерени 3 посоки и 3 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт5	16.26460	-18.9	296.36375	45.7	170.6042	8.4	54.7
пт3	260.89900	7.4	141.00078	0.0	232.1436	0.0	52.1
лт144	263.40280	32.2	143.50705	95.7	47.8466	8.2	102.4
пт3	232.09725	46.4	141.00078	0.0	232.1436	0.0	17.1
лт144	47.82639	20.2	143.50705	95.7	47.8466	8.2	13.8
пт5	170.59270	11.5	296.36375	45.7	170.6042	8.4	14.5

Станция N лт144 (Нова - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт4	80.97480	-62.3	343.50705	95.7	47.8466	8.2	83.1
пт3	277.81000	19.5	140.35043	24.9	184.3437	8.2	26.2
пт3	184.31621	27.5	140.35043	24.9	184.3437	8.2	14.7
пт4	47.82718	19.4	343.50705	95.7	47.8466	8.2	13.8

Станция N пт3 (Дадена - измерени 3 посоки и 3 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт2	128.51920	62.3	138.76827	0.0	140.6568	0.0	69.6
лт144	330.11140	-38.0	340.35043	24.9	184.3437	8.2	62.7
пт4	330.75960	-16.6	341.00078	0.0	232.1436	0.0	61.3
пт2	140.67612	-19.3	138.76827	0.0	140.6568	0.0	16.6
пт4	232.10987	33.8	341.00078	0.0	232.1436	0.0	17.1
лт144	184.32742	16.3	340.35043	24.9	184.3437	8.2	14.7

Станция N пт8 (Дадена - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт9	15.50520	-37.4	298.07146	0.0	128.2979	0.0	62.9
пт7	215.65950	32.7	98.23277	0.0	173.9080	0.0	54.9
пт7	173.90048	7.5	98.23277	0.0	173.9080	0.0	16.8
пт9	128.29969	-1.8	298.07146	0.0	128.2979	0.0	16.5

Станция N пт9 (Дадена - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт8	58.88040	10.5	98.07145	0.0	128.2979	0.0	61.0
лт10	234.17580	-10.4	273.36476	0.0	129.8938	0.0	60.5
пт10	129.88209	11.8	273.36476	0.0	129.8938	0.0	16.5
пт8	128.31155	-13.7	98.07145	0.0	128.2979	0.0	16.5

Станция N пт11 (Дадена - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
лт1026	324.67940	15.9	72.54881	63.7	79.4876	8.2	71.8
пт10	326.59220	-9.4	74.45908	0.0	201.3677	0.0	41.5
пт10	201.36400	3.7	74.45908	0.0	201.3677	0.0	17.0
лт1026	79.48012	7.5	72.54881	63.7	79.4876	8.2	14.0

Станция N лт1026 (Нова - измерени 2 посоки и 2 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт11	136.76000	-18.7	272.54881	63.7	79.4876	8.2	49.8
пт10	339.91220	13.3	75.70421	41.5	121.9392	8.2	35.5
пт11	79.48111	6.5	272.54881	63.7	79.4876	8.2	14.0
лт10	121.93511	4.1	75.70421	41.5	121.9392	8.2	14.3

Станция N пт10 (Дадена - измерени 3 посоки и 3 дължини)							
къл N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	Ms	Mv
пт11	136.45120	-10.2	274.45908	0.0	201.3677	0.0	60.7
лт1026	137.69720	-18.9	275.70421	41.5	121.9392	8.2	66.8
пт9	335.35280	30.6	73.36476	0.0	129.8938	0.0	69.7
лт1026	121.92915	10.0	275.70421	41.5	121.9392	8.2	14.3
пт11	201.35953	8.1	274.45908	0.0	201.3677	0.0	17.0
пт9	129.88973	4.1	73.36476	0.0	129.8938	0.0	16.5

* [PFF. 22]= 224615.3 [PVV]= 224617.3 [V]= 184.7 V-MAX= -85.6 *
* ME= 73.13 *

Регистър на дадените точки

N	Име	X [m]	Y [m]
1	пт1	4731874.1440	9591278.2620
2	пт2	4731978.7880	9591232.1400
3	пт3	4732059.2470	9591116.7680
4	пт4	4732198.6330	9590931.1280
5	пт6	4732184.1280	9590585.5630
6	пт7	4732175.0550	9590312.7720
7	пт8	4732170.2280	9590138.9310
8	пт9	4732166.3420	9590010.6920
9	пт10	4732113.5680	9589892.0020
10	пт11	4732034.9300	9589706.6240

Регистър на новите точки

N	Име	X [m]	Mx [mm]	Y [m]	My [mm]	Ms [mm]
1	пт5	4732188.8937	12.3	9590760.8020	8.4	14.9
2	лт144	4732168.4208	7.7	9590968.2295	7.8	10.9
3	лт341	4732178.8507	9.7	9590473.2958	8.3	12.7
4	лт1026	4732068.1529	8.0	9589778.8356	8.1	11.4

***** ОБРАБОТКА НА ТРИГОНОМЕТРИЧНА НИВЕЛАЦИЯ *****

(Програма WDNM - 1990)

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в
с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

ВЪЗЛОЖИТЕЛ: ОБЩИНА ТЕРВЕЛ

ИЗПЪЛНИТЕЛ: ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ ЕООД

дименсии:

- разстояния и височини на сигнали в метри;
- несъвпадения, поправки и грешки в милиметри;
- зенитните ъгли в гради, а точността им в сантисатгради;
- хоризонталните разстояния се задават със знак минус.

Брой на всички точки - 14 .

Брой на измерените превисения - 32 .

Клас на мрежата - 7 .

Априорна стойност на ср. кв.грешка $M_z = 60. [cc]$

Точност на височината на инструмента $M_i = 3. [cc]$

Точност на височината на сигнала $M_t = 5. [cc]$

Константи за определяне точността на разстоянията

$M_s = 5.0 [mm] + 5.0 * S [km] + 0.0 * \sqrt{S [m]}$

Входни данни. Прави и обратни превиишения. Разлики (V-v мм)

от N	към N	I(i)	T(k)	S(ik)	Z(ik)	DH(ik)	DH(ki)	V
пт1	пт2	1.480	1.340	114.339	99.3070	1.386	-1.390	-4.4
пт2	пт1	1.531	1.340	114.347	100.8807	-1.390	1.386	-4.4
пт2	пт3	1.531	1.340	140.732	98.5416	3.416	-3.432	-16.0
пт3	пт2	1.543	1.340	140.729	101.6450	-3.432	3.416	-16.0
пт3	пт4	1.543	1.340	232.195	98.3720	6.144	-6.155	-11.4
пт3	лт144	1.543	1.340	184.383	98.5430	4.425	-4.434	-9.6
пт4	пт3	1.379	1.340	232.189	101.6996	-6.155	6.144	-11.4
пт4	лт144	1.379	1.340	47.861	102.3554	-1.731	1.723	-8.3
пт4	пт5	1.379	1.340	170.619	99.0395	2.615	-2.624	-8.4
пт5	пт4	1.545	1.340	170.621	101.0562	-2.624	2.615	-8.4
пт5	лт6	1.545	1.340	175.311	99.2633	2.236	-2.240	-4.6
пт6	пт5	1.541	1.336	175.315	100.8888	-2.240	2.236	-4.6
пт6	пт7	1.541	1.336	273.043	101.4554	-6.031	6.017	-14.2
пт6	лт341	1.541	1.331	112.439	101.5578	-2.540	2.543	2.6
пт7	пт6	1.545	1.340	273.031	98.6459	6.017	-6.031	-14.2
пт7	пт8	1.545	1.340	173.908	99.8641	0.578	-0.580	-1.3
пт7	лт341	1.545	1.340	160.616	98.7038	3.477	-3.492	-15.0
лт8	пт7	1.510	1.340	173.909	100.2752	-0.580	0.578	-1.3
лт8	пт9	1.510	1.340	128.319	99.0555	2.075	-2.066	9.2
лт9	пт10	1.670	1.310	129.909	98.8388	2.731	-2.737	-6.7
лт9	лт8	1.670	1.340	128.339	101.1890	-2.066	2.075	9.2
пт10	лт1026	1.676	1.310	121.958	98.7400	2.781	-2.770	11.0
пт10	пт11	1.676	1.310	201.401	98.8438	4.026	-4.017	9.9
пт10	лт9	1.676	1.310	129.932	101.5212	-2.737	2.731	-6.7
пт11	пт10	1.678	1.310	201.420	101.3868	-4.017	4.026	9.9
пт11	лт1026	1.678	1.310	79.500	101.3014	-1.257	1.259	2.6
лт144	пт3	1.550	1.340	184.382	101.6046	-4.434	4.425	-9.6
лт144	пт4	1.550	1.340	47.853	97.9872	1.723	-1.731	-8.3
лт341	пт6	1.556	1.340	112.423	98.6828	2.543	-2.540	2.6
лт341	пт7	1.556	1.340	160.624	101.4704	-3.492	3.477	-15.0
лт1026	пт11	1.705	1.310	79.489	99.3082	1.259	-1.257	2.6
лт1026	пт10	1.705	1.310	121.981	101.6524	-2.770	2.781	11.0

Средна дължина (приета за ед. тежест) $S_{cp} = 153. [m]$
 Априорна ср. кв. грешка за единица тежест (от зададените
 точности на измерените величини) $M_e = 15.5 [mm]$
 Средна квадратна грешка за единица тежест (от разликите
 в двустранно измерените превиишения) $M_e = 7.0 [mm]$
 Брой на двустранно измерените превиишения - 32

Брой на еквивалентните превиишения - 16

Брой на дадените точки - 8

Брой на новите точки - 6

Брой на всички точки - 14

Еквивалентни величини

от номер	към номер	еквивалентно превиишение	обр.теж. 1/p	от номер	към номер	еквивалентно превиишение	обр.теж. 1/p
пт1	пт2	1.3877	0.311	пт3	пт4	6.1496	1.060
пт3	лт144	4.4297	0.695	пт5	пт6	2.2381	0.635
пт7	пт6	6.0243	1.440	пт7	пт8	0.5790	0.626
пт7	лт341	3.4843	0.544	пт9	пт10	2.7339	0.380
пт10	лт1026	2.7752	0.344	пт10	пт11	4.0215	0.815
пт2	пт3	3.4236	0.434	пт4	пт5	2.6194	0.605
пт8	пт9	2.0703	0.373	лт144	пт4	1.7270	0.112
лт341	пт6	2.5415	0.303	лт1026	пт11	1.2579	0.186

Сумиране на нивелачни ходове

номер Nt	измерено превиишение	номер Nt	измерено превиишение	номер Nt	измерено превиишение	номер Nt
Нивелачен ход номер : 1 (затворен)						
пт3	4.4297	лт144	1.7270	пт4	-6.1496	пт3
W= 7.1	[1/p]= 1.867	[p*W]= 5.2	W.dop= 63.7			
Нивелачен ход номер : 2 (затворен)						
пт6	-2.5415	лт341	-3.4843	пт7	6.0243	пт6
W= -1.5	[1/p]= 2.286	[p*W]= -1.0	W.dop= 70.5			
Нивелачен ход номер : 3 (затворен)						
пт10	4.0215	пт11	-1.2579	лт1026	-2.7752	пт10
W= -11.7	[1/p]= 1.345	[p*W]= -10.1	W.dop= 54.1			
Нивелачен ход номер : 4 (включен)						
пт3	-3.4236	пт2	-1.3877	пт1		
W= -3.3	[1/p]= 0.745	[p*W]= -3.8	W.dop= 40.2			
Нивелачен ход номер : 5 (включен)						
пт5	-2.6194	пт4	-6.1496	пт3		
W= 6.0	[1/p]= 1.666	[p*W]= 4.7	W.dop= 60.2			
Нивелачен ход номер : 6 (включен)						
пт7	3.4843	лт341	2.5415	пт6		
W= 5.8	[1/p]= 0.847	[p*W]= 6.3	W.dop= 42.9			
Нивелачен ход номер : 7 (включен)						
пт9	-2.0703	пт8	-0.5790	пт7		
W= -25.3	[1/p]= 0.999	[p*W]= -25.3	W.dop= 46.6			
Нивелачен ход номер : 8 (включен)						
пт11	-1.2579	лт1026	-2.7752	пт10		
W= 7.9	[1/p]= 0.530	[p*W]= 10.8	W.dop= 34.0			

Предварителна оценка на точността от несъвпаденията в нивелачните ходове

[PWW]= 961.0	[IPWI]= 67.2	[PW]= -9.9
максимално несъвпадение		W-MAX= -25.3
минимално несъвпадение		W-MIN= -1.5
ср. квадратна грешка за ед. тежест		ME= 11.0
ср. аритметична грешка за ед. тежест		S= 8.4
ср. аритметична стойност на <PW>		[PW]/N= -1.2

* Брой на всички нивелачни ходове N= 8 *

Изчисляване на приблизителните коти на реперите.

Контрол на свободните членове

От	I	H(i)	към K	H(k)	DH(ik)	F(ik)	Fdop
пт1	254.5420	пт2	255.9297	1.3877	0.0000	0.0433	
пт3	259.3500	пт2	255.9297	-3.4236	0.0033	0.0512	
пт3	259.3500	пт4	265.4996	6.1496	0.0000	0.0800	
пт3	259.3500	лт144	263.7797	4.4297	0.0000	0.0648	
пт5	268.1250	пт4	265.4996	-2.6194	-0.0060	0.0605	
пт5	268.1250	пт6	270.3630	2.2381	-0.0001	0.0619	
пт6	270.3630	пт7	264.3430	-6.0243	0.0043	0.0933	
пт6	270.3630	лт341	267.8215	-2.5415	0.0000	0.0428	
пт7	264.3430	пт8	264.9220	0.5790	0.0000	0.0615	
пт7	264.3430	лт341	267.8215	3.4843	-0.0058	0.0573	
пт9	266.9670	пт8	264.9220	-2.0703	0.0253	0.0475	
пт9	266.9670	пт10	269.7010	2.7339	0.0001	0.0479	
пт10	269.7010	лт1026	272.4762	2.7752	0.0000	0.0456	
пт10	269.7010	пт11	273.7420	4.0215	0.0195	0.0702	
пт11	273.7420	лт1026	272.4762	-1.2579	-0.0079	0.0336	
пт4	265.4996	лт144	263.7797	-1.7270	0.0071	0.0261	

РЕЗУЛТАТИ ОТ ИЗРАВНЕНИЕТО ЗА ПРЕВИШЕНИЯТА

номер по ред	от номер	към номер	измерено превииение	поправка V [MM]	изравнено превииение	ср.кв. грешка	тежест P	q 1:P
1	пт1	пт2	1.3877	-1.38	1.3863	4.89	3.22	0.31
2	пт3	пт2	-3.4236	1.94	-3.4217	4.89	2.30	0.43
3	пт3	пт4	6.1496	4.88	6.1545	5.87	0.94	1.06
4	пт3	лт144	4.4297	-1.90	4.4278	6.19	1.44	0.69
5	пт5	пт4	-2.6194	-1.14	-2.6205	5.87	1.65	0.61
6	пт5	пт6	2.2381	-0.09	2.2380	0.00	1.57	0.64
7	пт6	пт7	-6.0243	4.28	-6.0200	0.00	0.69	1.44
8	пт6	лт341	-2.5415	2.07	-2.5394	5.07	3.31	0.30
9	пт7	пт8	0.5790	-15.82	0.5632	5.56	1.60	0.63
10	пт7	лт341	3.4843	-3.73	3.4806	5.07	1.84	0.54
11	пт9	пт8	-2.0703	9.43	-2.0608	5.56	2.68	0.37
12	пт9	пт10	2.7339	0.08	2.7340	0.00	2.63	0.38
13	пт10	лт1026	2.7752	5.11	2.7803	4.00	2.91	0.34
14	пт10	пт11	4.0215	19.55	4.0410	0.00	1.23	0.82
15	пт11	лт1026	-1.2579	-2.78	-1.2607	4.00	5.36	0.19
16	пт4	лт144	-1.7270	0.32	-1.7267	3.67	8.90	0.11

ОЦЕНКА НА ТОЧНОСТТА

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*
*
* [PFF. 6]= 1322.35 [PVV]= 1322.35 V-MAX= 19.55 V-MIN= 0.08
*
* ME= 11.499
*
*
* Средни квадратни грешки за единица тежест (разстояние - 153. м.)*
* Изчислена от точността на измерените величини - 15.55
* Изчислена от двустранно измерените превииения - 6.96
* Изчислена от несъвпаденията в затворените ход. - 10.96
* Изчислена от несъвпаденията във включен. ход. - 10.96
* Изчислена от изравнението по MNMK - 11.50

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СПРАВОЧЕН РЕГИСТЪР НА РЕПЕРИТЕ

номер по ред	номер репер	надморска височина	ср.кв. грешка	номер по ред	номер репер	надморска височина	ср.кв. грешка
1	пт1	254.5420	0.00	2	пт3	259.3500	0.00
3	пт5	268.1250	0.00	4	пт6	270.3630	0.00
5	пт7	264.3430	0.00	6	пт9	266.9670	0.00
7	пт10	269.7010	0.00	8	пт11	273.7420	0.00
9	пт2	255.9283	4.89	10	пт4	265.5045	5.87
11	пт8	264.9062	5.56	12	лт144	263.7778	6.19
13	лт341	267.8236	5.07	14	лт1026	272.4813	4.00

Г Е О Д Е З И Ч Е С К А С Н И М К А

(ПРОГРАМА "OGSN", ВИАС,СОФИЯ - 1990.)

ИЗЧИСЛЯВАНЕ КООРДИНАТИТЕ НА ПОДРОБНИТЕ ТОЧКИ

ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в
с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

↓
ВИСОЧИННА СИСТЕМА: -

КООРДИНАТНА СИСТЕМА : - 1970 г. , ЗОНА: 7

РЕДУКЦИОННИ ЧИСЛА: ХО= 4700000. , УО= 9500000.

ВЪЗЛОЖИТЕЛ: ОБЩИНА ТЕРВЕЛ

ИЗПЪЛНИТЕЛ: ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ ЕООД

СТАНЦИЯ пт1 - G (I= 1.480) ЕОТ											
NT	X		Y		H		O		V		
пт2	31978.79		91232.14		255.93		272.60		0.00		
пт2	31978.79		91232.14		255.93		272.61		0.00		
пт1	31874.14		91278.27		254.54		272.60				
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт2	1.34	100.97	99.31	114.34	114.33	31978.77	91232.16	255.93	0.02	-0.02	0.00
пт2	1.34	100.96	99.31	114.34	114.33	31978.76	91232.15	255.92	0.03	-0.01	0.01
1	1.34	391.85	98.74	15.00	14.99	31866.20	91265.55	254.98			
2	1.60	5.02	97.84	15.72	15.71	31868.73	91263.52	254.96			
3	1.34	21.02	98.82	16.20	16.20	31872.53	91262.16	254.98			
4	1.34	34.53	99.42	17.33	17.33	31876.08	91261.05	254.84			
5	1.34	43.05	99.96	18.76	18.76	31878.71	91260.07	254.69			
6	1.34	55.69	100.48	10.74	10.74	31878.76	91268.57	254.60			
7	1.34	60.89	100.67	10.41	10.41	31879.37	91269.27	254.57			
8	1.34	66.19	100.84	10.94	10.94	31880.40	91269.30	254.54			
9	1.34	59.49	100.93	13.83	13.83	31880.82	91266.16	254.48			
10	1.34	35.62	99.92	8.35	8.35	31875.22	91269.99	254.69			
11	1.34	5.08	100.14	7.14	7.14	31871.69	91271.56	254.67			
12	1.34	202.51	105.13	5.32	5.30	31876.16	91283.16	254.25			
13	1.34	163.68	103.79	6.55	6.54	31879.65	91281.80	254.29			
14	1.34	147.55	103.09	9.89	9.88	31883.54	91281.34	254.20			
15	1.34	135.51	102.97	9.49	9.48	31883.55	91279.47	254.24			
16	1.34	119.98	102.44	11.56	11.55	31885.62	91276.93	254.24			
17	1.34	123.70	101.12	11.23	11.23	31885.35	91277.62	254.48			
18	1.34	127.35	102.13	12.04	12.04	31886.18	91278.26	254.28			
19	1.34	162.14	102.73	18.70	18.68	31890.11	91287.96	253.88			
20	1.34	173.44	102.54	16.47	16.45	31886.48	91289.16	254.02			
21	1.34	186.82	102.57	15.01	14.99	31883.07	91290.31	254.08			
22	1.34	203.78	102.97	14.39	14.38	31879.36	91291.66	254.01			
23	0.05	215.36	107.36	16.78	16.66	31877.28	91294.63	254.04			
24	1.34	75.29	100.81	13.69	13.69	31883.50	91268.27	254.51			
25	1.34	105.09	101.04	22.38	22.38	31895.16	91270.59	254.32			
26	1.34	104.20	100.83	25.39	25.39	31897.86	91269.22	254.35			
27	1.34	104.07	100.61	28.75	28.75	31900.98	91267.97	254.40			
28	1.34	108.33	100.68	30.88	30.87	31903.64	91269.16	254.35			
29	1.34	112.48	100.71	32.28	32.28	31905.54	91270.77	254.32			
30	1.34	110.17	100.59	29.73	29.73	31902.79	91270.32	254.40			
31	1.34	98.39	100.53	28.40	28.40	31899.65	91265.77	254.45			
32	1.34	91.77	100.41	28.84	28.84	31898.58	91262.96	254.50			
33	1.34	96.51	100.37	44.08	44.08	31913.13	91257.71	254.42			
34	1.34	100.08	100.49	42.77	42.76	31913.03	91260.48	254.35			
35	1.34	103.27	100.35	43.28	43.27	31914.35	91262.26	254.44			
36	1.34	104.21	100.26	43.78	43.78	31915.06	91262.67	254.51			
37	1.34	106.32	100.33	40.34	40.34	31912.29	91265.16	254.47			
38	1.34	111.01	100.51	38.69	38.69	31911.56	91268.42	254.37			
39	1.34	111.18	100.58	35.25	35.25	31908.26	91269.39	254.36			
40	1.34	108.88	100.18	49.05	49.05	31921.13	91264.20	254.54			
41	1.34	104.13	100.14	56.81	56.81	31927.20	91257.97	254.56			
42	1.34	101.35	100.19	57.19	57.19	31926.61	91255.52	254.51			
43	1.34	98.24	100.07	57.85	57.85	31926.04	91252.69	254.61			
44	1.34	99.45	99.88	72.76	72.76	31940.01	91247.34	254.82			
45	1.34	101.90	99.92	72.46	72.45	31940.86	91250.02	254.77			
46	1.34	104.16	99.87	72.47	72.47	31941.84	91252.40	254.83			
47	1.34	104.06	99.66	84.86	84.86	31953.37	91247.86	255.14			
48	1.34	102.14	99.74	84.88	84.88	31952.43	91245.47	255.02			
49	1.34	99.94	99.70	85.11	85.11	31951.46	91242.69	255.09			
50	1.34	95.16	100.09	58.66	58.66	31925.44	91249.81	254.60			
51	1.34	100.15	99.54	98.41	98.41	31963.67	91237.42	255.39			
52	1.34	101.84	99.58	98.41	98.41	31964.73	91239.81	255.33			
53	1.34	103.69	99.47	98.42	98.42	31965.82	91242.46	255.50			

СТАНЦИЯ пт2 - G (I= 1.531) ЕОТ											
NT	X	Y	H	O	V						
пт1	31874.14	91278.27	254.54	124.29	0.01						
пт1	31874.14	91278.27	254.54	124.29	0.01						
пт3	32059.25	91116.77	259.35	124.31	-0.01						
пт3	32059.25	91116.77	259.35	124.31	-0.01						
пт2	31978.79	91232.14	255.93	124.30							
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт1	1.34	49.28	100.88	114.35	114.34	31874.16	91278.24	254.54	-0.01	0.02	0.00
пт1	1.34	49.28	100.88	114.35	114.34	31874.16	91278.24	254.53	-0.01	0.02	0.01
пт3	1.34	214.46	98.54	140.74	140.70	32059.26	91116.73	259.35	-0.01	0.04	0.00
пт3	1.34	214.46	98.55	140.73	140.69	32059.24	91116.73	259.33	0.00	0.04	0.02
54	1.34	392.68	102.22	9.82	9.81	31976.20	91241.60	255.78			
55	1.34	22.20	102.51	8.18	8.17	31973.34	91238.23	255.80			
56	1.34	42.64	104.26	8.01	7.99	31971.85	91236.10	255.58			
57	1.34	64.26	103.33	8.94	8.93	31970.00	91233.73	255.65			
58	1.34	89.46	102.23	8.42	8.42	31970.57	91230.34	255.82			
59	1.34	61.82	102.63	21.86	21.84	31957.47	91236.86	255.22			
60	1.34	59.63	102.25	32.14	32.12	31947.69	91240.16	254.99			
61	1.34	148.35	101.20	7.70	7.70	31975.58	91225.15	255.97			
62	1.34	155.56	102.92	5.12	5.12	31977.20	91227.28	255.88			
63	1.34	183.28	105.16	3.04	3.03	31979.15	91229.14	255.87			
64	1.34	254.08	102.05	2.64	2.64	31981.27	91231.27	256.03			
65	1.34	283.70	100.25	4.21	4.21	31982.97	91232.67	256.10			
66	1.34	222.59	99.42	15.95	15.95	31989.50	91220.33	256.27			
67	1.34	212.41	99.98	15.81	15.81	31987.40	91218.89	256.12			
68	1.34	199.24	99.50	16.40	16.40	31984.71	91216.05	256.25			
69	1.34	206.69	98.80	29.42	29.42	31992.55	91206.14	256.68			
70	1.34	212.62	99.14	29.25	29.25	31994.82	91207.67	256.52			
71	1.34	219.30	98.78	29.28	29.28	31997.31	91209.47	256.68			
72	1.34	218.11	98.79	41.60	41.59	32004.49	91199.45	256.91			
73	1.34	214.03	98.90	41.63	41.62	32002.36	91197.84	256.84			
74	1.34	209.34	98.81	41.94	41.93	31999.93	91195.93	256.90			
75	1.34	211.01	98.71	55.65	55.64	32008.09	91184.84	257.24			
76	1.34	214.43	98.83	55.43	55.42	32010.46	91186.66	257.14			
77	1.34	217.49	98.61	55.61	55.60	32012.72	91188.10	257.33			
78	1.34	219.46	98.58	62.38	62.36	32018.36	91183.94	257.51			
79	1.34	217.13	98.55	67.77	67.75	32019.83	91178.25	257.67			
80	1.34	214.72	98.68	67.67	67.65	32017.70	91176.80	257.53			
81	1.34	211.82	98.67	67.81	67.80	32015.22	91174.97	257.53			
82	1.34	210.26	98.66	67.64	67.62	32013.73	91174.24	257.55			
83	1.34	212.41	98.55	80.36	80.33	32022.58	91164.80	257.95			
84	1.34	214.37	98.58	80.34	80.32	32024.63	91166.20	257.91			
85	1.34	216.90	98.49	80.32	80.29	32027.20	91168.09	258.02			
86	1.34	216.63	98.45	92.89	92.86	32034.46	91157.82	258.37			

87	1.34	214.75	98.57	92.59	92.56	32032.07	91156.46	258.19
88	1.34	212.88	98.49	92.64	92.62	32029.86	91154.88	258.32

СТАНЦИЯ пт3 - G (I= 1.543) ЕОТ

NT	X	Y	H	O	V						
пт2	31978.79	91232.14	255.93	10.25	0.00						
пт2	31978.79	91232.14	255.93	10.25	-0.01						
пт4	32198.63	90931.13	265.50	10.24	0.00						
пт4	32198.63	90931.13	265.50	10.24	0.00						
лт144	32168.42	90968.23	263.78	10.24	0.00						
пт3	32059.25	91116.77	259.35	10.24							
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт2	1.34	128.52	101.64	140.73	140.68	31978.78	91232.16	255.92	0.01	-0.02	0.00
пт2	1.34	128.52	101.65	140.73	140.68	31978.79	91232.17	255.91	0.00	-0.03	0.02
пт4	1.34	330.76	98.37	232.19	232.12	32198.62	90931.16	265.49	0.01	-0.03	0.01
пт4	1.34	330.76	98.37	232.20	232.12	32198.63	90931.16	265.49	0.01	-0.03	0.02
лт144	1.34	330.11	98.54	184.38	184.33	32168.43	90968.25	263.77	0.00	-0.02	0.01
89	1.34	132.28	101.67	35.45	35.44	32037.30	91144.59	258.62			
90	1.34	127.35	101.77	35.03	35.02	32039.75	91145.85	258.58			
91	1.34	122.25	101.42	35.53	35.52	32041.89	91147.77	258.76			
92	1.34	117.84	101.52	22.10	22.10	32049.81	91136.75	259.03			
93	1.34	125.48	101.90	21.62	21.61	32047.75	91135.06	258.91			
94	1.34	133.95	101.79	21.61	21.60	32045.43	91133.37	258.95			
95	1.34	152.78	100.75	9.18	9.18	32051.57	91121.80	259.44			
96	1.34	140.52	102.61	8.49	8.48	32053.18	91122.69	259.21			
97	1.34	121.98	102.96	8.31	8.30	32055.22	91124.02	259.17			
98	1.34	99.80	101.85	9.09	9.08	32057.82	91125.73	259.29			
99	1.34	88.23	101.85	9.92	9.92	32059.48	91126.68	259.26			
100	1.34	152.25	103.17	4.43	4.43	32055.57	91119.23	259.33			
101	1.34	184.55	102.12	13.23	13.22	32046.07	91117.84	259.11			
102	1.34	205.87	102.62	10.91	10.90	32048.70	91114.04	259.10			
103	1.34	213.16	102.94	10.76	10.75	32049.21	91112.91	259.06			
104	1.34	223.38	102.70	10.46	10.45	32050.22	91111.51	259.11			
105	1.34	238.98	102.57	12.52	12.51	32050.29	91108.03	259.05			
106	1.34	242.90	103.09	9.07	9.06	32053.16	91110.05	259.11			
107	1.34	222.39	103.83	5.81	5.80	32054.19	91113.92	259.20			
108	1.34	231.32	104.34	3.89	3.88	32056.16	91114.41	259.29			
109	1.34	298.30	102.69	3.13	3.13	32059.66	91113.67	259.42			
110	1.34	165.84	104.67	2.77	2.76	32056.68	91117.78	259.35			
111	1.34	352.03	102.90	3.60	3.59	32062.22	91114.77	259.39			
112	1.34	387.12	101.29	5.21	5.21	32064.45	91116.55	259.45			
113	1.34	343.95	99.26	18.28	18.27	32072.99	91104.73	259.76			
114	1.34	334.17	99.71	18.30	18.30	32071.00	91102.74	259.64			
115	1.34	324.59	99.61	18.07	18.07	32068.65	91101.34	259.66			
116	1.34	313.68	99.96	18.24	18.24	32065.94	91099.80	259.56			
117	1.34	300.30	100.17	19.61	19.61	32062.48	91097.43	259.50			
118	1.20	319.87	99.51	31.21	31.21	32073.47	91088.98	259.93			
119	1.34	322.38	99.28	31.02	31.02	32074.46	91089.73	259.91			
120	1.34	326.73	98.99	30.89	30.89	32076.19	91090.95	260.04			
121	1.34	332.63	99.16	30.97	30.97	32078.56	91092.56	259.96			
122	1.34	337.99	98.91	31.29	31.29	32080.75	91094.04	260.09			
123	1.34	335.62	98.68	44.61	44.60	32088.67	91083.25	260.48			
124	1.34	331.68	98.76	44.60	44.59	32086.54	91081.50	260.42			
125	1.34	327.71	98.69	44.75	44.74	32084.37	91079.75	260.48			
126	1.34	328.24	98.62	56.99	56.98	32091.63	91069.89	260.79			
127	1.34	331.27	98.65	57.16	57.15	32093.93	91071.35	260.76			
128	1.34	334.34	98.61	57.40	57.38	32096.23	91072.89	260.81			
129	1.34	333.55	98.55	70.53	70.51	32104.02	91062.30	261.16			
130	1.34	331.31	98.58	70.27	70.25	32101.91	91060.95	261.12			
131	1.34	328.57	98.59	70.33	70.32	32099.51	91059.12	261.11			
132	1.34	328.78	98.57	83.67	83.65	32107.37	91048.35	261.43			
133	1.34	331.08	98.54	83.68	83.66	32109.82	91050.13	261.47			
134	1.34	333.00	98.50	83.61	83.59	32111.75	91051.73	261.53			
135	1.34	332.52	98.51	97.35	97.33	32119.82	91040.59	261.84			
136	1.34	330.93	98.52	97.40	97.37	32117.93	91039.06	261.82			
137	1.34	328.92	98.54	97.38	97.36	32115.43	91037.26	261.78			
138	1.34	328.95	98.54	109.99	109.97	32122.74	91026.99	262.07			
139	1.34	330.62	98.54	109.82	109.79	32124.97	91028.83	262.07			
140	1.34	332.14	98.52	109.95	109.92	32127.14	91030.33	262.10			
141	1.34	331.84	98.52	122.90	122.86	32134.68	91019.79	262.40			
142	1.34	330.63	98.53	122.81	122.78	32132.76	91018.44	262.39			
143	1.34	328.98	98.55	123.03	122.99	32130.32	91016.40	262.35			

СТАНЦИЯ лт144 - G (I= 1.550) ЕОТ

NT	X	Y	H	O	V						
пт3	32059.25	91116.77	259.35	262.54	0.00						
пт4	32198.63	90931.13	265.50	262.53	0.00						
лт144	32168.42	90968.23	263.78	262.54							
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт3	1.34	277.81	101.60	184.38	184.32	32059.27	91116.76	259.34	-0.03	0.01	0.01
пт4	1.34	80.97	97.99	47.85	47.83	32198.63	90931.14	265.50	0.01	-0.02	0.00
144	1.34	282.34	102.09	35.66	35.64	32145.33	90995.38	262.82			
145	1.34	277.44	102.18	35.22	35.20	32147.74	90996.71	262.78			
146	1.34	272.49	101.92	35.33	35.31	32149.96	90998.32	262.92			
147	1.34	270.45	102.43	22.74	22.72	32157.17	90987.97	263.12			
148	1.34	278.24	102.60	22.49	22.48	32154.99	90986.25	263.07			
149	1.34	285.61	102.38	22.73	22.71	32152.84	90984.75	263.14			
150	1.34	292.42	102.88	12.84	12.83	32158.67	90976.56	263.41			
151	1.34	279.44	103.32	12.12	12.11	32161.01	90977.80	263.36			
152	1.34	264.74	102.46	12.28	12.27	32163.33	90979.39	263.51			
153	1.34	231.73	101.69	5.36	5.35	32168.90	90973.56	263.85			
154	1.34	232.98	104.83	3.73	3.72	32168.68	90971.94	263.71			
155	1.34	217.27	104.96	3.31	3.30	32169.45	90971.36	263.73			
156	1.34	202.14	103.00	3.64	3.63	32170.34	90971.31	263.82			
157	1.34	199.25	100.10	10.90	10.90	32174.58	90977.22	263.97			
158	1.34	184.14	100.61	9.97	9.97	32175.83	90974.90	263.89			
159	1.34	167.37	100.22	10.22	10.22	32177.54	90972.85	263.95			
160	1.34	147.21	100.21	11.16	11.16	32179.46	90969.93	263.95			
161	1.34	138.10	100.54	8.62	8.62	32177.04	90968.31	263.91			
162	1.34	114.49	100.16	6.73	6.73	32174.71	90965.85	263.97			
163	1.34	97.78	99.75	7.44	7.44	32174.46	90963.89	264.02			
164	1.34	133.25	102.90	3.76	3.76	32172.17	90967.98	263.82			
165	1.34	65.30	103.44	4.45	4.44	32170.30	90964.20	263.75			
166	1.34	52.55	99.93	8.57	8.57	32170.43	90959.91	264.00			
167	1.34	38.48	101.74	6.43	6.43	32168.53	90961.80	263.81			
168	1.34	26.23	102.25	6.25	6.25	32167.33	90962.09	263.77			
169	1.34	32.68	100.11	9.16	9.16	32167.73	90959.09	263.97			
170	1.34	6.54	100.88	15.07	15.07	32161.39	90954.91	263.78			
171	1.34	394.98	102.21	13.75	13.74	32159.92	90957.44	263.51			
172	1.34	381.23	102.17	13.18	13.17	32158.25	90959.88	263.54			
173	1.34	366.47	102.24	13.05	13.04	32156.71	90962.49	263.53			

174	1.34	353.88	101.53	13.22	13.22	32155.64	90964.86	263.67
175	1.34	335.96	102.65	7.52	7.51	32160.91	90968.41	263.68
176	1.34	354.96	103.61	5.44	5.43	32163.20	90966.76	263.68
177	1.34	341.30	104.41	4.47	4.46	32163.97	90967.96	263.68
178	1.34	320.05	104.32	5.02	5.01	32163.60	90969.58	263.65
179	1.34	312.24	115.09	1.13	1.10	32167.40	90968.65	263.72
180	1.34	397.92	103.75	4.28	4.28	32165.93	90964.75	263.74
181	1.34	66.09	98.84	15.97	15.97	32175.36	90953.85	264.28
182	1.34	76.18	99.28	15.48	15.48	32177.27	90955.52	264.16
183	1.34	88.24	98.81	15.48	15.48	32179.50	90957.41	264.28
184	1.34	83.99	98.37	25.79	25.78	32185.63	90949.03	264.65
185	1.34	78.30	98.55	25.59	25.59	32183.73	90947.73	264.57
186	1.34	71.81	98.28	25.74	25.73	32181.64	90946.15	264.68

СТАНЦИЯ пт4 - G (I= 1.379) ЕОТ

NT	X	Y	H	O	V
пт3	32059.25	91116.77	259.35	280.10	0.00
пт3	32059.25	91116.77	259.35	280.10	0.00
пт144	32188.42	90968.23	263.78	280.10	0.00
пт5	32188.89	90760.80	268.13	280.10	0.00
пт5	32188.89	90760.80	268.13	280.10	0.00
пт4	32198.63	90931.13	265.50	280.10	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт3	1.34	260.90	101.70	232.19	232.10	32059.28	91116.73	259.35	-0.03	0.03	0.00
пт3	1.34	260.90	101.70	232.19	232.11	32059.27	91116.73	259.34	-0.02	0.03	0.01
пт144	1.34	263.40	102.36	47.86	47.83	32168.44	90968.21	263.77	-0.01	0.02	0.00
пт5	1.34	16.26	99.04	170.62	170.60	32188.90	90760.80	268.13	0.00	0.00	0.00
пт5	1.34	16.27	99.04	170.62	170.60	32188.90	90760.80	268.11	-0.01	0.00	0.02
187	1.34	280.24	102.73	14.17	14.16	32187.13	90939.38	264.94			
188	1.34	267.47	103.20	13.81	13.79	32189.26	90941.24	264.85			
189	1.34	256.92	102.39	15.76	15.75	32189.98	90944.29	264.95			
190	1.34	248.06	101.96	14.61	14.60	32192.38	90944.32	265.09			
191	1.34	242.13	101.64	15.30	15.29	32193.40	90945.49	265.15			
192	1.34	229.32	102.36	15.18	15.17	32196.40	90946.13	264.98			
193	1.34	218.48	102.00	13.85	13.85	32198.94	90944.97	265.11			
194	1.34	210.12	101.03	14.74	14.74	32200.89	90945.69	265.31			
195	1.34	212.53	101.05	21.78	21.78	32201.15	90952.76	265.19			
196	1.34	218.10	101.57	21.73	21.72	32199.25	90952.84	265.01			
197	1.34	224.91	102.01	21.90	21.88	32196.91	90952.95	264.85			
198	1.34	233.37	101.62	22.66	22.65	32193.88	90953.27	264.97			
199	1.34	269.70	104.35	7.23	7.21	32193.55	90936.24	265.05			
200	1.34	287.16	102.78	10.15	10.14	32189.81	90936.11	265.10			
201	1.34	303.41	103.29	7.01	7.00	32191.87	90932.91	265.18			
202	1.34	326.89	104.18	5.84	5.82	32192.85	90930.49	265.16			
203	1.34	306.95	102.28	8.72	8.72	32190.10	90932.88	265.23			
204	1.34	356.26	106.40	3.50	3.48	32195.71	90929.25	265.19			
205	1.34	15.25	106.46	2.05	2.04	32198.48	90929.09	265.34			
206	1.34	245.48	101.86	15.32	15.32	32192.64	90945.22	265.10			
207	1.34	17.31	100.50	13.05	13.05	32198.10	90918.09	265.44			
208	1.34	4.50	100.84	13.35	13.35	32195.43	90918.16	265.37			
209	1.34	391.21	100.39	14.01	14.01	32192.53	90918.52	265.46			
210	2.20	398.93	97.97	24.69	24.68	32190.65	90907.77	265.47			
211	1.34	3.26	100.17	24.39	24.39	32192.33	90907.56	265.48			
212	1.34	10.58	100.24	23.76	23.76	32195.17	90907.63	265.45			
213	1.34	17.59	100.03	23.90	23.90	32197.77	90907.24	265.53			
214	1.34	17.82	99.62	36.13	36.13	32197.46	90895.02	265.76			
215	1.34	12.92	99.72	36.17	36.17	32194.68	90895.18	265.70			
216	1.34	8.15	99.66	36.69	36.69	32191.90	90895.06	265.74			
217	1.34	10.72	99.33	50.11	50.11	32191.43	90881.54	266.07			
218	1.34	14.11	99.48	49.92	49.91	32194.10	90881.42	265.95			
219	1.34	17.66	99.36	49.64	49.64	32196.89	90881.52	266.05			
220	1.34	17.87	99.31	63.54	63.54	32196.61	90867.63	266.24			
221	1.34	14.91	99.42	63.49	63.49	32193.67	90867.84	266.12			
222	1.34	12.29	99.30	63.79	63.79	32191.02	90867.80	266.25			
223	1.34	13.17	99.33	76.10	76.10	32190.60	90855.45	266.35			
224	1.34	15.22	99.40	75.93	75.93	32193.06	90855.41	266.25			
225	1.34	17.82	99.29	76.32	76.32	32196.14	90854.85	266.39			
226	1.34	17.77	99.32	91.13	91.12	32195.59	90840.06	266.52			
227	1.34	16.02	99.37	91.10	91.10	32193.08	90840.20	266.45			
228	1.34	13.94	99.32	91.29	91.28	32190.10	90840.24	266.52			
229	1.34	14.52	99.30	103.72	103.72	32189.88	90827.78	266.69			
230	1.34	16.34	99.33	103.45	103.45	32192.85	90827.84	266.64			
231	1.34	17.83	99.31	103.26	103.25	32195.28	90827.93	266.67			
232	1.34	17.82	99.23	116.51	116.50	32194.82	90814.70	266.95			
233	1.34	16.34	99.29	116.46	116.45	32192.13	90814.86	266.84			
234	1.34	14.83	99.21	116.40	116.40	32189.38	90815.10	266.99			
235	1.34	15.13	99.23	129.65	129.64	32188.94	90801.84	267.12			
236	1.34	16.39	99.24	128.96	128.95	32191.54	90802.38	267.09			
237	1.34	17.82	99.21	129.75	129.74	32194.39	90801.45	267.16			

СТАНЦИЯ пт5 - G (I= 1.545) ЕОТ

NT	X	Y	H	O	V
пт4	32198.63	90931.13	265.50	283.17	0.00
пт4	32198.63	90931.13	265.50	283.18	-0.01
пт6	32184.13	90585.56	270.36	283.16	0.01
пт6	32184.13	90585.56	270.36	283.17	0.00
пт5	32188.89	90760.80	268.13	283.17	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт4	1.34	213.19	101.05	170.62	170.60	32198.64	90931.13	265.50	0.00	0.00	0.00
пт4	1.34	213.18	101.06	170.62	170.60	32198.65	90931.12	265.50	-0.02	0.01	0.01
пт6	1.34	15.11	99.26	175.31	175.30	32184.16	90585.57	270.36	-0.03	-0.01	0.00
пт6	1.34	15.10	99.26	175.31	175.30	32184.13	90585.58	270.36	0.00	-0.02	0.01
238	1.34	201.38	101.50	29.56	29.55	32196.00	90789.49	267.63			
239	1.34	205.65	101.96	29.31	29.29	32194.01	90789.65	267.43			
240	1.34	211.64	102.13	28.89	28.87	32191.24	90789.58	267.36			
241	1.60	217.57	101.43	29.03	29.03	32188.56	90789.83	267.42			
242	1.34	222.53	102.07	27.62	27.60	32186.43	90788.30	267.43			
243	1.34	219.57	102.16	16.67	16.67	32188.18	90777.45	267.76			
244	1.34	208.88	102.54	16.85	16.84	32190.99	90777.51	267.66			
245	1.34	199.55	102.13	17.55	17.54	32193.60	90777.70	267.74			
246	1.34	170.26	102.97	6.53	6.52	32193.25	90765.66	268.03			
247	1.34	197.87	103.81	5.36	5.35	32190.46	90765.92	268.01			
248	1.34	227.90	102.80	5.76	5.76	32187.90	90766.48	268.08			
249	1.34	255.46	105.05	3.89	3.88	32186.68	90763.99	268.02			
250	1.34	295.61	105.68	5.43	5.41	32183.78	90762.58	267.85			
251	1.34	265.70	104.88	5.55	5.54	32185.05	90764.79	267.90			
252	1.34	292.96	104.29	13.59	13.56	32176.28	90765.77	267.41			
253	1.34	307.83	104.08	12.80	12.78	32176.25	90762.60	267.51			
254	1.34	318.53	103.77	12.84	12.82	32176.08	90760.47	267.57			

255	1.34	329.31	103.52	13.45	13.43	32175.72	90758.20	267.59
256	1.50	337.20	103.13	15.11	15.09	32174.57	90756.06	267.43
257	1.34	360.58	102.72	5.47	5.46	32184.67	90757.34	268.10
258	1.34	392.28	102.34	4.95	4.95	32187.03	90756.22	268.15
259	1.34	2.22	100.22	6.69	6.69	32187.37	90754.29	268.31
260	1.34	378.79	99.33	6.78	6.78	32185.08	90755.20	268.40
261	1.34	343.35	108.20	2.06	2.04	32187.03	90759.98	268.07
262	1.34	29.24	100.73	6.42	6.42	32190.14	90754.51	268.26
263	1.34	55.32	99.74	7.11	7.11	32192.94	90754.96	268.36
264	1.34	28.81	98.89	19.59	19.59	32192.56	90741.57	268.67
265	1.34	19.46	99.43	19.00	19.00	32189.68	90741.82	268.50
266	1.34	10.87	99.09	19.04	19.04	32187.12	90741.86	268.60
267	1.34	12.45	99.00	32.48	32.48	32186.66	90728.41	268.84
268	1.34	17.36	99.13	32.50	32.50	32189.16	90728.31	268.77
269	1.34	23.03	98.91	32.90	32.90	32192.09	90728.06	268.89
270	1.34	23.25	99.04	45.11	45.10	32193.44	90715.94	269.01
271	1.34	20.81	99.01	44.68	44.68	32191.69	90716.22	269.02
272	1.34	16.93	99.15	44.61	44.61	32188.96	90716.20	268.93
273	1.34	13.10	99.07	44.63	44.63	32186.28	90716.26	268.98
274	1.34	9.54	99.10	44.69	44.68	32183.79	90716.41	268.96
275	1.34	13.49	99.06	59.00	59.00	32185.80	90701.89	269.20
276	1.34	16.49	99.19	58.67	58.67	32188.58	90702.14	269.07
277	1.34	19.39	99.00	58.94	58.93	32191.27	90701.92	269.26
278	1.34	18.66	99.07	70.86	70.85	32190.93	90689.98	269.37
279	1.34	15.92	99.14	70.46	70.45	32187.89	90690.36	269.28
280	1.34	13.67	99.06	70.44	70.43	32185.41	90690.46	269.38
281	1.34	13.75	99.03	82.87	82.86	32184.89	90678.05	269.60
282	1.34	16.03	99.10	83.24	83.24	32187.86	90677.58	269.51
283	1.34	18.04	99.04	83.27	83.26	32190.47	90677.56	269.59
284	1.34	17.57	99.08	96.63	96.62	32190.02	90664.20	269.72
285	1.34	15.85	99.08	96.17	96.16	32187.42	90664.66	269.72
286	1.34	14.02	99.05	96.31	96.30	32184.64	90664.60	269.77
287	1.34	14.09	99.04	108.58	108.57	32184.22	90652.34	269.96
288	1.34	15.72	99.09	108.47	108.46	32187.01	90652.37	269.89
289	1.34	17.23	99.10	108.58	108.57	32189.59	90652.24	269.87
290	1.34	17.81	99.00	120.98	120.97	32190.76	90639.86	270.22
291	1.34	17.03	99.05	120.74	120.73	32189.27	90640.08	270.14
292	1.34	15.56	99.09	120.48	120.47	32186.49	90640.36	270.06
293	1.34	14.19	99.01	120.60	120.58	32183.89	90640.33	270.21
294	1.34	12.61	98.98	120.37	120.35	32180.93	90640.72	270.25
295	1.34	14.21	99.05	133.39	133.38	32183.41	90627.55	270.32
296	1.34	15.62	99.09	133.52	133.50	32186.37	90627.33	270.23
297	1.34	16.79	99.07	133.87	133.86	32188.81	90626.95	270.29
298	1.34	16.62	99.10	146.63	146.61	32188.42	90614.20	270.40
299	1.34	15.43	99.12	146.71	146.69	32185.66	90614.16	270.37
300	1.34	14.29	99.10	146.43	146.42	32183.05	90614.51	270.41
301	1.34	14.31	99.16	159.05	159.04	32182.59	90601.90	270.42
302	1.34	15.40	99.17	158.87	158.86	32185.32	90601.99	270.39
303	1.34	16.47	99.16	159.06	159.05	32188.00	90601.77	270.42

СТАНЦИЯ пт6 - G (I= 1.550) ЕОТ

NT	X	Y	H	O	V
пт5	32188.89	90760.80	268.13	88.11	0.00
пт5	32188.89	90760.80	268.13	88.10	0.00
пт7	32175.05	90312.77	264.34	88.10	0.00
пт7	32175.05	90312.77	264.34	88.11	0.00
лт341	32178.85	90473.30	267.82	88.10	0.00
пт6	32184.13	90585.56	270.36	88.10	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт5	1.34	10.16	100.89	175.32	175.30	32188.90	90760.80	268.12	-0.01	0.01	0.00
пт5	1.34	10.17	100.89	175.31	175.30	32188.89	90760.80	268.12	0.00	0.01	0.00
пт7	1.34	209.78	101.46	273.04	272.97	32175.06	90312.75	264.32	-0.01	0.02	0.03
пт7	1.34	209.77	101.46	273.04	272.97	32175.04	90312.75	264.33	0.02	0.02	0.01
лт341	1.34	208.91	101.56	112.44	112.41	32178.86	90473.28	267.82	-0.01	0.02	0.00
304	1.34	370.96	101.83	8.79	8.79	32189.40	90592.59	270.32			
305	1.34	381.36	101.47	7.80	7.79	32187.72	90592.48	270.39			
306	1.34	1.94	101.33	7.04	7.04	32185.22	90592.52	270.43			
307	1.34	28.83	100.98	7.38	7.38	32182.19	90592.68	270.46			
308	1.34	53.37	101.34	5.43	5.43	32180.84	90589.88	270.46			
309	1.34	82.00	101.22	6.75	6.75	32178.11	90588.62	270.44			
310	1.34	62.10	101.83	7.33	7.33	32178.93	90590.73	270.36			
311	1.34	85.00	100.88	12.20	12.20	32173.01	90590.56	270.40			
312	1.34	97.41	100.82	11.14	11.14	32173.28	90588.08	270.43			
313	1.34	112.92	101.10	11.00	11.00	32173.13	90585.39	270.38			
314	1.34	128.29	101.15	11.43	11.43	32173.08	90582.66	270.37			
315	1.34	141.70	101.76	12.01	12.01	32173.41	90580.15	270.24			
316	1.34	154.78	101.28	5.21	5.21	32180.06	90582.32	270.47			
317	1.34	169.06	102.63	4.49	4.49	32181.33	90582.05	270.39			
318	1.34	185.00	101.88	5.71	5.71	32181.79	90580.36	270.40			
319	1.34	165.86	101.93	7.45	7.44	32179.20	90579.98	270.35			
320	1.34	100.29	103.00	3.17	3.16	32181.02	90586.13	270.42			
321	1.34	214.14	104.19	5.06	5.05	32184.31	90580.52	270.24			
322	1.34	247.54	102.23	6.04	6.03	32187.33	90580.45	270.36			
323	1.34	221.91	101.75	17.77	17.77	32186.91	90568.02	270.08			
324	1.34	212.36	101.99	17.15	17.14	32184.25	90568.42	270.04			
325	1.34	202.50	101.67	17.31	17.30	32181.58	90568.45	270.12			
326	1.34	205.87	101.49	30.96	30.95	32181.20	90554.75	269.85			
327	1.34	211.29	101.57	30.69	30.68	32183.84	90554.88	269.82			
328	1.34	216.56	101.31	31.33	31.32	32186.42	90554.34	269.93			
329	1.34	214.92	101.32	43.15	43.14	32186.18	90542.47	269.68			
330	1.34	211.37	101.46	42.87	42.86	32183.77	90542.71	269.59			
331	1.34	207.12	101.44	42.99	42.98	32180.91	90542.71	269.60			
332	1.34	207.74	101.38	55.24	55.22	32180.53	90530.46	269.37			
333	1.34	210.82	101.46	54.86	54.85	32183.21	90530.73	269.31			
334	1.34	213.87	101.42	54.94	54.93	32185.84	90530.66	269.35			
335	2.00	213.08	100.88	67.52	67.51	32185.39	90518.07	268.98			
336	1.34	210.62	101.49	66.88	66.86	32182.79	90518.72	269.01			
337	1.34	208.16	101.40	67.26	67.24	32180.19	90518.44	269.10			
338	1.34	208.41	101.46	79.08	79.06	32179.80	90506.63	268.76			
339	1.34	210.43	101.53	78.86	78.84	32182.32	90506.74	268.67			
340	2.36	212.81	100.74	78.38	78.37	32185.25	90507.20	268.65			

СТАНЦИЯ лт341 - G (I= 1.556) ЕОТ

NT	X	Y	H	O	V
пт6	32184.13	90585.56	270.36	43.86	0.00
пт7	32175.05	90312.77	264.34	43.86	0.00
лт341	32178.85	90473.30	267.82	43.86	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт6	1.34	53.15	98.68	112.42	112.40	32184.13	90585.57	270.37	0.00	-0.01	0.00
пт7	1.34	254.63	101.47	160.62	160.58	32175.06	90312.77	264.33	-0.01	0.01	0.01
341	2.36	38.62	96.05	20.84	20.80	32184.50	90493.32	268.31			
342	1.34	46.20	99.22	19.52	19.52	32181.89	90492.58	268.28			
343	1.34	54.58	98.78	19.18	19.18	32179.32	90492.47	268.41			
344	1.34	55.61	99.46	7.31	7.31	32178.91	90480.61	268.10			
345	1.34	63.04	101.22	4.03	4.03	32178.42	90477.30	267.96			
346	1.34	125.37	101.25	5.06	5.06	32174.38	90475.65	267.94			
347	1.34	91.97	99.10	4.78	4.78	32176.30	90477.34	268.11			
348	1.34	132.22	100.62	12.15	12.15	32167.55	90477.76	267.92			
349	1.34	142.05	101.12	11.67	11.67	32167.47	90475.86	267.83			
350	1.34	152.97	100.89	11.68	11.68	32167.19	90473.88	267.88			
351	1.34	163.73	101.00	11.37	11.37	32167.56	90471.95	267.86			
352	1.34	168.84	100.41	11.59	11.59	32167.49	90471.00	267.97			
353	1.34	177.54	100.65	12.07	12.07	32167.46	90469.32	267.92			
354	1.34	201.91	102.47	4.42	4.41	32175.53	90470.39	267.87			
355	1.34	238.93	104.80	4.12	4.11	32177.76	90469.34	267.73			
356	1.34	252.06	105.16	6.11	6.09	32178.46	90467.23	267.55			
357	1.34	230.93	104.19	5.20	5.19	32176.85	90468.52	267.70			
358	1.34	316.58	107.30	2.68	2.66	32181.02	90471.75	267.73			
359	1.34	5.42	100.82	7.42	7.42	32184.16	90478.48	267.94			
360	1.34	385.33	102.23	6.85	6.84	32184.99	90476.33	267.80			
361	1.34	370.41	102.63	7.97	7.97	32186.62	90475.07	267.71			
362	1.34	387.78	100.97	9.30	9.30	32187.03	90477.73	267.90			
363	1.34	377.12	102.17	12.95	12.94	32191.10	90477.48	267.60			
364	1.34	364.18	102.31	12.07	12.06	32190.81	90474.81	267.60			
365	1.34	354.83	102.43	11.98	11.97	32190.82	90473.05	267.58			
366	1.34	345.59	102.71	11.11	11.10	32189.80	90471.47	267.57			
367	1.34	341.84	102.65	11.19	11.18	32189.76	90470.81	267.57			
368	1.34	332.43	102.60	12.34	12.33	32190.34	90468.81	267.54			
369	1.34	321.46	102.73	8.52	8.51	32186.13	90468.89	267.67			
370	1.34	335.73	102.81	8.33	8.32	32186.75	90470.68	267.67			
371	1.34	319.87	103.51	6.87	6.86	32184.63	90469.60	267.66			
372	1.34	298.32	103.81	7.99	7.97	32183.76	90467.02	267.56			
373	1.34	2.00	105.56	2.56	2.55	32180.77	90474.98	267.82			
374	1.34	274.75	103.11	15.72	15.70	32183.38	90458.27	267.27			
375	1.34	264.50	103.99	15.00	14.97	32180.81	90458.46	267.10			
376	1.34	253.47	103.23	14.98	14.96	32178.22	90458.35	267.28			
377	1.34	253.74	102.65	26.97	26.94	32177.84	90446.38	266.92			
378	1.34	259.71	103.14	26.88	26.85	32180.36	90446.49	266.71			
379	1.34	266.00	102.53	27.14	27.11	32183.03	90446.51	266.96			
380	1.34	262.04	102.23	40.46	40.44	32182.59	90433.04	266.62			
381	1.34	257.87	102.48	40.00	39.97	32179.94	90433.34	266.48			
382	1.34	253.84	102.26	40.17	40.15	32177.40	90433.18	266.62			
383	1.34	253.93	102.10	54.07	54.04	32176.97	90419.29	266.25			
384	1.34	256.82	102.17	53.90	53.87	32179.43	90419.44	266.20			
385	1.34	260.02	102.02	54.19	54.16	32182.15	90419.24	266.32			
386	1.34	258.98	101.91	65.74	65.71	32181.79	90407.66	266.07			
387	1.34	256.36	102.03	65.52	65.49	32179.08	90407.81	265.96			
388	1.34	253.95	101.98	65.42	65.39	32176.60	90407.95	266.00			
389	1.34	253.96	101.82	79.01	78.98	32176.15	90394.37	265.78			
390	1.34	256.08	101.99	78.67	78.63	32178.78	90394.67	265.58			
391	1.34	258.16	101.82	78.87	78.83	32181.35	90394.51	265.79			
392	1.34	257.57	101.78	92.19	92.16	32180.92	90381.16	265.46			
393	1.34	255.65	101.89	91.83	91.79	32178.15	90381.51	265.32			
394	1.34	253.99	101.76	91.97	91.94	32175.75	90381.41	265.50			
395	1.34	254.05	101.75	102.93	102.90	32175.48	90370.46	265.21			
396	1.34	255.71	101.79	102.94	102.90	32178.16	90370.40	265.14			
397	1.34	257.22	101.76	103.24	103.20	32180.60	90370.11	265.18			
398	1.34	258.28	101.81	115.30	115.25	32182.72	90358.11	264.76			
399	1.34	256.89	101.72	114.89	114.85	32180.20	90358.46	264.94			
400	1.34	255.44	101.74	114.73	114.68	32177.59	90358.63	264.91			
401	1.34	254.01	101.69	114.62	114.58	32175.03	90358.79	265.00			
402	1.60	252.78	101.54	114.23	114.20	32172.83	90359.27	265.02			
403	1.34	254.04	101.67	127.21	127.16	32174.67	90346.20	264.71			
404	1.34	255.39	101.68	127.16	127.11	32177.36	90346.20	264.68			
405	1.34	256.63	101.64	127.35	127.31	32179.83	90345.99	264.76			

СТАНЦИЯ пт7 - G (I = 1.545) ЕОТ

NT	X	Y	H	O	V
пт6	32184.13	90585.56	270.36	232.68	0.00
пт6	32184.13	90585.56	270.36	232.68	0.00
пт8	32170.23	90138.93	264.91	232.68	0.00
пт8	32170.23	90138.93	264.91	232.69	0.00
лт341	32178.85	90473.30	267.82	232.68	0.00
пт7	32175.05	90312.77	264.34	232.68	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт6	1.34	265.20	98.64	273.03	272.97	32184.12	90585.59	270.36	0.01	-0.03	0.00
пт6	1.34	265.20	98.65	273.03	272.97	32184.13	90585.59	270.35	0.00	-0.03	0.02
пт8	1.34	65.55	99.87	173.90	173.90	32170.23	90138.94	264.91	0.00	-0.01	-0.01
пт8	1.34	65.55	99.86	173.91	173.91	32170.22	90138.94	264.93	0.01	-0.01	-0.02
лт341	1.34	265.81	98.70	160.62	160.58	32178.85	90473.31	267.82	0.01	-0.02	0.01
	406	1.34	272.88	99.58	29.04	29.04	32172.52	90341.70	264.74		
	407	1.34	270.00	100.08	20.12	20.12	32174.21	90332.88	264.52		
408	1.34	261.85	100.22	19.91	19.91	32176.76	90332.62	264.48			
409	1.34	253.68	99.97	20.50	20.50	32179.41	90332.80	264.56			
410	1.34	216.53	100.70	8.69	8.68	32181.27	90318.84	264.45			
411	1.34	231.09	101.40	7.28	7.28	32178.98	90318.91	264.39			
412	1.34	278.72	101.32	7.06	7.06	32173.80	90319.72	264.40			
413	1.34	278.80	101.22	7.05	7.05	32173.79	90319.70	264.41			
414	1.34	296.15	101.81	5.31	5.31	32172.73	90317.55	264.40			
415	1.34	328.56	101.33	6.36	6.36	32169.84	90316.41	264.42			
416	1.34	306.15	101.78	6.47	6.46	32171.35	90318.07	264.37			
417	1.34	337.00	101.96	12.13	12.12	32164.29	90318.33	264.17			
418	1.34	345.33	100.47	11.25	11.25	32164.47	90316.58	264.46			
419	1.34	359.56	100.92	10.63	10.63	32164.50	90314.06	264.40			
420	1.34	375.57	100.49	11.12	11.12	32164.03	90311.34	264.46			
421	1.34	387.98	99.07	11.37	11.37	32164.28	90309.15	264.72			
422	1.34	396.70	103.56	3.92	3.91	32171.55	90311.04	264.33			
423	1.34	21.04	104.93	3.16	3.15	32172.96	90310.42	264.30			
424	1.34	43.79	103.21	4.32	4.31	32173.50	90308.76	264.33			
425	0.05	17.37	111.72	5.90	5.80	32170.96	90308.67	264.76			
426	1.34	93.10	106.33	2.71	2.70	32176.12	90310.30	264.28			
427	1.34	130.08	104.02	4.38	4.37	32178.70	90310.37	264.27			
428	1.34	80.12	101.32	16.28	16.28	32178.30	90296.83	264.21			
429	1.34	68.78	101.52	15.28	15.28	32175.40	90297.50	264.18			
430	1.34	59.31	101.09	15.54	15.54	32173.11	90297.36	264.28			
431	1.34	62.14	100.89	28.70	28.70	32172.72	90284.17	264.15			
432	1.34	66.86	101.05	28.44	28.43	32174.85	90284.34	264.08			
433	1.34	73.54	100.87	28.85	28.85	32177.87	90284.06	264.15			
434	1.34	72.23	101.34	36.16	36.15	32177.84	90276.73	263.79			
435	1.34	74.95	101.17	38.41	38.40	32179.65	90274.65	263.84			

436	1.34	69.91	100.98	39.83	39.83	32176.68	90272.98	263.93
437	1.34	72.98	100.92	43.85	43.85	32178.95	90269.11	263.91
438	1.34	72.35	100.42	45.32	45.32	32178.63	90267.60	264.25
439	1.34	73.00	100.43	46.72	46.72	32179.22	90266.25	264.23
440	1.34	74.83	100.54	46.36	46.36	32180.51	90266.74	264.16
441	1.34	70.99	100.90	42.73	42.73	32177.52	90270.12	263.94
442	1.34	66.95	100.61	42.60	42.60	32174.81	90270.18	264.14
443	1.34	63.16	100.49	42.45	42.44	32172.28	90270.42	264.22
444	1.34	59.33	100.34	42.07	42.07	32169.79	90271.03	264.32
445	1.34	63.58	100.31	54.28	54.28	32171.88	90258.59	264.28
446	1.34	66.31	100.40	54.40	54.40	32174.20	90258.38	264.21
447	1.34	66.97	100.40	54.62	54.62	32174.76	90258.16	264.20
448	1.34	69.42	100.49	54.88	54.87	32176.87	90257.94	264.13
449	1.34	68.78	100.28	68.32	68.32	32176.63	90244.48	264.25
450	1.34	66.48	100.28	68.20	68.20	32174.16	90244.59	264.25
451	1.34	65.65	100.27	68.19	68.19	32173.27	90244.61	264.26
452	1.34	63.96	100.27	68.25	68.25	32171.46	90244.63	264.26
453	1.34	64.17	100.15	83.07	83.07	32170.95	90229.81	264.35
454	1.34	65.51	100.18	83.09	83.09	32172.69	90229.72	264.32
455	1.34	66.30	100.17	83.19	83.19	32173.73	90229.59	264.32
456	0.15	68.13	101.03	83.72	83.71	32176.13	90229.08	264.38
457	1.34	67.70	100.08	98.56	98.56	32175.65	90214.22	264.43
458	1.34	66.29	100.09	98.51	98.51	32173.47	90214.27	264.41
459	1.34	65.44	100.09	98.53	98.53	32172.15	90214.29	264.41
460	1.34	64.34	100.09	98.57	98.57	32170.45	90214.31	264.41
461	1.34	64.43	100.00	112.29	112.29	32169.96	90200.61	264.55
462	1.34	65.50	100.07	112.56	112.56	32171.84	90200.27	264.42
463	1.34	66.13	100.07	112.55	112.55	32172.96	90200.24	264.42
464	1.34	67.39	100.04	112.85	112.85	32175.18	90199.93	264.48

СТАНЦИЯ пт8 - G (I= 1.510) ЕОТ

NT	X	Y	H	O	V
пт7	32175.05	90312.77	264.34	282.57	0.00
пт7	32175.05	90312.77	264.34	282.57	0.00
пт9	32166.34	90010.70	266.97	282.56	0.01
пт9	32166.34	90010.70	266.97	282.57	0.00
пт8	32170.23	90138.93	264.91	282.57	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт7	1.34	215.66	100.27	173.91	173.91	32175.07	90312.77	264.33	-0.01	0.00	0.01
пт7	1.34	215.66	100.28	173.91	173.91	32175.06	90312.77	264.32	-0.01	0.00	0.02
пт9	1.34	15.51	99.06	128.32	128.31	32166.35	90010.69	266.97	-0.01	0.01	-0.01
пт9	1.34	15.50	99.05	128.32	128.30	32166.35	90010.69	266.99	-0.01	0.01	-0.02
465	1.34	208.58	101.16	53.26	53.25	32177.61	90191.67	264.11			
466	1.34	211.74	100.77	53.22	53.22	32174.98	90191.93	264.43			
467	1.34	214.33	100.75	52.99	52.99	32172.80	90191.85	264.45			
468	1.34	215.65	100.75	53.09	53.08	32171.71	90191.99	264.45			
469	1.34	218.04	100.65	53.13	53.12	32169.72	90192.05	264.53			
470	1.34	219.13	100.98	36.96	36.95	32169.25	90175.88	264.51			
471	1.34	215.85	101.01	36.74	36.73	32171.14	90175.65	264.49			
472	1.34	214.10	100.95	36.64	36.64	32172.14	90175.52	264.53			
473	1.34	210.01	100.98	36.70	36.69	32174.50	90175.38	264.51			
474	1.34	207.01	101.37	23.11	23.10	32173.99	90161.73	264.58			
475	1.34	212.94	101.22	22.73	22.73	32171.83	90161.60	264.64			
476	1.34	216.56	101.14	22.64	22.64	32170.54	90161.57	264.67			
477	1.34	221.62	101.19	22.78	22.78	32168.73	90161.66	264.65			
478	1.60	230.27	100.40	9.69	9.69	32168.29	90148.42	264.75			
479	1.34	215.02	102.08	9.53	9.53	32170.59	90148.45	264.76			
480	1.34	209.48	102.09	9.48	9.47	32171.41	90148.33	264.77			
481	1.34	195.35	102.19	9.96	9.95	32173.61	90148.29	264.73			
482	1.34	68.36	104.11	7.39	7.37	32175.52	90133.80	264.60			
483	1.34	51.94	102.28	5.66	5.65	32173.14	90134.09	264.87			
484	1.34	11.73	101.70	4.47	4.47	32169.83	90134.48	264.96			
485	1.34	385.97	102.48	5.03	5.03	32167.84	90134.51	264.88			
486	1.34	371.43	102.22	6.68	6.67	32165.82	90133.93	264.84			
487	1.34	7.20	100.29	16.90	16.90	32167.53	90122.25	265.00			
488	1.34	14.79	100.14	16.61	16.61	32169.54	90122.34	265.04			
489	1.34	17.86	100.15	16.55	16.55	32170.34	90122.38	265.04			
490	1.34	27.22	100.32	16.85	16.85	32172.81	90122.28	264.99			
491	1.34	21.62	99.89	31.48	31.48	32172.30	90107.52	265.13			
492	1.34	17.23	99.79	30.99	30.99	32170.13	90107.94	265.18			
493	1.34	14.88	99.82	30.88	30.87	32168.99	90108.09	265.16			
494	1.34	10.76	99.97	30.96	30.96	32166.99	90108.15	265.09			
495	1.34	12.33	99.61	46.57	46.57	32166.50	90092.51	265.36			
496	1.34	15.20	99.61	46.57	46.57	32168.60	90092.39	265.36			
497	1.34	16.61	99.59	46.47	46.47	32169.63	90092.47	265.38			
498	1.34	19.55	99.59	46.67	46.67	32171.78	90092.29	265.38			

СТАНЦИЯ пт11 - G (I= 1.678) ЕОТ

NT	X	Y	H	O	V
пт10	32113.57	89892.00	269.70	147.87	0.00
пт1026	32068.15	89778.84	272.48	147.87	0.00
пт11	32034.93	89706.63	273.74	147.87	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
пт10	1.31	326.59	101.39	201.42	201.37	32113.57	89892.01	269.72	0.00	-0.01	-0.02
пт1026	1.31	324.68	101.30	79.50	79.48	32068.15	89778.83	272.48	0.00	0.01	0.00
1001	1.31	93.03	104.28	11.87	11.85	32025.45	89699.53	273.31			
1002	1.31	103.52	104.84	11.33	11.30	32027.12	89698.47	273.25			
1003	1.31	96.25	112.47	2.83	2.77	32032.80	89704.86	273.56			
1004	1.31	209.69	102.85	10.75	10.74	32043.37	89699.99	273.63			
1005	1.31	224.14	102.71	10.25	10.24	32044.19	89702.27	273.67			
1006	1.31	230.28	100.80	20.08	20.08	32053.84	89699.87	273.86			
1007	1.31	244.08	105.22	4.45	4.43	32039.33	89706.07	273.75			
1008	1.31	249.89	107.35	3.22	3.20	32038.12	89706.52	273.74			
1009	1.31	371.28	102.54	8.91	8.90	32032.29	89715.13	273.76			
1010	1.31	381.23	101.72	10.33	10.32	32030.38	89715.89	273.83			
1011	1.31	352.08	103.05	7.75	7.74	32034.94	89714.37	273.74			
1012	1.31	327.79	102.41	6.97	6.96	32037.53	89713.09	273.85			
1013	1.31	302.75	102.25	7.92	7.91	32040.47	89712.27	273.83			
1014	1.31	315.12	101.15	16.80	16.80	32044.15	89720.66	273.81			
1015	1.31	326.59	101.29	16.83	16.82	32041.50	89722.12	273.77			
1016	1.31	336.94	101.77	17.61	17.60	32039.09	89723.73	273.62			
1017	1.31	334.89	100.99	39.09	39.08	32045.39	89744.28	273.50			
1018	1.31	330.84	101.23	37.16	37.16	32047.13	89741.72	273.39			
1019	1.31	325.96	101.21	36.67	36.67	32049.58	89740.23	273.41			
1020	1.31	321.11	101.32	36.71	36.70	32052.11	89739.05	273.35			
1021	1.31	320.24	101.11	36.73	36.72	32052.57	89738.84	273.47			
1022	1.31	318.98	101.10	36.27	36.27	32052.97	89738.09	273.48			
1023	1.31	322.52	101.15	51.84	51.83	32058.18	89752.95	273.17			
1024	1.31	325.85	101.01	51.80	51.79	32055.71	89754.07	273.29			
1025	1.31	329.47	101.01	51.61	51.61	32052.91	89755.00	273.29			

СТАНЦИЯ лт1026 - G (I= 1.705) ЕОТ											
NT	X		Y		H		O		V		
лт11	32034.93		89706.63		273.74		135.79		0.00		
лт10	32113.57		89892.00		269.70		135.79		0.00		
лт1026	32068.15		89778.84		272.48		135.79				
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
лт11	1.31	136.76	99.31	79.49	79.48	32034.93	89706.63	273.74	0.00	-0.01	0.00
лт10	1.31	339.91	101.65	121.98	121.94	32113.57	89892.00	269.71	0.00	0.00	-0.01
1026	1.31	118.27	100.71	13.03	13.03	32059.55	89769.06	272.73			
1027	1.31	130.60	100.19	12.25	12.25	32061.98	89768.26	272.84			
1028	1.31	144.23	100.25	12.48	12.48	32064.30	89766.97	272.83			
1029	1.31	146.46	99.32	12.24	12.24	32064.79	89767.08	273.01			
1030	1.31	94.74	101.10	10.57	10.57	32058.78	89773.96	272.69			
1031	1.31	81.04	105.72	4.99	4.97	32063.36	89777.54	272.43			
1032	1.31	18.44	108.41	4.24	4.20	32064.99	89781.60	272.32			
1033	1.31	49.58	102.07	11.62	11.61	32056.85	89781.48	272.50			
1034	1.31	18.18	101.81	21.58	21.57	32051.98	89793.11	272.26			
1035	1.31	10.08	101.80	21.16	21.16	32054.20	89794.73	272.28			
1036	1.31	3.08	102.22	16.98	16.97	32058.42	89792.74	272.28			
1037	1.31	1.56	103.36	11.62	11.61	32061.73	89788.50	272.26			
1038	1.31	383.04	104.24	9.49	9.47	32065.39	89787.90	272.24			
1039	1.31	362.37	104.35	10.91	10.88	32068.47	89789.71	272.13			
1040	1.31	346.99	104.08	10.22	10.20	32070.88	89788.66	272.22			
1041	1.31	330.73	103.38	10.28	10.27	32073.30	89787.71	272.33			
1042	1.31	334.03	102.07	28.63	28.62	32081.21	89804.30	271.95			
1043	1.31	335.41	102.04	28.75	28.74	32080.71	89804.68	271.95			
1044	1.31	340.89	102.18	28.79	28.77	32078.46	89805.70	271.89			
1045	1.31	347.51	102.17	29.10	29.08	32075.69	89806.92	271.88			
1046	1.31	347.60	101.80	41.49	41.48	32078.85	89818.91	271.71			
1047	1.31	344.51	101.98	43.56	43.54	32081.41	89820.31	271.52			
1048	1.31	340.07	102.01	43.42	43.39	32084.21	89819.15	271.51			
1049	1.31	336.46	101.94	43.56	43.54	32086.54	89818.30	271.55			
1050	1.31	334.58	101.64	47.84	47.82	32089.62	89821.57	271.64			
1051	1.31	336.20	101.47	56.83	56.82	32092.36	89830.24	271.56			
1052	1.31	336.85	101.82	57.03	57.01	32091.90	89830.66	271.25			
1053	1.31	339.87	101.79	57.16	57.14	32089.47	89831.85	271.27			
1054	1.31	343.22	101.75	57.56	57.54	32086.78	89833.27	271.30			
1055	1.31	342.10	101.75	76.30	76.27	32094.11	89850.55	270.78			
1056	1.31	339.43	101.75	76.32	76.29	32097.10	89849.42	270.78			
1057	1.31	337.23	101.60	76.22	76.20	32099.49	89848.30	270.96			
1058	1.31	337.03	101.77	87.75	87.71	32104.48	89858.67	270.43			
1059	1.31	337.31	101.68	87.80	87.77	32104.14	89858.89	270.57			
1060	1.31	339.39	101.80	87.88	87.85	32101.54	89860.09	270.39			
1061	1.31	341.53	101.79	88.13	88.10	32098.87	89861.41	270.40			
1062	1.31	341.14	101.70	102.25	102.21	32104.39	89874.41	270.14			
1063	1.31	339.27	101.70	102.16	102.12	32107.14	89873.22	270.15			
1064	1.31	337.39	101.67	102.23	102.19	32109.95	89872.09	270.19			

СТАНЦИЯ лт10 - G (I= 1.676) ЕОТ											
NT	X	Y	H	O	V						
лт1026	32068.15	89778.84	272.48	138.01	0.00						
лт11	32034.93	89706.63	273.74	138.01	0.00						
лт9	32166.34	90010.70	266.97	138.01	0.00						
лт10	32113.57	89892.00	269.70	138.01							
NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
лт1026	1.31	137.70	98.74	121.96	121.93	32068.15	89778.84	272.48	-0.01	-0.01	0.00
лт11	1.31	136.45	98.84	201.40	201.37	32034.93	89706.63	273.72	0.00	0.00	0.02
лт9	1.31	335.35	101.52	129.93	129.89	32166.35	90010.69	266.96	-0.01	0.01	0.00
1065	1.31	186.72	100.06	9.02	9.02	32116.99	89883.66	270.06			
1066	1.31	179.49	100.33	8.19	8.18	32115.79	89884.13	270.03			
1067	1.31	176.43	101.08	7.81	7.81	32115.32	89884.40	269.93			
1068	1.31	150.71	102.56	5.51	5.51	32112.60	89886.59	269.85			
1069	1.31	118.60	102.56	5.03	5.02	32110.40	89888.10	269.86			
1070	1.31	80.81	102.33	4.67	4.67	32109.10	89890.64	269.90			
1071	1.31	74.49	105.08	3.14	3.13	32110.50	89891.39	269.82			
1072	1.31	51.54	103.49	3.69	3.69	32109.93	89892.60	269.86			
1073	1.31	27.02	100.26	13.21	13.21	32102.30	89898.90	270.01			
1074	1.31	17.68	100.64	12.75	12.75	32103.79	89900.17	269.94			
1075	1.31	388.32	101.55	13.06	13.06	32108.32	89903.96	269.75			
1076	1.31	384.76	101.97	16.22	16.22	32107.89	89907.19	269.56			
1077	1.31	360.86	103.55	9.26	9.25	32113.73	89901.24	269.55			
1078	1.31	373.32	103.23	7.88	7.87	32112.18	89899.74	269.67			
1079	1.31	357.16	104.98	7.17	7.15	32114.11	89899.13	269.51			
1080	1.31	345.03	104.45	8.66	8.63	32115.84	89900.33	269.46			
1081	1.31	323.67	104.47	8.66	8.64	32118.46	89899.12	269.46			
1082	1.31	303.89	103.67	9.61	9.59	32121.16	89897.87	269.51			
1083	1.31	322.26	101.97	24.98	24.96	32128.16	89912.26	269.29			
1084	1.31	323.54	102.10	25.09	25.08	32127.81	89912.64	269.24			
1085	1.31	330.87	102.10	24.86	24.84	32125.24	89913.93	269.25			
1086	1.31	338.53	102.15	24.77	24.76	32122.49	89915.09	269.23			
1087	1.31	340.60	101.90	39.13	39.11	32126.47	89928.92	268.90			
1088	1.31	337.41	102.00	38.31	38.29	32127.99	89927.48	268.86			
1089	1.31	332.72	101.89	38.26	38.24	32130.54	89926.27	268.93			
1090	1.31	327.78	101.78	38.57	38.56	32133.30	89925.13	268.99			
1091	1.31	324.81	101.56	38.80	38.78	32134.95	89924.36	269.11			
1092	2.34	329.92	100.61	59.50	59.49	32142.29	89944.10	268.46			
1093	2.34	330.68	100.72	59.58	59.57	32141.70	89944.51	268.37			
1094	2.34	333.72	100.75	59.33	59.32	32139.05	89945.57	268.34			
1095	2.34	336.68	100.75	59.35	59.35	32136.55	89946.72	268.34			
1096	2.34	331.98	101.01	79.99	79.98	32149.90	89963.26	267.76			
1097	2.34	333.75	101.06	79.82	79.81	32147.83	89964.09	267.71			
1098	2.34	336.29	101.86	79.85	79.81	32144.92	89965.40	266.71			
1099	2.34	336.22	101.76	91.57	91.53	32149.61	89976.14	266.50			
1100	2.34	334.21	101.82	91.38	91.34	32152.17	89974.78	266.42			
1101	2.34	332.40	101.78	92.25	92.21	32154.90	89974.43	266.45			
1102	2.34	332.24	101.76	93.14	93.10	32155.52	89975.12	266.46			
1103	1.44	332.88	101.58	106.79	106.76	32160.71	89987.79	267.29			
1104	1.31	334.29	101.69	106.59	106.56	32158.49	89988.63	267.23			
1105	1.31	336.05	101.69	106.68	106.64	32155.83	89989.91	267.23			

СТАНЦИЯ лт9 - G (I= 1.670) ЕОТ					
NT	X	Y	H	O	V
лт10	32113.57	89892.00	269.70	39.19	0.00
лт8	32170.23	90138.93	264.91	39.19	0.00
лт9	32166.34	90010.70	266.97	39.19	

NP	T	R	Z	S	D	X	Y	H	VX	VY	VH
NT10	1.31	234.18	98.84	129.91	129.89	32113.57	89892.02	269.70	-0.01	-0.02	0.00
NT2	1.34	58.88	101.19	128.34	128.32	32170.23	90138.95	264.90	0.00	-0.02	0.01
1106	1.31	227.17	100.87	13.37	13.37	32159.60	89999.16	267.14			
1107	1.31	214.24	101.18	10.28	10.28	32159.47	90003.05	267.14			
1108	1.31	176.41	102.21	7.55	7.54	32159.03	90008.87	267.06			
1109	1.31	142.32	101.16	11.59	11.59	32155.24	90014.02	267.12			
1110	1.31	150.24	100.70	16.56	16.56	32150.01	90013.43	267.15			
1111	1.31	137.58	100.67	15.50	15.50	32151.86	90016.23	267.16			
1112	1.31	123.12	101.41	15.70	15.70	32153.32	90019.45	266.98			
1113	1.31	109.85	100.76	33.50	33.49	32143.02	90034.73	266.93			
1114	1.31	101.57	101.33	29.95	29.95	32148.46	90034.71	266.70			
1115	1.31	111.64	101.04	26.24	26.24	32147.55	90029.00	266.90			
1116	1.31	99.24	101.94	20.91	20.90	32154.48	90027.90	266.69			
1117	1.31	104.59	102.69	14.18	14.17	32157.35	90021.64	266.73			
1118	1.31	84.38	103.20	13.41	13.39	32161.50	90023.18	266.65			
1119	1.31	89.71	102.68	17.31	17.30	32158.76	90026.24	266.60			
1120	1.31	81.36	102.95	17.87	17.85	32160.68	90027.62	266.50			
1121	1.31	66.88	102.55	22.25	22.23	32164.22	90032.82	266.44			
1122	1.31	58.89	102.46	22.12	22.10	32167.01	90032.79	266.47			
1123	1.31	49.98	102.40	22.25	22.24	32170.11	90032.61	266.49			
1124	1.31	42.93	103.94	12.27	12.25	32169.74	90022.47	266.57			
1125	1.31	60.49	105.48	7.15	7.12	32166.38	90017.82	266.71			
1126	1.31	28.96	104.91	9.07	9.05	32170.68	90018.63	266.63			
1127	1.31	25.48	104.79	10.41	10.38	32171.81	90019.52	266.55			
1128	1.31	398.72	103.97	10.48	10.46	32175.00	90016.56	266.67			
1129	1.31	384.62	102.84	19.89	19.87	32184.84	90017.95	266.44			
1130	1.31	376.78	102.42	19.01	18.99	32184.74	90015.41	266.60			
1131	1.31	365.42	102.51	17.98	17.97	32184.26	90011.99	266.62			
1132	1.31	352.48	102.37	17.71	17.70	32183.89	90008.39	266.67			
1133	1.31	343.96	102.72	17.76	17.75	32183.47	90006.05	266.57			
1134	1.31	351.55	103.39	9.00	8.99	32175.23	90009.40	266.85			
1135	1.31	327.67	103.55	6.78	6.77	32172.22	90007.33	266.95			
1136	1.31	340.33	105.31	5.45	5.44	32171.50	90008.98	266.87			
1137	1.31	292.56	103.23	5.01	5.01	32168.74	90006.30	267.07			
1138	1.31	304.76	102.62	4.73	4.73	32169.35	90007.05	267.13			
1139	1.31	260.17	110.31	1.96	1.93	32166.32	90008.77	267.01			
1140	1.31	50.33	102.41	37.93	37.90	32172.55	90048.09	265.89			
1141	1.31	53.79	101.99	37.58	37.56	32170.48	90048.02	266.15			
1142	1.31	58.76	102.00	37.33	37.32	32167.54	90047.99	266.16			
1143	1.31	63.03	102.00	37.49	37.47	32165.04	90048.14	266.15			
1144	1.31	67.91	102.24	38.55	38.53	32162.06	90048.98	265.97			
1145	1.31	61.88	101.84	51.01	50.99	32165.48	90061.67	265.85			
1146	1.31	58.54	101.84	50.63	50.61	32168.14	90061.27	265.86			
1147	1.31	55.15	101.78	50.77	50.75	32170.85	90061.25	265.90			
1148	1.31	56.12	101.69	66.89	66.87	32171.27	90077.38	265.55			
1149	1.31	58.32	101.67	66.75	66.73	32168.95	90077.38	265.58			
1150	1.31	61.12	101.69	66.78	66.76	32166.02	90077.45	265.55			

КООРДИНАТЕН РЕГИСТЪР НА ПОДРОБНИТЕ ТОЧКИ
 ОТ ГЕОДЕЗИЧЕСКАТА СНИМКА НА
 ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
 ПОДОбЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в
 с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

№	X	Y	H
1	4731866.201	9591265.555	254.980
2	4731868.734	9591263.516	254.956
3	4731872.527	9591262.156	254.983
4	4731876.080	9591261.047	254.841
5	4731878.713	9591260.070	254.694
6	4731878.762	9591268.570	254.601
7	4731879.373	9591269.266	254.573
8	4731880.402	9591269.305	254.538
9	4731880.824	9591266.164	254.481
10	4731875.219	9591269.992	254.692
11	4731871.693	9591271.563	254.666
12	4731876.162	9591283.164	254.254
13	4731879.654	9591281.797	254.292
14	4731883.535	9591281.344	254.202
15	4731883.549	9591279.469	254.239
16	4731885.621	9591276.930	254.238
17	4731885.354	9591277.617	254.484
18	4731886.182	9591278.258	254.279
19	4731890.111	9591287.961	253.882
20	4731886.479	9591289.156	254.025
21	4731883.068	9591290.313	254.077
22	4731879.357	9591291.664	254.010
23	4731877.277	9591294.633	254.041
24	4731883.498	9591268.273	254.507
25	4731895.160	9591270.586	254.316
26	4731897.863	9591269.219	254.353
27	4731900.982	9591267.969	254.404
28	4731903.645	9591269.164	254.352
29	4731905.539	9591270.773	254.321
30	4731902.793	9591270.320	254.405
31	4731899.648	9591265.766	254.445
32	4731898.584	9591262.961	254.496
33	4731913.135	9591257.711	254.423
34	4731913.033	9591260.477	254.355
35	4731914.348	9591262.258	254.444
36	4731915.057	9591262.672	254.506
37	4731912.293	9591265.156	254.472
38	4731911.563	9591268.422	254.374
39	4731908.256	9591269.391	254.363
40	4731921.135	9591264.203	254.540
41	4731927.199	9591257.969	254.559
42	4731926.609	9591255.516	254.509
43	4731926.035	9591252.688	254.614
44	4731940.006	9591247.344	254.820
45	4731940.863	9591250.016	254.768
46	4731941.838	9591252.398	254.831
47	4731953.365	9591247.859	255.137
48	4731952.428	9591245.469	255.023
49	4731951.465	9591242.688	255.087
50	4731925.443	9591249.813	254.601
51	4731963.674	9591237.422	255.394
52	4731964.730	9591239.813	255.327
53	4731965.818	9591242.461	255.499
54	4731976.201	9591241.602	255.778
55	4731973.336	9591238.227	255.797
56	4731971.854	9591236.102	255.584
57	4731970.000	9591233.734	255.652
58	4731970.566	9591230.336	255.824
59	4731957.467	9591236.859	255.218
60	4731947.686	9591240.164	254.985
61	4731975.582	9591225.148	255.974
62	4731977.195	9591227.281	255.884
63	4731979.146	9591229.141	255.873
64	4731981.271	9591231.266	256.035
65	4731982.967	9591232.672	256.103
66	4731989.500	9591220.328	256.266
67	4731987.404	9591218.891	256.124
68	4731984.713	9591216.852	256.248
69	4731992.549	9591206.141	256.675
70	4731994.816	9591207.672	256.516
71	4731997.307	9591209.469	256.679
72	4732004.492	9591199.445	256.908
73	4732002.359	9591197.844	256.842
74	4731999.928	9591195.930	256.904
75	4732008.088	9591184.844	257.243
76	4732010.463	9591186.664	257.137
77	4732012.719	9591188.102	257.329
78	4732018.355	9591183.938	257.508
79	4732019.834	9591178.250	257.665
80	4732017.701	9591176.805	257.525
81	4732015.225	9591174.969	257.534
82	4732013.727	9591174.242	257.548
83	4732022.582	9591164.797	257.950
84	4732024.635	9591166.195	257.913
85	4732027.201	9591168.086	258.022
86	4732034.461	9591157.820	258.375
87	4732032.074	9591156.461	258.192
88	4732029.857	9591154.883	258.322
89	4732037.297	9591144.586	258.623
90	4732039.752	9591145.852	258.578
91	4732041.893	9591147.766	258.759
92	4732049.813	9591136.750	259.026
93	4732047.746	9591135.063	258.907
94	4732045.428	9591133.367	258.946
95	4732051.572	9591121.805	259.445
96	4732053.178	9591122.688	259.205
97	4732055.221	9591124.023	259.167
98	4732057.818	9591125.734	259.289
99	4732059.484	9591126.680	259.265
100	4732055.566	9591119.227	259.333
101	4732046.074	9591117.844	259.113
102	4732048.695	9591114.039	259.104
103	4732049.215	9591112.906	259.057
104	4732050.225	9591111.508	259.109
105	4732050.293	9591108.031	259.048
106	4732053.164	9591110.055	259.113
107	4732054.191	9591113.922	259.204
108	4732056.162	9591114.414	259.288

109	4732059.664	9591113.672	259.421
110	4732056.678	9591117.781	259.350
111	4732062.225	9591114.766	259.389
112	4732064.453	9591116.555	259.448
113	4732072.990	9591104.727	259.764
114	4732071.002	9591102.742	259.635
115	4732068.648	9591101.336	259.665
116	4732065.938	9591099.805	259.564
117	4732062.480	9591097.430	259.501
118	4732073.467	9591088.984	259.932
119	4732074.457	9591089.734	259.906
120	4732076.193	9591090.945	260.044
121	4732078.561	9591092.563	259.963
122	4732080.750	9591094.039	260.090
123	4732088.670	9591083.250	260.479
124	4732086.535	9591081.500	260.424
125	4732084.367	9591079.750	260.476
126	4732091.633	9591069.891	260.787
127	4732093.926	9591071.352	260.762
128	4732096.227	9591072.891	260.807
129	4732104.016	9591062.297	261.157
130	4732101.914	9591060.953	261.117
131	4732099.508	9591059.117	261.111
132	4732107.373	9591048.352	261.431
133	4732109.820	9591050.133	261.468
134	4732111.754	9591051.734	261.529
135	4732119.816	9591040.586	261.837
136	4732117.926	9591039.063	261.817
137	4732115.432	9591037.258	261.784
138	4732122.744	9591026.992	262.073
139	4732124.973	9591028.828	262.067
140	4732127.141	9591030.328	262.101
141	4732134.678	9591019.789	262.405
142	4732132.762	9591018.438	262.387
143	4732130.324	9591016.398	262.353
144	4732145.330	9590995.375	262.819
145	4732147.742	9590996.711	262.782
146	4732149.959	9590998.320	262.925
147	4732157.172	9590987.969	263.119
148	4732154.992	9590986.250	263.071
149	4732152.838	9590984.750	263.138
150	4732158.674	9590976.563	263.407
151	4732161.006	9590977.797	263.356
152	4732163.326	9590979.391	263.513
153	4732168.902	9590973.563	263.846
154	4732168.684	9590971.938	263.705
155	4732169.451	9590971.359	263.730
156	4732170.336	9590971.313	263.816
157	4732174.578	9590977.219	263.971
158	4732175.830	9590974.898	263.892
159	4732177.535	9590972.852	263.952
160	4732179.457	9590969.930	263.952
161	4732177.043	9590968.313	263.915
162	4732174.715	9590965.852	263.970
163	4732174.463	9590963.891	264.017
164	4732172.172	9590967.984	263.817
165	4732170.303	9590964.203	263.748
166	4732170.434	9590959.906	263.998
167	4732168.525	9590961.805	263.812
168	4732167.326	9590962.086	263.767
169	4732167.734	9590959.094	263.972
170	4732161.391	9590954.906	263.780
171	4732159.916	9590957.438	263.511
172	4732158.246	9590959.875	263.539
173	4732156.715	9590962.492	263.528
174	4732155.643	9590964.859	263.671
175	4732160.912	9590968.406	263.675
176	4732163.195	9590966.758	263.679
177	4732163.975	9590967.961	263.678
178	4732163.602	9590969.578	263.647
179	4732167.404	9590968.648	263.721
180	4732165.934	9590964.750	263.736
181	4732175.361	9590953.852	264.278
182	4732177.270	9590955.523	264.164
183	4732179.504	9590957.414	264.278
184	4732185.631	9590949.031	264.648
185	4732183.732	9590947.727	264.573
186	4732181.641	9590946.148	264.682
187	4732187.135	9590939.383	264.936
188	4732189.258	9590941.242	264.849
189	4732189.982	9590944.289	264.952
190	4732192.383	9590944.320	265.094
191	4732193.402	9590945.492	265.149
192	4732196.396	9590946.125	264.982
193	4732198.941	9590944.969	265.108
194	4732200.887	9590945.688	265.306
195	4732201.146	9590952.758	265.186
196	4732199.248	9590952.836	265.007
197	4732196.914	9590952.945	264.853
198	4732193.877	9590953.266	264.966
199	4732193.551	9590936.242	265.050
200	4732189.809	9590936.109	265.100
201	4732191.869	9590932.914	265.181
202	4732192.846	9590930.492	265.160
203	4732190.096	9590932.883	265.231
204	4732195.705	9590929.250	265.192
205	4732198.484	9590929.094	265.336
206	4732192.645	9590945.219	265.096
207	4732198.104	9590918.086	265.441
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209	4732192.533	9590918.523	265.458
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211	4732192.330	9590907.563	265.478
212	4732195.170	9590907.625	265.454
213	4732197.768	9590907.242	265.534
214	4732197.457	9590895.016	265.757
215	4732194.678	9590895.180	265.703
216	4732191.900	9590895.063	265.738
217	4732191.434	9590881.539	266.072
218	4732194.102	9590881.422	265.949
219	4732196.889	9590881.516	266.045
220	4732196.609	9590867.625	266.235
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222	4732191.023	9590867.797	266.245
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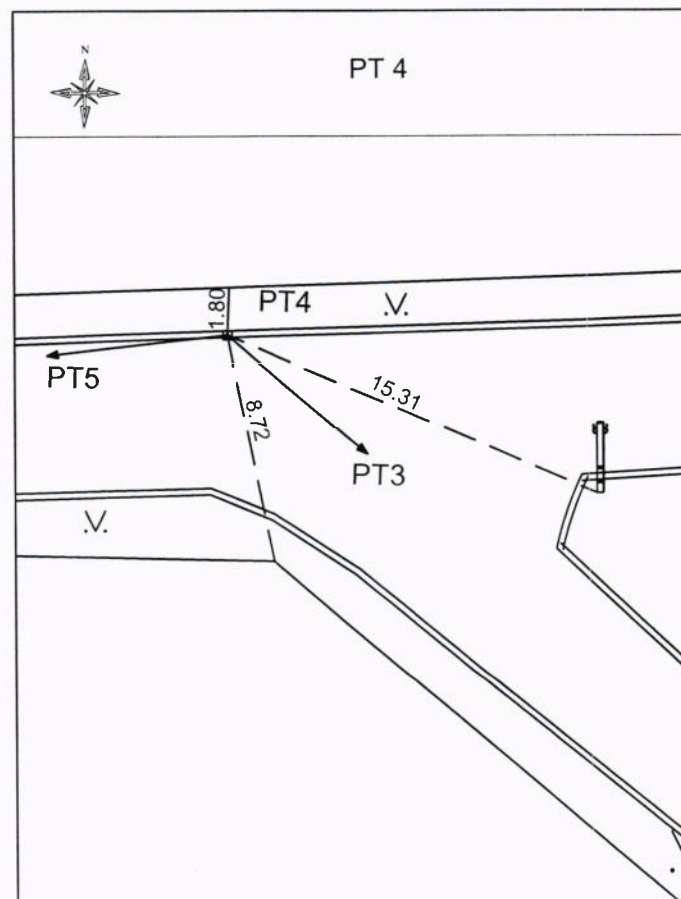
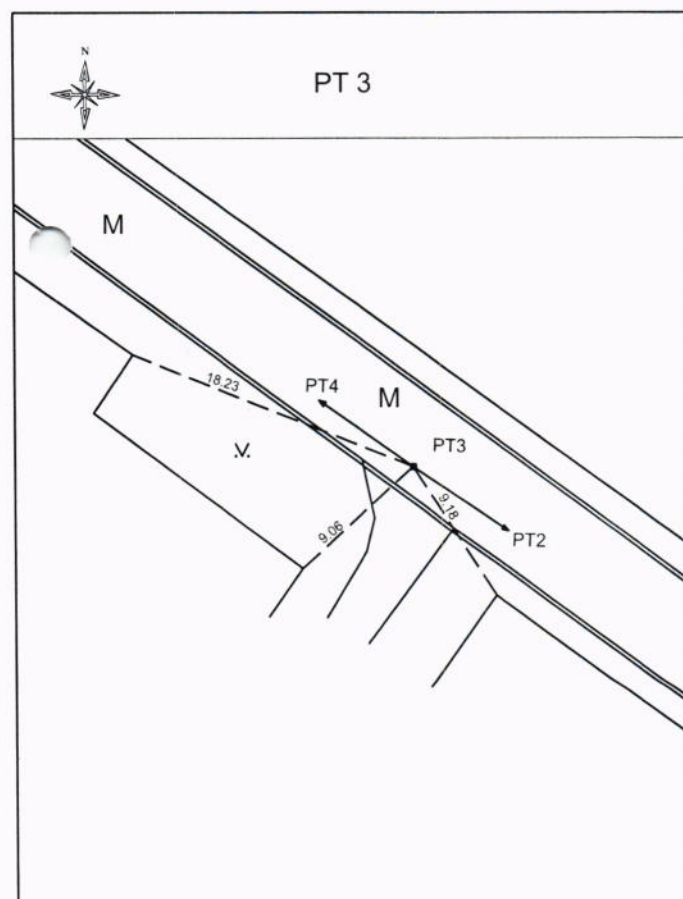
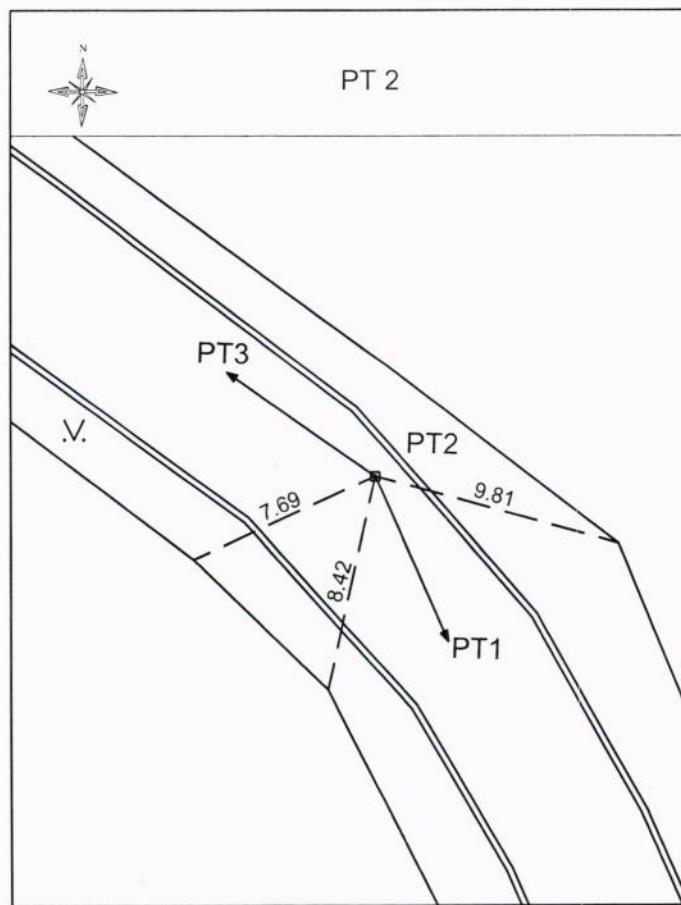
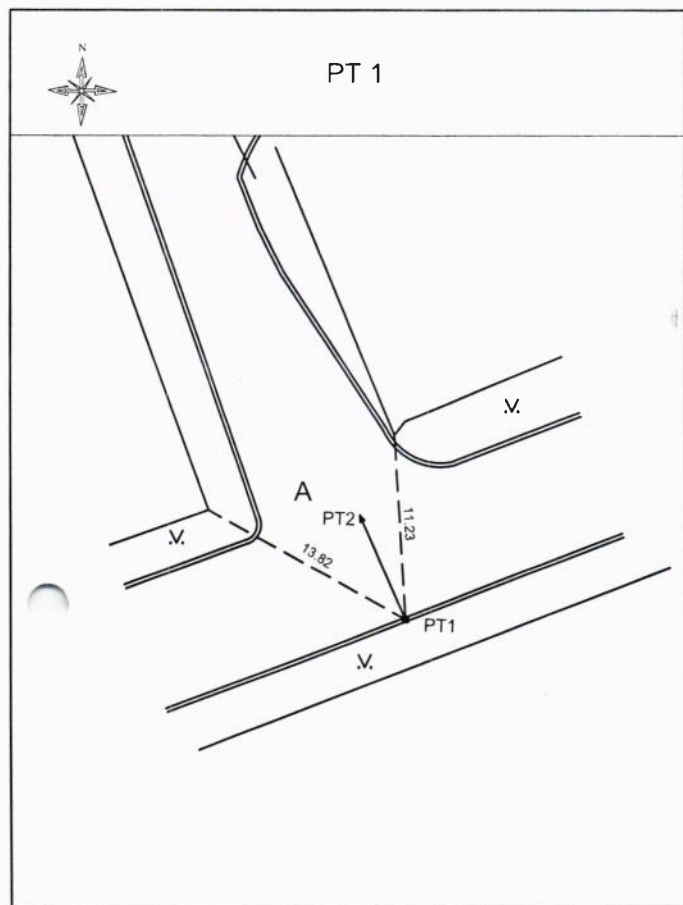
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226	4732195.594	9590840.063	266.517
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228	4732190.102	9590840.242	266.522
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230	4732192.854	9590827.844	266.639
231	4732195.279	9590827.930	266.666
232	4732194.824	9590814.695	266.946
233	4732192.125	9590814.859	266.837
234	4732189.375	9590815.102	266.985
235	4732188.939	9590801.844	267.120
236	4732191.537	9590802.375	267.093
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241	4732188.559	9590789.828	267.419
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247	4732190.465	9590765.922	268.009
248	4732187.900	9590766.477	268.077
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261	4732187.029	9590759.984	268.066
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283	4732190.475	9590677.563	269.587
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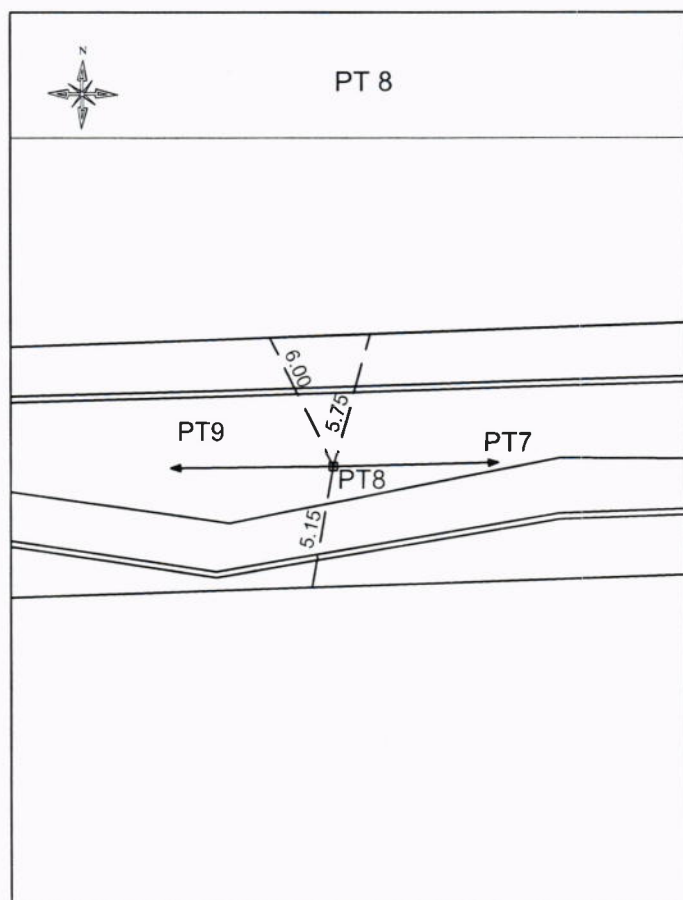
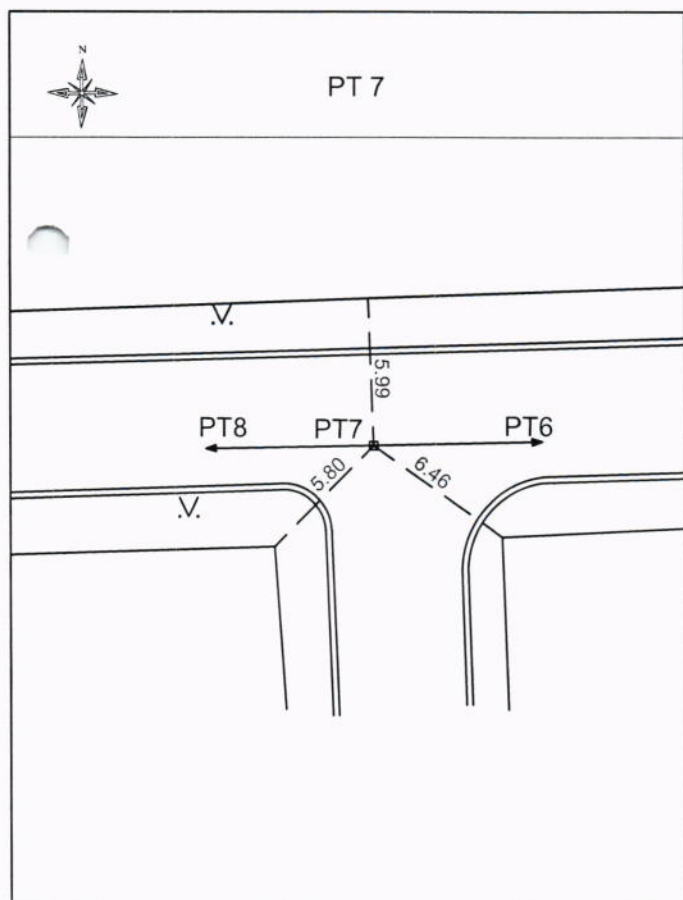
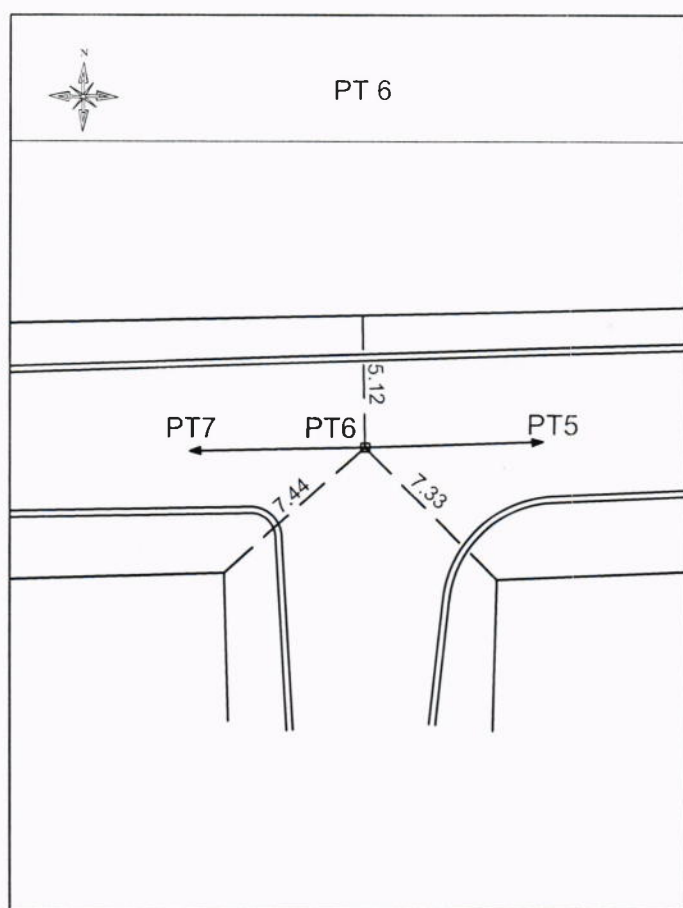
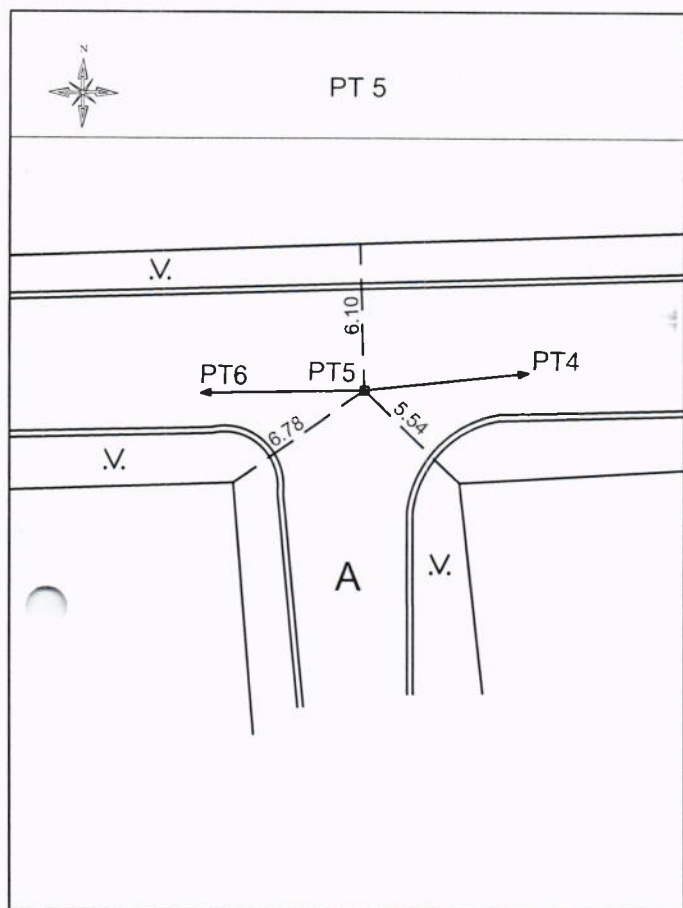
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1139	4732166.324	9590008.766	267.011
1140	4732172.551	9590048.086	265.890
1141	4732170.477	9590048.023	266.151
1142	4732167.541	9590047.992	266.157
1143	4732165.037	9590048.141	266.152
1144	4732162.057	9590048.984	265.974
1145	4732165.484	9590061.672	265.852
1146	4732168.143	9590061.273	265.864
1147	4732170.850	9590061.250	265.904
1148	4732171.266	9590077.383	265.551
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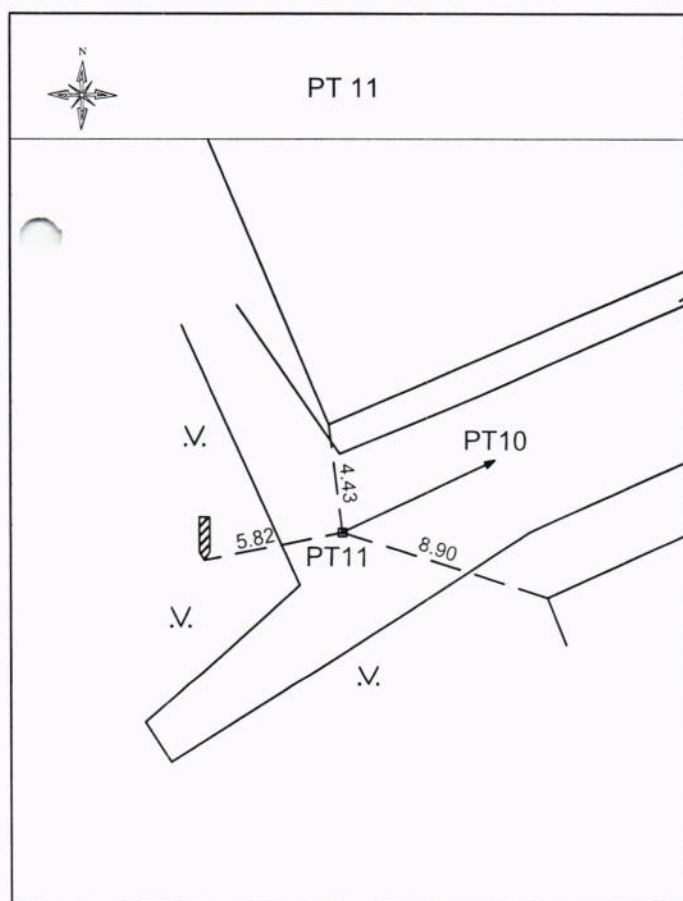
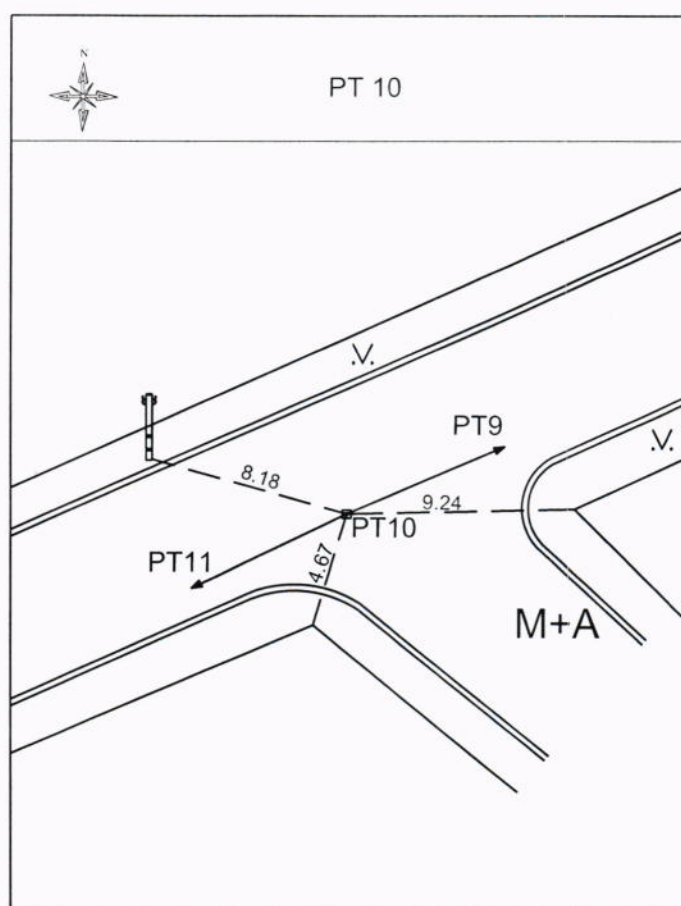
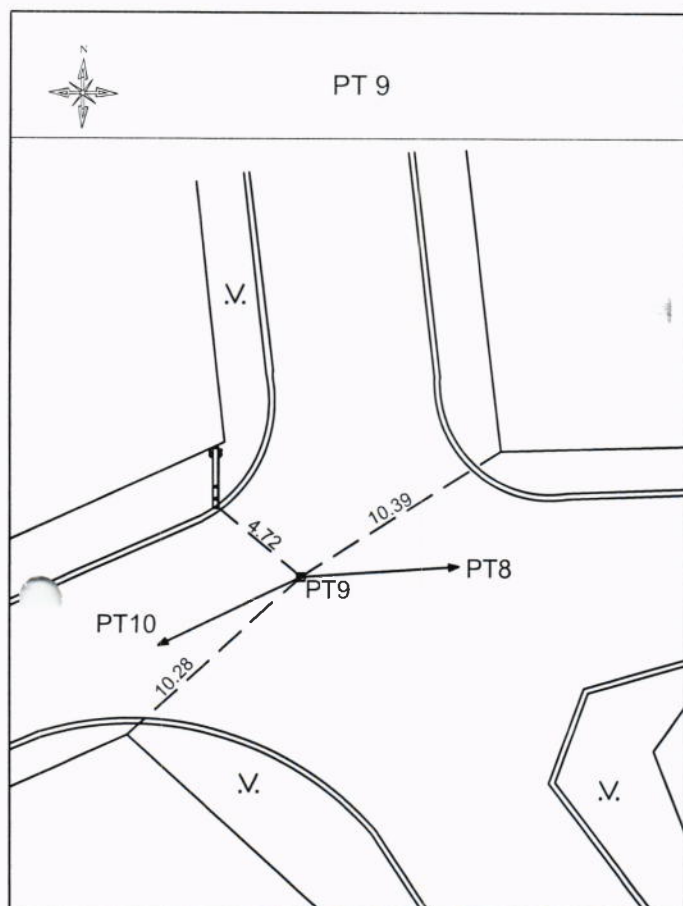
РГО на ул. "Втора" в с.Зърнево



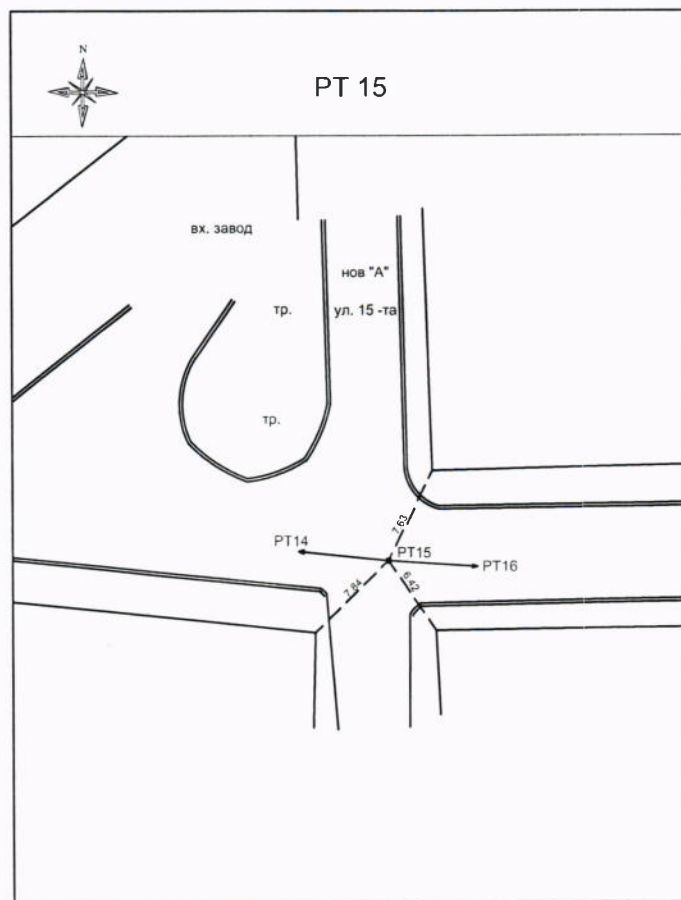
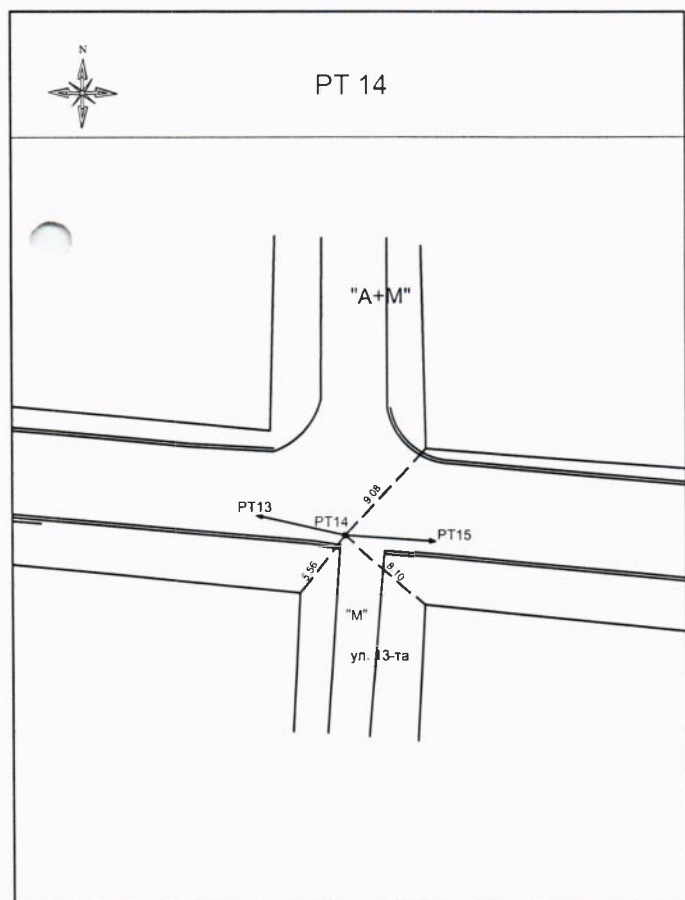
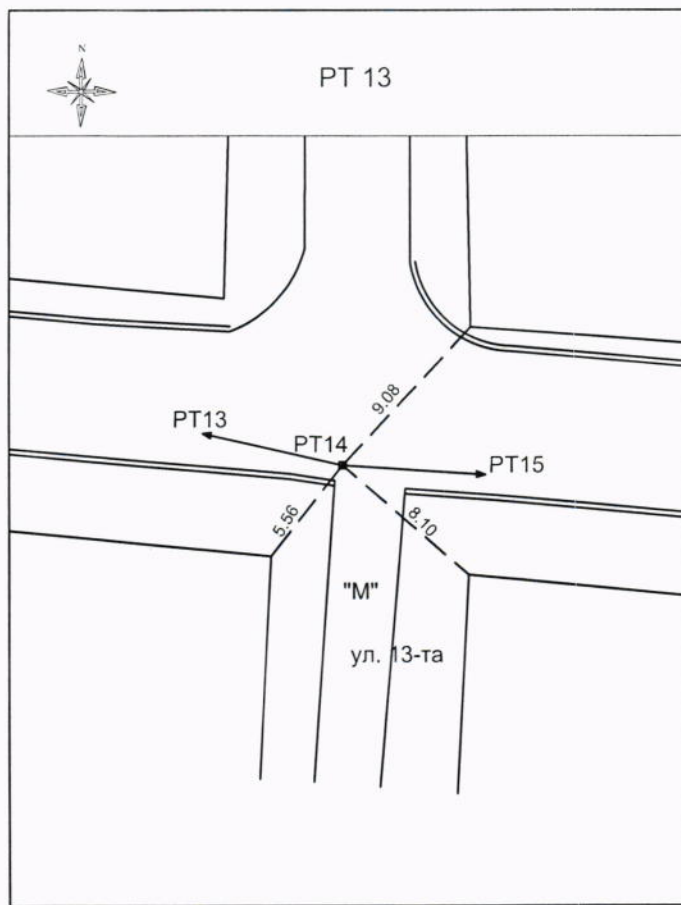
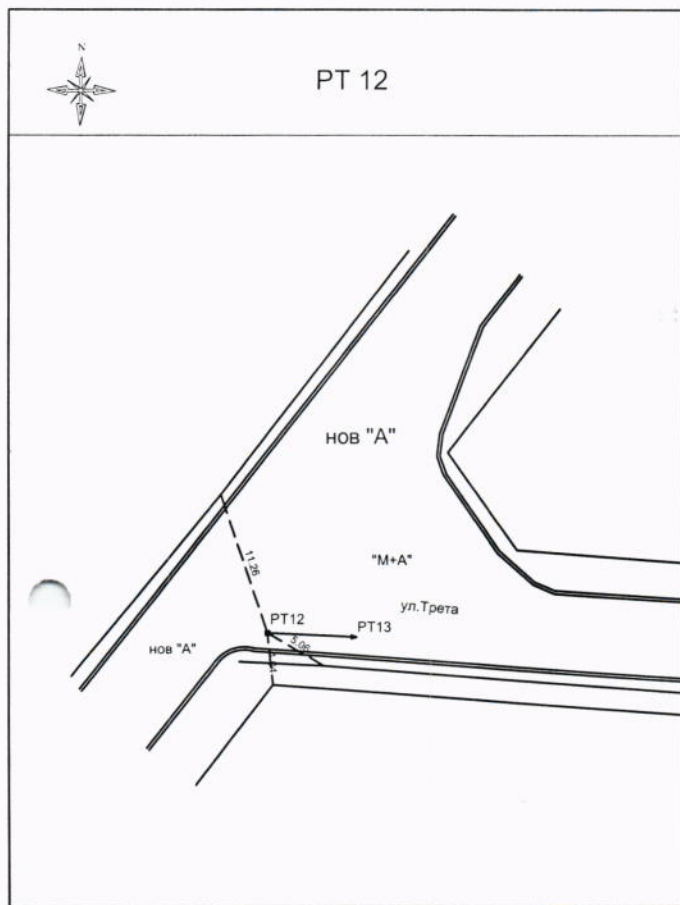
РГО на ул. "Втора" в с.Зърнево



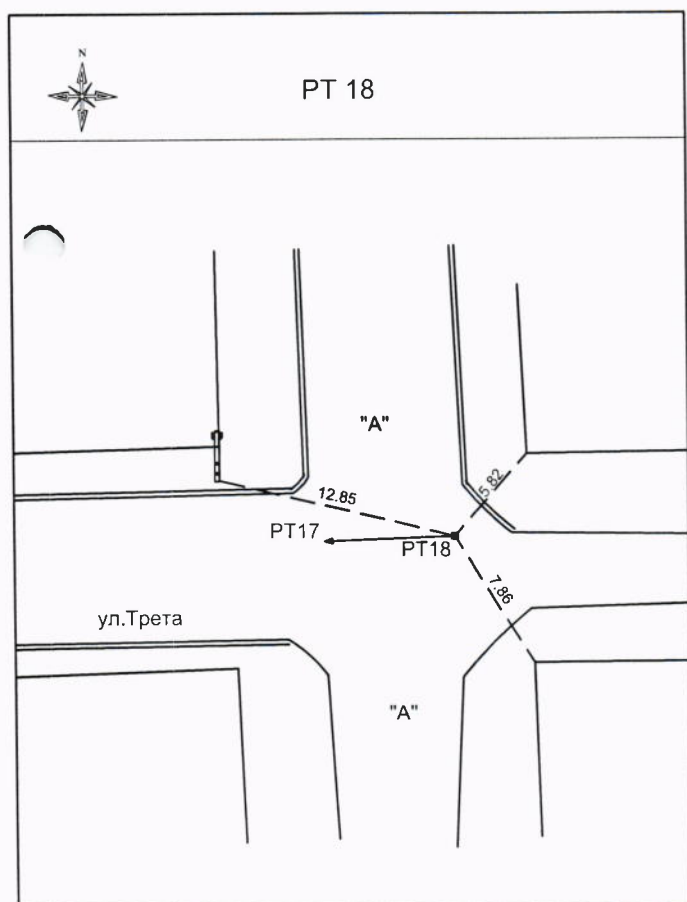
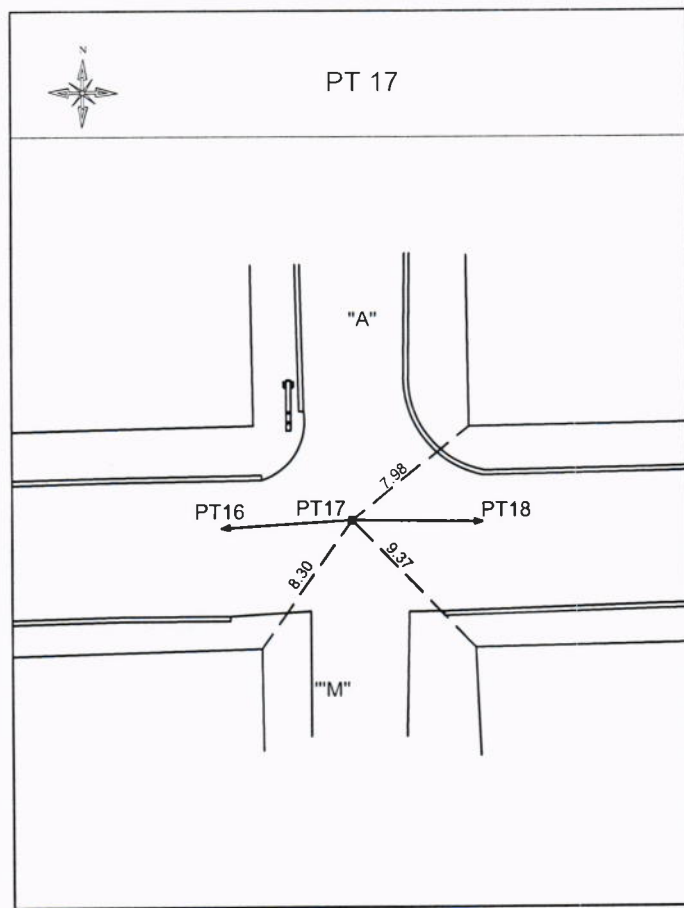
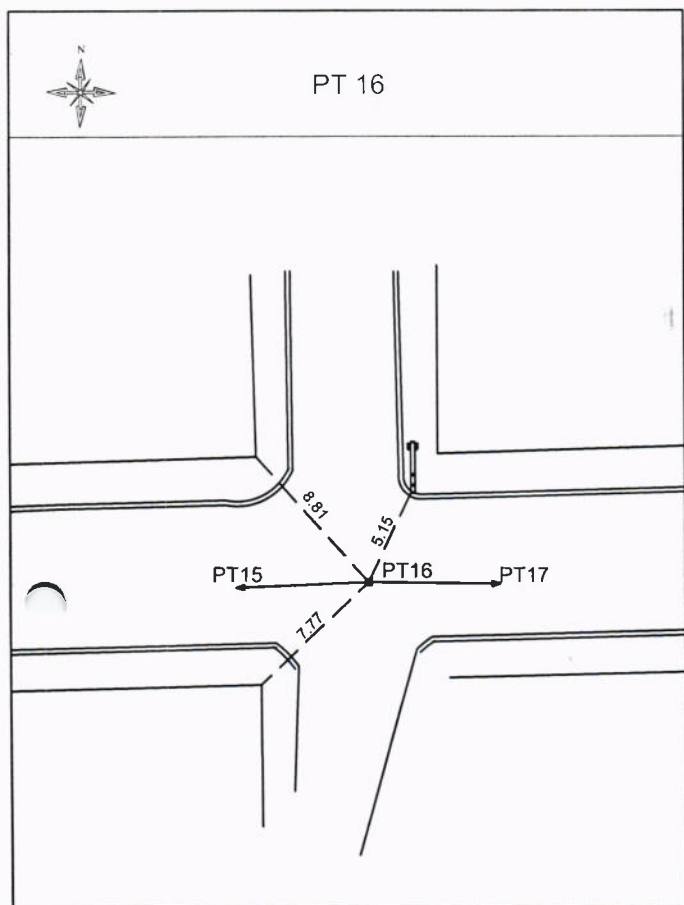
РГО на ул. "Втора" в с.Зърнево



РГО на ул.Трета в с.Зърнево



РГО на ул.Трета в с.Зърнево



КООРДИНАТЕН РЕГИСТЪР НА РГО НА

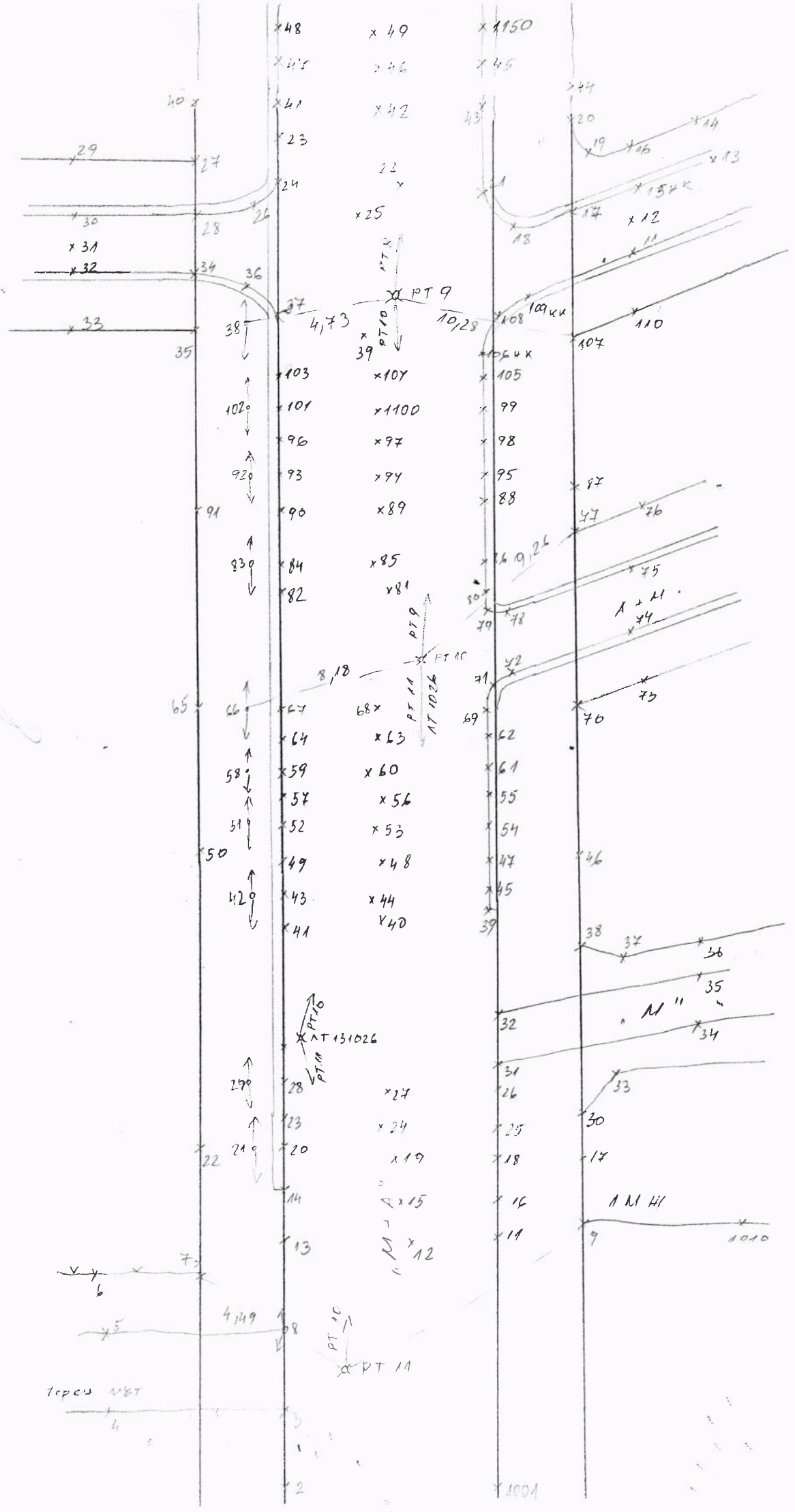
ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

Номер	X	Y	Височина
1	4731874.144	9591278.262	254.542
2	4731978.788	9591232.140	255.928
3	4732059.247	9591116.768	259.350
4	4732198.633	9590931.128	265.505
5	4732188.894	9590760.802	268.125
6	4732184.128	9590585.563	270.363
7	4732175.055	9590312.772	264.343
8	4732170.228	9590138.931	264.906
9	4732166.342	9590010.692	266.967
10	4732113.568	9589892.002	269.701
11	4732034.930	9589706.624	273.742
12	4731683.646	9589938.901	277.402
13	4731669.921	9590167.349	276.749
14	4731645.268	9590402.854	273.409
15	4731619.567	9590689.036	271.645
16	4731624.444	9590913.856	267.539
17	4731632.038	9591160.027	262.411
18	4731636.211	9591346.749	260.227

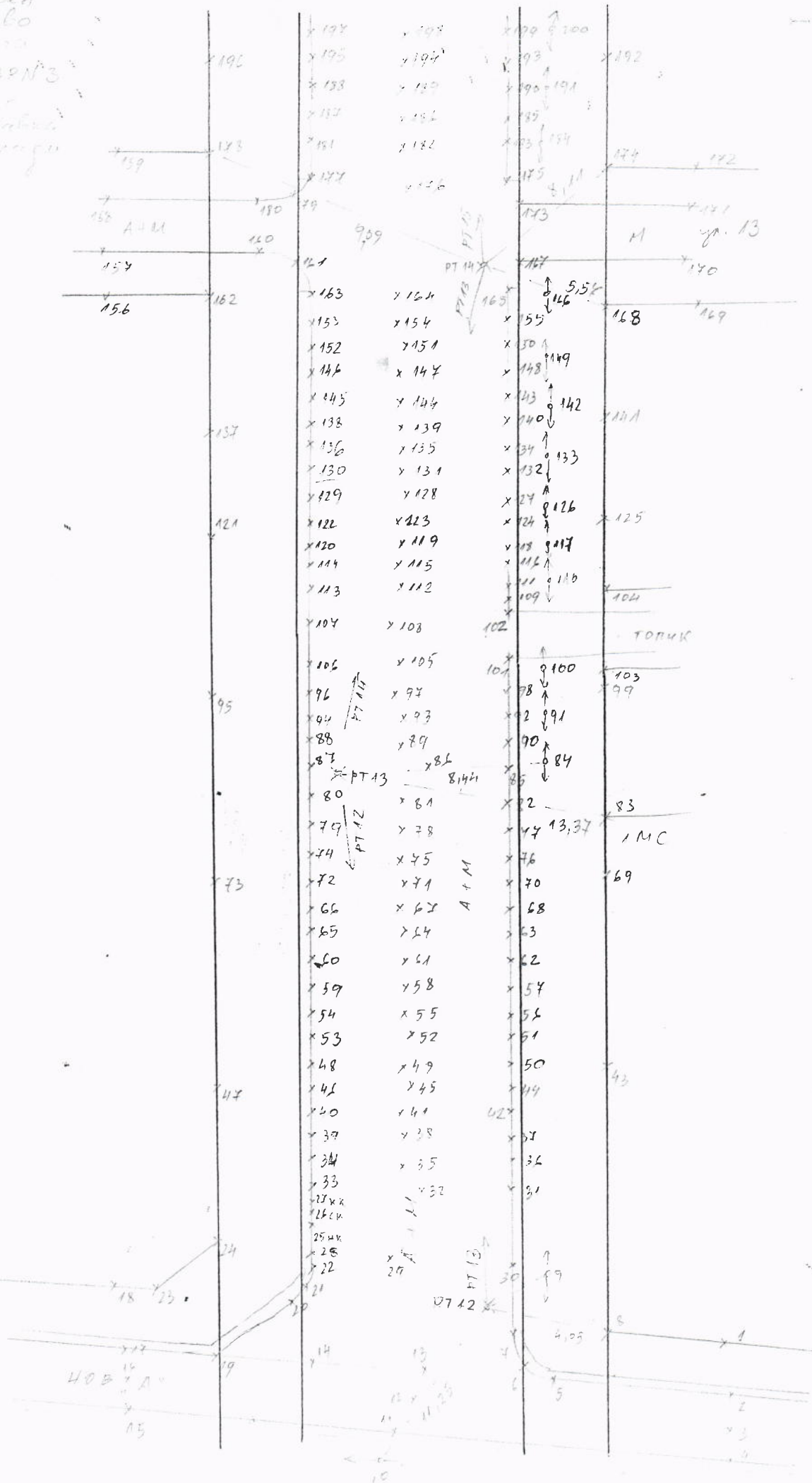
с. Зърново
ул. Втора
участок II
304 ZAKN22

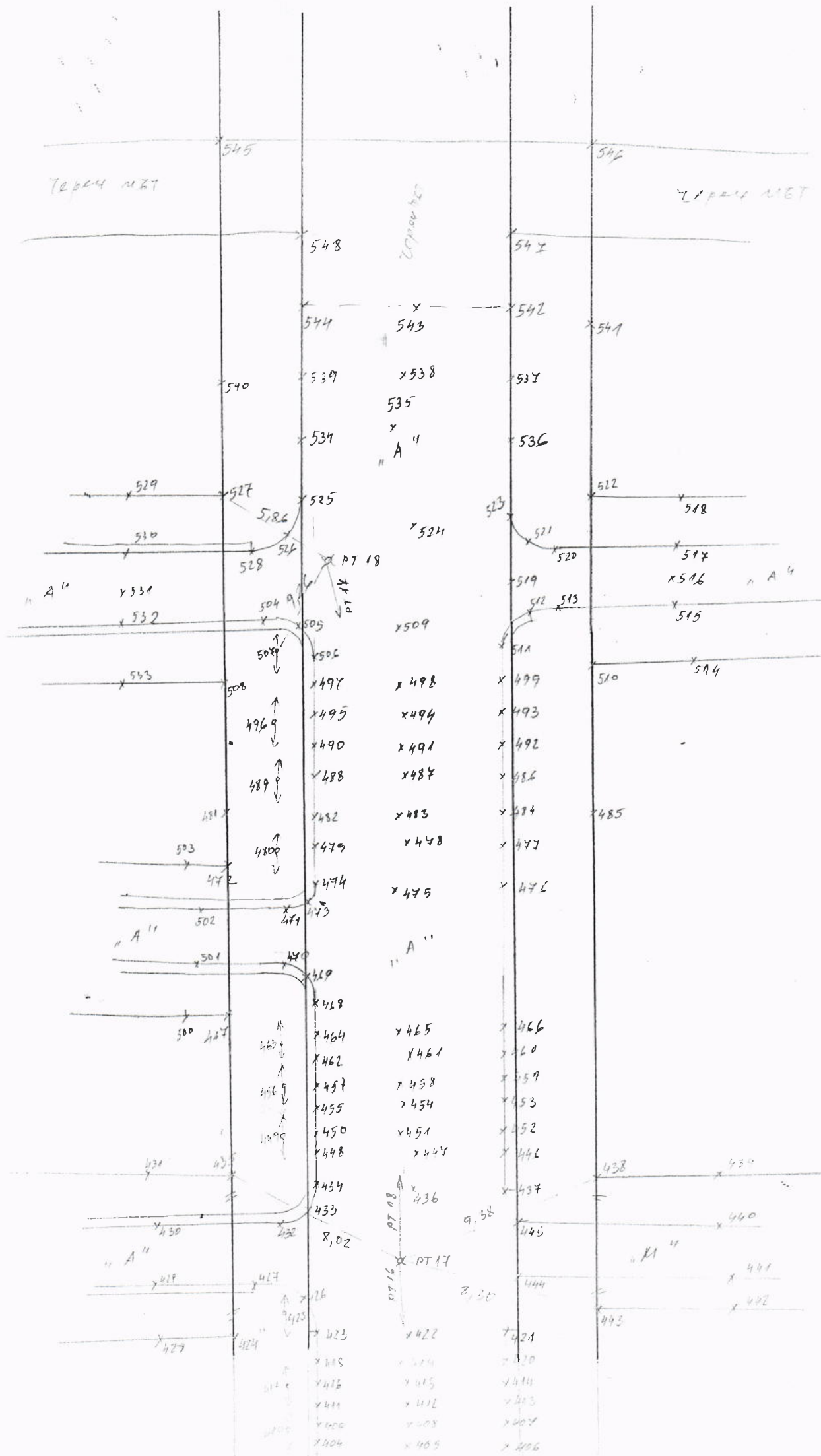
разрешение
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висока и ниска 2,4 и 4,2 м



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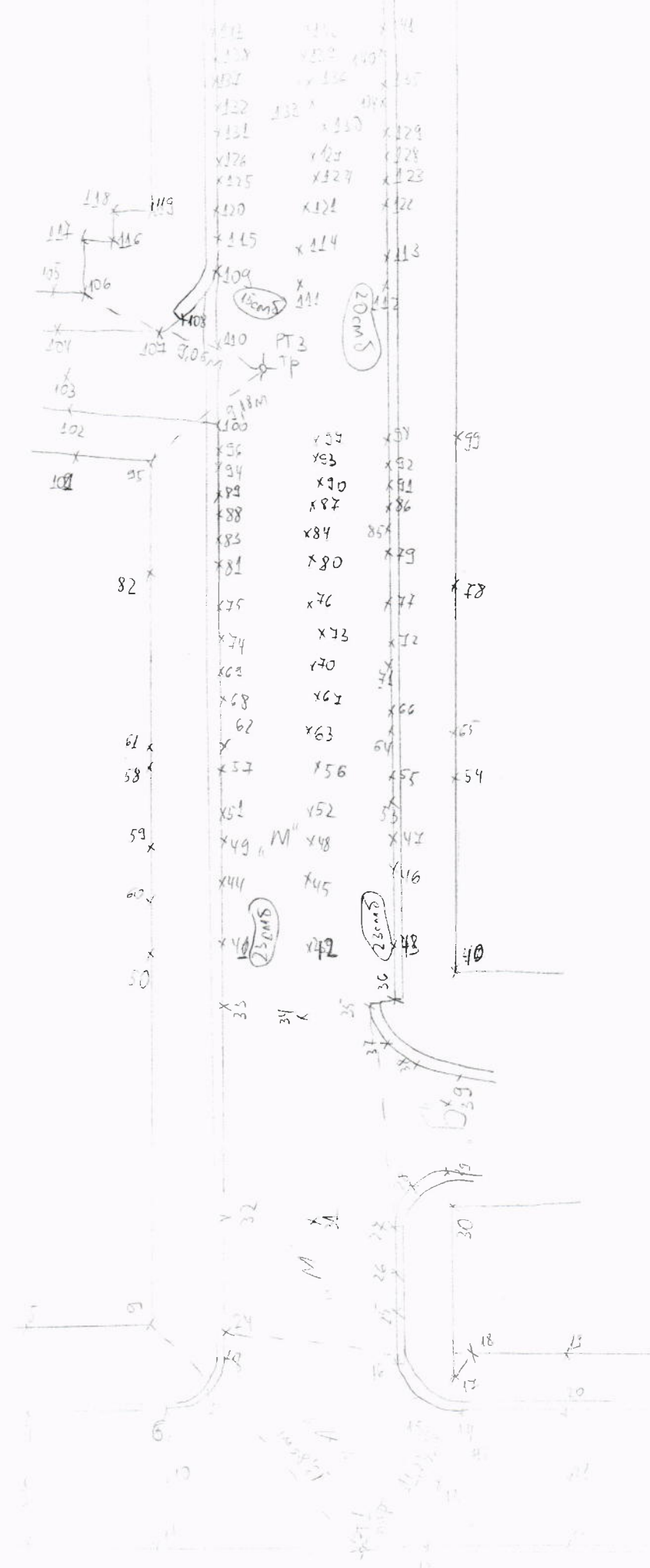
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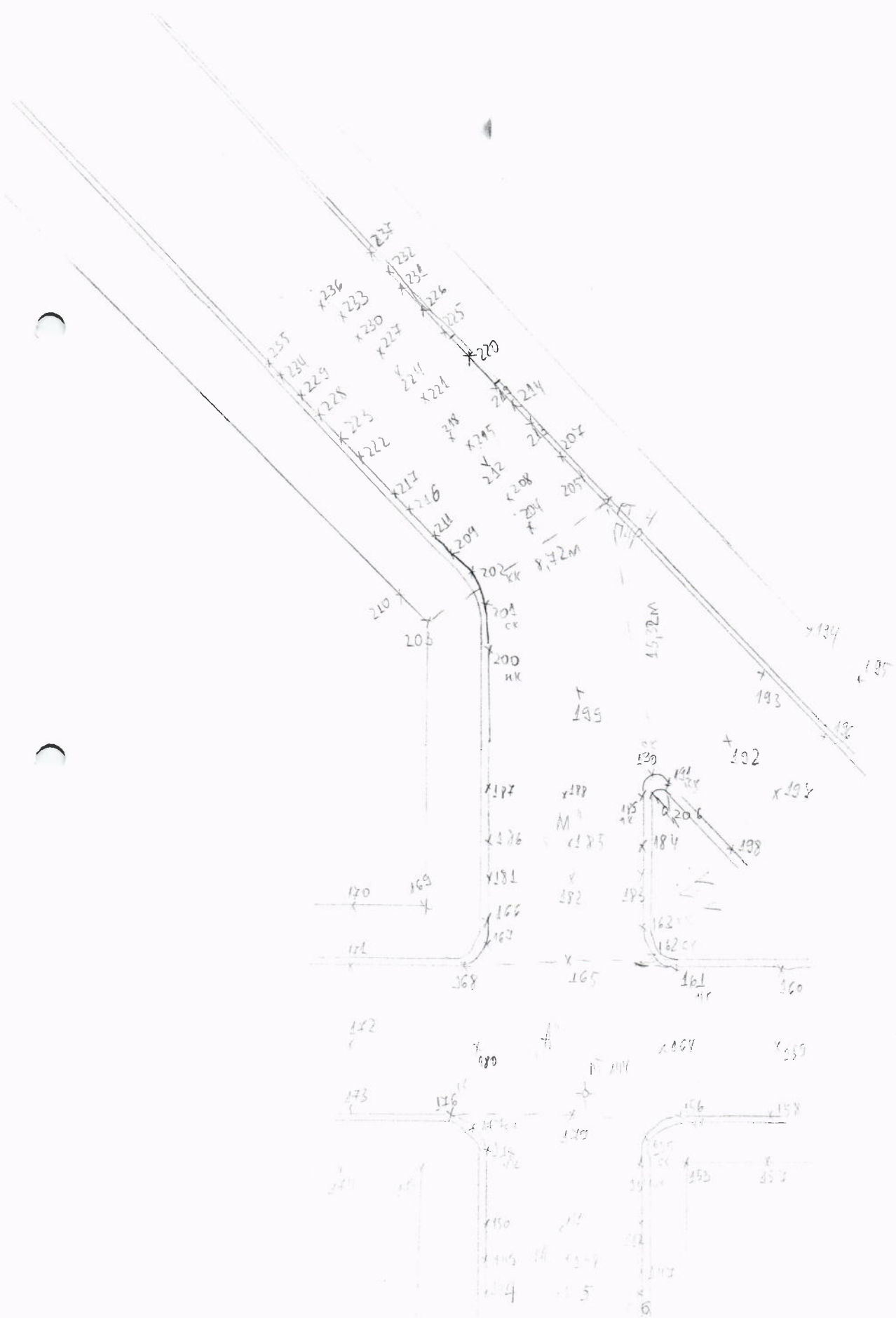


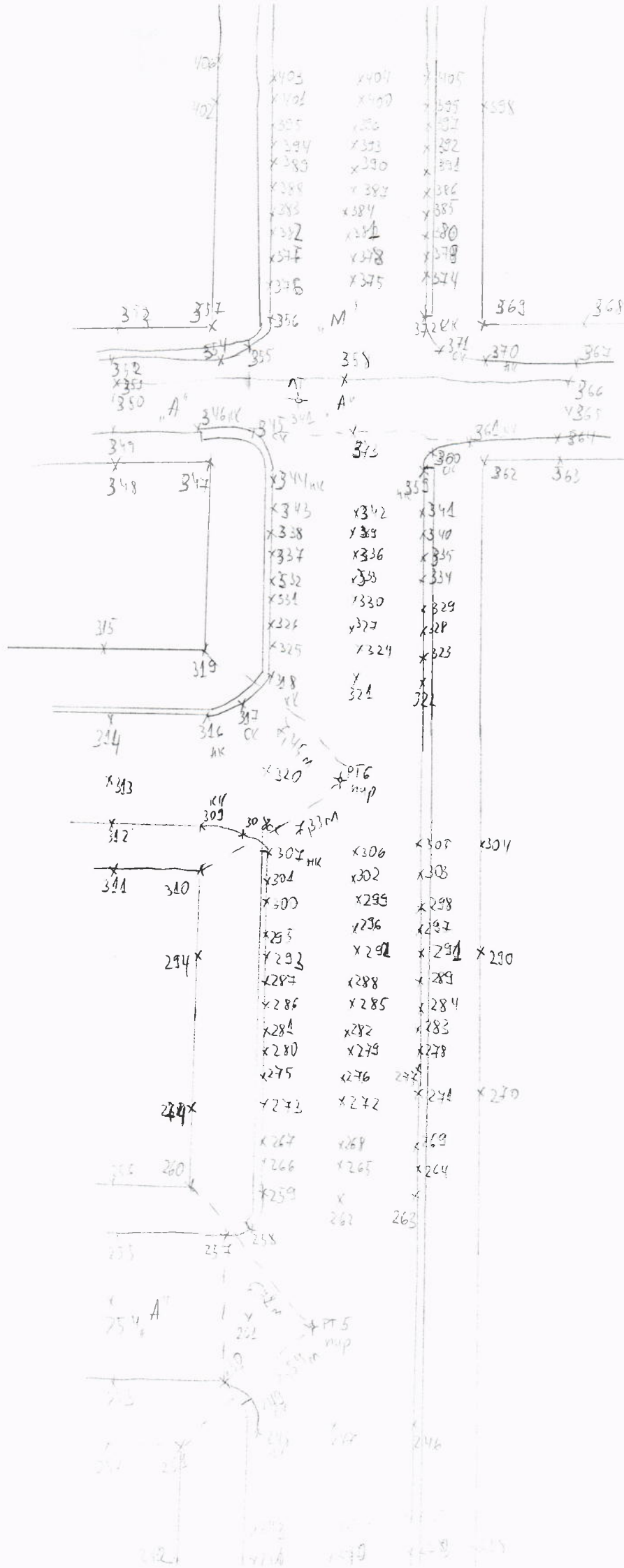


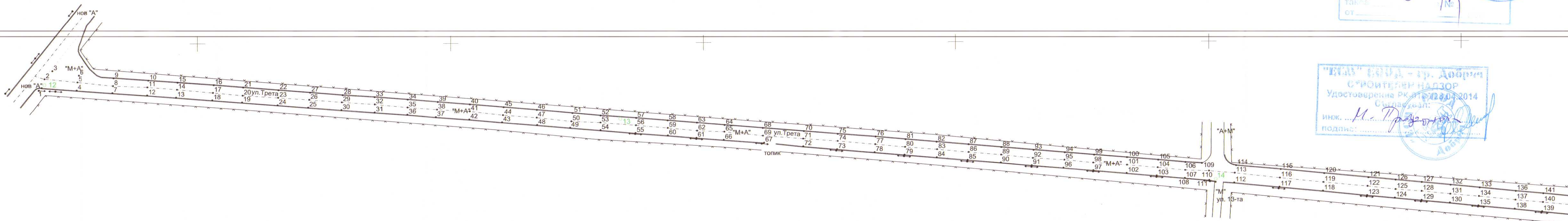
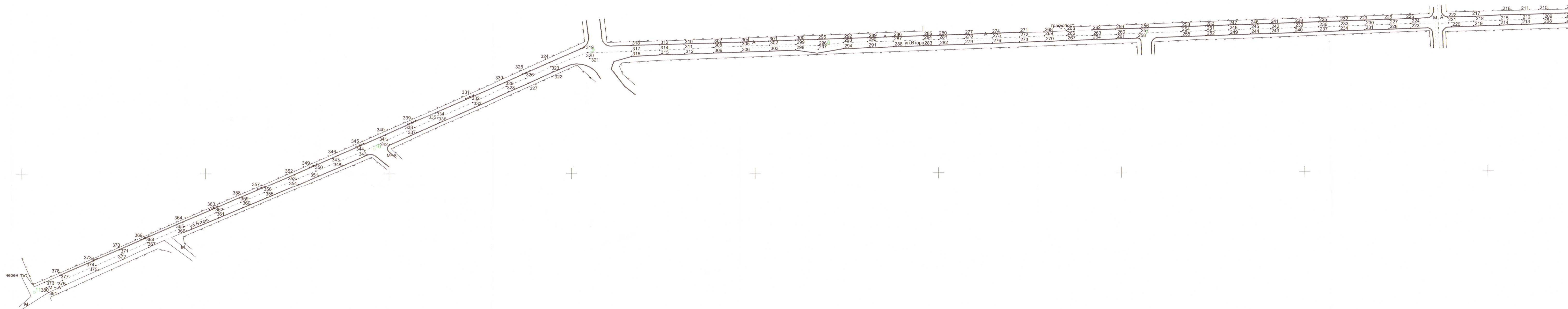
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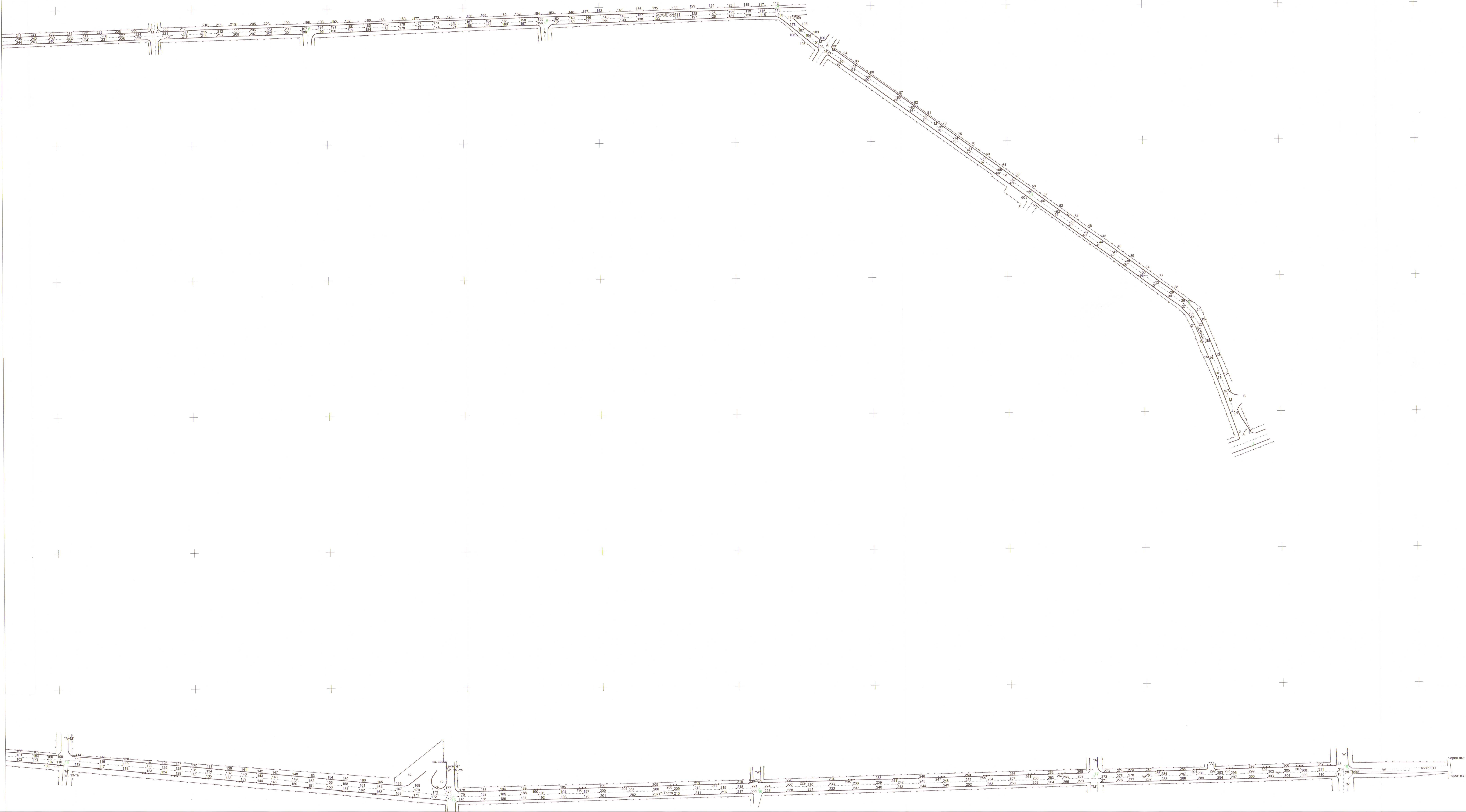
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КООРДИНАТЕН РЕГИСТЪР НА ЧУПКИТЕ

на ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

Ул."Трета"

N	X	Y	H
1	4731682.475	9589937.844	277.427
2	4731685.980	9589938.933	277.483
3	4731689.173	9589942.042	277.587
4	4731681.496	9589951.609	277.653
5	4731684.723	9589951.914	277.639
6	4731687.416	9589952.492	277.568
7	4731680.471	9589965.969	277.887
8	4731683.268	9589966.195	277.795
9	4731686.338	9589966.406	277.796
10	4731685.389	9589980.305	277.926
11	4731682.736	9589979.922	277.925
12	4731679.545	9589979.875	277.964
13	4731678.648	9589991.570	278.104
14	4731681.803	9589991.883	277.997
15	4731684.578	9589992.094	278.046
16	4731683.602	9590006.359	278.072
17	4731680.555	9590006.078	278.060
18	4731677.576	9590005.859	278.060
19	4731676.734	9590017.594	278.142
20	4731679.463	9590017.773	278.089
21	4731682.678	9590017.992	278.121

22	4731681.584	9590031.836	278.168
23	4731678.555	9590031.750	278.129
24	4731675.615	9590031.570	278.141
25	4731674.691	9590043.430	278.128
26	4731677.744	9590043.836	278.110
27	4731680.615	9590044.148	278.186
28	4731679.574	9590057.008	278.150
29	4731676.768	9590056.727	278.118
30	4731673.684	9590056.563	278.107
31	4731672.721	9590069.852	277.985
32	4731675.879	9590069.828	278.008
33	4731678.756	9590069.750	278.031
34	4731677.725	9590082.836	277.863
35	4731674.617	9590082.727	277.830
36	4731671.783	9590082.805	277.857
37	4731670.824	9590094.313	277.709
38	4731673.783	9590094.563	277.671
39	4731676.775	9590094.852	277.696
40	4731675.779	9590107.609	277.482
41	4731673.043	9590107.570	277.509
42	4731669.840	9590107.531	277.534
43	4731668.705	9590120.492	277.299
44	4731671.551	9590120.859	277.332
45	4731674.666	9590121.000	277.436
46	4731673.566	9590134.117	277.150

47	4731670.510	9590134.219	277.151
48	4731667.547	9590134.367	277.165
49	4731666.402	9590147.406	277.047
50	4731668.990	9590147.875	277.032
51	4731672.277	9590148.352	277.034
52	4731671.229	9590159.430	276.875
53	4731668.451	9590159.375	276.928
54	4731665.383	9590159.391	276.926
55	4731664.213	9590173.289	276.667
56	4731667.307	9590173.453	276.576
57	4731670.217	9590173.586	276.544
58	4731669.180	9590185.953	276.434
59	4731666.170	9590186.016	276.400
60	4731663.201	9590186.031	276.455
61	4731662.223	9590197.359	276.225
62	4731665.053	9590197.609	276.209
63	4731668.238	9590197.594	276.221
64	4731667.268	9590208.570	276.066
65	4731664.605	9590208.469	276.045
66	4731661.359	9590208.211	276.024
67	4731660.146	9590224.297	275.825
68	4731666.002	9590223.844	275.792
69	4731662.967	9590223.867	275.768
70	4731664.646	9590240.055	275.599
71	4731661.689	9590239.773	275.600

72	4731658.621	9590239.750	275.528
73	4731657.438	9590253.305	275.389
74	4731660.711	9590253.602	275.421
75	4731663.510	9590253.578	275.375
76	4731662.395	9590268.547	275.225
77	4731659.383	9590268.398	275.282
78	4731656.205	9590268.141	275.190
79	4731655.203	9590279.961	274.967
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81	4731661.314	9590280.344	275.031
82	4731660.260	9590292.633	274.840
83	4731657.322	9590292.820	274.836
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85	4731653.084	9590304.852	274.589
86	4731656.207	9590305.234	274.620
87	4731659.240	9590305.195	274.600
88	4731658.121	9590318.102	274.480
89	4731655.146	9590318.016	274.409
90	4731652.035	9590317.891	274.442
91	4731650.938	9590330.086	274.230
92	4731653.828	9590330.516	274.199
93	4731656.998	9590330.789	274.243
94	4731655.980	9590343.125	273.968
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96	4731649.904	9590342.609	273.987

97	4731648.832	9590354.445	273.923
98	4731651.910	9590354.352	273.868
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106	4731652.006	9590390.844	273.495
107	4731648.854	9590390.781	273.515
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112	4731643.832	9590410.180	273.307
113	4731647.705	9590410.375	273.297
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116	4731645.764	9590428.430	273.196
117	4731642.150	9590428.234	273.151
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119	4731643.988	9590445.727	273.106
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123	4731638.748	9590463.078	273.033
124	4731637.730	9590473.914	272.955
125	4731641.098	9590474.211	272.904
126	4731644.813	9590474.234	272.940
127	4731643.883	9590484.547	272.883
128	4731640.352	9590484.477	272.842
129	4731636.773	9590484.469	272.871
130	4731635.721	9590495.625	272.815
131	4731639.195	9590495.773	272.861
132	4731642.777	9590495.883	272.809
133	4731641.645	9590507.391	272.769
134	4731638.254	9590507.094	272.772
135	4731634.553	9590506.875	272.737
136	4731640.254	9590521.688	272.660
137	4731636.807	9590521.570	272.704
138	4731633.240	9590521.273	272.653
139	4731632.150	9590532.141	272.673
140	4731635.814	9590532.492	272.682
141	4731639.264	9590532.633	272.682
142	4731638.104	9590544.375	272.628
143	4731634.689	9590544.359	272.654
144	4731630.953	9590544.289	272.653
145	4731630.057	9590554.469	272.606
146	4731633.691	9590555.227	272.604

147	4731637.164	9590555.438	272.636
148	4731635.797	9590570.211	272.527
149	4731632.057	9590569.930	272.527
150	4731628.590	9590569.594	272.443
151	4731627.326	9590581.969	272.406
152	4731630.834	9590582.180	272.446
153	4731634.604	9590582.563	272.402
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155	4731629.549	9590595.711	272.335
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162	4731623.760	9590619.234	272.218
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167	4731624.578	9590646.438	271.970
168	4731621.219	9590646.000	272.056
169	4731627.031	9590659.930	271.918
170	4731623.758	9590659.641	271.839
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172	4731618.584	9590672.266	271.780
173	4731621.969	9590673.203	271.731
174	4731625.757	9590673.707	271.836
175	4731617.531	9590683.070	271.688
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187	4731617.324	9590738.266	271.027
188	4731621.043	9590738.539	271.019
189	4731624.385	9590738.422	270.970
190	4731624.754	9590751.438	270.838
191	4731620.967	9590751.703	270.837
192	4731617.617	9590751.680	270.839
193	4731617.963	9590767.594	270.564
194	4731621.709	9590767.383	270.535
195	4731624.998	9590767.180	270.536
196	4731625.432	9590784.320	270.208

197	4731621.854	9590784.258	270.169
198	4731618.396	9590784.328	270.212
199	4731625.744	9590795.961	269.979
200	4731622.379	9590796.305	269.978
201	4731618.676	9590796.500	270.022
202	4731619.148	9590818.445	269.613
203	4731622.801	9590817.398	269.639
204	4731626.293	9590817.664	269.657
205	4731626.668	9590834.938	269.264
206	4731623.189	9590835.570	269.211
207	4731619.574	9590835.117	269.245
208	4731627.076	9590850.883	268.992
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211	4731620.361	9590866.625	268.645
212	4731623.947	9590866.055	268.614
213	4731627.350	9590865.766	268.689
214	4731627.852	9590884.305	268.179
215	4731624.098	9590885.109	268.163
216	4731620.795	9590885.500	268.227
217	4731621.092	9590897.633	267.962
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219	4731628.334	9590897.594	267.922
220	4731628.512	9590906.320	267.689
221	4731624.949	9590908.125	267.733

222	4731621.307	9590907.938	267.716
223	4731621.631	9590917.664	267.520
224	4731624.871	9590917.703	267.491
225	4731628.791	9590916.578	267.544
226	4731629.207	9590933.711	267.081
227	4731625.717	9590934.102	267.100
228	4731622.008	9590934.234	267.034
229	4731629.504	9590948.875	266.792
230	4731625.947	9590949.125	266.766
231	4731622.379	9590949.188	266.711
232	4731622.807	9590965.102	266.378
233	4731626.234	9590964.945	266.367
234	4731629.861	9590964.789	266.412
235	4731630.254	9590982.195	265.907
236	4731626.648	9590982.516	265.943
237	4731623.148	9590982.625	266.017
238	4731630.607	9590999.047	265.425
239	4731627.051	9590999.359	265.472
240	4731623.529	9590999.523	265.601
241	4731630.939	9591015.461	265.098
242	4731627.127	9591015.344	265.065
243	4731623.869	9591014.984	265.165
244	4731624.240	9591031.906	264.699
245	4731627.719	9591031.398	264.648
246	4731631.352	9591031.297	264.738

247	4731631.773	9591048.516	264.283
248	4731628.061	9591048.727	264.226
249	4731624.682	9591048.984	264.363
250	4731632.205	9591065.039	263.933
251	4731628.760	9591065.445	263.915
252	4731625.176	9591065.641	263.966
253	4731625.484	9591081.305	263.753
254	4731628.980	9591081.391	263.586
255	4731632.561	9591081.336	263.631
256	4731632.896	9591097.617	263.368
257	4731629.354	9591097.594	263.377
258	4731625.869	9591097.813	263.440
259	4731626.191	9591114.508	263.171
260	4731629.350	9591114.641	263.114
261	4731633.299	9591114.570	263.083
262	4731633.557	9591125.867	262.983
263	4731629.807	9591126.023	262.919
264	4731626.494	9591126.180	262.988
265	4731626.715	9591137.195	262.845
266	4731630.105	9591137.023	262.764
267	4731633.805	9591136.938	262.857
268	4731634.051	9591147.477	262.685
269	4731630.537	9591147.711	262.688
270	4731626.992	9591147.938	262.730
271	4731627.271	9591164.906	262.379

272	4731630.258	9591165.164	262.306
273	4731634.412	9591167.094	262.321
274	4731634.586	9591176.570	262.112
275	4731630.764	9591176.492	262.089
276	4731627.621	9591176.531	262.187
277	4731627.777	9591184.898	262.087
278	4731631.178	9591184.859	262.056
279	4731634.797	9591184.672	262.091
280	4731635.145	9591197.945	261.958
281	4731631.305	9591198.047	261.918
282	4731628.074	9591197.875	262.013
283	4731628.326	9591209.586	261.857
284	4731632.066	9591209.500	261.753
285	4731635.355	9591209.664	261.770
286	4731635.572	9591223.047	261.534
287	4731631.787	9591223.156	261.589
288	4731628.543	9591223.234	261.652
289	4731628.801	9591236.391	261.511
290	4731632.383	9591235.891	261.369
291	4731635.988	9591235.734	261.386
292	4731636.359	9591250.344	261.198
293	4731632.709	9591250.344	261.228
294	4731629.076	9591250.367	261.330
295	4731636.646	9591260.172	261.119
296	4731632.490	9591260.320	261.118

297	4731629.348	9591260.484	261.235
298	4731636.984	9591273.438	260.982
299	4731633.477	9591273.484	260.966
300	4731629.621	9591273.539	261.077
301	4731637.336	9591287.250	260.804
302	4731633.197	9591287.891	260.795
303	4731629.852	9591287.648	260.892
304	4731630.109	9591299.711	260.820
305	4731633.926	9591299.477	260.587
306	4731637.605	9591298.992	260.593
307	4731637.867	9591311.570	260.422
308	4731633.871	9591312.117	260.464
309	4731630.453	9591312.250	260.565
310	4731630.617	9591324.672	260.458
311	4731634.451	9591324.523	260.362
312	4731638.215	9591324.141	260.321
313	4731638.465	9591337.414	260.047
314	4731634.361	9591339.172	260.157
315	4731630.787	9591337.195	260.301

КООРДИНАТЕН РЕГИСТЪР НА ЧУПКИТЕ

на ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"

ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община Тервел" - ул."Втора" и ул."Трета"

Ул. "Втора"

№	X	Y	H
1	4731885.621	9591276.930	254.238
2	4731884.511	9591272.952	254.238
3	4731883.498	9591268.273	254.507
4	4731898.584	9591262.961	254.496
5	4731899.648	9591265.766	254.445
6	4731900.982	9591267.969	254.404
7	4731914.348	9591262.258	254.444
8	4731913.033	9591260.477	254.355
9	4731913.135	9591257.711	254.423
10	4731926.035	9591252.688	254.614
11	4731926.609	9591255.516	254.509
12	4731927.199	9591257.969	254.559
13	4731941.838	9591252.398	254.831
14	4731940.863	9591250.016	254.768
15	4731940.006	9591247.344	254.820
16	4731951.465	9591242.688	255.087
17	4731952.428	9591245.469	255.023
18	4731953.365	9591247.859	255.137
19	4731965.818	9591242.461	255.499
20	4731964.730	9591239.813	255.327
21	4731963.674	9591237.422	255.394

22	4731970.000	9591233.734	255.652
23	4731971.854	9591236.102	255.584
24	4731973.336	9591238.227	255.797
25	4731981.271	9591231.266	256.035
26	4731979.146	9591229.141	255.873
27	4731977.195	9591227.281	255.884
28	4731989.500	9591220.328	256.266
29	4731987.404	9591218.891	256.124
30	4731984.713	9591216.852	256.248
31	4731992.549	9591206.141	256.675
32	4731994.816	9591207.672	256.516
33	4731997.307	9591209.469	256.679
34	4732004.492	9591199.445	256.908
35	4732002.359	9591197.844	256.842
36	4731999.928	9591195.930	256.904
37	4732008.088	9591184.844	257.243
38	4732010.463	9591186.664	257.137
39	4732012.719	9591188.102	257.329
40	4732019.834	9591178.250	257.665
41	4732017.701	9591176.805	257.525
42	4732015.225	9591174.969	257.534
43	4732022.582	9591164.797	257.950
44	4732024.635	9591166.195	257.913
45	4732027.201	9591168.086	258.022
46	4732034.461	9591157.820	258.375

47	4732032.074	9591156.461	258.192
48	4732029.857	9591154.883	258.322
49	4732037.297	9591144.586	258.623
50	4732039.752	9591145.852	258.578
51	4732041.893	9591147.766	258.759
52	4732049.813	9591136.750	259.026
53	4732047.746	9591135.063	258.907
54	4732045.428	9591133.367	258.946
55	4732053.178	9591122.688	259.205
56	4732055.221	9591124.023	259.167
57	4732057.818	9591125.734	259.289
58	4732064.453	9591116.555	259.448
59	4732062.225	9591114.766	259.389
60	4732059.664	9591113.672	259.421
61	4732068.648	9591101.336	259.665
62	4732071.002	9591102.742	259.635
63	4732072.990	9591104.727	259.764
64	4732080.750	9591094.039	260.090
65	4732078.561	9591092.563	259.963
66	4732076.193	9591090.945	260.044
67	4732084.367	9591079.750	260.476
68	4732086.535	9591081.500	260.424
69	4732088.670	9591083.250	260.479
70	4732096.227	9591072.891	260.807
71	4732093.926	9591071.352	260.762

72	4732091.633	9591069.891	260.787
73	4732099.508	9591059.117	261.111
74	4732101.914	9591060.953	261.117
75	4732104.016	9591062.297	261.157
76	4732111.754	9591051.734	261.529
77	4732109.820	9591050.133	261.468
78	4732107.373	9591048.352	261.431
79	4732115.432	9591037.258	261.784
80	4732117.926	9591039.063	261.817
81	4732119.816	9591040.586	261.837
82	4732127.141	9591030.328	262.101
83	4732124.973	9591028.828	262.067
84	4732122.744	9591026.992	262.073
85	4732130.324	9591016.398	262.353
86	4732132.762	9591018.438	262.387
87	4732134.678	9591019.789	262.405
88	4732149.959	9590998.320	262.925
89	4732147.742	9590996.711	262.782
90	4732145.330	9590995.375	262.819
91	4732152.838	9590984.750	263.138
92	4732154.992	9590986.250	263.071
93	4732157.172	9590987.969	263.119
94	4732163.326	9590979.391	263.513
95	4732161.006	9590977.797	263.356
96	4732158.674	9590976.563	263.407

97	4732163.602	9590969.578	263.647
98	4732167.404	9590968.648	263.721
99	4732168.684	9590971.938	263.705
100	4732174.463	9590963.891	264.017
101	4732172.093	9590961.946	263.748
102	4732170.434	9590959.906	264.000
103	4732179.504	9590957.414	264.278
104	4732177.270	9590955.523	264.164
105	4732175.361	9590953.852	264.278
106	4732181.641	9590946.148	264.682
107	4732183.732	9590947.727	264.573
108	4732185.631	9590949.031	264.648
109	4732189.982	9590944.289	264.952
110	4732189.258	9590941.242	264.849
111	4732187.135	9590939.383	264.936
112	4732198.484	9590929.094	265.336
113	4732195.705	9590929.250	265.192
114	4732192.846	9590930.492	265.160
115	4732192.533	9590918.523	265.458
116	4732195.434	9590918.164	265.366
117	4732198.104	9590918.086	265.441
118	4732197.768	9590907.242	265.534
119	4732195.170	9590907.625	265.454
120	4732192.330	9590907.563	265.478
121	4732191.900	9590895.063	265.738

122	4732194.678	9590895.180	265.703
123	4732197.457	9590895.016	265.757
124	4732196.889	9590881.516	266.045
125	4732194.102	9590881.422	265.949
126	4732191.434	9590881.539	266.072
127	4732191.023	9590867.797	266.245
128	4732193.666	9590867.836	266.118
129	4732196.609	9590867.625	266.235
130	4732196.143	9590854.852	266.390
131	4732193.061	9590855.406	266.254
132	4732190.604	9590855.453	266.349
133	4732190.102	9590840.242	266.522
134	4732193.080	9590840.203	266.447
135	4732195.594	9590840.063	266.517
136	4732195.279	9590827.930	266.666
137	4732192.854	9590827.844	266.639
138	4732189.881	9590827.781	266.689
139	4732189.375	9590815.102	266.985
140	4732192.125	9590814.859	266.837
141	4732194.824	9590814.695	266.946
142	4732194.395	9590801.453	267.164
143	4732191.537	9590802.375	267.093
144	4732188.939	9590801.844	267.120
145	4732188.559	9590789.828	267.419
146	4732191.244	9590789.578	267.363

147	4732194.012	9590789.648	267.427
148	4732193.598	9590777.703	267.743
149	4732190.990	9590777.508	267.657
150	4732188.180	9590777.453	267.764
151	4732187.900	9590766.477	268.077
152	4732190.465	9590765.922	268.009
153	4732193.254	9590765.656	268.026
154	4732192.938	9590754.961	268.359
155	4732190.139	9590754.508	268.257
156	4732187.373	9590754.289	268.307
157	4732187.115	9590741.859	268.603
158	4732189.680	9590741.820	268.500
159	4732192.559	9590741.570	268.673
160	4732186.662	9590728.406	268.842
161	4732189.164	9590728.313	268.775
162	4732192.092	9590728.063	268.891
163	4732186.281	9590716.258	268.979
164	4732188.965	9590716.203	268.925
165	4732191.689	9590716.219	269.022
166	4732191.268	9590701.922	269.258
167	4732188.580	9590702.141	269.073
168	4732185.799	9590701.891	269.204
169	4732185.406	9590690.461	269.375
170	4732187.887	9590690.359	269.281
171	4732190.930	9590689.984	269.367

172	4732190.475	9590677.563	269.587
173	4732187.855	9590677.578	269.513
174	4732184.895	9590678.047	269.596
175	4732184.641	9590664.602	269.766
176	4732187.422	9590664.656	269.721
177	4732190.021	9590664.195	269.723
178	4732184.221	9590652.336	269.961
179	4732187.012	9590652.367	269.889
180	4732189.586	9590652.242	269.868
181	4732183.889	9590640.328	270.209
182	4732186.486	9590640.359	270.059
183	4732189.271	9590640.078	270.139
184	4732183.414	9590627.547	270.318
185	4732186.365	9590627.328	270.235
186	4732188.814	9590626.953	270.290
187	4732188.416	9590614.195	270.400
188	4732185.660	9590614.156	270.366
189	4732183.047	9590614.508	270.412
190	4732182.594	9590601.898	270.424
191	4732185.324	9590601.992	270.391
192	4732188.000	9590601.766	270.424
193	4732187.725	9590592.477	270.393
194	4732185.225	9590592.516	270.426
195	4732182.189	9590592.680	270.460
196	4732181.789	9590580.359	270.404

197	4732184.307	9590580.516	270.240
198	4732187.332	9590580.453	270.362
199	4732186.912	9590568.016	270.083
200	4732184.254	9590568.422	270.037
201	4732181.584	9590568.453	270.118
202	4732181.203	9590554.750	269.847
203	4732183.836	9590554.883	269.816
204	4732186.420	9590554.336	269.927
205	4732186.178	9590542.469	269.679
206	4732183.773	9590542.711	269.592
207	4732180.908	9590542.711	269.603
208	4732180.527	9590530.461	269.374
209	4732183.205	9590530.727	269.312
210	4732185.836	9590530.664	269.351
211	4732185.389	9590518.070	268.980
212	4732182.787	9590518.719	269.008
213	4732180.191	9590518.438	269.097
214	4732179.799	9590506.625	268.765
215	4732182.316	9590506.742	268.675
216	4732185.254	9590507.203	268.646
217	4732184.504	9590493.320	268.311
218	4732181.887	9590492.578	268.279
219	4732179.320	9590492.469	268.406
220	4732178.912	9590480.609	268.102
221	4732180.940	9590478.977	267.817

222	4732184.158	9590478.484	267.945
223	4732178.225	9590458.352	267.280
224	4732180.813	9590458.461	267.100
225	4732183.377	9590458.266	267.273
226	4732183.033	9590446.508	266.962
227	4732180.357	9590446.492	266.713
228	4732177.836	9590446.375	266.916
229	4732182.594	9590433.039	266.624
230	4732179.939	9590433.344	266.480
231	4732177.402	9590433.180	266.615
232	4732182.152	9590419.242	266.319
233	4732179.430	9590419.438	266.203
234	4732176.975	9590419.289	266.253
235	4732181.785	9590407.664	266.069
236	4732179.082	9590407.813	265.955
237	4732176.602	9590407.953	266.005
238	4732181.350	9590394.508	265.791
239	4732178.781	9590394.672	265.584
240	4732176.154	9590394.367	265.780
241	4732180.920	9590381.164	265.465
242	4732178.154	9590381.508	265.317
243	4732175.752	9590381.414	265.501
244	4732175.479	9590370.461	265.213
245	4732178.162	9590370.398	265.143
246	4732180.602	9590370.109	265.178

247	4732180.203	9590358.461	264.945
248	4732177.590	9590358.625	264.910
249	4732175.033	9590358.789	265.004
250	4732179.832	9590345.992	264.760
251	4732177.361	9590346.195	264.680
252	4732174.666	9590346.203	264.706
253	4732179.414	9590332.805	264.557
254	4732176.762	9590332.617	264.479
255	4732174.209	9590332.875	264.521
256	4732178.701	9590310.367	264.272
257	4732176.119	9590310.297	264.279
258	4732173.498	9590308.758	264.331
259	4732178.305	9590296.828	264.210
260	4732175.404	9590297.500	264.183
261	4732173.107	9590297.359	264.283
262	4732177.873	9590284.063	264.152
263	4732174.854	9590284.344	264.077
264	4732172.723	9590284.172	264.146
265	4732177.518	9590270.117	263.942
266	4732174.811	9590270.180	264.139
267	4732172.283	9590270.422	264.218
268	4732176.869	9590257.938	264.126
269	4732174.760	9590258.156	264.202
270	4732171.875	9590258.594	264.280
271	4732176.629	9590244.477	264.249

272	4732174.158	9590244.586	264.249
273	4732171.457	9590244.625	264.263
274	4732176.131	9590229.078	264.380
275	4732173.732	9590229.594	264.324
276	4732170.947	9590229.813	264.351
277	4732175.652	9590214.219	264.426
278	4732173.471	9590214.273	264.409
279	4732170.445	9590214.313	264.410
280	4732175.182	9590199.930	264.483
281	4732172.957	9590200.242	264.424
282	4732169.963	9590200.609	264.546
283	4732169.721	9590192.047	264.534
284	4732172.805	9590191.852	264.451
285	4732174.977	9590191.930	264.435
286	4732174.498	9590175.375	264.510
287	4732172.143	9590175.523	264.529
288	4732169.246	9590175.875	264.507
289	4732173.994	9590161.727	264.580
290	4732171.832	9590161.602	264.639
291	4732168.732	9590161.664	264.649
292	4732173.611	9590148.289	264.734
293	4732171.408	9590148.328	264.766
294	4732168.289	9590148.422	264.755
295	4732173.145	9590134.086	264.873
296	4732169.830	9590134.484	264.957

297	4732167.844	9590134.508	264.880
298	4732167.525	9590122.250	265.000
299	4732170.340	9590122.383	265.036
300	4732172.809	9590122.281	264.992
301	4732172.299	9590107.523	265.129
302	4732170.133	9590107.938	265.178
303	4732166.994	9590108.148	265.089
304	4732171.783	9590092.289	265.380
305	4732169.627	9590092.469	265.377
306	4732166.500	9590092.508	265.361
307	4732171.266	9590077.383	265.551
308	4732168.945	9590077.375	265.577
309	4732166.018	9590077.453	265.550
310	4732170.850	9590061.250	265.904
311	4732168.143	9590061.273	265.864
312	4732165.484	9590061.672	265.852
313	4732170.477	9590048.023	266.151
314	4732167.541	9590047.992	266.157
315	4732165.037	9590048.141	266.152
316	4732164.225	9590032.820	266.435
317	4732167.010	9590032.789	266.472
318	4732170.105	9590032.609	266.488
319	4732168.738	9590006.305	267.073
320	4732166.324	9590008.766	267.011
321	4732163.126	9590010.082	267.065

322	4732155.826	9589989.914	267.227
323	4732158.488	9589988.625	267.230
324	4732160.707	9589987.789	267.293
325	4732154.896	9589974.430	266.455
326	4732152.174	9589974.781	266.423
327	4732149.613	9589976.141	266.501
328	4732144.918	9589965.398	266.707
329	4732147.826	9589964.086	267.706
330	4732149.896	9589963.258	267.762
331	4732141.699	9589944.508	268.368
332	4732139.053	9589945.570	268.337
333	4732136.551	9589946.719	268.336
334	4732133.305	9589925.125	268.991
335	4732130.537	9589926.273	268.932
336	4732127.986	9589927.477	268.865
337	4732122.486	9589915.094	269.230
338	4732125.236	9589913.930	269.248
339	4732127.811	9589912.641	269.240
340	4732121.156	9589897.867	269.514
341	4732118.459	9589899.117	269.460
342	4732115.842	9589900.328	269.463
343	4732110.404	9589888.102	269.865
344	4732112.598	9589886.586	269.846
345	4732115.324	9589884.398	269.934
346	4732109.949	9589872.086	270.191

347	4732107.143	9589873.219	270.146
348	4732104.391	9589874.414	270.144
349	4732104.143	9589858.891	270.566
350	4732101.541	9589860.094	270.388
351	4732098.873	9589861.406	270.402
352	4732099.488	9589848.297	270.961
353	4732097.102	9589849.422	270.783
354	4732094.111	9589850.555	270.783
355	4732086.781	9589833.273	271.297
356	4732089.469	9589831.852	271.267
357	4732091.904	9589830.656	271.250
358	4732086.535	9589818.305	271.547
359	4732084.213	9589819.148	271.506
360	4732081.412	9589820.313	271.523
361	4732075.693	9589806.922	271.885
362	4732078.459	9589805.695	271.892
363	4732080.715	9589804.680	271.955
364	4732073.305	9589787.711	272.331
365	4732070.877	9589788.664	272.222
366	4732068.467	9589789.711	272.132
367	4732059.547	9589769.063	272.730
368	4732061.982	9589768.258	272.839
369	4732064.301	9589766.969	272.828
370	4732058.178	9589752.953	273.171
371	4732055.711	9589754.070	273.286

372	4732052.912	9589755.000	273.288
373	4732052.113	9589739.047	273.349
374	4732049.580	9589740.234	273.414
375	4732047.127	9589741.719	273.391
376	4732039.092	9589723.727	273.620
377	4732041.500	9589722.117	273.769
378	4732044.154	9589720.664	273.808
379	4732040.471	9589712.273	273.830
380	4732037.527	9589713.086	273.846
381	4732034.936	9589714.367	273.739

С. П. ТЕРВІД
Директор "ОС" (довереність)
архив
гр. Тернопіль
такса
от _____ лв. кв. № _____
200

"ТДМ" ПАВЛ - гр. Азербайжан
СТРОИТЕЛЬ НАДЗОР
Удостоверение № Д-068728.04.2014
Сфера деятельности:
(Handwritten signature)
ИНН
Подпись

КАМАРА НА КЪЛЕНЕЖИТЕ И ИНВЕСТИЦИИ НАЦИОНАЛНА ПРОТЕКЦИОННА
 ИТЪНА ПРОТЕКЦИОННА ПРАВОСОБОРОСНОСТ

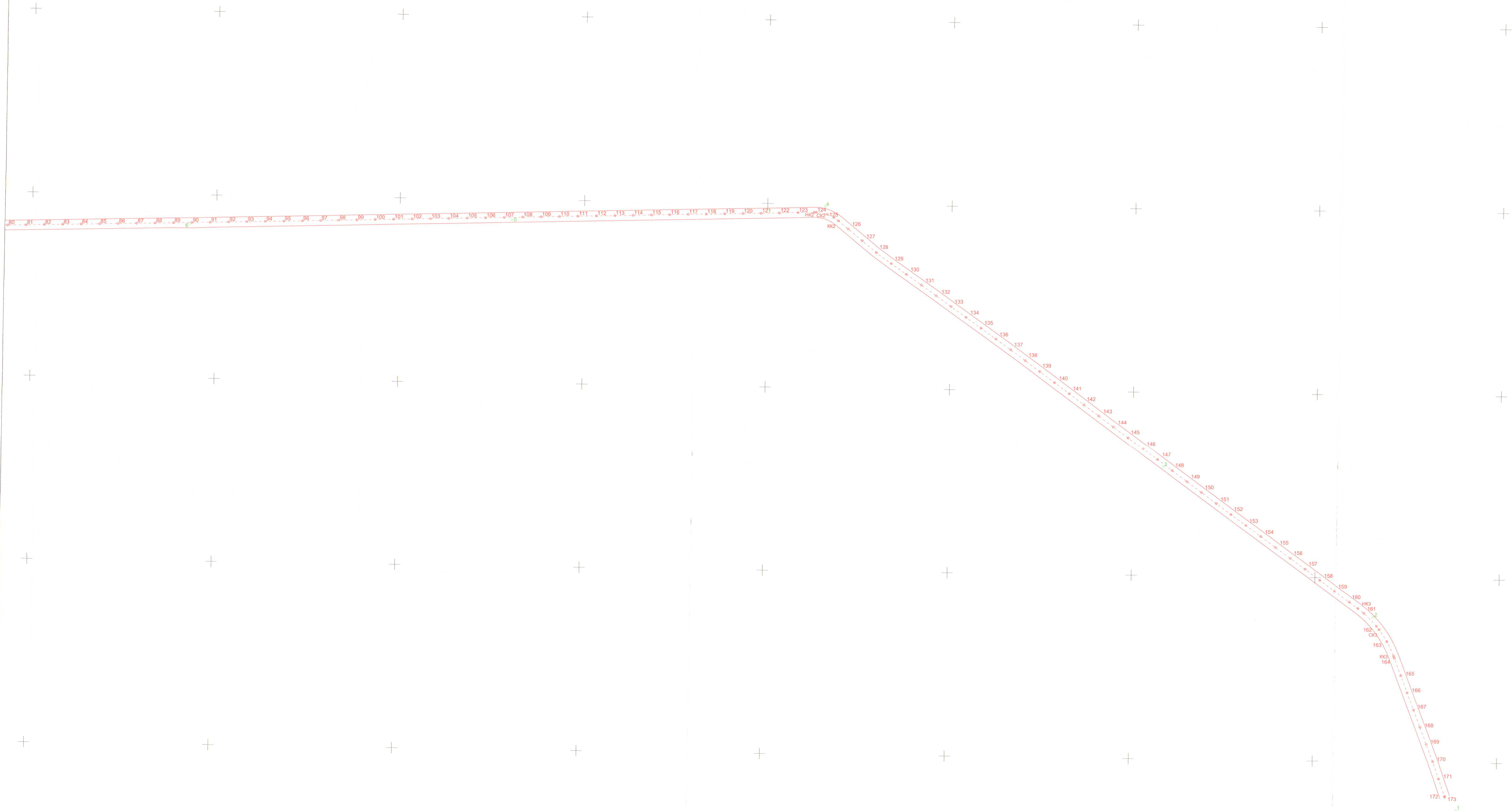
Регистрационен номер: 177802

Мини. ЕДИН
 СЪБЕДИН. СЪБЕДИН

Получено

ВЪРНЕ С ВАЖНОСТ ДО ПОСЛЕДНО ДЪЛЪЖНОСТНО ПОСРЕДСТВО ПОСЛА

ИНВЕСТИЦИОННО ПРОЕКТИРАНЕ
О ПРОЕКТИРАНЕ" ЕООД



КООРДИНАТЕН РЕГИСТЪР КЪМ ТРАСИРОВЪЧЕН ПЛАН НА
ОБЕКТ: "Рехабилитация на водопроводи в населени места от община Тервел"
ПОДОБЕКТ: "Рехабилитация на част от вътрешна водопроводна мрежа в с.Зърнево, община
Тервел" - ул."Втора" и ул."Трета"

ул."Втора"

Точка N	X	Y
0	4732037.903	9589713.390
1	4732041.892	9589722.560
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4	4732053.894	9589750.054
5	4732057.916	9589759.210
6	4732061.938	9589768.365
7	4732065.960	9589777.521
8	4732069.982	9589786.676
9	4732073.946	9589795.857
10	4732077.893	9589805.045
11	4732081.839	9589814.234
12	4732085.772	9589823.428
13	4732089.690	9589832.628
14	4732093.608	9589841.829
15	4732097.539	9589851.024
16	4732101.527	9589860.194
17	4732105.515	9589869.364
18	4732109.511	9589878.532
19	4732113.512	9589887.696
20	4732117.513	9589896.861
21	4732121.557	9589906.007
22	4732125.615	9589915.146
23	4732129.673	9589924.286
24	4732133.732	9589933.425
25	4732137.790	9589942.565
26	4732141.840	9589951.708
27	4732145.886	9589960.853
28	4732149.932	9589969.998
29	4732153.978	9589979.142
30	4732158.024	9589988.287
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СК 1	4732165.044	9590007.805
33	4732166.569	9590016.889
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34	4732167.123	9590026.870
35	4732167.439	9590036.865
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37	4732168.069	9590056.855
38	4732168.384	9590066.850
39	4732168.700	9590076.845
40	4732169.015	9590086.840
41	4732169.330	9590096.835
42	4732169.645	9590106.830
43	4732169.960	9590116.826

ул."Трета"

Точка N	X	Y
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2	4731684.046	9589958.007
3	4731683.336	9589967.981
4	4731682.625	9589977.956
5	4731681.915	9589987.931
6	4731681.173	9589997.903
7	4731680.413	9590007.874
8	4731679.652	9590017.845
9	4731678.891	9590027.816
10	4731678.130	9590037.787
11	4731677.379	9590047.759
12	4731676.643	9590057.732
13	4731675.906	9590067.705
14	4731675.170	9590077.678
15	4731674.397	9590087.648
16	4731673.583	9590097.614
17	4731672.769	9590107.581
18	4731671.955	9590117.548
19	4731671.122	9590127.513
20	4731670.279	9590137.478
21	4731669.437	9590147.442
22	4731668.594	9590157.407
23	4731667.752	9590167.371
24	4731666.909	9590177.335
25	4731666.067	9590187.300
26	4731665.224	9590197.264
27	4731664.382	9590207.229
28	4731663.539	9590217.193
29	4731662.716	9590227.159
30	4731661.936	9590237.129
31	4731661.103	9590247.094
32	4731660.249	9590257.057
33	4731659.395	9590267.021
34	4731658.541	9590276.984
35	4731657.687	9590286.948
36	4731656.833	9590296.911
37	4731655.979	9590306.875
38	4731655.125	9590316.838
39	4731654.271	9590326.802
40	4731653.417	9590336.765
41	4731652.563	9590346.729
42	4731651.709	9590356.692
43	4731650.855	9590366.656
44	4731650.001	9590376.619
45	4731649.147	9590386.583
46	4731648.406	9590396.555

44	4732170.276	9590126.821
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46	4732170.906	9590146.811
47	4732171.221	9590156.806
48	4732171.537	9590166.801
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51	4732172.482	9590196.786
52	4732172.797	9590206.781
53	4732173.113	9590216.776
54	4732173.428	9590226.771
55	4732173.743	9590236.766
56	4732174.058	9590246.761
57	4732174.374	9590256.756
58	4732174.689	9590266.751
59	4732175.004	9590276.746
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62	4732175.950	9590306.731
63	4732176.265	9590316.726
64	4732176.580	9590326.721
65	4732176.895	9590336.716
66	4732177.210	9590346.711
67	4732177.526	9590356.706
68	4732177.841	9590366.701
69	4732178.156	9590376.696
70	4732178.471	9590386.691
71	4732178.787	9590396.686
72	4732179.102	9590406.681
73	4732179.417	9590416.676
74	4732179.732	9590426.671
75	4732180.047	9590436.666
76	4732180.363	9590446.662
77	4732180.681	9590456.656
78	4732181.007	9590466.651
79	4732181.332	9590476.646
80	4732181.657	9590486.641
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82	4732182.299	9590506.630
83	4732182.615	9590516.625
84	4732182.932	9590526.620
85	4732183.249	9590536.615
86	4732183.566	9590546.610
87	4732183.882	9590556.605
88	4732184.199	9590566.600
89	4732184.516	9590576.595
90	4732184.833	9590586.590
91	4732185.149	9590596.585
92	4732185.466	9590606.580
93	4732185.783	9590616.575
94	4732186.099	9590626.570
95	4732186.416	9590636.565
96	4732186.733	9590646.560
97	4732187.050	9590656.555

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51	4731643.988	9590446.356
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55	4731640.157	9590486.172
56	4731639.199	9590496.126
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59	4731636.325	9590525.988
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61	4731634.410	9590545.896
62	4731633.452	9590555.850
63	4731632.494	9590565.804
64	4731631.536	9590575.758
65	4731630.579	9590585.712
66	4731629.621	9590595.666
67	4731628.663	9590605.620
68	4731627.729	9590615.576
69	4731626.801	9590625.533
70	4731625.856	9590635.488
71	4731624.876	9590645.440
72	4731623.896	9590655.392
73	4731622.915	9590665.344
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75	4731620.955	9590685.248
76	4731620.042	9590695.202
77	4731620.232	9590705.200
78	4731620.422	9590715.198
79	4731620.620	9590725.197
80	4731620.848	9590735.194
81	4731621.076	9590745.191
82	4731621.305	9590755.189
83	4731621.533	9590765.186
84	4731621.761	9590775.183
85	4731621.989	9590785.181
86	4731622.218	9590795.178
87	4731622.446	9590805.176
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89	4731622.911	9590825.170
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91	4731623.393	9590845.164
92	4731623.633	9590855.162
93	4731623.874	9590865.159
94	4731624.115	9590875.156
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96	4731624.597	9590895.150
97	4731624.838	9590905.147
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105	4732189.584	9590736.515
106	4732189.900	9590746.510
107	4732190.217	9590756.505
108	4732190.534	9590766.500
109	4732190.851	9590776.495
110	4732191.167	9590786.490
111	4732191.484	9590796.485
112	4732191.801	9590806.480
113	4732192.118	9590816.475
114	4732192.434	9590826.470
115	4732192.751	9590836.465
116	4732193.068	9590846.460
117	4732193.385	9590856.455
118	4732193.701	9590866.450
119	4732194.018	9590876.445
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121	4732194.652	9590896.435
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126	4732186.735	9590943.835
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129	4732168.263	9590967.451
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131	4732156.844	9590983.871
132	4732151.072	9590992.037
133	4732145.300	9591000.203
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137	4732122.211	9591032.866
138	4732116.409	9591041.011
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141	4732098.680	9591065.211
142	4732092.728	9591073.247
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146	4732069.074	9591105.503
147	4732063.217	9591113.609
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107	4731627.169	9591005.120
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113	4731628.562	9591065.104
114	4731628.794	9591075.101
115	4731629.026	9591085.098
116	4731629.258	9591095.096
117	4731629.491	9591105.093
118	4731629.723	9591115.090
119	4731629.955	9591125.088
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124	4731631.116	9591175.074
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157	4732004.535	9591194.580
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165	4731947.278	9591247.399
166	4731937.941	9591250.979
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168	4731919.266	9591258.138
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170	4731900.592	9591265.297
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