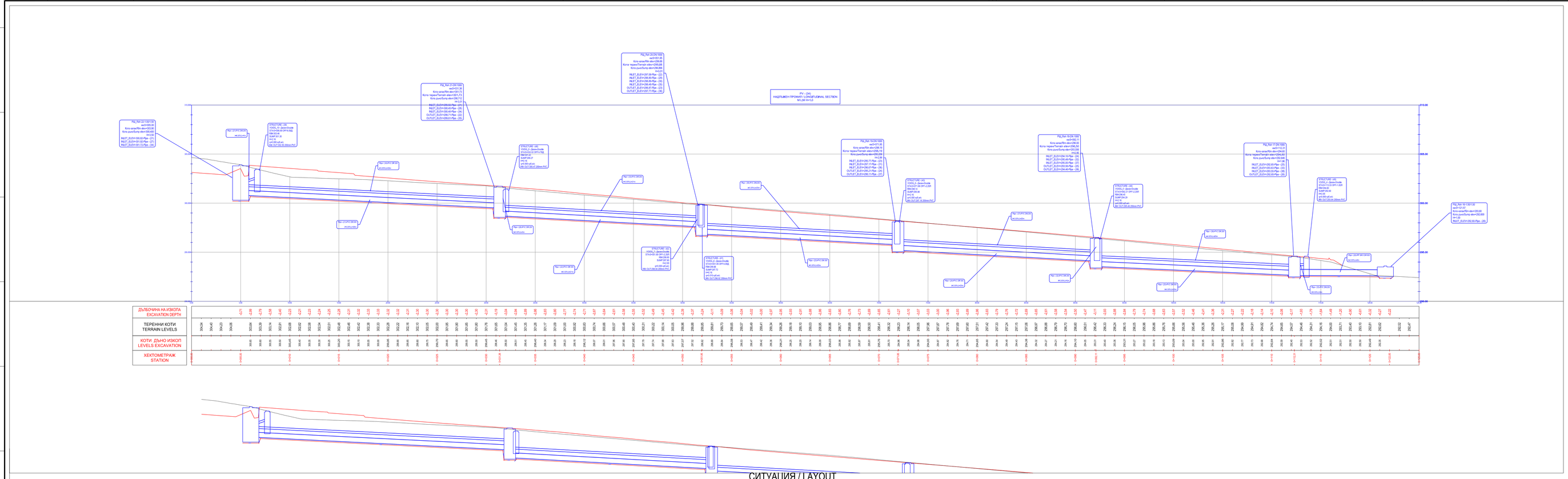
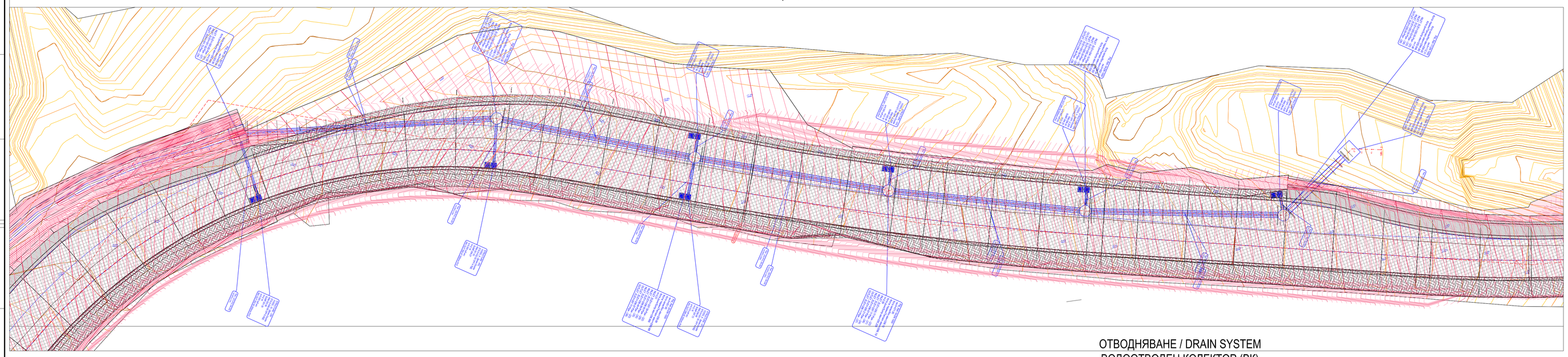
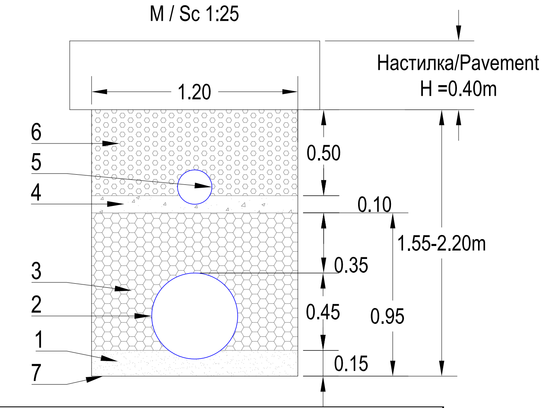


СИТУАЦИЯ / LAYOUT



ОТВОДНЯВАНЕ / DRAIN SYSTEM
ВОДООТВОДЕН КОЛЕКТОР (ВК)
DRAINAGE COLLECTOR (DC)
ТИПОВ НАПРЕЧЕН РАЗРЕЗ / TYPICAL CROSS SECTION
M / Sc 1:25



ВОДООТВОДЕН КОЛЕКТОР 7 / DRAINAGE COLLECTOR 7

ТРЪБИ / PIPES

ИМЕ Name	НАПРЕЧНО СЕЧЕНИЕ Shape	РАЗМЕР (mm) Size (mm)	МАТЕРИАЛ Material	ШАХТА НАЧАЛО US Node	ШАХТА КРАЙ DS Node	Кота начало US Invert (m)	Кота край DS Invert (m)	2D Дължина (m) от ос до ос / от стена до стена 2D Length (m) center-to-center / edge-to-edge	Наклон (%) % Slope
Pipe - (21) (DRAINAGE COLLECTOR_7)	Circular	D:500.00	PVC	PШ_Rsh 22 (DRAINAGE COLLECTOR_7)	PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	300.82	299.5	26.38 25.1	5
Pipe - (22) (DRAINAGE COLLECTOR_7)	Circular	D:500.00	PVC	PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	298.71	297.58	20.57 19.52	5.5
Pipe - (23) (DRAINAGE COLLECTOR_7)	Circular	D:500.00	PVC	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	296.87	295.77	20 18.95	5.5
Pipe - (24) (DRAINAGE COLLECTOR_7)	Circular	D:500.00	PVC	PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	295.21	294.1	20.16 19.11	5.5
Pipe - (25) (DRAINAGE COLLECTOR_7)	Circular	D:500.00	PVC	PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	PШ_Rsh 17 (DRAINAGE COLLECTOR_7)	293.56	292.65	20.21 19.16	4.5
Pipe - (26) (DRAINAGE COLLECTOR_7)	Circular	D:600.00	PP SN 8	PШ_Rsh 17 (DRAINAGE COLLECTOR_7)	PШ_Rsh 16 (DRAINAGE COLLECTOR_7)	292.65	292.6	9.26 7.99	0.5
Pipe - (27) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (39) (DRAINAGE COLLECTOR_7)	PШ_Rsh 22 (DRAINAGE COLLECTOR_7)	302.5	301.92	6.81 5.83	8.5
Pipe - (28) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (40) (DRAINAGE COLLECTOR_7)	PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	300.47	300.45	4.82 4.07	0.5
Pipe - (29) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (41) (DRAINAGE COLLECTOR_7)	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	298.92	298.9	4.09 3.34	0.5
Pipe - (30) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (42) (DRAINAGE COLLECTOR_7)	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	298.94	298.89	2.2 1.45	2.5
Pipe - (31) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (43) (DRAINAGE COLLECTOR_7)	PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	297.18	297.17	2.2 1.45	0.5
Pipe - (32) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (44) (DRAINAGE COLLECTOR_7)	PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	295.49	295.48	2.2 1.45	0.5
Pipe - (33) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	Structure - (45) (DRAINAGE COLLECTOR_7)	PШ_Rsh 17 (DRAINAGE COLLECTOR_7)	293.64	293.63	2.2 1.45	0.5
Pipe - (34) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	301.72	300.4	26.38 25.1	5
Pipe - (35) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	299.61	298.48	20.57 19.52	5.5
Pipe - (36) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	297.77	296.67	20 18.95	5.5
Pipe - (37) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	296.11	295	20.16 19.11	5.5
Pipe - (38) (DRAINAGE COLLECTOR_7)	Circular	D:200.00	PVC	PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	PШ_Rsh 17 (DRAINAGE COLLECTOR_7)	294.46	293.55	20.21 19.16	4.5

ВОДООТВОДЕН КОЛЕКТОР 7 / DRAINAGE COLLECTOR 7

ШАХТИ/SHAFTS(MANHOLES)

ШАХТА Structure	ТИП Type	РАЗМЕР Size (m)	МАТЕРИАЛ Material	Northing (m)	Easting (m)	Кота капак Rim Elev (m)	Кота дъно Sump Elev (m)	Утаител Sump Depth (m)	ТРЪБИ Pipes
PШ_Rsh 22 (DRAINAGE COLLECTOR_7)	Rectangular	L:1.50 W:1.50	Reinforced Concrete	4523360.73	9434422.52	303.9	300.4	0.42	Pipe - (21) (DRAINAGE COLLECTOR_7) Pipe - (27) (DRAINAGE COLLECTOR_7) Pipe - (34) (DRAINAGE COLLECTOR_7)
Structure - (39) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523365.27	9434427.59	303.46	301.3	1.2	Pipe - (27) (DRAINAGE COLLECTOR_7)
PШ_Rsh 21 (DRAINAGE COLLECTOR_7)	Circular	D:1.05	Reinforced Concrete	4523384.14	9434410.36	301.73	298.71	0	Pipe - (21) (DRAINAGE COLLECTOR_7) Pipe - (22) (DRAINAGE COLLECTOR_7) Pipe - (28) (DRAINAGE COLLECTOR_7) Pipe - (34) (DRAINAGE COLLECTOR_7) Pipe - (35) (DRAINAGE COLLECTOR_7)
Structure - (40) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523385.81	9434414.88	301.43	299.27	1.2	Pipe - (28) (DRAINAGE COLLECTOR_7)
Structure - (42) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523403.58	9434403.71	299.9	297.9	1.04	Pipe - (30) (DRAINAGE COLLECTOR_7)
PШ_Rsh 20 (DRAINAGE COLLECTOR_7)	Circular	D:1.05	Reinforced Concrete	4523404.20	9434405.82	299.88	296.87	0	Pipe - (22) (DRAINAGE COLLECTOR_7) Pipe - (23) (DRAINAGE COLLECTOR_7) Pipe - (29) (DRAINAGE COLLECTOR_7) Pipe - (30) (DRAINAGE COLLECTOR_7) Pipe - (35) (DRAINAGE COLLECTOR_7) Pipe - (36) (DRAINAGE COLLECTOR_7)
Structure - (41) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523405.19	9434409.78	299.88	297.72	1.2	Pipe - (29) (DRAINAGE COLLECTOR_7)
PШ_Rsh 19 (DRAINAGE COLLECTOR_7)	Circular	D:1.05	Reinforced Concrete	4523423.58	9434400.89	298.19	295.21	0	Pipe - (23) (DRAINAGE COLLECTOR_7) Pipe - (24) (DRAINAGE COLLECTOR_7) Pipe - (31) (DRAINAGE COLLECTOR_7) Pipe - (36) (DRAINAGE COLLECTOR_7) Pipe - (37) (DRAINAGE COLLECTOR_7)
Structure - (43) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523422.96	9434398.78	298.14	295.98	1.2	Pipe - (31) (DRAINAGE COLLECTOR_7)
PШ_Rsh 18 (DRAINAGE COLLECTOR_7)	Circular	D:1.05	Reinforced Concrete	4523442.75	9434394.65	296.5	293.56	0	Pipe - (24) (DRAINAGE COLLECTOR_7) Pipe - (25) (DRAINAGE COLLECTOR_7) Pipe - (32) (DRAINAGE COLLECTOR_7) Pipe - (37) (DRAINAGE COLLECTOR_7) Pipe - (38) (DRAINAGE COLLECTOR_7)
Structure - (44) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523442.00	9434392.59	296.45	294.29	1.2	Pipe - (32) (DRAINAGE COLLECTOR_7)
PШ_Rsh 17 (DRAINAGE COLLECTOR_7)	Circular	D:1.05	Reinforced Concrete	4523461.38	9434386.83	294.6	292.65	0	Pipe - (25) (DRAINAGE COLLECTOR_7) Pipe - (26) (DRAINAGE COLLECTOR_7) Pipe - (33) (DRAINAGE COLLECTOR_7) Pipe - (38) (DRAINAGE COLLECTOR_7)
Structure - (45) (DRAINAGE COLLECTOR_7)	Circular	D:0.45	Reinforced Concrete	4523460.14	9434385.02	294.6	292.6	1.04	Pipe - (33) (DRAINAGE COLLECTOR_7)
PШ_Rsh 16 (DRAINAGE COLLECTOR_7)	Rectangular	L:1.50 W:1.50	Reinforced Concrete	4523464.83	9434378.24	293.6	292.6	0	Pipe - (26) (DRAINAGE COLLECTOR_7)

СПЕСИФИКАЦИЯ НА МАТЕРИАЛИТЕ за m^3 / MATERIAL SPECIFICATION per m^3

Номер Number	ОПИСАНИЕ / DESCRIPTION BG	EN	Ед.мярка Units	Количество Quantity
1	Пясък за легло с дебелина h=0.1m	Sand for base with thickness h=0.1m	m^3	0.2
2	Тръба PP DN/OD 500 ,SN 10	Pipe PP DN/OD 500 ,SN 10	m^1	1
3	Чакъл d=5-20 за засипка около тръбата	Gravel d=5-20 for fill around pipe	m^3	0.8
4	Бетон B20 за легло с дебелина h=0.1m	Concrete B20 for base with thickness h=0.1m	m^3	0.15
5	Перф тръба PP DN/ID 200 ,SN 10 LP 220°	Perforated pipe PP DN/ID200 ,SN 10 LP 220°	m^1	1
6	Баластра за дренажна призма с дебелина на пластта h=0.3m	Gravel for drainage with thickness h=0.4m	m^3	0.85
7	Изкоп за колектор	Excavation for collector	m^3	2.1

KRUMOVGRAD MUNICIPAL.	ОБЩИНА КРУМОВГРАД
THE ASSIGNOR	ВЪЗЛОЖИТЕЛ
BULGARIAN DESIGNER	БЪЛГАРСКИ ПРОЕКТАНТ
инж. В. Трендафилов V. Trendafilov MEngSc	
THE DESIGN SUPERVISOR	КОНСУЛТАНТ ЗА ОЦЕНЯВАНЕ НА ПРОЕКТА
LIRA CONSULT CONSTRUCTION CONTROL	
CONTRACTOR	ИЗПЪЛНИТЕЛ
ПРОЕКТИРАНЕ И АНАЛИЗИ ЕООД СОФИЯ	

СЪГЛАСУВАЛИ / DESIGN COORDINATION

ЧАСТ: PART:	ИМЕ NAME	Подпис Signature	ЧАСТ: PART:	ИМЕ NAME	Подпис Signature
Геодезия SURVEY	инж.М.Димиев M. Dimiev MEngSc				
Геология Geology	инж.С Симеонов S.Simeonov MEngSc				
Конструктивна Civil	инж.Пл. Андреев Pl. Andreev MEngSc				
ПБЗ Safety	инж.К Янев K. Yanev MEngSc				
ПБ Fire	инж.К Янев K. Yanev MEngSc				
Пътна Road	инж.В. Трендафилов V. Trendafilov MEngSc				

СТРОЕЖ ИМЕ : / PROJECT NAME:

РАБОТЕН ПРОЕКТ ЗА РЕКОНСТРУКЦИЯ НА СЪЩЕСТВУВАЩ ОБЩИНСКИ ПЪТ KRZ2212 /III-509, ТОКАЧКА - КРУМОВГРАД/ - СКАЛАК - КЪКЛИЦА - ЛИМЕЦ - МАЛЪК ДЕВЕСИЛ - KRZ1220 ОТ КМ 0+000 ДО КМ 2+105, ЗЕМЛИЩАТА НА С. ЗВЪНАРКА И С. СКАЛАК, ОБЩ. КРУМОВГРАД, ОБЛАСТ КЪРДЖАЛИ

ОБЕКТ ИМЕ : / SUB AREA NAME

ЧЕРТЕЖ : / DRAWING :	ФАЗА/PHASE
ОТВОДНЯВАНЕ	PП/DD
DRAIN SYSTEM	ДАТА/DATE
ВОДООТВОДЕН КОЛЕКТОР №7	06.2014
DRAINAGE COLLECTOR #7	ЧАСТ/PART
ДЕТАЙЛИ	Пътна/Road
DETAILS	Nano ред/Sequent#
	4-7

CONTRACTOR :
ИЗПЪЛНИТЕЛ:

ПРОЕКТИРАНЕ И АНАЛИЗИ ЕООД СОФИЯ

CLIENT:
ВЪЗЛОЖИТЕЛ:

No, №	BY ОТ	DATE ДАТА	REVISION - DESCRIPTION РЕВИЗИЯ - ОПИСАНИЕ	CHECKED ПРОВЕРИЛ	APPROV. ОДОБРИЛ
0	VTR	12/02/2016	Issued for Construction Издадено за строителство	AS	PA

	NAME ИМЕ	DATE ДАТА
PROJECT APPR. ОДОБРИЛ СТРОЕЖА	PA	09.06.2014
DESIGN APPR. ОДОБРИЛ ПРОЕКТА	PA	09.06.2014
DESIGNED BY ПРОЕКТИРАН ОТ	VTr	09.06.2014
CHECKED BY ПРОВЕРЕН ОТ	AS	09.06.2014
DRAWN BY ИЗЧЕРТАН ОТ	VTr	09.06.2014

SCALE МАЩАБ 1:250;1:25

CLIENT КЛИЕНТ

DRAWING TITLE: НАИМЕНОВАНИЕ ЧЕРТЕЖ:

RECONSTRUCTION OF EXISTING MUNICIPAL ROAD KRZ2212 (ZVANARKA-SKALAK) FROM KM 0+000 TO KM 2+105
DRAIN SYSTEM - DRAINAGE COLLECTOR #7 - DETAILS

PROJECT No. KGP100 | SHEET SIZE A 1 | DRAWING No: ЧЕРТЕЖ №: KGP100-1910-1220-DTL-6341 | REV No. 0

DRAWING No: ЧЕРТЕЖ №:
REFERENCE DRAWINGS - NAME: ЧЕРТЕЖ ЗА СПРАВКА - ИМЕ: