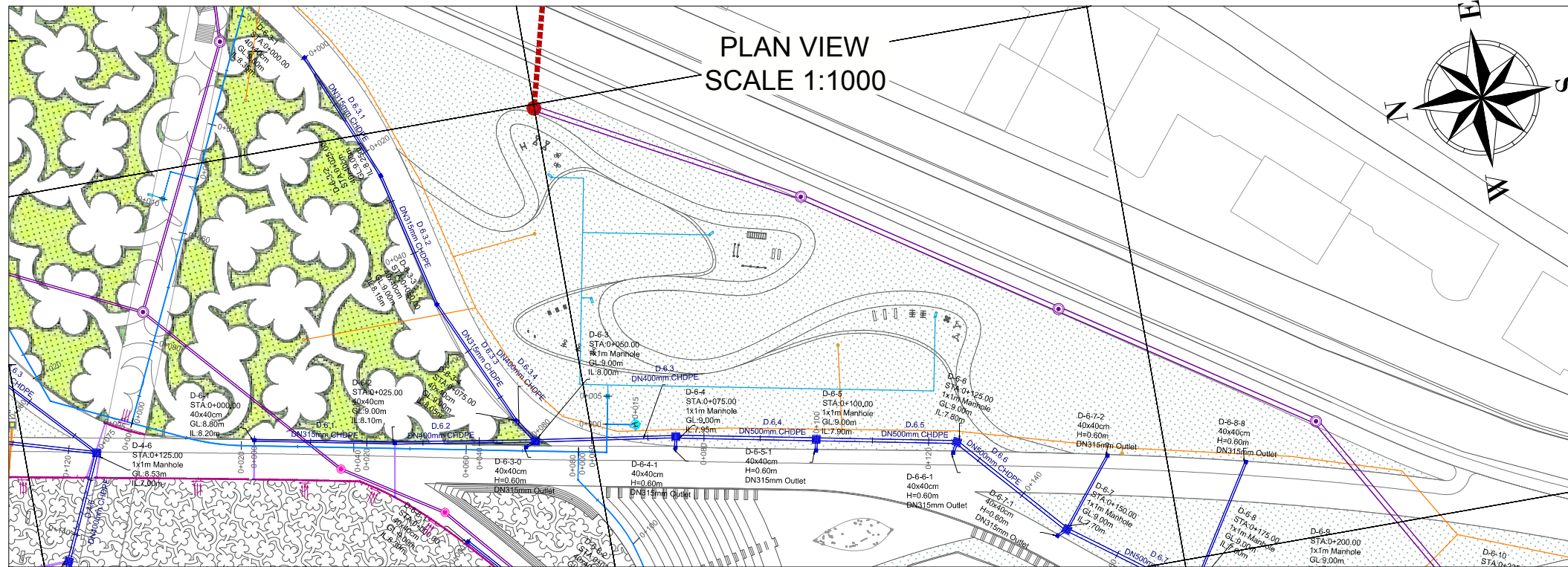


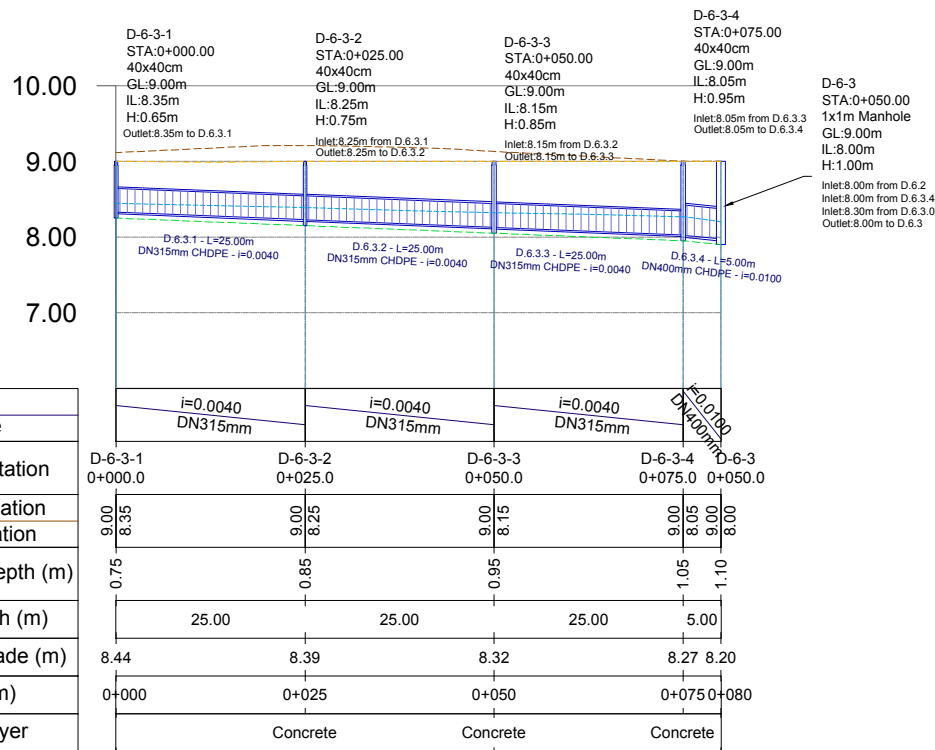
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4656500.000

375200.000

LONGITUDINAL PROFILE SCALE H 1:1000 V 1:100

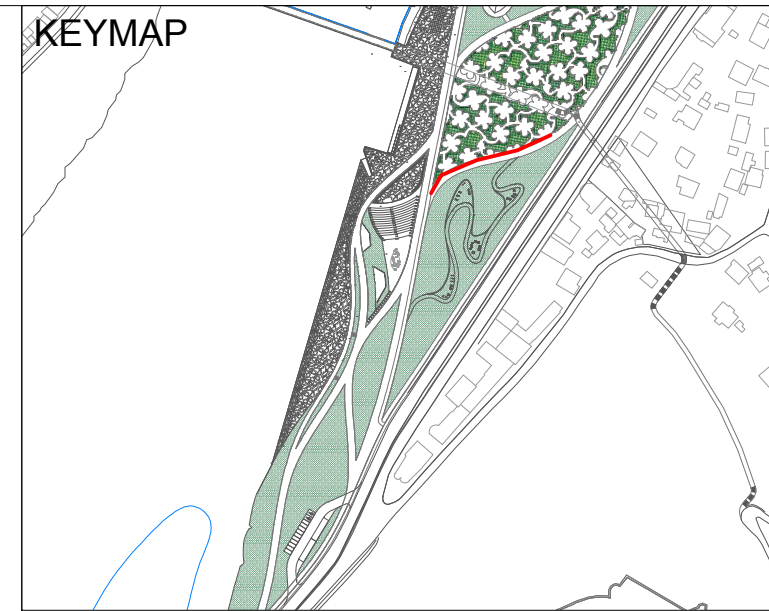


Slope Pipeline	i=0.0040			
Manhole + Station	D-6-3-1 0+000.0	D-6-3-2 0+025.0	D-6-3-3 0+050.0	D-6-3-4 0+075.0
Ground Elevation	9.00	8.25	9.00	8.00
Invert Elevation	8.35	8.25	8.15	8.00
Excavation Depth (m)	0.75	0.85	0.95	1.05
Partial Length (m)	25.00	25.00	25.00	5.00
Hydraulic Grade (m)	8.44	8.39	8.32	8.27
Station (m)	0+000	0+025	0+050	0+075
Ground Layer		Concrete	Concrete	Concrete

VOLUMES TABLE								
AREA	CIVIL WORKS	Excavation	Transport	Topsoil Fill	Sand Bedding Fill	DN315mm Pipe	DN400mm Pipe	40x40cm Manholes
L0 RP	UNIT	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	ml	ml	pcs
	VOLUME	73.80	73.80	0.00	22.68	75.00	5.00	4.00

NOTES : For shallow lines topsoil fill might be zero due to filling only with sand and above sand is directly the placement of pavement / roads layers.

KEYMAP



LEGEND AND NOTES

LEGEND	
SYMBOL	DESCRIPTION
	Proposed Circular Manhole - d=1500mm, H = 2.0-5.0m
	Proposed Circular Manhole - d=1000mm, H = 1.4-2.0m
	Proposed Circular Manhole - d=800mm, H = 0.8-1.4m
	Proposed Storm Water Manhole
	Proposed Slot Drain Manhole 15x60x60cm
	Proposed Waste Water Network
	Proposed Slot Drain (See Detail)
	Proposed Pipe from Slot Drain to Network
	Proposed Storm Water Network
	Proposed Water Supply Network
	Proposed Irrigation Network
	Existing Water Supply Line
	Excavation Line
	Existing Ground Level
	New Proposed Ground Level
	Hydraulic Grade Line

- NOTES :
- All coordinates are in UTM WGS84 34N
  - All dimensions are in meters, otherwise there will be a note.
  - The Hydraulic Grade Line inside the Pipeline shows the maximum water level for the most loaded hour, occurring at the same time as the one in a 10 Year Rain Event.
  - Except the 40x40cm and slot drain manholes, all the other ones used for the storm water network are according to drawing DD-D-C-01.

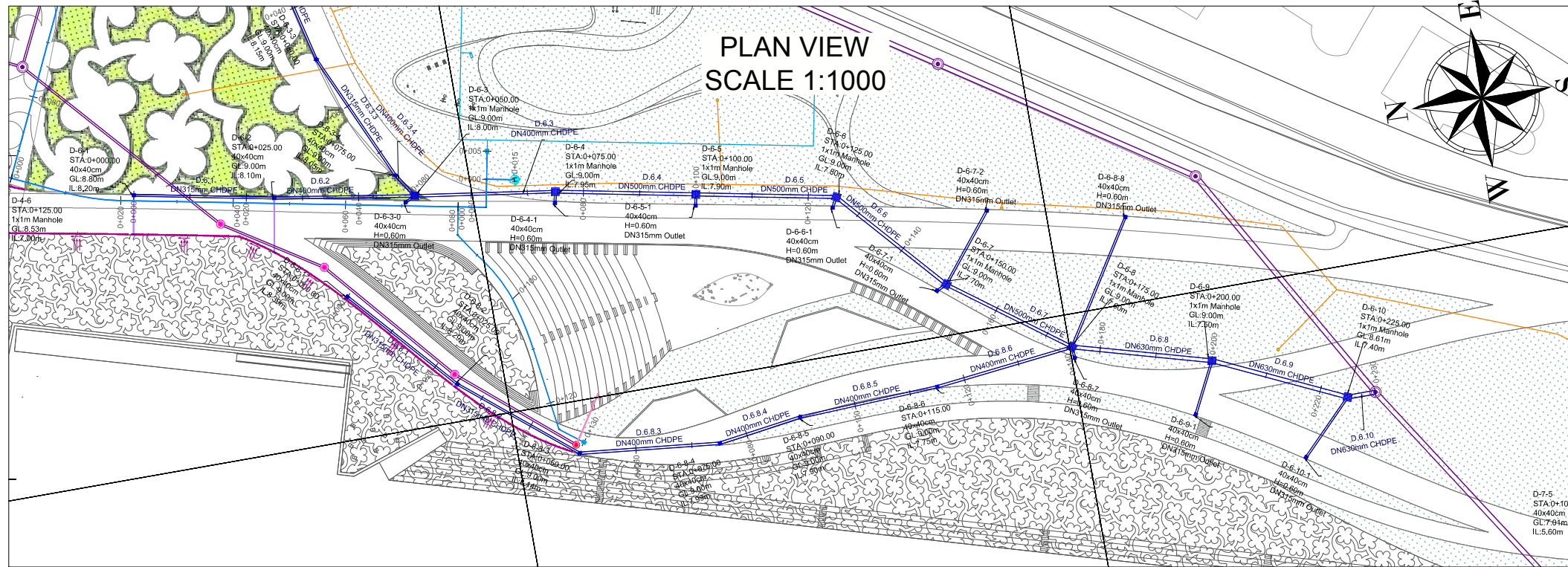
CLIENT:  
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Contact person: Erni Dautaj (Menaxhere Kontrates)  
Pr. "Sami Frasher", Nr. 10, Tirana, Albania  
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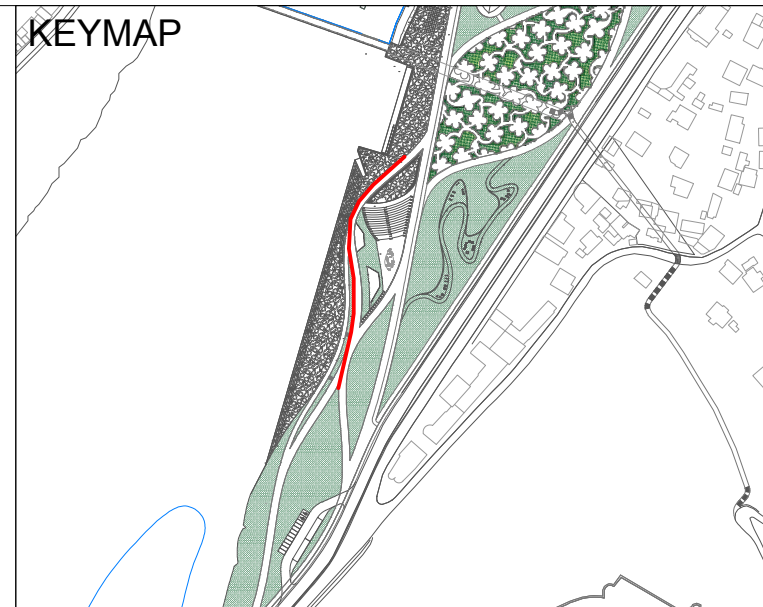
SRP Albanian Engineering s.h.p.k.  
NIUS L81728013G  
Contact person: Blerim Kurti  
Rruga Tom Piezha, Pallati Klensi, Shkalla 4, Kall 1, Ap. 2, Yzberisht, Tiranë 1051, Albania  
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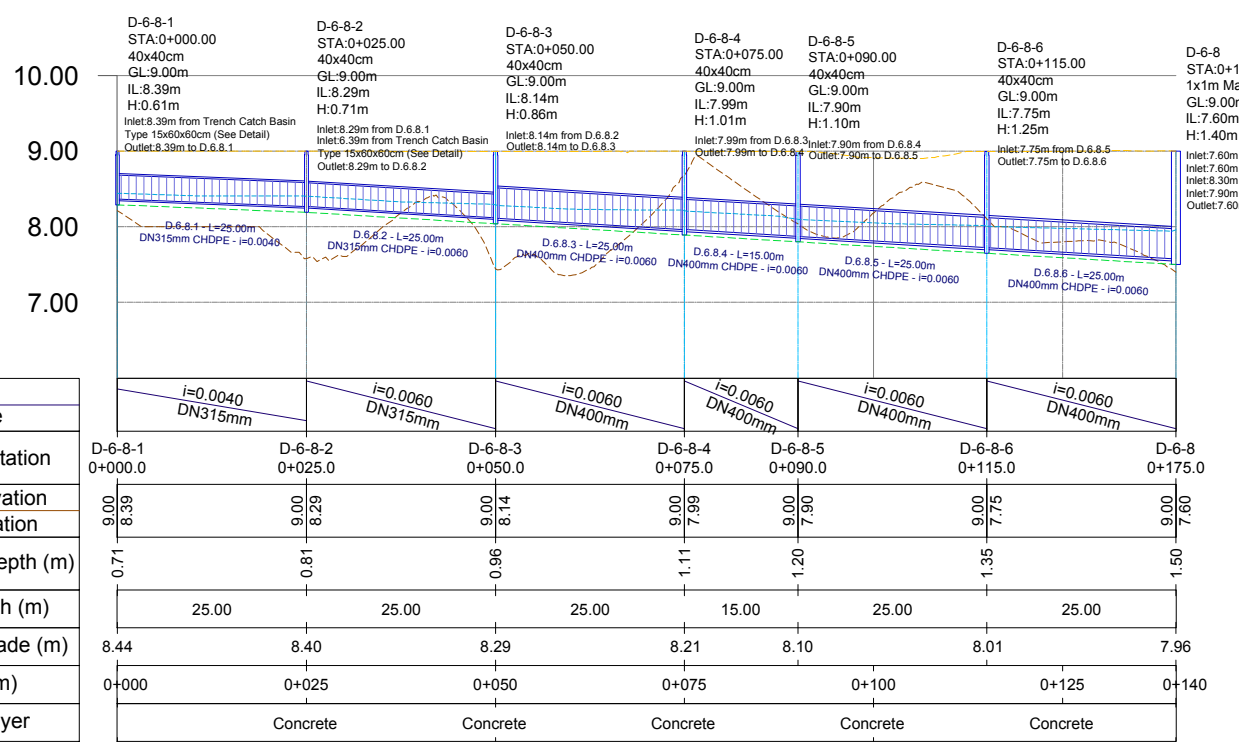
DD-H-SW-LP-D-6-3 Stormwater Line D-6-3 Longitudinal Profile			
Drawing number	Description		
Detailed Design	420 x 297 mm	1:1000	23-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		
casanova+hernandez architects	Lombardkade 24A 3011 AH Rotterdam		
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SRP Albanian Engineering sh.p.k.	F +31 (0)10 240 9229		
	contact@casanova-hernandez.com		



4656200.000



LONGTITUDINAL PROFILE SCALE H 1:1000 V 1:100



Slope Pipeline
Manhole + Station
Ground Elevation
Invert Elevation
Excavation Depth (m)
Partial Length (m)
Hydraulic Grade (m)
Station (m)
Ground Layer

LEGEND AND NOTES

LEGEND	
SYMBOL	DESCRIPTION
	Proposed Circular Manhole - d=1500mm, H = 2.0-5.0m
	Proposed Circular Manhole - d=1000mm, H = 1.4-2.0m
	Proposed Circular Manhole - d=800mm, H = 0.8-1.4m
	Proposed Storm Water Manhole
	Proposed Slot Drain Manhole 15x60x60cm
	Proposed Waste Water Network
	Proposed Slot Drain (See Detail)
	Proposed Pipe from Slot Drain to Network
	Proposed Storm Water Network
	Proposed Water Supply Network
	Proposed Irrigation Network
	Existing Water Supply Line
	Excavation Line
	Existing Ground Level
	New Proposed Ground Level
	Hydraulic Grade Line

- NOTES :
- All coordinates are in UTM WGS84 34N
  - All dimensions are in meters, otherwise there will be a note.
  - The Hydraulic Grade Line inside the Pipeline shows the maximum water level for the most loaded hour, occurring at the same time as the one in a 10 Year Rain Event.
  - Except the 40x40cm and slot drain manholes, all the other ones used for the storm water network are according to drawing DD-D-C-01.

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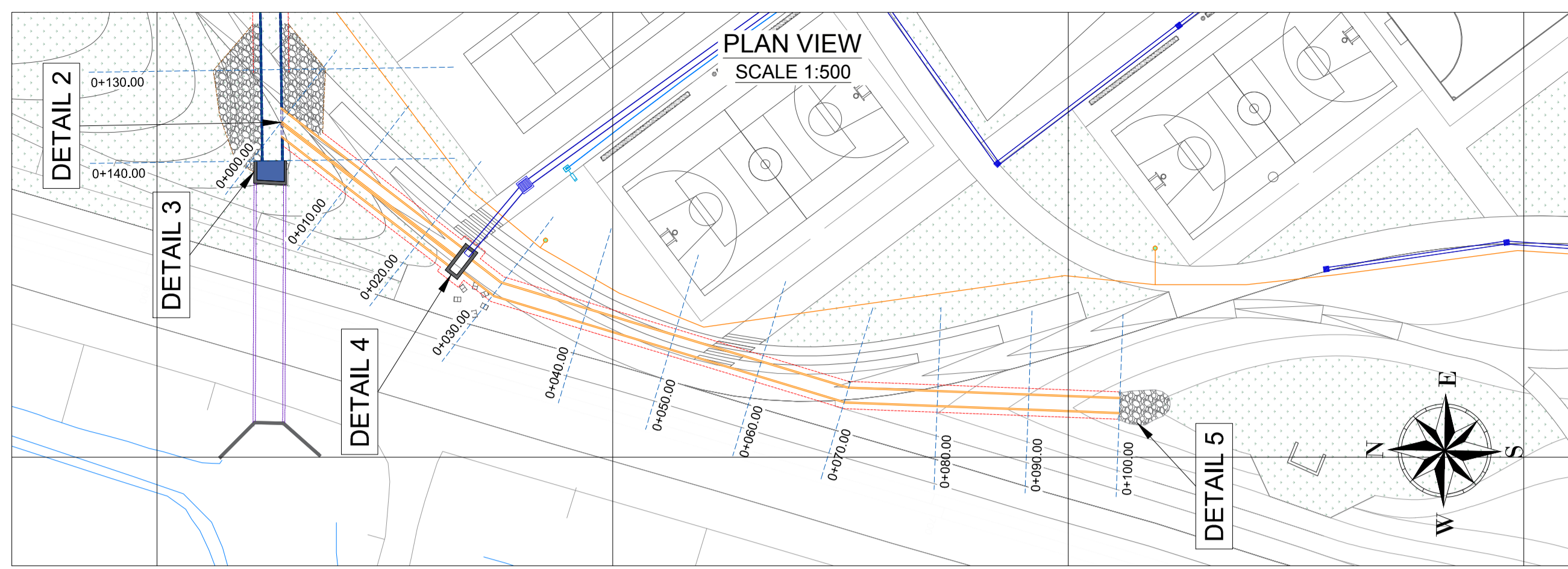
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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VOLUMES TABLE											
AREA	CIVIL WORKS	Excavation	Transport	Topsoil Fill	Sand Bedding Fill	DN160mm Pipe	Slot Drain	DN315mm Pipe	DN400mm Pipe	15x60x60cm Manholes	40x40cm Manholes
L0 RP	UNIT	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	ml	ml	ml	ml	pcs	pcs
	VOLUME	174.66	163.16	11.50	70.53	1.00	48.00	50.00	90.00	2.00	6.00

NOTES : For shallow lines topsoil fill might be zero due to filling only with sand and above sand is directly the placement of pavement / roads layers.

DD-H-SW-LP-D-6-8 Stormwater Line D-6-8 Longitudinal Profile			
Drawing number	Description		
Detailed Design	420 x 297 mm	1:1000	23-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		
casanova+hernandez architects	3011 AH Rotterdam		
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SRP Albanian Engineering sh.p.k	F +31 (0)10 240 9229		
	contact@casanova-hernandez.com		

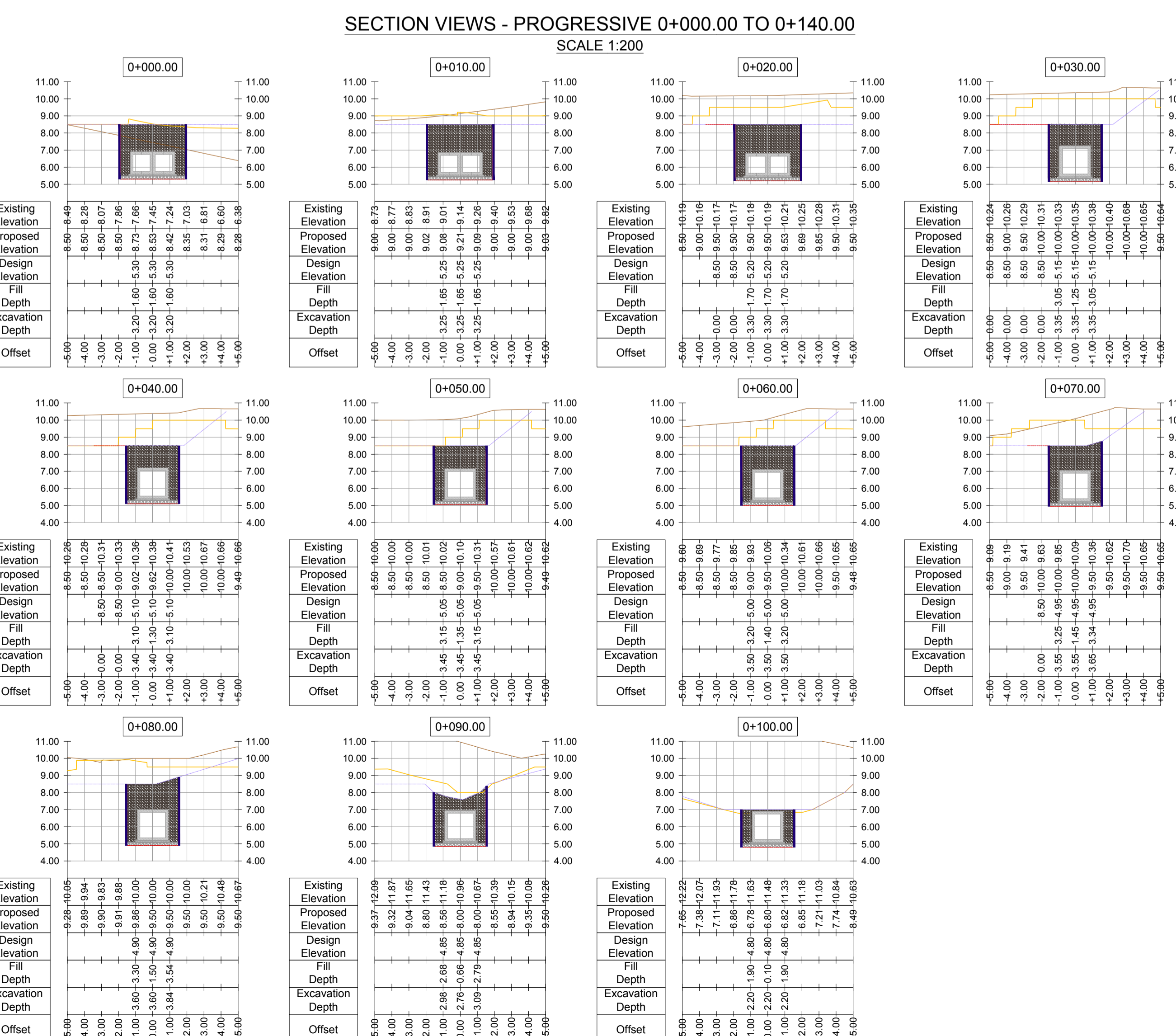
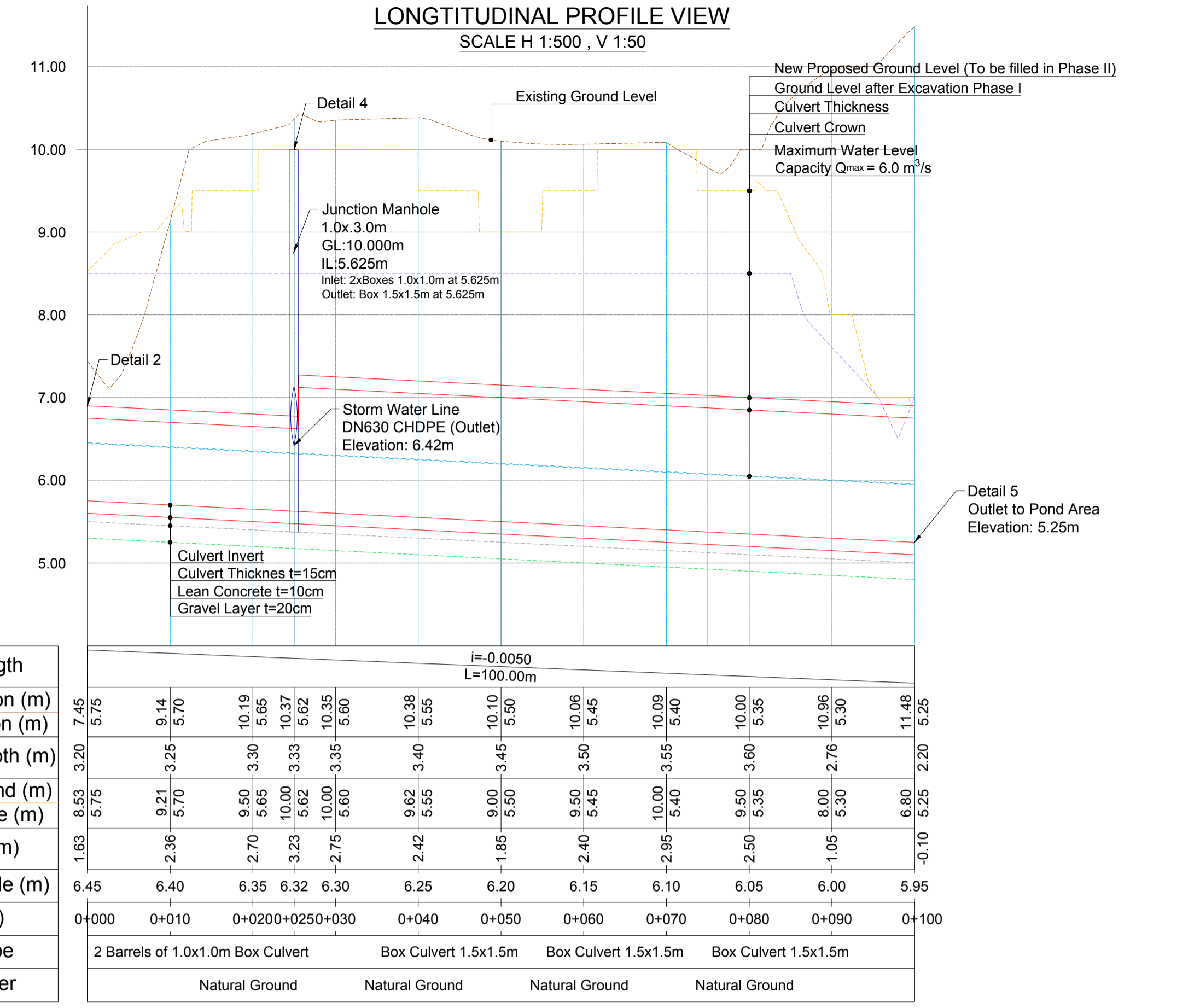
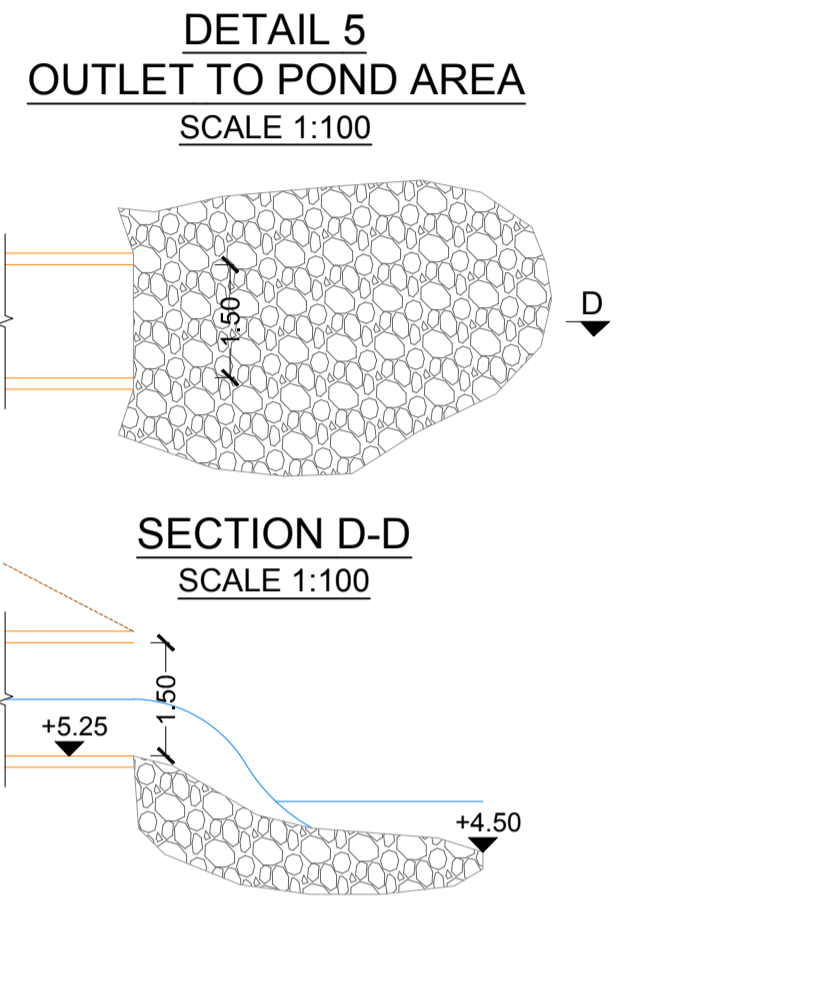
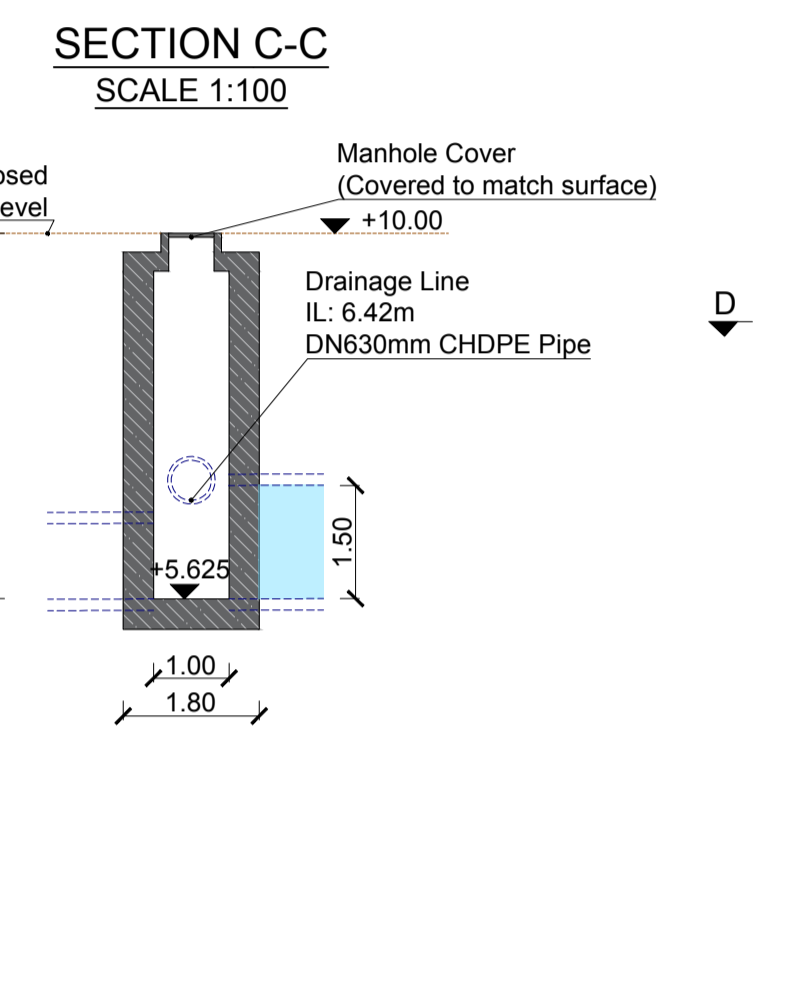
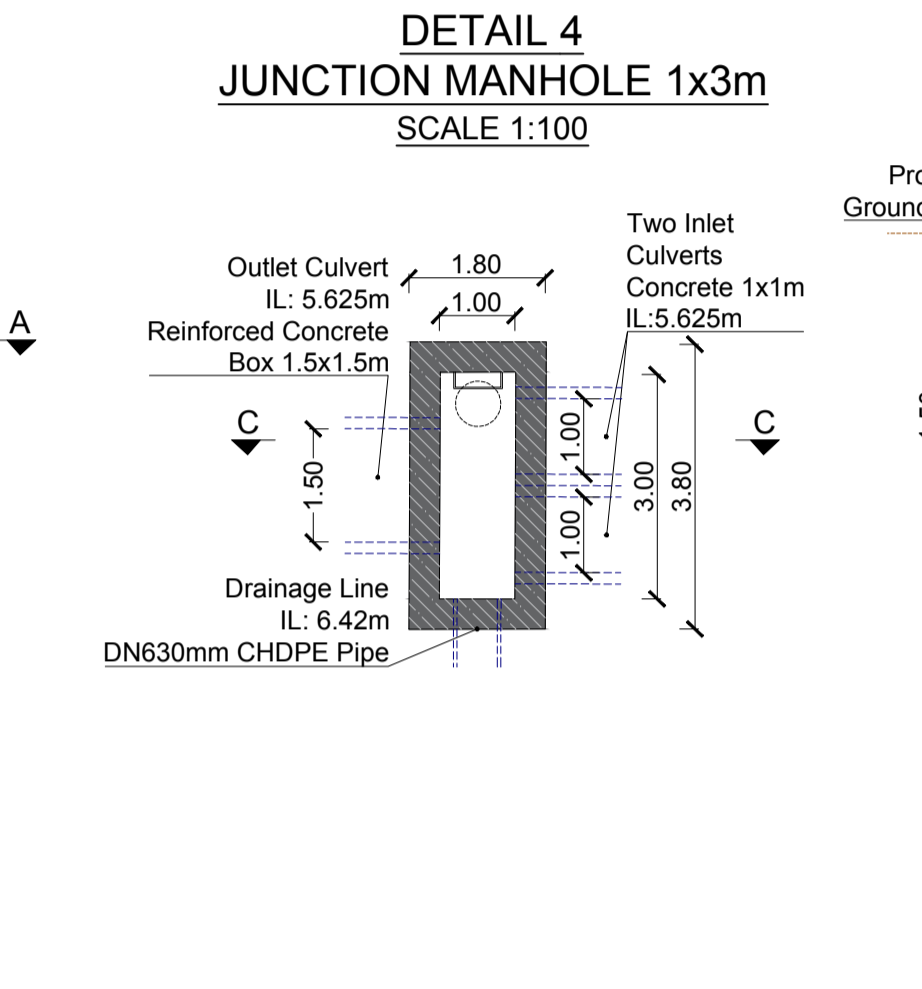
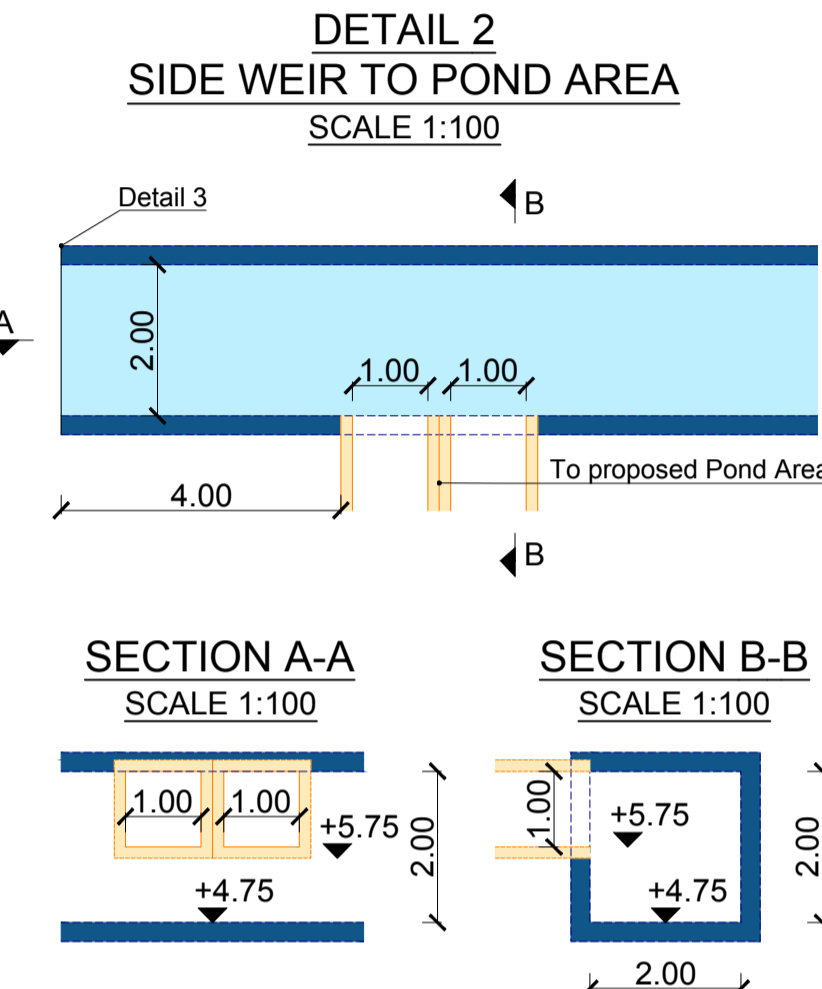




**PLAN VIEW LEGEND AND NOTES**

SYMBOL	DESCRIPTION
[Symbol]	Concrete Box Culvert 2x2m
[Symbol]	Concrete Surface
[Symbol]	Overflow Box Culvert
[Symbol]	Grass and Natural Ground
[Symbol]	Existing Inlet / Outlet Structure
[Symbol]	Existing Stormwater Culvert
[Symbol]	Excavation Line (with Sheet Piling, H up to 4.2m)
[Symbol]	Excavation Line with Side Slopes 1:1
[Symbol]	Parking Drainage Channel (See Detail)
[Symbol]	Project Area Drainage Network
[Symbol]	Project Area Wastewater Network
[Symbol]	Property Connection Lateral Pipes (To WW Network)
[Symbol]	Project Area Water Supply Network
[Symbol]	Project Area Irrigation Network
[Symbol]	Channel Cross Section Sample Lines (Every 10m)
[Symbol]	Existing Open Channel to Lake
[Symbol]	Crushed Stone Filling (Outlet Protection)

**NOTES:**  
 1. All coordinates are in UTM WGS84 34N  
 2. All dimensions are in meters, otherwise there will be a note.



**VOLUME TABLES**

Cut and Fill Volumes						Reinforced Concrete				
Total Volume Table						Material Table				
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Volume	Cumulative Cut Volume	Station	Area	Volume	Cumulative Volume
0+000.00	7.75	12.17	0.00	0.00	0.00	0.00	0+000.00	1.38	0.00	0.00
0+010.00	7.94	12.36	78.44	122.65	78.44	122.65	0+010.00	1.38	13.80	13.80
0+020.00	8.14	12.55	80.42	124.56	158.86	247.21	0+020.00	1.38	13.80	27.60
0+030.00	6.22	10.06	71.79	113.06	230.66	360.27	0+030.00	0.99	11.85	39.45
0+040.00	6.17	10.21	61.92	101.36	292.58	461.64	0+040.00	0.99	9.90	49.35
0+050.00	6.32	10.36	62.41	102.87	354.98	564.50	0+050.00	0.99	9.90	59.25
0+060.00	6.47	10.51	63.90	104.37	418.89	668.87	0+060.00	0.99	9.90	69.15
0+070.00	6.70	10.76	65.81	106.38	484.69	775.25	0+070.00	0.99	9.90	79.05
0+080.00	7.02	11.07	68.57	109.16	553.27	884.42	0+080.00	0.99	9.90	88.95
0+090.00	4.86	8.91	59.40	99.92	612.67	984.33	0+090.00	0.99	9.90	98.85
0+100.00	2.56	6.60	37.12	77.59	649.79	1061.92	0+100.00	0.99	9.90	108.75

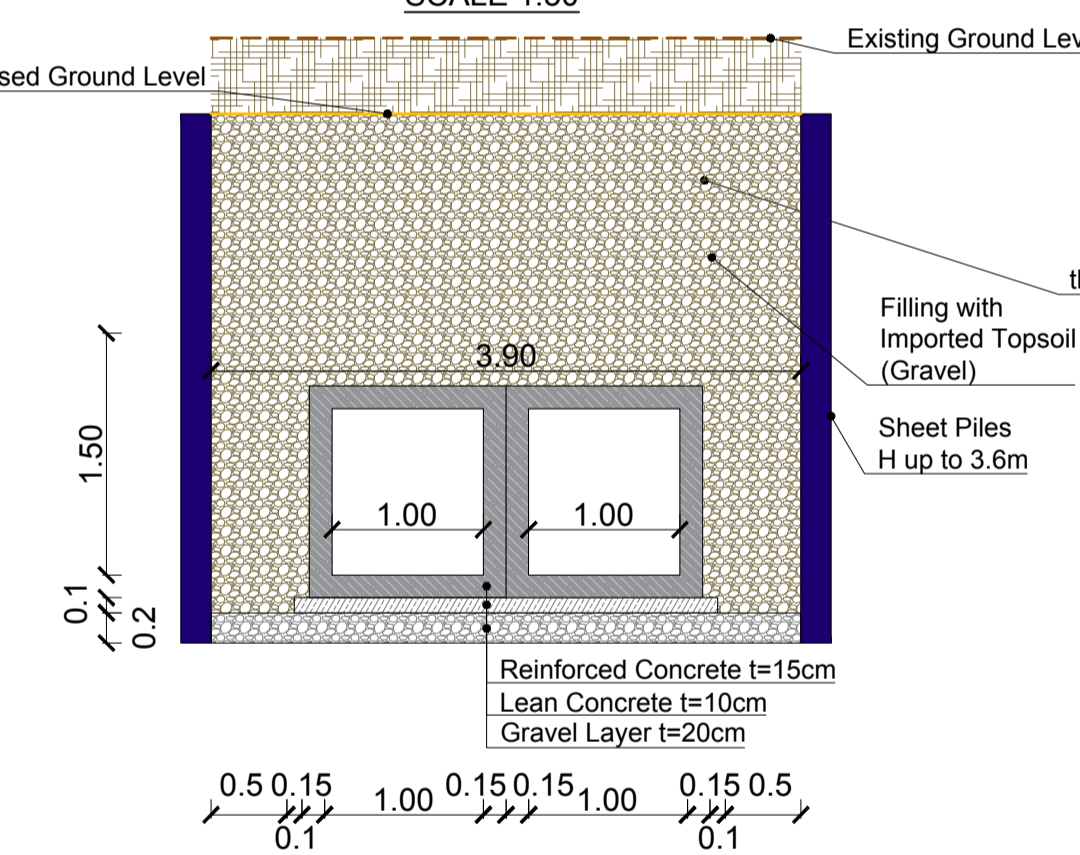
Lean Concrete			Gravel		
Material Table			Material Table		
Station	Area	Volume	Station	Area	Volume
0+000.00	0.28	0.00	0+000.00	0.76	0.00
0+010.00	0.28	2.80	0+010.00	0.76	7.60
0+020.00	0.28	2.80	0+020.00	0.76	15.20
0+030.00	0.20	2.40	0+030.00	0.60	6.80
0+040.00	0.20	2.00	0+040.00	0.60	28.00
0+050.00	0.20	2.00	0+050.00	0.60	34.00
0+060.00	0.20	2.00	0+060.00	0.60	40.00
0+070.00	0.20	2.00	0+070.00	0.60	46.00
0+080.00	0.20	2.00	0+080.00	0.60	52.00
0+090.00	0.20	2.00	0+090.00	0.60	58.00
0+100.00	0.20	2.00	0+100.00	0.60	64.00

**SECTION VIEWS LEGEND AND NOTES**

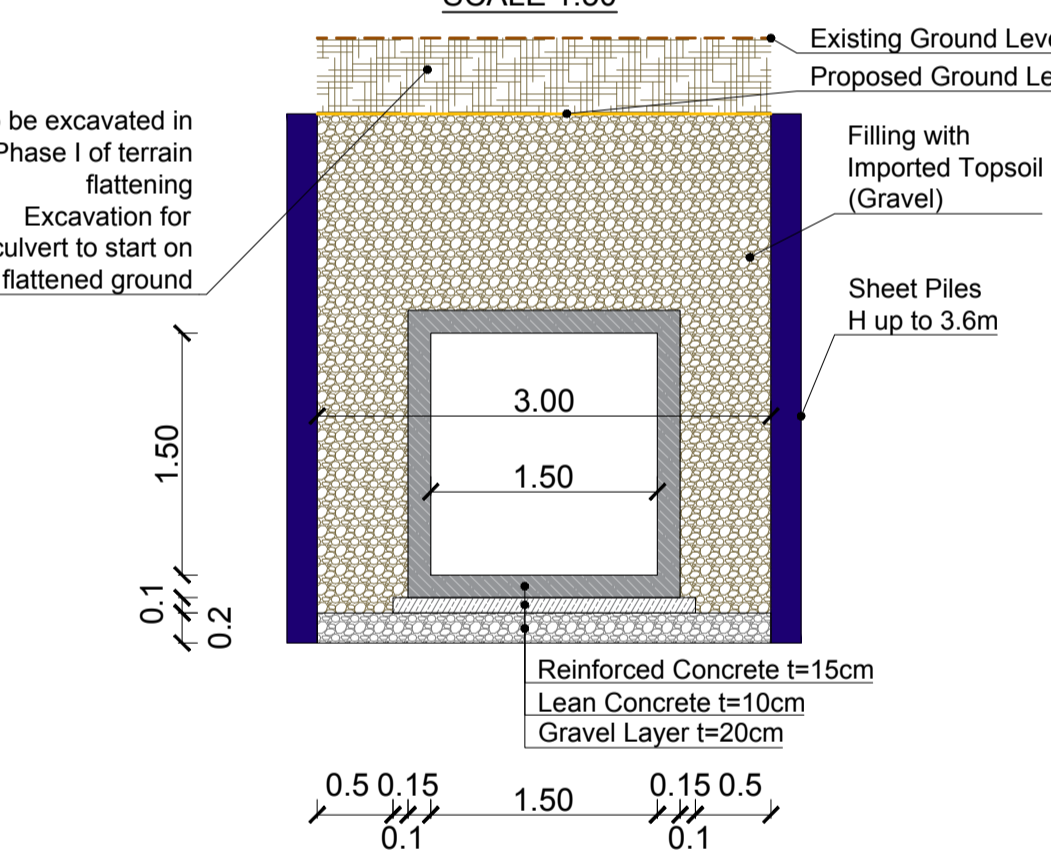
SYMBOL	DESCRIPTION
[Symbol]	Concrete Box Culvert
[Symbol]	Lean Concrete Layer t=10cm
[Symbol]	Gravel Layer t=20cm
[Symbol]	Crushed Stone Filling
[Symbol]	Filling with Gravel
[Symbol]	Existing Ground Level
[Symbol]	Proposed New Ground Level (after Phase I)
[Symbol]	Temporary Sheet Piles (See Detail)
[Symbol]	Ground Level after Excavation Phase I

**NOTES:**  
 1. All dimensions are in meters, otherwise there will be a note.  
 2. It is proposed to fully flatten the project area and excavate up to design level and then, excavate for these culverts. Required crushed stone volume for the outlet part is 5.5m<sup>3</sup> and temporary sheet piles is 860m<sup>2</sup>.

**REINFORCED CONCRETE DOUBLE BARREL BOX CULVERT TYPICAL SECTION B=1.0m H=1.0m t=15cm, STA: 0-25 SCALE 1:50**



**REINFORCED CONCRETE BOX CULVERT TYPICAL SECTION B=1.5m H=1.5m t=15cm, STA: 25-100 SCALE 1:50**



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**DD-H-SW-OV Overflow Culvert - Plan, Profile, Sections and Details**

Drawing number: 841 x 594 mm. Description: 1:500. Date: 23-09-2022

Phase: Detailed Design. Format: 841 x 594 mm. Scale: 1:500. Date: 23-09-2022

Project name: L077 Master Plan of Interventions at the Entrance of Shkodra

Project number: [blank] Project name: [blank]

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MATERIALS

SYMBOL	DESCRIPTION
	CONCRETE LAYER / SHITRESE BETONI
	GRAVEL LAYER / SHITRESE ZHAVORRI
	ASPHALT LAYER / SHITRESE ASFALTI
	SOIL FILLING / MBUSHJIE DHEU
	GROUND / TOKE NATYRALE
	SOIL / MBUSHJIE DHEU
	CHDPE PIPE / TUB CHDPE
	GRANITE COBBLESTONE / KALLDREM GRANITI
	STABILISED BALLAST / STABILIZANT
	BINDER / BINDER

GENERAL

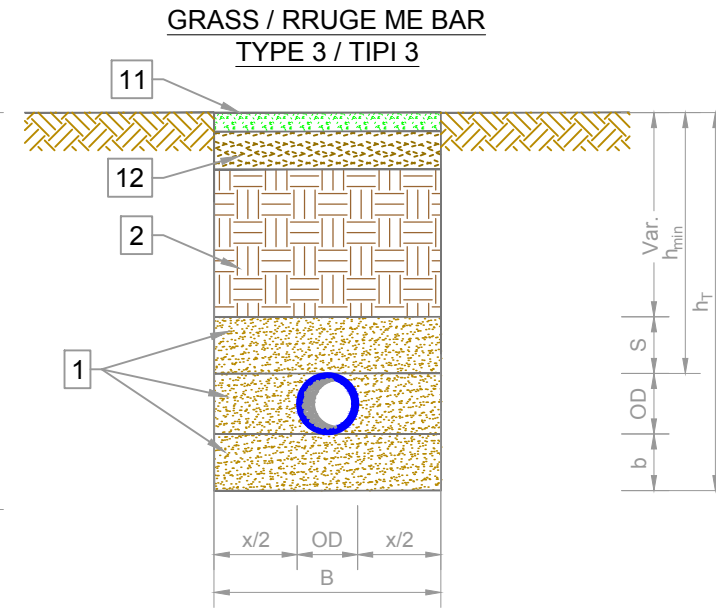
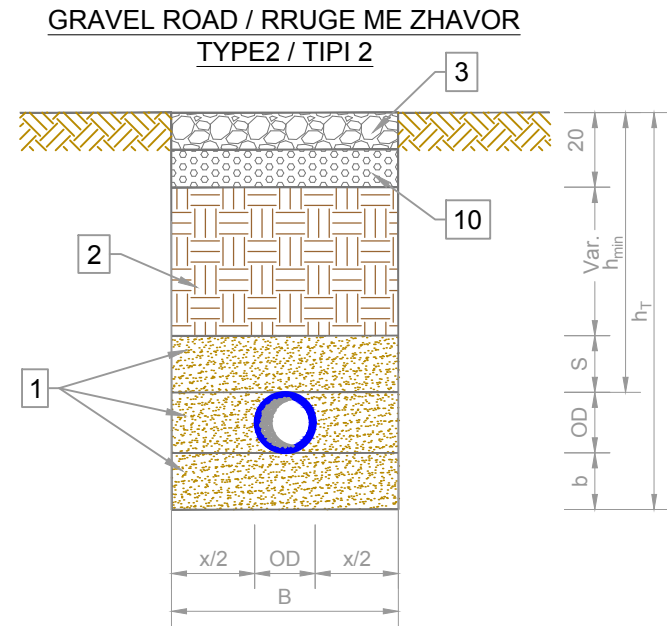
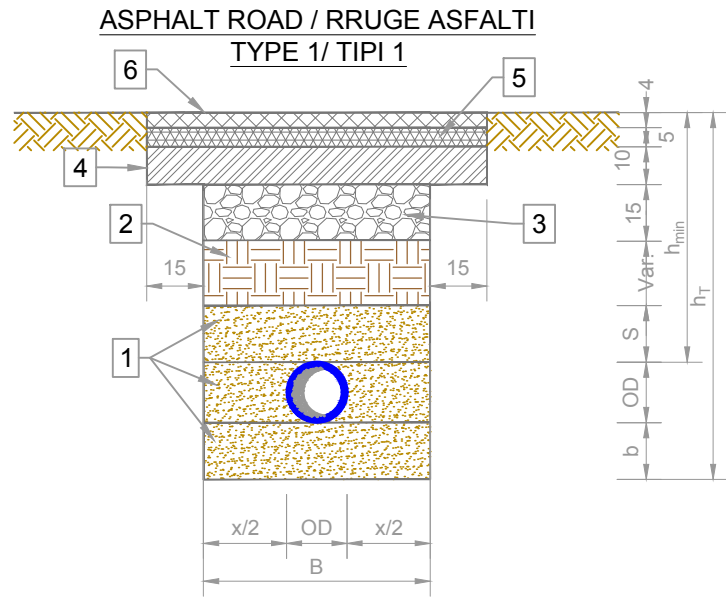
Nr	USED PIPE / TUBI I PERDORUR	x	OD	B	b	S	h <sub>min</sub>	h <sub>T</sub>
		m	mm	m	m	m	m	m
1	Tub CHDPE DE160 (OD160, ID141)	0.8	160	0.8	0.15	0.15	1.0	1.3
2	Tub CHDPE DE200 (OD200, ID176)	0.8	200	0.8	0.15	0.15	1.0	1.35
3	Tub CHDPE DE250 (OD250, ID222)	0.8	250	1.0	0.15	0.15	1.0	1.4
4	Tub CHDPE DE315 (OD315, ID278)	0.8	315	1.0	0.15	0.15	1.0	1.5
5	Tub CHDPE DE400 (OD400, ID348)	0.8	400	1.2	0.15	0.15	1.0	1.6
6	Tub CHDPE DE500 (OD500, ID432)	1.0	500	1.5	0.15	0.15	1.0	1.7
7	Tub CHDPE DE630 (OD630, ID570.0)	1.0	630	1.5	0.15	0.15	1.0	1.85

No	DESCRIPTION
1	Sand filling / Mbushje me rëre
2	Filling with imported material / Mbushje me material të importuar
3	Compacted light gray gravel t=10cm / Zhavorri i kompaktuesuar gri t=10cm
4	Stabilizer layer t=10cm / Shtresë stabilizanti t=10cm
5	Binder layer t=6cm / Shtresë bindeni t=5cm
6	Asphalt concrete layer t=4cm / Shtresë asfaltbetoni t=4cm
7	Concrete layer t=6cm / Shtresë betoni t=6cm
8	Sidewalk with tiles t=6cm / Trotuar me pllaka t=6cm
9	Soil fill / Mbushje dheu
10	Compacted subgrade layer t=10cm / Mbushje me zhavorr te kompaktuar t=10cm
11	Grass / Bar
12	Humus / Humus
13	Reinforced concrete slab t=20cm / Shtrese B/A t=20cm
14	Fine picked granite cobblestone black and white t=8cm / Shtrese me gure graniti te bardha dhe te zeza t=8cm
15	Mortar joint t=1cm / Shtrese llaci t=1cm
16	Mortar bed t=5cm / Shtrese llaci t=5cm

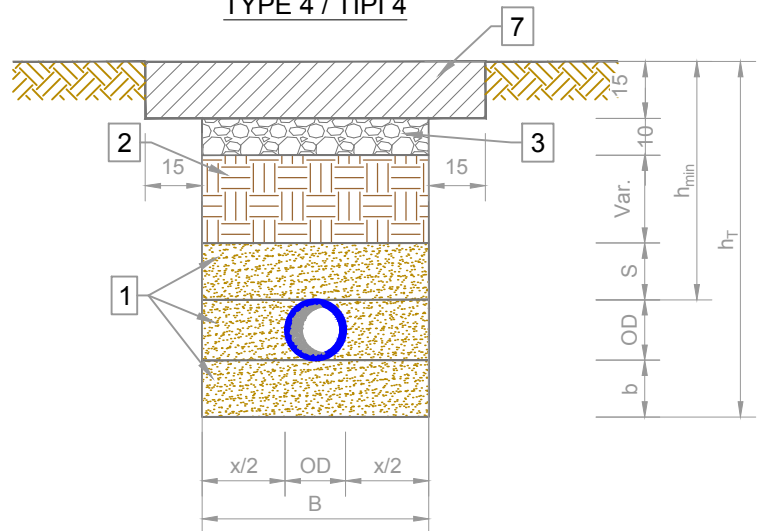
NOTES

- All coordinates are in the UTM coordinate system WGS84 34N.
- All dimensions are in meters, otherwise there will be a note.
- The values in the table above indicate the minimum that must be respected.

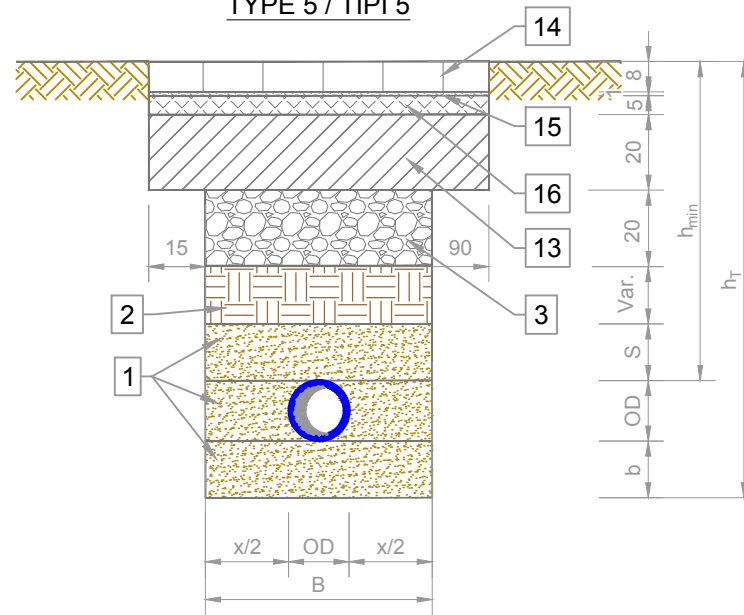
TYPICAL TRENCH DETAIL / SEKSIONE GERMIMI TIP



CONCRETE ROAD / RRUGE ME BETON TYPE 4 / TIPI 4



COBBLESTONE ROAD / RRUGE ME PLLAKA TYPE 5 / TIPI 5



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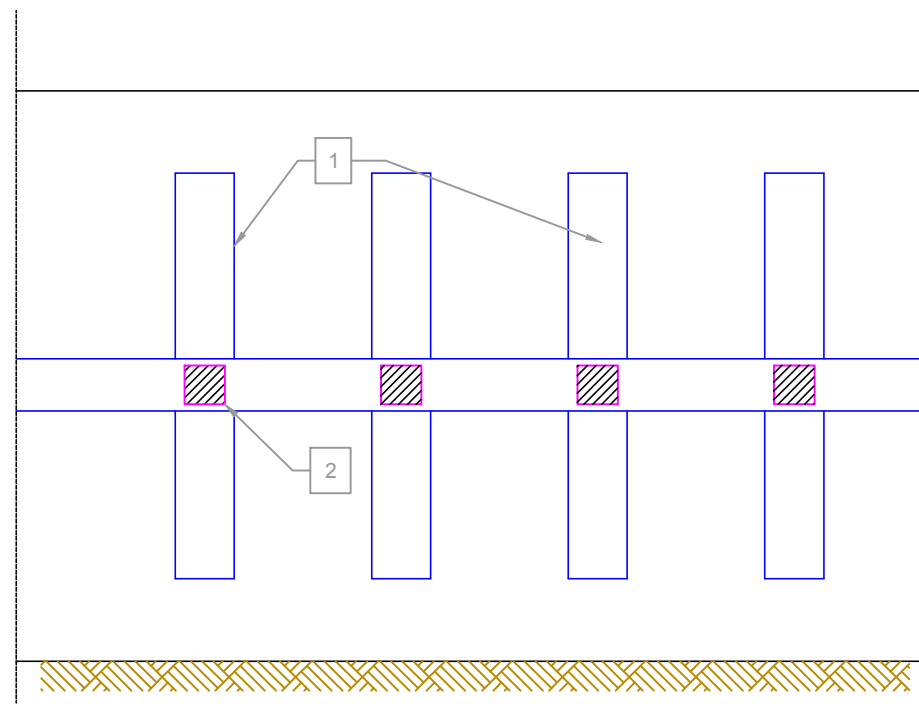
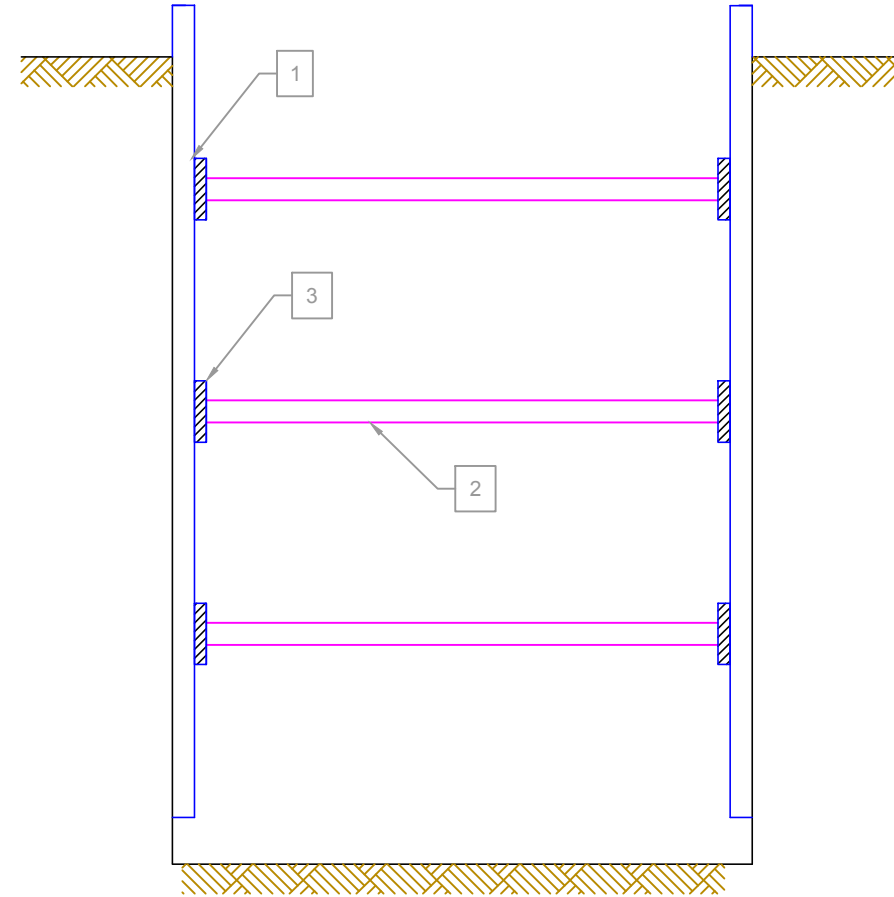
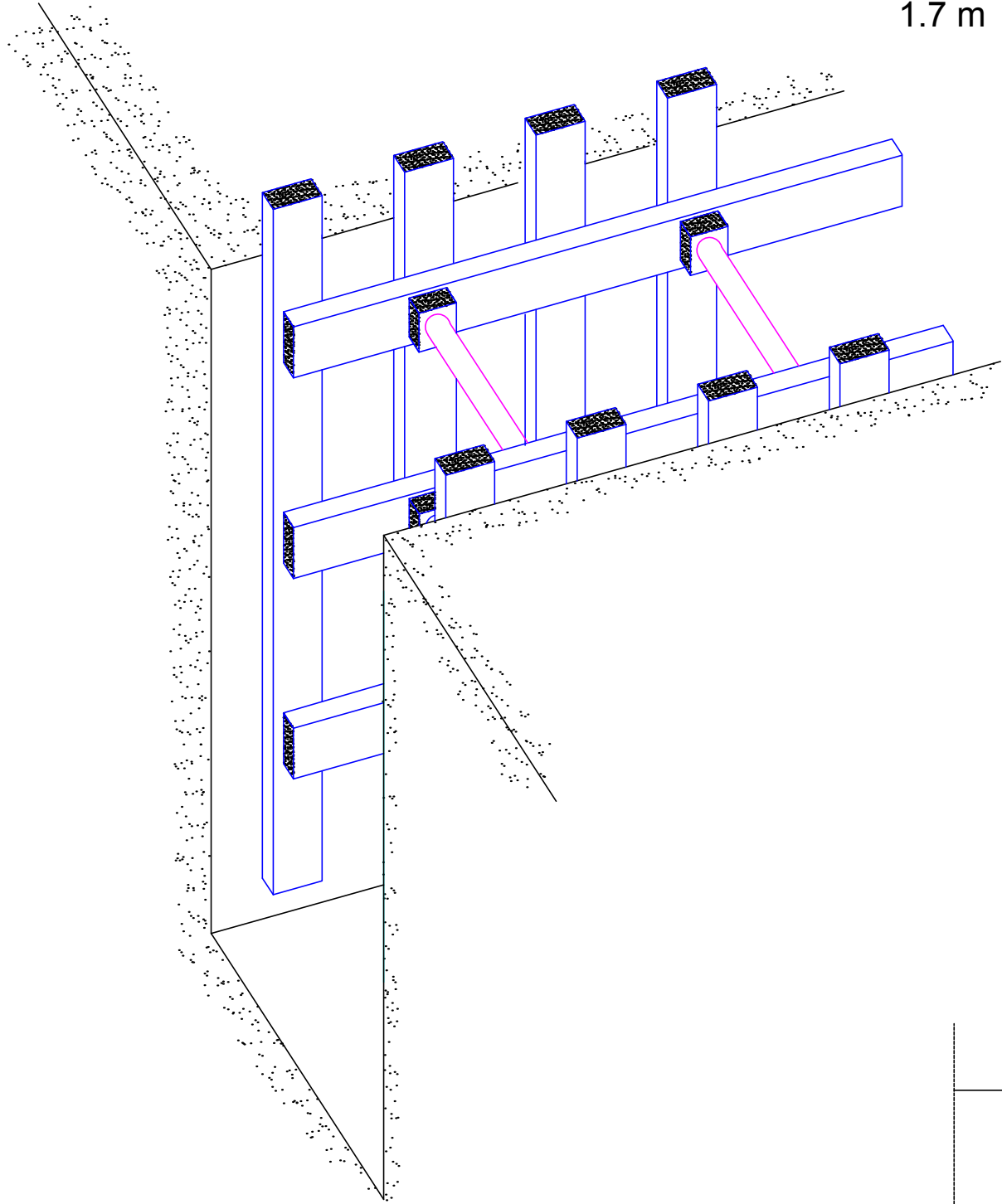
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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DD-SD-SW-01 Storm Water Typical Trench Detail	
Drawing number	Description
Detailed Design	420 x 297 mm 1:20 04-10-2022
Phase	Format Scale Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

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# SHEETPILES DETAIL FOR TRENCHES OVER 1.7 m



## LEGEND AND NOTES

### MATERIALS

#### LIST OF MATERIALS

ITEM	DESCRIPTION
1	SHEET PILES WALL/ PILOTA
2	STRUT/ BJELLE
3	WALE/ MBESHETJE

### NOTES

1. Wood (wooden beam): 3-5 cm thick, 15-30 cm wide and 2.00-6.00 m long.
2. Support: 8x8 to 24x24 cm in cross-section and 2.00-6.00 m long.
3. Support beam: 8x8 to 12x30 cm cross-section, 2.00-6.00 m long.
4. Spacing of wooden beams in intermediate wooden fastening: 30 cm, The spacing of the support is: 1.00-2.00 m.
5. Spacing of wooden beams in closely spaced wooden fastening: 10 cm, Distance of support: 1.00 m.

1. Dru (trarë druri): 3-5 cm i trashë, 15-30 cm i gjerë dhe 2.00-6.00 m i gjatë.
2. Mbështetja: 8x8 deri në 24x24 cm në prerje tërthore dhe 2.00-6.00 m gjatësi.
3. Trari mbështetës: Prerje tërthore 8x8 deri në 12x30 cm, gjatësi 2.00-6.00 m.
4. Hapësira e trarëve të drurit në fiksion të ndërmjetëm prej druri: 30 cm, Hapësira e suportit është: 1.00-2.00 m.
5. Hapësira e trarëve prej druri në fiksion druri të ngushtë: 10 cm, Largësia e mbështetjes: 1.00 m.

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DD-SD-SW-02 Sheet Pile Detail for Storm Water Trench H>1.7m

Drawing number	Description
Detailed Design	420 x 297 mm 1:25 04-10-2022
Phase	Format Scale Date

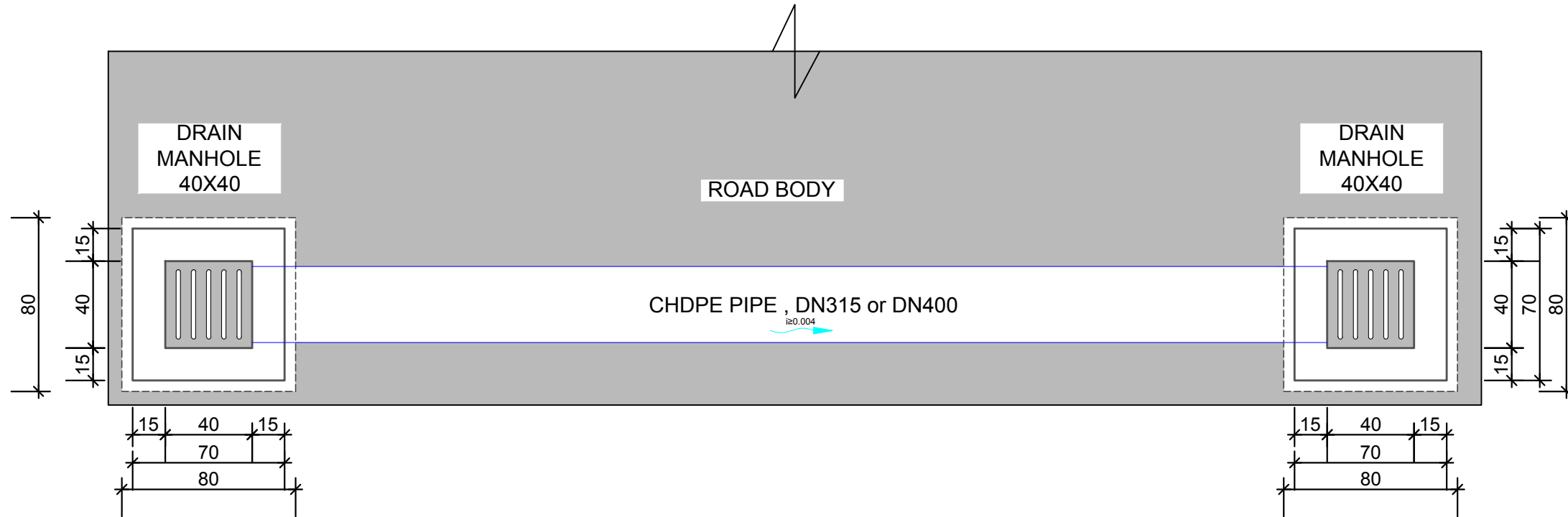
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

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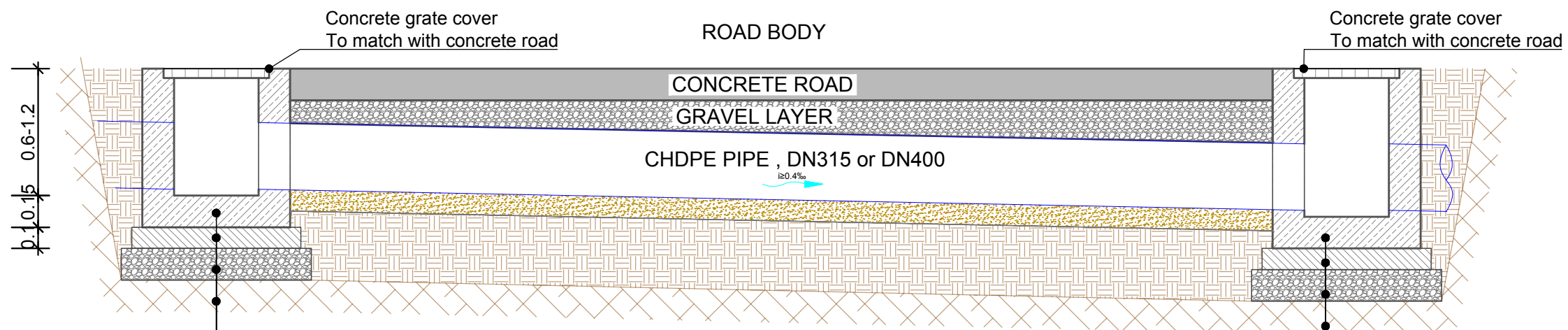
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LEGEND / LEGJENDA	
SYMBOL	DESCRIPTION
	CONCRETE PAVEMENT / RRUGE BETONI
	GRAVEL LAYER / SHITRESE ZHAVORRI
	REINFORCED CONCRETE / BETONARME
	SOIL FILLING / MBUSHJE DHEU
	GROUND / TOKE NATYRALE
	SAND FILLING / MBUSHJE RERE
	CHDPE PIPE / TUB CHDPE

### PLAN VIEW



### SECTION VIEW



Beton i Armar C25/30	Reinforced Concrete C25/30
Beton i Varfer C12/15	Lean Concrete C12/15
Shtresë Zhavorri	Gravel Layer
Toke	Soil

Beton i Armar C25/30	Reinforced Concrete C25/30
Beton i Varfer C12/15	Lean Concrete C12/15
Shtresë Zhavorri	Gravel Layer
Toke	Soil

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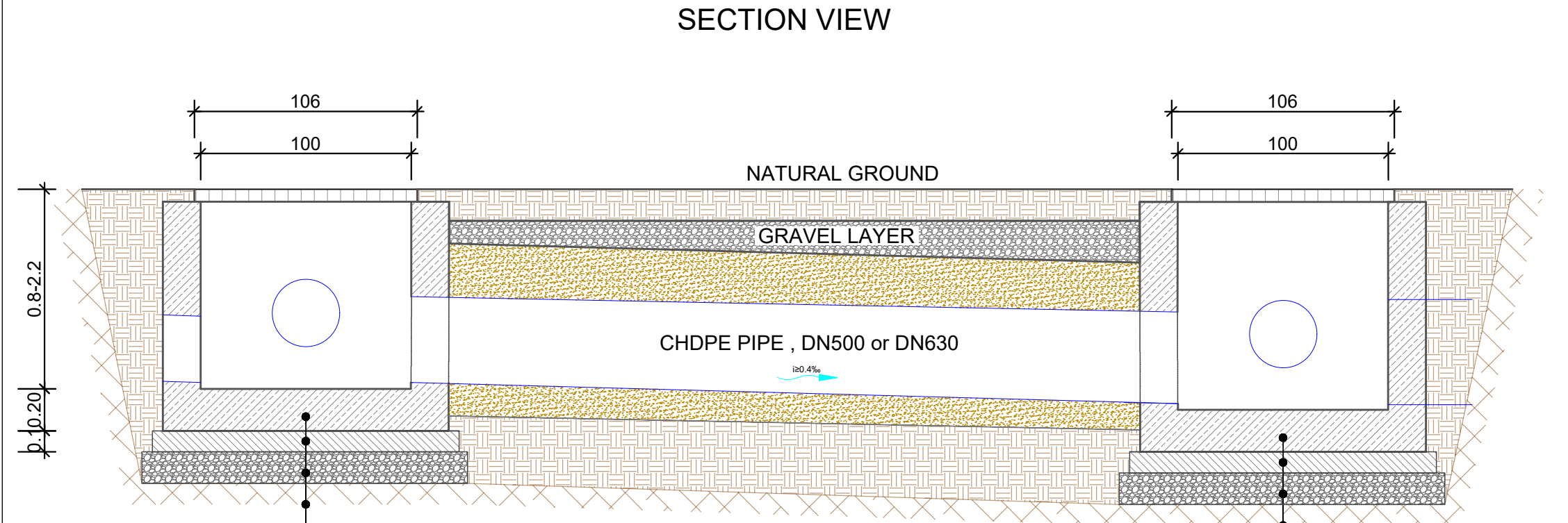
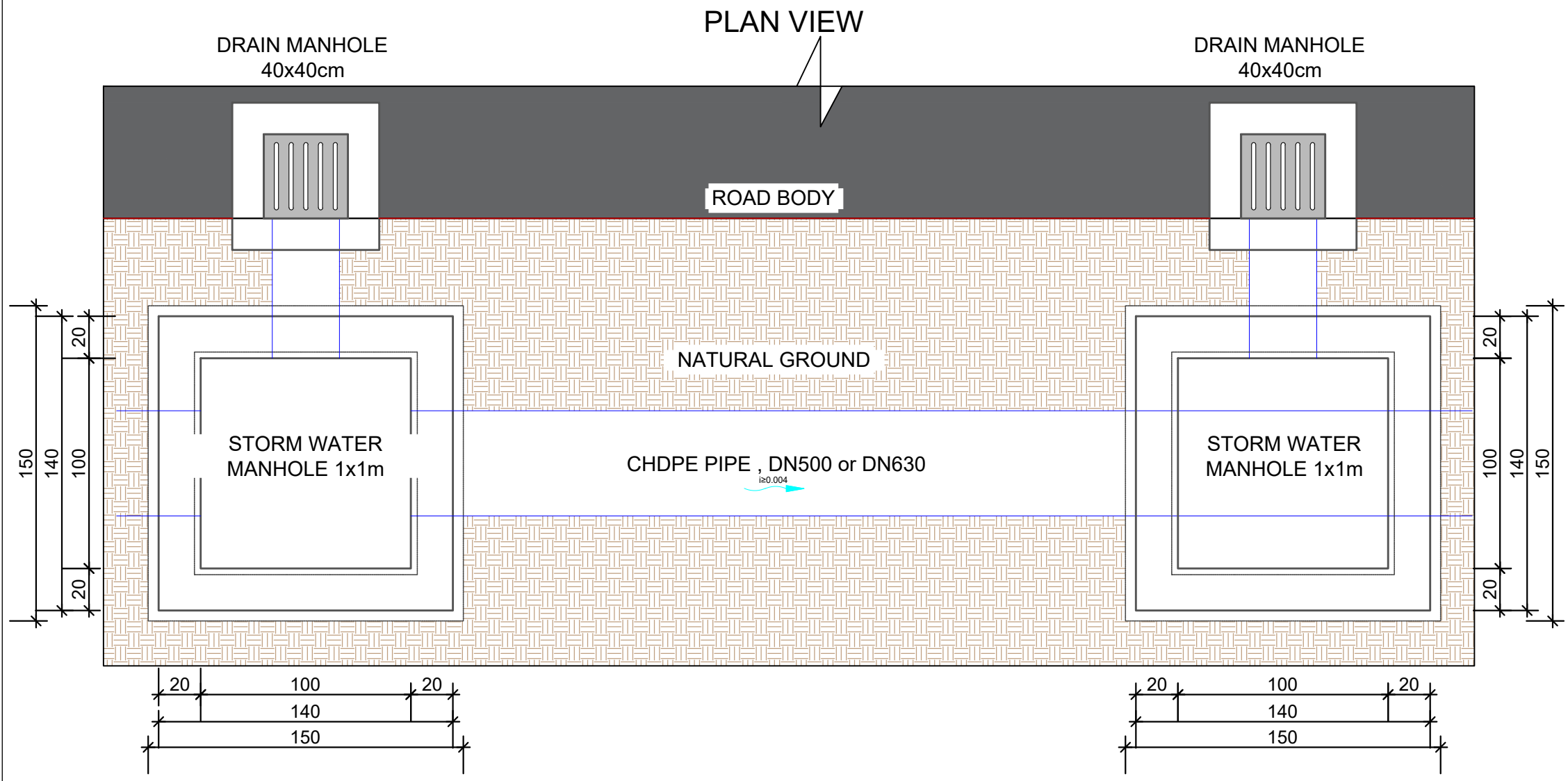
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Drawing number	Description
DD-SD-SW-03	Drainage Manhole 40x40cm Detail
Detailed Design	420 x 297 mm 1:25 28-09-2022
Phase	Format Scale Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

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Beton i Armuar C25/30	Reinforced Concrete C25/30
Beton i Varfer C12/15	Lean Concrete C12/15
Shtresë Zhavorri	Gravel Layer
Toke	Soil

Beton i Armuar C25/30	Reinforced Concrete C25/30
Beton i Varfer C12/15	Lean Concrete C12/15
Shtresë Zhavorri	Gravel Layer
Toke	Soil

LEGEND / LEGJENDA	
SYMBOL	DESCRIPTION
	CONCRETE PAVEMENT / RRUGE BETONI
	GRAVEL LAYER / SHITRESE ZHAVORRI
	REINFORCED CONCRETE / BETONARME
	SOIL FILLING / MBUSHJE DHEU
	GROUND / TOKE NATYRALE
	SAND FILLING / MBUSHJE RERE
	CHDPE PIPE / TUB CHDPE

**NOTES / SHENIME :**  
 1. All manhole covers used for these manholes shall be made according to detailed drawing DD-D-C-01, Type 1000x1000mm. / Të gjithë kapakët e përdorur për këto puseta do të realizohen sipas vizatimit të detajuar DD-D-C-01, Tipi 1000x1000mm.

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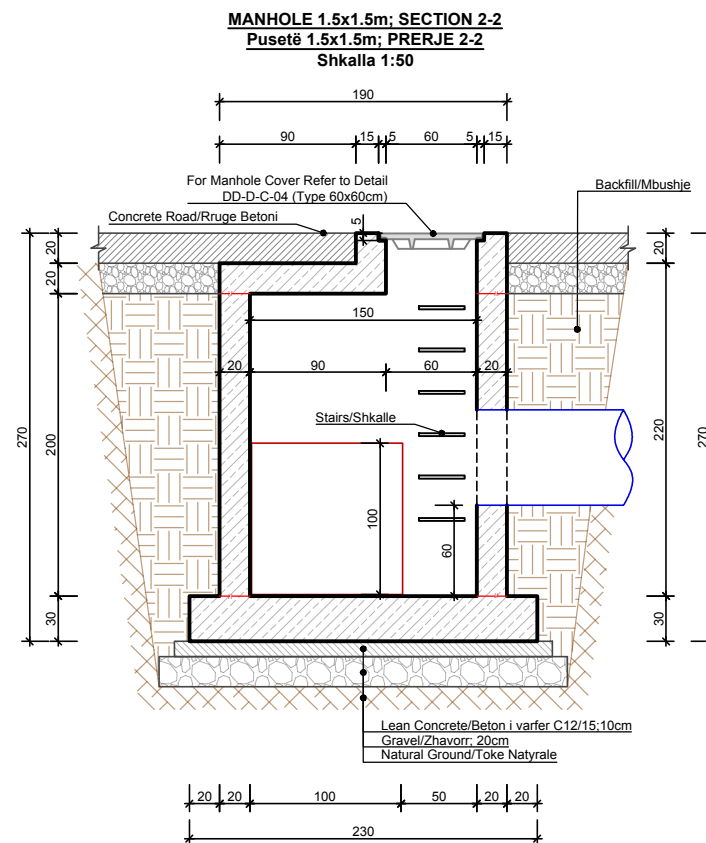
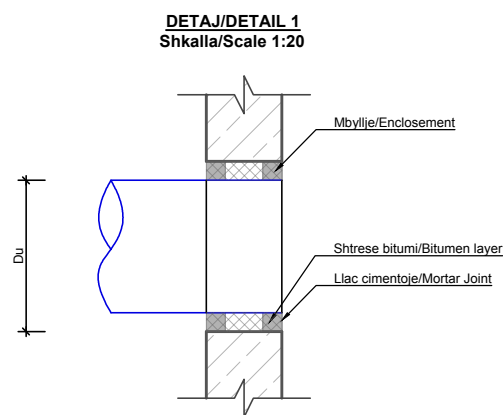
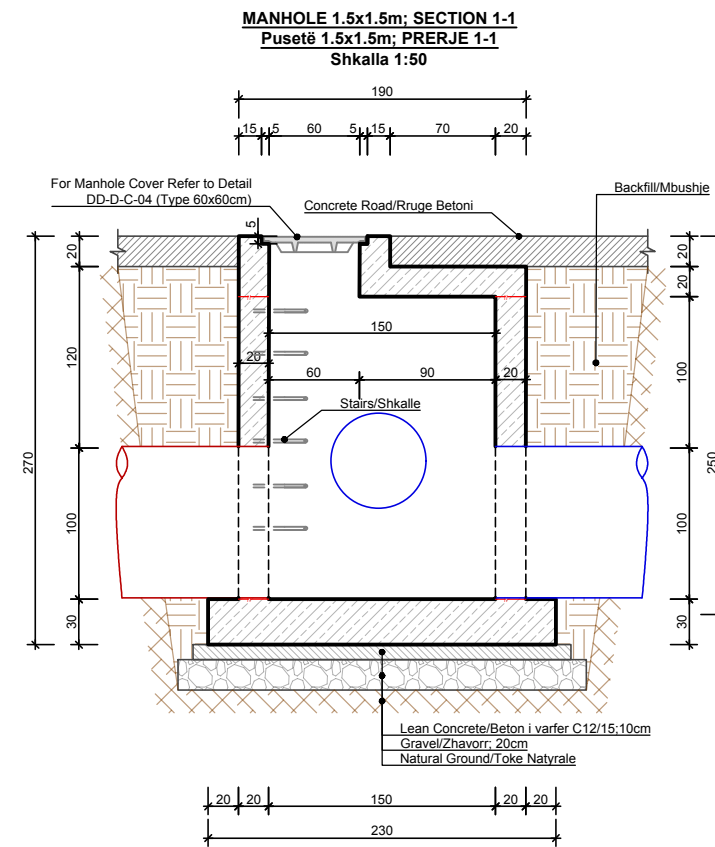
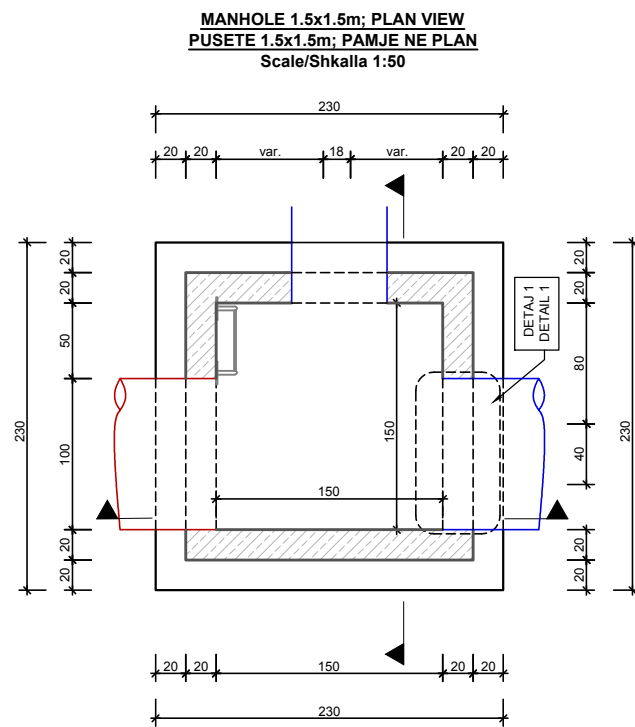
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DD-SD-SW-04		Storm Water Manhole 1x1m Detail	
Drawing number	Description		
Detailed Design	420 x 297 mm	1:25	04-10-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		
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LEGEND / LEGJENDA	
SYMBOL	DESCRIPTION
	CONCRETE PAVEMENT / RRUGE BETONI
	GRAVEL LAYER / SHITRESE ZHAVORRI
	REINFORCED CONCRETE / BETONARME
	SOIL FILLING / MBUSHJE DHEU
	GROUND / TOKE NATYRALE
	SAND FILLING / MBUSHJE RERE
	PROPOSED PIPE OR CULVERT / TUB OSE TOMBINO E PROPOZUAR
	EXISTING CULVERT / TOMBINO EKZISTUESE
	CONSTRUCTION JOINT / FUGE BETONIMI

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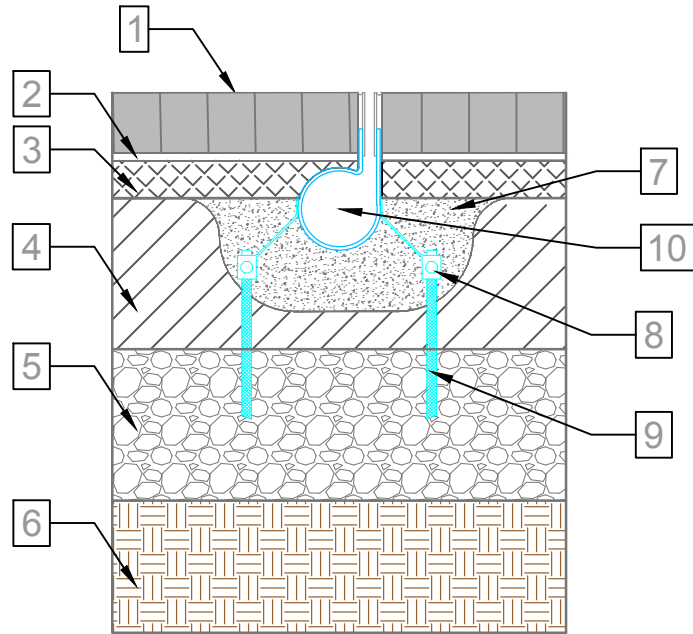
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DD-SD-SW-05 Storm Water Manhole 1.5x1.5m Detail	
Drawing number	Description
Detailed Design	420 x 297 mm 1:50 28-09-2022
Phase	Format Scale Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

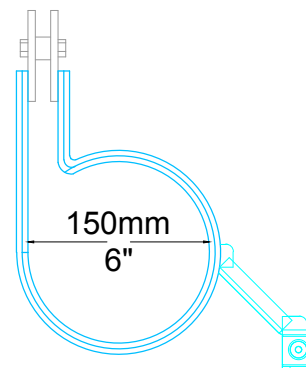
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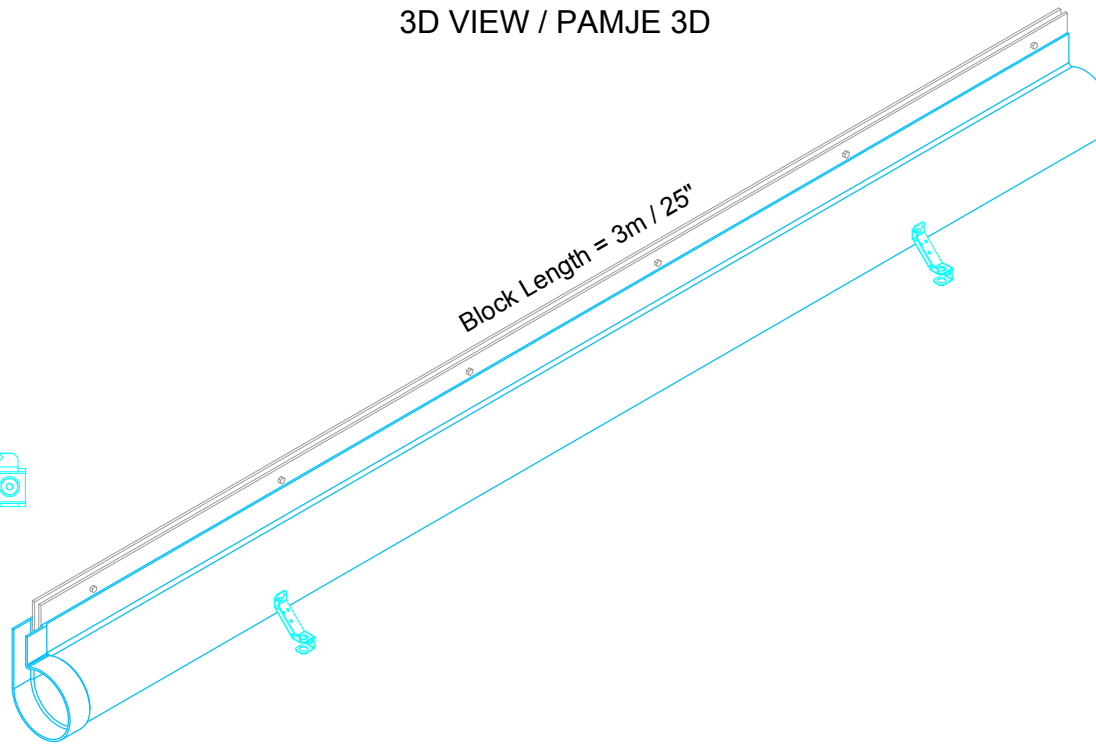
SECTION VIEW / PAMJA NE PRERJE



DETAIL OF SLOT PIPE / DETAJ



3D VIEW / PAMJE 3D

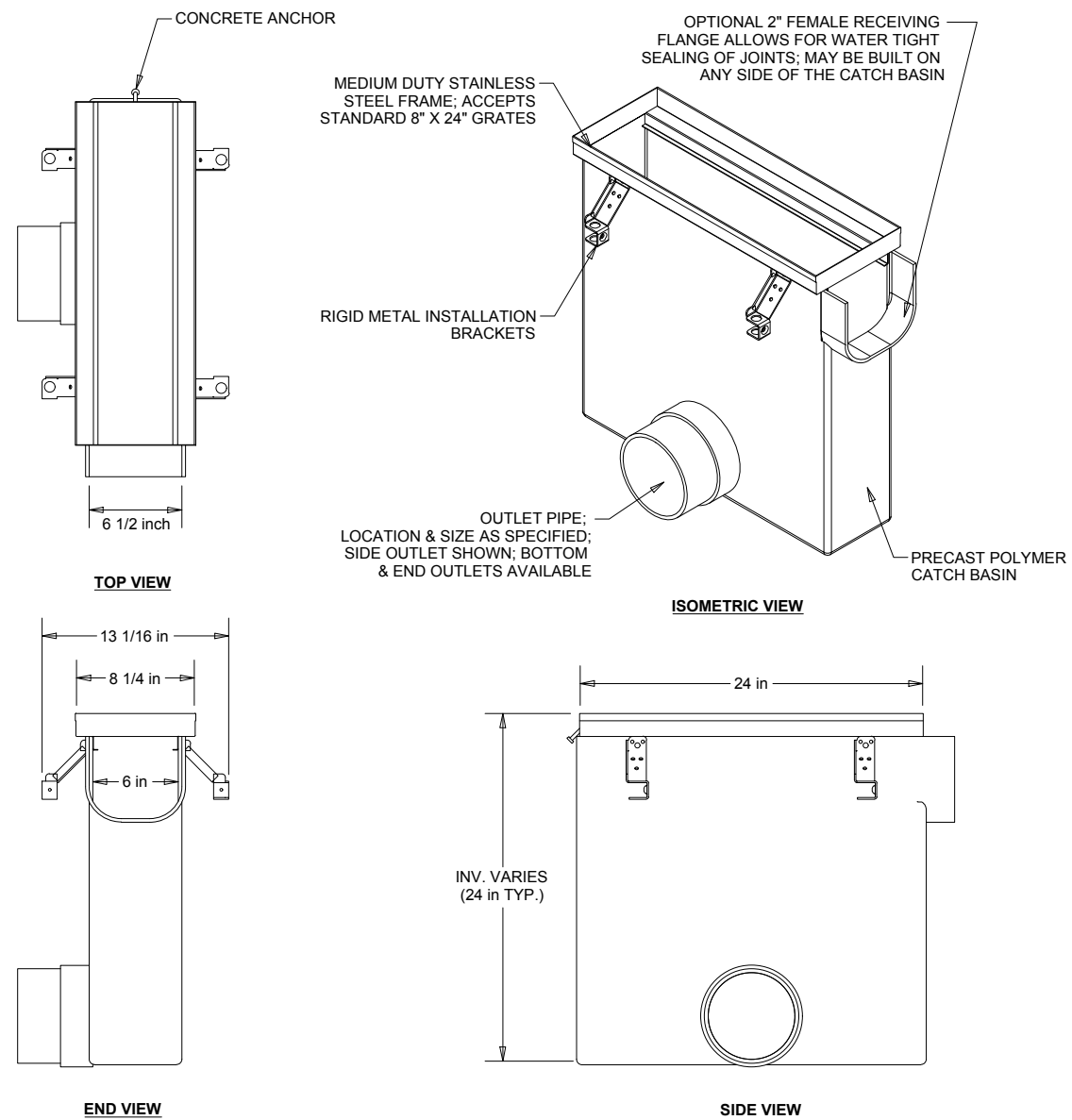


TRENCH MATERIAL	FIBER REINFORCED POLYMER
FRAME MATERIAL	T304 STAINLESS STEEL
FRAME COATING	NONE
ANCHOR STUDS	1 1/8" X 1/4"
INSTALL DEVICE	RIGID STAMPED METAL FOR #4 BARS
LOAD RATING	MEDIUM DUTY
SLOPE	0.5% TYP (CUSTOM SLOPE AVAILABLE)

LEGEND

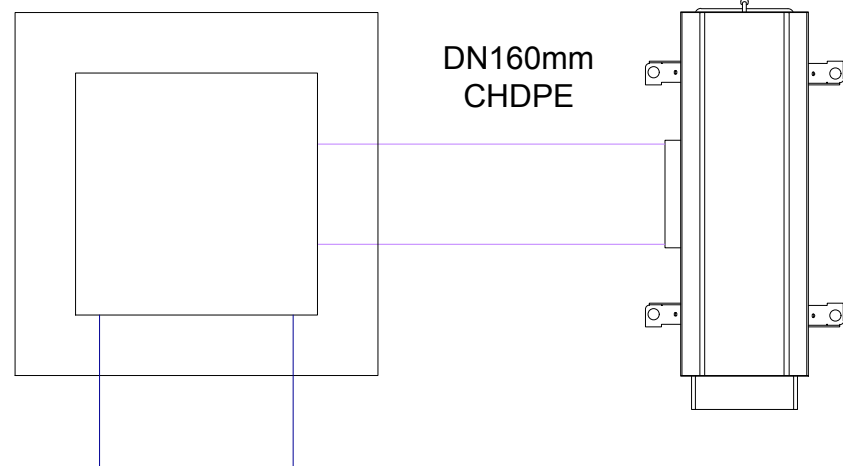
No	DESCRIPTION
1	Fine picked granite cobblestone black and white t=8cm
2	Mortar joint t=1cm
3	Mortar bed t=5cm
4	Reinforced concrete slab t=20cm
5	Crushed gravel t=20cm
6	Soil fill
7	Concrete around slot pipe
8	Installation brackets for aligning and anchoring slot pipe sections
9	Rebar installation legs
10	Precast polymer slot pipe body

SLOT MANHOLE / PUSETA MBLEDHESE



CONNECTION TO STORM NETWORK / LIDHJA ME RRJETIN E K.U.B

40x40cm Manhole / Pusetë Shiu



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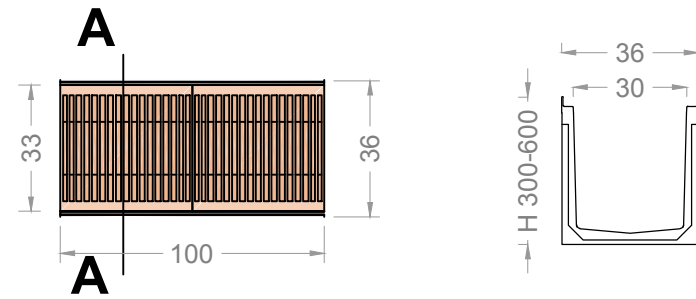
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DD-SD-SW-06		Slot Drain and Manhole Detail	
Drawing number	Description	Scale	Date
Detailed Design	420 x 297 mm	1:50	28-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

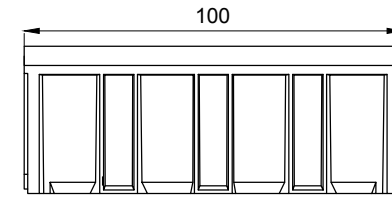
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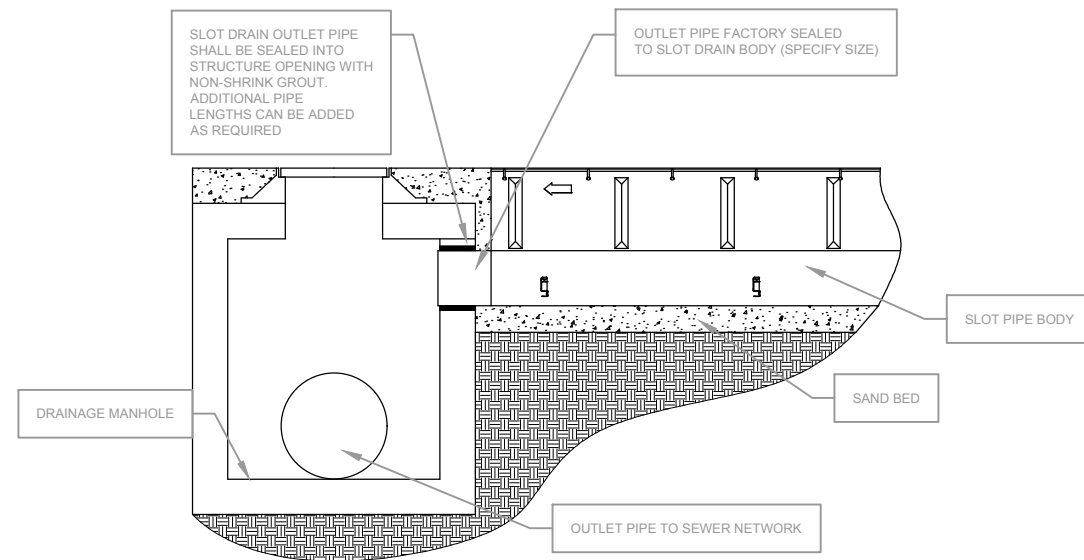
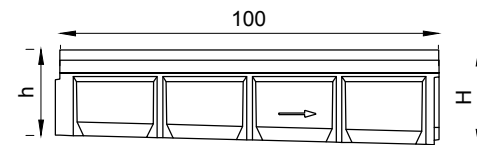
Plan/ Plani Section A-A/ Seksioni A-A



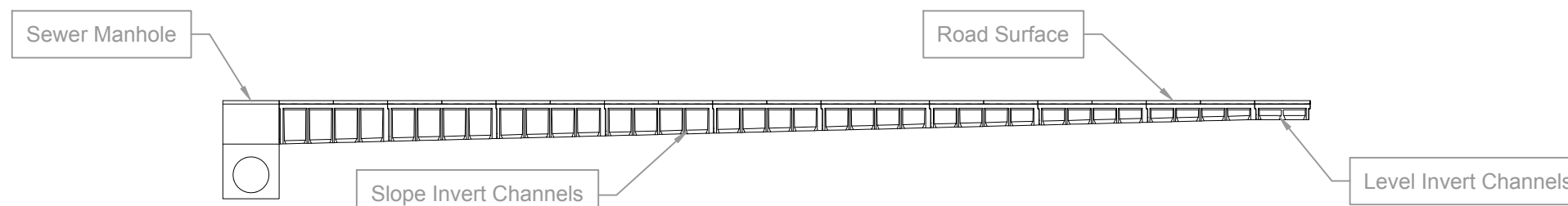
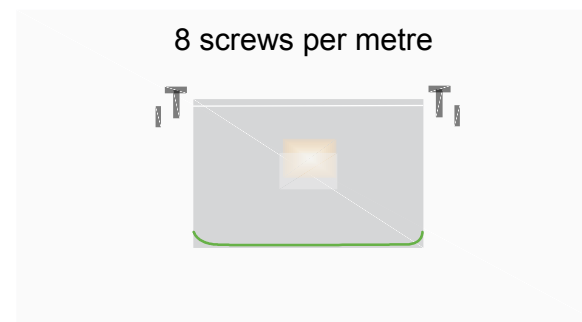
Side View / Pamje Anesore  
Level Invert Channels/ Kanal me taban ne nivel



Slope Invert Channels / Kanal me taban te pjerret



Detail 1



- High hydraulic capacity.
- Self-cleaning effect.
- Minimum maintenance.

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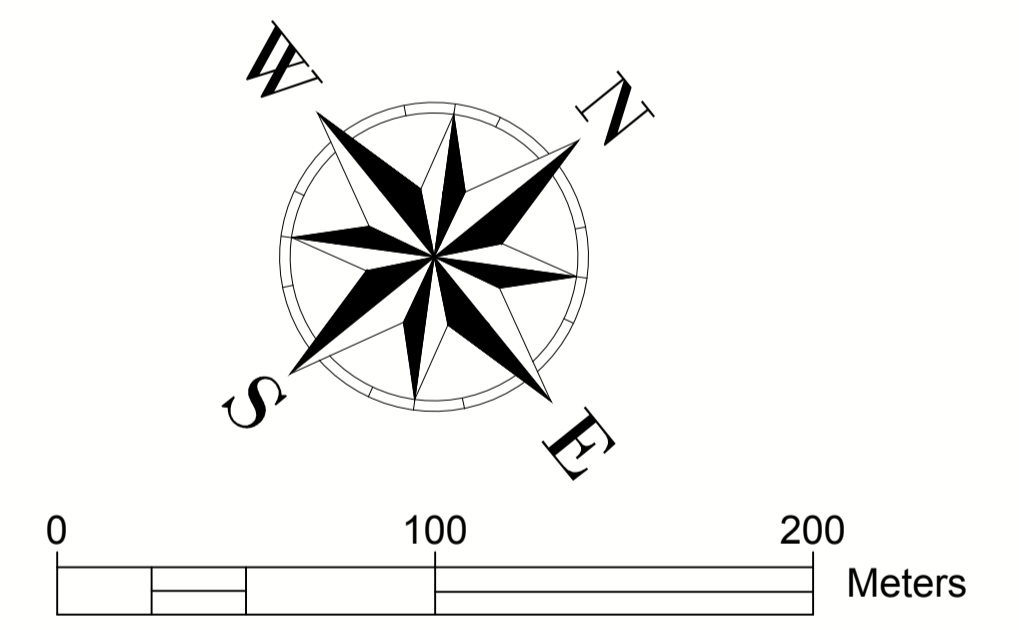
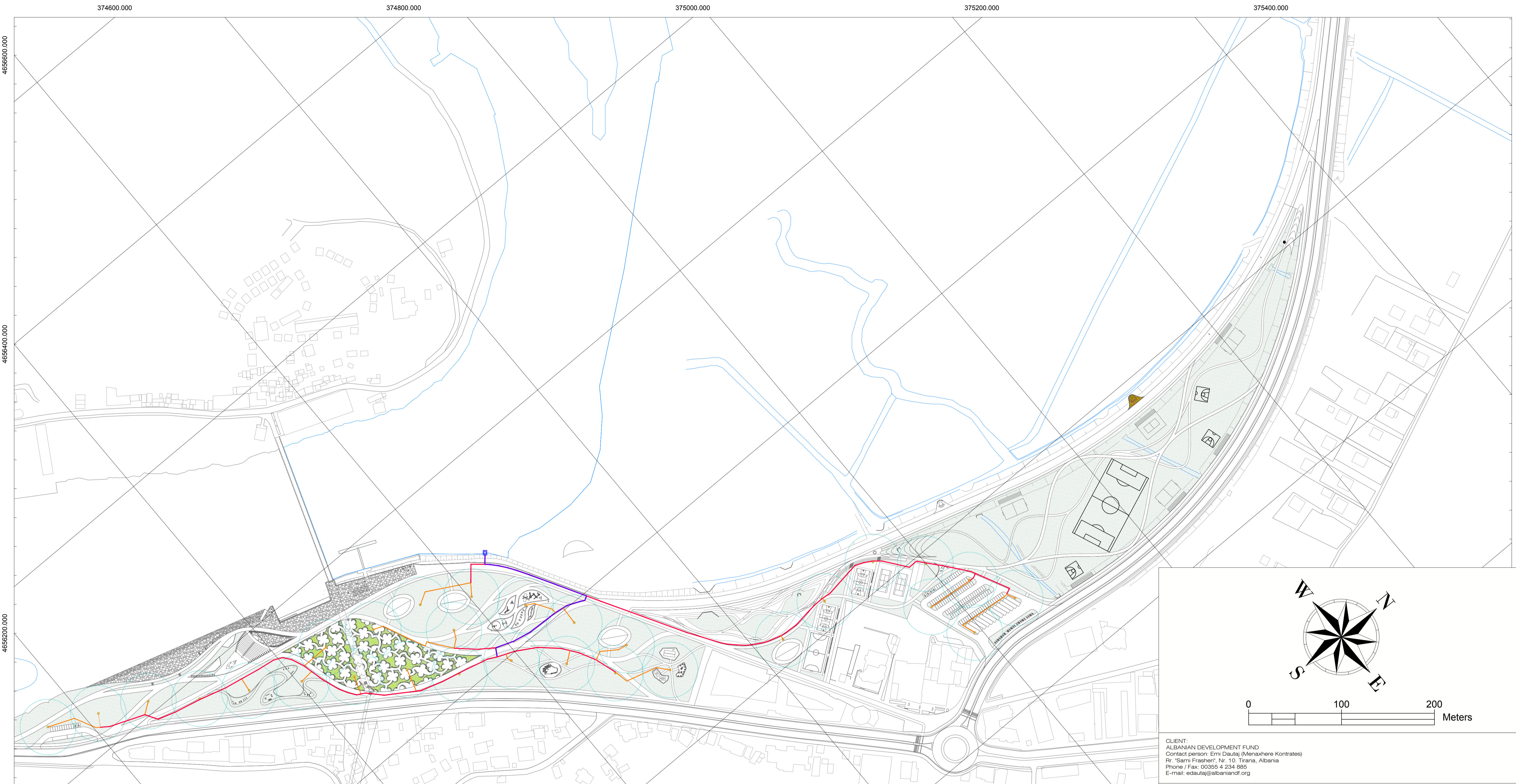
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DD-SD-SW-07		Open Drainage Chanel (for Parking)	
Drawing number	Description		
Detailed Design	420 x 297 mm	1:20	04-10-2022
Phase	Format	Scale	Date
L077		Master Plan of Interventions at the Entrance of Shkodra	
Project number	Project name		

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**DD-H-MP-IR**      General Layout Plan of Proposed Irrigation Network

Drawing number: \_\_\_\_\_      Description: \_\_\_\_\_

**Detailed Design**      841 x 594 mm      1:2000      23-09-2022

Phase: \_\_\_\_\_      Format: \_\_\_\_\_      Scale: \_\_\_\_\_      Date: \_\_\_\_\_

**L077**      Master Plan of Interventions at the Entrance of Shkodra

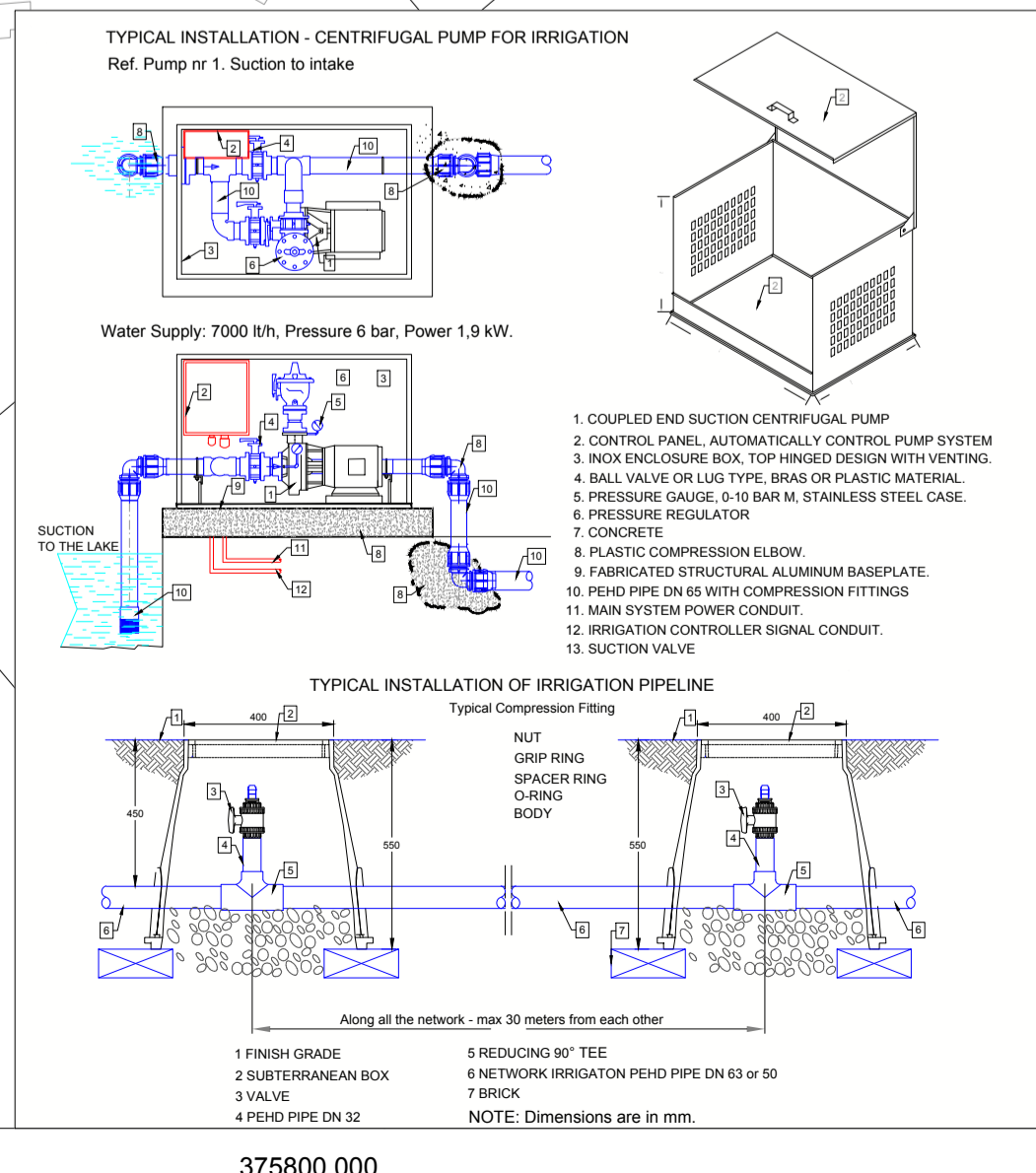
Project number: \_\_\_\_\_      Project name: \_\_\_\_\_

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### LEGEND AND NOTES

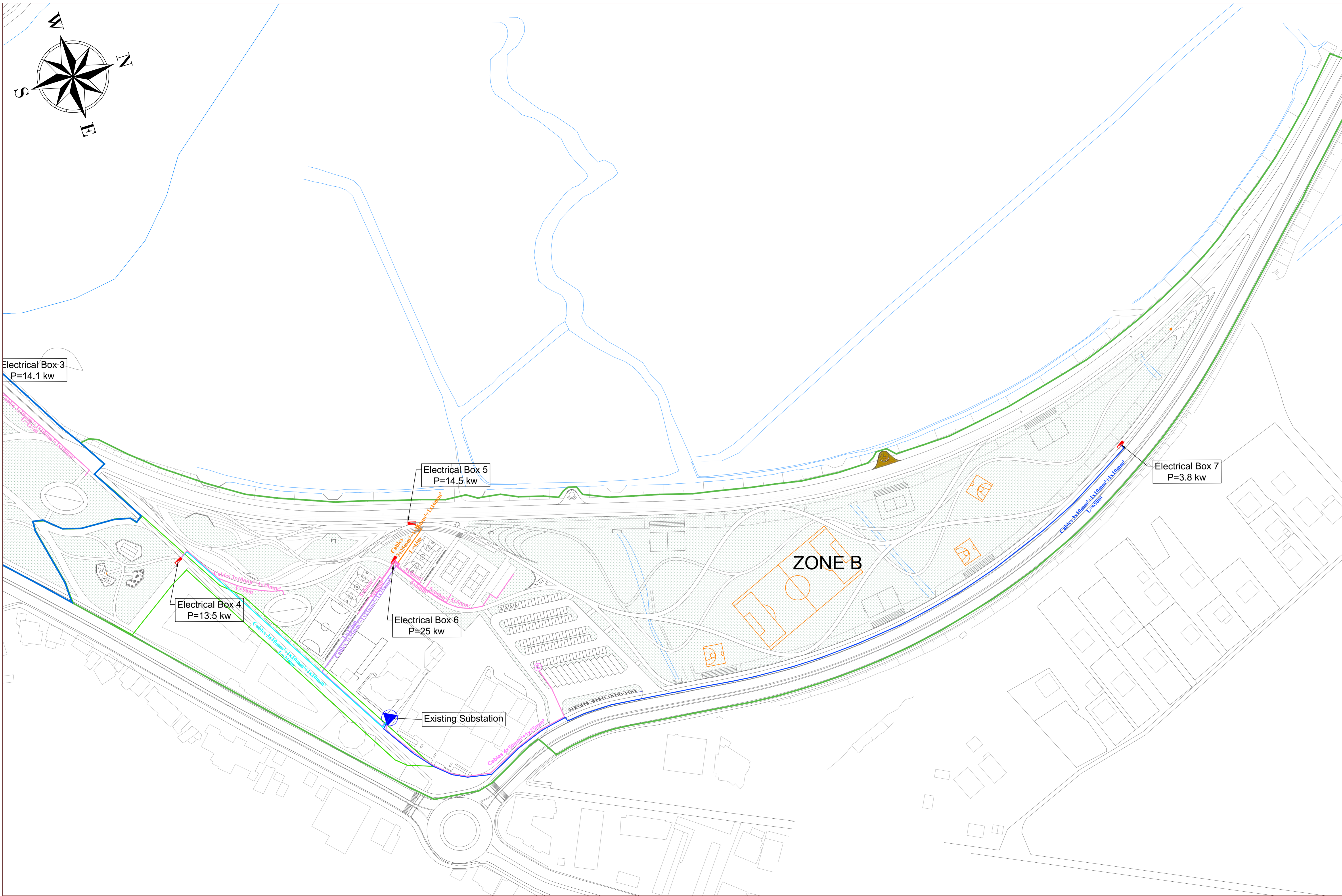
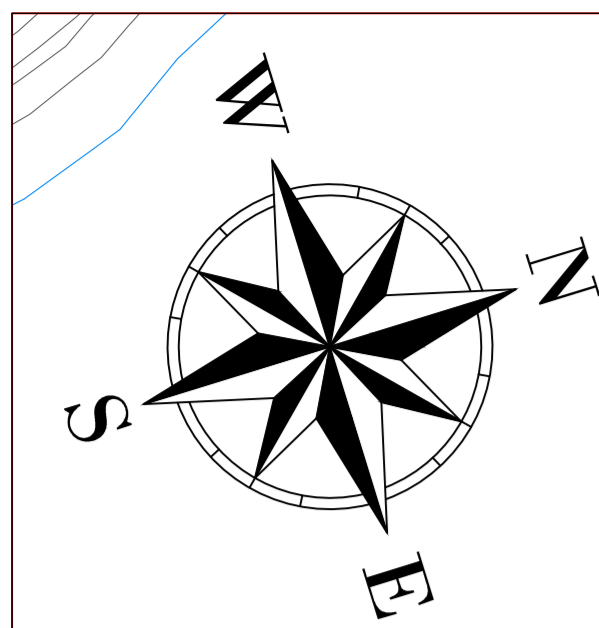
LEGEND	
SYMBOL	DESCRIPTION
	Proposed Irrigation Network Pumping Station (See Detail)
	Irrigation Outlet
	Coverage Area of one Outlet - 30m Radius (Minimum)
	Proposed DE63mm PN10 HDPE Pipe
	Proposed DE50mm PN10 HDPE Pipe
	Proposed DE32mm PN10 HDPE Pipe

- NOTES :**
- All coordinates are in UTM WGS84 34N
  - All dimensions are in meters, otherwise there will be a note.



**VOLUMES TABLE**

AREA	CIVIL WORKS	Excavation	Transport	Topsoil Fill	Sand Bedding Fill	DE32mm HDPE Pipe	DE50mm HDPE Pipe	DN63mm HDPE Pipe	CHDPE Pipe	Outlets
LO W	UNIT	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	ml	ml	ml	ml	pcs
	VOLUME	157.88	115.68	42.20	72.92	144.00	517.50	0.00	8.00	
LO RP	UNIT	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>	ml	ml	ml	ml	pcs
	VOLUME	371.25	267.94	103.29	163.40	565.00	680.00	240.00	21.00	



- Zone A
- Zone B
- EXISTING SUBSTATION
- PROPOSED SUBSTATION
- PROPOSED ELECTRICAL BOX
- ELECTRIC VEHICLE EV CHARGING
- PROPOSED LOW VOLTAGE LINE BOX 1
- PROPOSED LOW VOLTAGE LINE BOX 2
- PROPOSED LOW VOLTAGE LINE BOX 3
- PROPOSED LOW VOLTAGE LINE BOX 4
- PROPOSED LOW VOLTAGE LINE BOX 5
- PROPOSED LOW VOLTAGE LINE BOX 6
- PROPOSED LOW VOLTAGE LINE BOX 7
- PROPOSED POWER SUPPLY (TREE PHASE)

Note:  
Zone A is supplied by new substation.  
Zone B is supplied by existing substation

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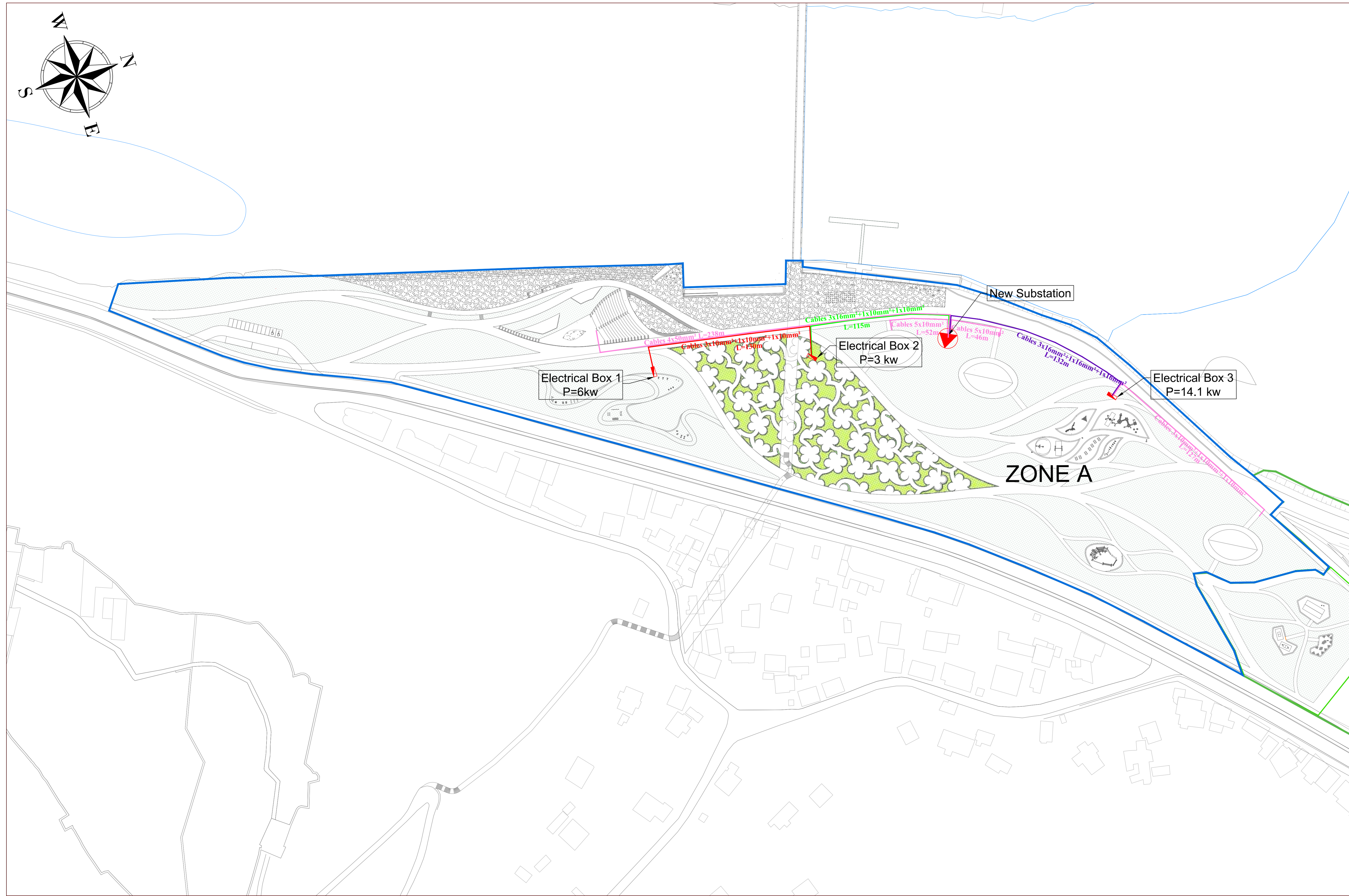
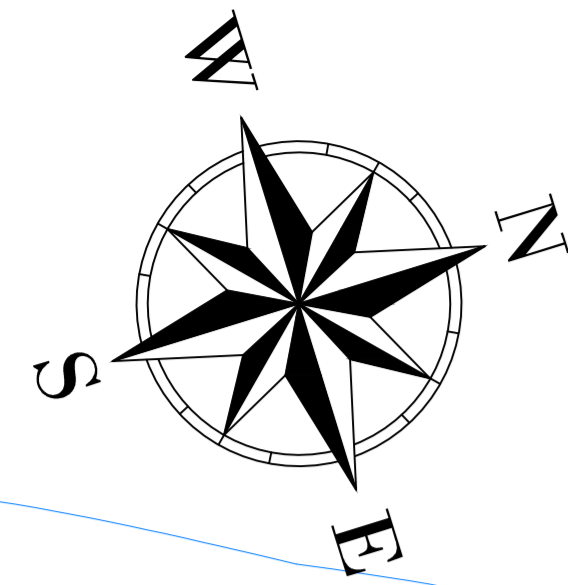
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DD-E-01 General Layout Plan of Proposed Low Voltage Lines / Wetland Park

Drawing number	Description		
Detail Design	1067 x 594 mm.	1:1250	30-09-2022
Phase	Format	Scale	Date
Master Plan of Interventions at the Entrance of Shkodra			
Project number	Project name		

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- Zone A
- Zone B
- EXISTING SUBSTATION
- PROPOSED SUBSTATION
- PROPOSED ELECTRICAL BOX
- ELECTRIC VEHICLE EV CHARGING
- PROPOSED LOW VOLTAGE LINE BOX 1
- PROPOSED LOW VOLTAGE LINE BOX 2
- PROPOSED LOW VOLTAGE LINE BOX 3
- PROPOSED LOW VOLTAGE LINE BOX 4
- PROPOSED LOW VOLTAGE LINE BOX 5
- PROPOSED LOW VOLTAGE LINE BOX 6
- PROPOSED LOW VOLTAGE LINE BOX 7
- PROPOSED POWER SUPPLY (TREE PHASE)

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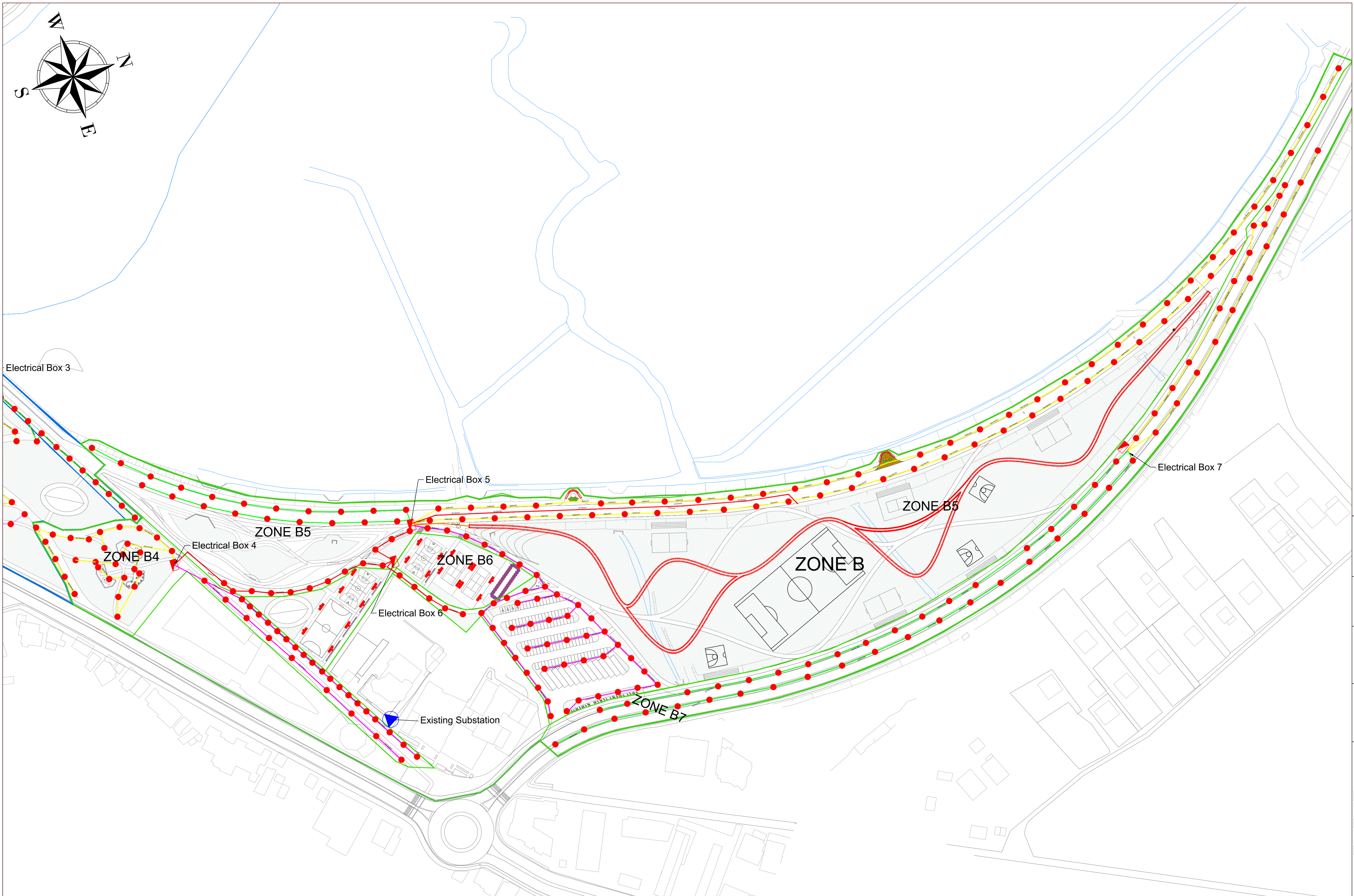
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DD-E-02 General Layout Plan of Proposed Low Voltage Lines / Recreational Park

Drawing number	Description		
Detail Design	1067 x 594 mm.	1:1000	30-09-2022
Phase	Format	Scale	Date

Master Plan of Interventions at the Entrance of Shkodra

Project number	Project name
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- L01\_CYLINDRICAL LIGHTING 5m
- L07\_SYMMETRICAL IN-GROUND LUMINAIRE
- L08\_ASYMMETRICAL IN-GROUND LUMINAIRE / WALLWASHER
- L09\_LANDSCAPE LAMPS- 18M
- L10\_FIXED LIGHTING TOWER 15M
- L11\_LED STRIP INTEGRATED INTO OUTDOOR STEPS
- L12\_RECESSED WALL LUMINAIRE
- L13\_LED STRIP INTEGRATED IN HANDRAILING
- L14\_LIGHT SPOTS\_ONE PER WATER COLUMN
- ▲ EXISTING SUBSTATION
- ▲ PROPOSED SUBSTATION
- PROPOSED ELECTRICAL BOX
- OUTPUT 1
- OUTPUT 2
- OUTPUT 3
- OUTPUT 4
- OUTPUT 5

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DD-E-03 General Layout Plan of Proposed Distribution Energy Box-Light / Wetland Park

Drawing number	Description	Format	Scale	Date
DD-E-03	General Layout Plan of Proposed Distribution Energy Box-Light / Wetland Park	1067 x 594 mm.	1:1250	30-09-2022

Phase: Master Plan of Interventions at the Entrance of Shkodra

Project number: [ ] Project name: [ ]

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