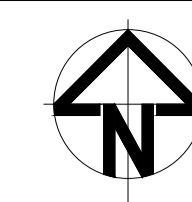
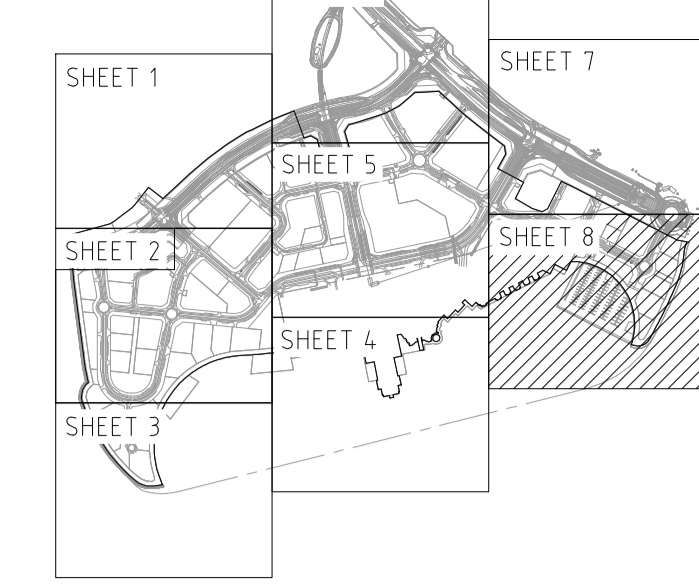


INFRASTRUCTURE PROJECT SAMPLES



SHEET INDEX



- LEGEND:**
- 32 CORE FO CABLES SHALL BE LAID THROUGH SEPARATE PVC CONDUIT IN PARALLEL TO THE POWER CABLES IN THE SAME TRENCH.
 - FO CABLE SPLICING FOR CONNECTION TO DMS SHALL BE DONE INSIDE PLOT SUBSTATIONS AND DISTRIBUTION SUBSTATIONS.
 - ADDITIONAL FO CABLE INSIDE MANHOLE/PIT SHALL BE COILED TO THE WALLS USING THE GI BRACKETS.
 - FINAL LOCATION OF CONNECTION BOXES SHALL BE UPDATED ON CONSTRUCTION DRAWING BASED ON END-USER REQUIREMENTS AND PLOT CONNECTION POINTS.
 - DUCT CROSSING REFER TO MV DRAWING YSD-P01-0205-EL-HIL-DG-000031 TO YSD-P01-0205-EL-HIL-DG-000037
 - THE DIMENSION OF PULLING PIT/CONNECTION BOX SHALL BE 1000x1000x1000mm INSIDE. FOR FO CABLE ARRANGEMENT INSIDE THE MANHOLE REFER TO DWG-YSD-P01-0205-EL-HIL-DG-000047

REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HYD-DG-000410 (Rev-01)

00	SUBMISSION FOR APPROVAL	13-08-'17
Issue	Description	Date

Status

SHOP DRAWING

Scales	Scale (A1)	Current Issue Signatures	
	Scale (A3)	Author	
Original Size		Checker	
Datum	WGS84	Approver	
Grid	UTM 40N	© Copyright reserved	

File Name : AD-540-SEW-NETWORK_R4_R9.DWG

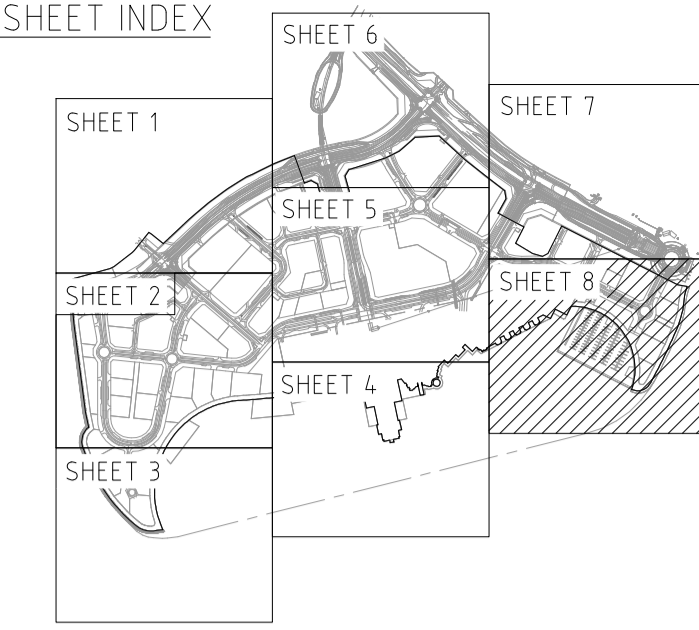
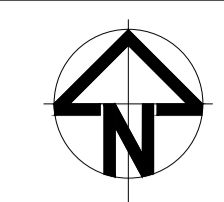
Project

Title

**SEW NETWORK LAYOUT PLAN
SHEET-08**

Drawn By: <i>RS</i>	Prepared By: <i>CP</i>	Checked By: <i>Parddeep</i>
Approved By: <i>APZ</i>	Date: 13-08-2017	
Drawing No.	YSD-P01-0105-EL-HIL-DG-000046	Rev
		00

FOR CONTINUATION SEE DRAWING SHEET -05



- LEGEND:**
- 32 CORE FO CABLES SHALL BE LAID THROUGH SEPARATE PVC CONDUIT IN PARALLEL TO THE POWER CABLES (IN THE SAME TRENCH).
 - FO CABLE SPLICING FOR CONNECTION TO DMS SHALL BE DONE INSIDE PLOT SUBSTATIONS AND DISTRIBUTION SUBSTATIONS.
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 - DUCT CROSSING REFER TO MV DRAWING YSD-P01-0205-EL-HIL-DG-000031 TO YSD-P01-0205-EL-HIL-DG-000037
 - THE DIMENSION OF PULLING PIT/CONNECTION BOX SHALL BE 1000x1000x1000mm INSIDE. FOR FO CABLE ARRANGEMENT INSIDE THE MANHOLE REFER TO DWG-YSD-P01-0205-EL-HIL-DG-000047

REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HYD-DG-000410 (Rev-01)

00	SUBMISSION FOR APPROVAL	13-08-17
Issue	Description	Date

Status: **SHOP DRAWING**

Project: |

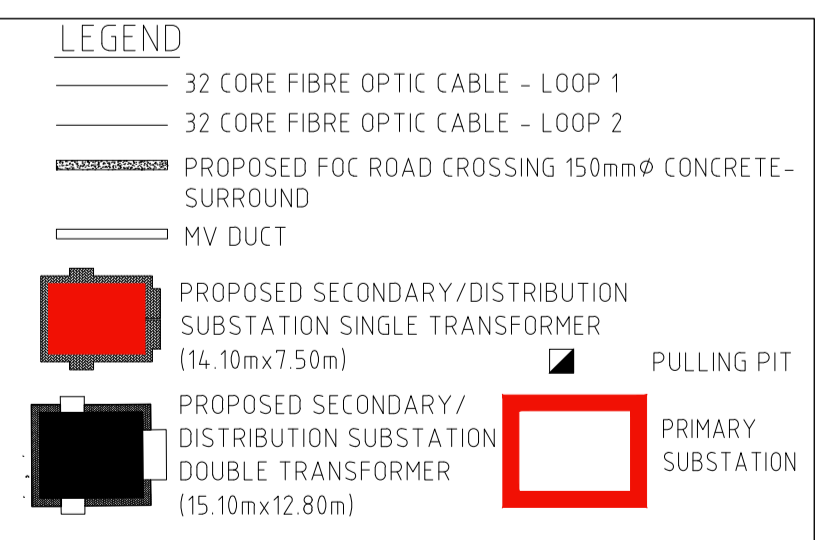
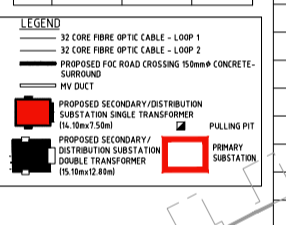
Title: **FOC NETWORK LAYOUT PLAN SHEET-08**

Drawn By: <i>RS</i>	Prepared By: <i>CP</i>	Checked By: <i>Pardiep</i>
Approved By: <i>APZ</i>	Date: 13-08-2017	
Drawing No. YSD-P01-0105-EL-HIL-DG-000046		Rev 00

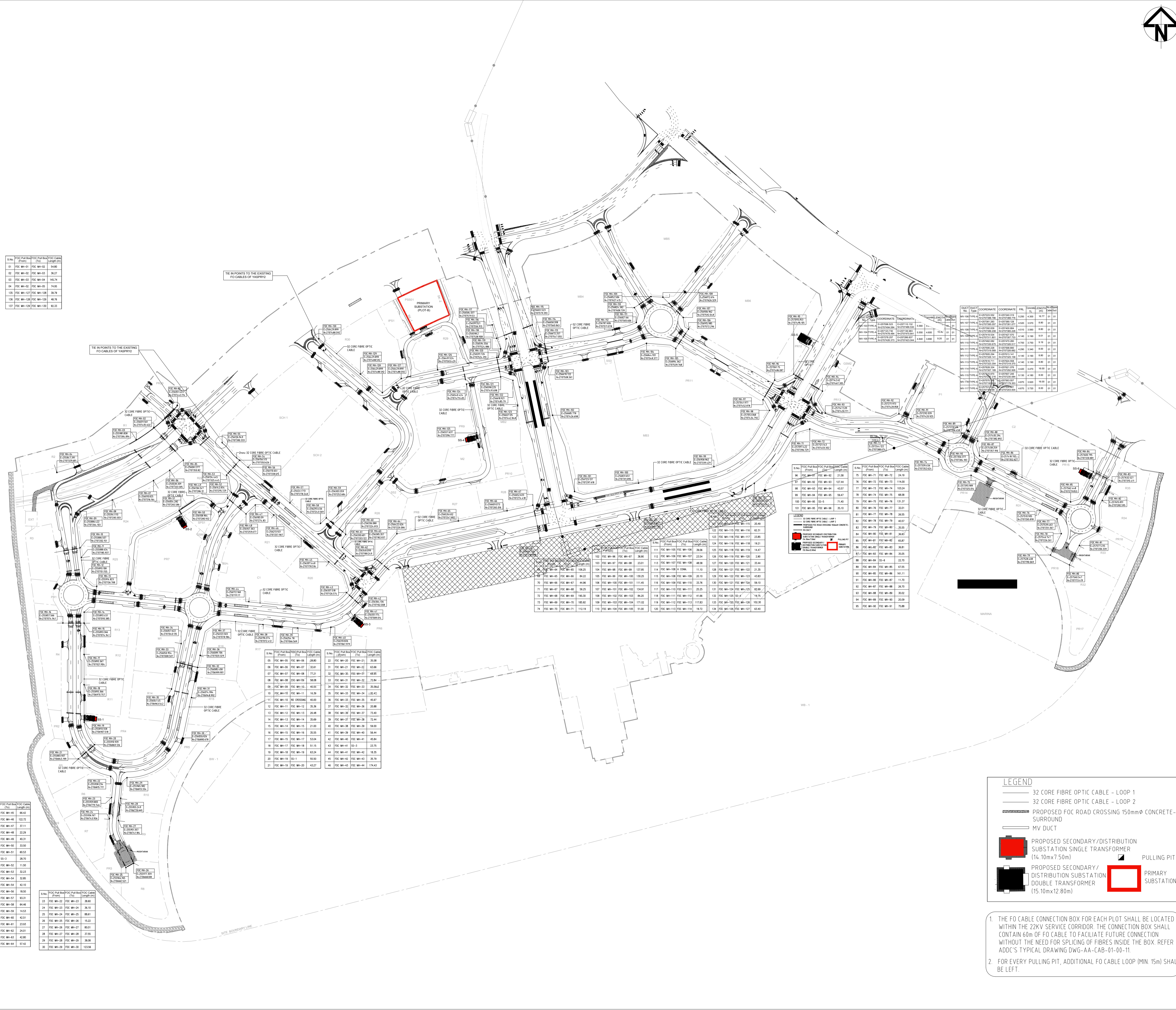
S.No	FOC Pwr Bus	FOC Pwr Bus	FOC Cable Length (m)
01	FOC M1-01	FOC M1-02	54.88
02	FOC M1-02	FOC M1-03	36.27
03	FOC M1-03	FOC M1-04	165.74
04	FOC M1-04	FOC M1-05	74.85
13	FOC M1-127	FOC M1-128	38.79
136	FOC M1-128	FOC M1-129	48.79
137	FOC M1-129	FOC M1-130	92.93

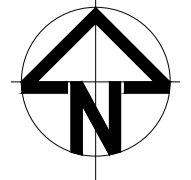
S.No	FOC Pwr Bus	FOC Pwr Bus	FOC Cable Length (m)
47	FOC M1-43	FOC M1-45	88.42
48	FOC M1-45	FOC M1-46	122.72
49	FOC M1-46	FOC M1-47	37.11
50	FOC M1-47	FOC M1-48	22.59
51	FOC M1-48	FOC M1-49	42.51
52	FOC M1-49	FOC M1-50	33.50
53	FOC M1-50	FOC M1-51	80.53
54	FOC M1-51	SS-3	28.70
55	FOC M1-50	FOC M1-52	11.50
56	FOC M1-52	FOC M1-53	32.27
57	FOC M1-53	FOC M1-54	32.86
58	FOC M1-54	FOC M1-54	43.10
59	FOC M1-54	FOC M1-56	18.50
60	FOC M1-56	FOC M1-57	83.21
61	FOC M1-57	FOC M1-58	84.06
62	FOC M1-58	FOC M1-59	143.51
63	FOC M1-59	FOC M1-60	42.51
64	FOC M1-60	FOC M1-61	23.85
65	FOC M1-61	FOC M1-62	24.01
66	FOC M1-62	FOC M1-63	42.80
67	FOC M1-63	FOC M1-64	37.42
68	FOC M1-64	FOC M1-65	122.56

S.No	FOC Pwr Bus	FOC Pwr Bus	FOC Cable Length (m)
81	FOC M1-05	FOC M1-06	28.80
82	FOC M1-06	FOC M1-07	63.66
83	FOC M1-07	FOC M1-08	77.27
84	FOC M1-08	FOC M1-09	24.88
85	FOC M1-09	FOC M1-10	45.92
86	FOC M1-10	FOC M1-11	16.28
87	FOC M1-11	FOC M1-12	45.87
88	FOC M1-12	FOC M1-13	26.36
89	FOC M1-13	FOC M1-14	35.89
90	FOC M1-14	FOC M1-15	72.44
91	FOC M1-15	FOC M1-16	39.90
92	FOC M1-16	FOC M1-17	28.55
93	FOC M1-17	FOC M1-18	54.84
94	FOC M1-18	FOC M1-19	45.84
95	FOC M1-19	FOC M1-20	33.75
96	FOC M1-20	FOC M1-21	16.80
97	FOC M1-21	FOC M1-22	36.79
98	FOC M1-22	FOC M1-23	174.43



- THE FO CABLE CONNECTION BOX FOR EACH PLOT SHALL BE LOCATED WITHIN THE 22KV SERVICE CORRIDOR. THE CONNECTION BOX SHALL CONTAIN 60m OF FO CABLE TO FACILITATE FUTURE CONNECTION WITHOUT THE NEED FOR SPLICING OF FIBRES INSIDE THE BOX. REFER ADD'S TYPICAL DRAWING DWG-AA-CAB-01-00-11.
- FOR EVERY PULLING PIT, ADDITIONAL FO CABLE LOOP (MIN. 15m) SHALL BE LEFT.





DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00



DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

DUCT No.	TYPE	COORDINATE	COORDINATE	FILE	LENGTH	DATE
PR1-1	CP	E-200000.00	E-200000.00	0.00	0.00	0.00
PR1-2	CP	E-200000.00	E-200000.00	0.00	0.00	0.00

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REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HIL-DG-000041 (Rev-01)

00	SUBMISSION FOR APPROVAL	13-08-'17
Issue	Description	Date
SHOP DRAWING		
Scales	Scale (A1) Scale (A3)	Current Issue Signatures
Original Size		Author
Datum	WGS84	Checker
Grid	UTM 40N	Approver
File Name	IRR REV-4.DWG	
© Copyright reserved		

Project		
Title		
IRR NETWORK LAYOUT PLAN SHEET-08		
Drawn By: <i>RS</i>	Prepared By: <i>CP</i>	Checked By: <i>Pardeep</i>
Approved By: <i>APZ</i>	Date: 13-08-2017	Rev
Drawing No.	YSD-P01-0105-EL-HIL-DG-000046	
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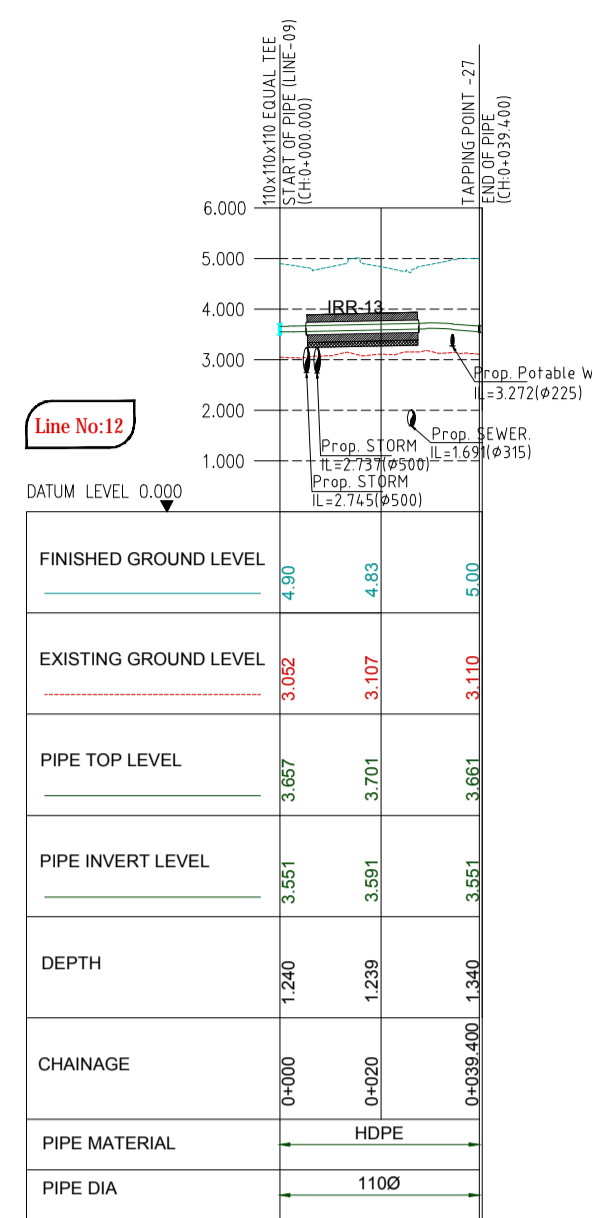
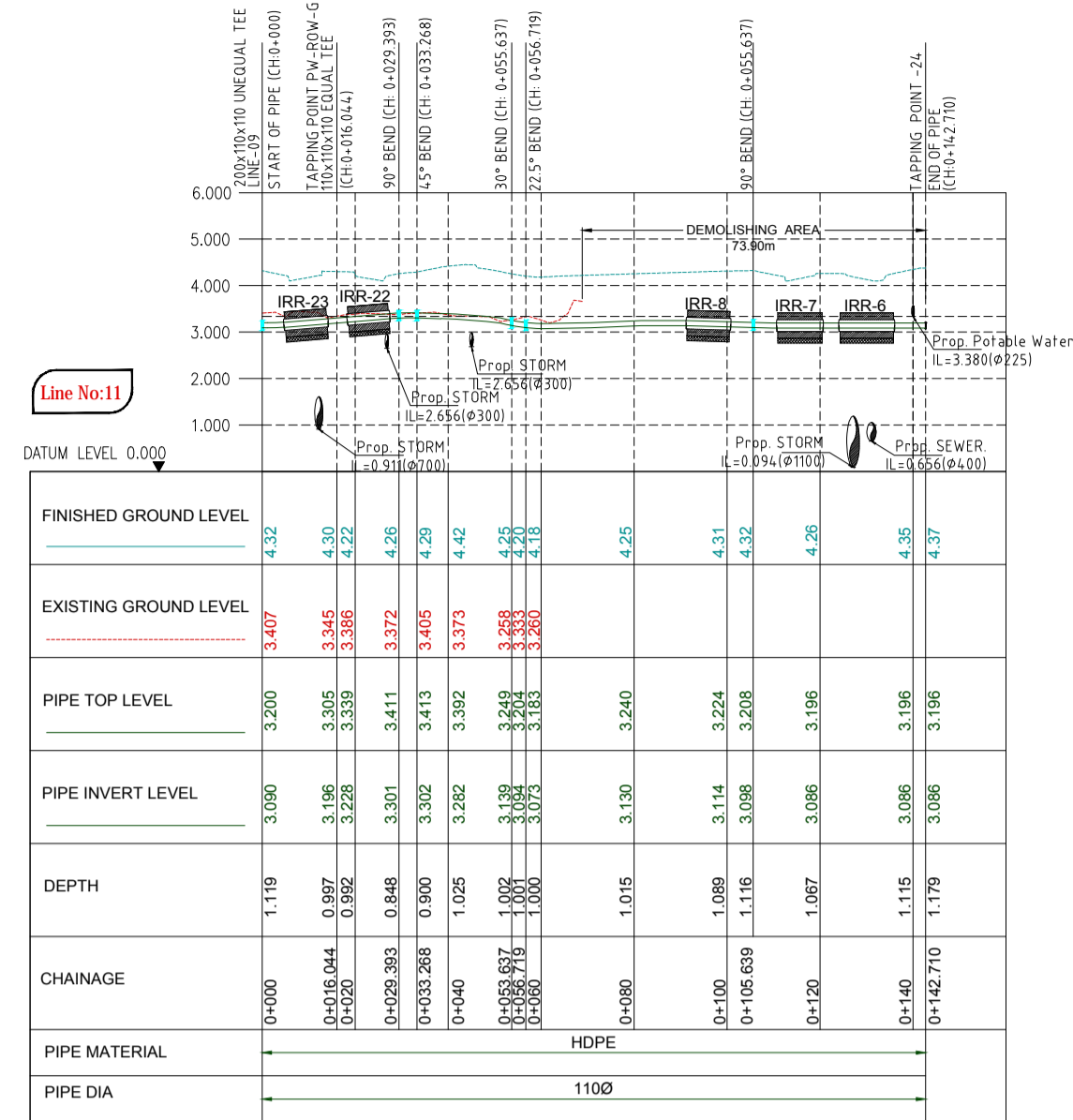
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KEY PLAN



100mm on Original



NOTE:-
 FOR IRRIGATION LAYOUT REFER
 DRAWING NO:-
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 YSD-P01-0205-IR-HIL-DG-000002
 YSD-P01-0205-IR-HIL-DG-000003
 YSD-P01-0205-IR-HIL-DG-000004
 YSD-P01-0205-IR-HIL-DG-000008
 YSD-P01-0205-IR-HIL-DG-000009

01	REVISED DUE TO REDUCTION IN KERBSTONE HEIGHT	13-09-2017
01	COMMENTS INCORPORATED	06-07-2017
00	FOR APPROVAL	03-06-2017

Issue	Description	Date
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Status

SHOP DRAWING

Scales	Scale (A1) Scale (A3)	Current Issue Signatures	
		Author	Checker
Original Size			
Datum	WGS84	Approver	
Grid	UTM 40N	© Copyright reserved	

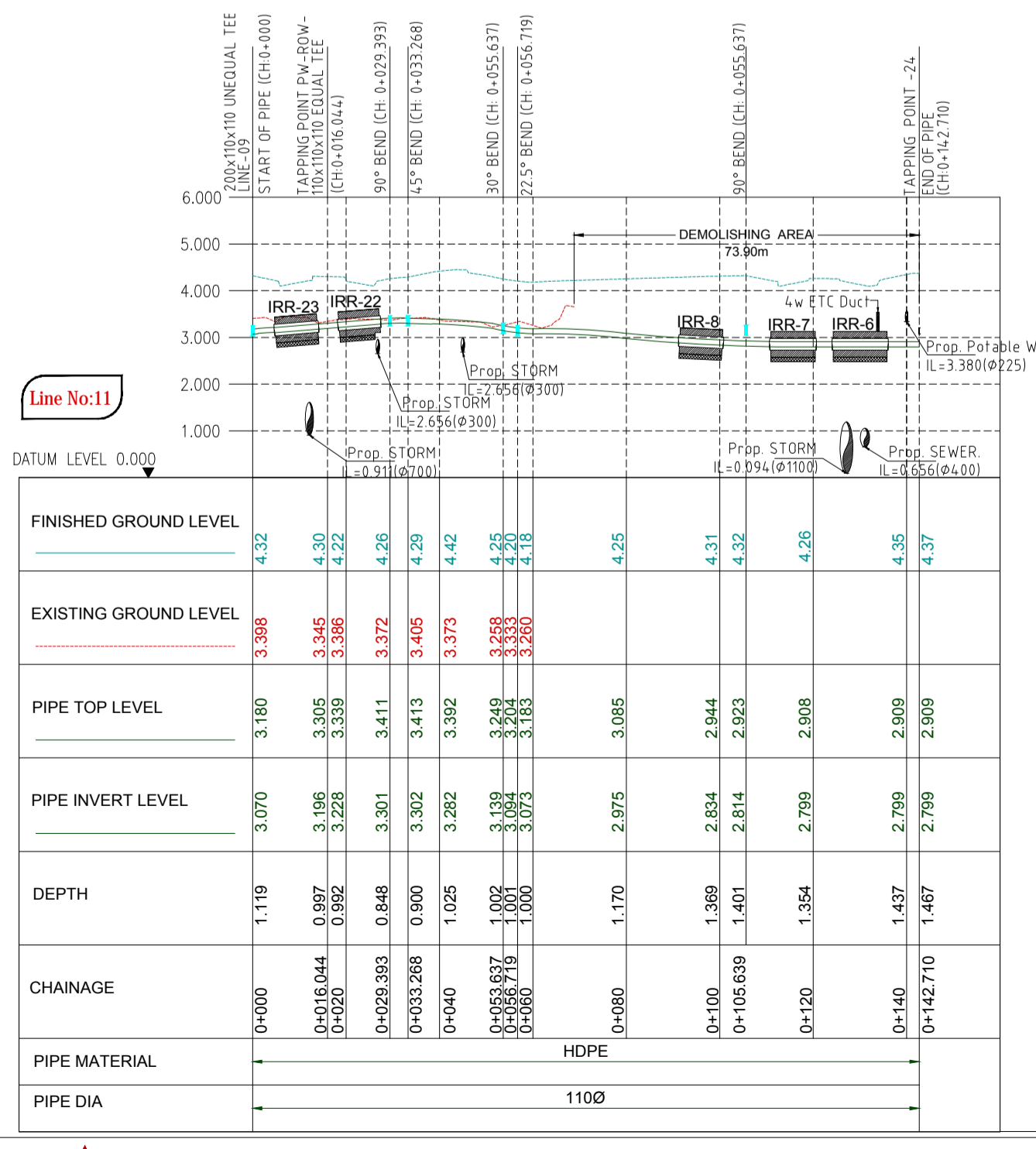
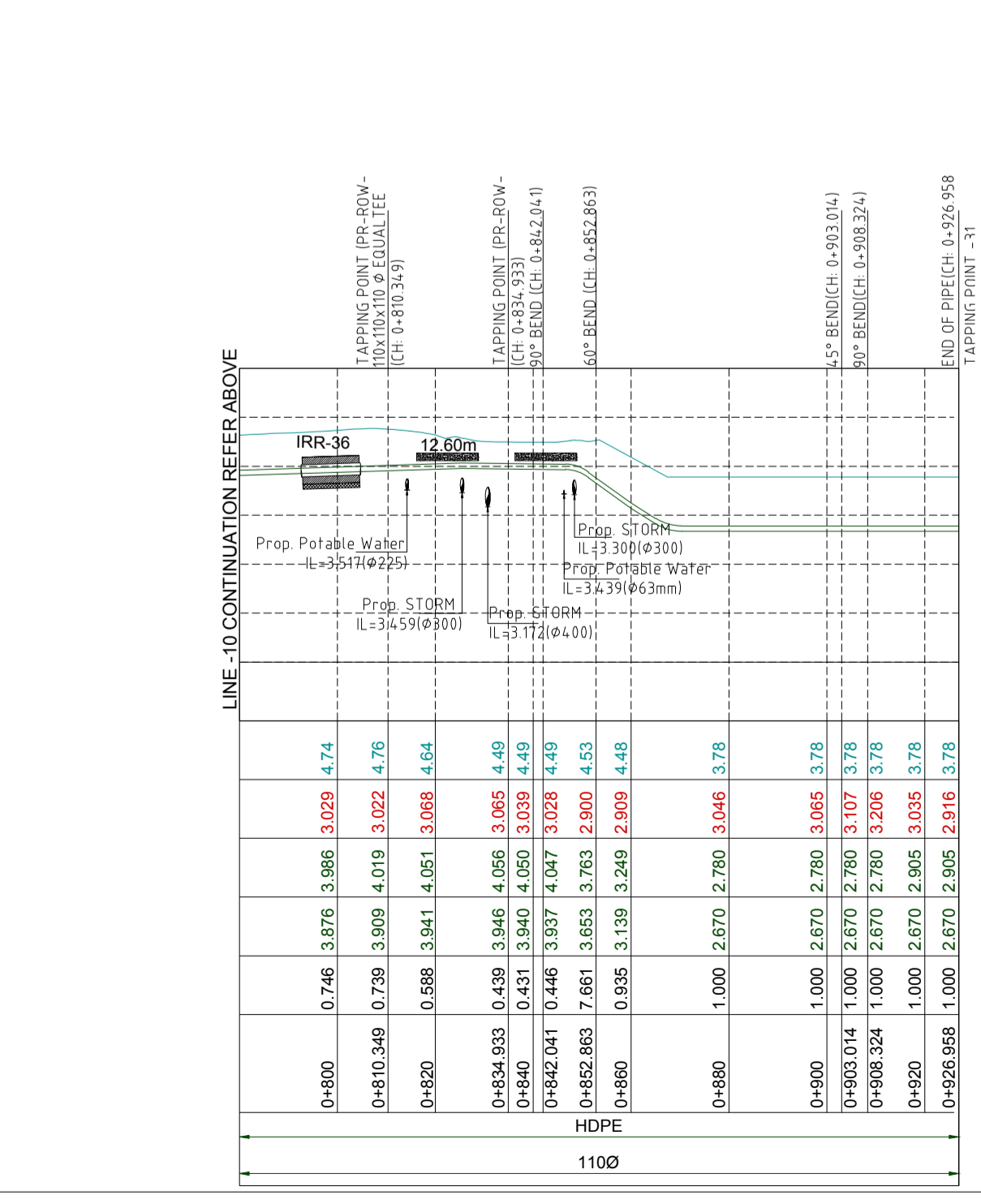
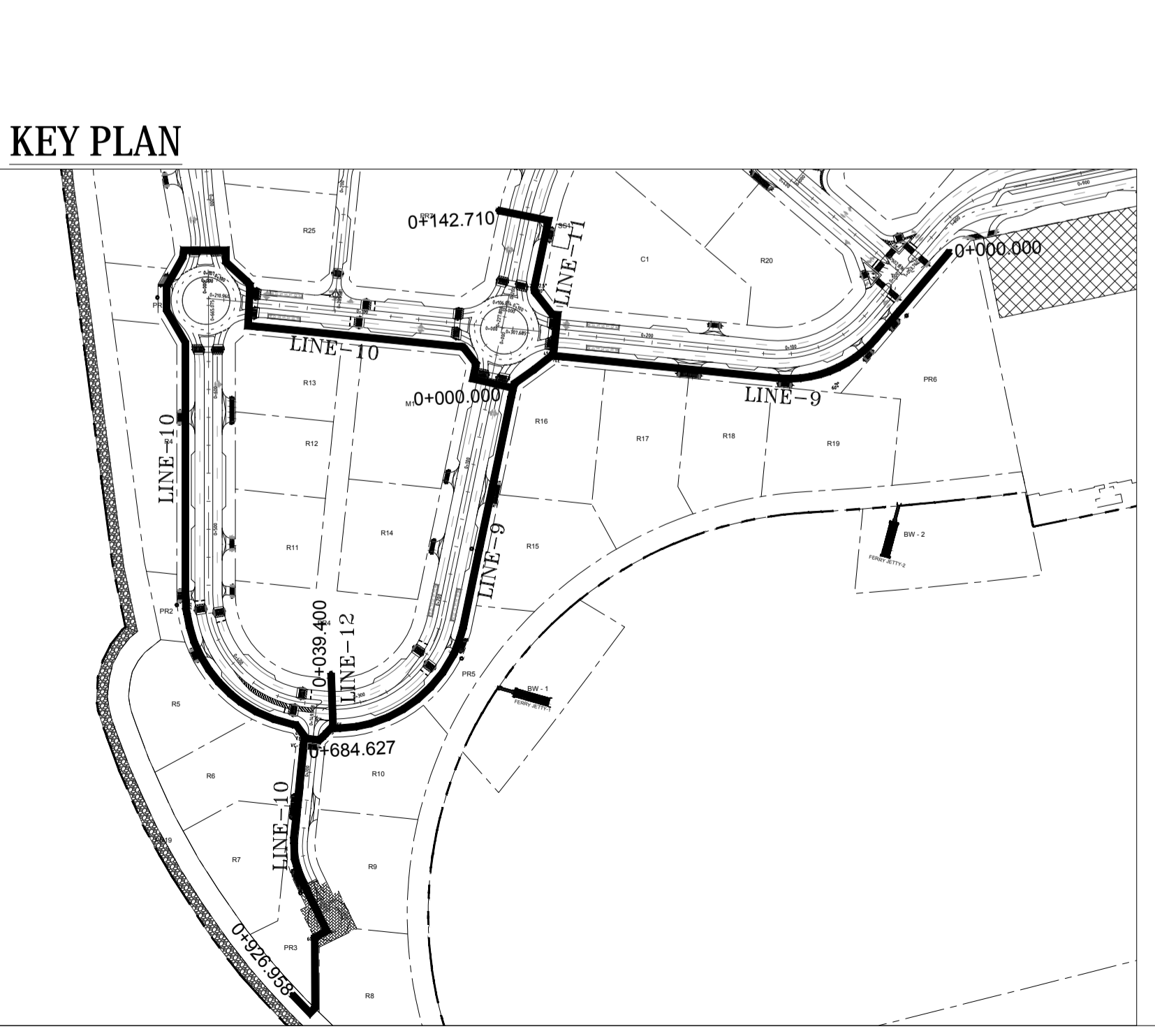
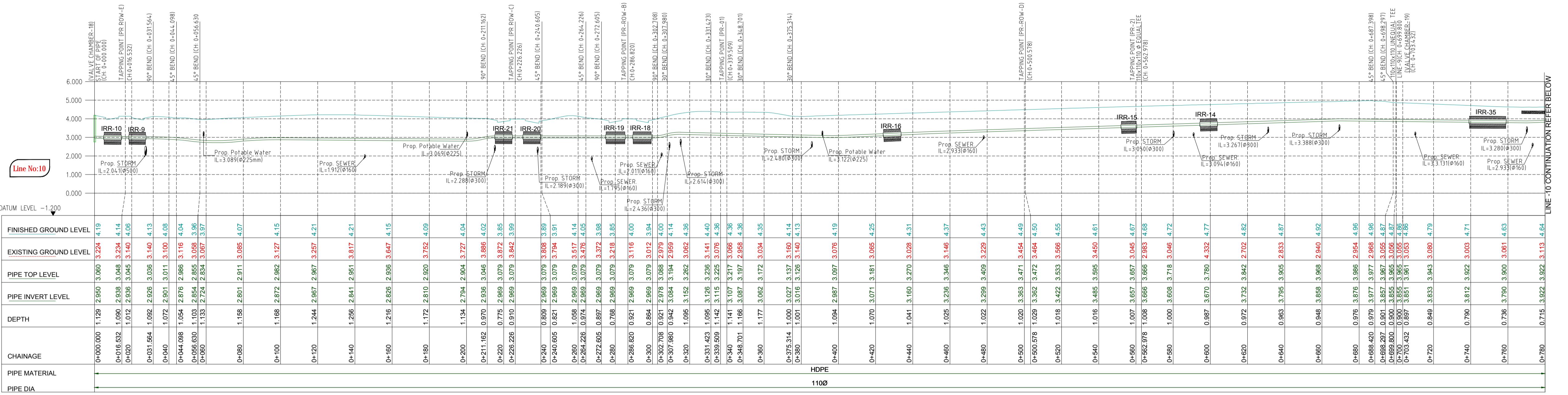
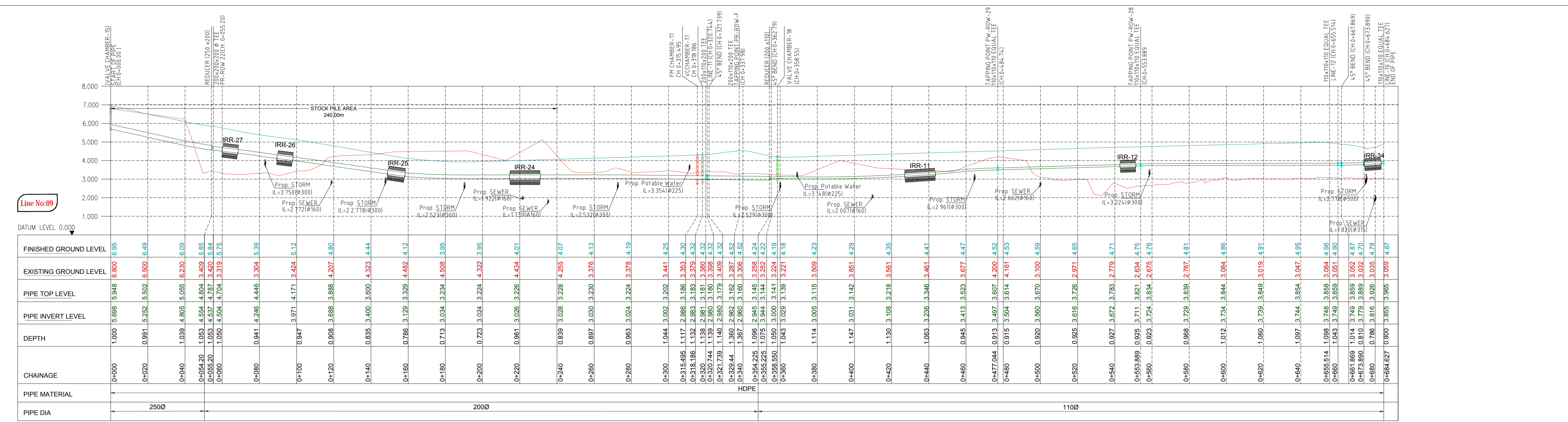
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Title
**LONGITUDINAL PROFILE FOR
 IRRIGATION PIPE LINE NO:
 11&12
 AREA 04**

Drawn By: JC Prepared By: CP Checked By: D.LS

Approved By: ATZ Date: 03-06-2017

Drawing No. YSD-P01-0205-IR-HIL-DG-000010 Rev 02

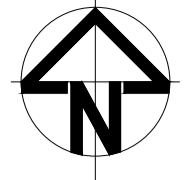
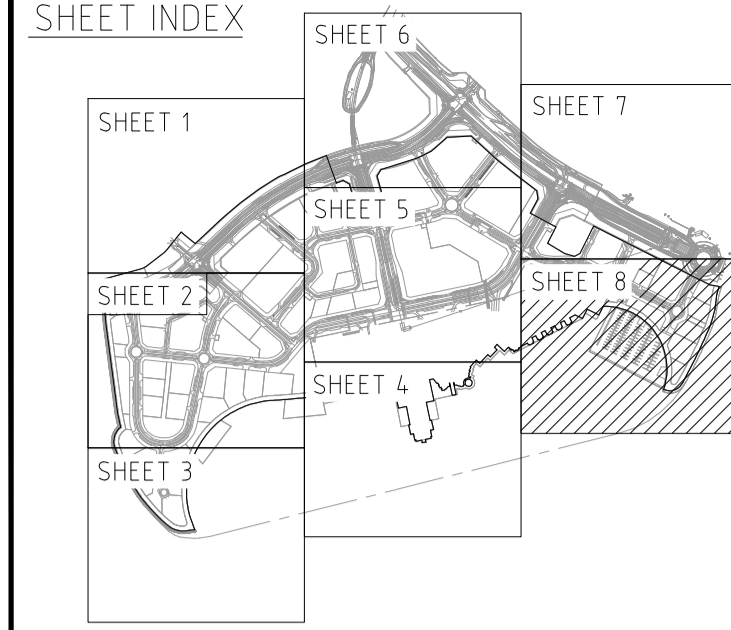


NOTE:-
 FOR IRRIGATION LAYOUT REFER
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 YSD-P01-0205-IR-HIL-DG-00002
 YSD-P01-0205-IR-HIL-DG-00003
 YSD-P01-0205-IR-HIL-DG-00004
 YSD-P01-0205-IR-HIL-DG-00008
 YSD-P01-0205-IR-HIL-DG-00009

03	REVISED AS PER CONSULTANT COMMENTS	18-11-2017
02	REVISED AS PER REDUCTION OF KERB HEIGHT & REVISED IFC DRAWING	02-11-2017
01	COMMENTS INCORPORATED	06-07-2017
00	FOR APPROVAL	03-06-2017

Issue	Description	Date
SHOP DRAWING		
Author	Current Issue Signatures	
Checker		
Approver		
Scale	Scale (A1) Scale (A3)	
Original Size		
Datum	WGS84	
Grid	UTM 40N	
File Name	PROFILE AREA-4.DWG	

Project	LONGITUDINAL PROFILE FOR IRRIGATION PIPE LINE NO:9,10,11&12 AREA 04	
Drawn By	Prepared By	Checked By
Approved By	Date	03-06-2017
Drawing No.	YSD-P01-0205-IR-HIL-DG-000010	
Rev	03	

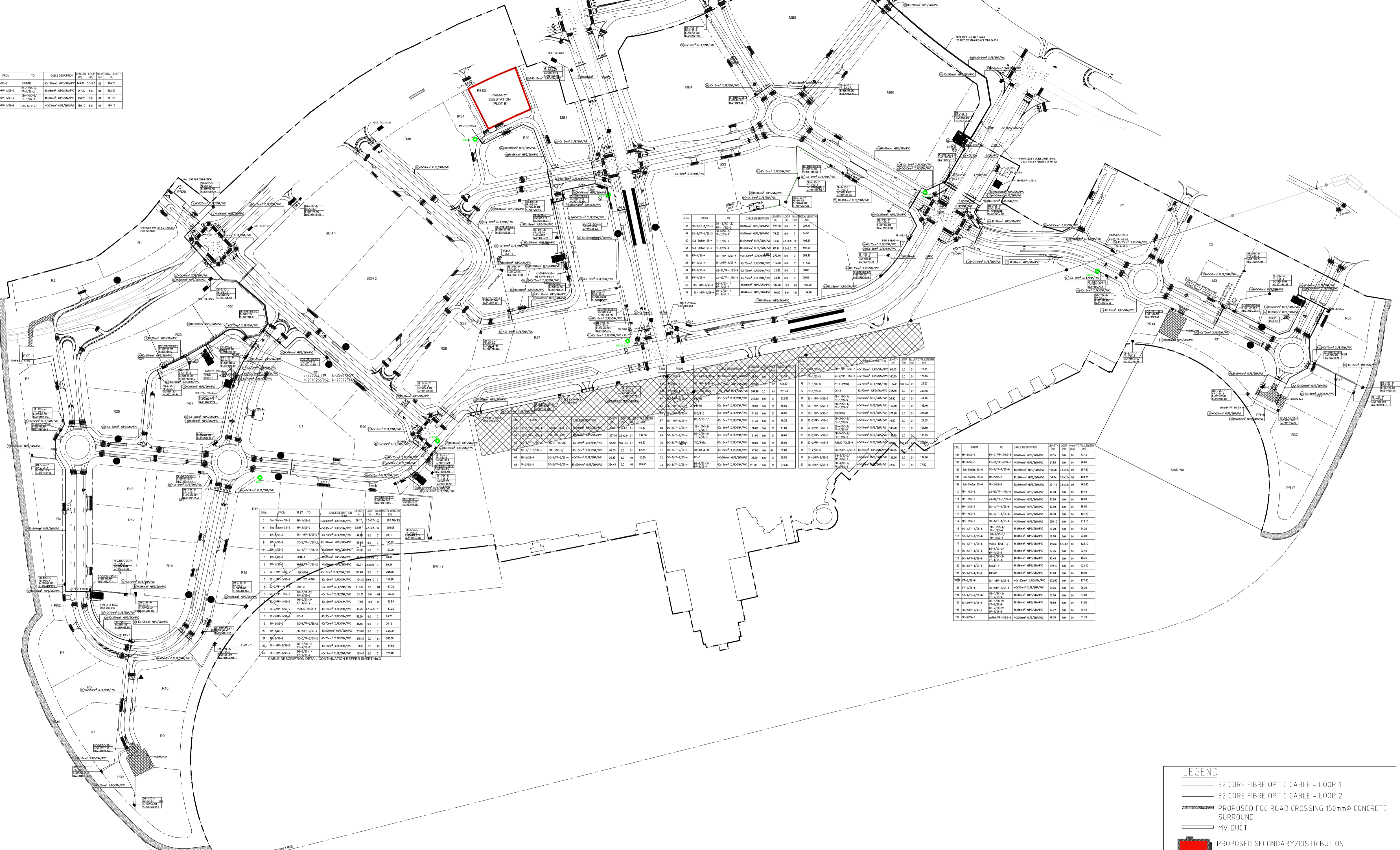


FOR CONTINUATION SEE DRAWING SHEET -05

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
1	PP-001	PP-002	32 CORE FIBRE OPTIC CABLE - LOOP 1	150	100	1
2	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
3	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
4	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
81	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
82	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
83	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
84	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
85	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1



SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

SLN	FROM	TO	CABLE DESCRIPTION	DEPTH (mm)	SPACING (mm)	NO. OF CABLES
46	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
47	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
48	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
49	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1
50	SC-LP-001-1	SC-LP-001-2	32 CORE FIBRE OPTIC CABLE - LOOP 2	150	100	1

LEGEND

- 32 CORE FIBRE OPTIC CABLE - LOOP 1
- 32 CORE FIBRE OPTIC CABLE - LOOP 2
- PROPOSED FOC ROAD CROSSING 150mm Ø CONCRETE-SURROUND
- MV DUCT
- PROPOSED SECONDARY/DISTRIBUTION SUBSTATION SINGLE TRANSFORMER (14.10m x 7.50m)
- PULLING PIT
- PROPOSED SECONDARY/DISTRIBUTION SUBSTATION DOUBLE TRANSFORMER (15.10m x 12.80m)
- PRIMARY SUBSTATION

1. THE FOC CABLE CONNECTION BOX FOR EACH PLOT SHALL BE LOCATED WITHIN THE 22KV SERVICE CORRIDOR. THE CONNECTION BOX SHALL CONTAIN 60m OF FOC CABLE TO FACILITATE FUTURE CONNECTION WITHOUT THE NEED FOR SPLICING OF FIBRES INSIDE THE BOX. REFER ADDC'S TYPICAL DRAWING DWG-AA-CAB-01-00-11.

2. FOR EVERY PULLING PIT, ADDITIONAL FOC CABLE LOOP (MIN. 15m) SHALL BE LEFT.

- LEGEND:**
- 32 CORE FOC CABLES SHALL BE LAID THROUGH SEPARATE PVC CONDUIT IN PARALLEL TO THE POWER CABLES IN THE SAME TRENCH.
 - FO CABLE SPLICING FOR CONNECTION TO DMS SHALL BE DONE INSIDE PLOT SUBSTATIONS AND DISTRIBUTION SUBSTATIONS.
 - ADDITIONAL FOC CABLE INSIDE MANHOLE/PIT SHALL BE COILED TO THE WALLS USING THE GI BRACKETS.
 - FINAL LOCATION OF CONNECTION BOXES SHALL BE UPDATED ON CONSTRUCTION DRAWING BASED ON END-USER REQUIREMENTS AND PLOT CONNECTION POINTS.
 - DUCT CROSSING REFER TO MV DRAWING YSD-P01-0205-EL-HIL-DG-000031 TO YSD-P01-0205-EL-HIL-DG-000037
 - THE DIMENSION OF PULLING PIT/CONNECTION BOX SHALL BE 1000x1000x1000mm INSIDE. FOR FOC CABLE ARRANGEMENT INSIDE THE MANHOLE REFER TO DWG-YSD-P01-0205-EL-HIL-DG-000047

REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HIL-DG-000041 (Rev-01)

Issue	Description	Date
00	SUBMISSION FOR APPROVAL	13-08-17

SHOP DRAWING

Scales: Scale (A1), Scale (A3), Current Issue Signatures

Original Size: WGS84, Checker, Approver

Grid: UTM 40N, Copyright reserved

File Name: LV_LAYOUT.DWG

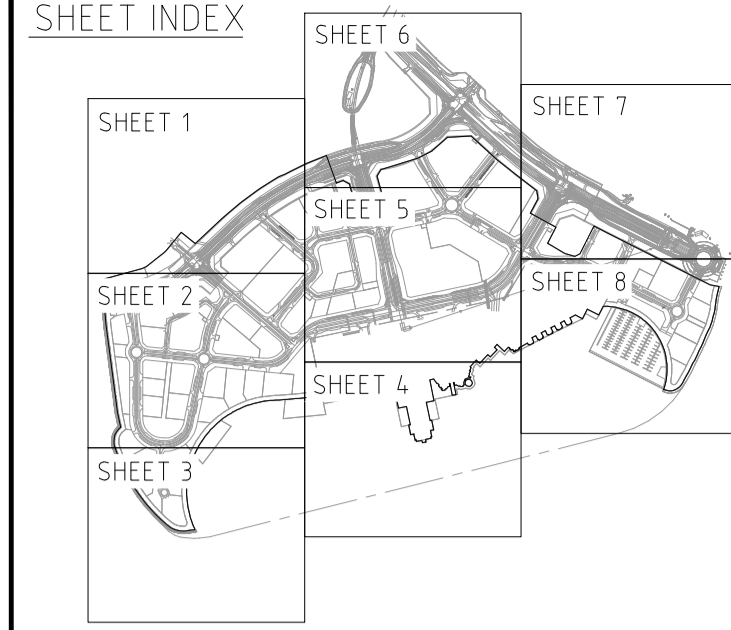
Project: LV NETWORK LAYOUT PLAN SHEET-08

Title: LV NETWORK LAYOUT PLAN SHEET-08

Drawn By: RS, Prepared By: CP, Checked By: Pardeep

Approved By: APZ, Date: 13-08-2017

Drawing No. YSD-P01-0105-EL-HIL-DG-000046, Rev 00



- LEGEND:**
- 32 CORE FIBRE OPTIC CABLES SHALL BE LAID THROUGH SEPARATE PVC CONDUIT IN PARALLEL TO THE POWER CABLES (IN THE SAME TRENCH).
 - FO CABLE SPLICING FOR CONNECTION TO DMS SHALL BE DONE INSIDE PLOT SUBSTATIONS AND DISTRIBUTION SUBSTATIONS.
 - ADDITIONAL FO CABLE INSIDE MANHOLE/PIT SHALL BE COILED TO THE WALLS USING THE GI BRACKETS.
 - FINAL LOCATION OF CONNECTION BOXES SHALL BE UPDATED ON CONSTRUCTION DRAWING BASED ON END-USER REQUIREMENTS AND PLOT CONNECTION POINTS.
 - DUCT CROSSING REFER TO MV DRAWING YSD-P01-0205-EL-HIL-DG-000031 TO YSD-P01-0205-EL-HIL-DG-000037
 - THE DIMENSION OF PULLING PIT/CONNECTION BOX SHALL BE 1000x1000x1000mm INSIDE. FOR FO CABLE ARRANGEMENT INSIDE THE MANHOLE REFER TO DWG-YSD-P01-0205-EL-HIL-DG-000047

REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HYD-DG-000410 (Rev-01)

00	SUBMISSION FOR APPROVAL	13-08-17
Issue	Description	Date

Status

SHOP DRAWING

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	Scale (A3)	
Original Size		Author
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Datum	WGS84	Approver
Grid	UTM 40N	© Copyright reserved

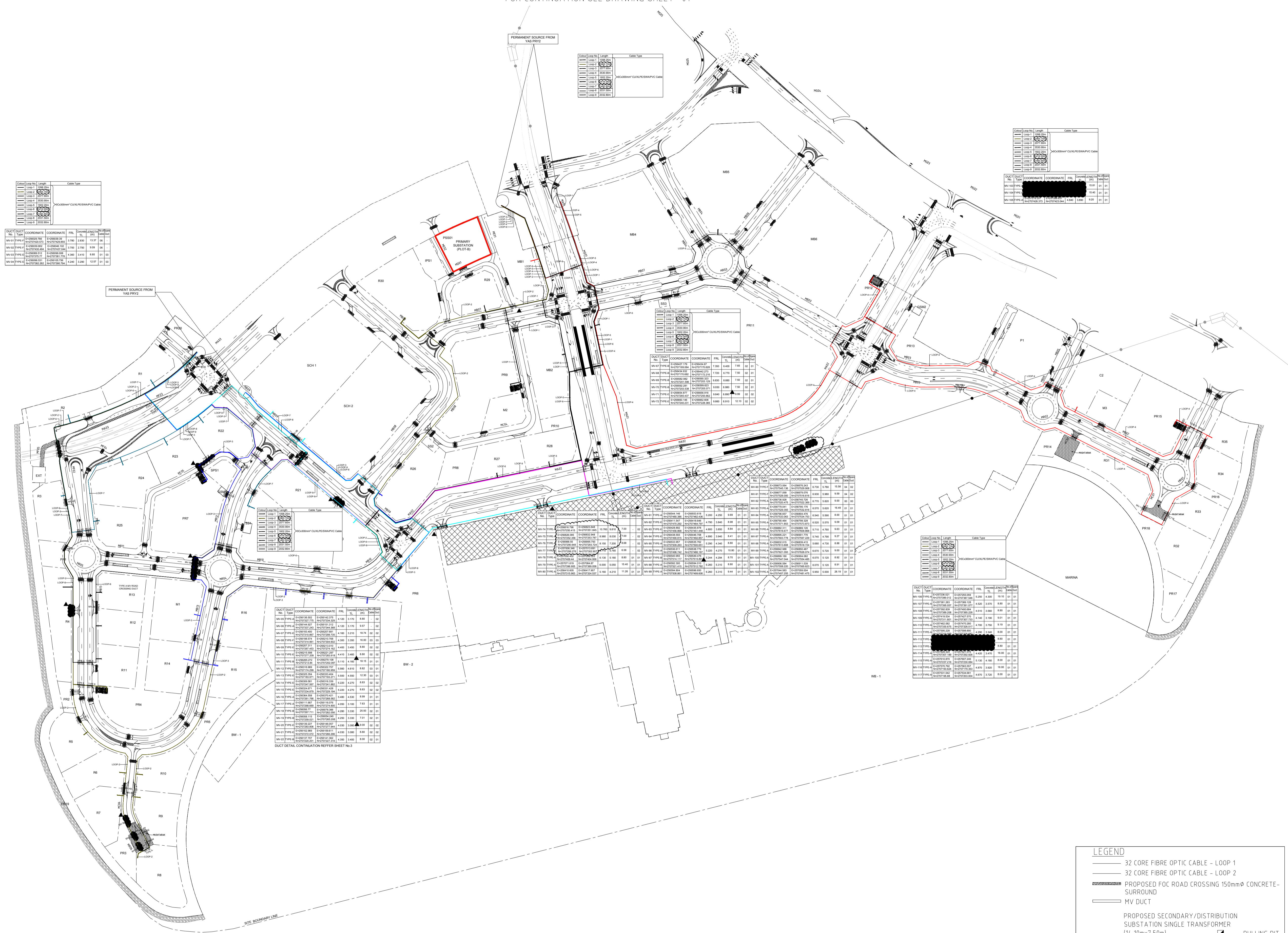
File Name MV_LAYOUT.DWG

Project

**MV NETWORK LAYOUT PLAN
SHEET-08**

Drawn By: <i>RS</i>	Prepared By: <i>CP</i>	Checked By: <i>Pardeep</i>
Approved By: <i>APZ</i>	Date: 13-08-2017	
Drawing No. YSD-P01-0105-EL-HIL-DG-000046	Rev 00	

FOR CONTINUATION SEE DRAWING SHEET -05



DUCT No.	DUCT Type	COORDINATE	COORDINATE	FILE	SHAPE	LENGTH	STATUS
M01	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M02	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M03	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M04	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M05	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01

DUCT DETAIL CONTINUATION REFER SHEET No.3

DUCT No.	DUCT Type	COORDINATE	COORDINATE	FILE	SHAPE	LENGTH	STATUS
M06	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M07	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M08	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M09	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M10	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01

DUCT No.	DUCT Type	COORDINATE	COORDINATE	FILE	SHAPE	LENGTH	STATUS
M11	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M12	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M13	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M14	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M15	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01

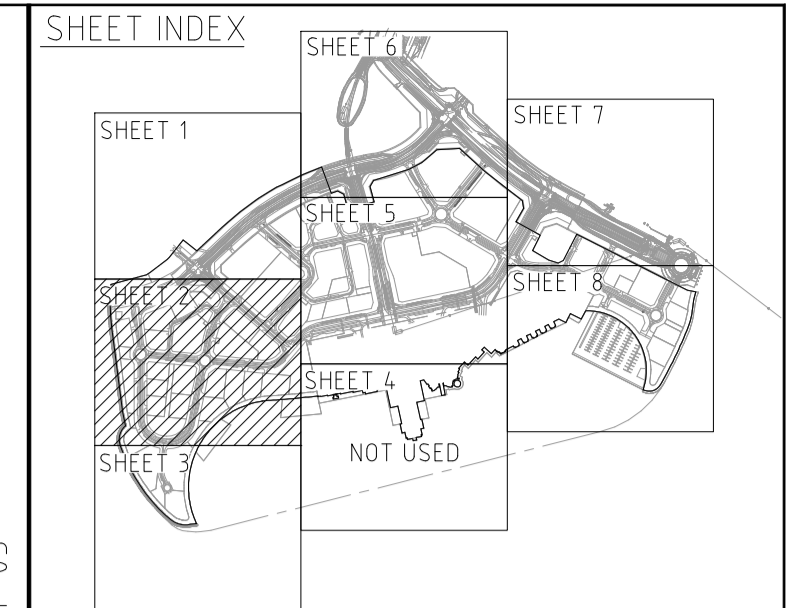
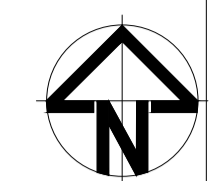
DUCT No.	DUCT Type	COORDINATE	COORDINATE	FILE	SHAPE	LENGTH	STATUS
M16	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M17	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M18	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M19	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M20	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01

DUCT No.	DUCT Type	COORDINATE	COORDINATE	FILE	SHAPE	LENGTH	STATUS
M21	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M22	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M23	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M24	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01
M25	TYPE 4	E-0205170	E-0205170	1.00	1.00	0.00	01

- LEGEND**
- 32 CORE FIBRE OPTIC CABLE - LOOP 1
 - 32 CORE FIBRE OPTIC CABLE - LOOP 2
 - PROPOSED FOC ROAD CROSSING 150mm Ø CONCRETE-SURROUND
 - MV DUCT
 - PROPOSED SECONDARY/DISTRIBUTION SUBSTATION SINGLE TRANSFORMER (14.10mx7.50m)
 - PULLING PIT
 - PROPOSED SECONDARY/DISTRIBUTION SUBSTATION DOUBLE TRANSFORMER (15.10mx12.80m)
 - PRIMARY SUBSTATION

- THE FO CABLE CONNECTION BOX FOR EACH PLOT SHALL BE LOCATED WITHIN THE 22KV SERVICE CORRIDOR. THE CONNECTION BOX SHALL CONTAIN 60m OF FO CABLE TO FACILITATE FUTURE CONNECTION WITHOUT THE NEED FOR SPLICING OF FIBRES INSIDE THE BOX. REFER ADD'S TYPICAL DRAWING DWG-AA-CAB-01-00-11
- FOR EVERY PULLING PIT, ADDITIONAL FO CABLE LOOP (MIN. 15m) SHALL BE LEFT.

FOR CONTINUATION SEE SHEET-01



- NOTES**
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED.
 2. ALL PIPES ARE TO BE HDPE PE100, PN16.
 3. THE DIAMETERS FOR PIPES SHOWN IN DRAWING ARE EXTERNAL ONLY.
 4. TAPPING POINT TO BE MADE FROM THE EXISTING POTABLE WATER NETWORK TO THE INDIVIDUAL PLOT LEVEL.
 5. PIPE LINE CROSSING THE ROADS SHALL PASS THROUGH THE DUCTS WHERE EVER NECESSARY.
 6. ALL HOUSE CONNECTIONS LOCATIONS AND SIZES ARE INDICATIVE ONLY. ADD-CSD APPROVAL PRIOR TO CONSTRUCTION.
 7. ALL LOCATIONS FOR APPURTENANCES & PUBLIC TOILET CONNECTIONS ARE INDICATIVE ONLY, AND MAY CHANGE DURING THE TIME OF EXECUTION.

REFERENCE DRAWING NUMBER:
YSD-P01-0205-WA-HYD-DG-000012 (Rev-01)

02	REVISED DUE TO REDUCTION IN KERBSTONE HEIGHT	09-09-17
01	Revised as per Consultant's Comments	17-05-17
00	SUBMISSION FOR APPROVAL	03-05-17
Issue	Description	Date

SHOP DRAWING

Scales	Scale (A1)	Current Issue Signatures	
	Scale (A3)	Author	
Original Size		Checker	
Datum	WGS84	Approver	
Grid	UTM 40N	© Copyright reserved	

File Name : PW.DWG

YAS SOUTH DEVELOPMENT
INFRASTRUCTURE AND PUBLIC REALM

PROPOSED POTABLE WATER LAYOUT PLAN SHEET-02

Drawn By:	PS	Prepared By:	CP	Checked By:	Farouk
Approved By:	APZ	Date:	03-05-2017		
Drawing No:	YSD-P01-0205-WA-HIL-DG-000003				Rev
					02



DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-01	300	400000.00	400000.00	1.00	1.00	1.00	
PW-02	300	400000.00	400000.00	1.00	1.00	1.00	
PW-03	300	400000.00	400000.00	1.00	1.00	1.00	
PW-04	300	400000.00	400000.00	1.00	1.00	1.00	
PW-05	300	400000.00	400000.00	1.00	1.00	1.00	
PW-06	300	400000.00	400000.00	1.00	1.00	1.00	
PW-07	300	400000.00	400000.00	1.00	1.00	1.00	
PW-08	300	400000.00	400000.00	1.00	1.00	1.00	
PW-09	300	400000.00	400000.00	1.00	1.00	1.00	
PW-10	300	400000.00	400000.00	1.00	1.00	1.00	

DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-11	300	400000.00	400000.00	1.00	1.00	1.00	
PW-12	300	400000.00	400000.00	1.00	1.00	1.00	
PW-13	300	400000.00	400000.00	1.00	1.00	1.00	
PW-14	300	400000.00	400000.00	1.00	1.00	1.00	
PW-15	300	400000.00	400000.00	1.00	1.00	1.00	
PW-16	300	400000.00	400000.00	1.00	1.00	1.00	
PW-17	300	400000.00	400000.00	1.00	1.00	1.00	
PW-18	300	400000.00	400000.00	1.00	1.00	1.00	
PW-19	300	400000.00	400000.00	1.00	1.00	1.00	
PW-20	300	400000.00	400000.00	1.00	1.00	1.00	

DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-21	300	400000.00	400000.00	1.00	1.00	1.00	
PW-22	300	400000.00	400000.00	1.00	1.00	1.00	
PW-23	300	400000.00	400000.00	1.00	1.00	1.00	
PW-24	300	400000.00	400000.00	1.00	1.00	1.00	
PW-25	300	400000.00	400000.00	1.00	1.00	1.00	
PW-26	300	400000.00	400000.00	1.00	1.00	1.00	
PW-27	300	400000.00	400000.00	1.00	1.00	1.00	
PW-28	300	400000.00	400000.00	1.00	1.00	1.00	
PW-29	300	400000.00	400000.00	1.00	1.00	1.00	
PW-30	300	400000.00	400000.00	1.00	1.00	1.00	

DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-31	300	400000.00	400000.00	1.00	1.00	1.00	
PW-32	300	400000.00	400000.00	1.00	1.00	1.00	
PW-33	300	400000.00	400000.00	1.00	1.00	1.00	
PW-34	300	400000.00	400000.00	1.00	1.00	1.00	
PW-35	300	400000.00	400000.00	1.00	1.00	1.00	
PW-36	300	400000.00	400000.00	1.00	1.00	1.00	
PW-37	300	400000.00	400000.00	1.00	1.00	1.00	
PW-38	300	400000.00	400000.00	1.00	1.00	1.00	
PW-39	300	400000.00	400000.00	1.00	1.00	1.00	
PW-40	300	400000.00	400000.00	1.00	1.00	1.00	

DUCT DETAILS SHEET'S CONTINUATION

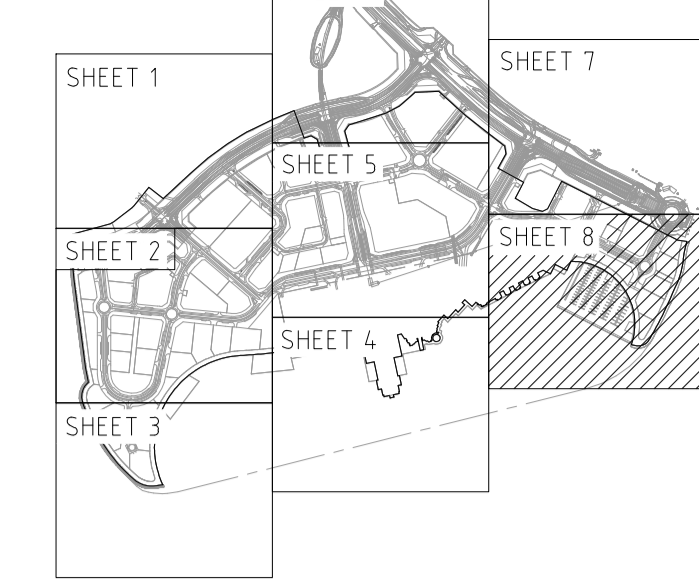
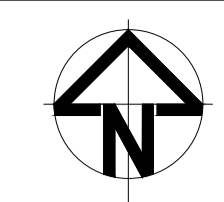
DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-41	300	400000.00	400000.00	1.00	1.00	1.00	
PW-42	300	400000.00	400000.00	1.00	1.00	1.00	
PW-43	300	400000.00	400000.00	1.00	1.00	1.00	
PW-44	300	400000.00	400000.00	1.00	1.00	1.00	
PW-45	300	400000.00	400000.00	1.00	1.00	1.00	
PW-46	300	400000.00	400000.00	1.00	1.00	1.00	
PW-47	300	400000.00	400000.00	1.00	1.00	1.00	
PW-48	300	400000.00	400000.00	1.00	1.00	1.00	
PW-49	300	400000.00	400000.00	1.00	1.00	1.00	
PW-50	300	400000.00	400000.00	1.00	1.00	1.00	

DUCT NO.	PIPE DIA.	COORDINATE	COORDINATE	DEPTH	INVERT	LENGTH	REMARKS
PW-51	300	400000.00	400000.00	1.00	1.00	1.00	
PW-52	300	400000.00	400000.00	1.00	1.00	1.00	
PW-53	300	400000.00	400000.00	1.00	1.00	1.00	
PW-54	300	400000.00	400000.00	1.00	1.00	1.00	
PW-55	300	400000.00	400000.00	1.00	1.00	1.00	
PW-56	300	400000.00	400000.00	1.00	1.00	1.00	
PW-57	300	400000.00	400000.00	1.00	1.00	1.00	
PW-58	300	400000.00	400000.00	1.00	1.00	1.00	
PW-59	300	400000.00	400000.00	1.00	1.00	1.00	
PW-60	300	400000.00	400000.00	1.00	1.00	1.00	

LEGEND

- PROJECT BOUNDARY
- LIMIT OF WORK
- EXISTING POTABLE WATER NETWORK
- PROPOSED 00 315mm HDPE
- PROPOSED 00 225mm HDPE
- PROVISIONAL CONNECTION TO PUBLIC TOILET
- POTABLE WATER PIPE CORRIDOR
- PIPE DIAMETER
- HDPE
- PIPE MATERIAL
- PROPOSED ROAD CROSSING DUCT
- WATER NETWORK TO BE REMOVED
- STOP VALVE CHAMBER
- PROPOSED ISOLATION VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED AIR RELEASE VALVE
- PROPOSED HOUSE CONNECTION
- FUTURE CONNECTION
- PROPOSED WASHOUT CHAMBER
- PROPOSED CONTROL VALVE CHAMBER
- FLOW METER CHAMBER
- PROPOSED DUCT MARKING
- TI IN POINT TO EXISTING
- DMP1 TAPPING POINT

FOR CONTINUATION SEE SHEET-03



FOR CONTINUATION SEE DRAWING SHEET -05

- LEGEND:**
- 32 CORE FO CABLES SHALL BE LAID THROUGH SEPARATE PVC CONDUIT IN PARALLEL TO THE POWER CABLES (IN THE SAME TRENCH).
 - FO CABLE SPLICING FOR CONNECTION TO DMS SHALL BE DONE INSIDE PLOT SUBSTATIONS AND DISTRIBUTION SUBSTATIONS.
 - ADDITIONAL FO CABLE INSIDE MANHOLE/PIT SHALL BE COILED TO THE WALLS USING THE GI BRACKETS.
 - FINAL LOCATION OF CONNECTION BOXES SHALL BE UPDATED ON CONSTRUCTION DRAWING BASED ON END-USER REQUIREMENTS AND PLOT CONNECTION POINTS.
 - DUCT CROSSING REFER TO MV DRAWING YSD-P01-0205-EL-HIL-DG-000031 TO YSD-P01-0205-EL-HIL-DG-000037
 - THE DIMENSION OF PULLING PIT/CONNECTION BOX SHALL BE 1000x1000x1000mm INSIDE. FOR FO CABLE ARRANGEMENT INSIDE THE MANHOLE REFER TO DWG-YSD-P01-0205-EL-HIL-DG-000047

REFERENCE DRAWING NUMBER:
YSD-P01-0205-EL-HYD-DG-000410 (Rev-01)

00	SUBMISSION FOR APPROVAL	13-08-'17
Issue	Description	Date
Status		
SHOP DRAWING		
Scales	Scale (A1)	Current Issue Signatures
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Original Size		Checker
Datum	WGS84	Approver
Grid	UTM 40N	© Copyright reserved
File Name :		

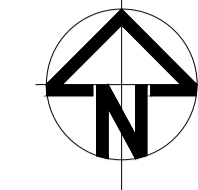
Project

Title
**SW NETWORK LAYOUT PLAN
SHEET-08**

Drawn By: *RS* Prepared By: *CP* Checked By: *Pardeep*

Approved By: *APZ* Date: 13-08-2017

Drawing No. YSD-P01-0105-EL-HIL-DG-000046 Rev 00



- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
 2. AS MUCH AS POSSIBLE DUCT ON NATURAL BEND TO BE ADOPTED LEADING TO PLOT CONNECTION.
 3. THE JRC12 & JRC14 SIZE ARE INDICATIVE ONLY.
 4. ALL THE CIVIL WORKS ARE CONTRACTOR'S RESPONSIBILITY. PIPES, FITTINGS AND JRC'S SHALL BE FREE ISSUED BY DU (TELECOM PROVIDER).

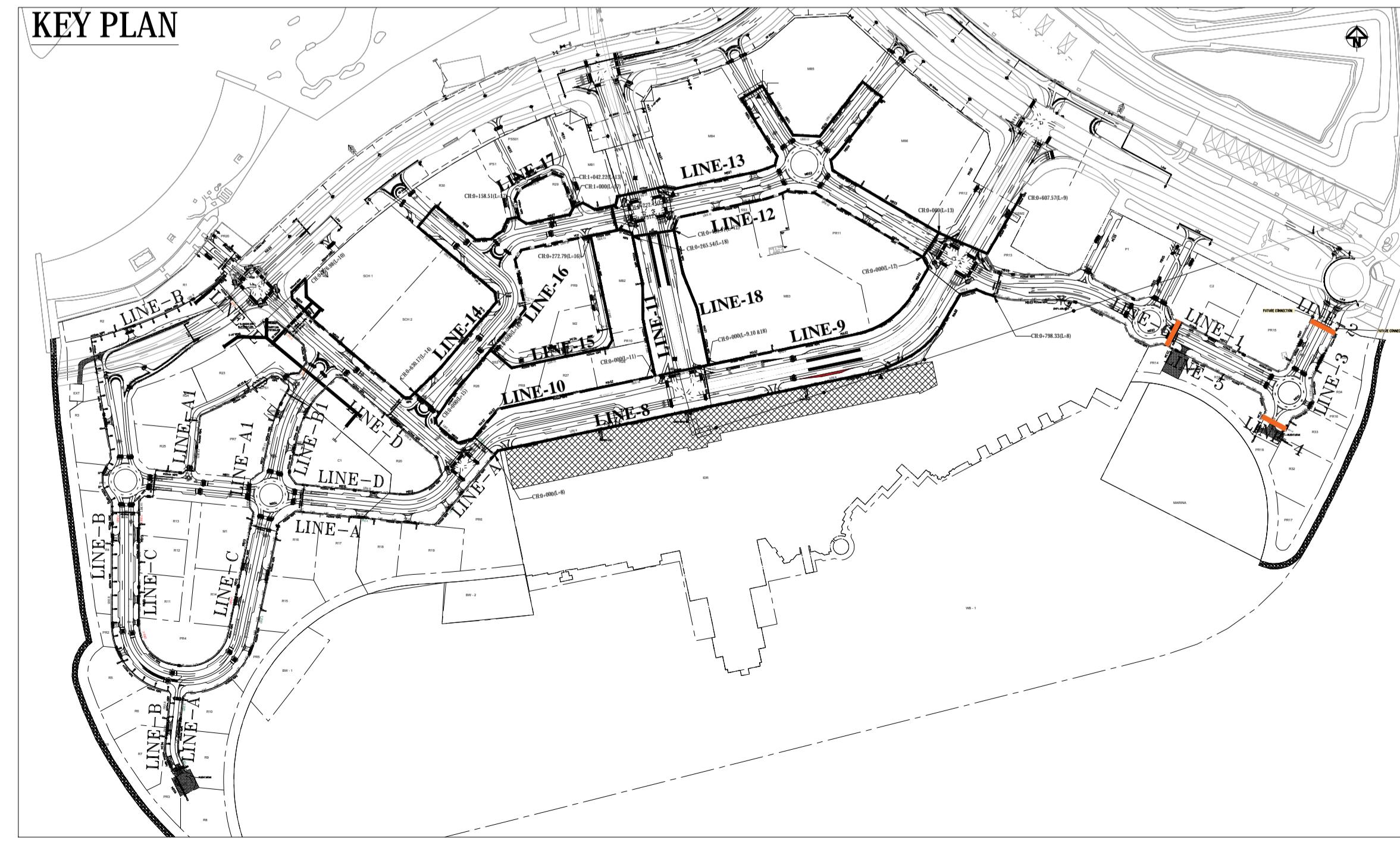
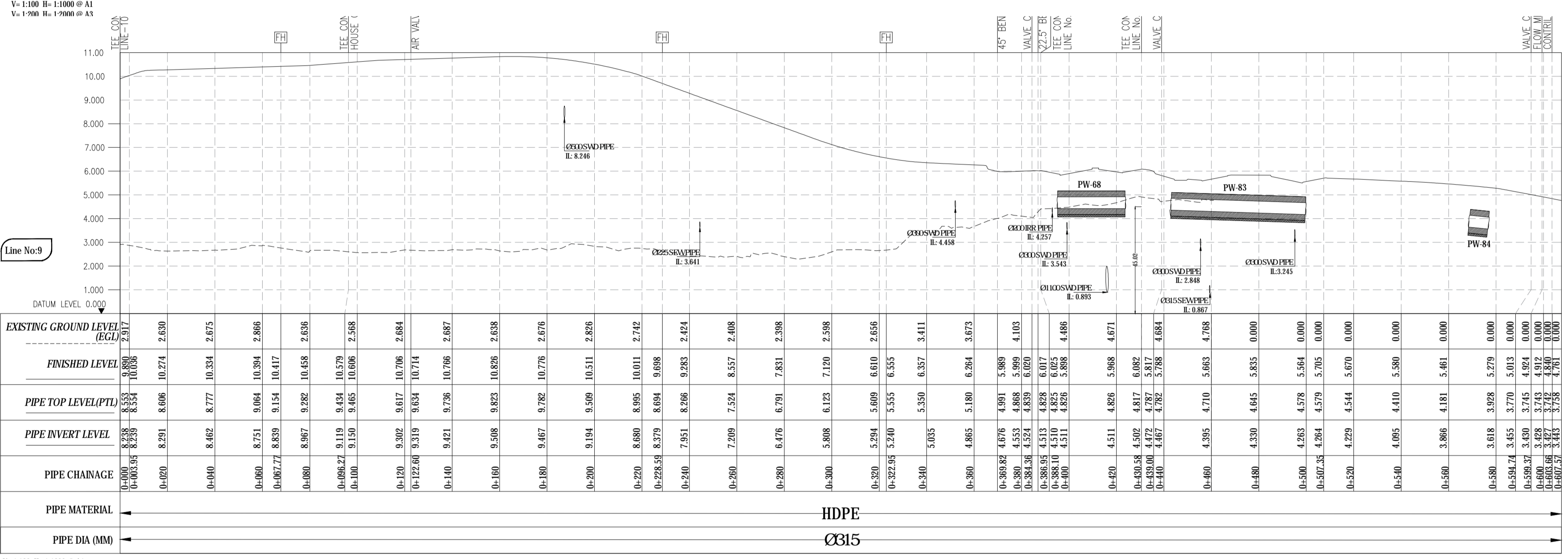
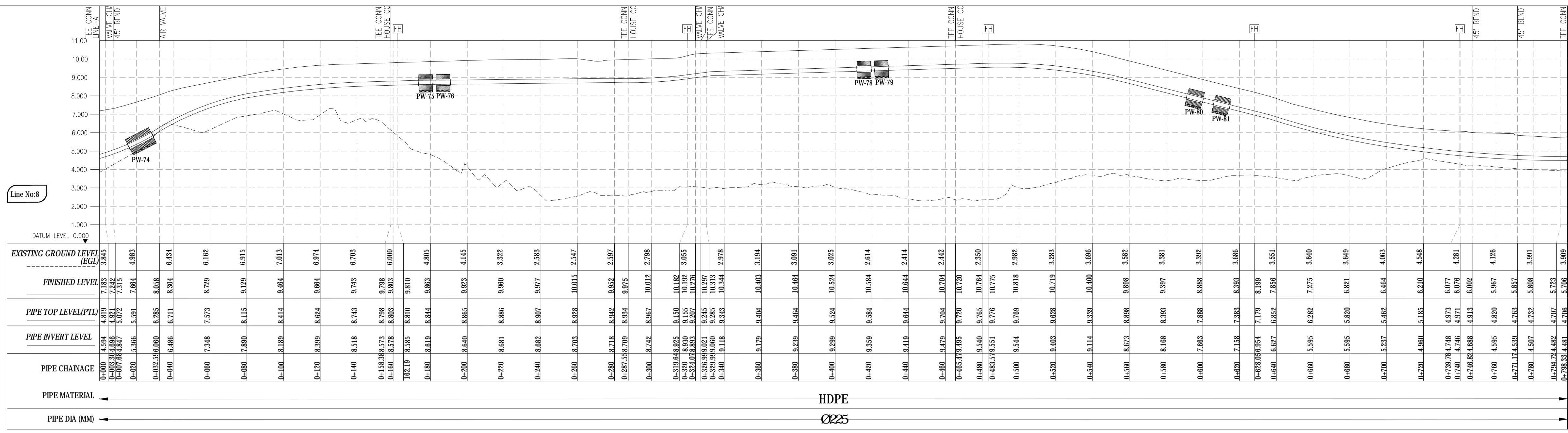
LEGEND:

	PROJECT BOUNDARY
	PROPOSED 2xDS4 DUCT
	PROPOSED 4xDS4 DUCT
	PROPOSED 6xDS4 DUCT
	PROPOSED ROAD CROSSING DUCT
	PROPOSED JRC 12
	PROPOSED JRC 14
	PROPOSED GSM LOCATION
	PROPOSED MMR
	EXISTING TELECOM NETWORK
	PROPOSED TELECOM CORRIDOR



00	ISSUED FOR INFORMATION ONLY	29 JUN 17
Issue	Description	Date
Status	SKETCH (NOT TO BE USED FOR CONSTRUCTION)	
Scales	1:3000	Current Issue Signatures
Original Size	A1	Author
Datum	WGS84	Checker
Grid	UTM 40N	Approver
© Copyright reserved		
File Name : FINAL - YSD-P01-0000-ET-HYD-DG-000006(R1)DWG		

Title	
TELECOM NETWORK LAYOUT PLAN SHEET-08	
Drawing No.	Rev
YSD-P01-0000-ET-HYD-DG-000006	00



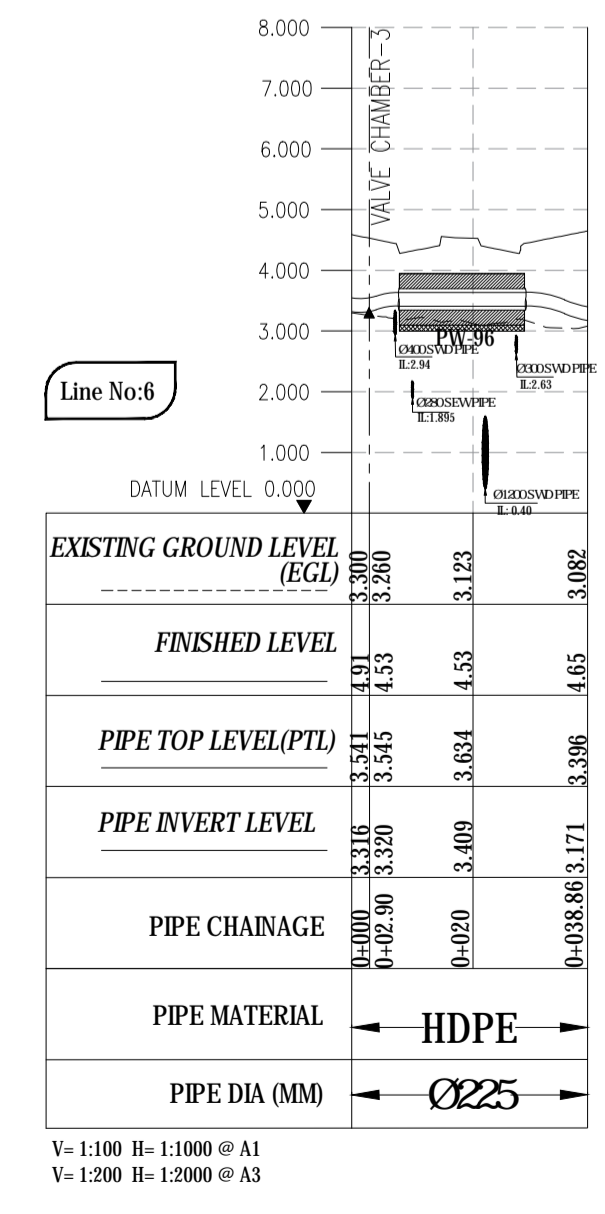
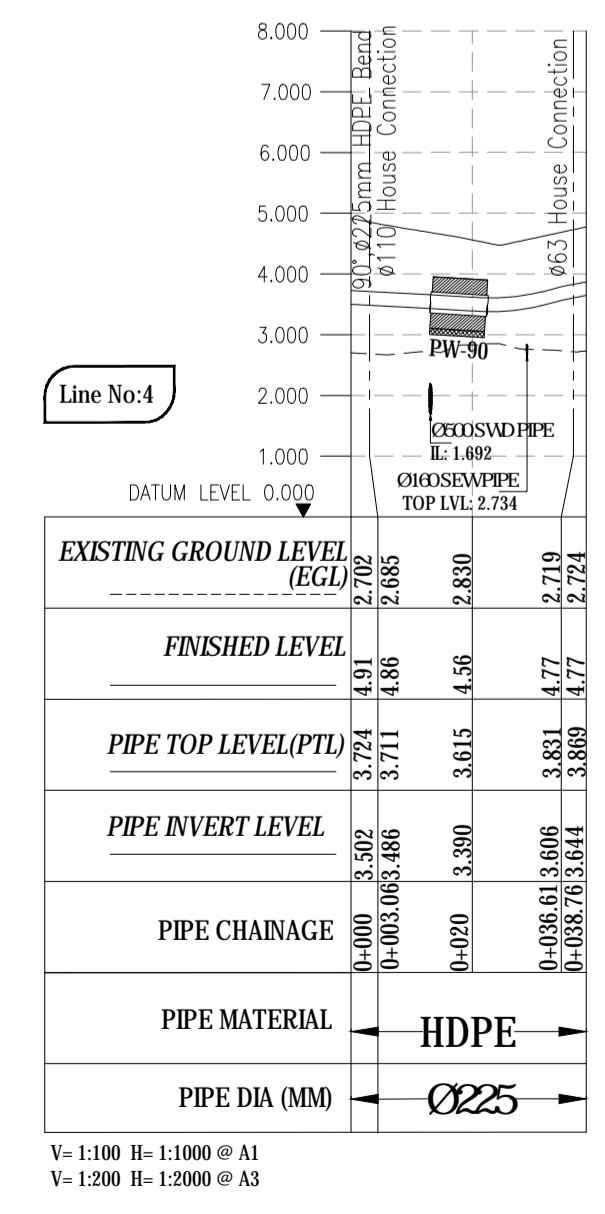
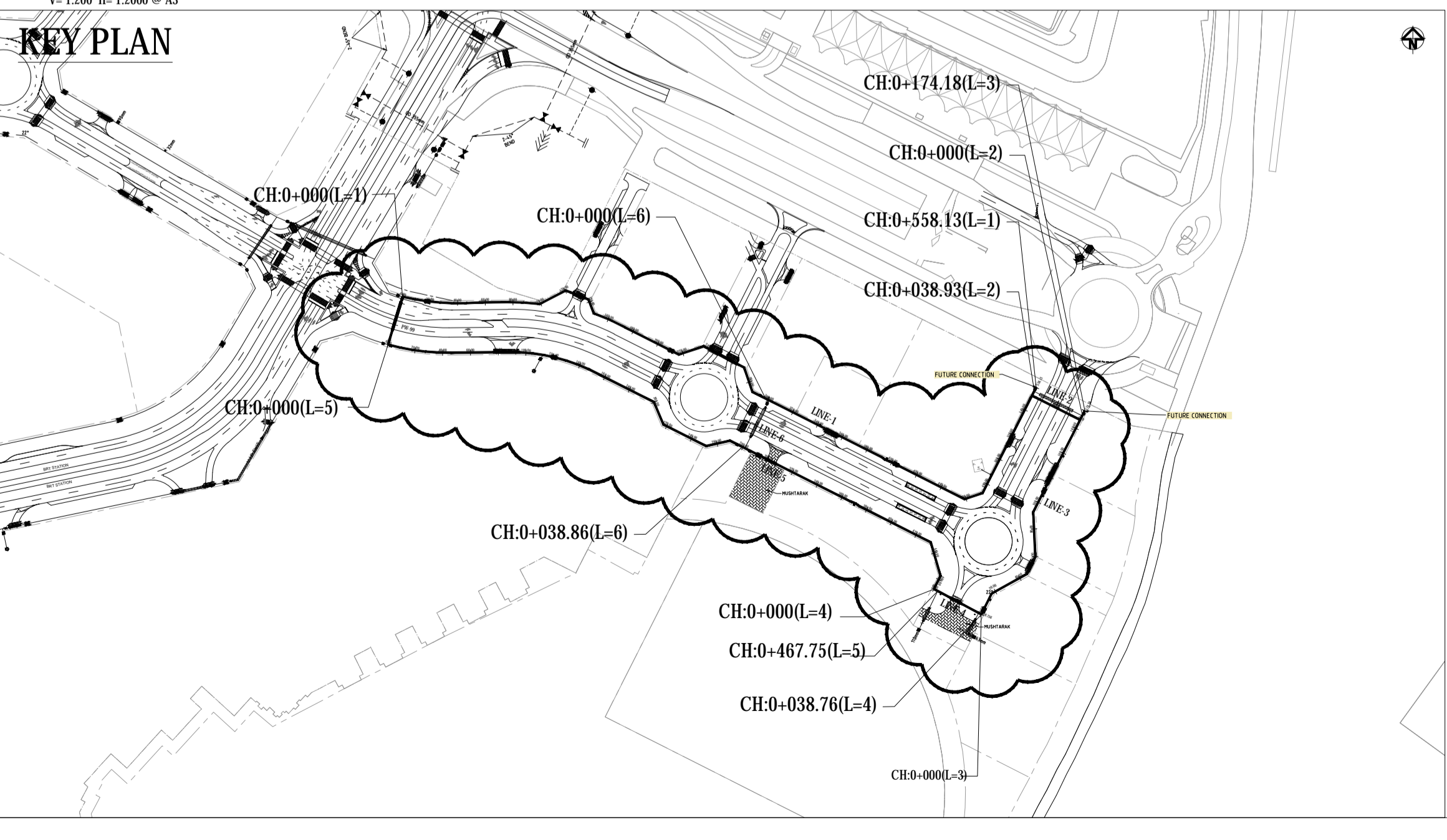
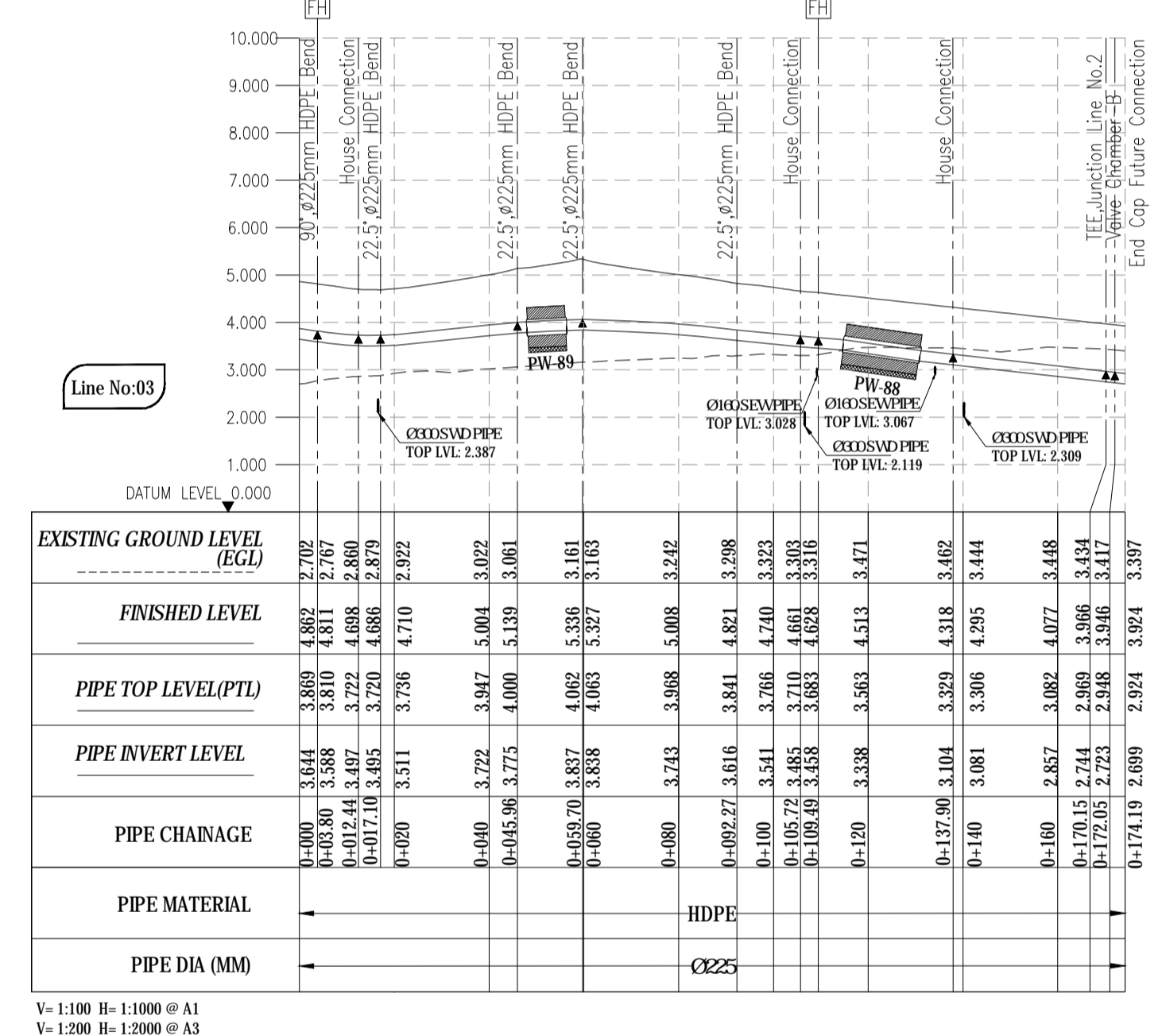
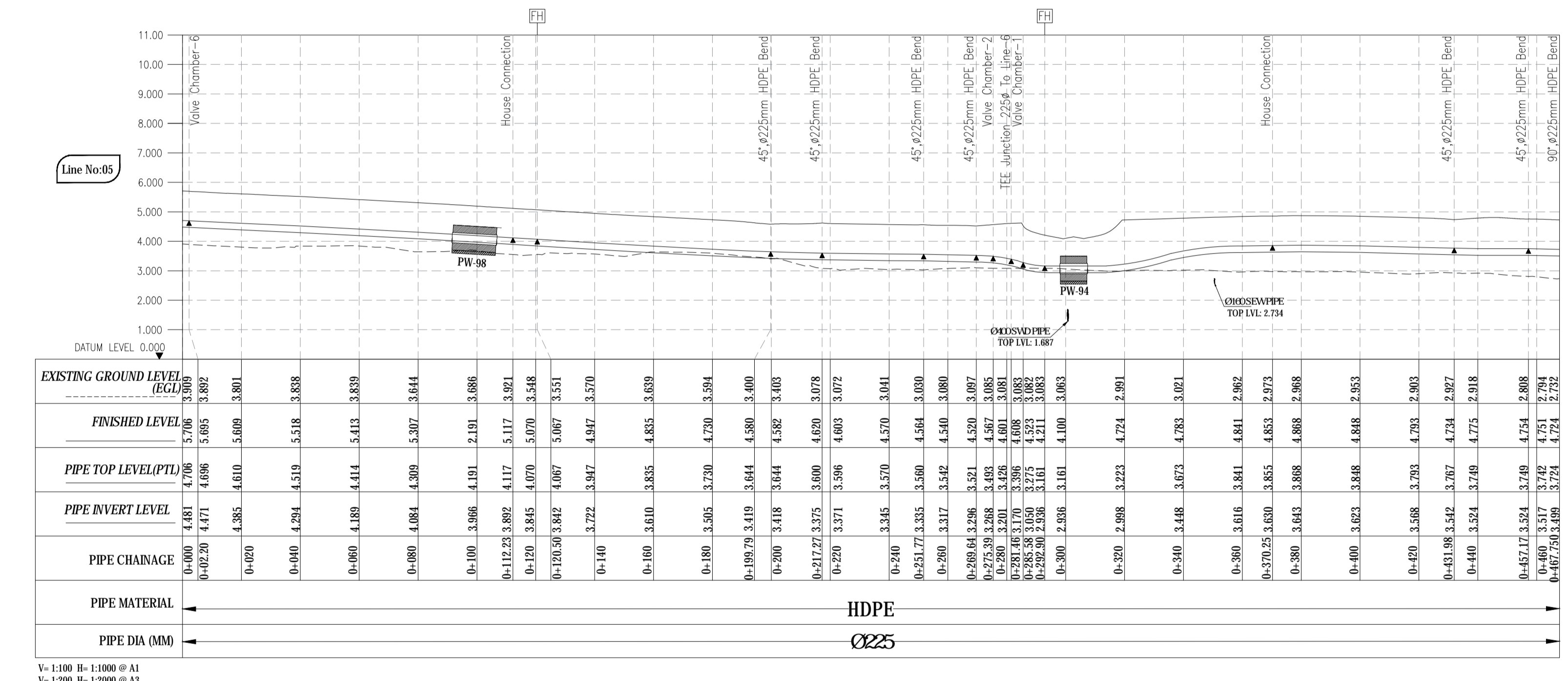
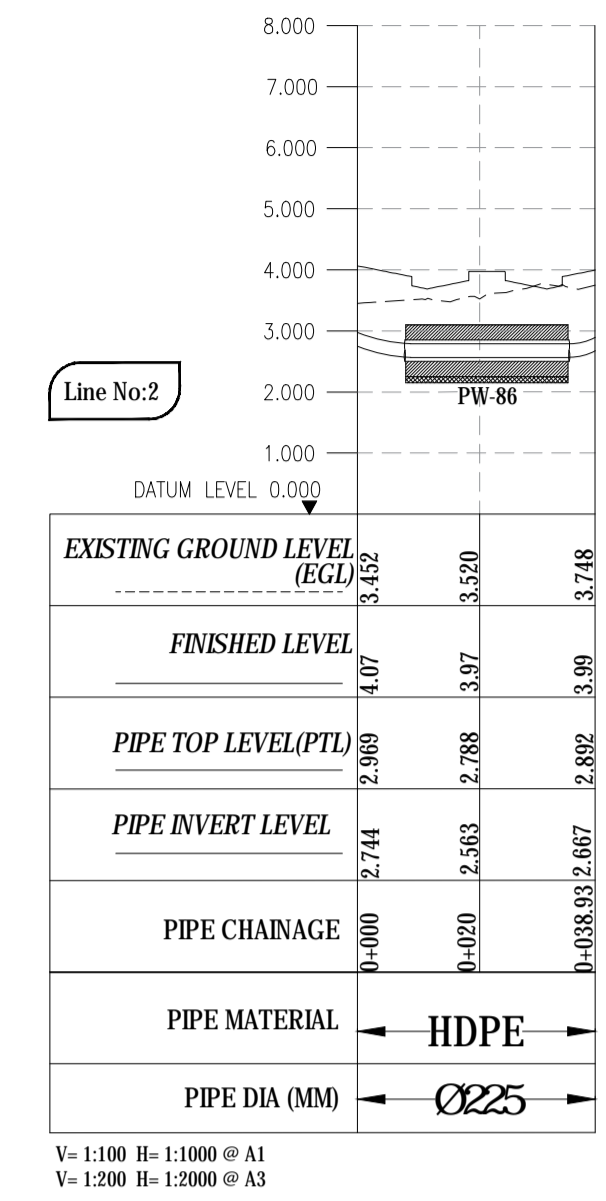
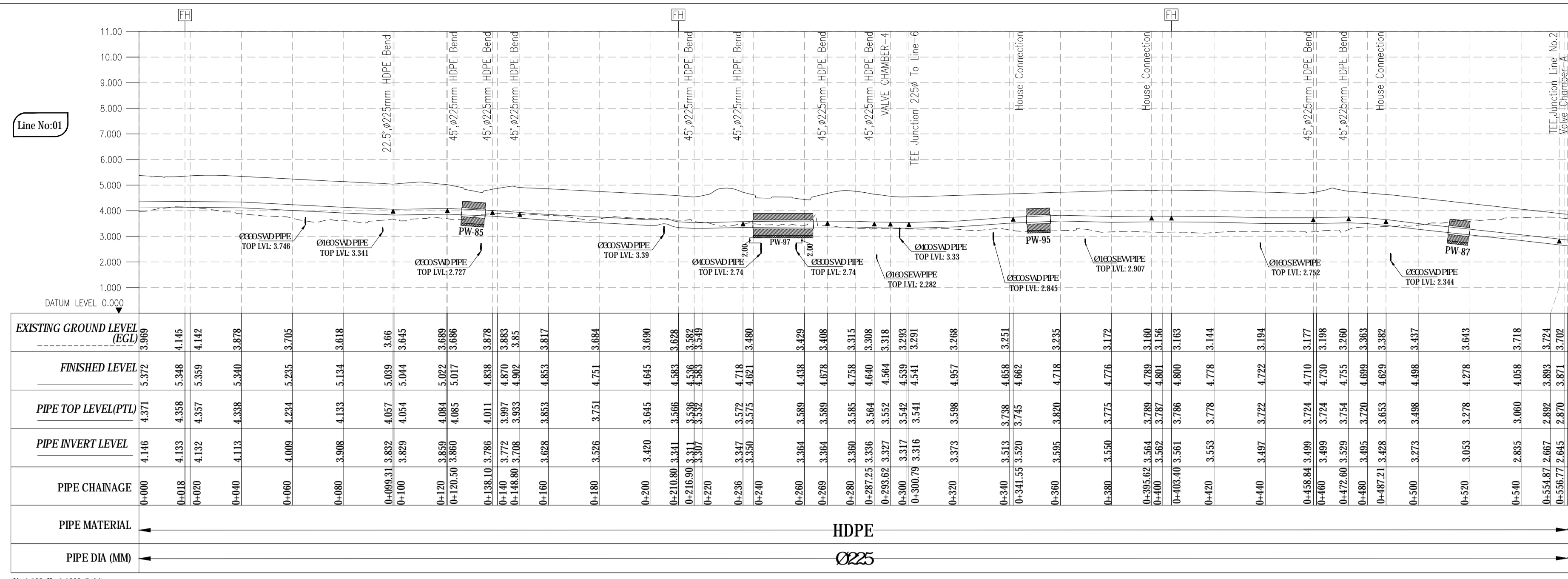
NOTE:
FOR PORTABLE WATER LAYOUT REFERENCE
DRAWING NO.
YSD-P01-0205-WA-HIL-DG-000001
YSD-P01-0205-WA-HIL-DG-000002
YSD-P01-0205-WA-HIL-DG-000003
YSD-P01-0205-WA-HIL-DG-000004
YSD-P01-0205-WA-HIL-DG-000008
YSD-P01-0205-WA-HIL-DG-000009

MATCH LINE-A-A

Issue	00	SUBMISSION FOR APPROVAL	12-11-2017
Status	SHOP DRAWING		
Scale	Scale (A1) Scale (A3)	Current Issue Signatures	
Original Size		Author	
Datum	WGS84	Checker	
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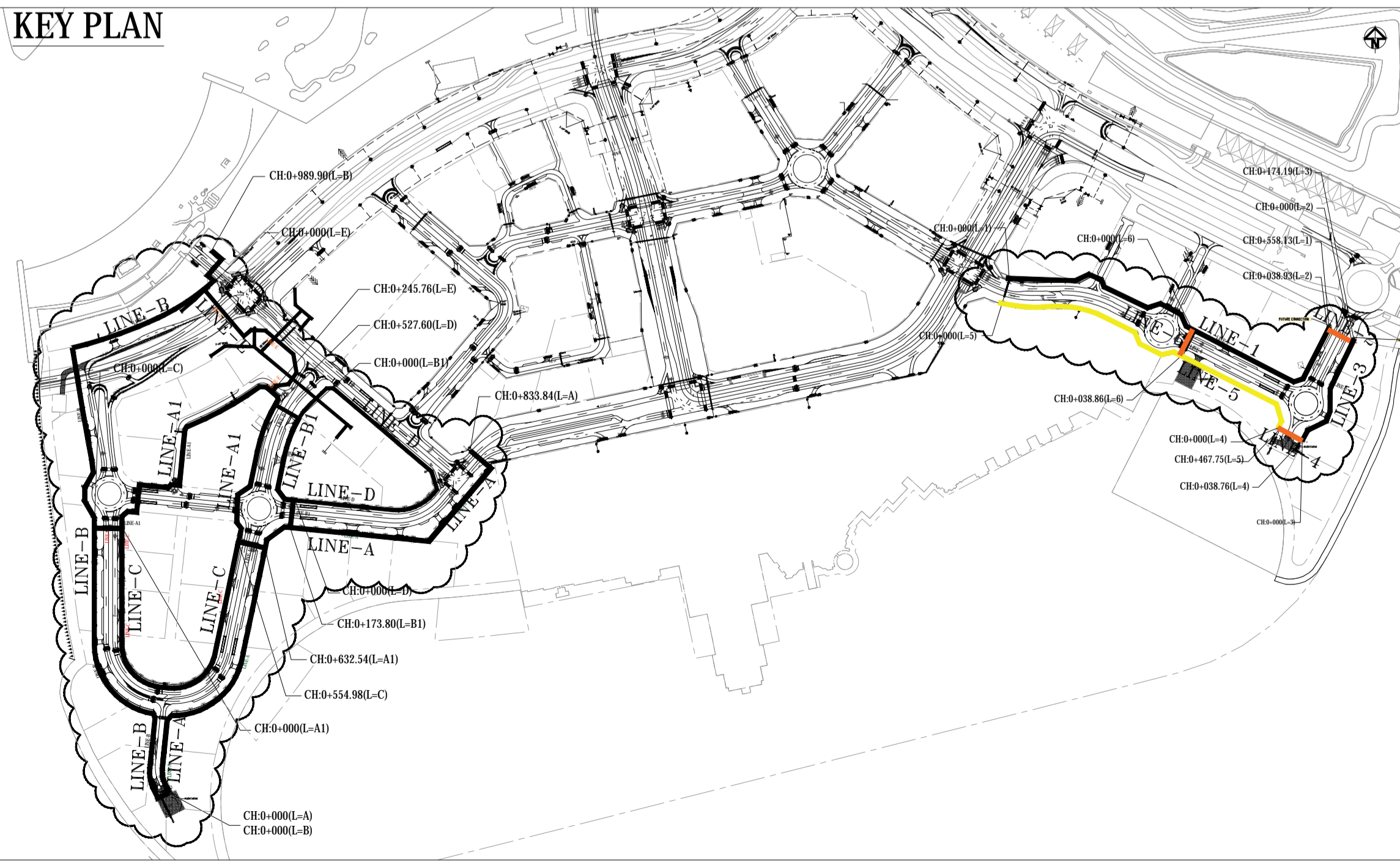
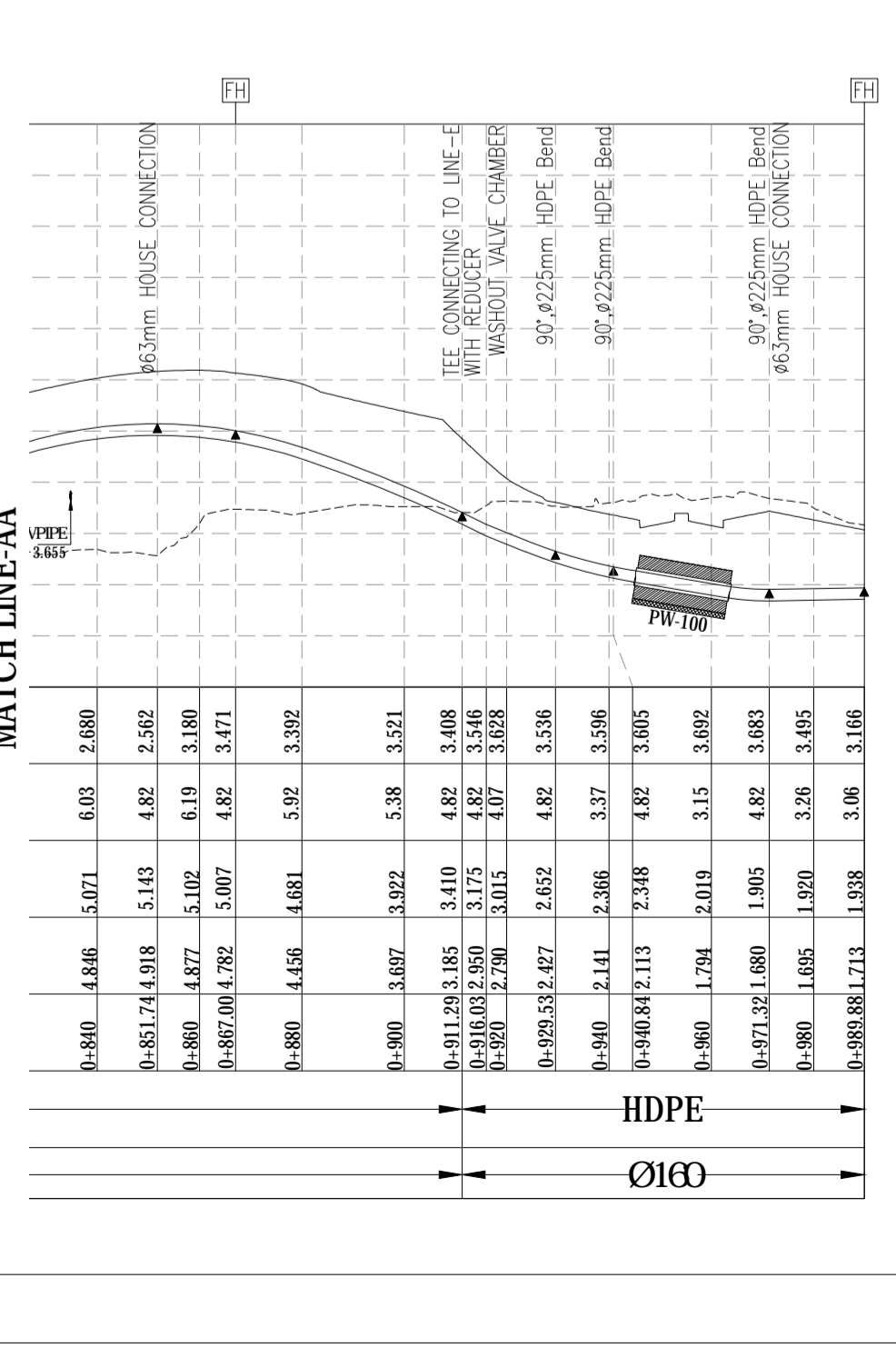
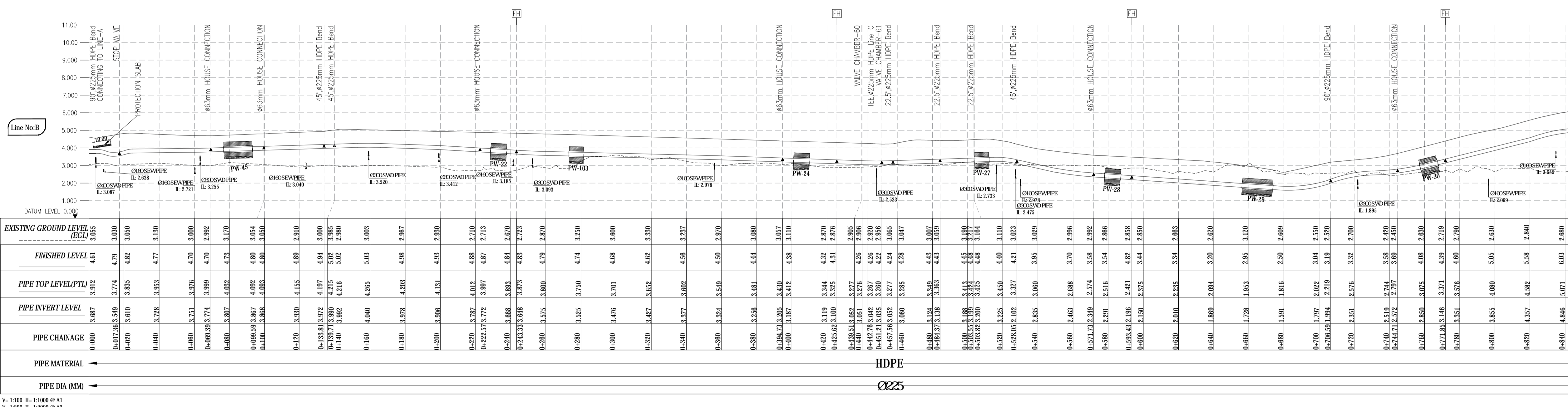
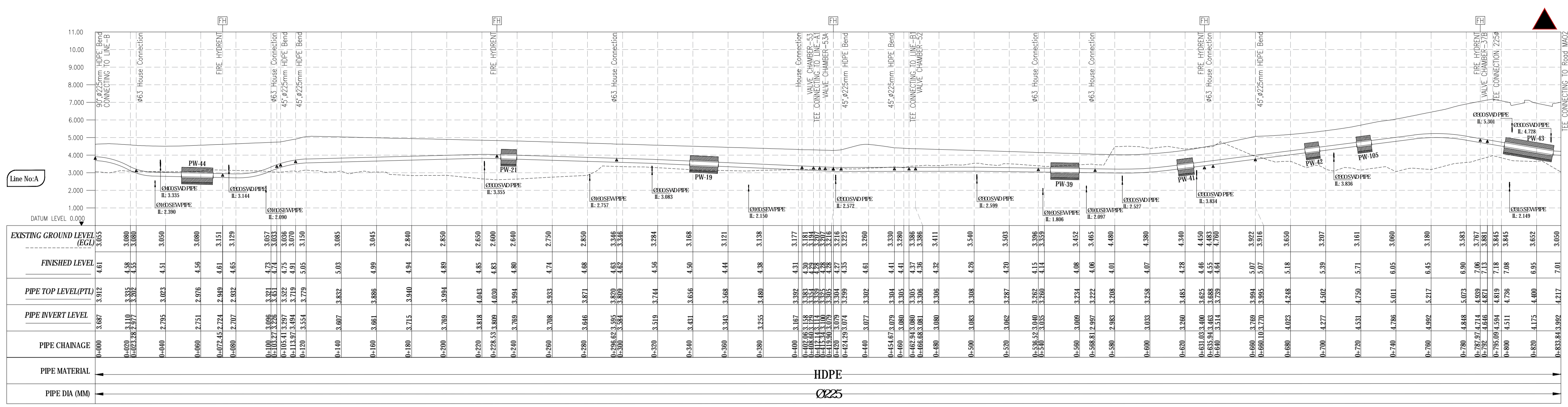
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Drawn By:	QS	Prepared By:	CP
Checked By:	Farooq	Date:	12-11-2017
Approved By:	ATZ	Rev	00
Drawing No.	YSD-P01-0205-WA-HIL-DG-000026		

NOTE:
 FOR PORTABLE WATER LAYOUT REFERENCE
 DRAWING NO.
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 YSD-P01-0205-WA-HIL-DG-000002
 YSD-P01-0205-WA-HIL-DG-000003
 YSD-P01-0205-WA-HIL-DG-000004
 YSD-P01-0205-WA-HIL-DG-000008
 YSD-P01-0205-WA-HIL-DG-000009



02	Revised Due to Reduction in Kerbstone Height	26-08-2017
01	COMMENTS INCORPORATED	29-06-2017
00	FOR APPROVAL	31-05-2017
Status	SHOP DRAWING	
Scales	Scale (A1) Scale (A3)	Current Issue Signatures Author
Original Size	Checker	
Datum	WGS84	Approver
Grid	UTM 40N	© Copyright reserved
File Name :		
Client		
Project		
Title	POTABLE WATER NET WORK PROFILE LINE- 01,02,03,04,05 & 06	
Drawn By: <i>PR</i>	Prepared By: <i>CP</i>	Checked By: <i>Farooq</i>
Approved By: <i>ATZ</i>	Date: <i>31-05-2017</i>	
Drawing No.	YSD-P01-0205-WA-HIL-DG-000015	Rev 02

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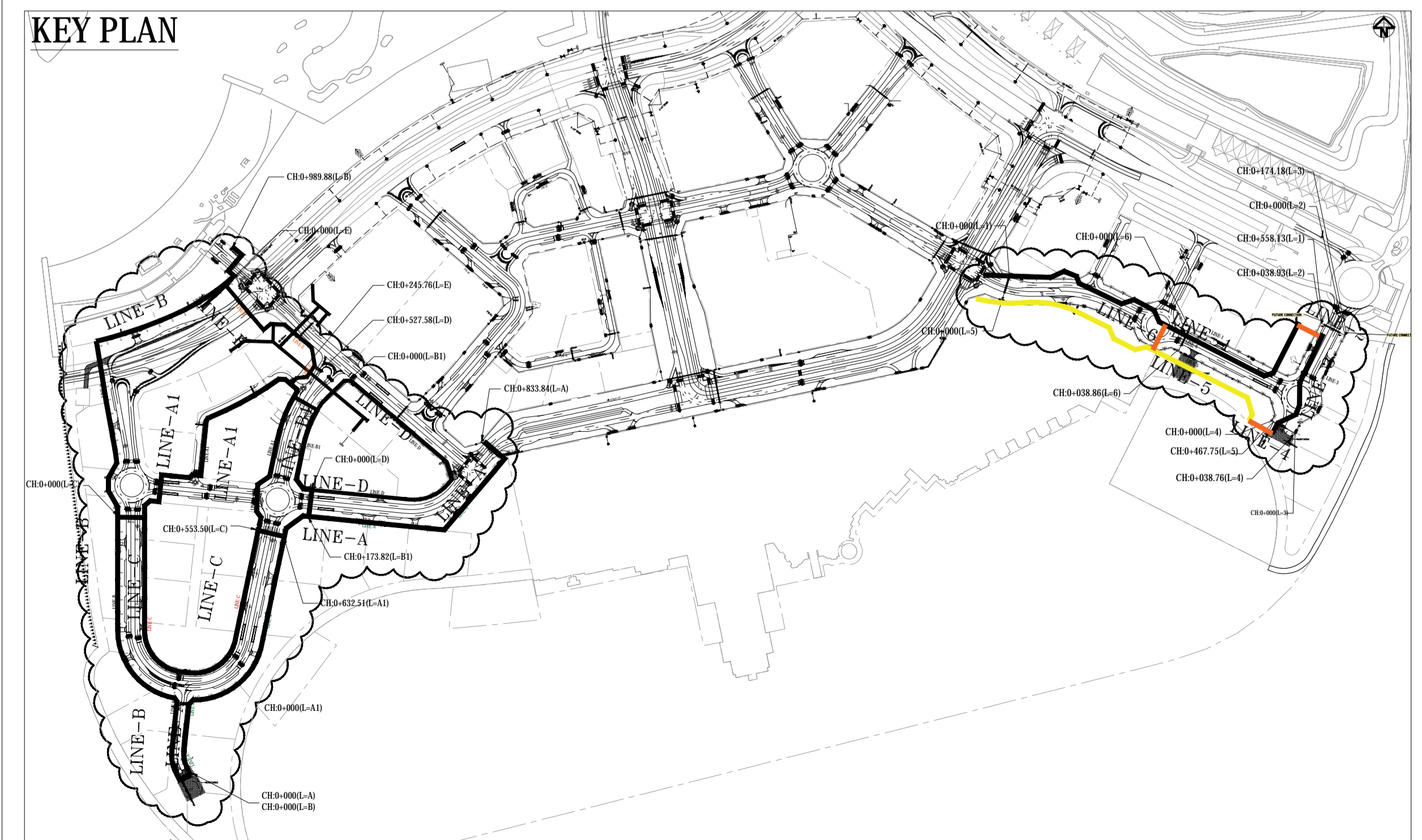
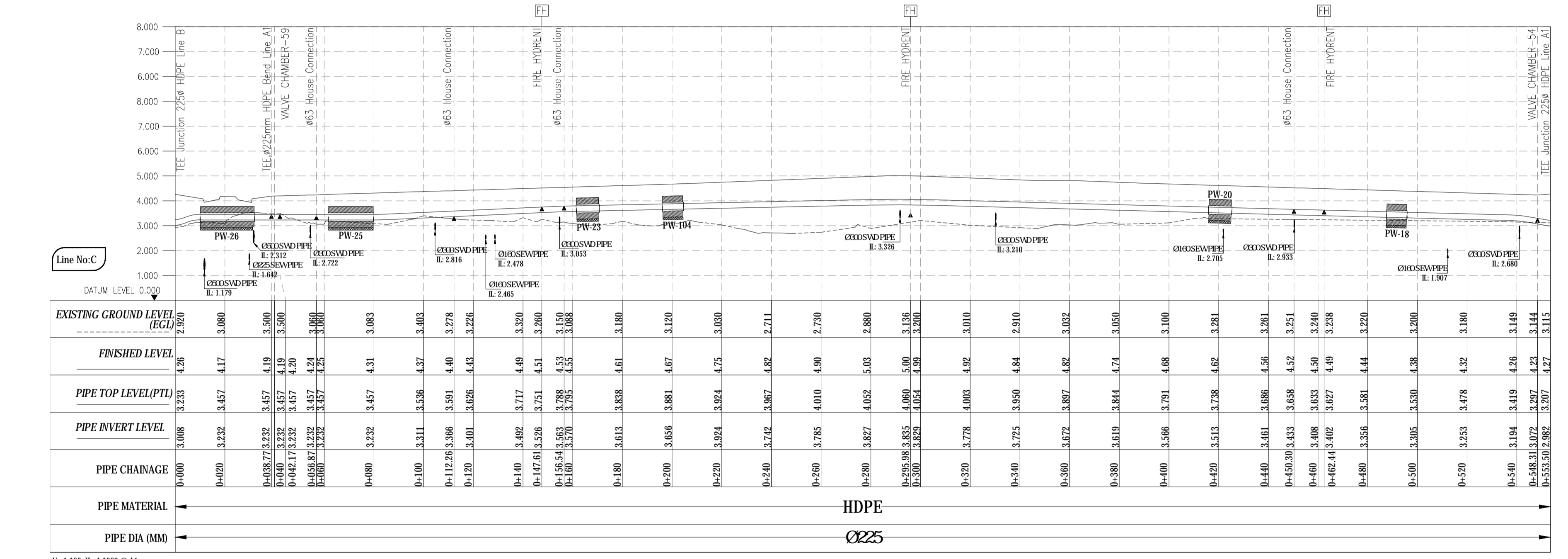
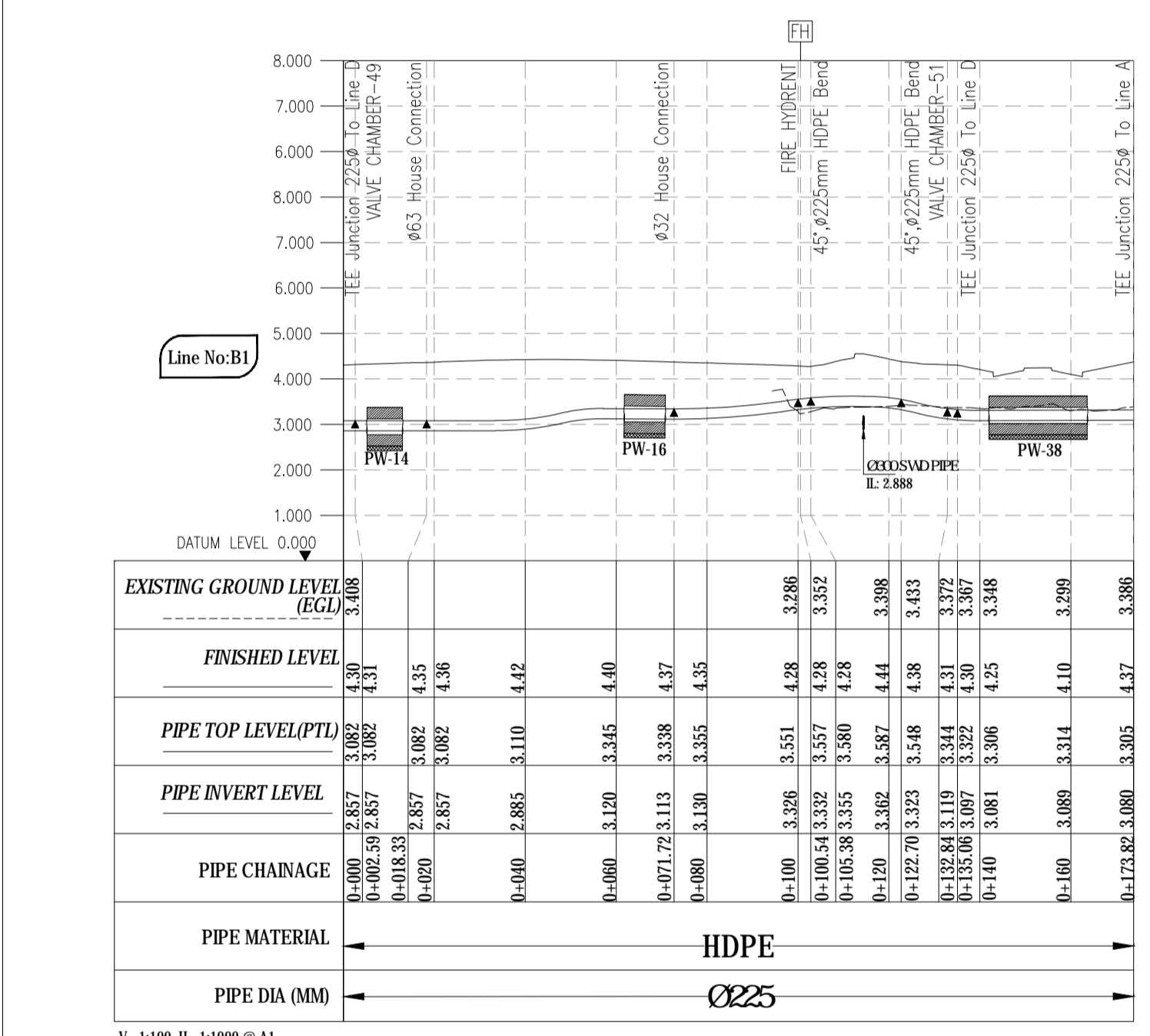
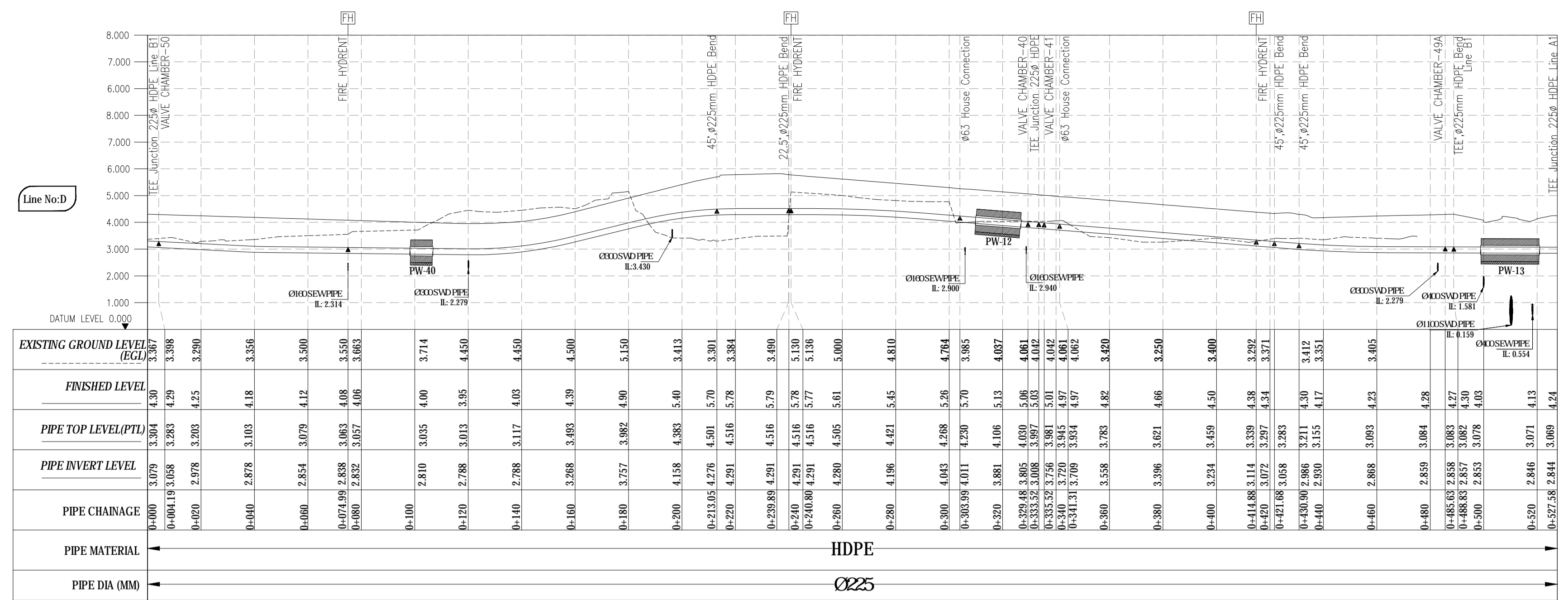
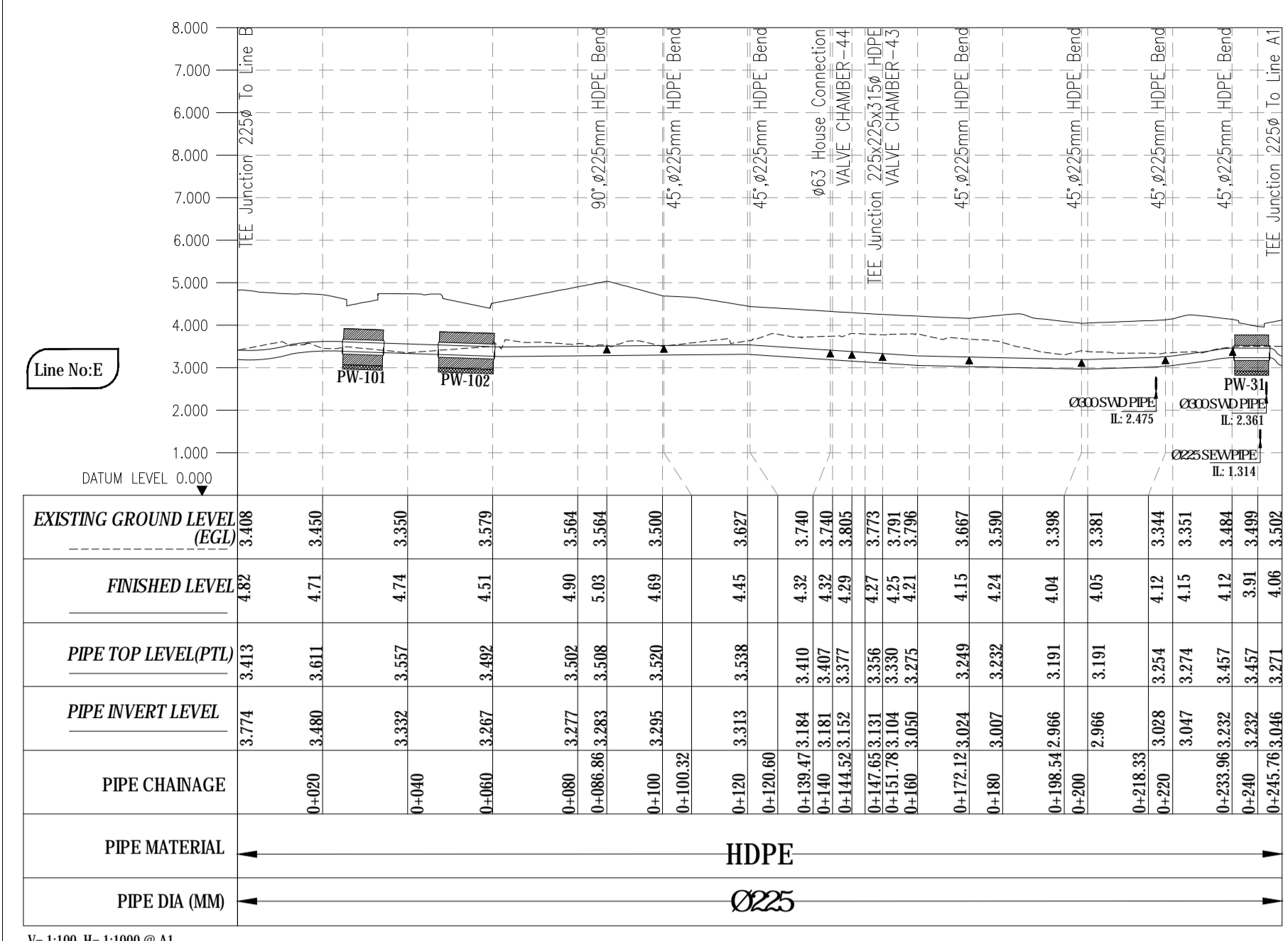
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YSD-P01-0205-WA-HIL-DG-000004
YSD-P01-0205-WA-HIL-DG-000005

Issue	Description	Date
03	REVISED IFC DRAWING & AVOID OTHER SERVICE CLASHES	07-11-2017
02	REVISED DUE TO REDUCTION IN KERBSTONE HEIGHT	09-09-2017
01	COMMENTS INCORPORATED	29-06-2017
00	FOR APPROVAL	31-05-2017

SHOP DRAWING	
Scale	Current Issue Signatures
Scale (A1) Scale (A3)	Author
Original Size	Checker
Datum	Approver
Grid	UTM 40N
File Name	WATER PROFILE AREA-4-1DWG
Client	© Copyright reserved

Project		
Title		
PUBLIC REALM		
POTABLE WATER NET WORK PROFILE LINE-A&B		
Drawn By: QS	Prepared By: C/P	Checked By: Farouk
Approved By: ATZ	Date: 31-05-2017	
Drawing No.	YSD-P01-0205-WA-HIL-DG-000016	Rev
		03

NOTE:
 FOR PORTABLE WATER LAYOUT REFERENCE
 DRAWING NO.
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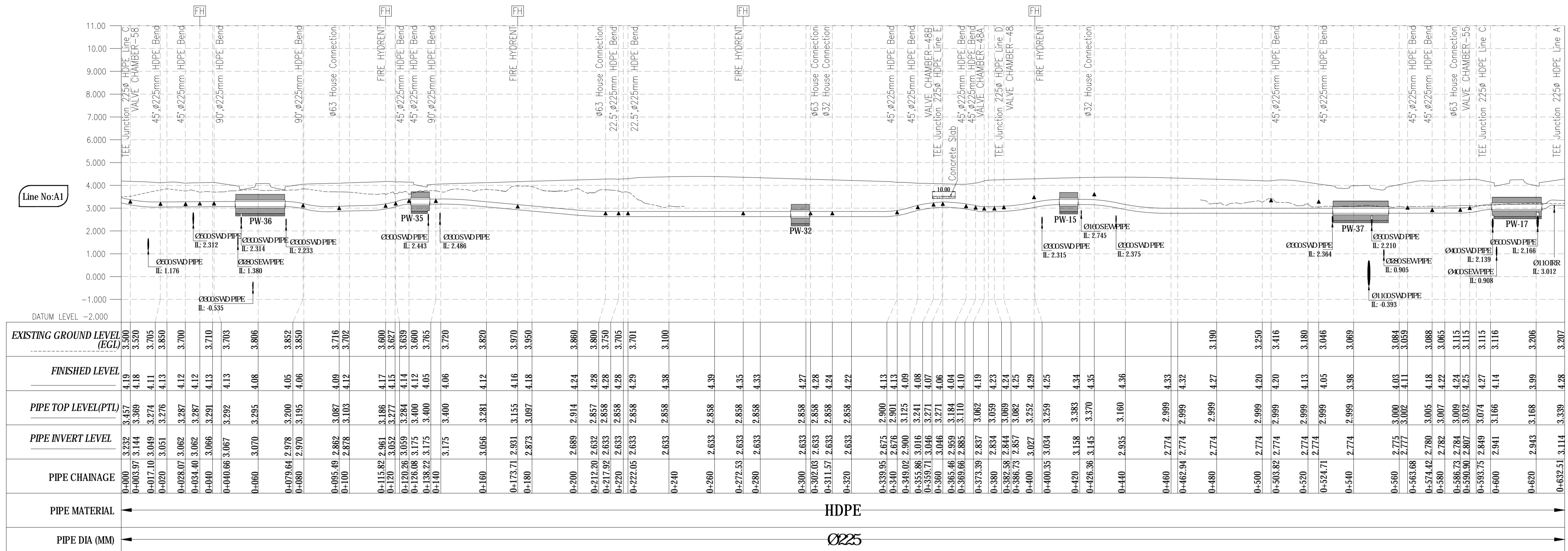
Issue	Description	Date
04	REVISED IFC DRAWING & AVOID OTHER SERVICE CLASHES	07-11-2017
03	REVISED DUE TO REDUCTION IN KERBSTONE HEIGHT	09-09-2017
02	COMMENTS INCORPORATED	20-07-2017
01	COMMENTS INCORPORATED	29-06-2017
00	FOR APPROVAL	31-05-2017

SHOP DRAWING		
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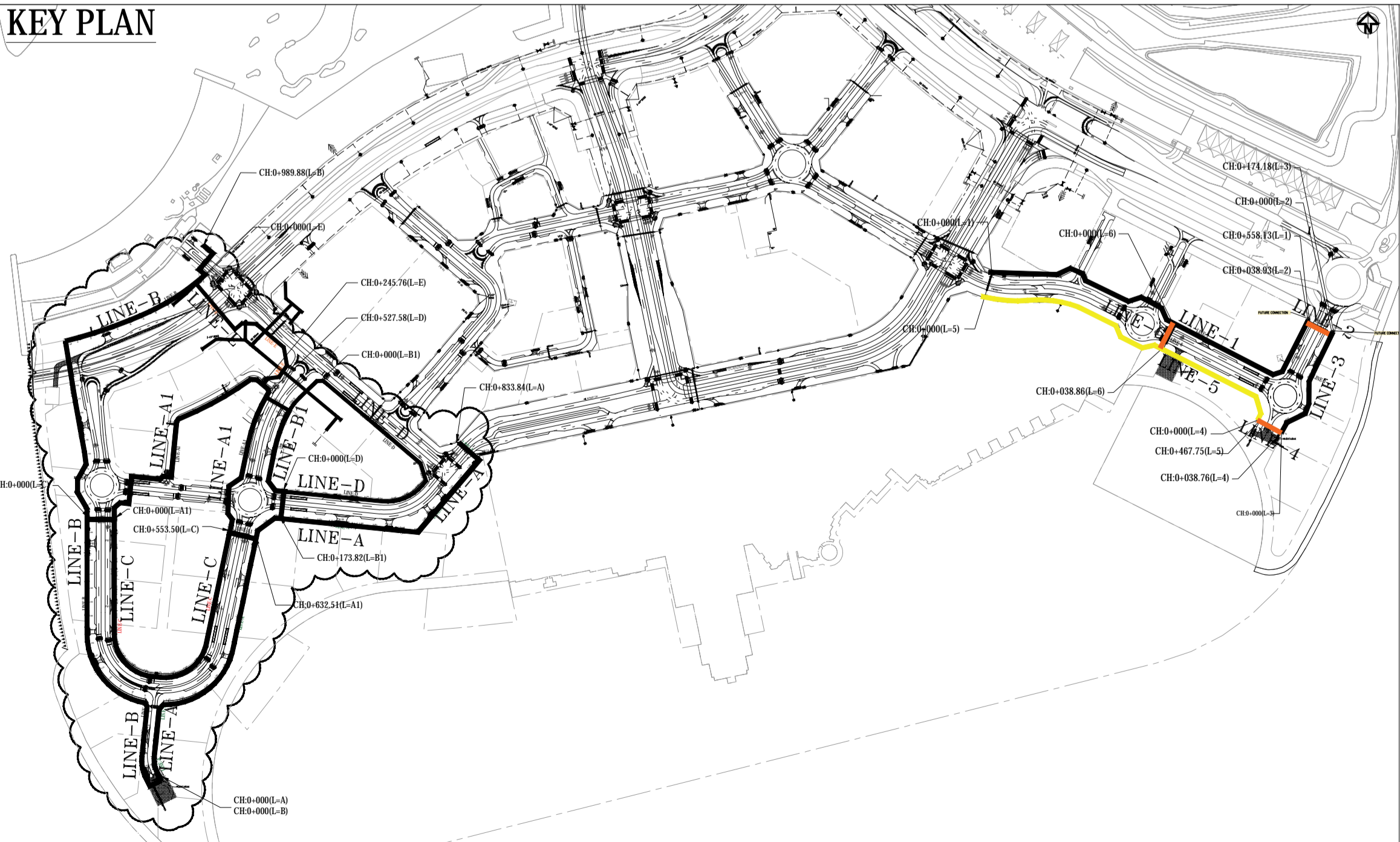
Title
**POTABLE WATER NET WORK PROFILE
 LINE- C, D, E & B1**

Drawn By: QS	Prepared By: CP	Checked By: Farouk
Approved By: ATZ	Date: 31-05-2017	
Drawing No.		Rev
YSD-P01-0205-WA-HIL-DG-000017		

NOTE:
 FOR PORTABLE WATER LAYOUT REFERENCE
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V= 1:100 H= 1:1000 @ A1
 V= 1:200 H= 1:2000 @ A3



Issue	Description	Date
03	REVISED IFC DRAWING & AVOID OTHER SERVICE CLASHES	07-11-2017
02	REVISED DUE TO REDUCTION IN KERBSTONE HEIGHT	09-09-2017
01	COMMENTS INCORPORATED	29-06-2017
00	FOR APPROVAL	31-05-2017

Status

SHOP DRAWING

Scale	Scale (A1)	Scale (A3)	Current Issue Signatures	
Author				
Checker				
Approver				

Grid UTM 40N © Copyright reserved

File Name : WATER PROFILE AREA-4-3.DWG

Client

Project

Title

POTABLE WATER NETWORK PROFILE
LINE - A1

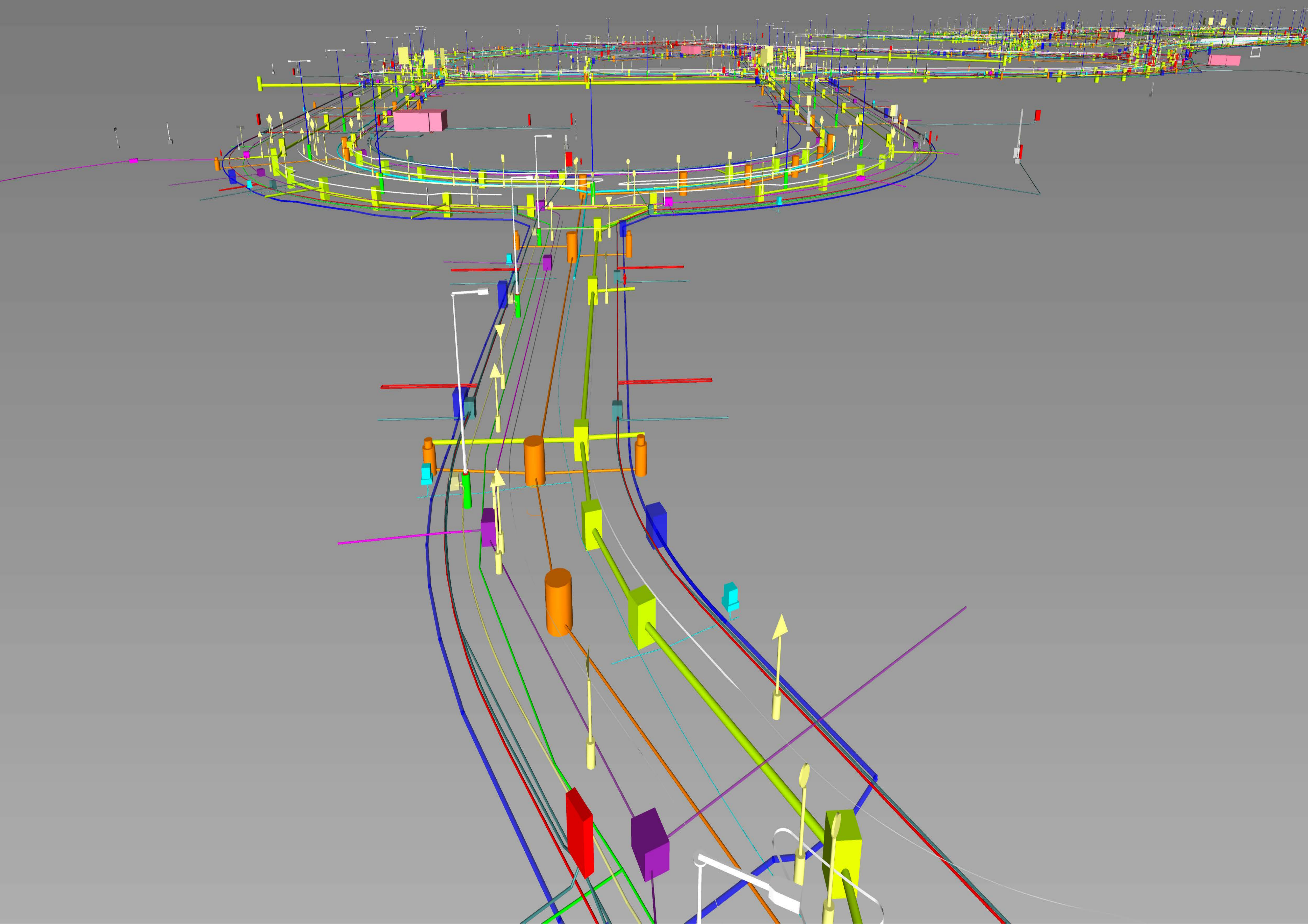
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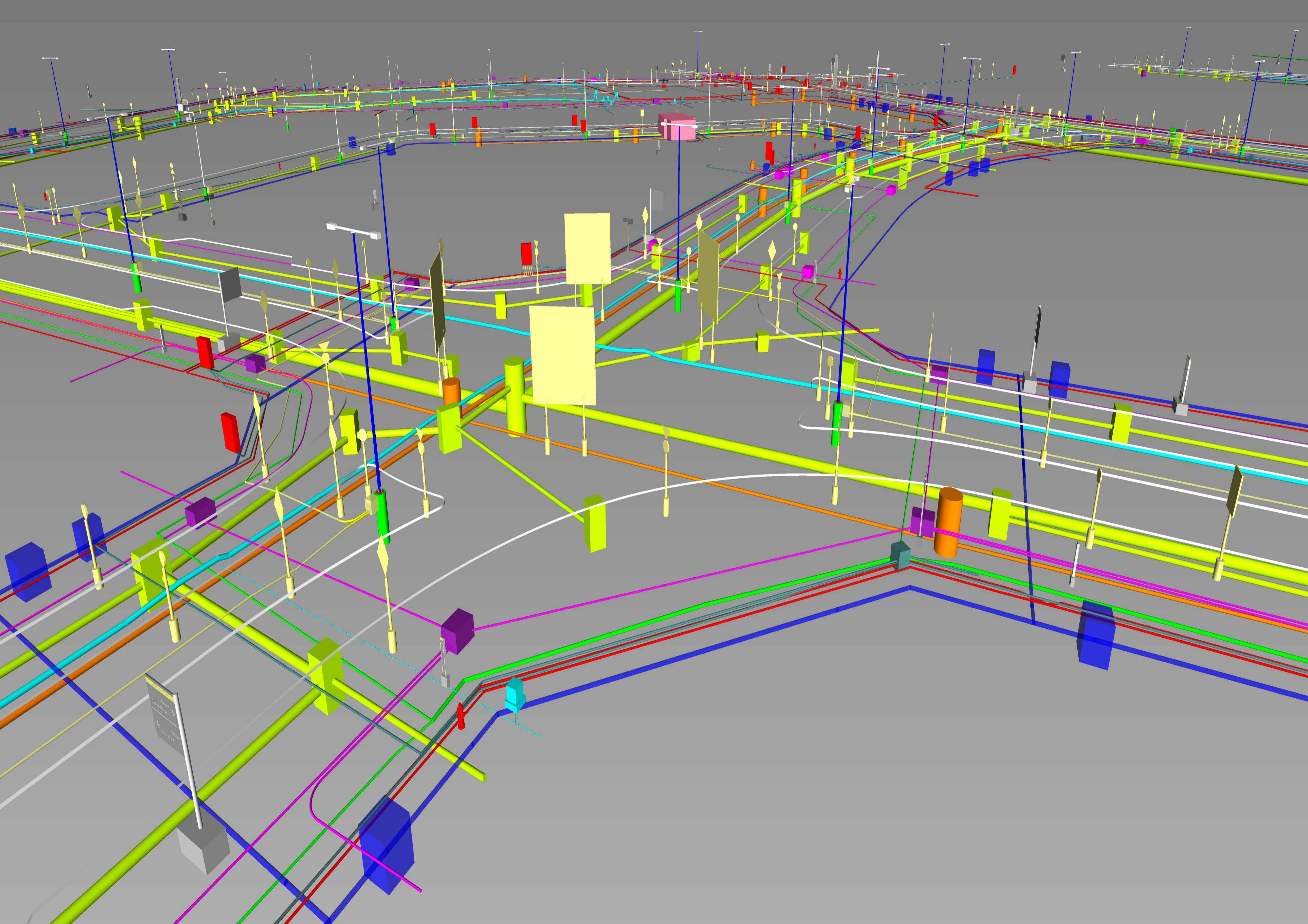
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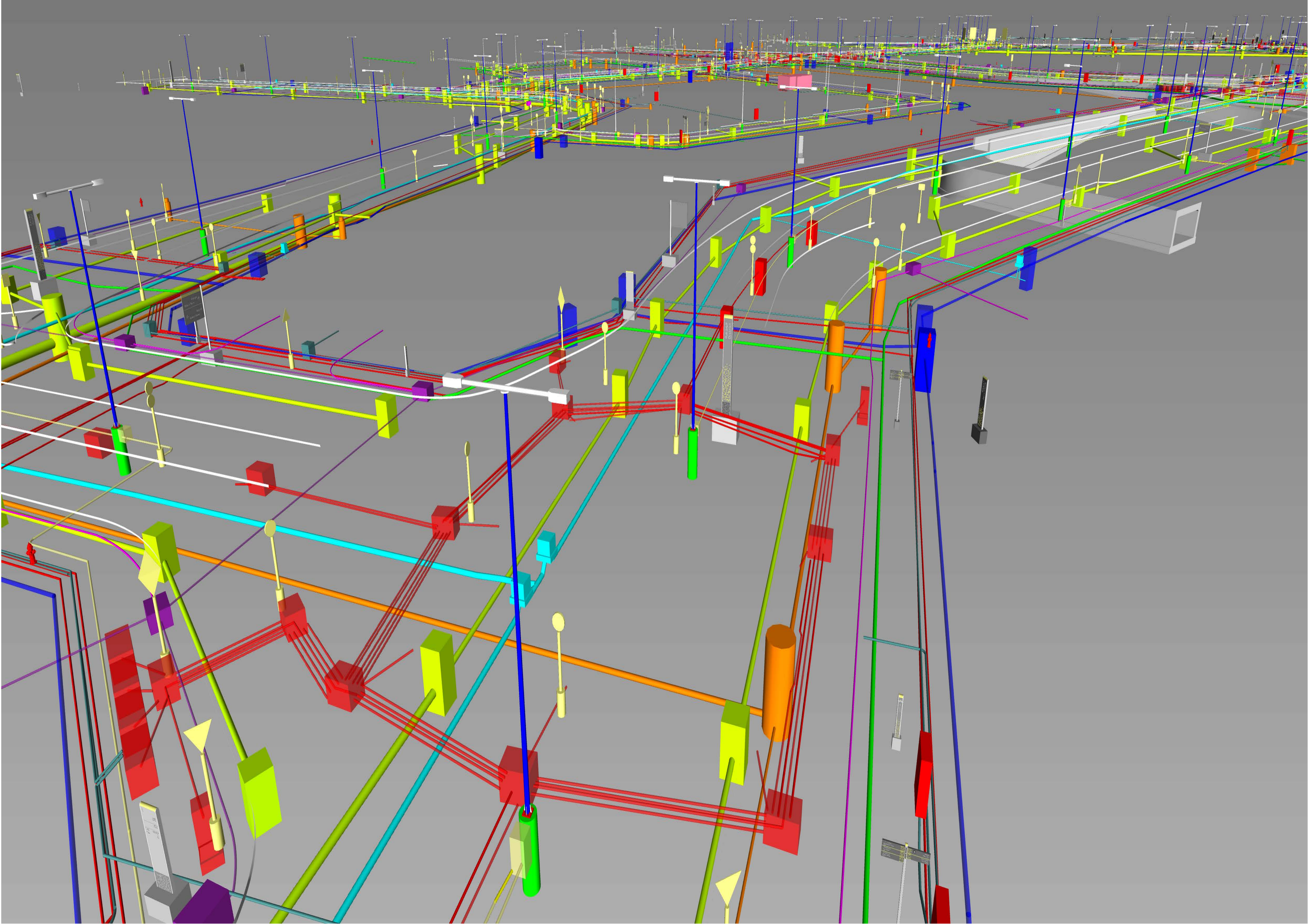
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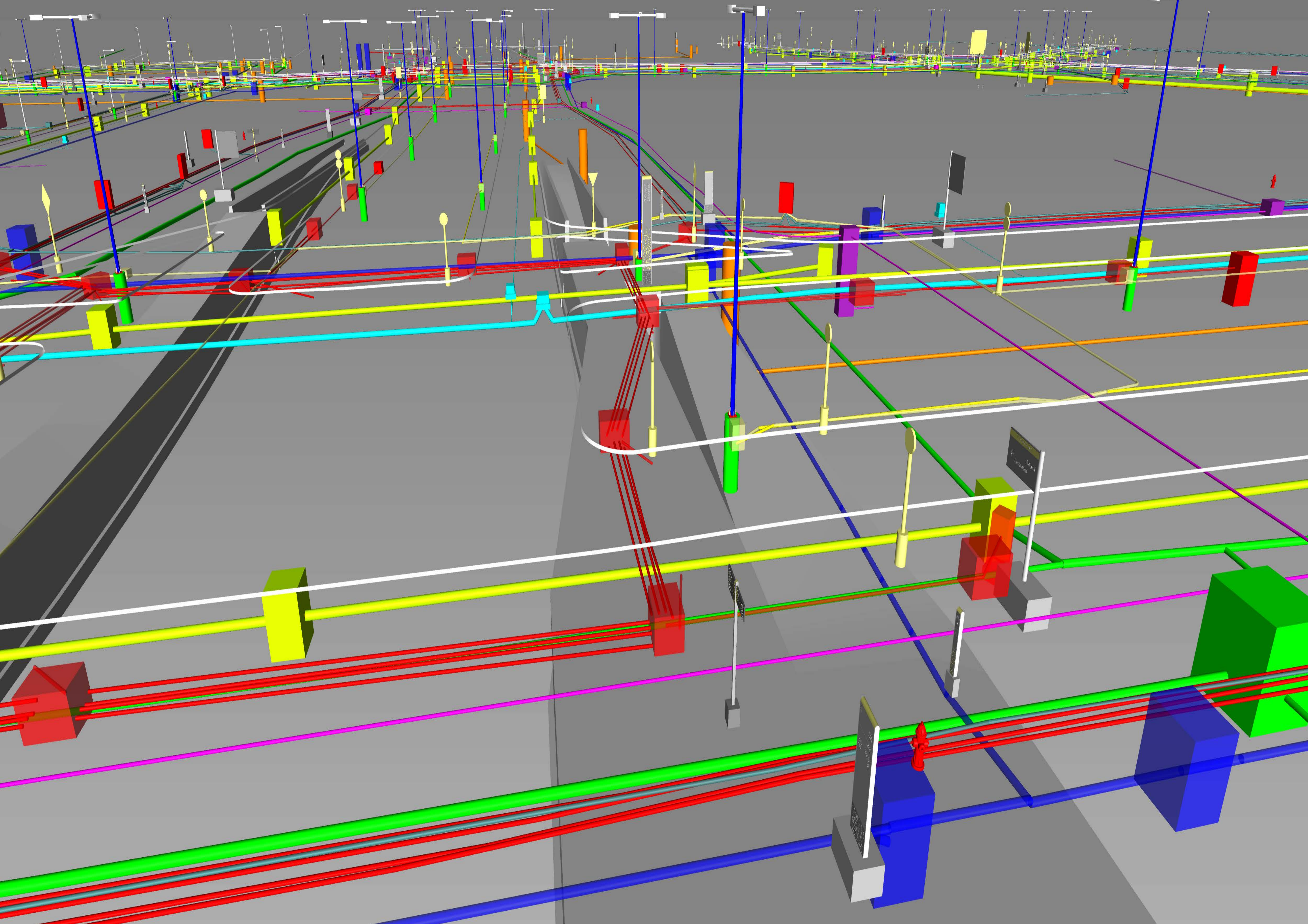
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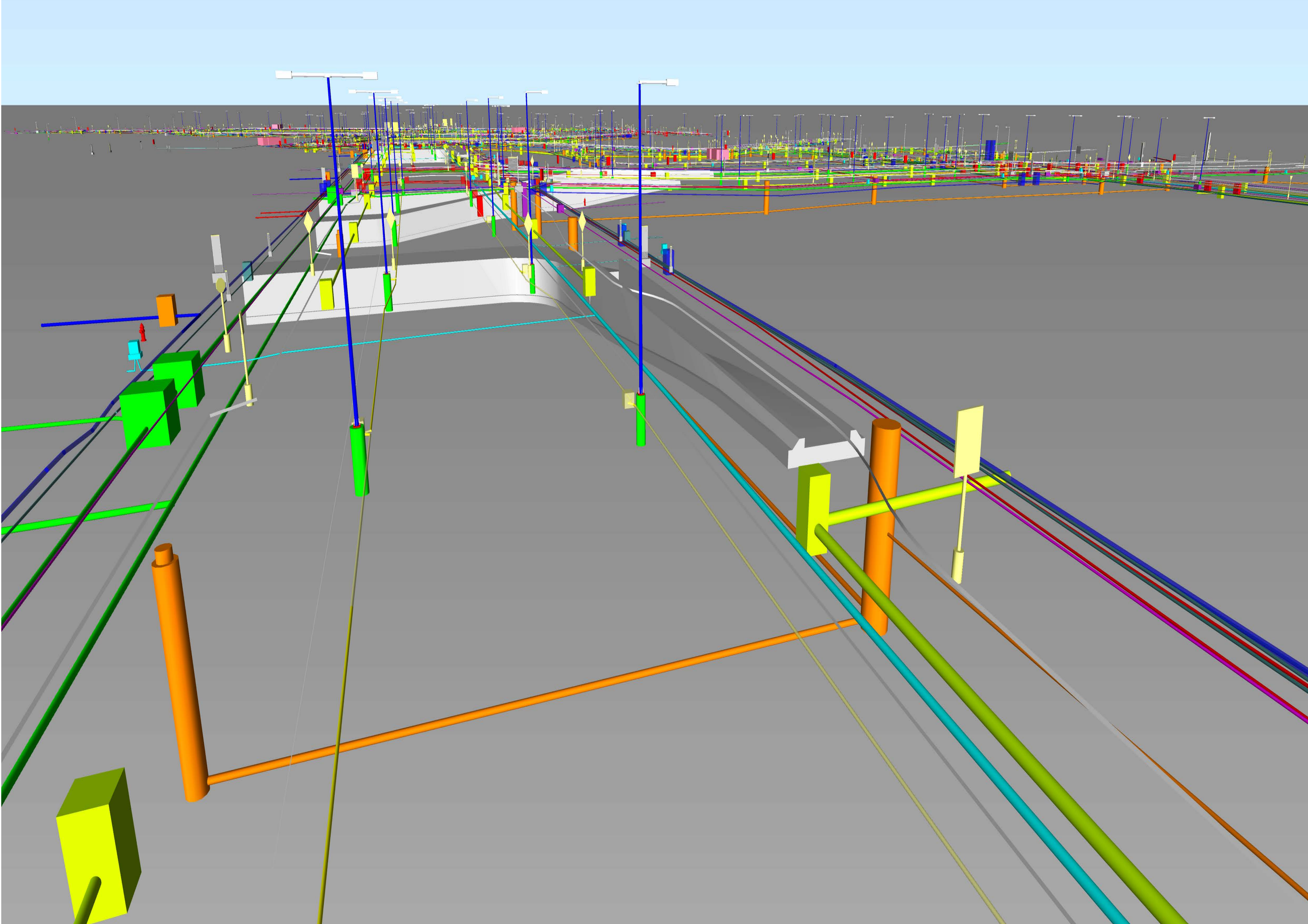
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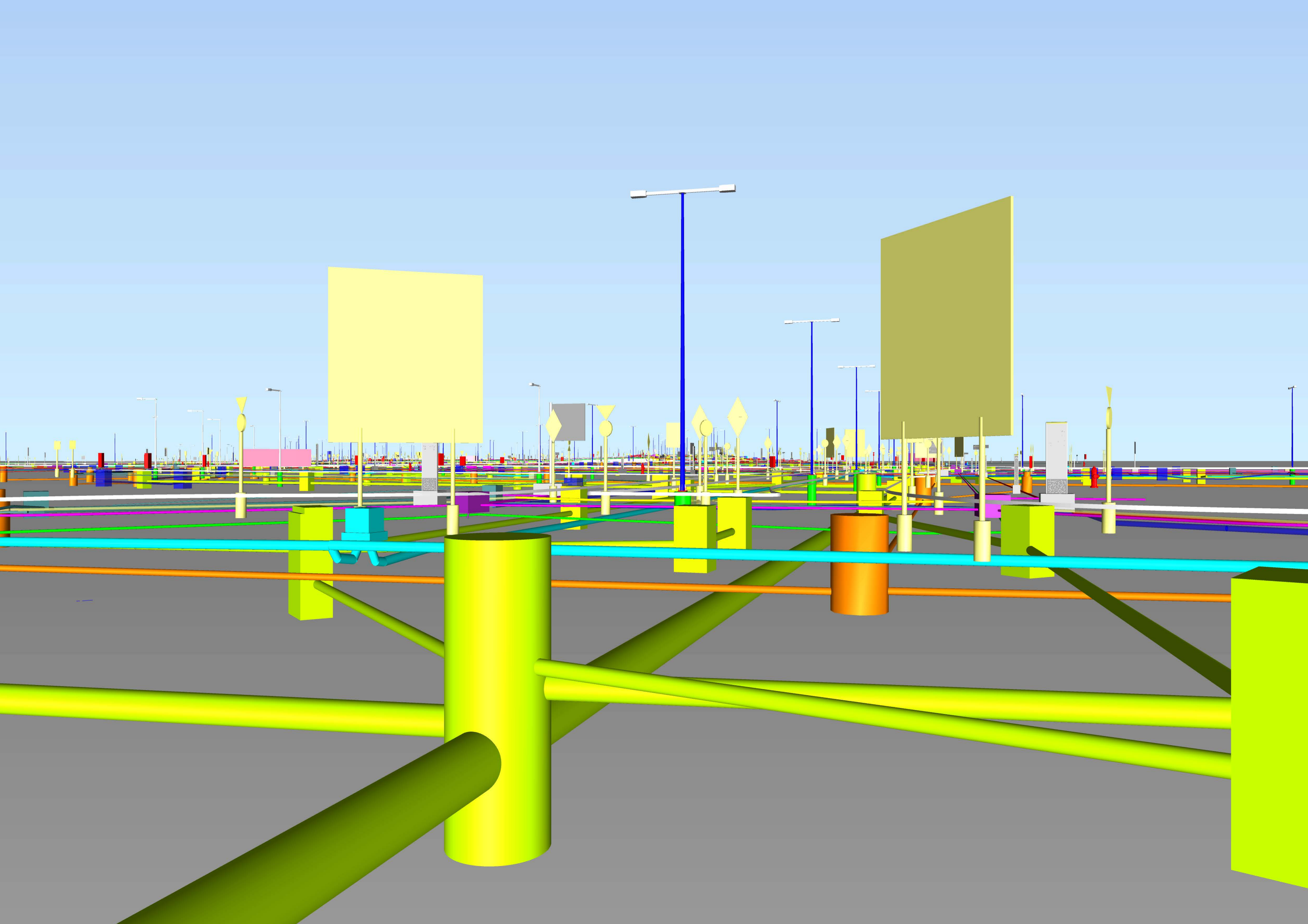


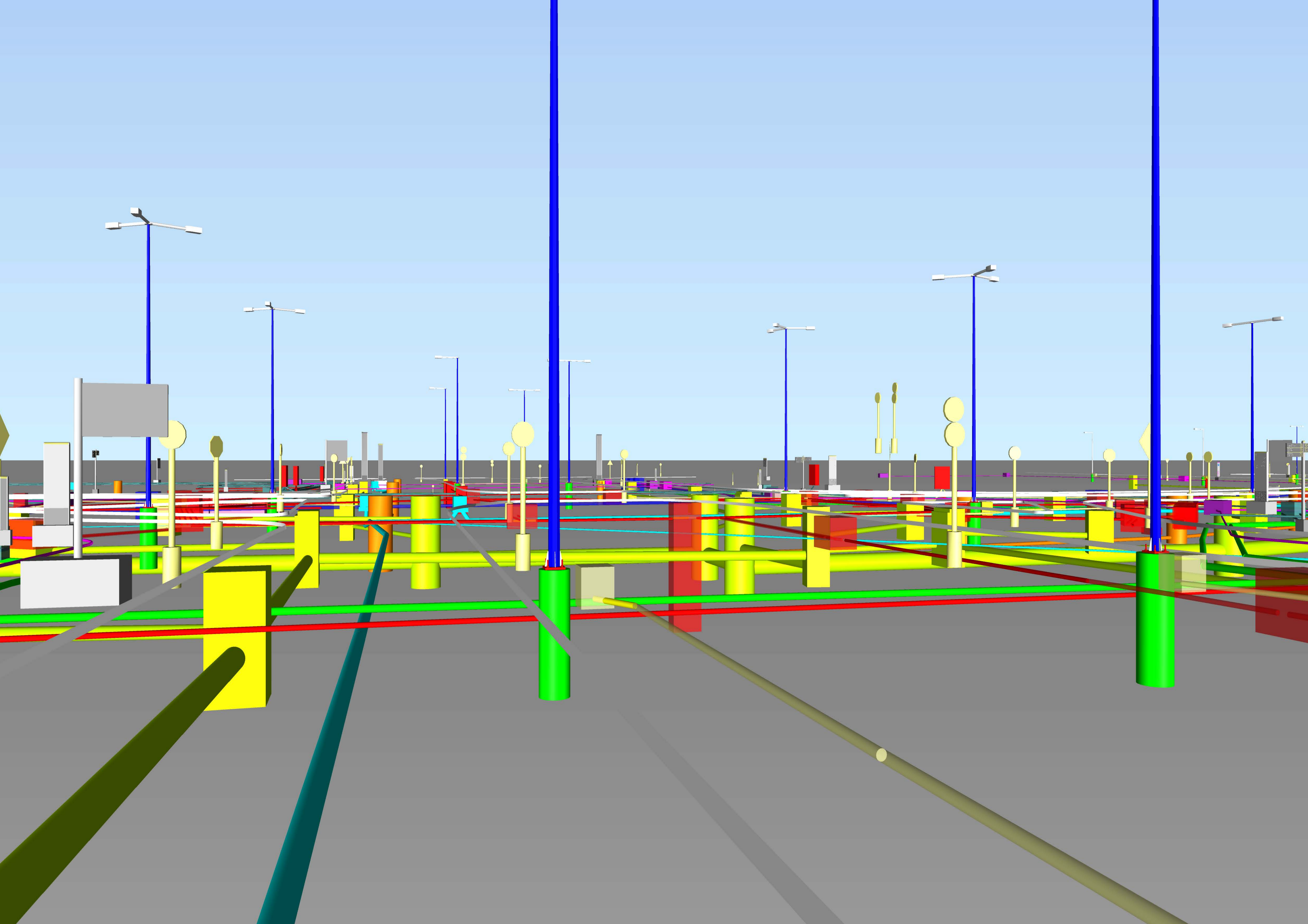


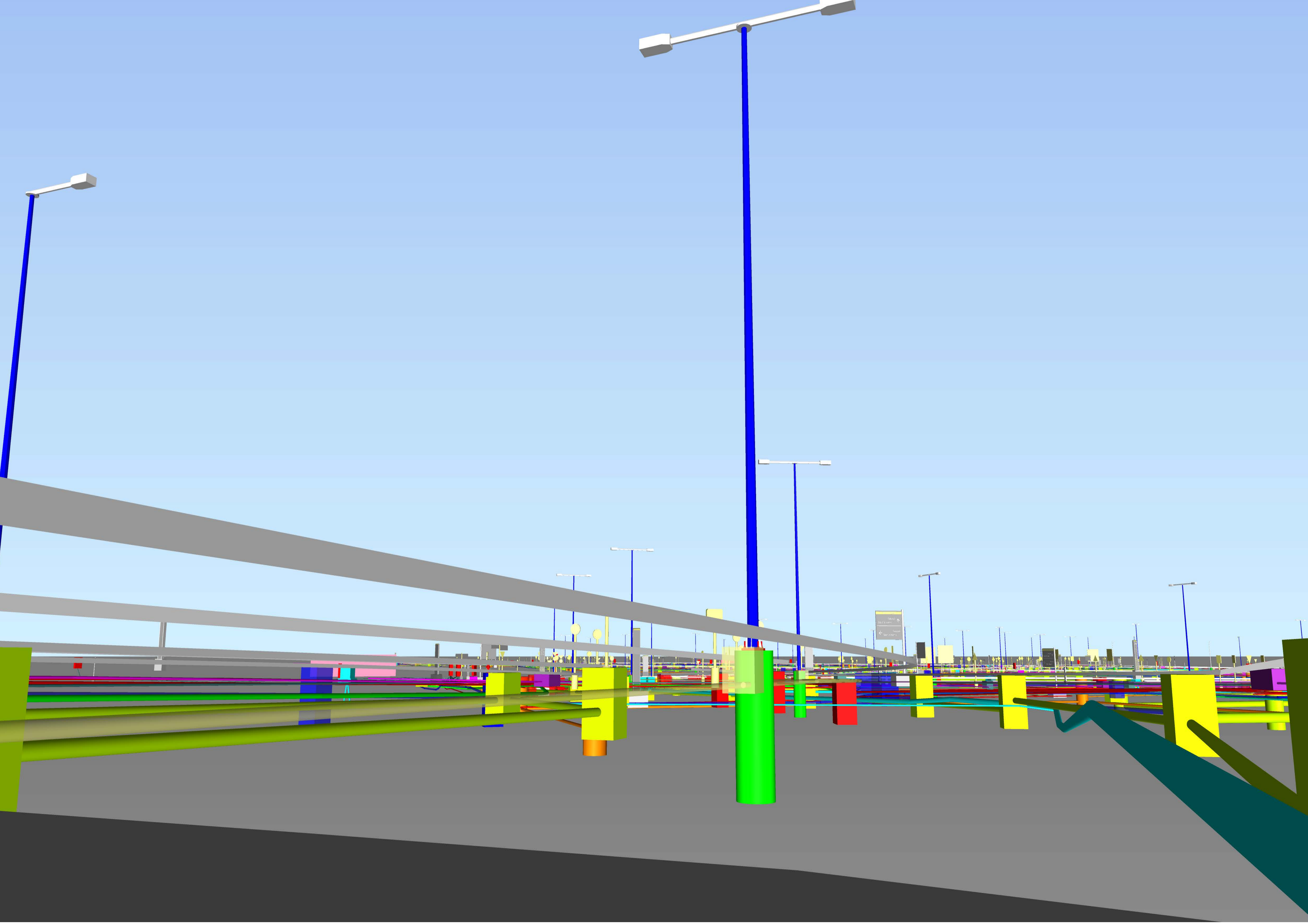












THANK YOU