

Notes:

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- AIR VALVE AND ISOLATION VALVE TO BE SIZED BY CONTRACTOR.
- ACCESS HATCH/COVER TO BE SITUATED TO FACILITATE ACCESS ONTO STEP IRONS.
- ALL FLANGED PIPEWORK TO INCLUDE THRUST RESTRAINT. TO BE DESIGNED BY THE CONTRACTOR.

Reference drawings:

- 32105801-850-07300 - Typical line valve arrangement (incl. 2 air valves)
- 32105801-850-7301 - Typical line valve arrangement (no air valves)
- 32105801-850-07302 - Typical line valve arrangement featuring 1 air valve upstream of line valve
- 32105801-850-07303 - Typical line valve arrangement (incl. 1 air valve downstream)
- 32105801-850-07304 - Typical air valve arrangement
- 32105801-850-07305 - Typical washout valve arrangement
- 32105801-850-07309 - Cathodic protection arrangement and telemetry mast detail

Item No.	Dia.	Mat.	Description
1	500	DI	DN1600-500 Invert Level Tee
2	500	DI	Dismantling Joint
3	500	DI	Gate Valve
4	500	DI	All Flanged Tee
5	500	DI	Double Flanged Piece
6	500	DI	Double Flanged Piece
7	500	DI	Double Flanged Piece
8	500	DI	90° Flanged Bend
9	500	DI	Blank Flange
10	500	DI	Blank Flange with Bauer Coupling (Female)
11	500	DI	Flange-Socket Piece
12	500	DI	Rocker Pipe

Rev	Description	Drawn	Chk'd	App'd.	App'd.	Date
F02	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.2025
F01	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.2025

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Tionscadal Soláthair Uisce
 Water Supply Project
 Uisce ÉIREANN
 COLVILL HOUSE,
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JACOBS TOBIN

Originated By	Drawn By	Checked By	Approved By
NT	PC	MG	SW
Date	Date	Date	Date
05.10.20	01.12.2025	01.12.2025	01.12.2025

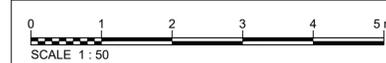
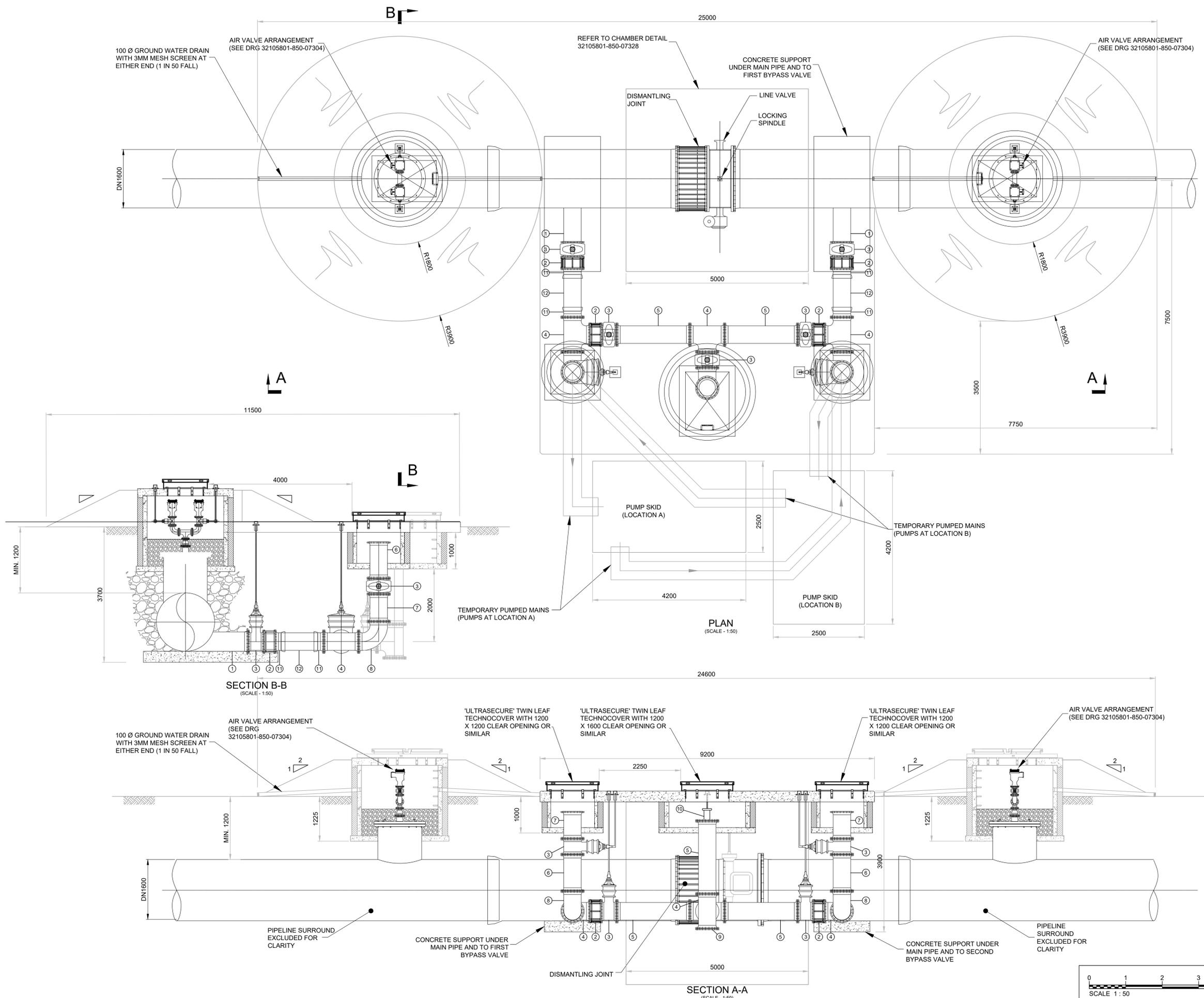
Scale: 1:50 @ A1
DO NOT SCALE

Project Title
**WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION**

Drawing Title
**PROPOSED TYPICAL LINE VALVE ARRANGEMENT
(INCL. 2 AIR VALVES)**

Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 | Client No. 9318

Drawing No.
32105801-850-07300



NOTES:

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4. ALL SOCKET AND SPIGOT JOINTS TO BE FITTED WITH ANCHOR GASKETS.
5. AIR VALVE AND ISOLATION VALVE TO BE SIZED BY CONTRACTOR.
6. ACCESS HATCH/COVER TO BE SITUATED TO FACILITATE ACCESS ONTO STEP IRONS.
7. ALL FLANGED PIPEWORK TO INCLUDE THRUST RESTRAINT. TO BE DESIGNED BY THE CONTRACTOR.

Reference drawings:

- A) 32105801-850-07300 - Typical line valve arrangement (incl. 2 air valves)
- B) 32105801-850-07301 - Typical line valve arrangement (no air valves)
- C) 32105801-850-07302 - Typical line valve arrangement featuring 1 air valve upstream of line valve
- D) 32105801-850-07303 - Typical line valve arrangement (incl. 1 air valve downstream)
- E) 32105801-850-07304 - Typical air valve arrangement
- F) 32105801-850-07305 - Typical washout valve arrangement
- G) 32105801-850-07309 - Cathodic protection arrangement

Pipe Fittings			
Item No.	Dia.	Mat.	Description
1	500	DI	DN1600-500 Invert Level Tee
2	500	DI	Dismantling Joint
3	500	DI	Gate Valve
4	500	DI	All Flanged Tee
5	500	DI	Double Flanged Piece
6	500	DI	Double Flanged Piece
7	500	DI	Double Flanged Piece
8	500	DI	90° Flanged Bend
9	500	DI	Blank Flange
10	500	DI	Blank Flange with Bauer Coupling (Female)
11	500	DI	Flange-Socket Piece
12	500	DI	Rocker Pipe

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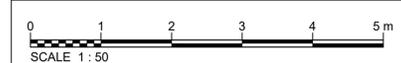
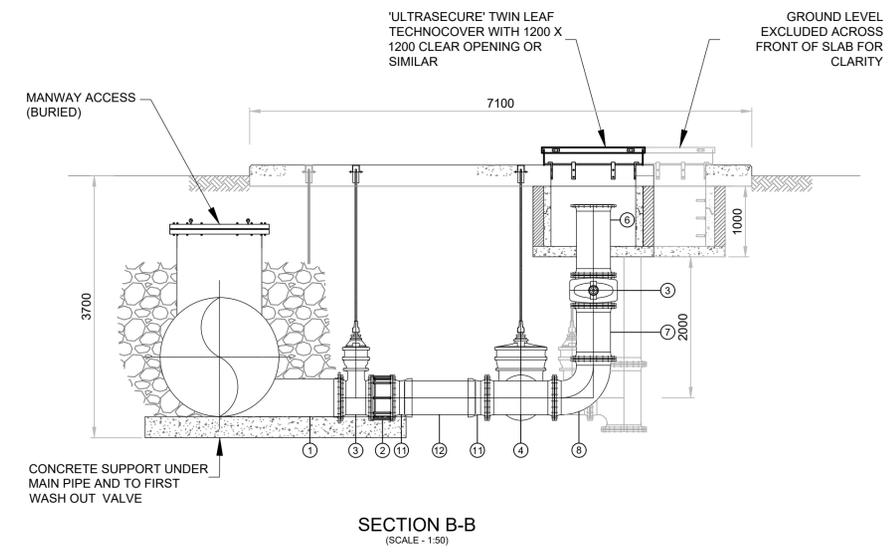
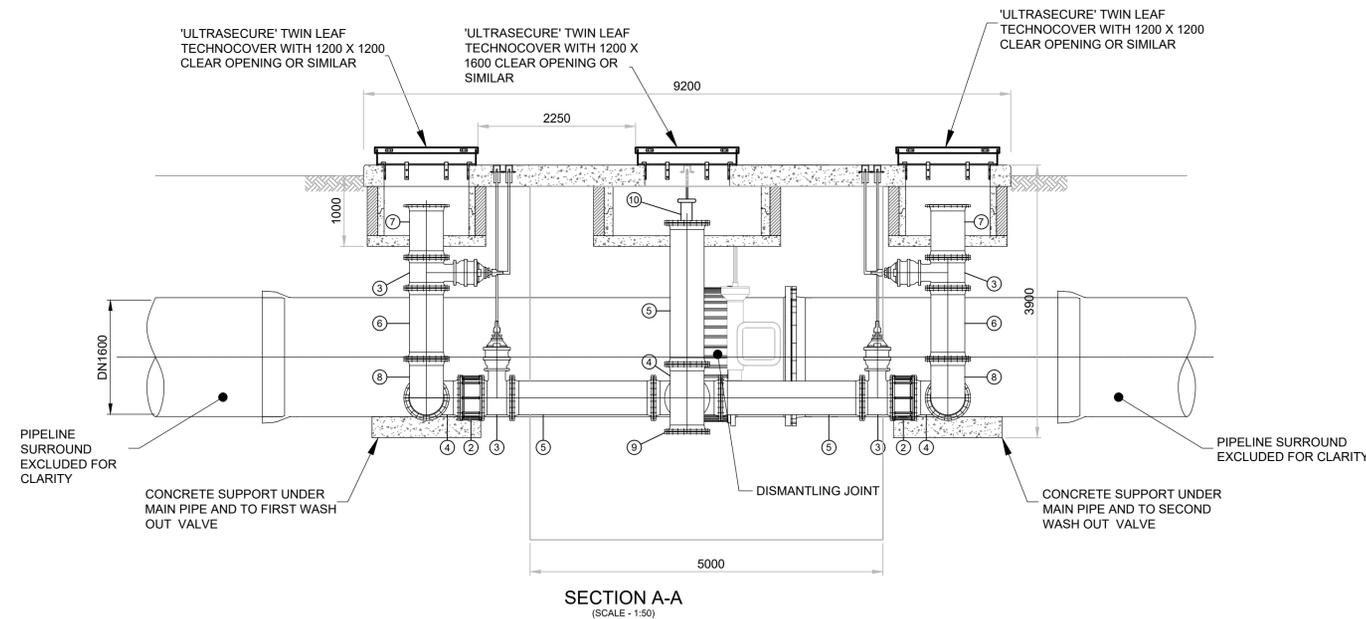
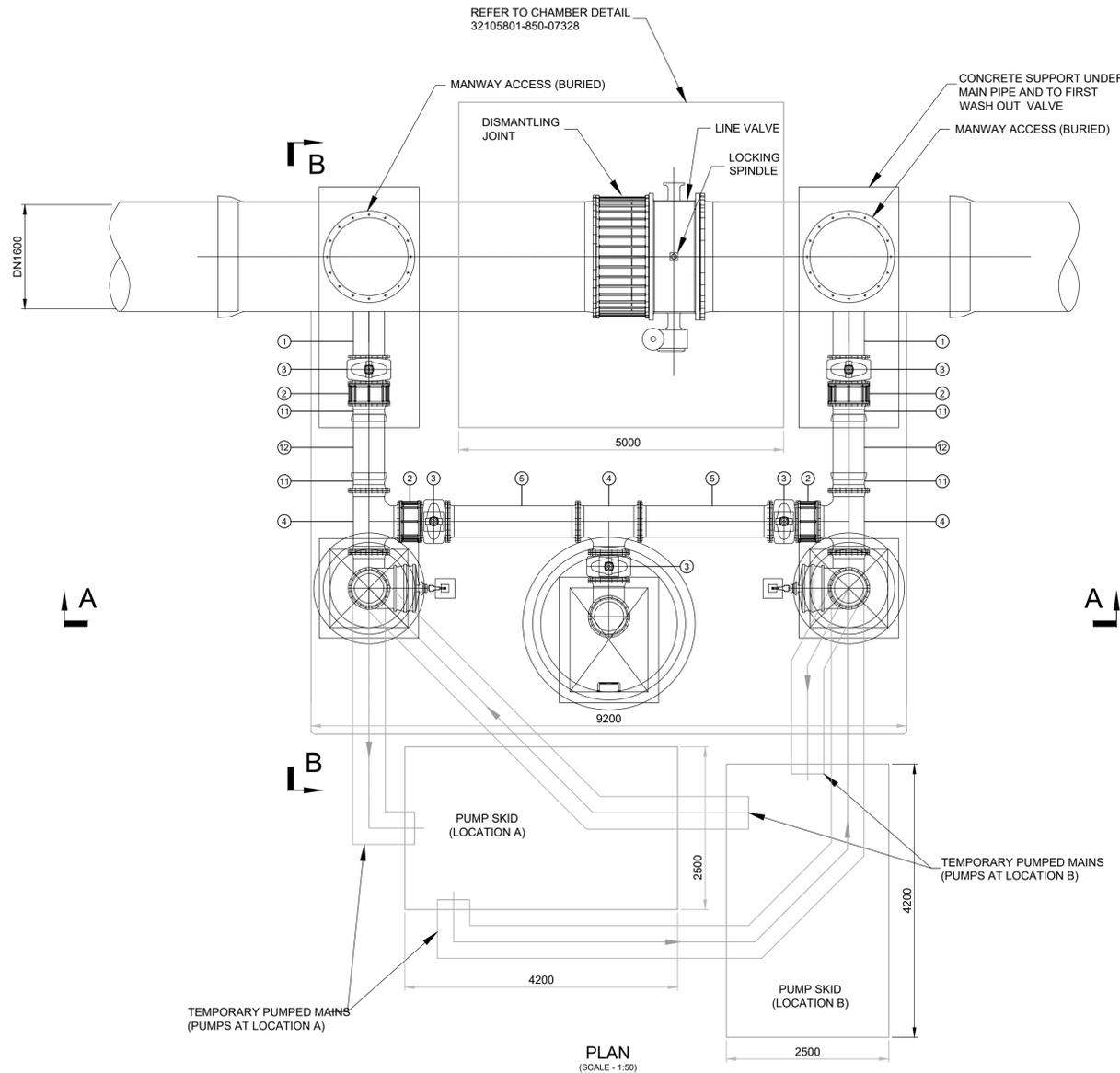
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DO NOT SCALE

Project Title
**WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION**

Drawing Title
**PROPOSED TYPICAL LINE VALVE ARRANGEMENT
(NO AIR VALVES)**

Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 | Client No. 9318

Drawing No.
32105801-850-07301



NOTES:

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Reference drawings:

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- 32105801-850-07301 - Typical line valve arrangement (no air valves)
- 32105801-850-07302 - Typical line valve arrangement featuring 1 air valve upstream of line valve
- 32105801-850-07303 - Typical line valve arrangement (incl. 1 air valve downstream)
- 32105801-850-07304 - Typical air valve arrangement
- 32105801-850-07305 - Typical washout valve arrangement
- 32105801-850-07309 - Cathodic protection arrangement

Pipe Fittings			
Item No.	Dia.	Mat.	Description
1	500	DI	DN1600-500 Invert Level Tee
2	500	DI	Dismantling Joint
3	500	DI	Gate Valve
4	500	DI	All Flanged Tee
5	500	DI	Double Flanged Piece
6	500	DI	Double Flanged Piece
7	500	DI	Double Flanged Piece
8	500	DI	90° Flanged Bend
9	500	DI	Blank Flange
10	500	DI	Blank Flange with Bauer Coupling (Female)
11	500	DI	Flange-Socket Piece
12	500	DI	Rocker Pipe

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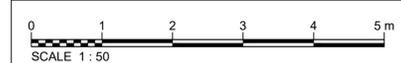
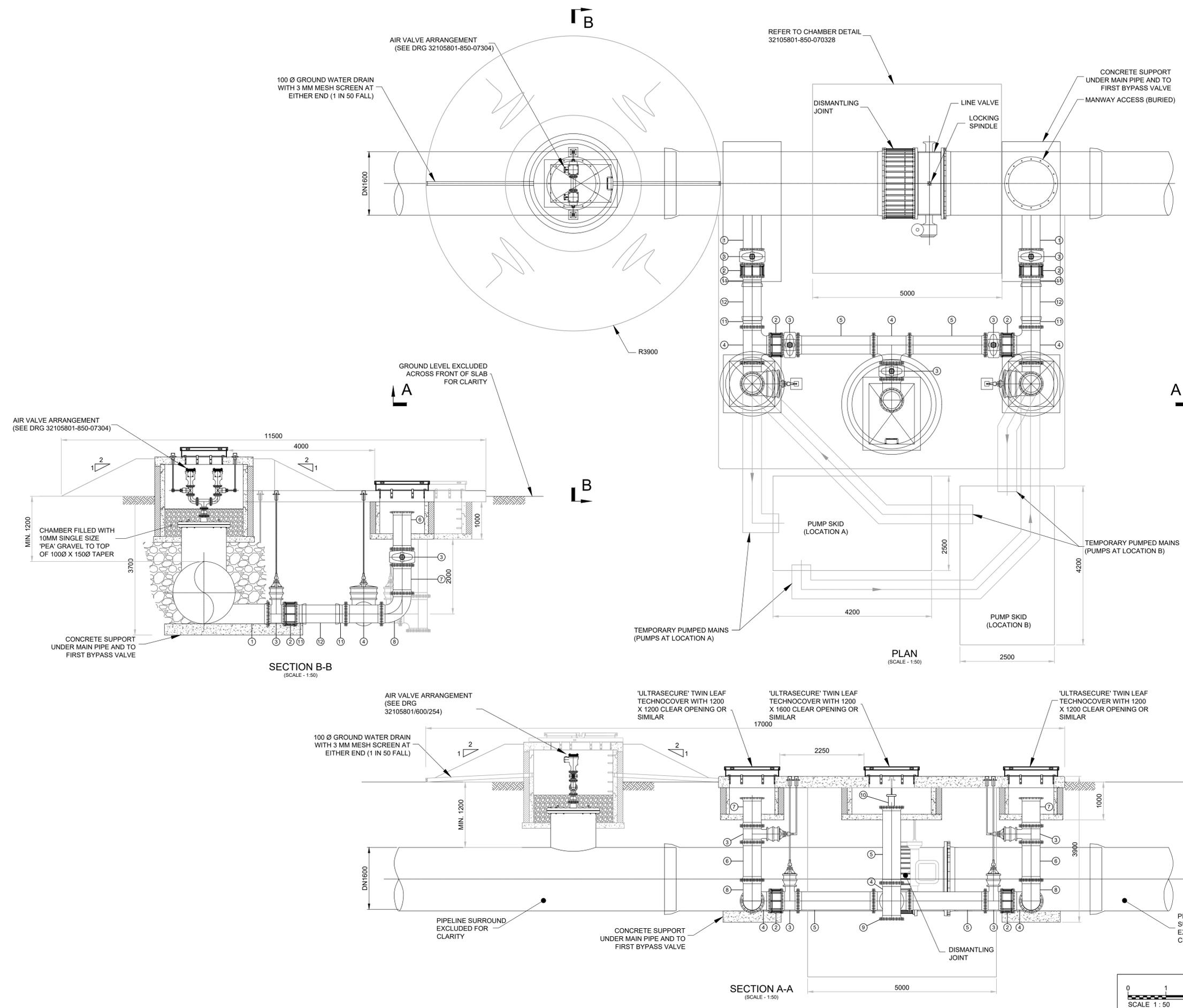
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Project Title
**WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION**

Drawing Title
**PROPOSED TYPICAL LINE VALVE ARRANGEMENT
FEATURING 1 AIR VALVE UPSTREAM
OF LINE VALVE**

Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 | Client No. 9318

Drawing No.
32105801-850-07302



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- 32105801-850-07301 - Typical line valve arrangement (no air valves)
- 32105801-850-07302 - Typical line valve arrangement featuring 1 air valve upstream of line valve
- 32105801-850-07303 - Typical line valve arrangement (incl. 1 air valve downstream)
- 32105801-850-07304 - Typical air valve arrangement
- 32105801-850-07305 - Typical washout valve arrangement
- 32105801-850-07309 - Cathodic protection arrangement

Pipe Fittings			
Item No.	Dia.	Mat.	Description
1	500	DI	DN1600-500 Invert Level Tee
2	500	DI	Dismantling Joint
3	500	DI	Gate Valve
4	500	DI	All Flanged Tee
5	500	DI	Double Flanged Piece
6	500	DI	Double Flanged Piece
7	500	DI	Double Flanged Piece
8	500	DI	90° Flanged Bend
9	500	DI	Blank Flange
10	500	DI	Blank Flange with Bauer Coupling (Female)
11	500	DI	Flange-socket Piece
12	500	DI	Rocker Pipe

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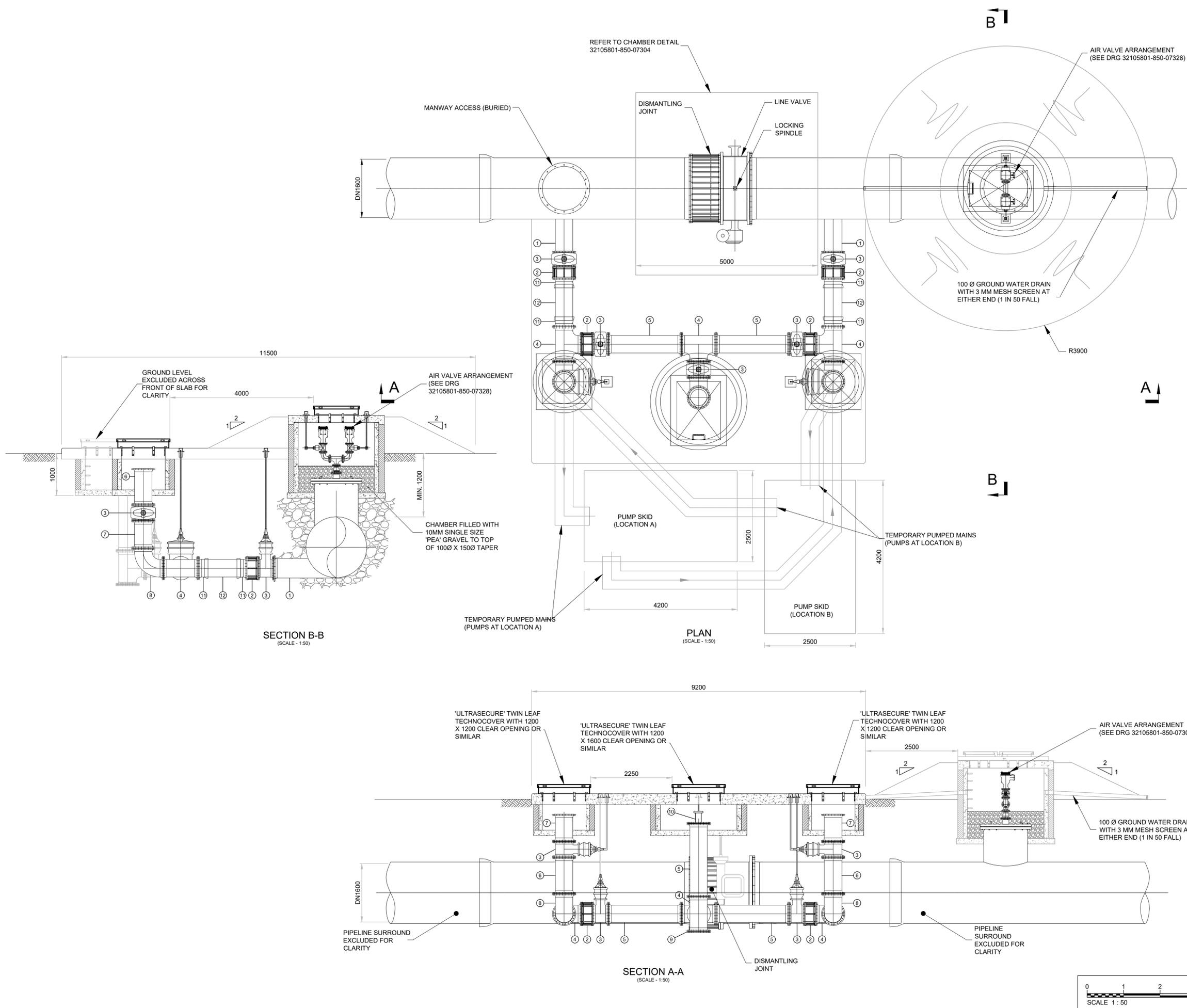
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Project Title
**WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION**

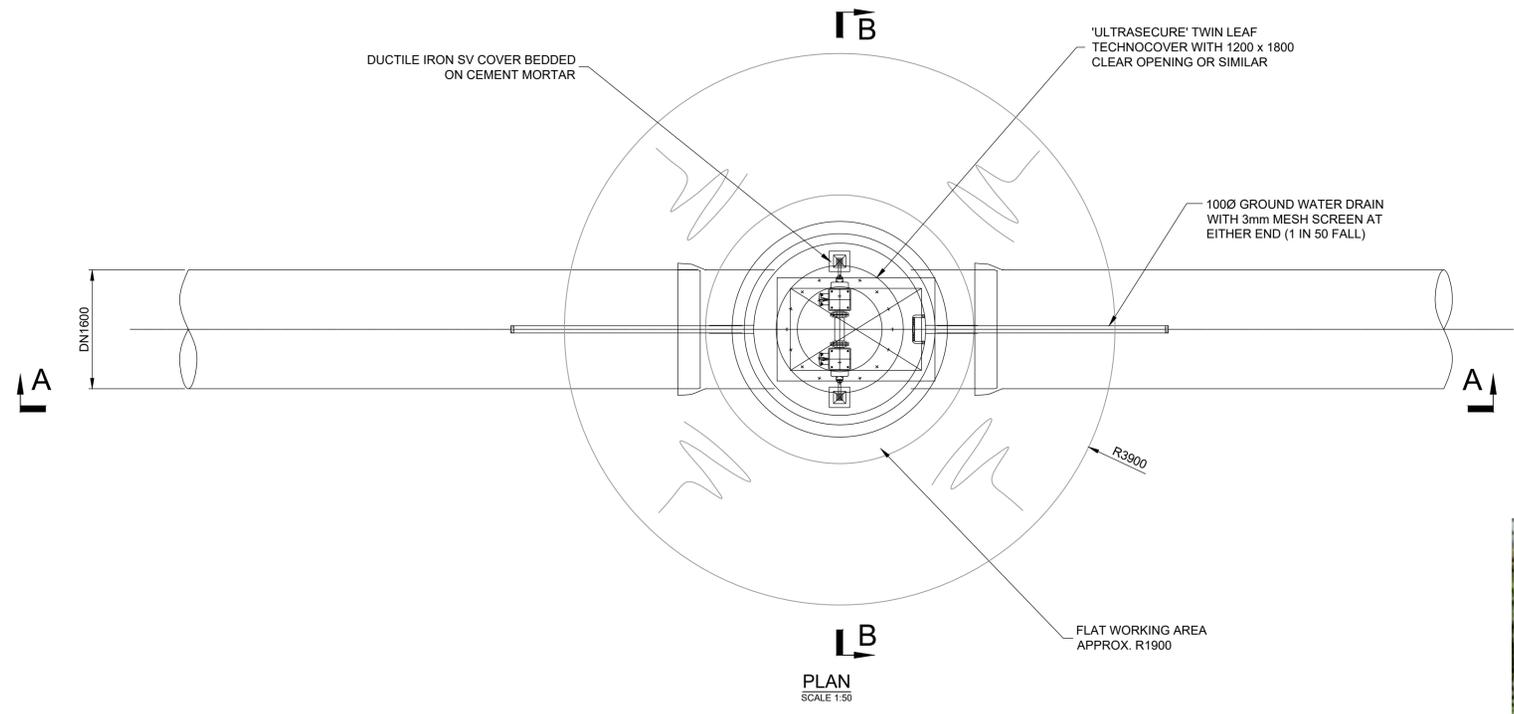
Drawing Title
**PROPOSED TYPICAL LINE VALVE ARRANGEMENT
FEATURING 1 AIR VALVE DOWNSTREAM
OF LINE VALVE**

Drawing Status FINAL FOR PLANNING	Jacobs Tobin No. 32105801	Client No. 9318
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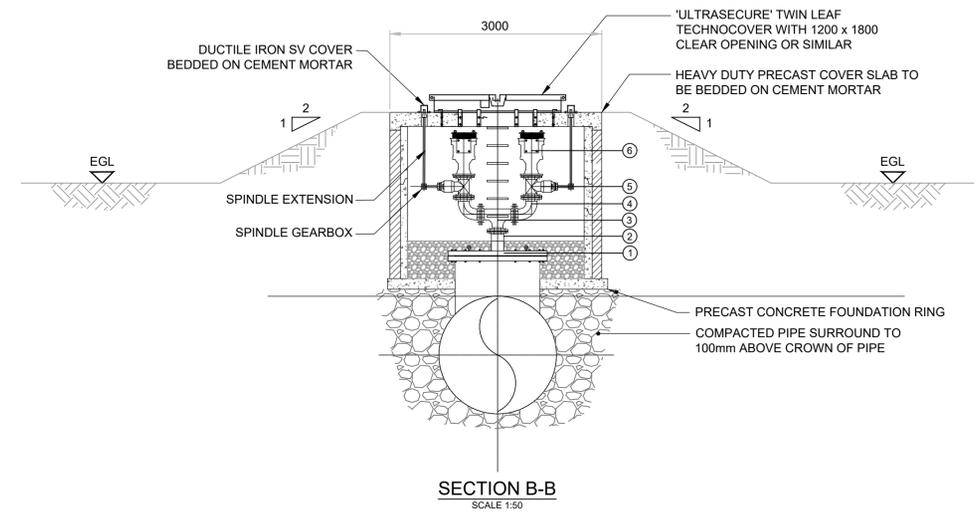
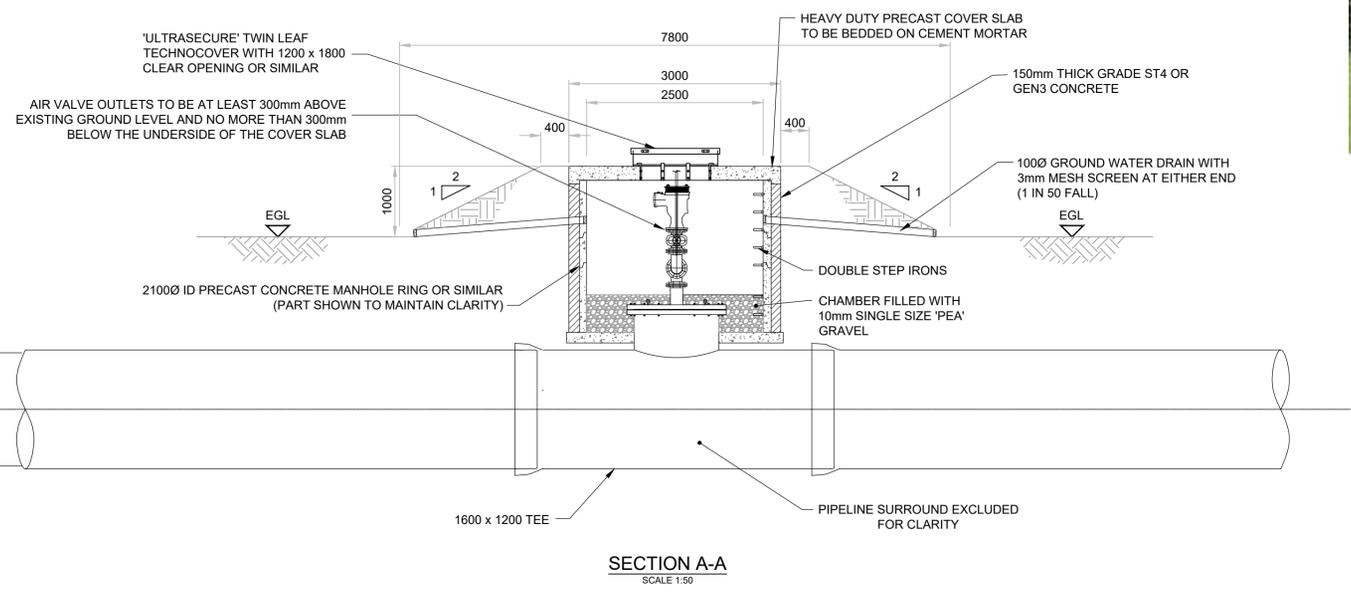
Drawing No.
32105801-850-07303



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View of Existing Typical Air Valve Arrangement



PIPE FITTINGS			
ITEM NO.	DIA.	MAT.	DESCRIPTION
1	1200 - 200	DI	DN150 FLANGED UPSTAND WELDED TO DN1200 BLANK FLANGE
2	200	DI	200 RISER CUT TO SUIT
3	200	DI	ALL FLANGED TEE
4	200	DI	90° FLANGED BEND
5	200	DI	GATE VALVE
6	200	DI	DOUBLE ORIFICE AIR VALVE

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 DUBLIN 1,
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 Call 1890 278 278
 Int: 00 353 1 707 2828

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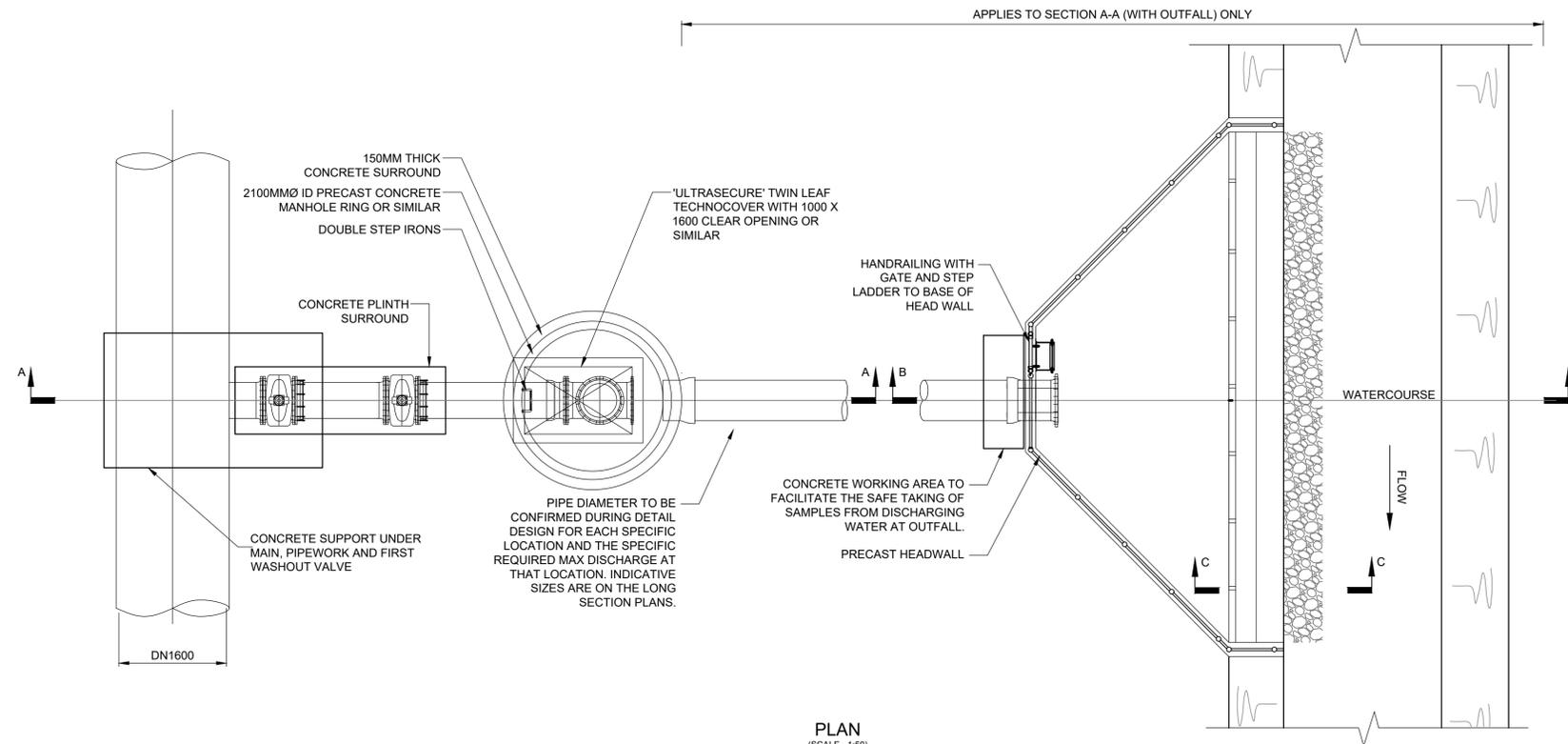
Project Title
**WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION**

Drawing Title
PROPOSED TYPICAL AIR VALVE ARRANGEMENT

Drawing Status: **FINAL FOR PLANNING**
 Jacobs Tobin No. 32105801 Client No. 9318

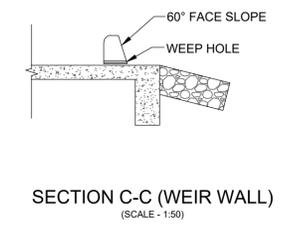
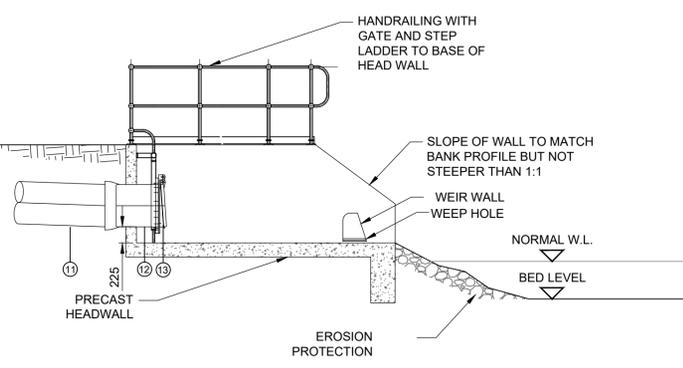
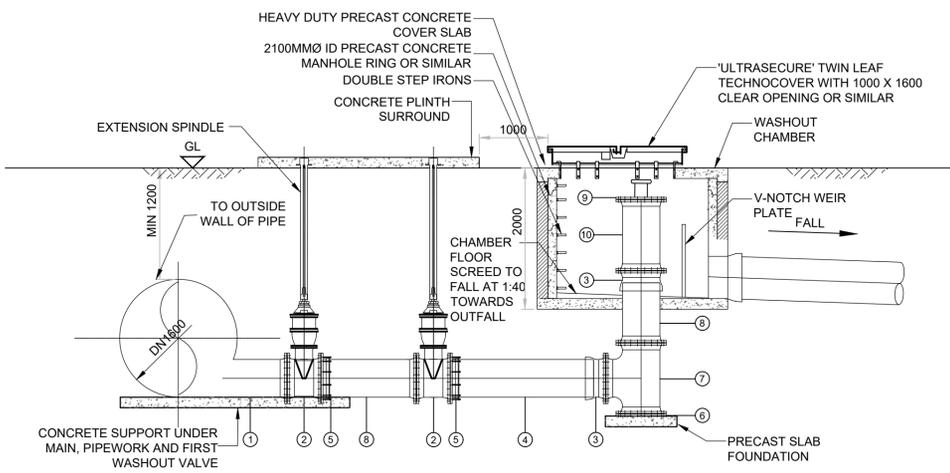
Drawing No.
32105801-850-07304





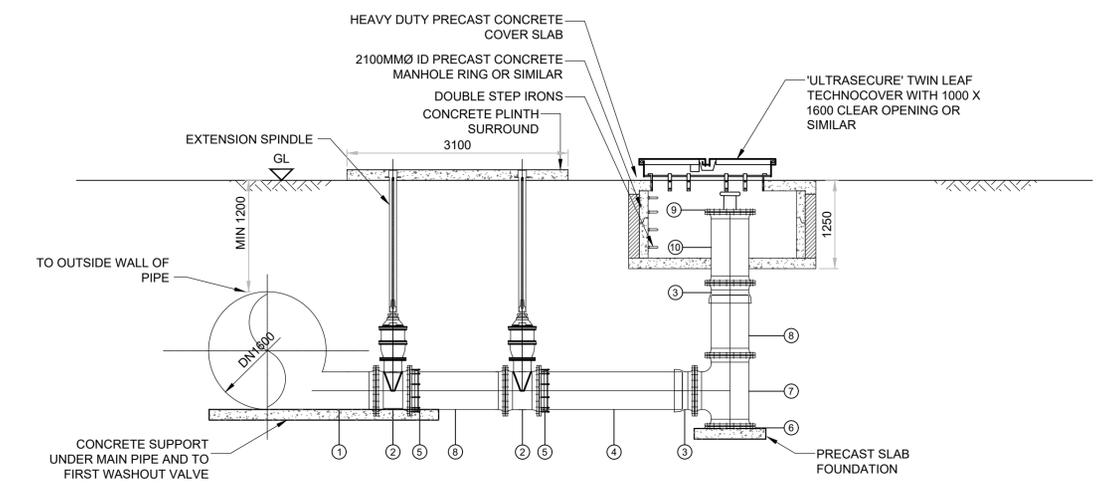
ITEM NO.	DIA.	MAT.	DESCRIPTION
1	500	DI	DN2000-500 INVERT LEVEL TEE
2	500	DI	GATE VALVE (WITH EXTENSION SPINDLE)
3	500	DI	FLANGE-SOCKET PIECE
4	500	DI	DOUBLE SPIGOT PIECE (CUT TO SUIT)
5	500	DI	FLANGE ADAPTOR
6	500	DI	BLANK FLANGE
7	500	DI	ALL FLANGED TEE
8	500	DI	FLANGE-SPIGOT PIECE (CUT TO SUIT)
9	500	DI	BLANK FLANGE WITH BAUER COUPLING (FEMALE)
10	500	DI	DOUBLE FLANGED PIECE (1m LONG)
11	TBC	DI	SOCKET-SPIGOT PIECE(S) - AS REQUIRED TO REACH OUTFALL LOCATION
12	TBC	DI	FLANGE-SOCKET PIECE (CUT TO SUIT)
13	TBC	DI	FLAP VALVE

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 - ALL SOCKET AND SPIGOT JOINTS TO BE FITTED WITH ANCHOR GASKETS.
 - ALL CONCRETE TO BE GRADE ST4 OR GEN 3 UNLESS STATED OTHERWISE.



SECTION A-A (WASHOUT "WA" WITH OUTFALL)
(SCALE - 1:50)

SECTION B-B (WASHOUT "WA" WITH OUTFALL)
(SCALE - 1:50)



SECTION A-A (WASHOUT "WB" WITH OUTFALL)
(SCALE - 1:50)

HEADWALL AND PIPE SIZES

WASHOUT DESIGN FLOW (l/s)	PIPE SIZE (mm)	HEADWALL DIMENSION (mm)			HEADWALL TYPE
		A	B	C	
<50	300	1500	2000	3000	1
50 to 70	400	1600	2000	4000	2
75 to 120	500	1700	2500	6000	3
125 to 160	600	1800	3000	8000	4
170 to 200	800	2000	4000	10000	5

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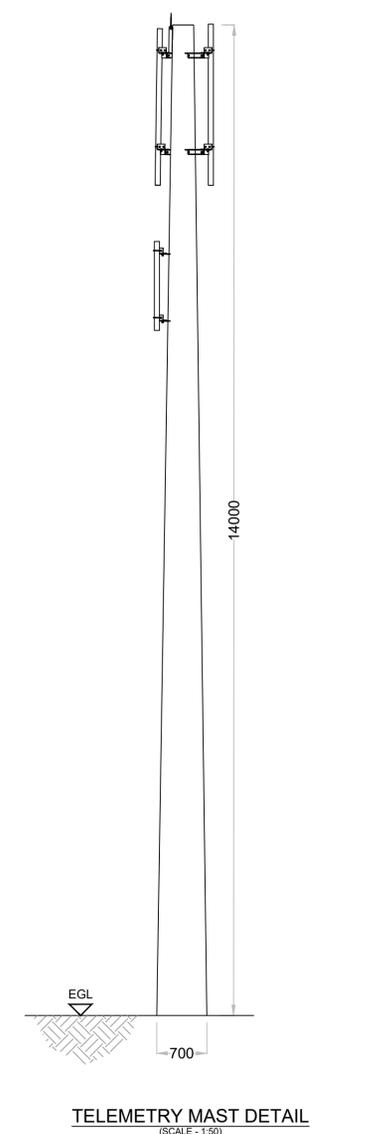
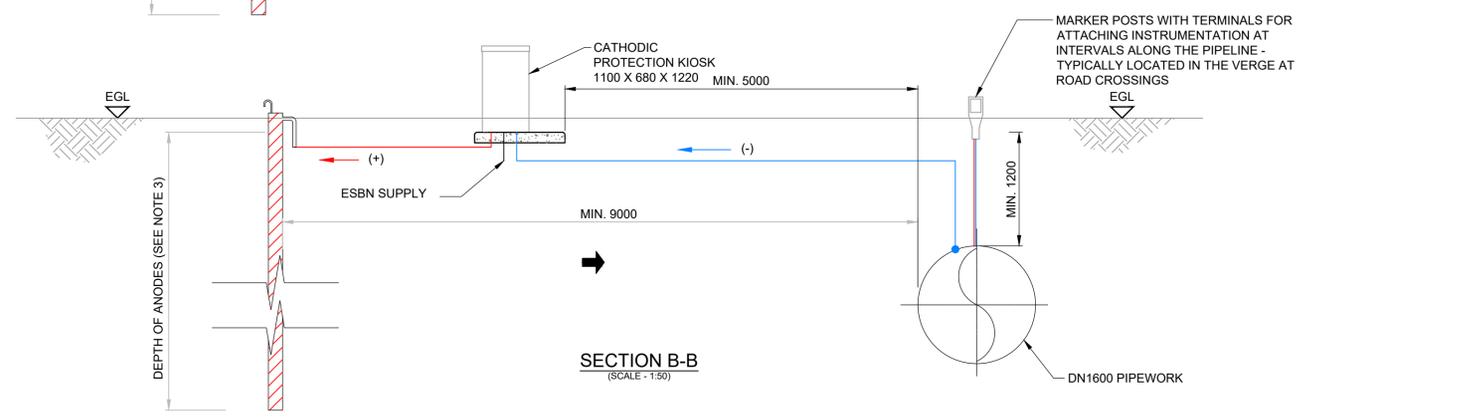
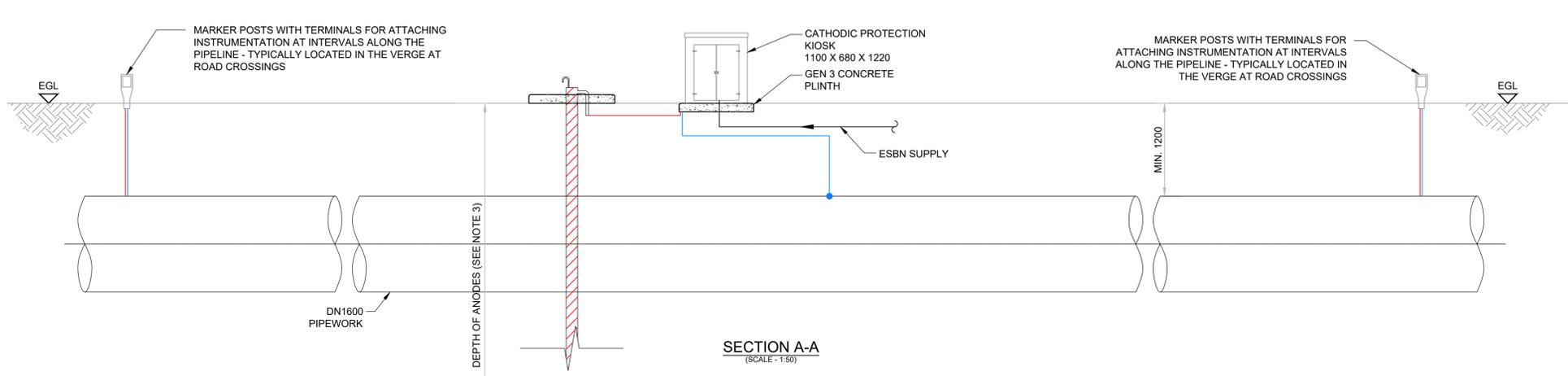
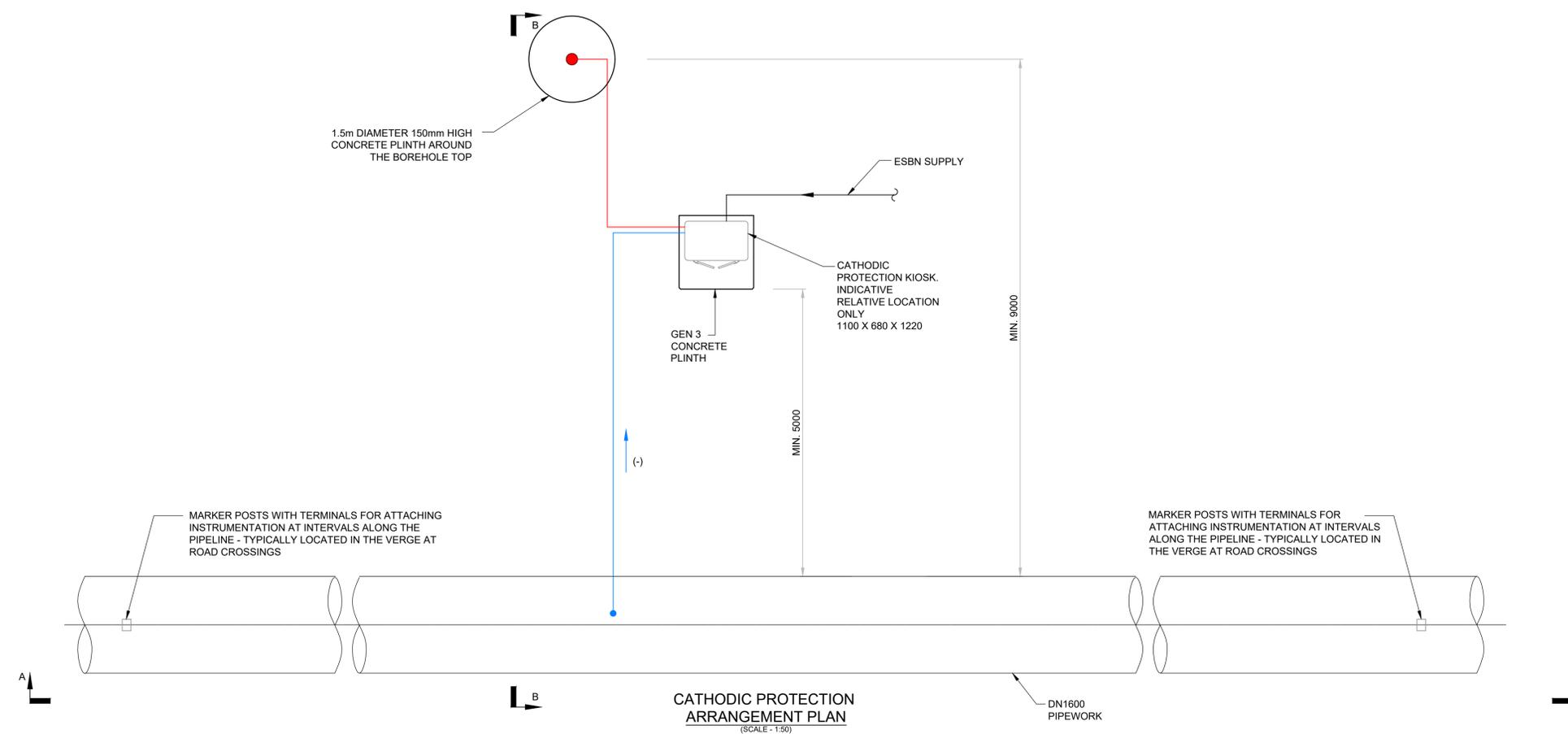
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Project Title			
WATER SUPPLY PROJECT EASTERN AND MIDLANDS REGION			
Drawing Title			
PROPOSED TYPICAL WASHOUT VALVE ARRANGEMENT			
Drawing Status: FINAL FOR PLANNING			
Jacobs Tobin No. 32105801		Client No. 9318	
Drawing No. 32105801-850-07305			



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 - NUMBER, DEPTH & SPACING OF ANODES TO BE DETERMINED ONCE THE RESISTIVITY OF THE GROUND AT EACH LOCATION HAS BEEN DETERMINED THROUGH APPROPRIATE GROUND INVESTIGATION.
 - GROUND BEDS AND ASSOCIATED KIOSKS ARE TYPICALLY LOCATED AT LINE VALVE LOCATIONS TO ENABLE SHARING OF DNO POWER SUPPLY.
 - DIMENSIONS PROVIDED FOR KIOSKS ARE INDICATIVE.

- REFERENCE DRAWINGS:
- 32105801-850-07300 - TYPICAL LINE VALVE ARRANGEMENT (INCL. 2 AIR VALVES)
 - 32105801-850-07301 - TYPICAL LINE VALVE ARRANGEMENT (NO AIR VALVES)
 - 32105801-850-07302 - TYPICAL LINE VALVE ARRANGEMENT (FEATURING 1 AIR VALVE UPSTREAM OF THE LINE VALVE)
 - 32105801-850-07303 - TYPICAL LINE VALVE ARRANGEMENT (INCL. 1 AIR VALVE DOWNSTREAM)
 - 32105801-850-07304 - TYPICAL AIR VALVE ARRANGEMENT
 - 32105801-850-07305 - TYPICAL WASHOUT VALVE ARRANGEMENT
 - 32105801-850-07309 - CATHODIC PROTECTION ARRANGEMENT AND TELEMETRY MAST DETAIL

- LEGEND:
- (+) CABLE RUN (POSITIVE)
 - (-) CABLE RUN (NEGATIVE)



F02	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.2025
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 EASTERN AND MIDLANDS REGION

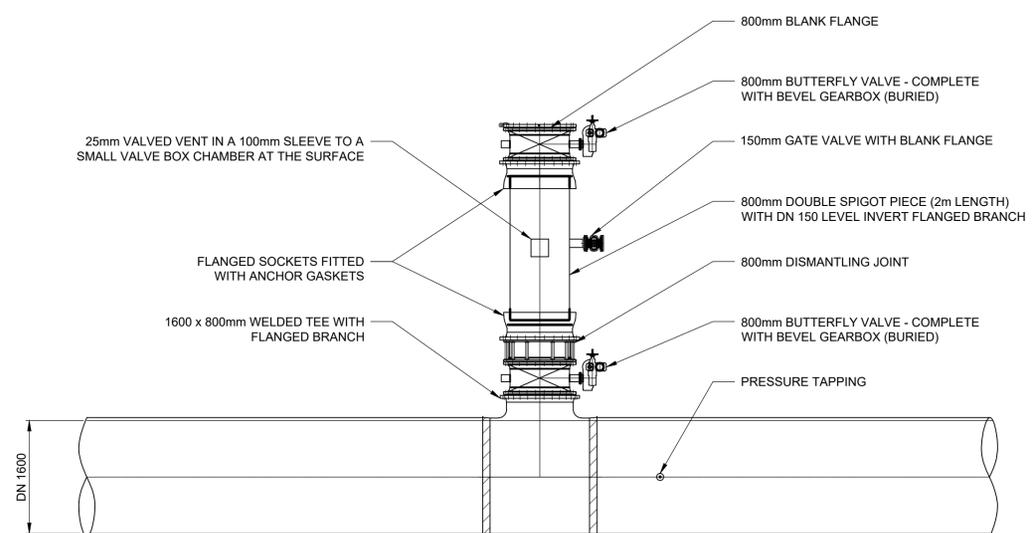
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 PROPOSED CATHODIC PROTECTION ARRANGEMENT
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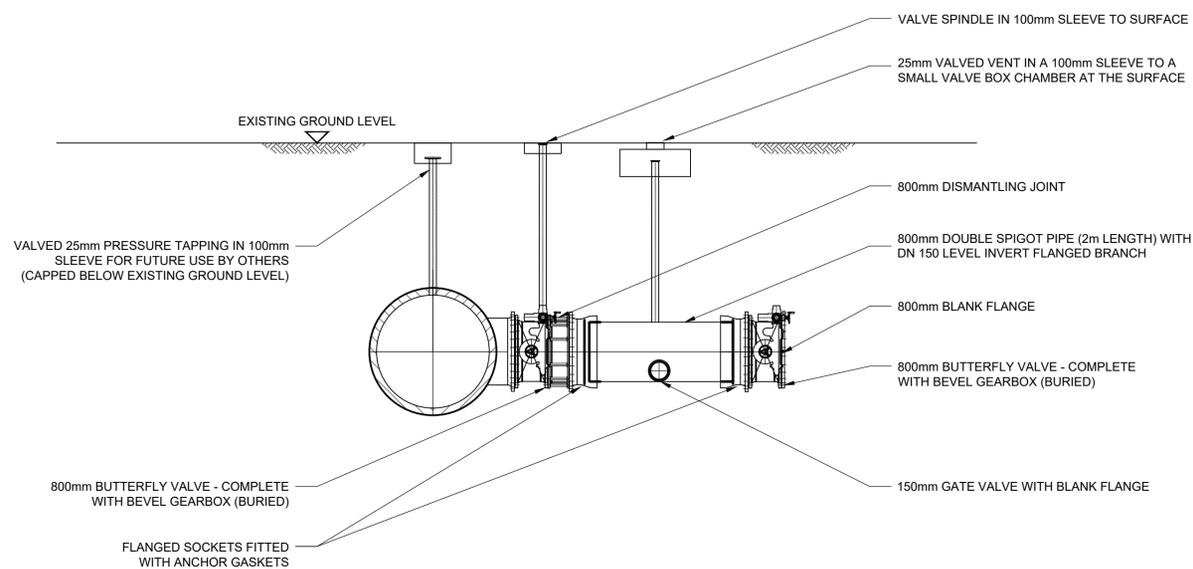
Drawing No.
32105801-850-07309



- NOTES:
1. DEPTH OF COVER WILL BE DETERMINED BY LONG SECTIONS OF 1600mm PIPELINE.
 2. DETAILED DESIGN TO CONSIDER ACTUATING ONE OR BOTH OF THE MAIN VALVES.



PIPELINE FUTURE CONNECTION POINT VALVE DETAIL
PLAN
 (SCALE- 1:50)



PIPELINE FUTURE CONNECTION POINT VALVE DETAIL
SECTION A-A
 (SCALE 1:50)

F02	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.25
F01	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.25
Rev	Description	Drawn	Check'd	Rev'd	App'd.	Date

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 IRELAND
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 Int: 00 353 1 707 2828

JACOBS TOBIN

Originated By NT	Drawn By PC	Checked By MG	Approved By SW
Date 06.10.2020	Date 01.12.2025	Date 01.12.2025	Date 01.12.2025

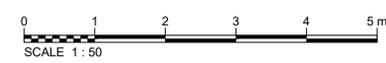
Scale: 1:50 @ A1 **DO NOT SCALE**

Project Title
 WATER SUPPLY PROJECT
 EASTERN AND MIDLANDS REGION

Drawing Title
 FUTURE CONNECTION POINT
 VALVE DETAIL

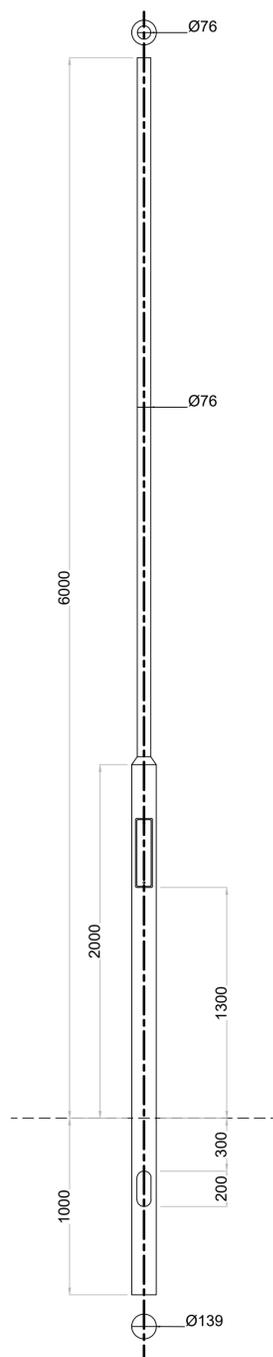
Drawing Status: FINAL FOR PLANNING
 Jacobs Tobin No. 32105801 | Client No. 9318

Drawing No.
32105801-850-07311

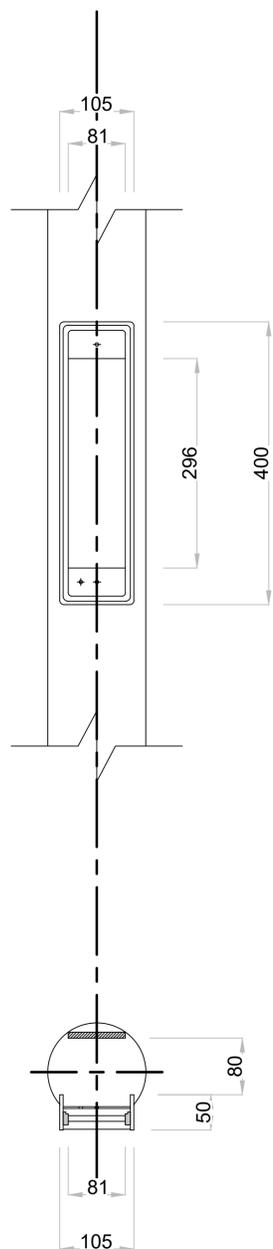


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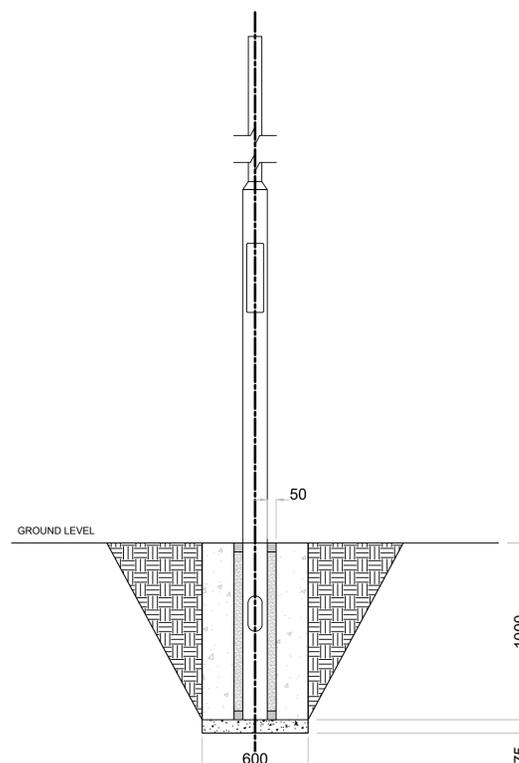
1. THIS DRAWING IS NOT TO BE SCALED. FIGURED DIMENSIONS ONLY TO BE TAKEN
2. ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS IN METRES UNLESS OTHERWISE STATED.
3. THIS DRAWING IS FOR PLANNING PURPOSES ONLY
4. THIS DRAWING IS DESIGNED TO ISO EN 40



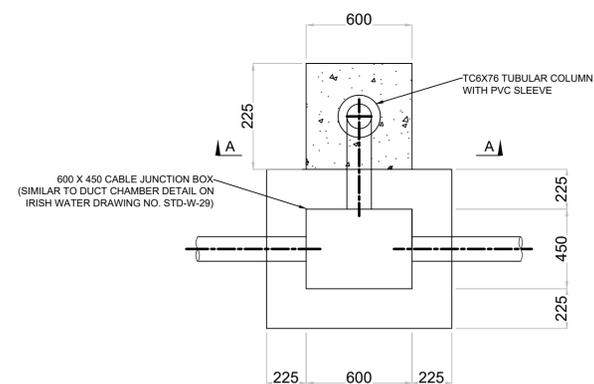
TUBULAR COLUMN TC6X76
(SCALE - 1:20)



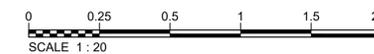
DOOR DETAIL
(SCALE - 1:5)



SECTION A-A
(SCALE - 1:20)



PLAN
(SCALE - 1:20)



F01	FINAL FOR PLANNING	MW	MG	MG	SW	Dec.25
Rev	Description	Drawn	Check'd	Rev'd	App'd.	Date

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Tionscadal Soláthair Uisce
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UISCE ÉIREANN
 COLVILL HOUSE,
 TALBOT STREET,
 DUBLIN 1,
 IRELAND
 Call 1890 278 278
 Int: 00 353 1 707 2828

JACOBS TOBIN

Originated By	Drawn By	Checked By	Approved By
	MW	MG	SW
Date	Date	Date	Date
01.12.2025	01.12.2025	01.12.2025	01.12.2025

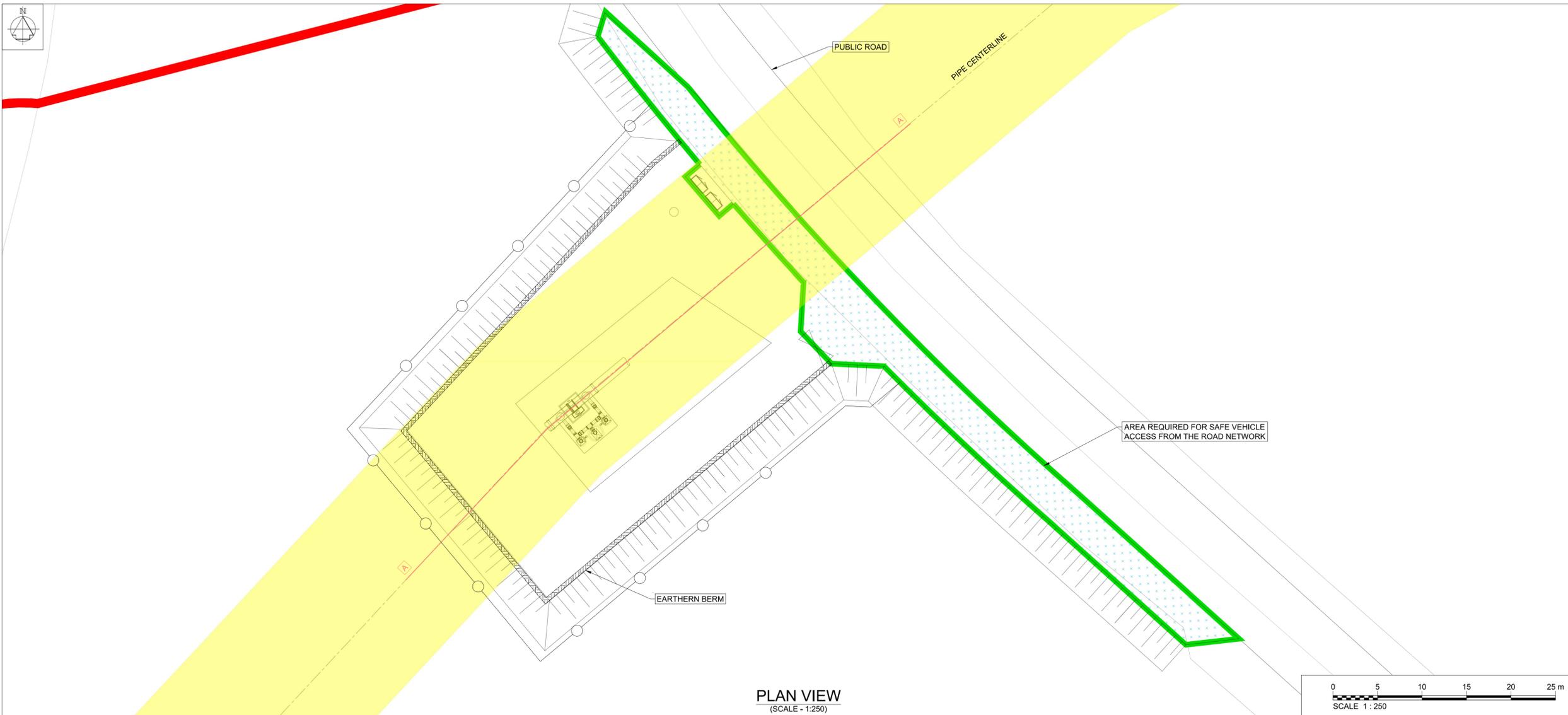
Scale: AS SHOWN @ A1 DO NOT SCALE

Project Title: WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

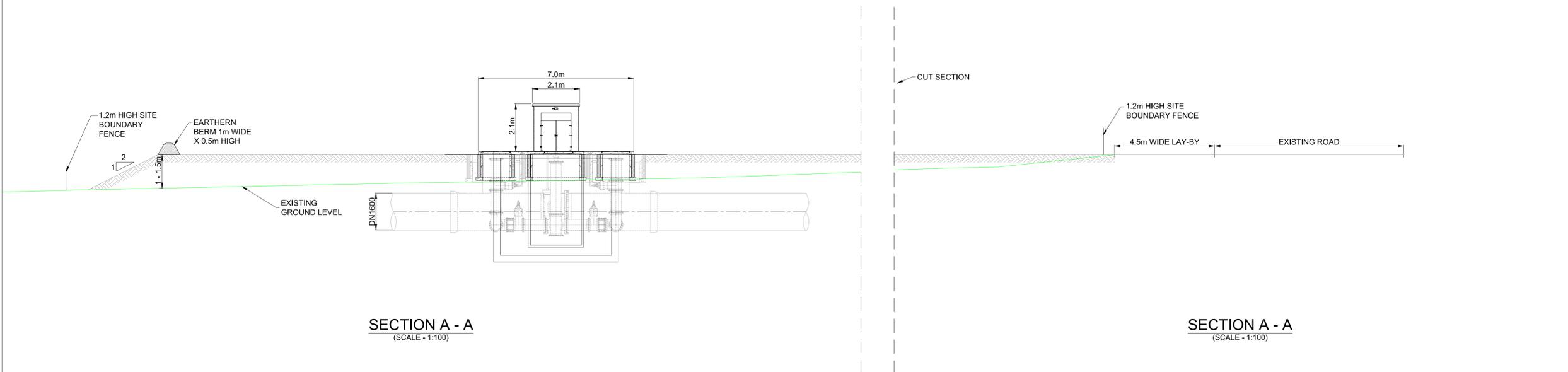
Drawing Title: CLOSED-CIRCUIT TELEVISION (CCTV) POLE

Drawing Status	FINAL FOR PLANNING
Jacobs Tobin No.	32105801
Client No.	9318

Drawing No. 32105801-850-07312



PLAN VIEW
(SCALE - 1:250)



SECTION A - A
(SCALE - 1:100)

SECTION A - A
(SCALE - 1:100)



- NOTES:
- DO NOT SCALE FROM THIS DRAWING.
 - INDICATIVE DRAWING OF A TYPICAL LINE VALVE COMPOUND WITH EMBANKMENT. TO BE USED FOR PLANNING PURPOSES ONLY.

- LEGEND:
- PIPE CENTRELINE
 - INDICATIVE PERMANENT WAYLEAVE
 - PLANNING APPLICATION BOUNDARY
 - AREA REQUIRED FOR SAFE VEHICLE ACCESS FROM THE ROAD NETWORK

F02	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.2025
F01	FINAL FOR PLANNING	PC	MG	MG	SW	Dec.2025
Rev	Description	Drawn	Chk'd	App'd	App'd	Date

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DUBLIN 1,
IRELAND

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Int: 00 353 1 707 2828

JACOBS TOBIN

Originated By BC	Drawn By PC	Checked By MG	Approved By SW
Date 05.10.20	Date 01.12.2025	Date 01.12.2025	Date 01.12.2025

Scale: AS SHOWN @ A1 DO NOT SCALE

Project Title: WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title: PROPOSED TYPICAL LINE VALVE ARRANGEMENT
INCLUDING EMBANKMENT CROSS SECTION

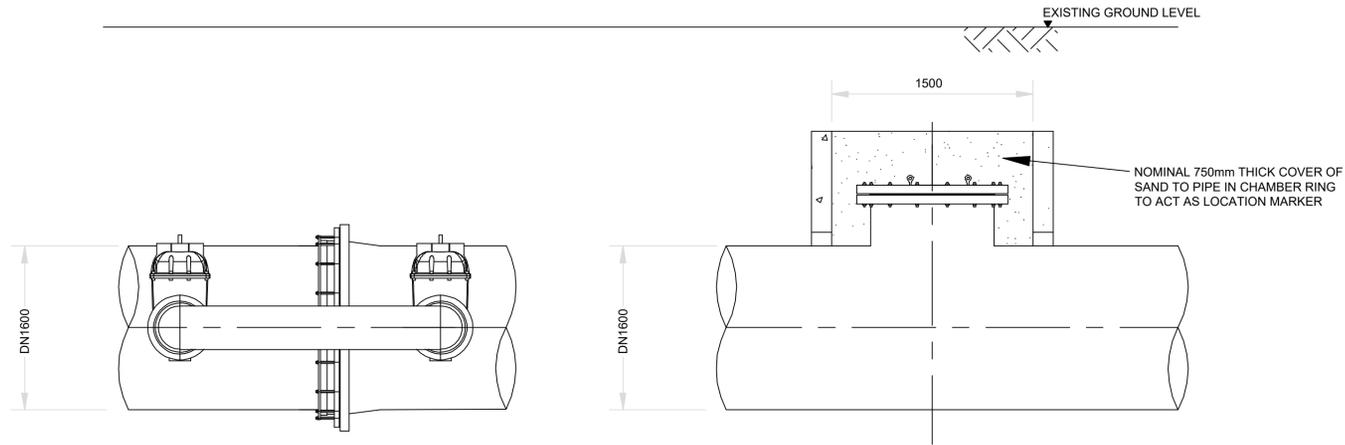
Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 Client No.9318

Drawing No. 32105801-850-07317

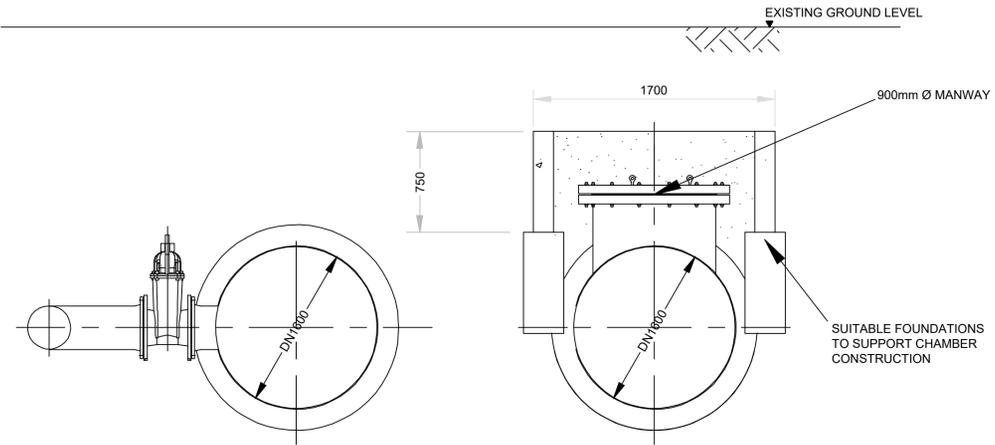
MANWAY AND BREAKPOINT ARRANGEMENT

NOTES:

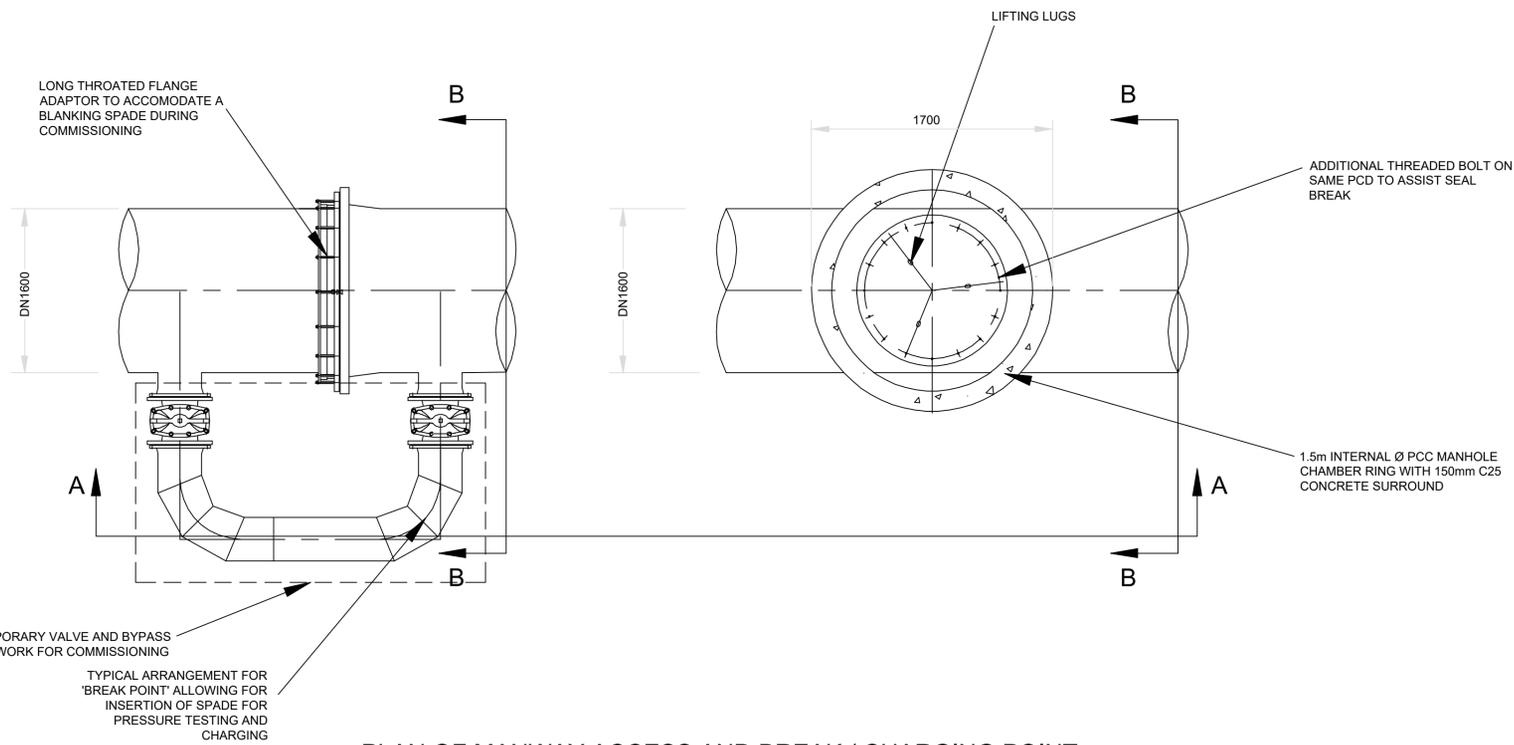
1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
3. ANY LINE VALVE INTENDED TO HAVE A SPADE INSERTED FOR COMMISSIONING PURPOSES REQUIRES A DOUBLE VALVED BYPASS.
4. DOUBLE VALVED TEMPORARY BY-PASS PIPEWORK INCLUDING THE VALVES TO BE REMOVED AFTER COMMISSIONING AND REPLACED WITH BLANK FLANGES.
5. DOUBLE VALVES ARE REQUIRED TO PERMIT REMOVAL OF THE TEMPORARY PIPEWORK FOR BLANK FLANGE TO BE FITTED ON THE BRANCH WHEN PRESSURE TESTING.
6. TEMPORARY PIPEWORK FOR COMMISSIONING PURPOSES ONLY, TO ALLOW FOR CHARGING OF THE MAIN AFTER SPADE HAS BEEN FITTED.
7. TEMPORARY PIPEWORK MAY NEED CONNECTING VIA A PUMP TO TRANSFER COMMISSIONING WATER FROM ONE SECTION TO ANOTHER.
8. ALL FLANGE ADAPTORS TO BE LONG THROATED TO ACCOMMODATE A BLANKING SPADE DURING COMMISSIONING.



SECTION A:A - ALONG MAIN
SCALE 1:25



SECTION B:B - THROUGH MAIN
SCALE 1:25



PLAN OF MANWAY ACCESS AND BREAK / CHARGING POINT
SCALE 1:25

F02	FINAL FOR PLANNING	PC	MG	SW	Dec.2025
F01	FINAL FOR PLANNING	PC	MG	SW	Dec.2025
	Description	Drawn	Chk'd	App'd	Date

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Tionscadal Soláthair Uisce
Water Supply Project

UISCE ÉIREANN
COLVILL HOUSE,
TALBOT STREET,
DUBLIN 1,
IRELAND

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Int: 00 353 1 707 2828

JACOBS TOBIN

Originated By NT	Drawn By PC	Checked By MG	Approved By SW
Date 05.10.20	Date 01.12.2025	Date 01.12.2025	Date 01.12.2025

1:25 @ A1 **DO NOT SCALE**

Project Title
WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

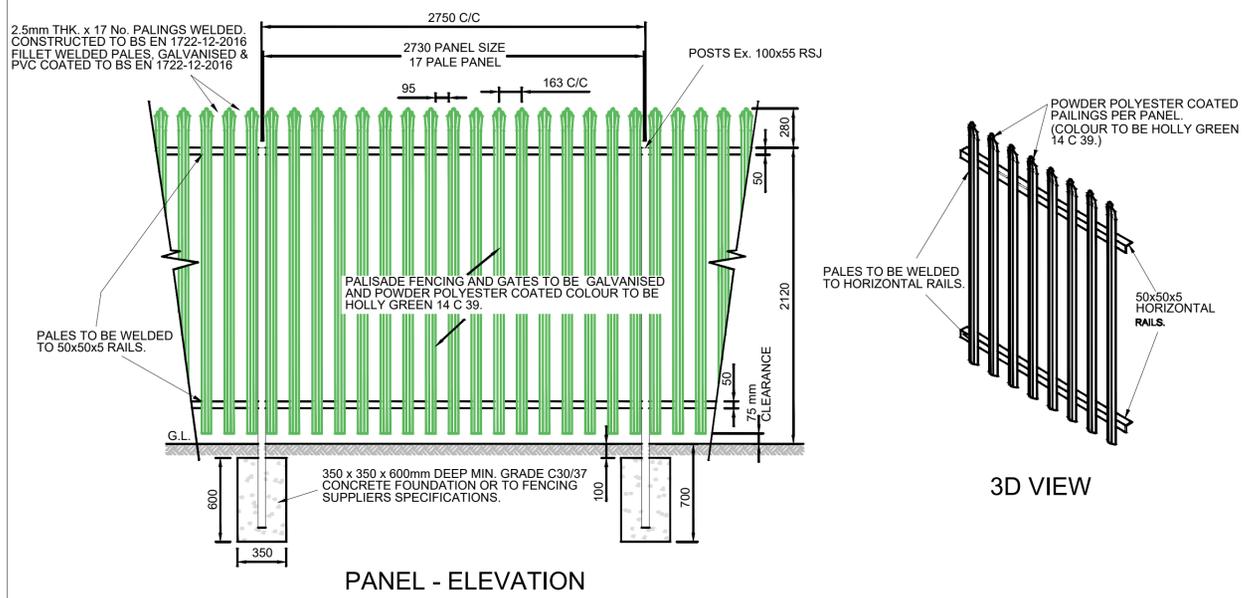
Drawing Title
PROPOSED TYPICAL MANWAY AND TYPICAL
COMMISSIONING BYPASS

Drawing Status FINAL FOR PLANNING
Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.
32105801-850-07324

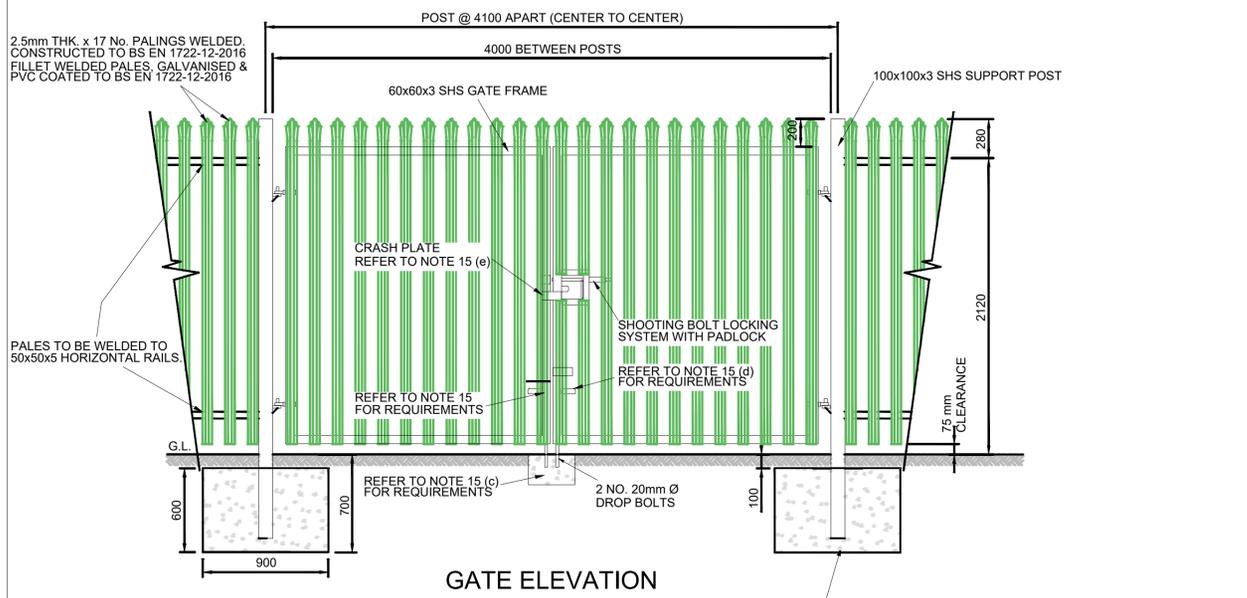


NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. DO NOT SCALE FROM THIS DRAWING

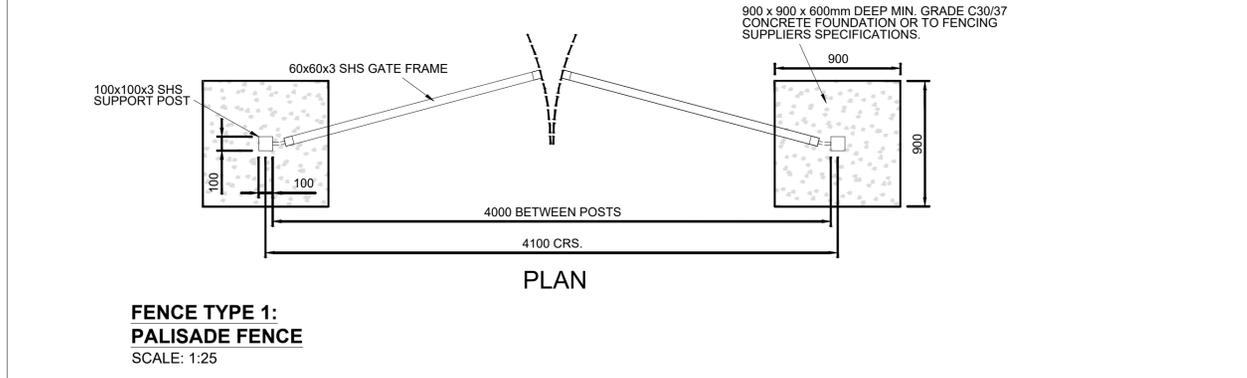


PANEL - ELEVATION

3D VIEW

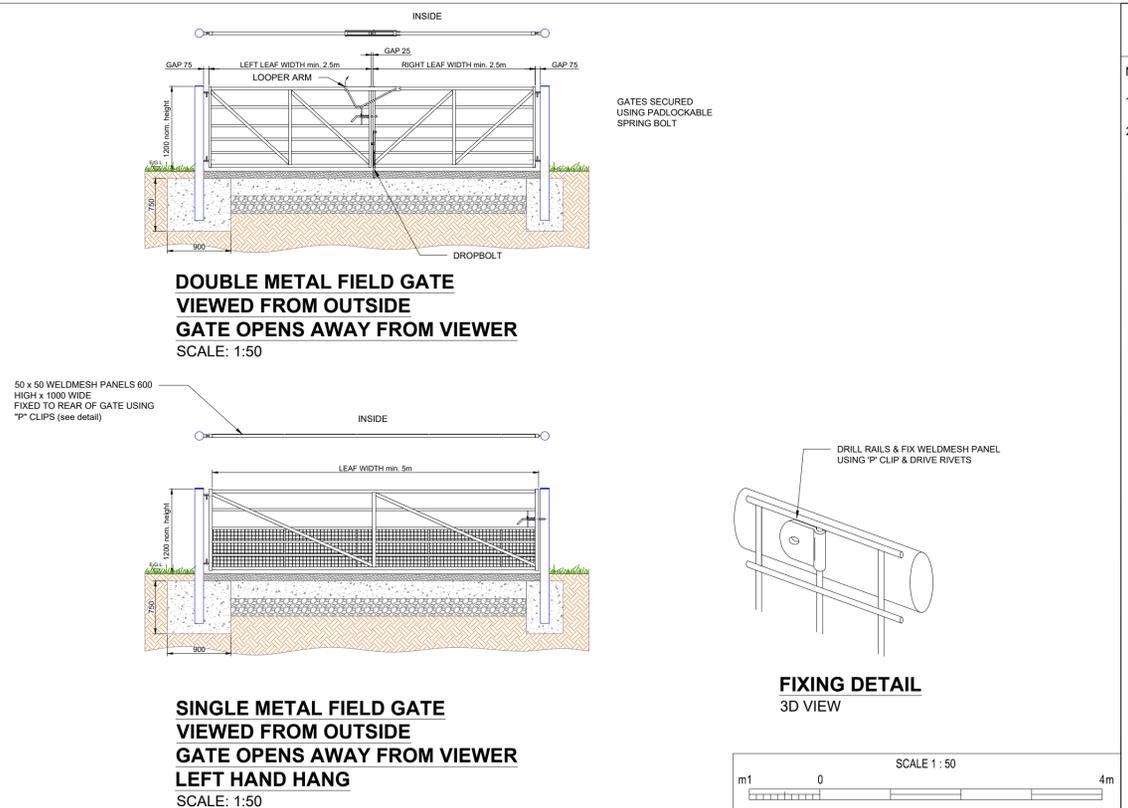
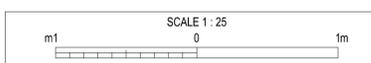


GATE ELEVATION



PLAN

FENCE TYPE 1:
PALISADE FENCE
SCALE: 1:25

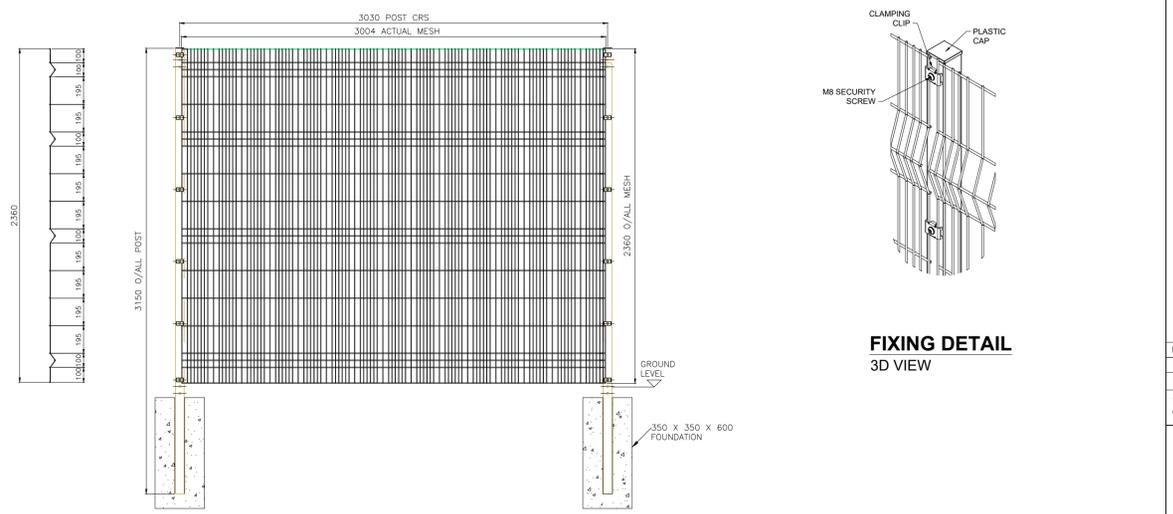


DOUBLE METAL FIELD GATE
VIEWED FROM OUTSIDE
GATE OPENS AWAY FROM VIEWER
SCALE: 1:50

SINGLE METAL FIELD GATE
VIEWED FROM OUTSIDE
GATE OPENS AWAY FROM VIEWER
LEFT HAND HANG
SCALE: 1:50

FIXING DETAIL
3D VIEW

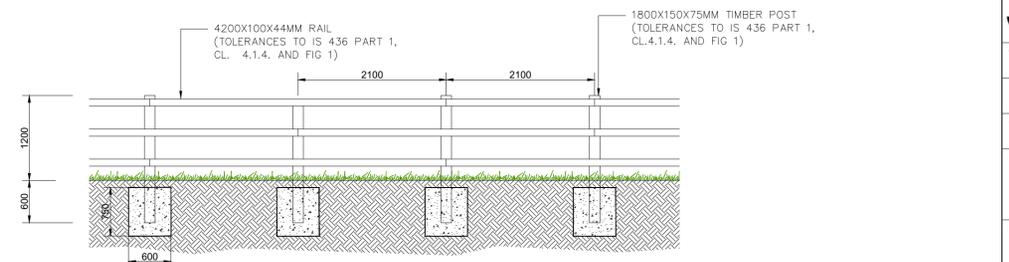
Product Code	Post Size (mm)	Height (mm)	Post Centres (mm)	Horizontal Wires (QTY)	Notes: All size panels Vertical Wires Ø4mm Horizontal Wires Ø5mm
A02-18	60 x 60	1755	3030	15	Aperture 24mm x 195mm - min 40mm x 195mm - max
A02-20	60 x 60	1970	3030	18	
A02-24	60 x 60	2360	3030	20	



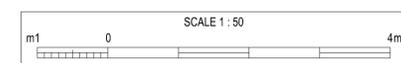
FENCE TYPE 2:
PALADIN FENCE
SCALE: 1:25

FIXING DETAIL
3D VIEW

FENCE TYPE 3:
1.2M HIGH TIMBER POST AND RAIL FENCE
SCALE: 1:50



FIXINGS: IN ACCORDANCE WITH IS 435-3:2005, AND NOTES 13 & 14 AND SECTION 4.4 OF IS 435-1, 2005.



F02	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
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Rev	Description	Drawn	Chk'd	App'd	Date

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IRELAND

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JACOBS TOBIN

Originated By	Drawn By	Checked By	Approved By
NT	PC	MG	SW
Date	Date	Date	Date
05.10.20	01.12.2025	01.12.2025	01.12.2025

Scale: AS SHOWN @ A1
DO NOT SCALE

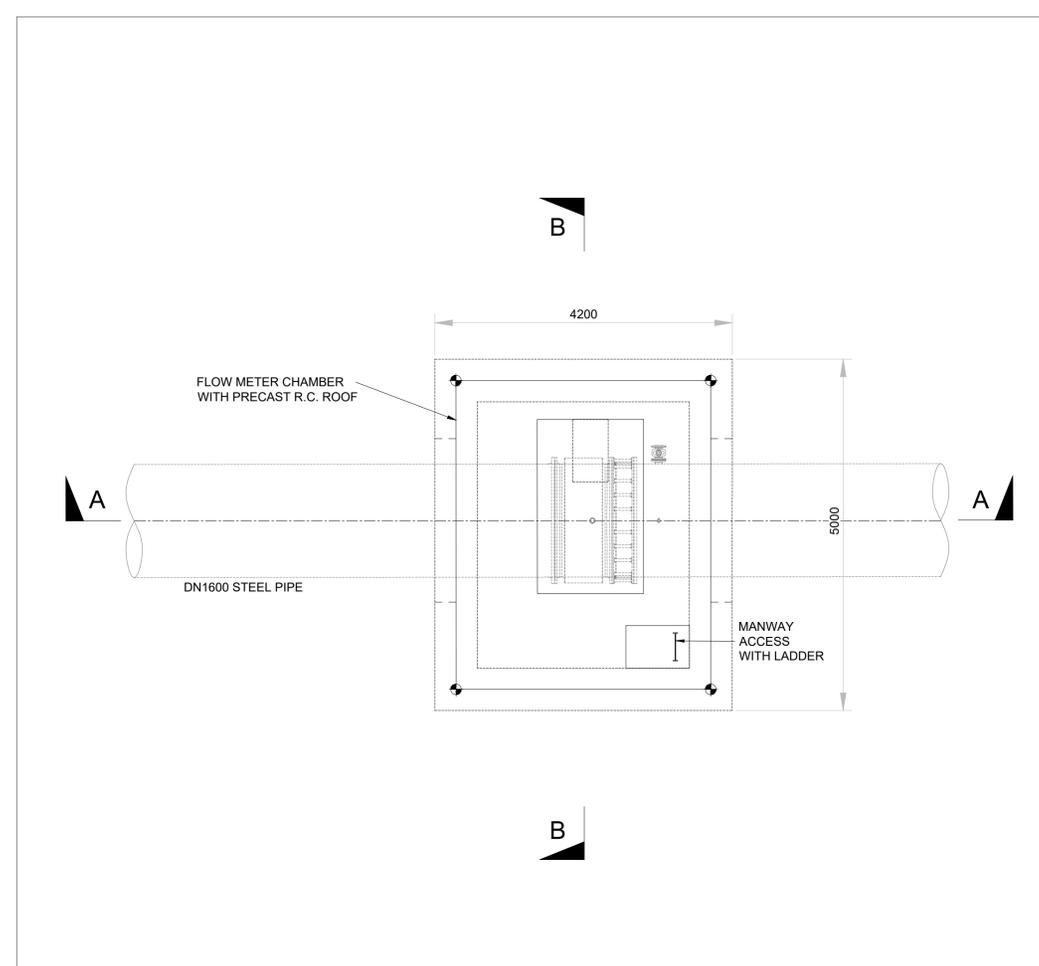
Project Title
WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title
PROPOSED TYPICAL FENCING ARRANGEMENT

Drawing Status	FINAL FOR PLANNING
Jacobs Tobin No.	32105801
Client No.	9318

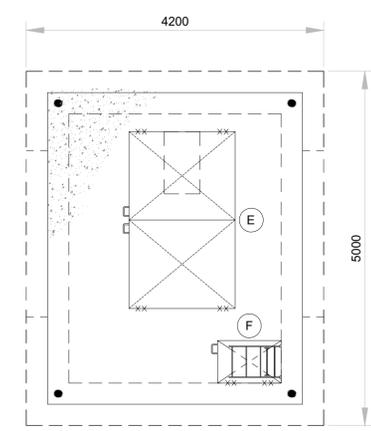
Drawing No.
32105801-850-07325

- NOTES:
- ALL DIMENSIONS IN MILLIMETRES.
 - THE CHAMBER INDICATED IS FOR A NOMINAL 1600MM DIAMETER MAGNETIC FLOW METER. CHAMBER SIZES WILL VARY WITH PIPELINE DEPTH AND METER SIZE.
 - THE CONTRACTOR SHALL CHECK ALL SETTING OUT DIMENSIONS AND LEVELS PRIOR TO COMMENCEMENT OF WORK ON SITE.

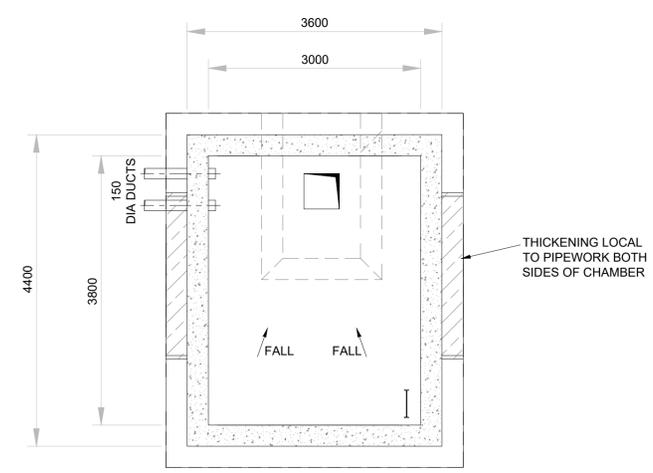


PLAN
(SCALE - 1:50)

xx - COVER HINGE LOCATION
□ - LIFTING HANDLE LOCATION

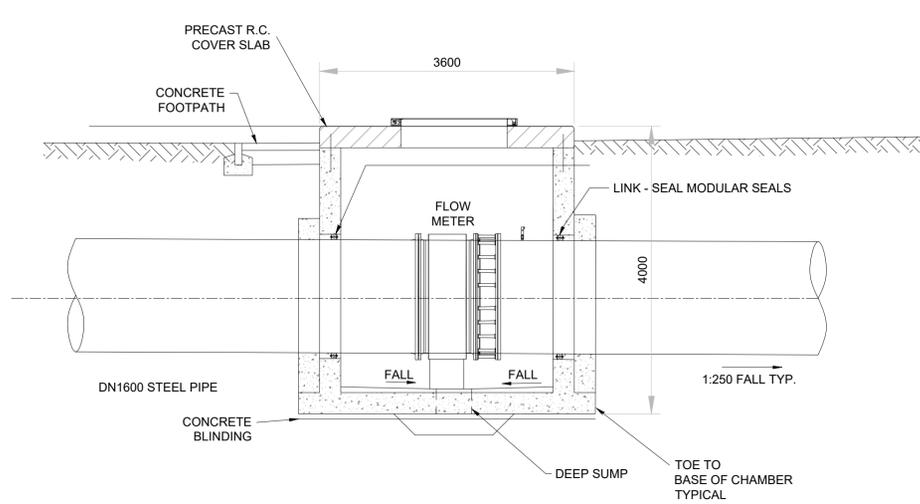


PLAN - P.C. COVER SLAB
(SCALE - 1:50)

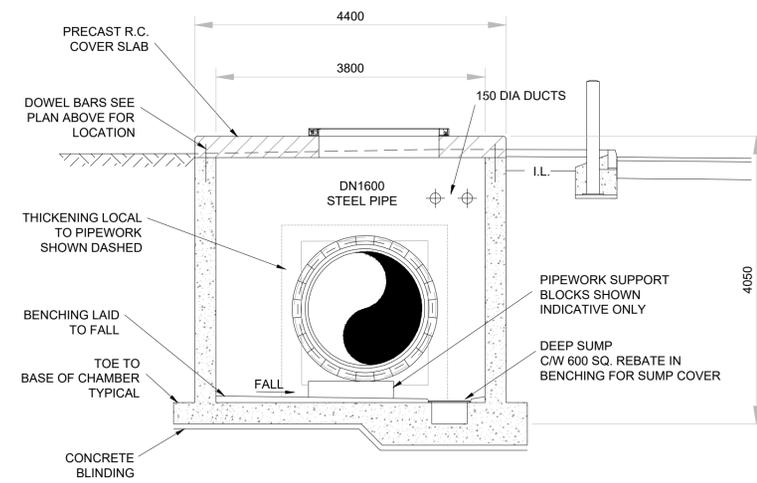


PLAN - BELOW COVER
(SCALE - 1:50)

ALL PIPEWORK SUPPORT BLOCKS SHOWN INDICATIVE ONLY



SECTION A - A
(SCALE - 1:50)



SECTION B - B
(SCALE - 1:50)



F02	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
F01	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
Rev	Description	Drawn	Chk'd	App'd	Date

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Tionscadal Soláthair Uisce
Water Supply Project

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TALBOT STREET,
DUBLIN 1,
IRELAND

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JACOBS TOBIN

Originated By DM	Drawn By PC	Checked By MG	Approved By SW
Date 20.10.2023	Date 01.12.2025	Date 01.12.2025	Date 01.12.2025

Scale: 1:50 @ A1
DO NOT SCALE

Project Title
WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title
PROPOSED TYPICAL FLOW METER CHAMBER
ARRANGEMENT

Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No.: 32105801 Client No.: 9318

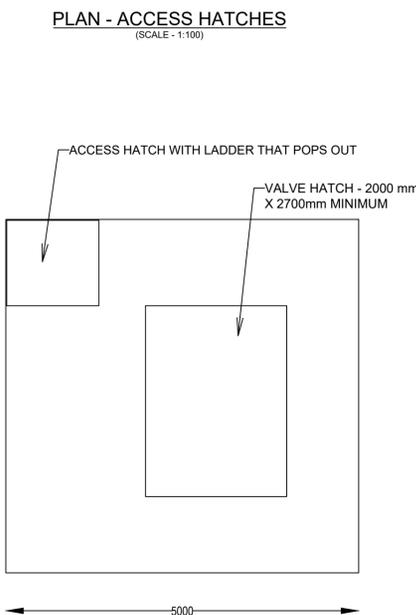
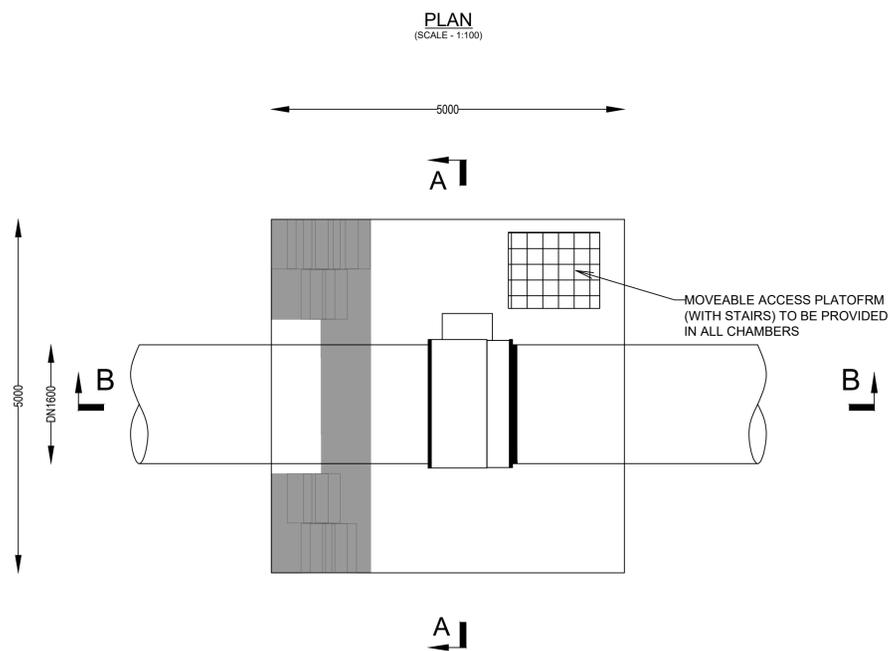
Drawing No.: 32105801-850-07327

NOTES:

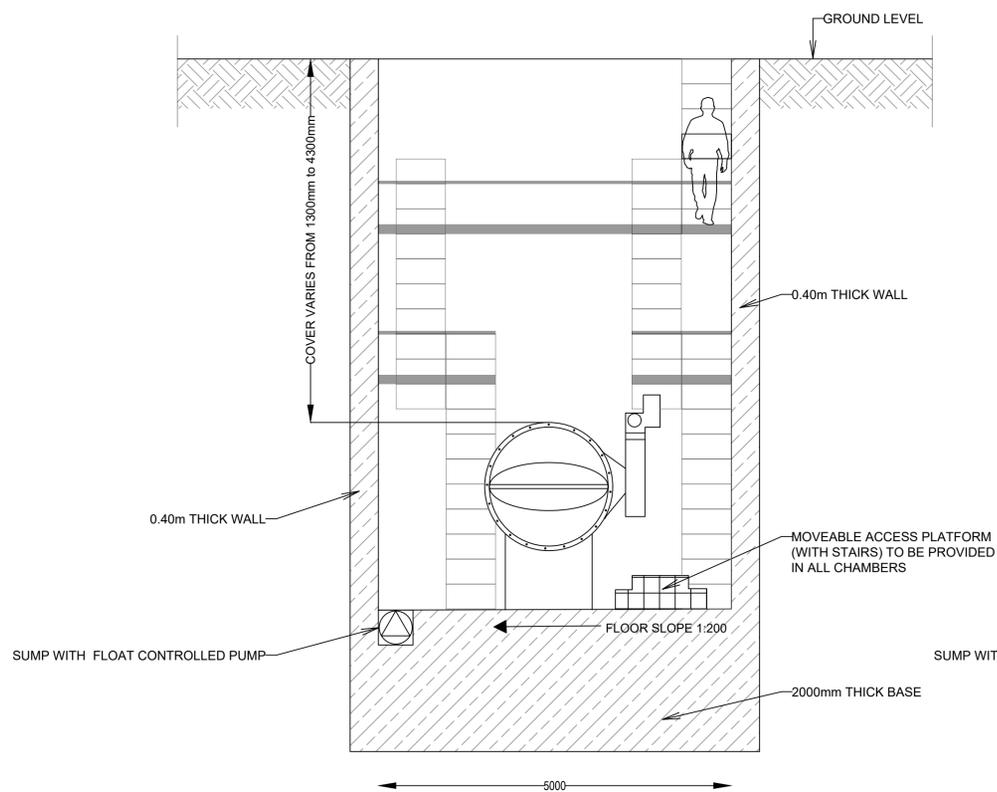
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL PIPELINE LINE VALVES TO BE BUTTERFLY VALVES.
3. ALL CHAMBERS TO INCLUDE SUMP PUMPS.
4. ALL CHAMBERS TO HAVE 'SHIP STYLE' LADDERS THAT POP OUT OF THE ACCESS HATCH.

LEGEND:

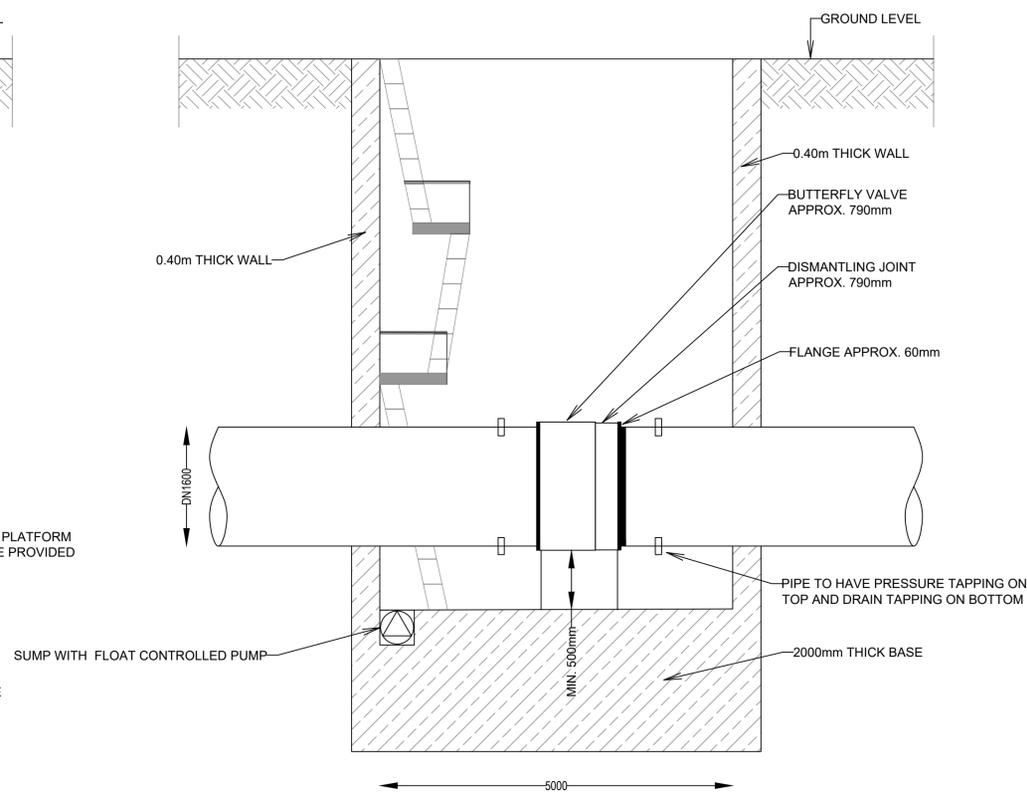
- Concrete
- Existing ground



SECTION A-A ELEVATION (SCALE - 1:50)



SECTION B-B ELEVATION (SCALE - 1:50)



F02	FINAL FOR PLANNING	PC	MG	DM	SW	Dec. 2025
F01	FINAL FOR PLANNING	PC	MG	DM	SW	Dec. 2025
Rev	Description	Drawn	Chk'd	Rev'd	App'd.	Date

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IRELAND

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JACOBS TOBIN

Originated By	Drawn By	Checked By	Approved By
NT	PC	MG	SW
Date	Date	Date	Date
08.09.2025	01.12.2025	01.12.2025	01.12.2025

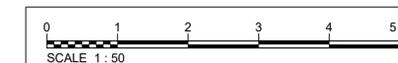
Scale: 1:50 @ A1 DO NOT SCALE

Project Title: WATER SUPPLY PROJECT EASTERN AND MIDLANDS REGION

Drawing Title: PROPOSED LINE VALVE CHAMBER

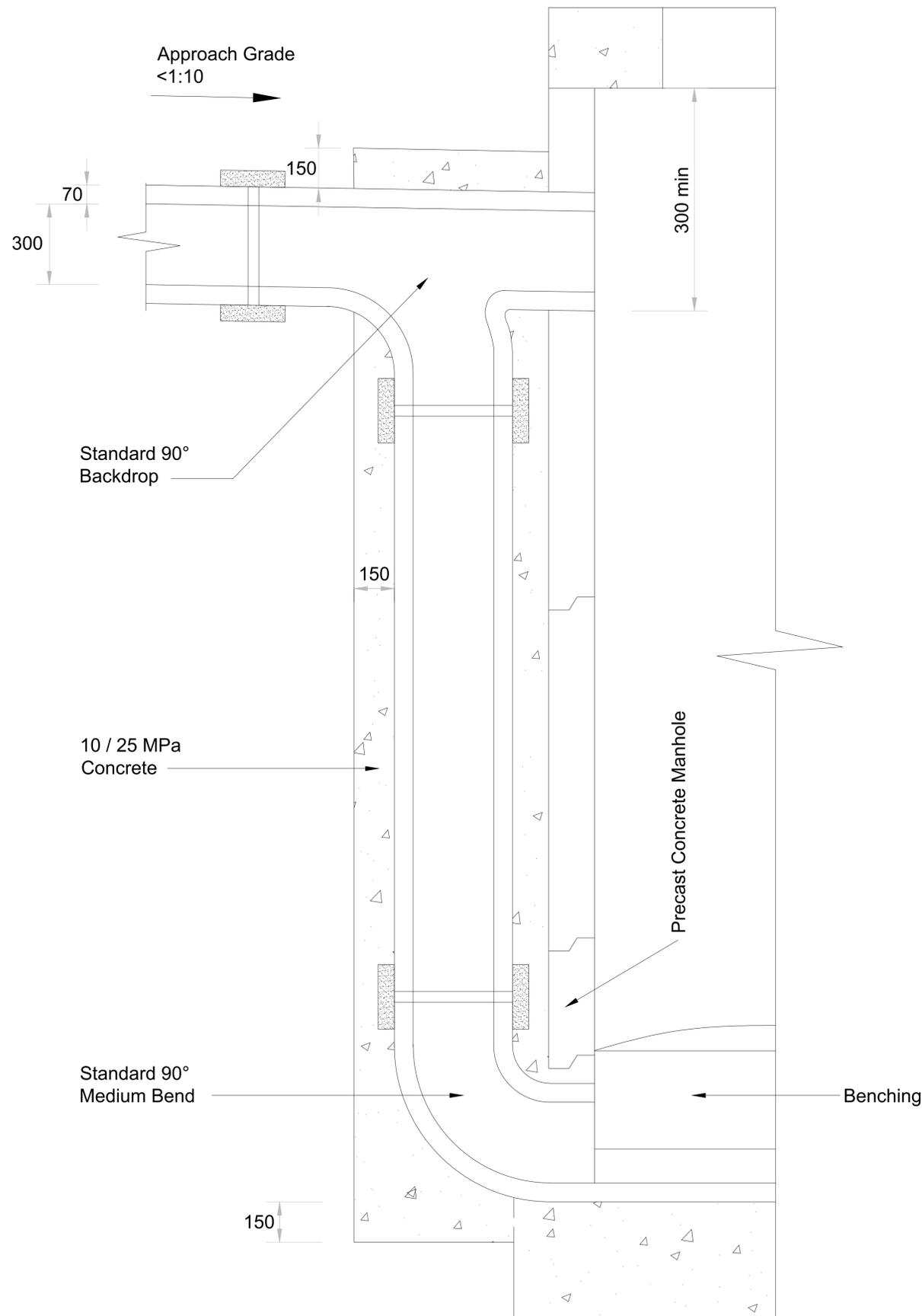
Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 Client No. 9318

Drawing No. 32105801-850-07328



NOTES:

- 1. DO NOT SCALE FROM THIS DRAWING.
- 2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
- 3. AIR VALVE AND ISOLATION VALVE TO BE SIZED BY CONTRACTOR.



**BACKDROP MANHOLE
FOR DROPS OF 1.5m**
(SCALE - 1:10)



F02	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
F01	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
Rev	Description	Drawn	Chk'd	App'd.	Date

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Jacobs TOBIN

Originated By	Drawn By	Checked By	Approved By
NT	PC	MG	SW
Date	Date	Date	Date
05.10.2020	01.12.2025	01.12.2025	01.12.2025

Scale: 1:10 @ A1 DO NOT SCALE

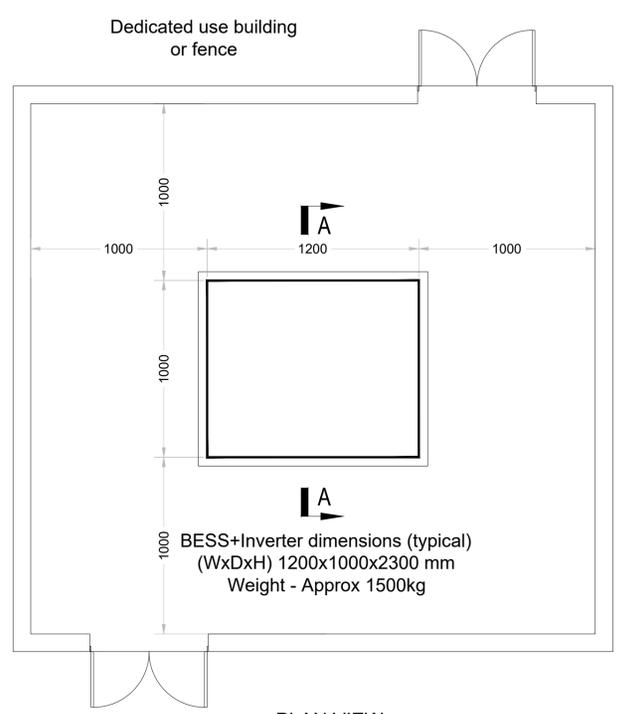
Project Title: WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title: PROPOSED BACKDROP MANHOLE

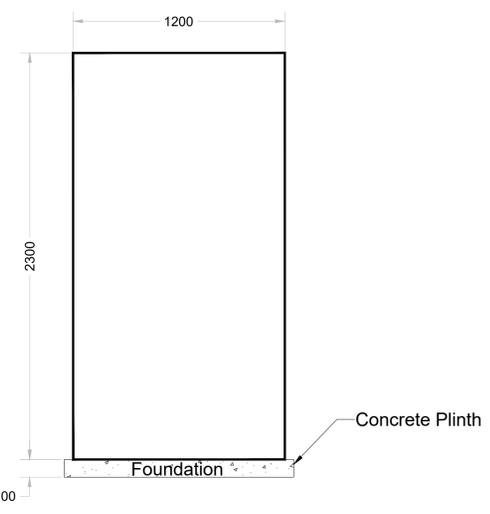
Drawing Status	FINAL FOR PLANNING		
Jacobs Tobin No.	32105801	Client No.	9318
Drawing No.	32105801-850-07329		

NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. DO NOT SCALE FROM THIS DRAWING

BPS and FCV Sites
Sizing upto 50kWh BATTERY ENERGY STORAGE SYSTEM (BESS)

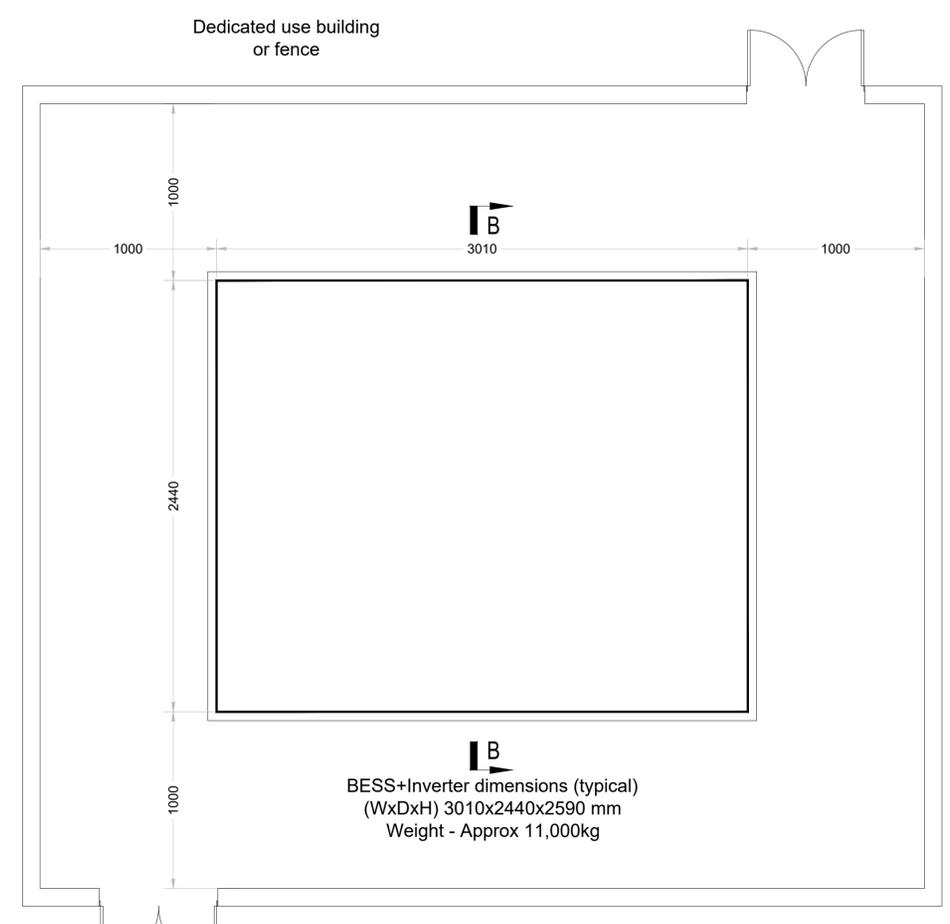


PLAN VIEW
(SCALE - 1:20)

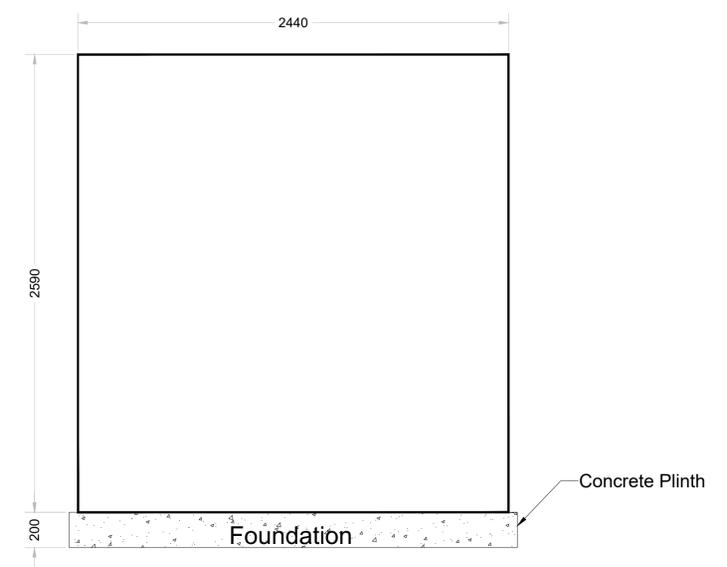


SECTION A - A
(SCALE - 1:20)

TPR Site
Sizing upto 400kWh BESS



PLAN VIEW
(SCALE - 1:20)



SECTION B - B
(SCALE - 1:20)

- Installation of BESS more than 20kWh must comply with NFPA 855, NFPA 70.
- Maintain 1m distance from all boundaries.



F02	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
F01	FINAL FOR PLANNING	PC	MG	SW	Dec. 2025
Rev	Description	Drawn	Chk'd	App'd	Date

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Uisce Éireann
Irish Water

Tionscadal Soláthair Uisce
Water Supply Project

UISCE ÉIREANN
COLVILL HOUSE,
TALBOT STREET,
DUBLIN 1,
IRELAND

Call 1890 278 278
Int: 00 353 1 707 2828

Jacobs TOBIN

Originated By	Drawn By	Checked By	Approved By
NT	PC	MG	SW
Date	Date	Date	Date
05.10.2020	01.12.2025	01.12.2025	01.12.2025

Scale: 1:20 @ A1 DO NOT SCALE

Project Title
WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title
PROPOSED BATTERY ENERGY STORAGE SYSTEM
(BESS) STANDARD DETAILS

Drawing Status: FINAL FOR PLANNING
Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.
32105801-850-07330

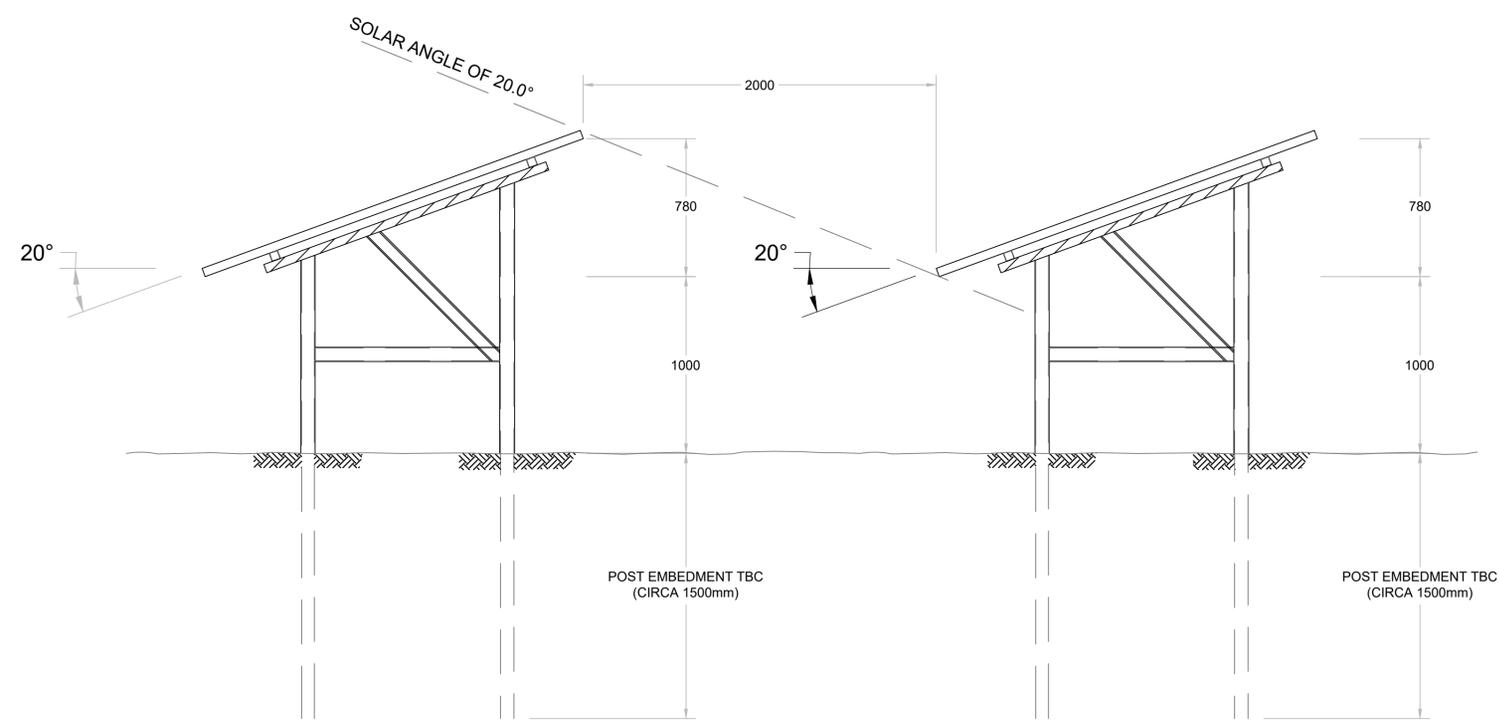
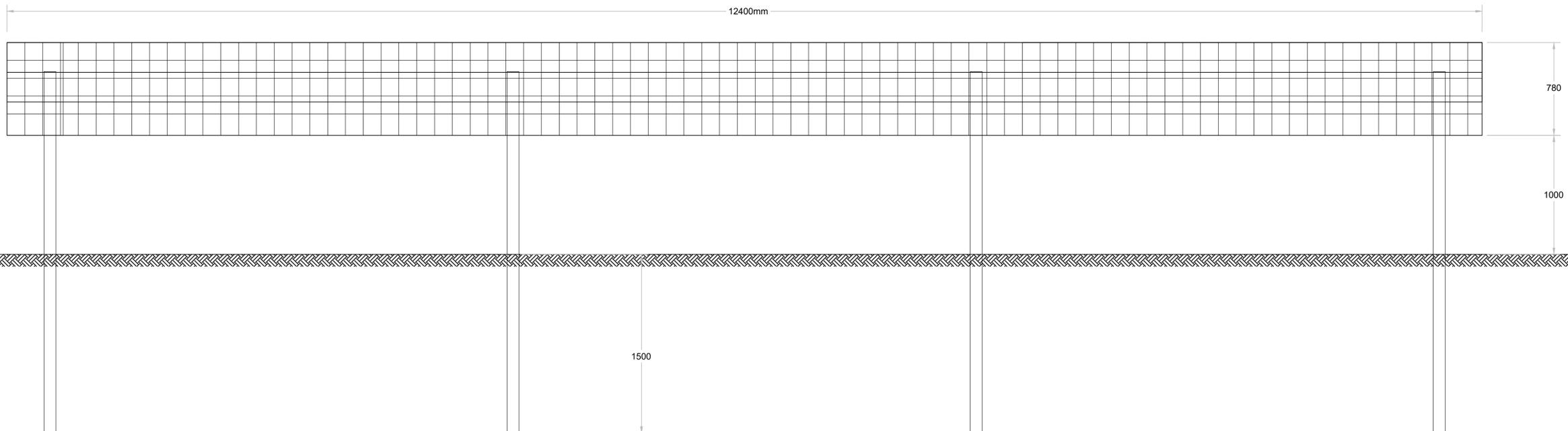


TABLE POST TYPE
SCALE 1:20



ELEVATION OF ARRAYS
SCALE 1:20

F02	FINAL FOR PLANNING	PC	MG	SW	Dec.2025
F01	FINAL FOR PLANNING	PC	MG	SW	Dec.2025
Rev	Description	Drawn	Chk'd	App'd	Date

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JACOBS TOBIN

Originated By EM	Drawn By PC	Checked By MG	Approved By SW
Date 20.08.25	Date 01.12.2025	Date 01.12.2025	Date 01.12.2025

Scale
1:20 @ A1

Project Title
WATER SUPPLY PROJECT
EASTERN AND MIDLANDS REGION

Drawing Title
PROPOSED GROUND MOUNTED SOLAR PANELS

Drawing Status FINAL FOR PLANNING
Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.
32105801-850-07331

