

# Project Summary Report

Supporting Figures – Infrastructure Sites and Flow Control Valve  
Proposed Site Layout Plans – Figures 60-69

January 2025



Notes:  
1. ALL DIMENSIONS ARE IN METERS AND ALL LEVELS ARE IN METERS AOD **MALIN HEAD** UNLESS OTHERWISE STATED  
2. THIS DRAWING IS FOR PLANNING PURPOSES ONLY. SEE ACCOMPANYING ENGINEERING DRAWINGS FOR FURTHER DETAIL.

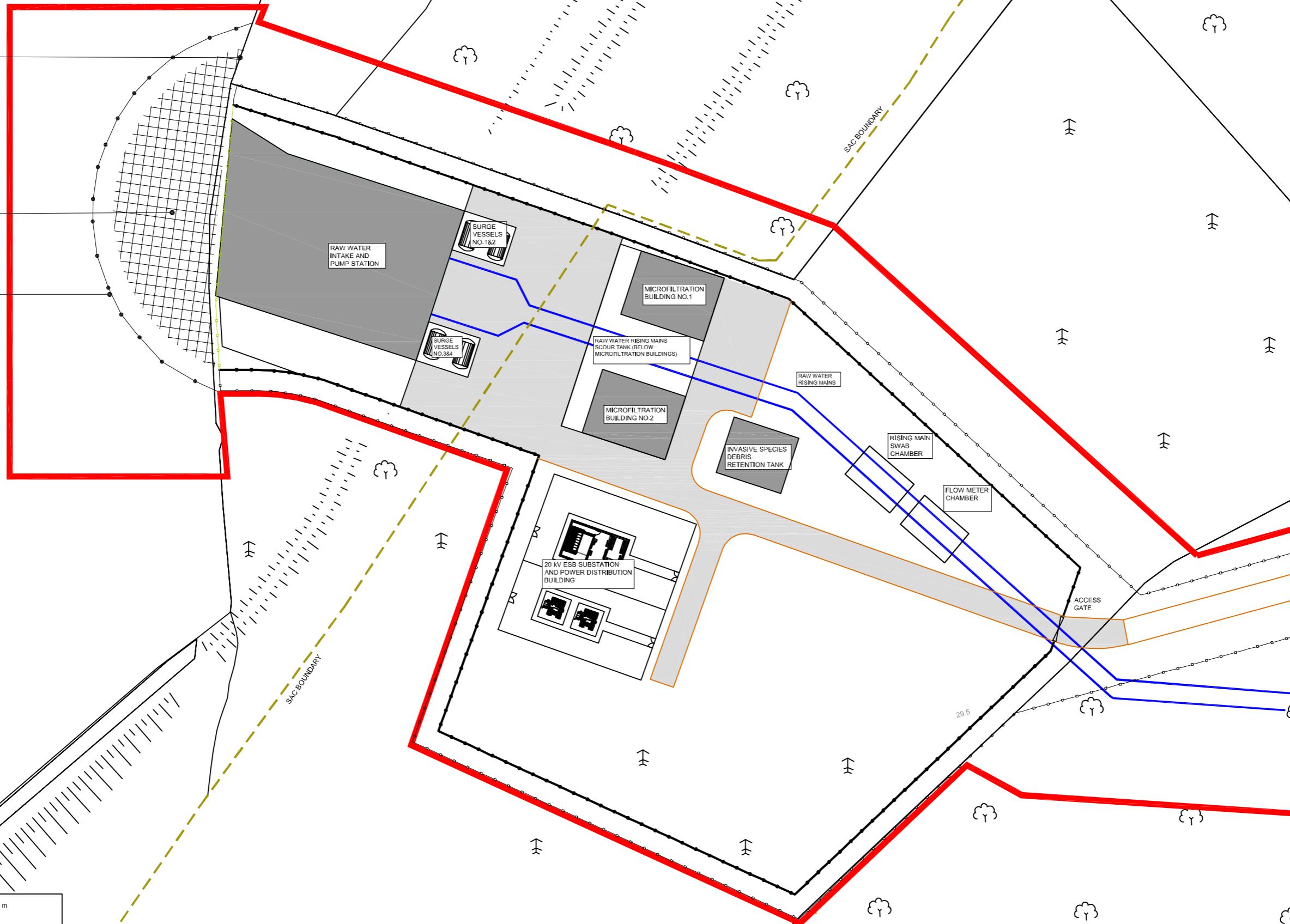
- LEGEND**
- PROPOSED PROJECT BOUNDARY
  - RAW WATER RISING MAINS
  - SITE BOUNDARY FENCE
  - PALADIN SECURITY FENCE
  - PROPOSED ACCESS ROAD
  - - - SAC BOUNDARY
  - BUILDINGS
  - INTERNAL ROADWAY

**PARTEEN BASIN**

SHORE LINE

REPROFILED BED OVERLAID WITH CONCRETE REVETMENT MATS

FLOATING BUOYS AND WARNING SIGNS



Rev	Description	Drawn	Chkd	App'd	Date
A01	NON STATUTORY CONSULTATION	JM	BD	BD	06.11.24

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**Irish Water**  
IRISH WATER  
COLVILL HOUSE,  
TALBOT STREET,  
DUBLIN 1,  
IRELAND

Call 1890 278 278  
Int: 00 353 1 707 2828

**Jacobs TOBIN**  
CONSULTING ENGINEERS

Originated by	Drawn By	Checked By	Approved By
DC	JM	BD	BD
Date	Date	Date	Date
06.11.24	06.11.24	06.11.24	06.11.24

Scale: 1:500 @ A1 **DO NOT SCALE**

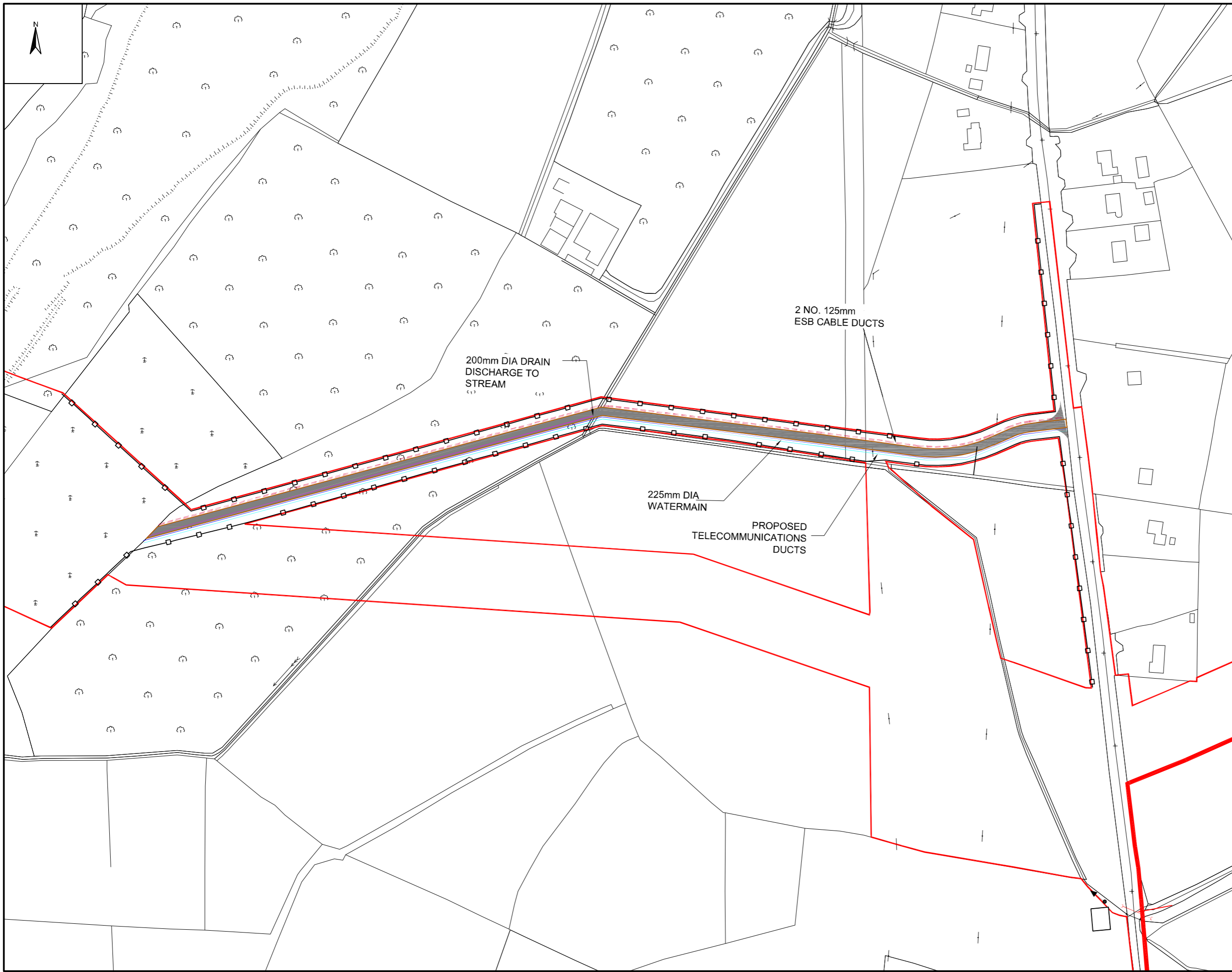
Project Title  
**WATER SUPPLY PROJECT  
EASTERN AND MIDLANDS REGION**

Drawing Title  
**RAW WATER INTAKE  
PROPOSED SITE LAYOUT  
FIGURE 60**

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

Drawing No.  
**32105801-750-003**

0 5 10 15 20 25 m  
SCALE 1:500 @ A1



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**Legend**

- Proposed Project Boundary
- Proposed 2 No. 125mm Telecommunications Ducts
- Proposed 225mm Ø Watermain
- Proposed 2 No. 125mm Ø ESB Ducts
- Proposed 200mm Ø Drain from Attenuation Tank
- - - Site Boundary Fence

200mm DIA DRAIN  
 DISCHARGE TO  
 STREAM

2 NO. 125mm  
 ESB CABLE DUCTS

225mm DIA  
 WATERMAIN

PROPOSED  
 TELECOMMUNICATIONS  
 DUCTS

A01	FOR STATUTORY CONSULTATION	JM	BD	BD	29.11.24
Rev	Description	Drawn	Chkd	App'd	Date

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**Uisce Éireann**  
 Irish Water

IRISH WATER  
 COLVILL HOUSE,  
 TALBOT STREET,  
 DUBLIN 1,  
 IRELAND

Call 1890 278 278  
 Int: 00 353 1 707 2828

**Jacobs TOBIN**  
 CONSULTING ENGINEERS

Originated By DC	Drawn By JM	Checked By BD	Approved By BD
Date 01.12.22	Date 01.12.22	Date 01.12.22	Date 1.12.22

Scale: 1:1250 @ A1 DO NOT SCALE

Project Title  
 WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION

Drawing Title  
 RAW WATER INTAKE  
 PROPOSED SITE LAYOUT / ACCESS  
 FIGURE 61

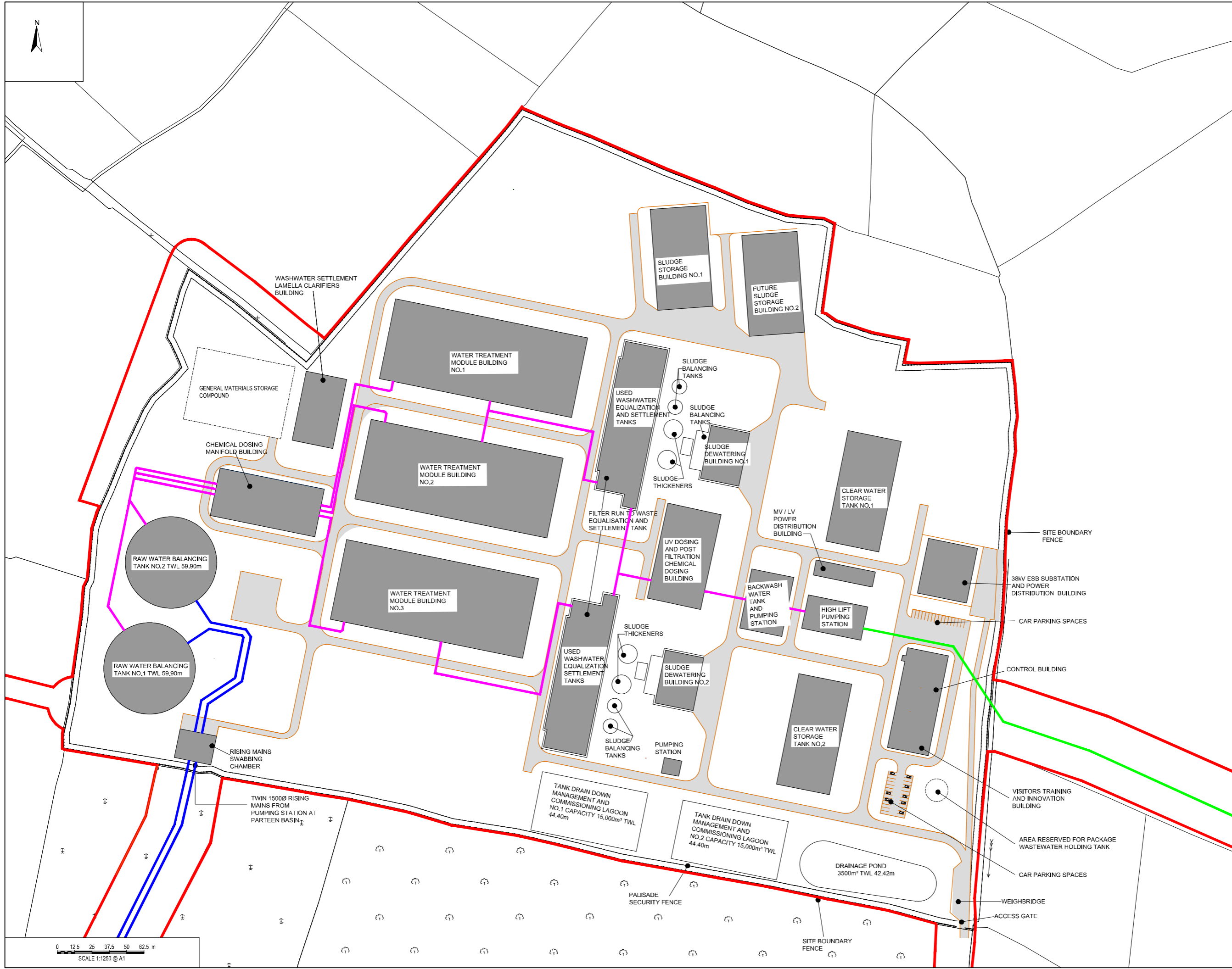
Drawing Status: FOR ISSUE  
 Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.  
**32105801-750-018**



- Notes:
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- LEGEND
- PROPOSED PROJECT BOUNDARY
  - RAW WATER RISING MAINS
  - GRAVITY MAINS THROUGH PLANT
  - TREATED WATERMAIN
  - SITE BOUNDARY FENCE
  - PALISADE SECURITY FENCE
  - PROPOSED ACCESS ROAD
  - BUILDINGS
  - INTERNAL ROADWAY



A01	NON STATUTORY CONSULTATION	JM	BD	BD	06.11.24
Rev	Description	Drawn	Chk'd	App'd	Date

IRISH WATER  
COLVILL HOUSE,  
TALBOT STREET,  
DUBLIN 1,  
IRELAND  
Call 1890 278 278  
Int: 00 353 1 707 2828

**JACOBS TOBIN**  
CONSULTING ENGINEERS

Originated By	Drawn By	Checked By	Approved By
DC	JM	BD	BD
Date	Date	Date	Date
06.11.24	06.11.24	06.11.24	06.11.24

Scale: 1:1250 @ A1  
**DO NOT SCALE**

Project Title  
WATER SUPPLY PROJECT  
EASTERN AND MIDLANDS REGION

Drawing Title  
WATER TREATMENT PLANT  
PROPOSED SITE LAYOUT  
FIGURE 62

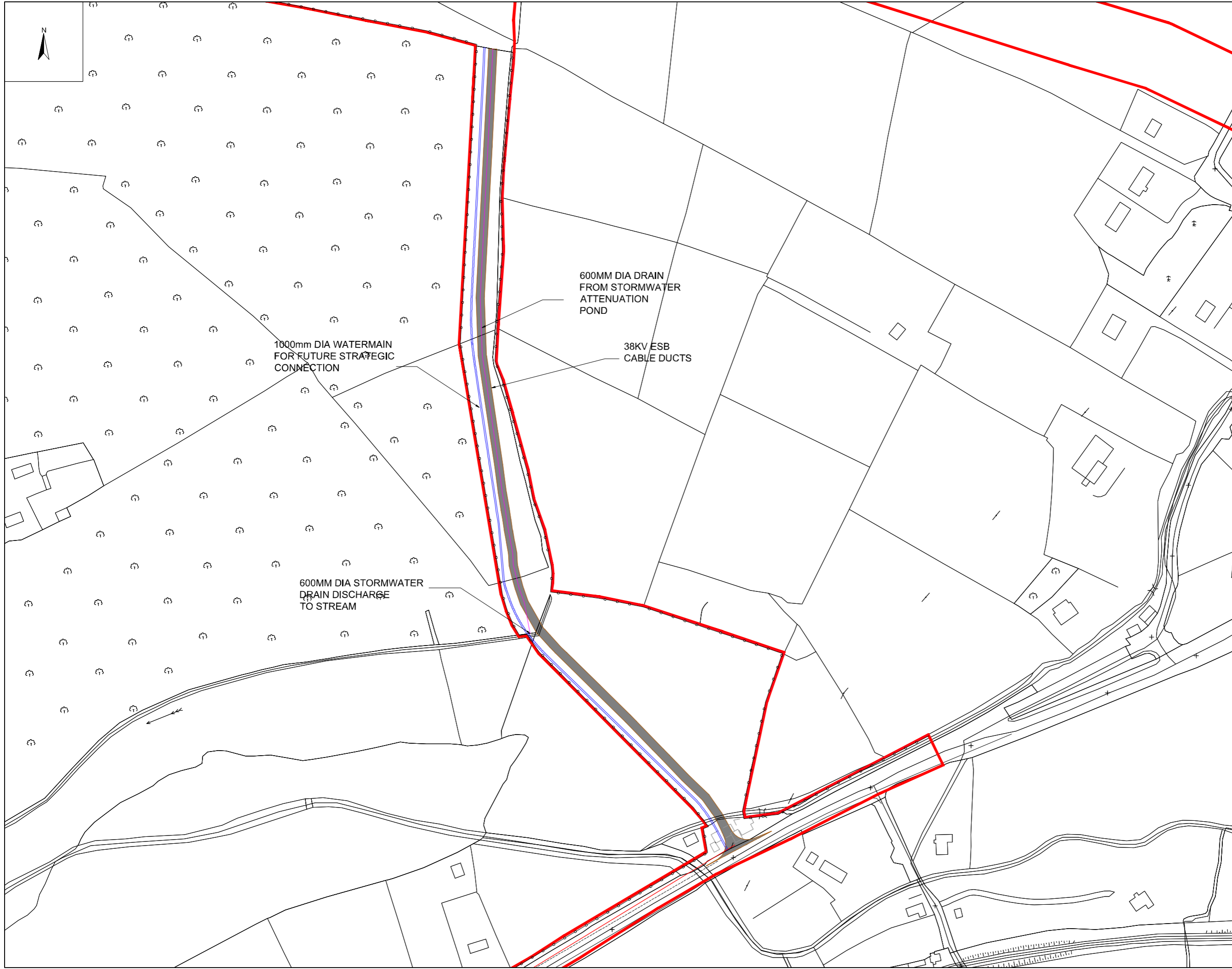
Drawing Status: FOR ISSUE  
Drawing No. 32105801 Client No. 9318

32105801-750-030

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**Legend**

- Planning Project Boundary
- Proposed 1000mm Ø Watermain
- Proposed 600mm Ø Stormwater Drain
- Site Boundary Fence



A01	NON STATUTORY CONSULTATION	JM	BD	BD	29.11.24
Rev	Description	Drawn	CHK'd	App'd	Date

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**Uisce Éireann**  
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IRISH WATER  
 COLVILL HOUSE,  
 TALBOT STREET,  
 DUBLIN 1,  
 IRELAND

Call 1890 278 278  
 Int: 00 353 1 707 2828

**Jacobs TOBIN**  
 CONSULTING ENGINEERS

Originator By DC	Drawn By JM	Checked By BD	Approved By BD
Date 01.12.22	Date 01.12.22	Date 01.12.22	Date 1.12.22

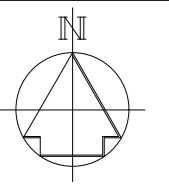
Scale: 1:1250 @ A1 DO NOT SCALE

Project Title:  
 WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION

Drawing Title:  
 WATER TREATMENT PLANT  
 PROPOSED SITE LAYOUT / ACCESS  
 FIGURE 63

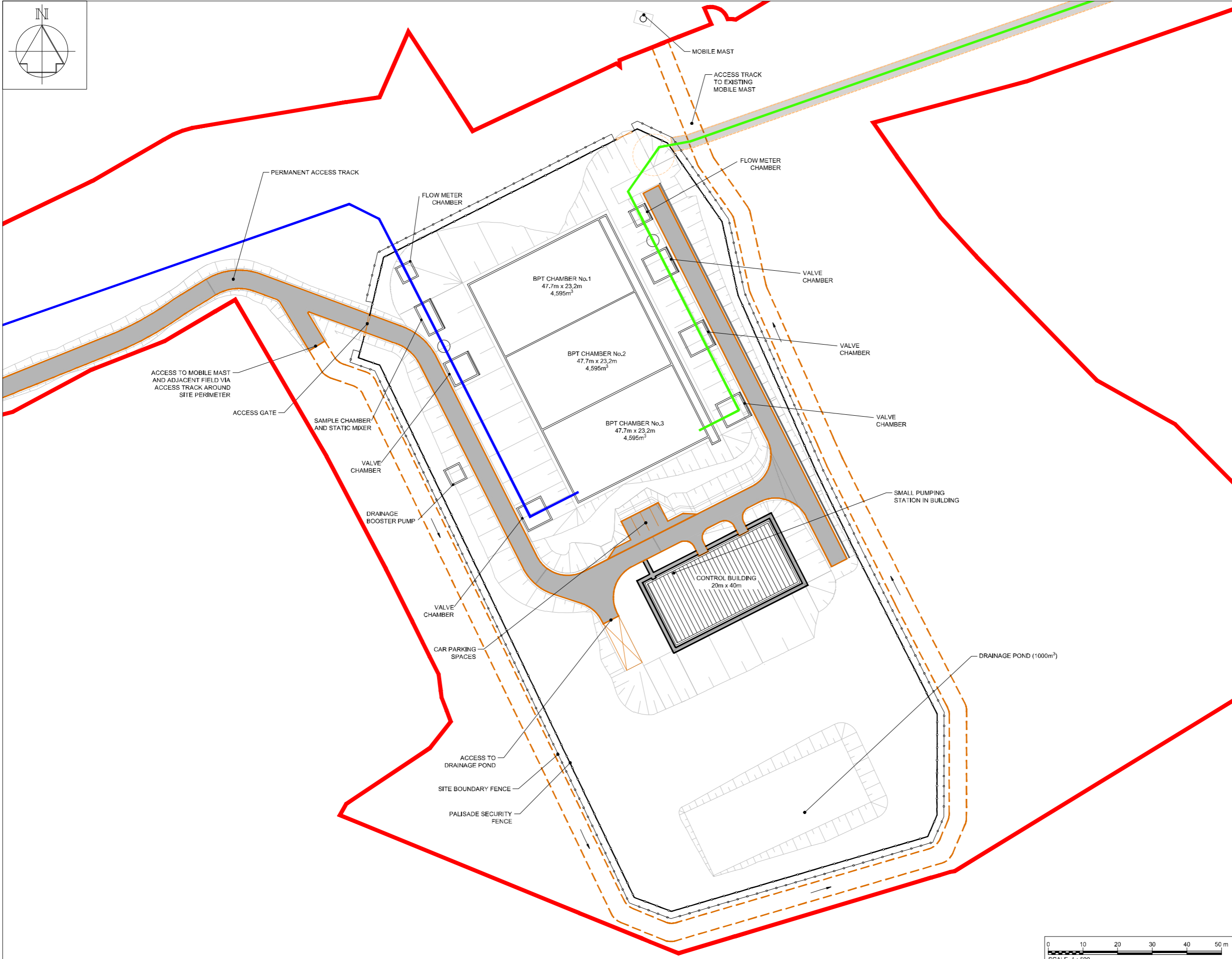
Drawing Status: FOR ISSUE  
 Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.  
**32105801-750-108**



- Notes:
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  3. THIS DRAWING IS FOR CONSULTATION PURPOSES ONLY. SEE ACCOMPANYING ENGINEERING DRAWINGS FOR FURTHER DETAIL.

- Legend:
- PROPOSED PROJECT BOUNDARY
  - 1600mmØ INLET PIPEWORK
  - 1600mmØ OUTLET PIPEWORK
  - PALISADE SECURITY FENCE
  - SITE BOUNDARY FENCE
  - - - ACCESS ROAD
  - ACCESS TRACK



0B	ISSUED FOR CLIENT REVIEW	MP	SPM	SW	10.12.24
0A	ISSUED FOR CLIENT REVIEW	MP	CB	SW	20.12.23
Rev	Description	Dram	Chks	App'd	Date

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**Uisce Éireann**  
 Irish Water

UISCE ÉIREANN  
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 TALBOT STREET,  
 DUBLIN 1,  
 IRELAND

Call 1890 278 278  
 Int: 00 353 1 707 2828

**Jacobs TOBIN**  
 CONSULTING ENGINEERS

Original By	Drawn By	Checked By	Approved By
MP	MP	SPM	SW
Date	Date	Date	Date
07.11.24	07.11.24	07.11.24	07.11.24

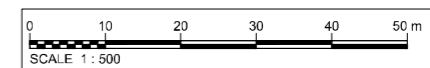
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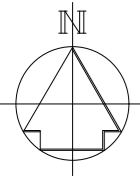
Project Title: WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION

Drawing Title: BREAK PRESSURE TANK  
 PROPOSED SITE LAYOUT  
 FIGURE 64

Drawing Status: FOR ISSUE  
 Jacobs Tobin No. 32105801 Client No. 9318

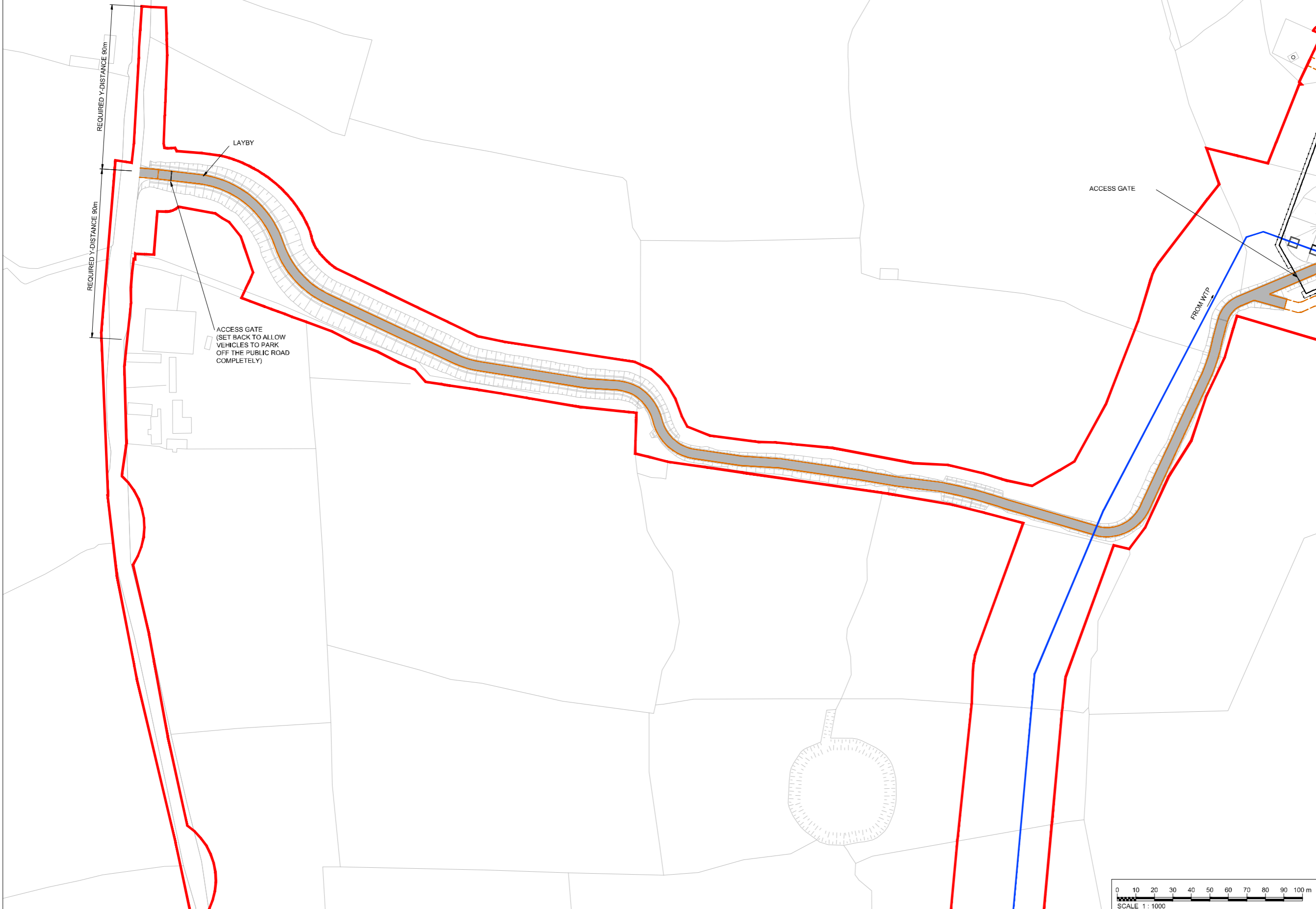
Drawing No. 32105801-750-00200





- Notes:
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  3. THIS DRAWING IS FOR PLANNING PURPOSES ONLY. SEE ACCOMPANYING ENGINEERING DRAWINGS FOR FURTHER DETAIL.
  4. THE LOCATIONS OF EXISTING SERVICES ARE NOT SHOWN FOR CLARITY.
  5. THE BREAK PRESSURE TANK TANK HAS A LEVEL SENSOR TO INDICATE WHEN EMPTYING IS REQUIRED.
  6. AN INFILTRATION RATE OF 0.005 mm/H HAS BEEN ASSUMED BASED ON SILTY CLAY LOAM.
  7. THE DESIGN IS BASED ON A NOMINAL 1600mm DIAMETER PIPELINE DELIVERING A MAXIMUM FLOW OF 295 ML/D.
  8. THE PROPOSED ATTENUATION BASIN HAS BEEN DESIGNED TO ACCOMMODATE 1 IN 100 YEAR STORM EVENT WITH 10% UPLIFT APPLIED TO ALLOW FOR CLIMATE CHANGE

- Legend:
- PROPOSED PROJECT BOUNDARY
  - 1600mmØ INLET PIPEWORK
  - 2.4M HIGH PALISADE
  - SITE BOUNDARY FENCE
  - ACCESS ROAD
  - ACCESS TRACK



AD1	DESIGN FIX 2	MP	SPM	SW	28.11.24
Rev	Description	Drawn	Ck'd	App'd	Date

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**Uisce Éireann**  
Irish Water

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

Call 1890 278 278  
Int: 00 353 1 707 2828

**Jacobs TOBIN**  
CONSULTING ENGINEERS

Originated By	Drawn By	Checked By	Approved By
MP	MP	SPM	SW
Date	Date	Date	Date
27.11.24	27.11.24	27.11.24	27.11.24

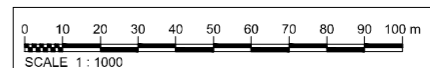
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Project Title  
WATER SUPPLY PROJECT  
EASTERN AND MIDLANDS REGION

Drawing Title  
BREAK PRESSURE TANK SITE LAYOUT/ACCESS  
FIGURE 65

Drawing Status FOR ISSUE  
Jacobs Tobin No. 32105801 Client No.9318

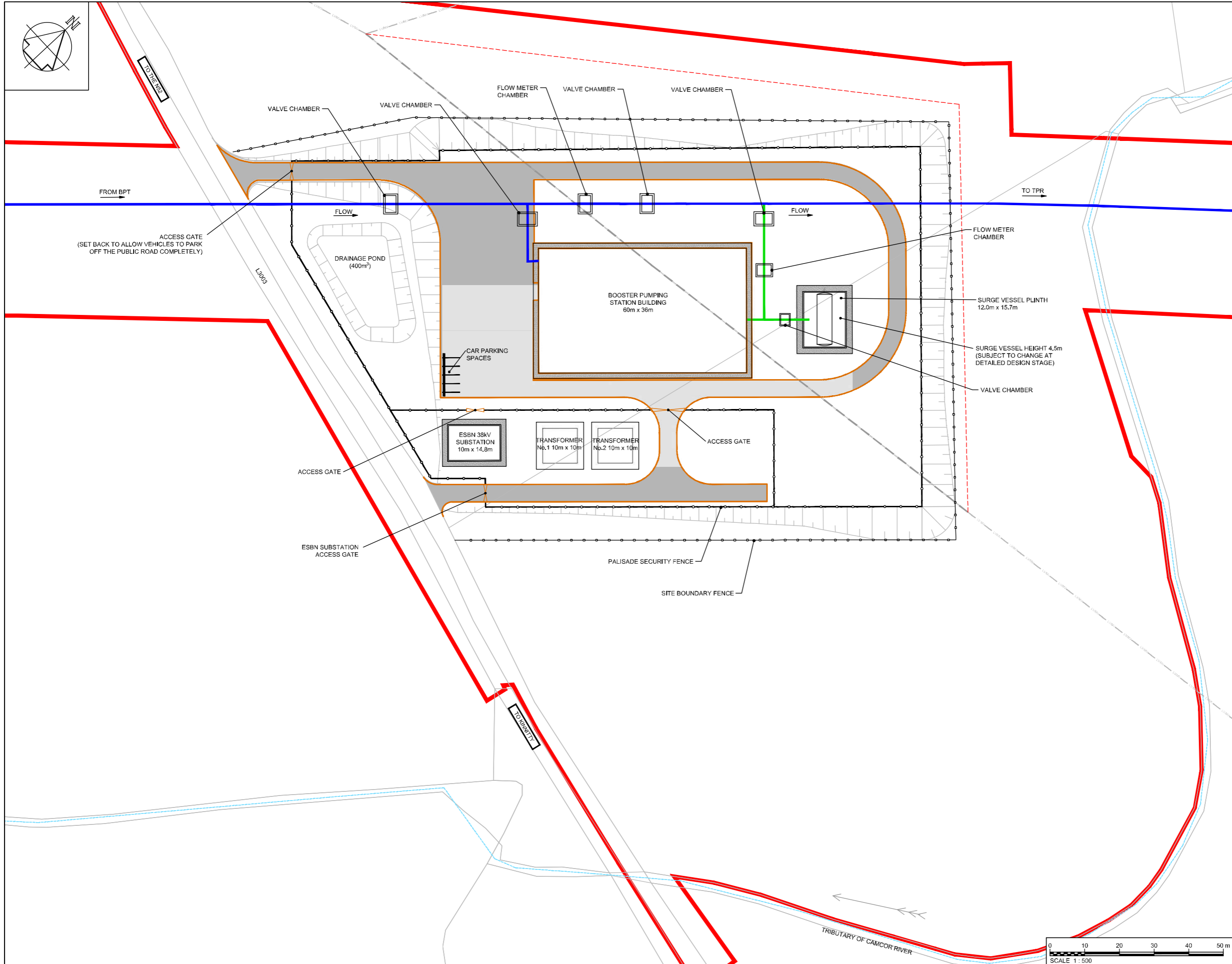
Drawing No.  
32105801-600-00784





- Notes:
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- Legend:
- 1600mmØ OUTLET PIPEWORK
  - 1600mmØ INLET PIPEWORK
  - PROPOSED PROJECT BOUNDARY
  - PALISADE SECURITY FENCE
  - SITE BOUNDARY FENCE
  - EXISTING OVERCOURSE
  - EXISTING OVERHEAD POWERLINE, LOW/MEDIUM VOLTAGE
  - ESBN CABLE ABANDONED
  - INDICATIVE ESBN LINE DIVERSION
  - ACCESS TRACK



OB	ISSUED FOR CLIENT REVIEW	MP	SPM	SW	10.12.24
OA	ISSUED FOR CLIENT REVIEW	MP	CB	SW	20.12.23
Rev	Description	Drawn	Chkd	App'd	Date

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 Irish Water

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

Call 1890 278 278  
 Int: 00 353 1 707 2828

**Jacobs TOBIN**  
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Originated By	Drawn By	Checked By	Approved By
MP	MP	SPM	SW
Date	Date	Date	Date
07.11.24	07.11.24	07.11.24	07.11.24

Scale: 1:500 @ A1 **DO NOT SCALE**

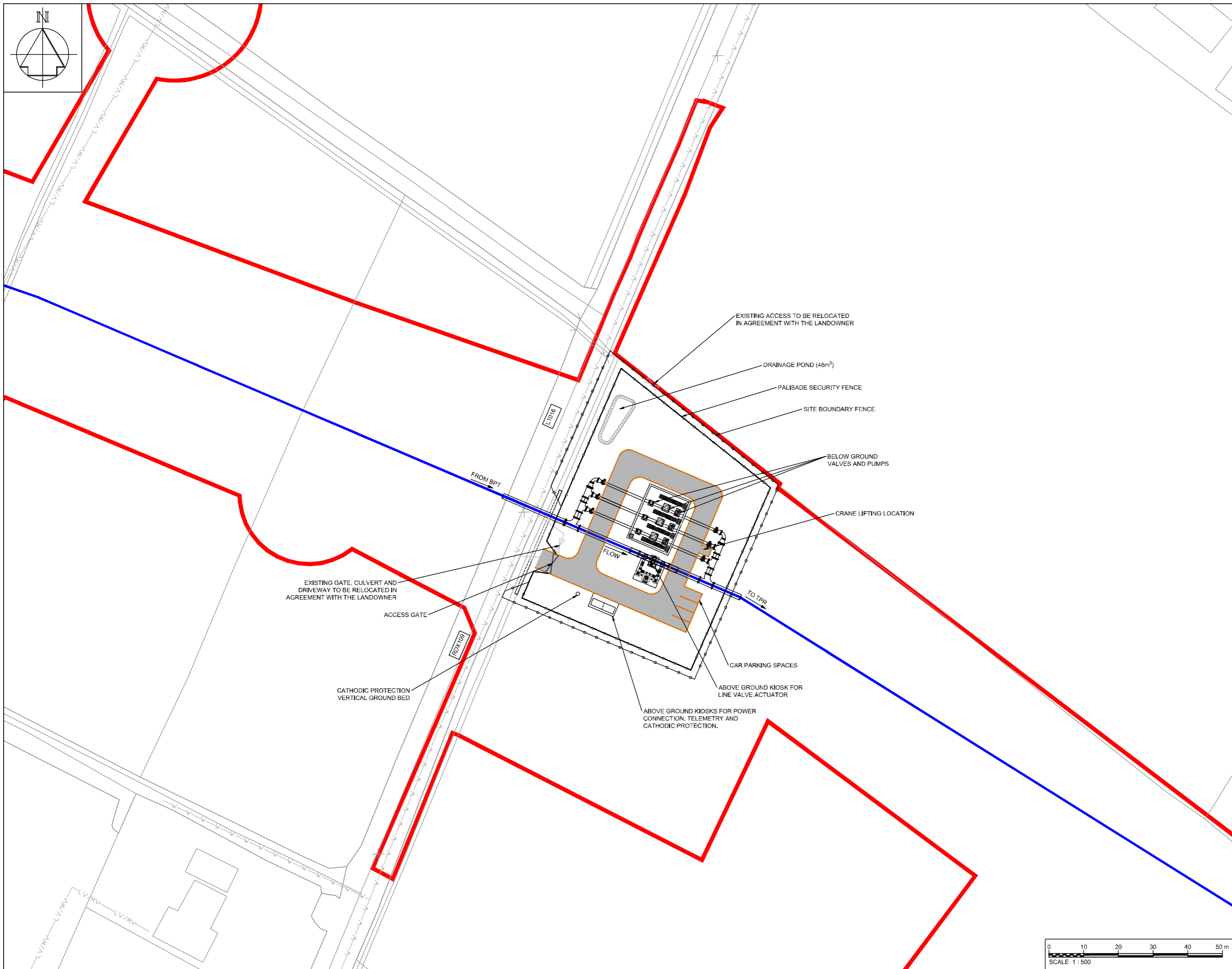
Project Title: **WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION**

Drawing Title: **BOOSTER PUMPING STATION  
 PROPOSED SITE LAYOUT  
 FIGURE 66**

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

Drawing No. **32105801-750-00201**





- Notes:
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- Legend:
- PROPOSED PROJECT BOUNDARY
  - 1600mmØ INLET PIPEWORK
  - PALISADE SECURITY FENCE
  - SITE BOUNDARY FENCE
  - EXISTING WATER MAIN
  - EXISTING ELECTRIC OVERHEAD POWERLINE, LOW/MEDIUM VOLTAGE
  - EXISTING ELECTRIC OVERHEAD POWERLINE, HIGH VOLTAGE
  - ACCESS TRACK

DA	ISSUED FOR CLIENT REVIEW	MP	SPM	SW	10.12.24
Rev	Description	Drawn	Chk'd	App'd	Date

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**Uisce Éireann**  
 Irish Water

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

Call 1890 278 278  
 Int: 00 353 1 707 2828

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Originated By	Drawn By	Checked By	Approved By
MP	MP	SPM	SM
Date	Date	Date	Date
07.11.24	07.11.24	07.11.24	07.11.24

Scale: 1:500 @ A1 DO NOT SCALE

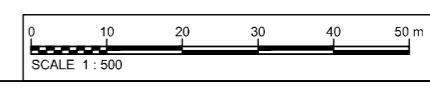
Project Title  
 WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION

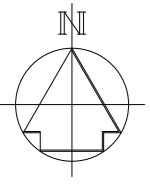
Drawing Title  
 LINE VALVE AND FLOW CONTROL VALVE  
 PROPOSED SITE LAYOUT  
 FIGURE 67

Drawing Status: FOR ISSUE

Jacobs Tobin No. 32105801 Client No. 9318

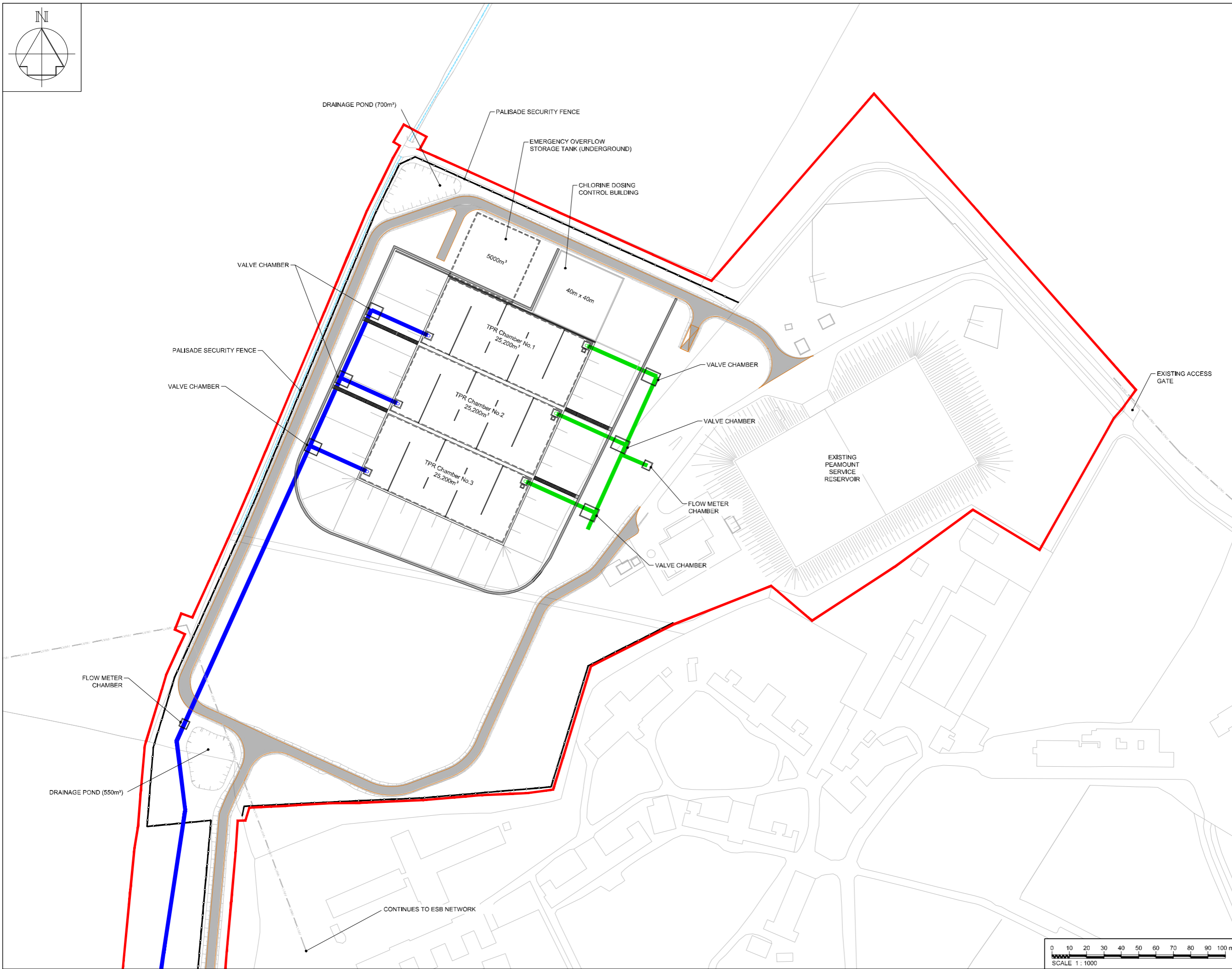
Drawing No. 32105801-600-00207





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- Legend:
- PROPOSED PROJECT BOUNDARY
  - 1600mmØ INLET PIPEWORK
  - 1600mmØ OUTLET PIPEWORK
  - PALISADE SECURITY FENCE
  - EXISTING WATERCOURSE
  - ELECTRIC OVERHEAD POWERLINE, LOW/MEDIUM VOLTAGE
  - ACCESS TRACK



OB	ISSUED FOR CLIENT REVIEW	MP	SPM	SW	10.12.24
QA	ISSUED FOR CLIENT REVIEW	M <sup>3</sup>	CB	SW	20.12.23
Rev	Description	Drawn	Chk'd	App'd	Date

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**Uisce Éireann**  
Irish Water

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

Call 1890 278 278  
Int: 00 353 1 707 2828

**Jacobs TOBIN**  
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Originated By MP	Drawn By MP	Checked By SPM	Approved By SW
Date 07.11.24	Date 07.11.24	Date 07.11.24	Date 07.11.24

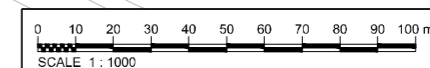
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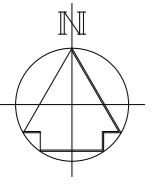
Project Title  
**WATER SUPPLY PROJECT  
EASTERN AND MIDLANDS REGION**

Drawing Title  
**TERMINATION POINT RESERVOIR  
PROPOSED SITE LAYOUT  
FIGURE 68**

Drawing Status FOR ISSUE	Jacobs Tobin No. 32105801	Client No. 9318
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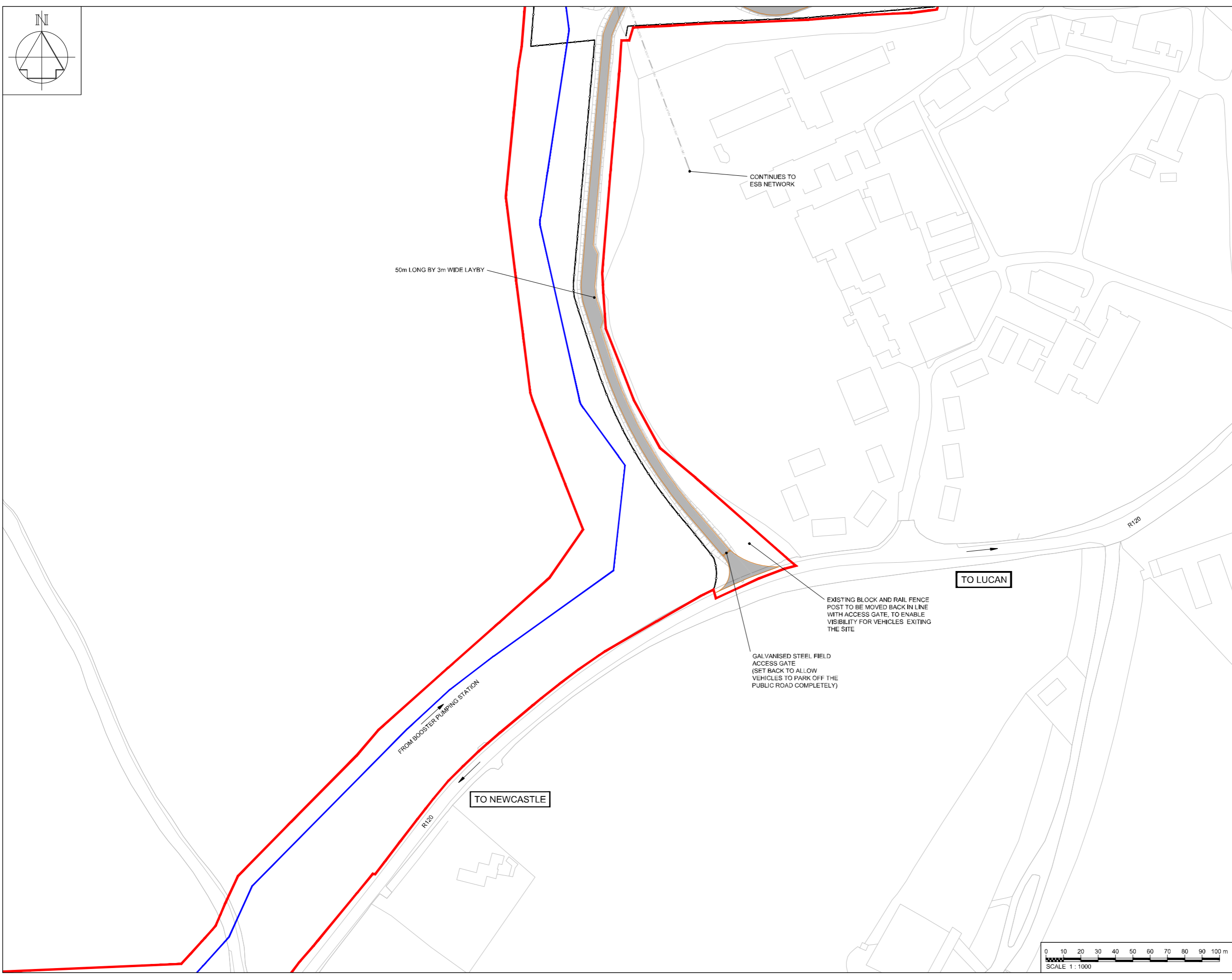
Drawing No.  
**32105801-750-00202**





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  3. THE DESIGN IS BASED ON A NOMINAL 1600mm DIAMETER PIPELINE DELIVERING A MAXIMUM FLOW OF 295 ML/D.
  4. THE PROPOSED ATTENUATION BASIN HAS BEEN DESIGNED TO ACCOMMODATE 1 IN 100 YEAR STORM EVENT WITH 10% UPLIFT APPLIED TO ALLOW FOR CLIMATE CHANGE.

- Legend:
- PROPOSED PROJECT BOUNDARY
  - 1600mmØ INLET PIPEWORK
  - 2.4m HIGH PALISADE FENCING
  - ELECTRIC OVERHEAD POWERLINE, LOW/MEDIUM VOLTAGE
  - ACCESS TRACK



Rev	Description	M <sup>2</sup> Drawn	SPM Chks	SW App'd.	28.11.24 Date
A01	DESIGN FIX 2				

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 Irish Water

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 COLVILL HOUSE,  
 TALBOT STREET,  
 DUBLIN 1,  
 IRELAND

Call 1890 278 278  
 Int: 00 353 1 707 2828

**Jacobs TOBIN**  
 CONSULTING ENGINEERS

Original By	Drawn By	Checked By	Approved By
MP	JMC	SPM	SW
Date	Date	Date	Date
27.11.24	27.11.24	27.11.24	27.11.24

Scale: 1:1000 @ A1 DO NOT SCALE

Project Title  
 WATER SUPPLY PROJECT  
 EASTERN AND MIDLANDS REGION

Drawing Title  
 TERMINATION POINT RESERVOIR  
 PROPOSED SITE LAYOUT / ACCESS  
 FIGURE 69

Drawing Status: FOR ISSUE  
 Jacobs Tobin No. 32105801 Client No. 9318

Drawing No.  
**32105801-600-00785**

