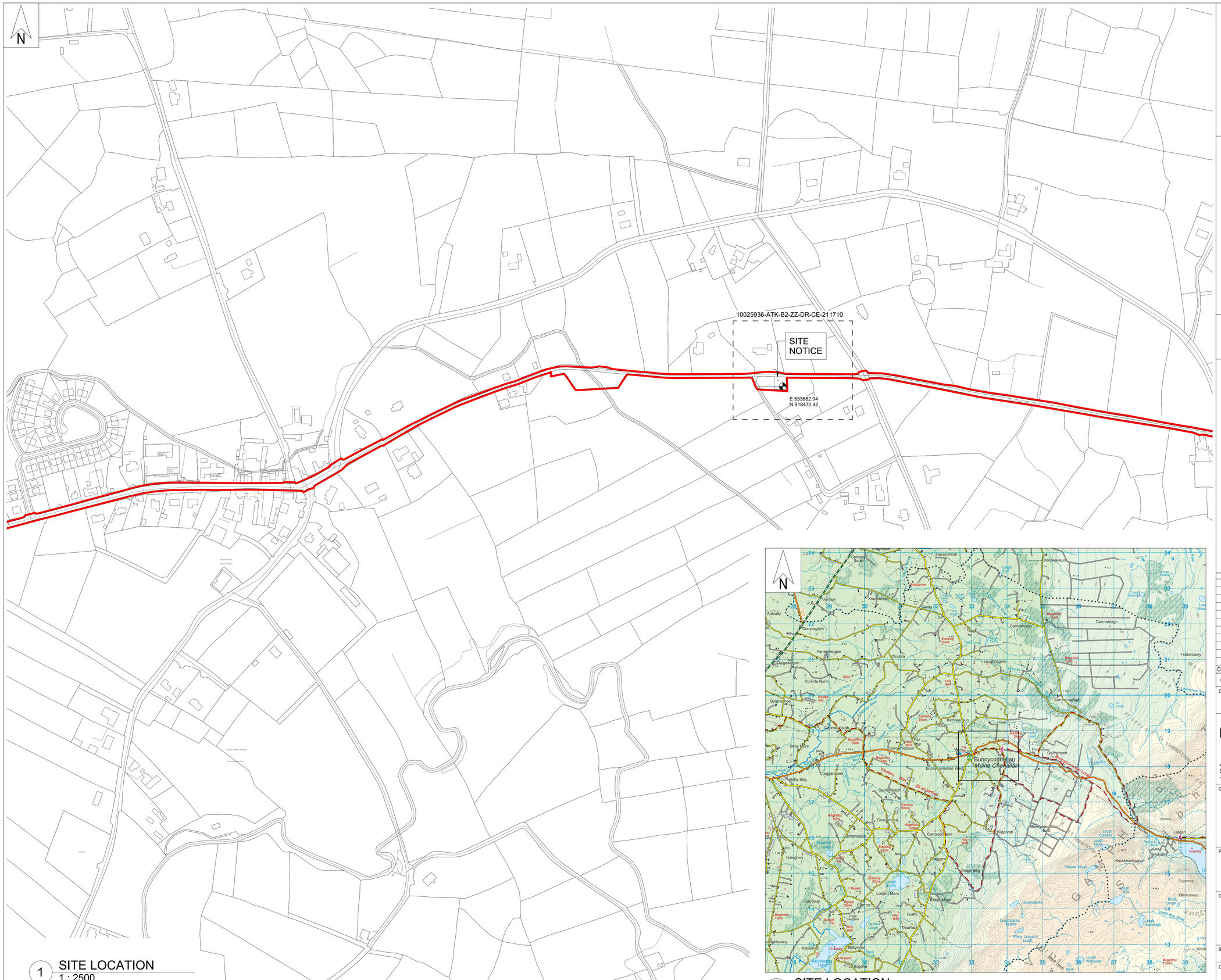
BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

PLANNING DRAWINGS

BONNICONLON TREATED WATER RESERVOIR

DO NOT SCALE

Millimetres 0 10 100



1 SITE LOCATION
1 : 2500

2 SITE LOCATION
1 : 50000

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

REDLINE BOUNDARY
OVERALL PROJECT AREA: circa 45 ha.

E:
N:
GRID REFERENCE LOCATION

1388 OSI SHEET No.



Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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SWORDS, DUBLIN, K67 K5W4.
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Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR SITE LOCATION PLAN

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
A1	31.08.26	31.08.26	31.08.26	31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211701
Revision: C01

Atkins Project Number: 10025936

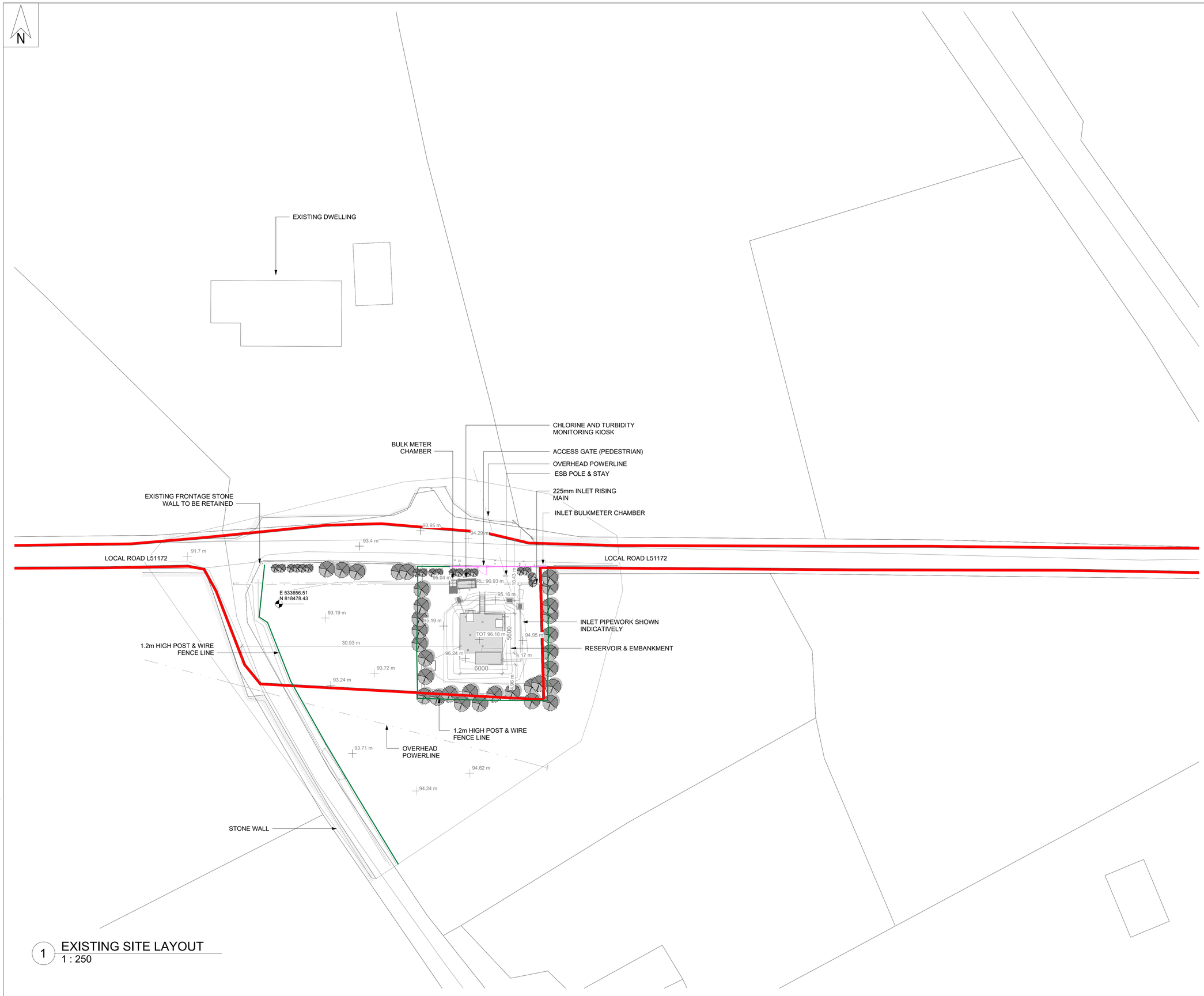
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DO NOT SCALE

Millimetres 0 10 100



1 EXISTING SITE LAYOUT
1 : 250

GENERAL NOTES

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

- REDLINE BOUNDARY (OVERALL PROJECT AREA: circa 45 ha.)
- E: N: GRID REFERENCE LOCATION
- 1388 OSI SHEET No.
- SPOT LEVEL
- WATERMAIN NETWORK
- EXISTING TREE
- EXISTING HEDGEROW
- EXISTING 1.2m HIGH POST & WIRE FENCE
- EXISTING circa 1.8m HIGH POST & MESH FENCE
- EXISTING CHAMBER

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR EXISTING SITE LAYOUT

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
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Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211710
Revision: C01

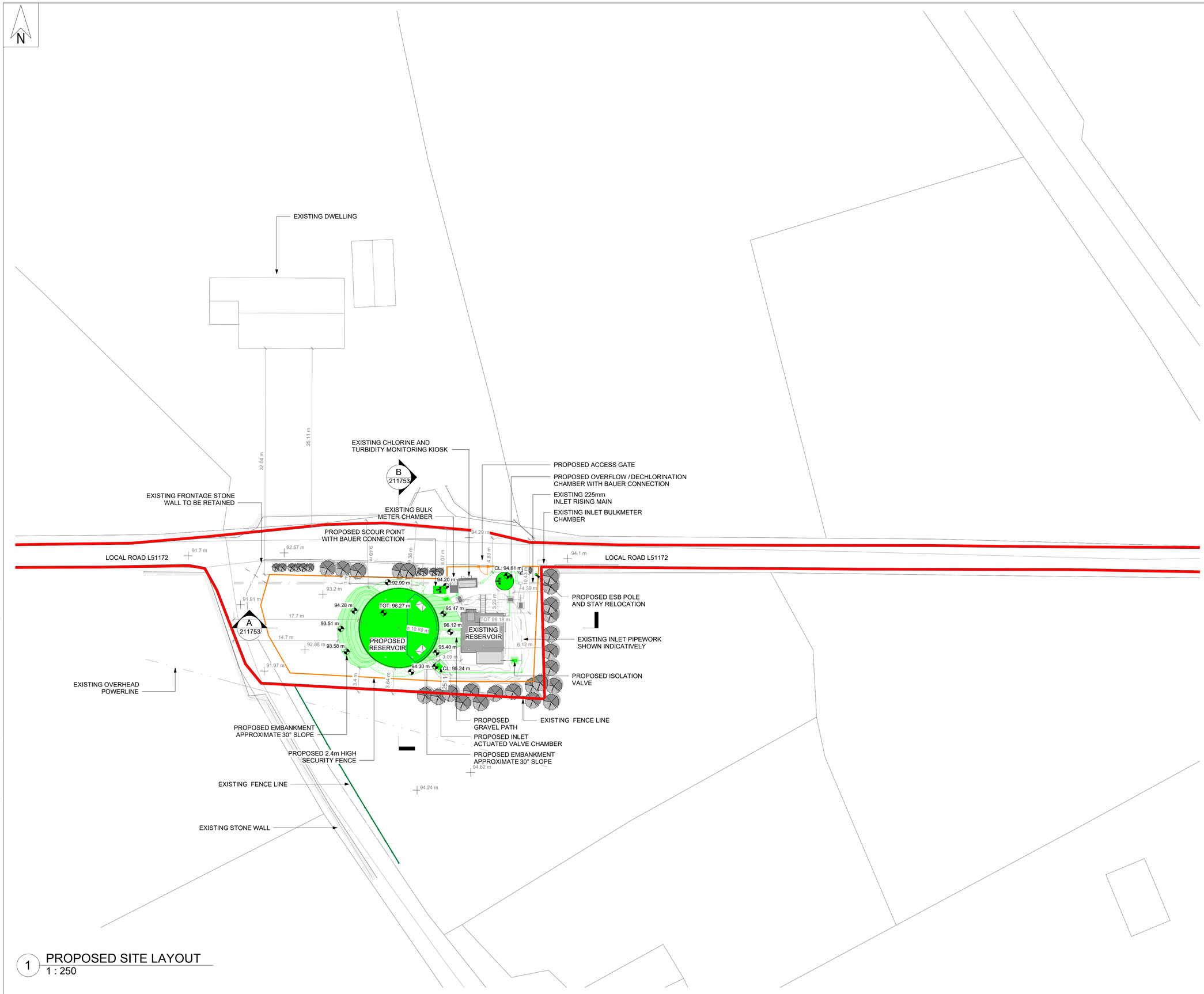
Atkins Project Number: 10025936

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DO NOT SCALE

Millimetres 0 10 100



1 PROPOSED SITE LAYOUT
1 : 250

GENERAL NOTES

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

- REDLINE BOUNDARY (OVERALL PROJECT AREA: circa 45 ha.)
- 1388 — OSI SHEET No.
- E: N: — GRID REFERENCE LOCATION
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL
- TOT: — TOP OF TANK
- CL: — COVER LEVEL
- EXISTING WATERMAIN NETWORK
- EXISTING RESERVOIR PIPEWORK
- PROPOSED RESERVOIR PIPEWORK
- PROPOSED MAINTENANCE PATH WITH PERMEABLE GRAVEL
- PROPOSED EMBANKMENT
- EXISTING TREE
- EXISTING HEDGEROW
- EXISTING CHAMBER
- EXISTING CHAMBER
- EXISTING 1.2M HIGH POST & WIRE FENCE
- PROPOSED 2.4m HIGH SECURITY FENCE

NOTE:

PROPOSED WORKS SHOWN IN GREEN

FOR LANDSCAPING AND FINISHES SEE DRAWING:

10025936-ATK-B2-ZZ-DR-CE-211723

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING — Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR PROPOSED SITE LAYOUT

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
A1	31.08.26	31.08.26	31.08.26	31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211720 Revision: C01

Atkins Project Number: 10025936

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DO NOT SCALE

Millimetres 0 10 100



1 PROPOSED LANDSCAPING LAYOUT
1 : 250

GENERAL NOTES

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3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

- REDLINE BOUNDARY (OVERALL PROJECT AREA: circa 45 ha.)
- 1388 — OSI SHEET No.
- E: N: — GRID REFERENCE LOCATION
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL
- TOT: — TOP OF TANK
- CL: — COVER LEVEL
- EXISTING TREE
- PROPOSED STANDARD TREE
- EXISTING GRASSLAND
- EXISTING HEDGEROW
- PROPOSED HEDGEROWS
- PROPOSED MAINTENANCE PATH WITH PERMEABLE GRAVEL
- PROPOSED EMBANKMENT
- EXISTING 1.2M HIGH POST & WIRE FENCE
- PROPOSED 2.4m HIGH SECURITY FENCE

NOTE:

1. SPECIES FOR THE HEDGEROWS ARE:

   HAWTHORN 25%
   BLACKTHORN 20%
   HAZEL 20%
   ELDER 20%
   SPINDLE 15%

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING — Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR PROPOSED LANDSCAPING LAYOUT

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
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Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211723 — Revision: C01

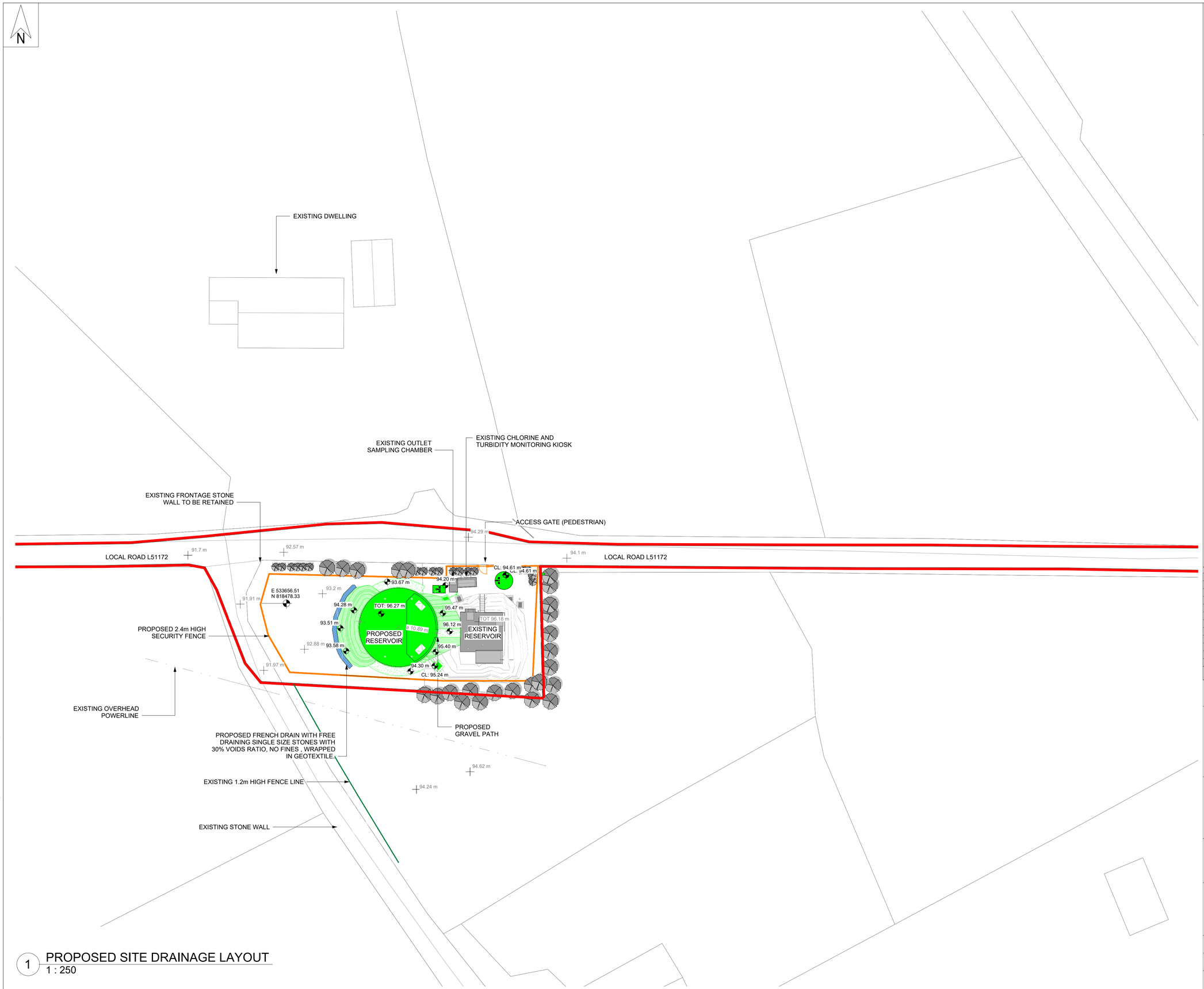
Atkins Project Number: 10025936

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CLASSIFICATION - AtkinsRéalis Base Line (Low Risk)

DO NOT SCALE

Millimetres 0 10 100



1 PROPOSED SITE DRAINAGE LAYOUT
1 : 250

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

- REDLINE BOUNDARY (OVERALL PROJECT AREA: circa 45 ha.)
- 1388 — OSI SHEET No.
- E: N: — GRID REFERENCE LOCATION
- EXISTING SPOT LEVEL
- PROPOSED SPOT LEVEL
- TOT: — TOP OF TANK
- CL: — COVER LEVEL
- PROPOSED MAINTENANCE PATH WITH PERMEABLE GRAVEL
- PROPOSED EMBANKMENT
- PROPOSED FRENCH DRAIN

NOTE:

PROPOSED WORKS SHOWN IN GREEN

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-CE-211720
10025936-ATK-B2-ZZ-DR-CE-211723

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR PROPOSED SITE DRAINAGE LAYOUT

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	**Date**	**Date**	**Date**	**Date**
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Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211724
Revision: C01

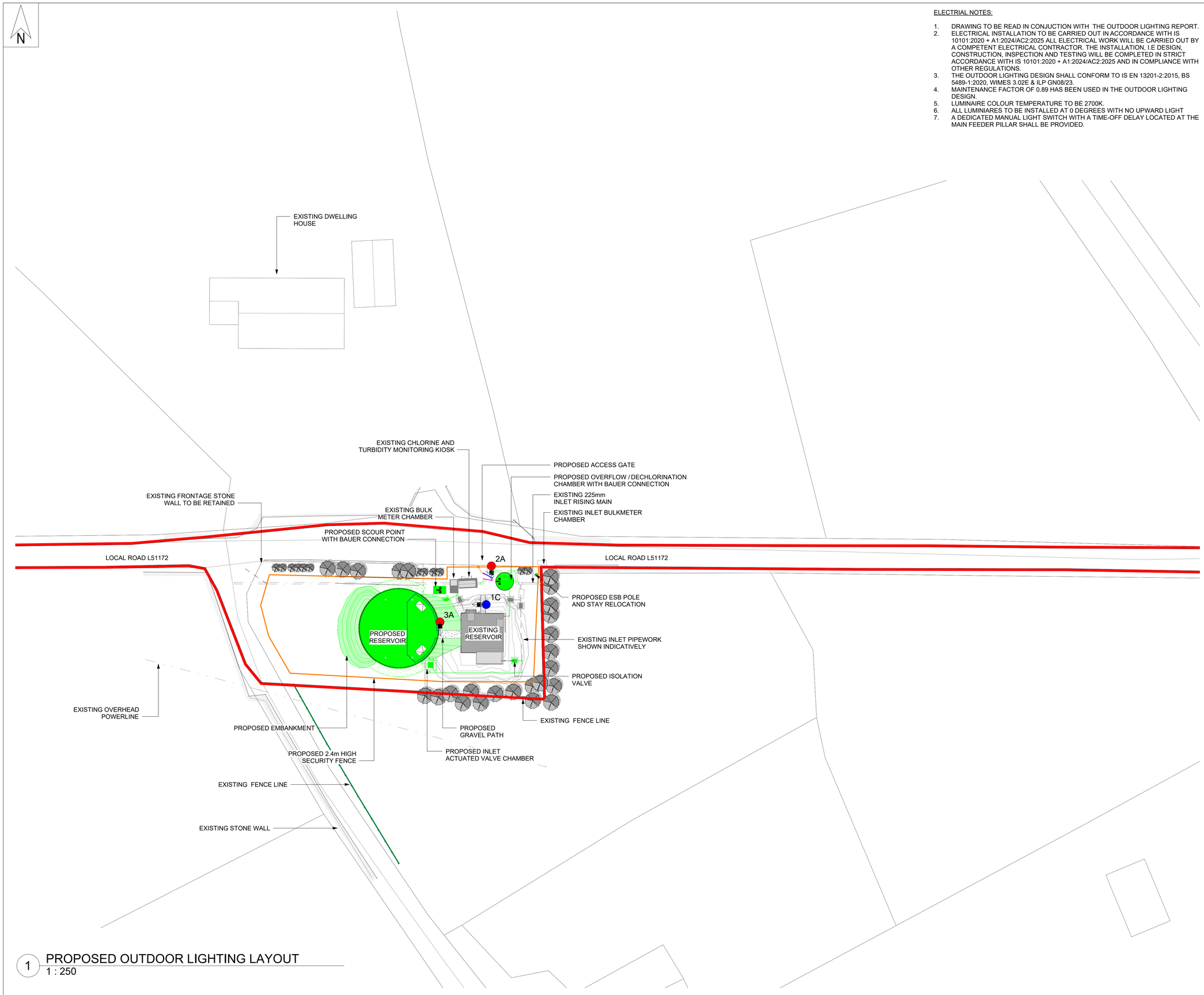
Atkins Project Number: 10025936

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DO NOT SCALE

Millimetres 0 10 100



1 PROPOSED OUTDOOR LIGHTING LAYOUT
1 : 250

ELECTRIAL NOTES:

1. DRAWING TO BE READ IN CONJUCTION WITH THE OUTDOOR LIGHTING REPORT.
2. ELECTRICAL INSTALLATION TO BE CARRIED OUT IN ACCORDANCE WITH IS 10101:2020 + A1:2024/AC2:2025 ALL ELECTRICAL WORK WILL BE CARRIED OUT BY A COMPETENT ELECTRICAL CONTRACTOR. THE INSTALLATION, I.E DESIGN, CONSTRUCTION, INSPECTION AND TESTING WILL BE COMPLETED IN STRICT ACCORDANCE WITH IS 10101:2020 + A1:2024/AC2:2025 AND IN COMPLIANCE WITH OTHER REGULATIONS.
3. THE OUTDOOR LIGHTING DESIGN SHALL CONFORM TO IS EN 13201-2:2015, BS 5489-1:2020, WIMES 3.02E & ILP GN08/23.
4. MAINTENANCE FACTOR OF 0.89 HAS BEEN USED IN THE OUTDOOR LIGHTING DESIGN.
5. LUMINAIRE COLOUR TEMPERATURE TO BE 2700K.
6. ALL LUMINIARES TO BE INSTALLED AT 0 DEGREES WITH NO UPWARD LIGHT
7. A DEDICATED MANUAL LIGHT SWITCH WITH A TIME-OFF DELAY LOCATED AT THE MAIN FEEDER PILLAR SHALL BE PROVIDED.

GENERAL NOTES

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3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

LEGEND:

- REDLINE BOUNDARY (OVERALL PROJECT AREA: circa 45 ha.)
- 1388 OSI SHEET No.
- E: N: GRID REFERENCE LOCATION
- 1.2M HIGH POST & WIRE FENCE
- 2.4m HIGH SECURITY FENCE

LIGHTING LEGEND:

- LUMINAIRE TYPE A: 1-1.5m HIGH BOLLARD
- LUMINAIRE TYPE C: HANDRAIL MOUNTED
- BEAM AIMING TARGET
- PHOTOMETRIC CENTRE
- 5.0 LUX
- 10 LUX
- 15 LUX

LIGHTING CLASS:

P4 FOR THE MAIN ENTRANCE (EAV= 5-7.5LUX,EMIN=1LUX)
P3 FOR THE PATH BETWEEN RESERVOIRS (EAV= 7.5-11.25LUX,EMIN=1.5LUX)

LUMINAIRE TYPE A:
HORIZONTAL ILLUMINANCE (LUX)
EAV= 6.94
EMIN= 1.01
EMAX= 23.76
EMIN/EMAX= 0.04
EMIN/EAV= 0.15
EMAX/EAV= 3.43

LUMINAIRE TYPE C:
HORIZONTAL ILLUMINANCE (LUX)
EAV= 8.71
EMIN= 4.18
EMAX= 13.39
EMIN/EMAX= 0.31
EMIN/EAV= 0.48
EMAX/EAV= 1.54

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-211720

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	AJ	MB	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR PROPOSED OUTDOOR LIGHTING LAYOUT

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	AJ	MB	TM
Original Size	Date	Date	Date	Date
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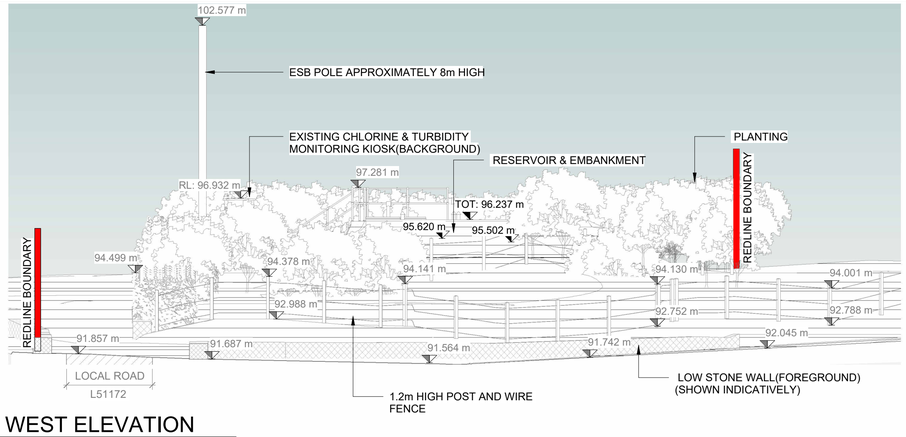
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Revision: C01

Atkins Project Number: 10025936

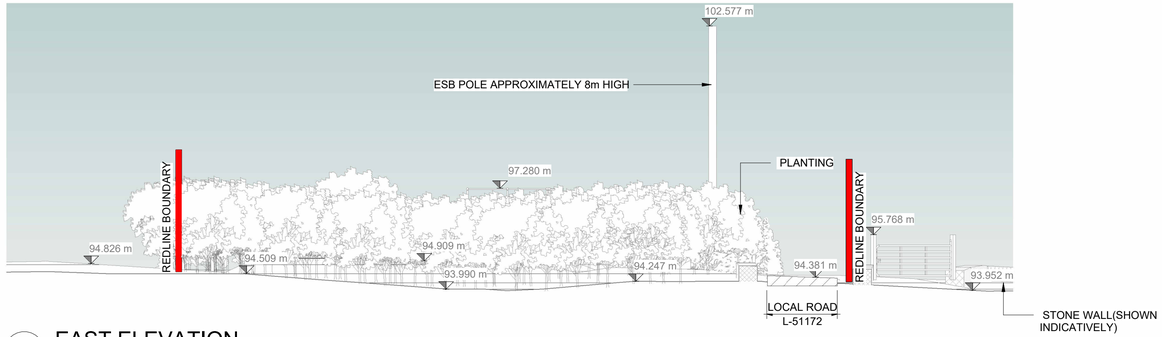
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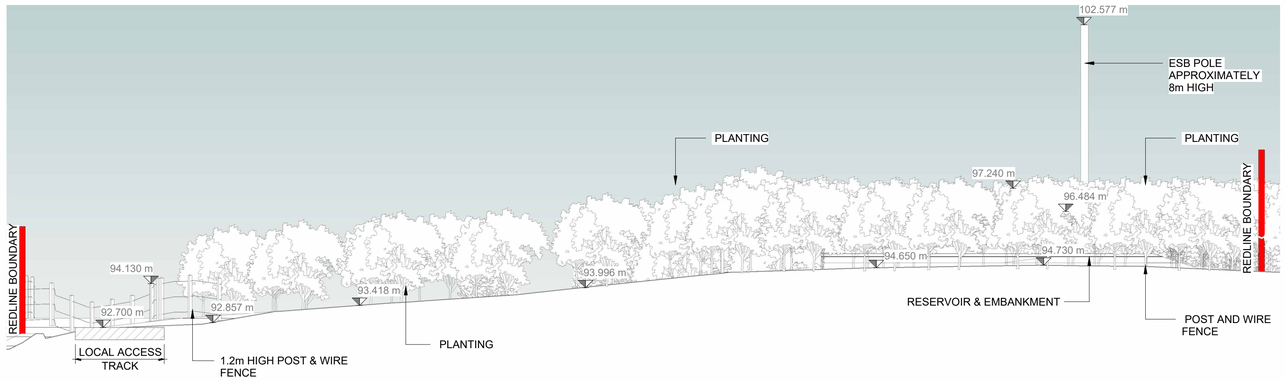
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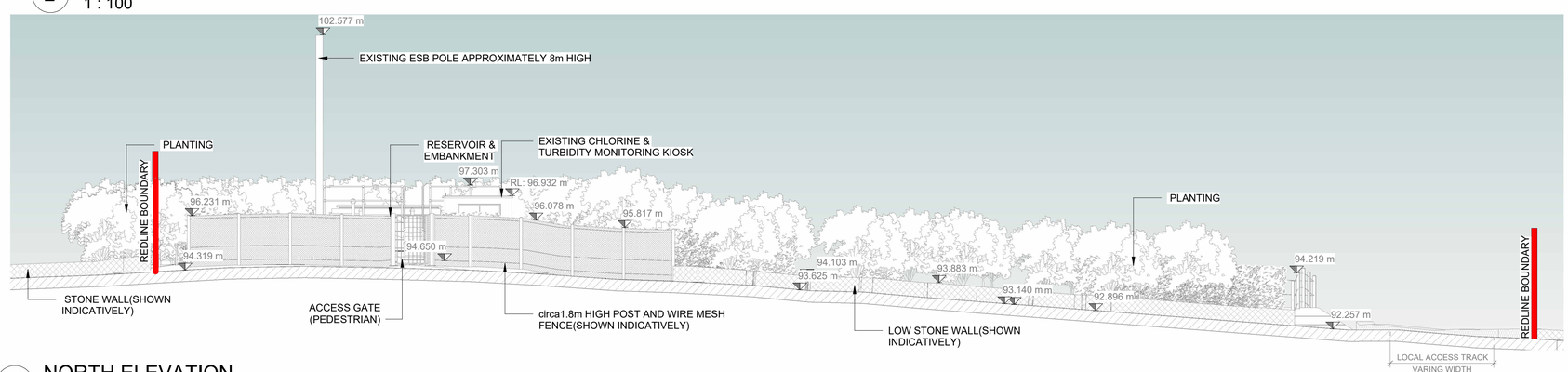
4 WEST ELEVATION
1 : 100



3 EAST ELEVATION
1 : 100



2 SOUTH ELEVATION
1 : 100



1 NORTH ELEVATION
1 : 100

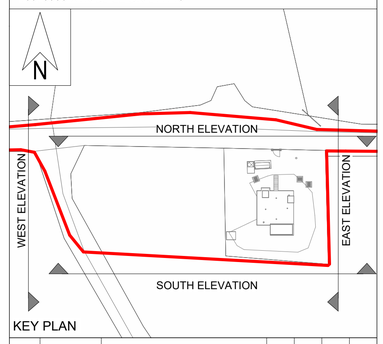
GENERAL NOTES

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

NOTE:

FFL: FINISHED FLOOR LEVEL
RL: RIDGE / ROOF LEVEL
TOT: TOP OF TANK

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-211710



KEY PLAN

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR EXISTING SITE ELEVATIONS

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size: A1	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211750
Revision: C01

Atkins Project Number: 10025936

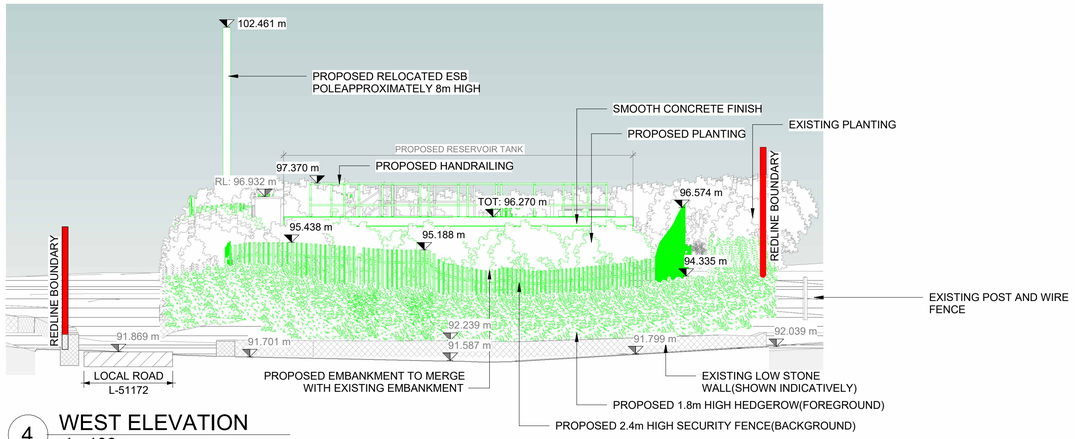
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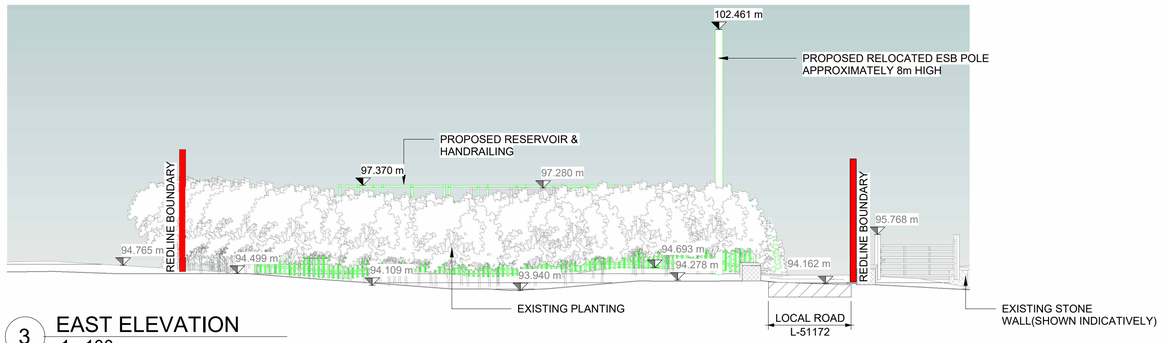
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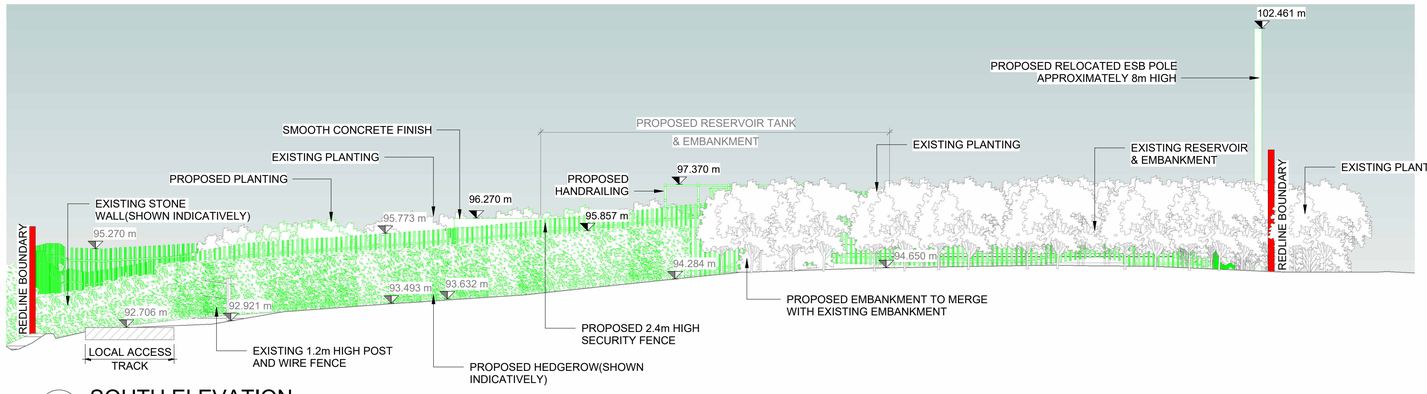
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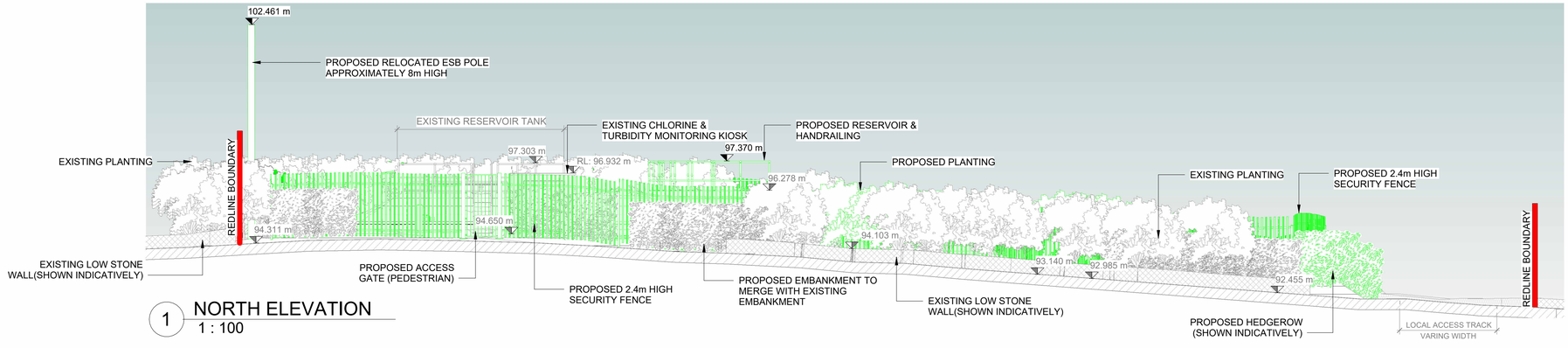
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1 : 100



3 EAST ELEVATION
1 : 100



2 SOUTH ELEVATION
1 : 100



1 NORTH ELEVATION
1 : 100

GENERAL NOTES

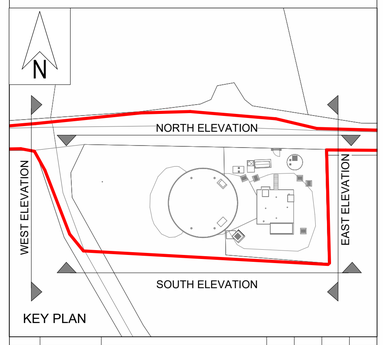
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR

NOTE:

FFL: FINISHED FLOOR LEVEL
RL: RIDGE / ROOF LEVEL
TOT: TOP OF TANK
TOE: TOP OF EMBANKMENT

PROPOSED WORKS SHOWN IN GREEN

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-211720



Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

AtkinsRéalis
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Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR PROPOSED SITE ELEVATIONS

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	**Date**	**Date**	**Date**	**Date**
A1	31.08.26	31.08.26	31.08.26	31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211751
Revision: C01

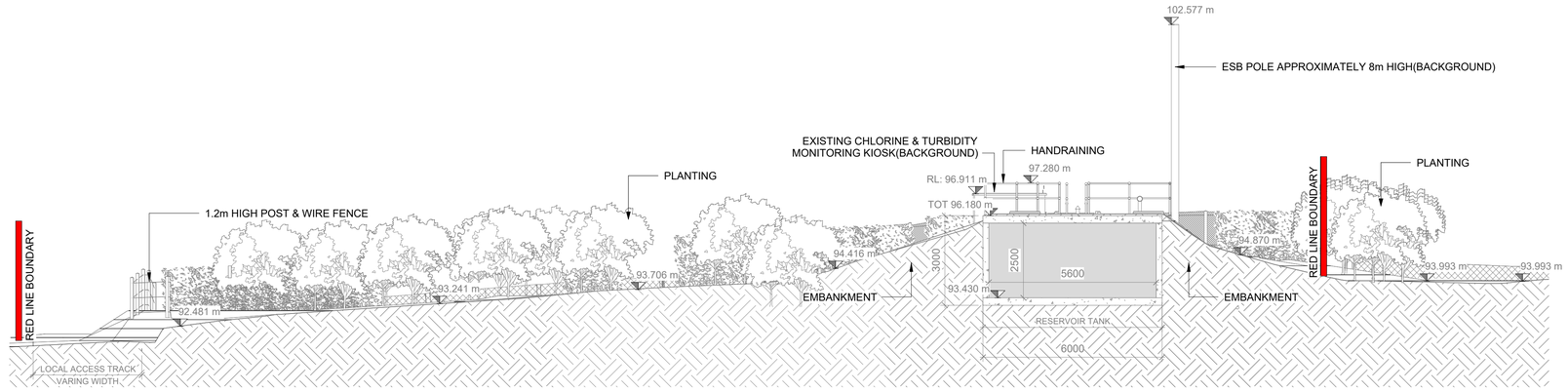
Atkins Project Number: 10025936

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CLASSIFICATION - AtkinsRéalis Base Line (Low Risk)

DO NOT SCALE

Millimetres 0 10 100



A EXISTING SITE SECTION A
1 : 100

B EXISTING SITE SECTION B
1 : 100

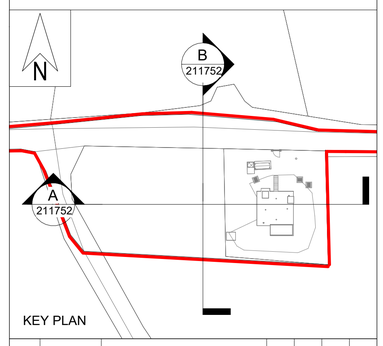
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NOTE:

FFL: FINISHED FLOOR LEVEL
RL: RIDGE / ROOF LEVEL
TOT: TOP OF TANK

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-211710



KEY PLAN

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: BONNICONLON TREATED WATER RESERVOIR EXISTING SITE SECTIONS

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
A1	31.08.26	31.08.26	31.08.26	31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211752
Revision: C01

Atkins Project Number: 10025936

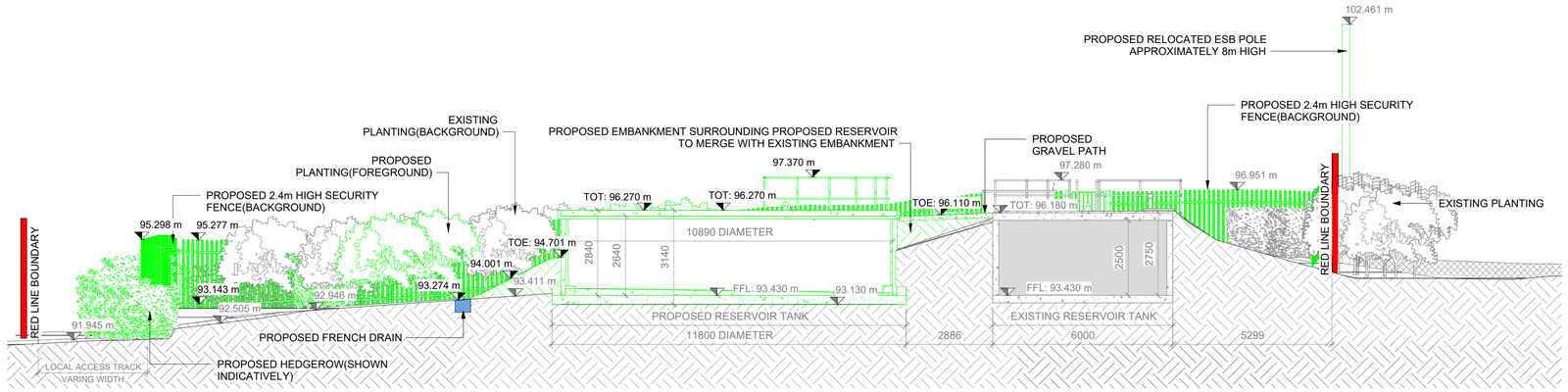
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CLASSIFICATION - AtkinsRéalis Base Line (Low Risk)

DO NOT SCALE

Millimetres 0 10 100



A PROPOSED SITE SECTION A
1 : 100

B PROPOSED SITE SECTION B
1 : 100

GENERAL NOTES

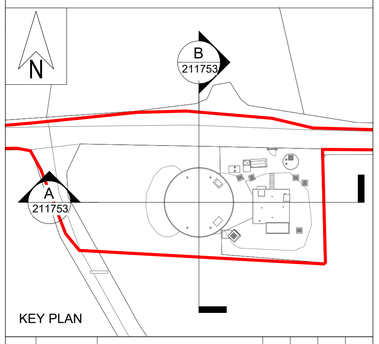
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NOTE:

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RL: RIDGE / ROOF LEVEL
TOT: TOP OF TANK
TOE: TOP OF EMBANKMENT

PROPOSED WORKS SHOWN IN GREEN

REFERENCE DRAWING:
10025936-ATK-B2-ZZ-DR-211720



KEY PLAN

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
C01	31.08.26	PLANNING	AMQ	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANNING
Status: A2

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Tel : +353 1 810 8000 Email : info.ie@atkinsréalis.com

Client: Uisce Éireann Irish Water

Project Title
BALLINA AND LOUGH TALT
WATER SUPPLY UPGRADE

Drawing Title
BONNICONLON TREATED WATER
RESERVOIR
PROPOSED SITE SECTIONS

Scale	Drawn	Checked	Reviewed	Authorised
As indicated	AMQ	ABM	MMcE	TM
Original Size: A1	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26

Drawing Number: 10025936-ATK-B2-ZZ-DR-CE-211753
Revision: C01

Atkins Project Number: 10025936

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