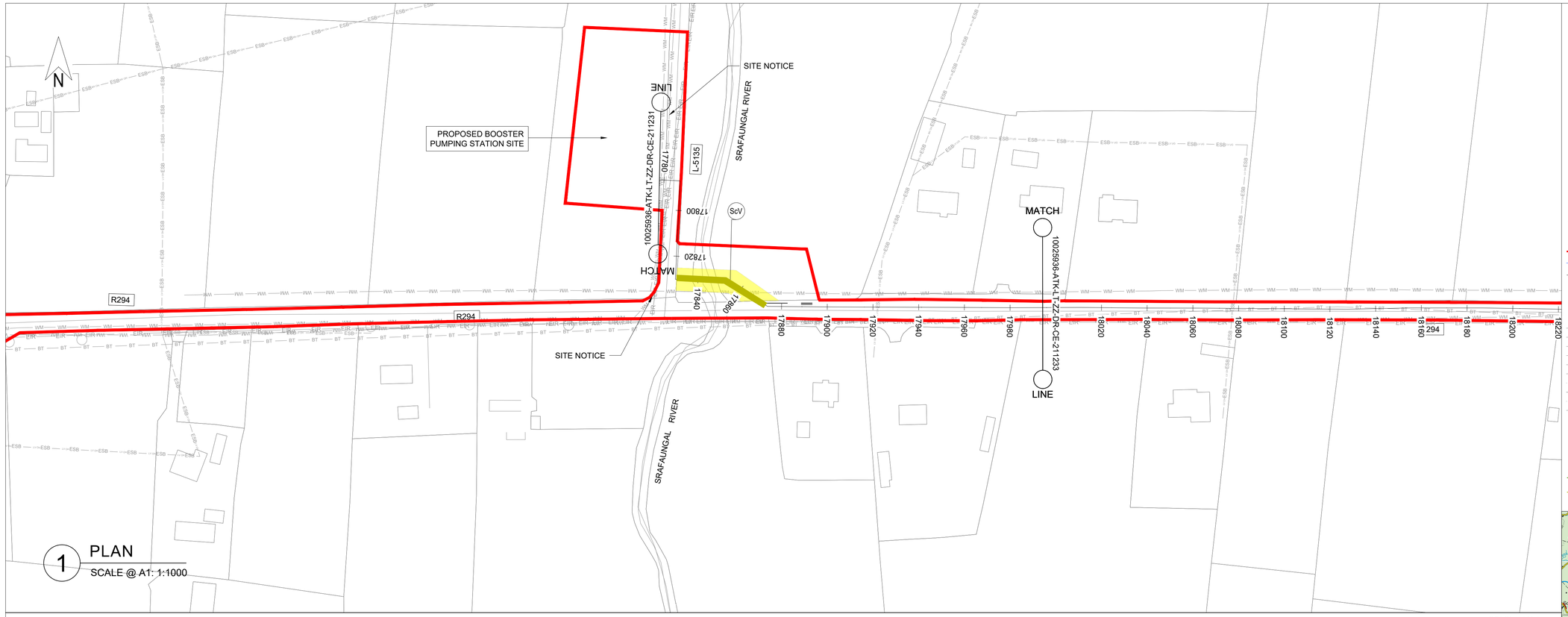
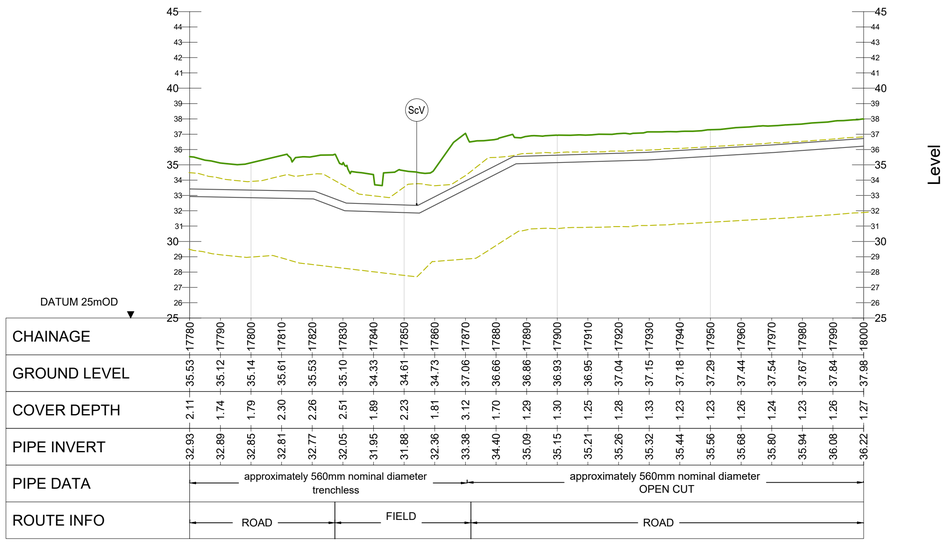
DO NOT SCALE




1 PLAN

SCALE @ A1: 1:1000




| CHAINAGE | 17780 | 17790 | 17800 | 17810 | 17820 | 17830 | 17840 | 17850 | 17860 | 17870 | 17880 | 17890 | 17900 | 17910 | 17920 | 17930 | 17940 | 17950 | 17960 | 17970 | 17980 | 17990 | 18000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 35.53 | 35.12 | 35.14 | 35.61 | 35.53 | 35.10 | 34.33 | 34.61 | 34.73 | 37.06 | 36.66 | 36.86 | 36.93 | 36.95 | 37.04 | 37.15 | 37.18 | 37.29 | 37.44 | 37.54 | 37.67 | 37.84 | 37.98 |
| COVER DEPTH | 2.11 | 1.74 | 1.79 | 2.30 | 2.26 | 2.51 | 1.89 | 2.23 | 1.81 | 3.12 | 1.70 | 1.29 | 1.30 | 1.25 | 1.28 | 1.33 | 1.23 | 1.23 | 1.26 | 1.24 | 1.23 | 1.26 | 1.27 |
| PIPE INVERT | 32.93 | 32.89 | 32.85 | 32.81 | 32.77 | 32.05 | 31.95 | 31.88 | 32.36 | 33.38 | 34.40 | 35.09 | 35.15 | 35.21 | 35.26 | 35.32 | 35.44 | 35.56 | 35.68 | 35.80 | 35.94 | 36.08 | 36.22 |
| PIPE DATA | approximately 560mm nominal diameter trenchless | | | | | | | | | | | | | | | | approximately 560mm nominal diameter OPEN CUT | | | | | | |
| ROUTE INFO | ROAD | | | | | FIELD | | | | | | | | | | | ROAD | | | | | | |

2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

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LEGEND:

PLAN

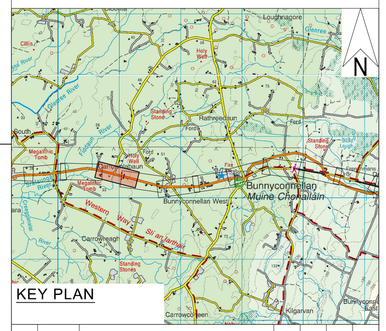
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB HV OVERHEAD
- GAS — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — EXISTING BT
- AV — PROPOSED AIR VALVE
- ScV — PROPOSED SCOUR VALVE

LONGITUDINAL SECTION

- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:

1387.




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANNING — Status: A2


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ATKINS HOUSE,150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 32 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211232 — Revision: C01

Internal Project Number: 100089328

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Millimetres 0 10 100




1 PLAN

SCALE @ A1: 1:1000

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LEGEND:

PLAN

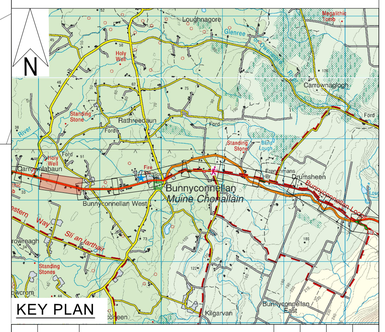
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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LONGITUDINAL SECTION

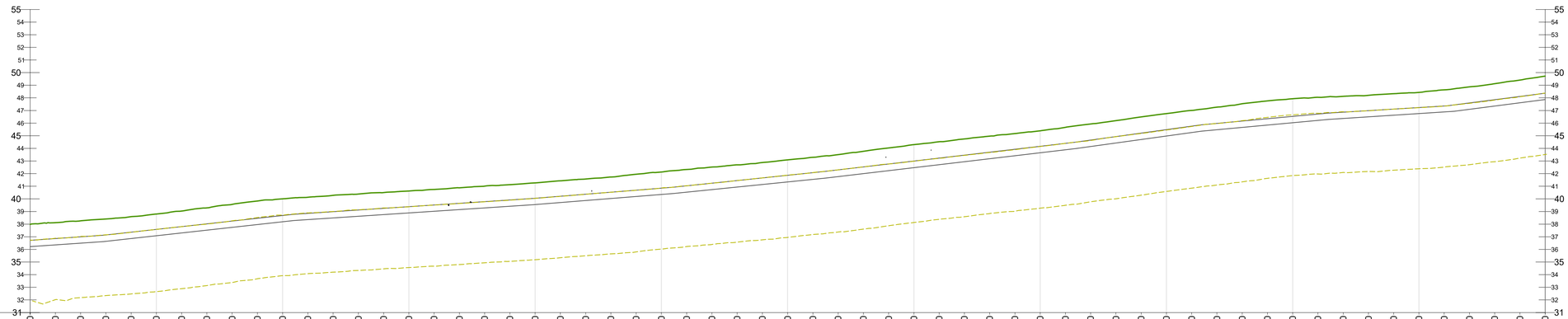
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:

1387




KEY PLAN




2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANNING

Status: A2


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ATKINS HOUSE,150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 33 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211233

Revision: C01

Internal Project Number: 100089328

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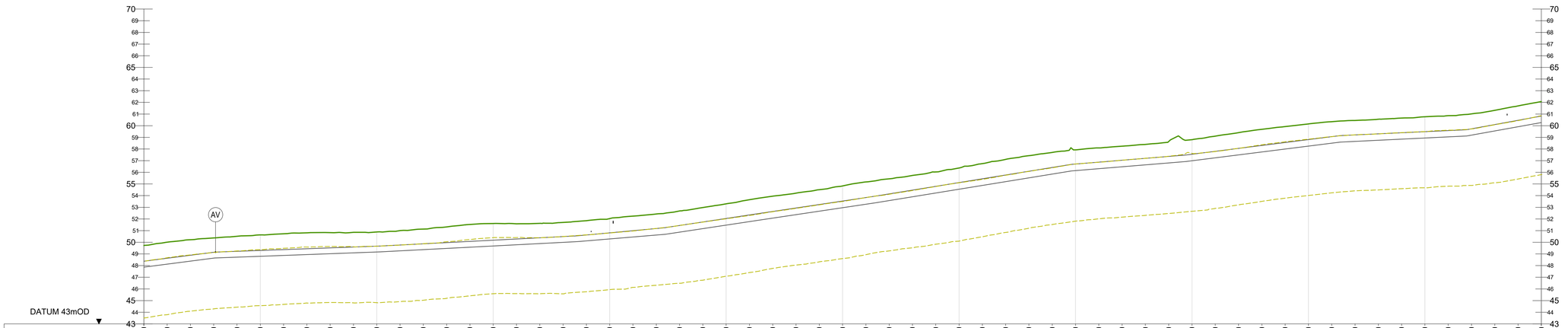

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DO NOT SCALE




1 PLAN

SCALE @ A1: 1:1000




| CHAINAGE | GROUND LEVEL | COVER DEPTH | PIPE INVERT |
|---|---|---|---|
| 18600 | 49.72 | 1.35 | 47.87 |
| 18610 | 50.01 | 1.38 | 48.13 |
| 18620 | 50.22 | 1.33 | 48.38 |
| 18630 | 50.37 | 1.23 | 48.64 |
| 18640 | 50.51 | 1.29 | 48.73 |
| 18650 | 50.64 | 1.34 | 48.80 |
| 18660 | 50.73 | 1.36 | 48.87 |
| 18670 | 50.81 | 1.36 | 48.95 |
| 18680 | 50.83 | 1.31 | 49.02 |
| 18690 | 50.85 | 1.26 | 49.09 |
| 18700 | 50.89 | 1.22 | 49.16 |
| 18710 | 51.00 | 1.24 | 49.26 |
| 18720 | 51.13 | 1.27 | 49.37 |
| 18730 | 51.32 | 1.35 | 49.47 |
| 18740 | 51.53 | 1.45 | 49.58 |
| 18750 | 51.61 | 1.43 | 49.68 |
| 18760 | 51.59 | 1.31 | 49.78 |
| 18770 | 51.62 | 1.24 | 49.89 |
| 18780 | 51.70 | 1.21 | 49.99 |
| 18790 | 51.85 | 1.23 | 50.12 |
| 18800 | 52.04 | 1.23 | 50.29 |
| 18810 | 52.24 | 1.25 | 50.45 |
| 18820 | 52.43 | 1.25 | 50.62 |
| 18830 | 52.68 | 1.25 | 50.87 |
| 18840 | 52.98 | 1.24 | 51.17 |
| 18850 | 53.30 | 1.26 | 51.47 |
| 18860 | 53.65 | 1.31 | 51.78 |
| 18870 | 53.95 | 1.31 | 52.07 |
| 18880 | 54.21 | 1.28 | 52.37 |
| 18890 | 54.51 | 1.27 | 52.67 |
| 18900 | 54.83 | 1.30 | 52.97 |
| 18910 | 55.18 | 1.35 | 53.27 |
| 18920 | 55.44 | 1.30 | 53.58 |
| 18930 | 55.73 | 1.26 | 53.90 |
| 18940 | 56.03 | 1.24 | 54.23 |
| 18950 | 56.37 | 1.25 | 54.55 |
| 18960 | 56.74 | 1.30 | 54.88 |
| 18970 | 57.11 | 1.34 | 55.20 |
| 18980 | 57.43 | 1.34 | 55.53 |
| 18990 | 57.71 | 1.29 | 55.85 |
| 19000 | 57.93 | 1.22 | 56.15 |
| 19010 | 58.09 | 1.22 | 56.31 |
| 19020 | 58.24 | 1.20 | 56.48 |
| 19030 | 58.40 | 1.20 | 56.64 |
| 19040 | 58.64 | 1.28 | 56.80 |
| 19050 | 58.80 | 1.25 | 56.99 |
| 19060 | 59.11 | 1.30 | 57.24 |
| 19070 | 59.41 | 1.35 | 57.49 |
| 19080 | 59.69 | 1.38 | 57.74 |
| 19090 | 59.92 | 1.37 | 58.00 |
| 19100 | 60.15 | 1.34 | 58.25 |
| 19110 | 60.34 | 1.29 | 58.50 |
| 19120 | 60.45 | 1.24 | 58.65 |
| 19130 | 60.55 | 1.26 | 58.75 |
| 19140 | 60.65 | 1.26 | 58.85 |
| 19150 | 60.77 | 1.28 | 58.94 |
| 19160 | 60.86 | 1.28 | 59.04 |
| 19170 | 61.01 | 1.28 | 59.19 |
| 19180 | 61.32 | 1.23 | 59.55 |
| 19190 | 61.70 | 1.24 | 59.91 |
| 19200 | 62.07 | 1.25 | 60.27 |

PIPE DATA: approximately 560mm nominal diameter OPEN CUT

ROUTE INFO: ROAD

2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

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LEGEND:

PLAN

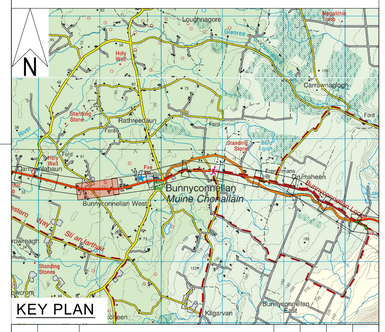
- RED LINE BOUNDARY
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- PROPOSED PIPELINE D
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- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
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- GAS — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

LONGITUDINAL SECTION

- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:

1387, 1388.




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | 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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 34 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211234

Revision: C01

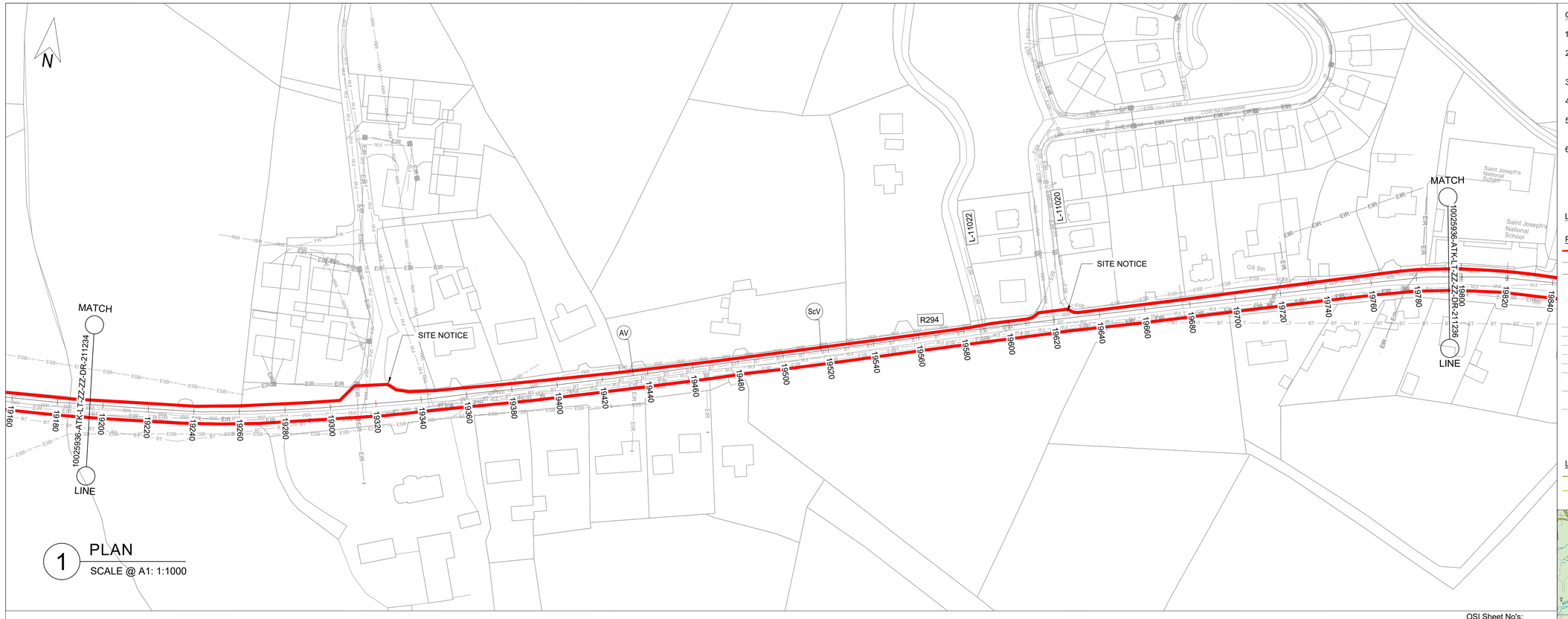
Internal Project Number: 100089328

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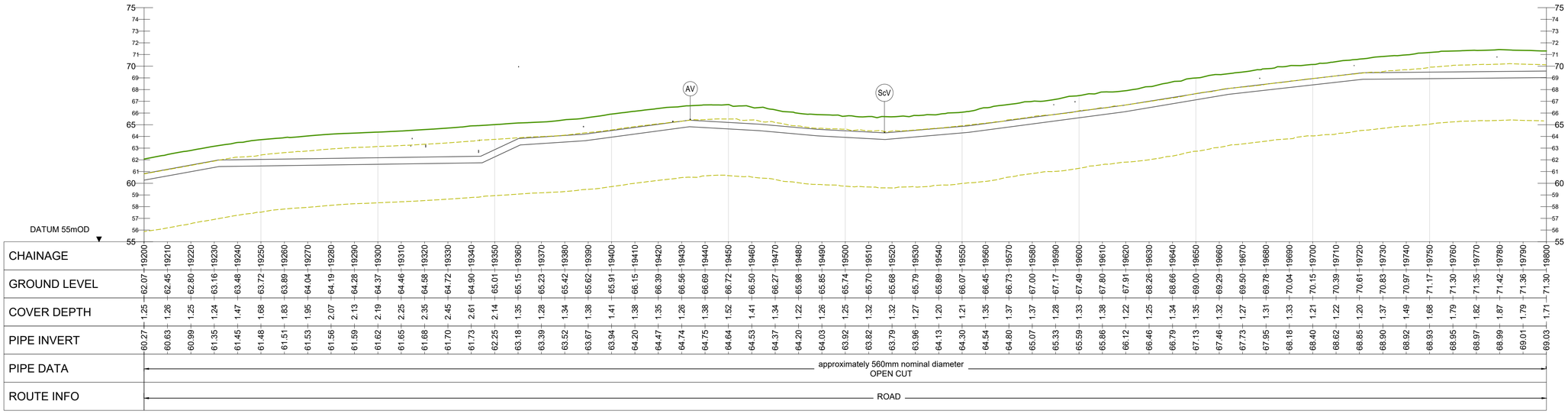
DO NOT SCALE

Millimetres 0 10 100




1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388.




2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

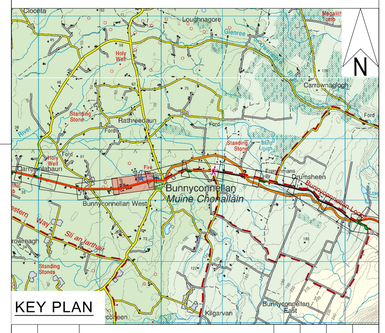
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN (WM)
- EXISTING FOUL SEWER (FW)
- EXISTING ESB MV UNDERGROUND (ESB)
- EXISTING ESB LV UNDERGROUND (ESB)
- EXISTING ESB HV OVERHEAD (ESB)
- EXISTING GAS (GAS)
- EXISTING EIRCOM (EIR)
- EXISTING AURORA TELECOM (TU)
- EXISTING ENET (ENET)
- EXISTING BT (BT)
- AV PROPOSED AIR VALVE
- ScV PROPOSED SCOUR VALVE

LONGITUDINAL SECTION
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANNING
Status: A2

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Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE
PIPELINE D
PLAN & LONGITUDINAL SECTION
SHEET 35 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211235
Revision: C01

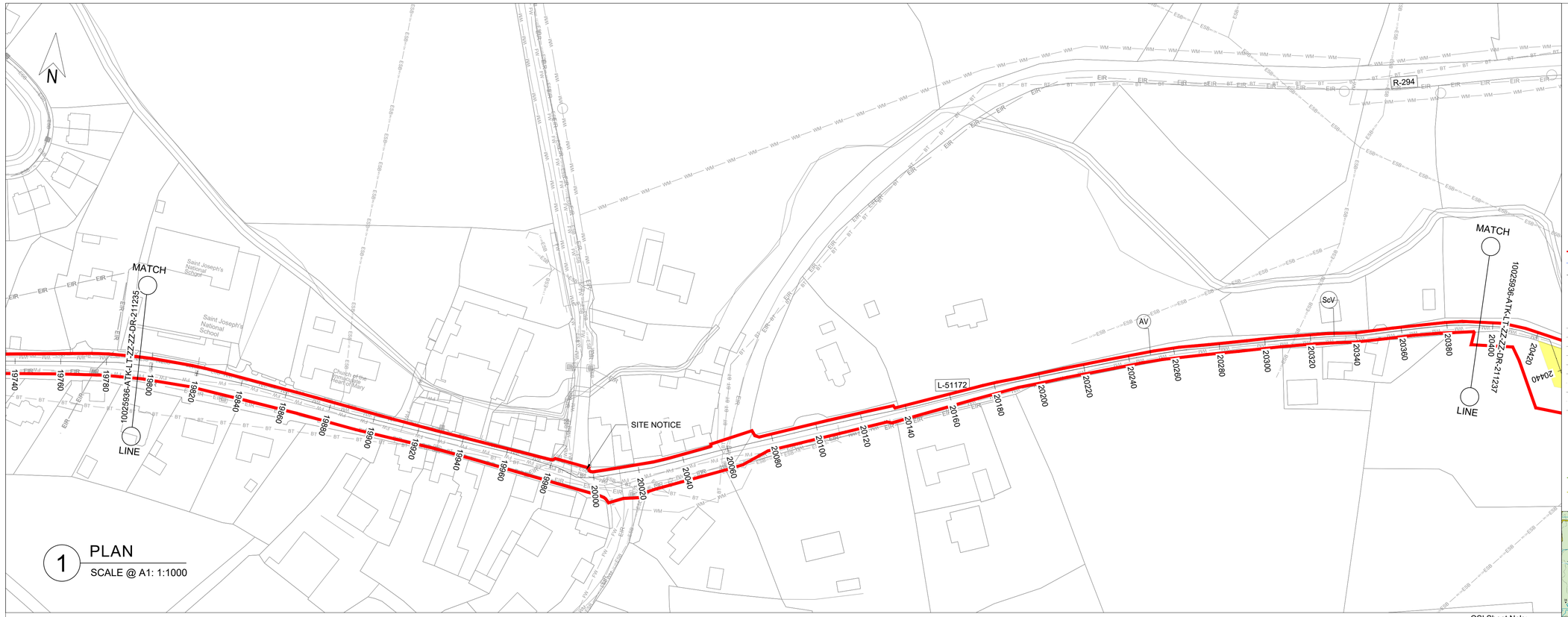
Internal Project Number: 100089328

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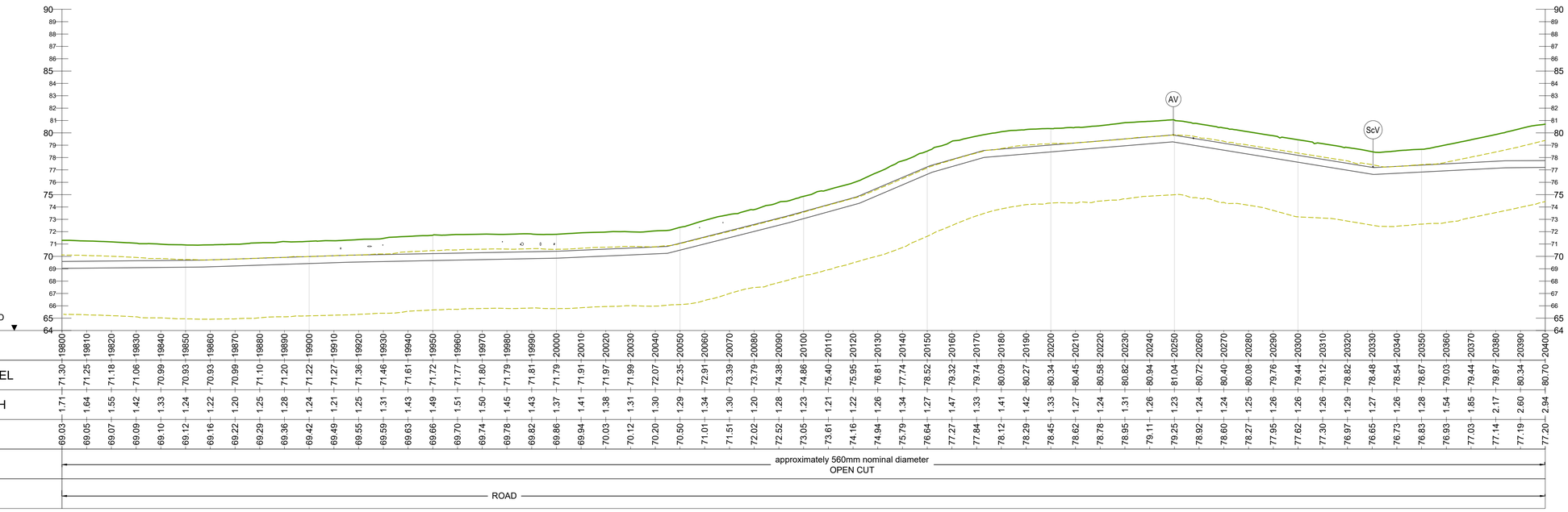
DO NOT SCALE

Millimetres 0 10 100




1 PLAN

SCALE @ A1: 1:1000




2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

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LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- FW FW — EXISTING FOUL SEWER
- ESB ESB — EXISTING ESB MV UNDERGROUND
- ESB ESB — EXISTING ESB LV UNDERGROUND
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- GAS GAS — EXISTING GAS
- EIR EIR — EXISTING EIRCOM
- TU TU — EXISTING AURORA TELECOM
- ENET ENET — EXISTING ENET
- BT BT — EXISTING BT
- AV PROPOSED AIR VALVE
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LONGITUDINAL SECTION

- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:

1388.




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANNING

Status: A2


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ATKINS HOUSE,150 AIRSIDE BUSINESS PARK, SWORDS, DUBLIN, K67 K5W4.

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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 36 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211236

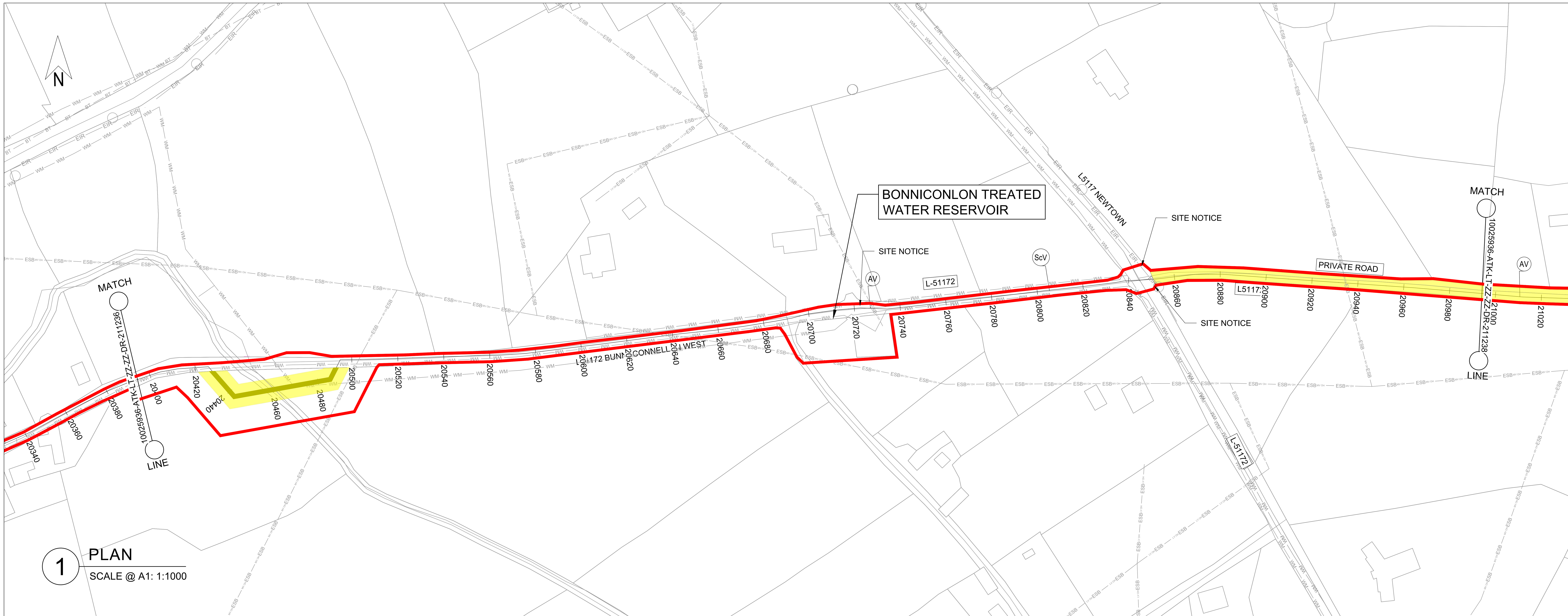
Revision: C01

Internal Project Number: 100089328

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## 1 PLAN

SCALE @ A1: 1:1000

## GENERAL NOTES

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## LEGEND:

### PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB MV UG — EXISTING ESB MV UNDERGROUND
- ESB LV UG — EXISTING ESB LV UNDERGROUND
- ESB 110kv OH — EXISTING ESB HV OVERHEAD
- GAS DMP — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — EXISTING BT
- AV — PROPOSED AIR VALVE
- ScV — PROPOSED SCOUR VALVE

### LONGITUDINAL SECTION

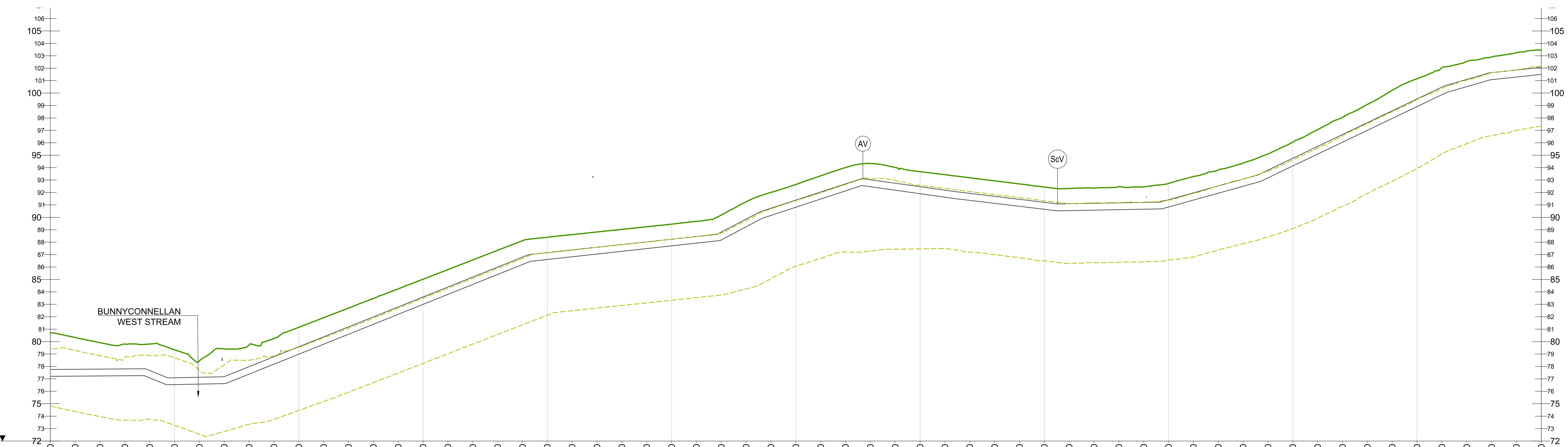
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)




KEY PLAN

OSI Sheet No's:

1388.




DATUM 72mOD

| CHAINAGE | 20400 | 20410 | 20420 | 20430 | 20440 | 20450 | 20460 | 20470 | 20480 | 20490 | 20500 | 20510 | 20520 | 20530 | 20540 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 80.70 | 80.33 | 79.91 | 79.80 | 79.80 | 79.34 | 78.46 | 79.41 | 79.74 | 80.25 | 81.15 | 81.92 | 82.70 | 83.47 | 84.24 |
| COVER DEPTH | 2.94 | 2.55 | 2.12 | 2.00 | 2.13 | 2.25 | 1.32 | 2.23 | 1.75 | 1.46 | 1.57 | 1.53 | 1.51 | 1.48 | 1.45 |
| PIPE INVERT | 77.20 | 77.22 | 77.24 | 77.25 | 77.08 | 76.54 | 76.58 | 76.62 | 77.39 | 78.19 | 78.99 | 79.79 | 80.60 | 81.40 | 82.20 |

| CHAINAGE | 20550 | 20560 | 20570 | 20580 | 20590 | 20600 | 20610 | 20620 | 20630 | 20640 | 20650 | 20660 | 20670 | 20680 | 20690 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 85.02 | 85.79 | 86.57 | 87.35 | 88.12 | 88.40 | 88.61 | 88.82 | 89.03 | 89.24 | 89.45 | 89.68 | 90.19 | 91.25 | 92.01 |
| COVER DEPTH | 1.43 | 1.40 | 1.37 | 1.35 | 1.32 | 1.23 | 1.23 | 1.23 | 1.22 | 1.22 | 1.21 | 1.22 | 1.37 | 1.39 | 1.27 |
| PIPE INVERT | 83.00 | 83.80 | 84.60 | 85.40 | 86.20 | 86.61 | 86.83 | 87.05 | 87.27 | 87.49 | 87.71 | 87.93 | 88.18 | 89.24 | 90.15 |

| CHAINAGE | 20700 | 20710 | 20720 | 20730 | 20740 | 20750 | 20760 | 20770 | 20780 | 20790 | 20800 | 20810 | 20820 | 20830 | 20840 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 92.65 | 93.34 | 94.01 | 94.33 | 94.01 | 93.68 | 93.43 | 93.18 | 92.94 | 92.69 | 92.44 | 92.32 | 92.35 | 92.47 | 92.45 |
| COVER DEPTH | 1.26 | 1.30 | 1.31 | 1.30 | 1.27 | 1.21 | 1.25 | 1.26 | 1.25 | 1.24 | 1.23 | 1.22 | 1.22 | 1.31 | 1.25 |
| PIPE INVERT | 90.81 | 91.47 | 92.13 | 92.47 | 92.18 | 91.90 | 91.62 | 91.36 | 91.13 | 90.89 | 90.65 | 90.54 | 90.58 | 90.62 | 90.66 |

| CHAINAGE | 20850 | 20860 | 20870 | 20880 | 20890 | 20900 | 20910 | 20920 | 20930 | 20940 | 20950 | 20960 | 20970 | 20980 | 20990 | 21000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 92.73 | 93.28 | 93.81 | 94.37 | 95.10 | 96.05 | 97.06 | 98.06 | 99.08 | 100.22 | 101.16 | 102.04 | 102.54 | 102.91 | 103.25 | 103.48 |
| COVER DEPTH | 1.31 | 1.31 | 1.29 | 1.29 | 1.30 | 1.30 | 1.35 | 1.39 | 1.47 | 1.65 | 1.63 | 1.55 | 1.44 | 1.27 | 1.40 | 1.41 |
| PIPE INVERT | 90.83 | 91.39 | 91.94 | 92.50 | 93.18 | 94.13 | 95.09 | 96.04 | 97.00 | 97.96 | 98.91 | 99.87 | 100.52 | 101.08 | 101.29 | 101.50 |

| | 20400–20440 | 20440–20490 | 20490–21000 |
|---|---|---|---|
| PIPE DATA | approximately 560mm nominal diameter OPEN CUT | approximately 560mm nominal diameter TRENCHLESS | approximately 560mm nominal diameter OPEN CUT |

ROUTE INFO: ROAD | FIELD | ROAD

## 2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: **PROJECT PLANNING** — Status: **A2**


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ATKINS HOUSE,150 AIRSIDE BUSINESS PARK, SWORDS, DUBLIN, K67 K5W4.

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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 37 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | ABM | MMcE | TM |
| Original Size A1 | Date 31.08.26 | Date 31.08.26 | Date 31.08.26 | Date 31.08.26 |

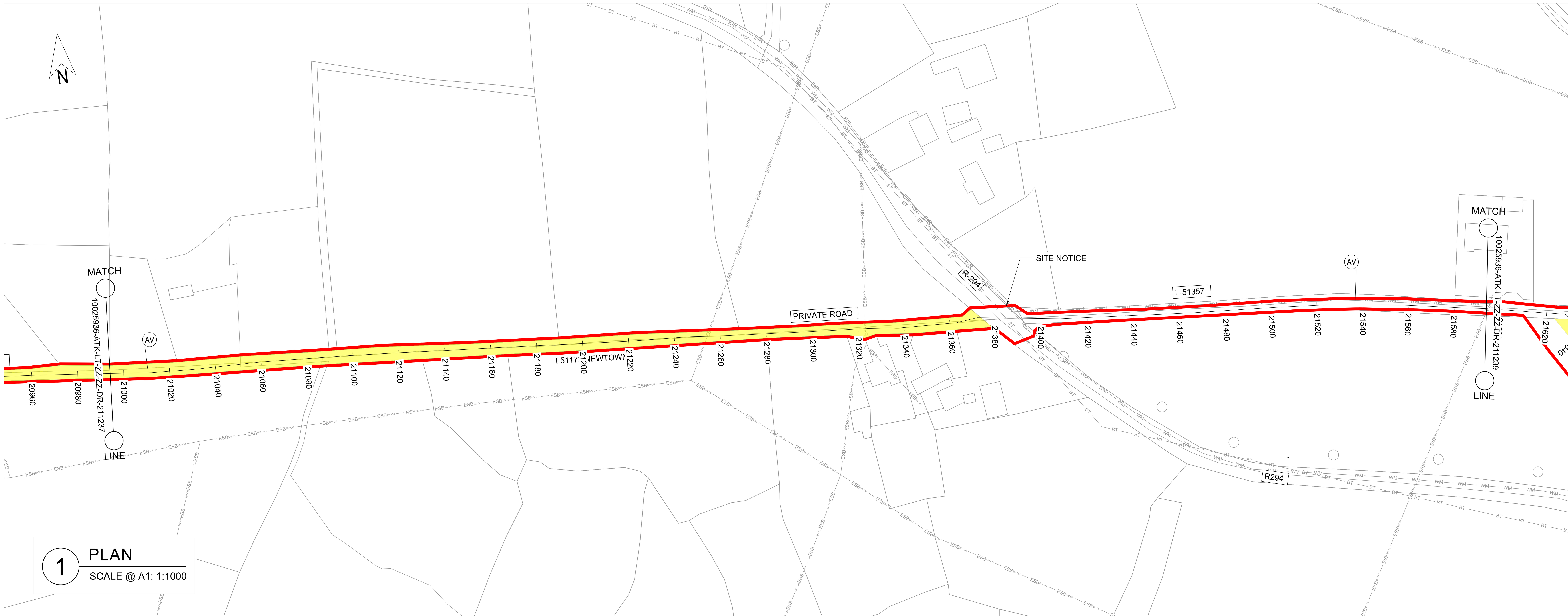
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211237 — Revision: C01

Internal Project Number: 100089328

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1 PLAN
SCALE @ A1: 1:1000

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LEGEND:

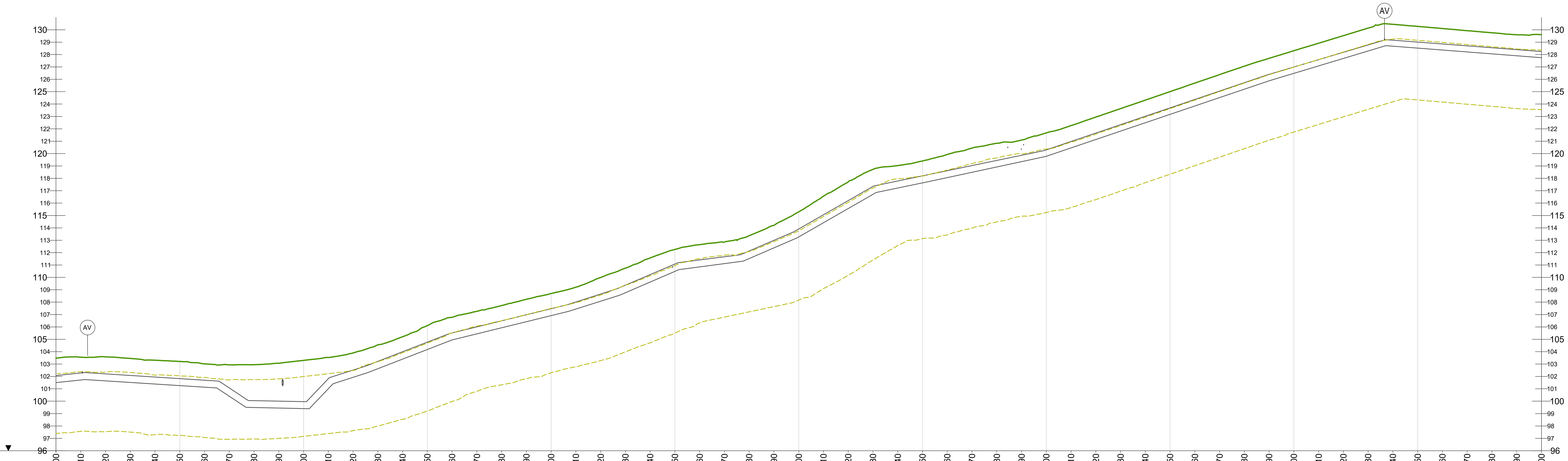
PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
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- BT — EXISTING BT
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LONGITUDINAL SECTION
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)




KEY PLAN

OSI Sheet No's:
1388.




| CHAINAGE | GROUND LEVEL | COVER DEPTH | PIPE INVERT |
|---|---|---|---|
| 21000 | 103.48 | 1.41 | 101.50 |
| 21010 | 103.56 | 1.28 | 101.72 |
| 21020 | 103.58 | 1.38 | 101.65 |
| 21030 | 103.45 | 1.38 | 101.52 |
| 21040 | 103.31 | 1.36 | 101.39 |
| 21050 | 103.21 | 1.39 | 101.26 |
| 21060 | 103.02 | 1.32 | 101.14 |
| 21070 | 102.94 | 1.86 | 100.40 |
| 21080 | 102.95 | 2.91 | 99.49 |
| 21090 | 103.07 | 3.06 | 99.45 |
| 21100 | 103.30 | 3.34 | 99.40 |
| 21110 | 103.54 | 1.72 | 101.01 |
| 21120 | 103.90 | 1.38 | 101.93 |
| 21130 | 104.55 | 1.33 | 102.62 |
| 21140 | 105.21 | 1.21 | 103.40 |
| 21150 | 106.11 | 1.34 | 104.17 |
| 21160 | 106.78 | 1.26 | 104.95 |
| 21170 | 107.26 | 1.25 | 105.44 |
| 21180 | 107.73 | 1.23 | 105.93 |
| 21190 | 108.23 | 1.24 | 106.42 |
| 21200 | 108.71 | 1.24 | 106.91 |
| 21210 | 109.20 | 1.19 | 107.45 |
| 21220 | 109.99 | 1.33 | 108.08 |
| 21230 | 110.74 | 1.37 | 108.77 |
| 21240 | 111.57 | 1.34 | 109.63 |
| 21250 | 112.26 | 1.18 | 110.49 |
| 21260 | 112.64 | 1.23 | 110.85 |
| 21270 | 112.86 | 1.19 | 111.12 |
| 21280 | 113.37 | 1.23 | 111.53 |
| 21290 | 114.21 | 1.22 | 112.39 |
| 21300 | 115.29 | 1.38 | 113.27 |
| 21310 | 116.56 | 1.50 | 114.41 |
| 21320 | 117.72 | 1.51 | 115.56 |
| 21330 | 118.72 | 1.37 | 116.71 |
| 21340 | 119.03 | 1.24 | 117.22 |
| 21350 | 119.40 | 1.20 | 117.63 |
| 21360 | 119.93 | 1.31 | 118.06 |
| 21370 | 120.45 | 1.41 | 118.49 |
| 21380 | 120.83 | 1.39 | 118.92 |
| 21390 | 121.09 | 1.23 | 119.35 |
| 21400 | 121.67 | 1.37 | 119.78 |
| 21410 | 122.26 | 1.28 | 120.46 |
| 21420 | 122.95 | 1.29 | 121.14 |
| 21430 | 123.63 | 1.30 | 121.81 |
| 21440 | 124.32 | 1.31 | 122.49 |
| 21450 | 125.01 | 1.32 | 123.17 |
| 21460 | 125.69 | 1.33 | 123.84 |
| 21470 | 126.38 | 1.33 | 124.52 |
| 21480 | 127.06 | 1.33 | 125.20 |
| 21490 | 127.69 | 1.30 | 125.88 |
| 21500 | 128.31 | 1.32 | 126.48 |
| 21510 | 128.92 | 1.33 | 127.08 |
| 21520 | 129.53 | 1.34 | 127.69 |
| 21530 | 130.13 | 1.36 | 128.29 |
| 21540 | 130.44 | 1.28 | 128.68 |
| 21550 | 130.27 | 1.27 | 128.52 |
| 21560 | 130.10 | 1.25 | 128.37 |
| 21570 | 129.93 | 1.23 | 128.21 |
| 21580 | 129.76 | 1.21 | 128.06 |
| 21590 | 129.60 | 1.20 | 127.90 |
| 21600 | 129.61 | 1.37 | 127.74 |

PIPE DATA: approximately 560mm nominal diameter OPEN CUT | approximately 500mm nominal diameter OPEN CUT

ROUTE INFO: PRIVATE ROAD | PUBLIC ROAD

2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: **PROJECT PLANING** | Status: **A2**

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ATKINS HOUSE,150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 38 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211238 | Revision: C01

Internal Project Number: 100089328

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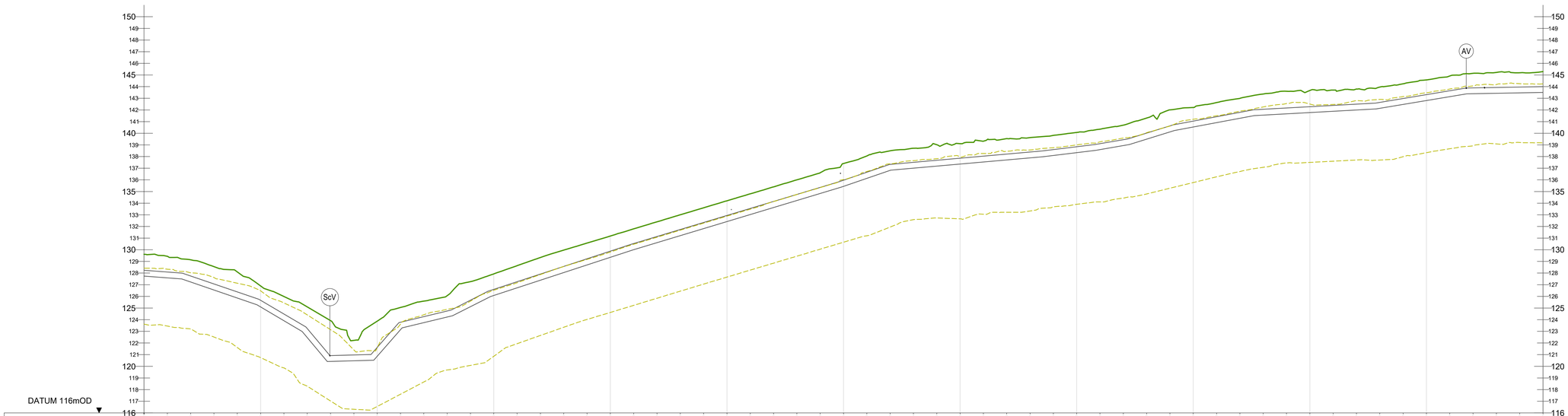

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1 PLAN
SCALE @ A1: 1:1000




2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

GENERAL NOTES

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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN (WM)
- EXISTING FOUL SEWER (FW)
- EXISTING ESB MV UNDERGROUND (ESB)
- EXISTING ESB LV UNDERGROUND (ESB)
- EXISTING ESB HV OVERHEAD (ESB)
- EXISTING GAS (GAS)
- EXISTING EIRCOM (EIR)
- EXISTING AURORA TELECOM (TU)
- EXISTING ENET (ENET)
- EXISTING BT (BT)
- AV PROPOSED AIR VALVE
- ScV PROPOSED SCOUR VALVE

LONGITUDINAL SECTION
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:
1388.




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANING
Status: A2


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Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 39 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211239
Revision: C01

Internal Project Number: 100089328

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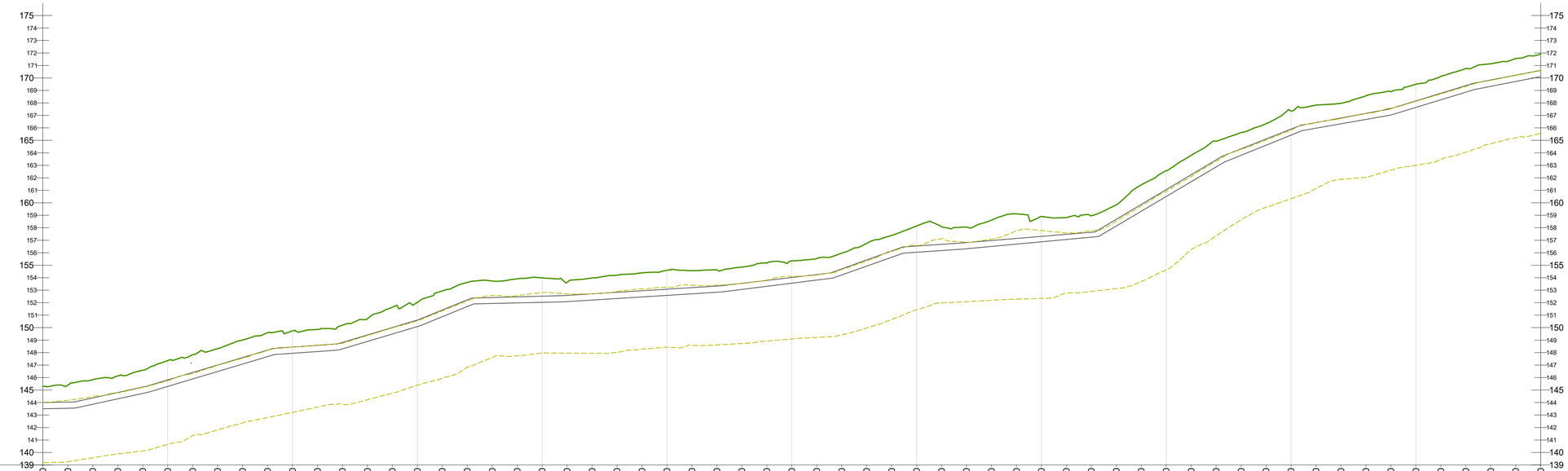
DO NOT SCALE

Millimetres 0 10 100




1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388.




| | |
|---|---|
| CHAINAGE | 22200 22210 22220 22230 22240 22250 22260 22270 22280 22290 22300 22310 22320 22330 22340 22350 22360 22370 22380 22390 22400 22410 22420 22430 22440 22450 22460 22470 22480 22490 22500 22510 22520 22530 22540 22550 22560 22570 22580 22590 22600 22610 22620 22630 22640 22650 22660 22670 22680 22690 22700 22710 22720 22730 22740 22750 22760 22770 22780 22790 22800 |
| GROUND LEVEL | 145.29 145.39 145.84 146.13 146.59 147.36 147.83 148.32 149.01 149.59 149.74 149.86 150.20 150.71 151.64 152.03 152.94 153.62 153.74 153.91 153.98 153.63 153.98 154.20 154.38 154.60 154.57 154.63 154.86 155.17 155.36 155.53 155.97 156.75 156.58 157.39 158.15 158.07 158.05 158.61 159.12 158.91 158.82 158.96 159.84 161.44 162.57 163.80 164.94 165.62 166.35 167.36 167.83 168.91 169.50 170.13 170.77 171.13 171.56 171.98 172.80 |
| COVER DEPTH | 1.29 1.35 1.46 1.33 1.35 1.55 1.42 1.31 1.41 1.39 1.29 1.27 1.38 1.29 1.63 1.42 1.53 1.39 1.33 1.44 1.46 1.05 1.27 1.37 1.43 1.52 1.36 1.30 1.31 1.38 1.34 1.28 1.26 1.32 1.24 1.61 1.39 1.24 1.50 1.63 1.97 1.60 1.34 1.33 1.16 1.57 1.52 1.56 1.50 1.31 1.24 1.46 1.41 1.17 1.41 1.36 1.33 1.36 1.38 1.29 1.33 1.37 1.48 |
| PIPE INVERT | 143.50 143.54 143.86 144.29 144.73 145.29 145.89 146.46 147.08 147.68 147.94 148.08 148.30 148.89 149.49 150.08 150.87 151.69 151.93 151.98 152.03 152.08 152.21 152.33 152.46 152.58 152.71 152.83 153.06 153.31 153.56 153.81 154.22 154.93 155.64 156.04 156.17 156.32 156.50 156.69 156.87 157.06 157.24 158.14 159.32 160.50 161.69 162.87 163.80 164.61 165.42 165.97 166.33 166.68 167.03 167.64 168.25 168.86 169.33 169.72 170.11 |
| PIPE DATA | approximately 500mm nominal diameter OPEN CUT |
| ROUTE INFO | PRIVATE ROAD |

2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

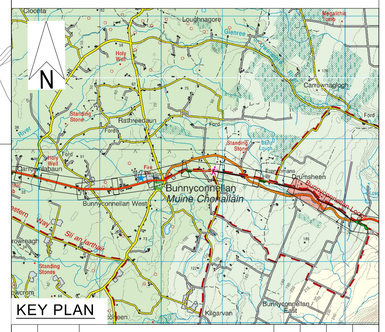
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- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB HV OVERHEAD
- GAS — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — EXISTING BT
- AV — PROPOSED AIR VALVE
- ScV — PROPOSED SCOUR VALVE

LONGITUDINAL SECTION
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANING
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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 40 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211240
Revision: C01

Internal Project Number: 100089328

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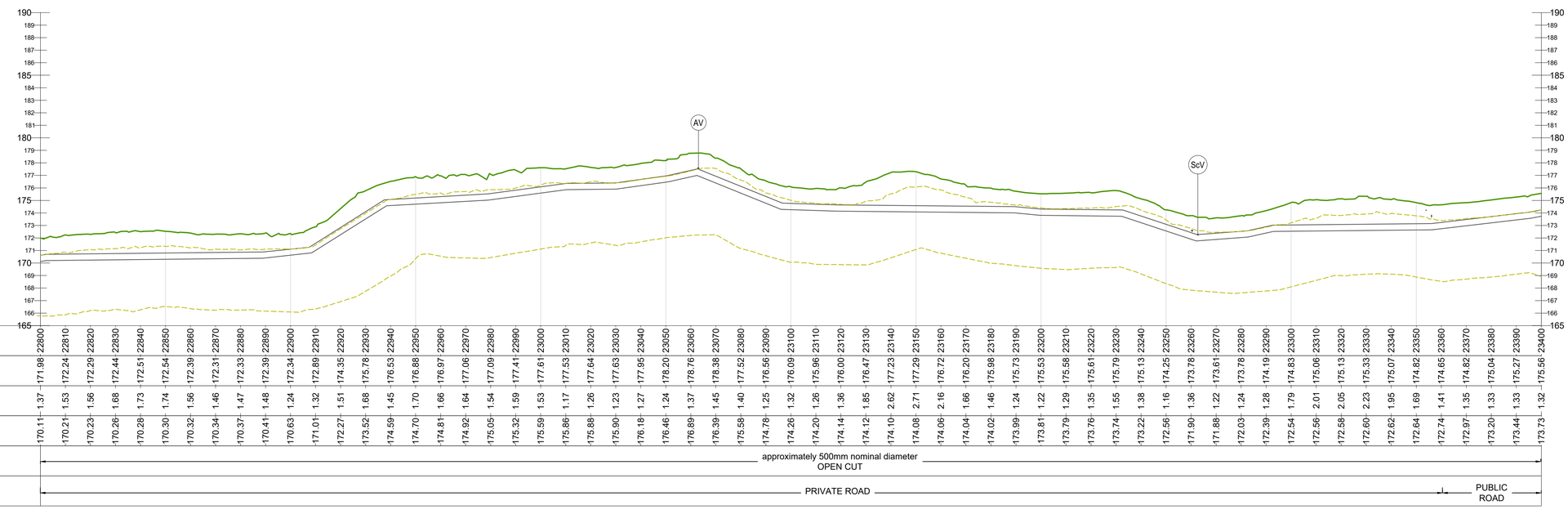
DO NOT SCALE

Millimetres 0 10 100




1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388,1389.




| CHAINAGE | 22800 | 22810 | 22820 | 22830 | 22840 | 22850 | 22860 | 22870 | 22880 | 22890 | 22900 | 22910 | 22920 | 22930 | 22940 | 22950 | 22960 | 22970 | 22980 | 22990 | 23000 | 23010 | 23020 | 23030 | 23040 | 23050 | 23060 | 23070 | 23080 | 23090 | 23100 | 23110 | 23120 | 23130 | 23140 | 23150 | 23160 | 23170 | 23180 | 23190 | 23200 | 23210 | 23220 | 23230 | 23240 | 23250 | 23260 | 23270 | 23280 | 23290 | 23300 | 23310 | 23320 | 23330 | 23340 | 23350 | 23360 | 23370 | 23380 | 23390 | 23400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 171.98 | 172.24 | 172.29 | 172.44 | 172.51 | 172.54 | 172.39 | 172.31 | 172.33 | 172.39 | 172.34 | 172.89 | 174.35 | 175.78 | 176.53 | 176.88 | 176.97 | 177.06 | 177.09 | 177.41 | 177.61 | 177.53 | 177.64 | 177.63 | 177.95 | 178.20 | 178.76 | 178.38 | 177.52 | 176.56 | 176.09 | 175.96 | 176.00 | 176.47 | 177.23 | 177.29 | 176.72 | 176.20 | 175.98 | 175.73 | 175.53 | 175.58 | 175.61 | 175.79 | 175.13 | 174.25 | 173.78 | 173.61 | 173.78 | 174.19 | 174.83 | 175.06 | 175.13 | 175.33 | 175.07 | 174.82 | 174.65 | 174.82 | 175.04 | 175.27 | 175.56 |
| COVER DEPTH | 1.37 | 1.53 | 1.56 | 1.68 | 1.73 | 1.74 | 1.56 | 1.46 | 1.47 | 1.48 | 1.24 | 1.32 | 1.51 | 1.68 | 1.45 | 1.70 | 1.66 | 1.64 | 1.54 | 1.59 | 1.53 | 1.17 | 1.26 | 1.23 | 1.27 | 1.24 | 1.37 | 1.45 | 1.40 | 1.25 | 1.32 | 1.26 | 1.36 | 1.85 | 2.62 | 2.71 | 2.16 | 1.66 | 1.46 | 1.24 | 1.22 | 1.29 | 1.35 | 1.55 | 1.38 | 1.16 | 1.36 | 1.22 | 1.24 | 1.28 | 1.79 | 2.01 | 2.05 | 2.23 | 1.95 | 1.69 | 1.41 | 1.35 | 1.33 | 1.33 | 1.32 |
| PIPE INVERT | 170.11 | 170.21 | 170.23 | 170.26 | 170.28 | 170.30 | 170.32 | 170.34 | 170.37 | 170.41 | 170.63 | 171.01 | 172.27 | 173.52 | 174.59 | 174.70 | 174.81 | 174.92 | 175.05 | 175.32 | 175.59 | 175.86 | 175.88 | 175.90 | 176.18 | 176.46 | 176.89 | 176.39 | 175.58 | 174.78 | 174.26 | 174.20 | 174.14 | 174.12 | 174.10 | 174.08 | 174.06 | 174.04 | 174.02 | 173.99 | 173.81 | 173.79 | 173.76 | 173.74 | 173.22 | 172.56 | 171.90 | 171.88 | 172.03 | 172.39 | 172.54 | 172.56 | 172.58 | 172.60 | 172.62 | 172.64 | 172.74 | 172.97 | 173.20 | 173.44 | 173.73 |
| PIPE DATA | approximately 500mm nominal diameter OPEN CUT |
| ROUTE INFO | PRIVATE ROAD | PUBLIC ROAD |

2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

NOTE: EXISTING UTILITIES AS PER GPR AND TOPOGRAPHICAL SURVEYS WHERE AVAILABLE, OTHERWISE AS INDICATED IN THE UTILITY RECORDS SHOWN IN THE PLAN DRAWING.

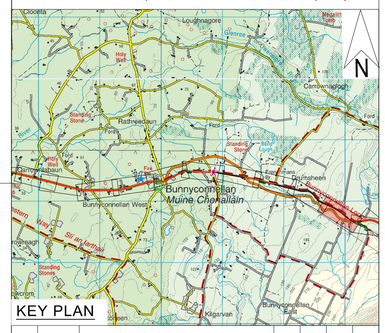
GENERAL NOTES

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
5. THE PROPOSED PIPELINE IS INDICATIVE AND IS SUBJECT TO THE FINAL DETAILED DESIGN BY THE APPOINTED CONTRACTOR
6. THE LOCATION OF EXISTING SERVICES ARE BASED ON GPR SURVEY, TOPOGRAPHICAL SURVEY AND AS BUILT RECORDS FROM THE UTILITY SERVICE PROVIDERS. THESE SHOULD BE VERIFIED AT SITE AND INCLUDED IN THE FINAL DETAILED DESIGN PRIOR TO CONSTRUCTION.

LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
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- ESB — EXISTING ESB MV UNDERGROUND
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LONGITUDINAL SECTION
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANING
Status: A2


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Client: Uisce Éireann Irish Water

Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 41 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | ABM | MMcE | TM |
| Original Size: A1 | Date: 31.08.26 | Date: 31.08.26 | Date: 31.08.26 | Date: 31.08.26 |

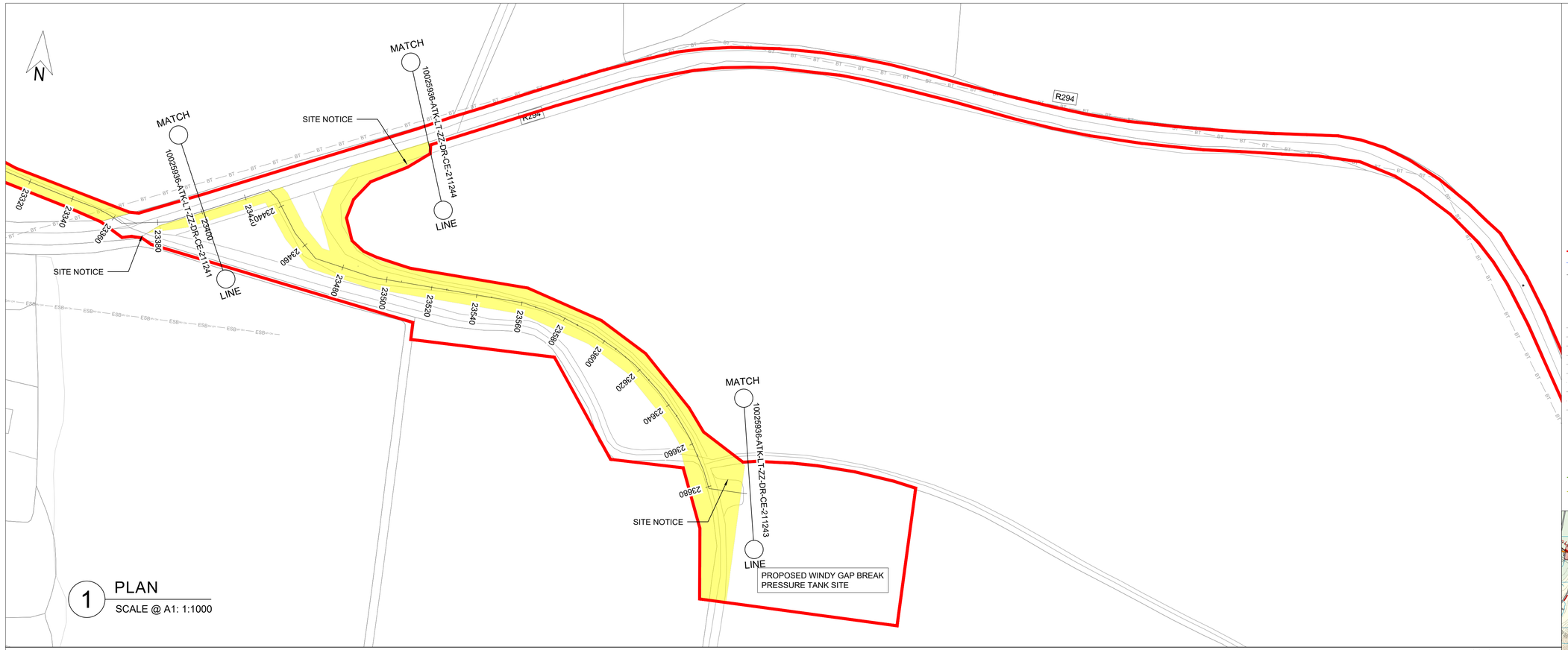
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211241
Revision: C01

Internal Project Number: 100089328


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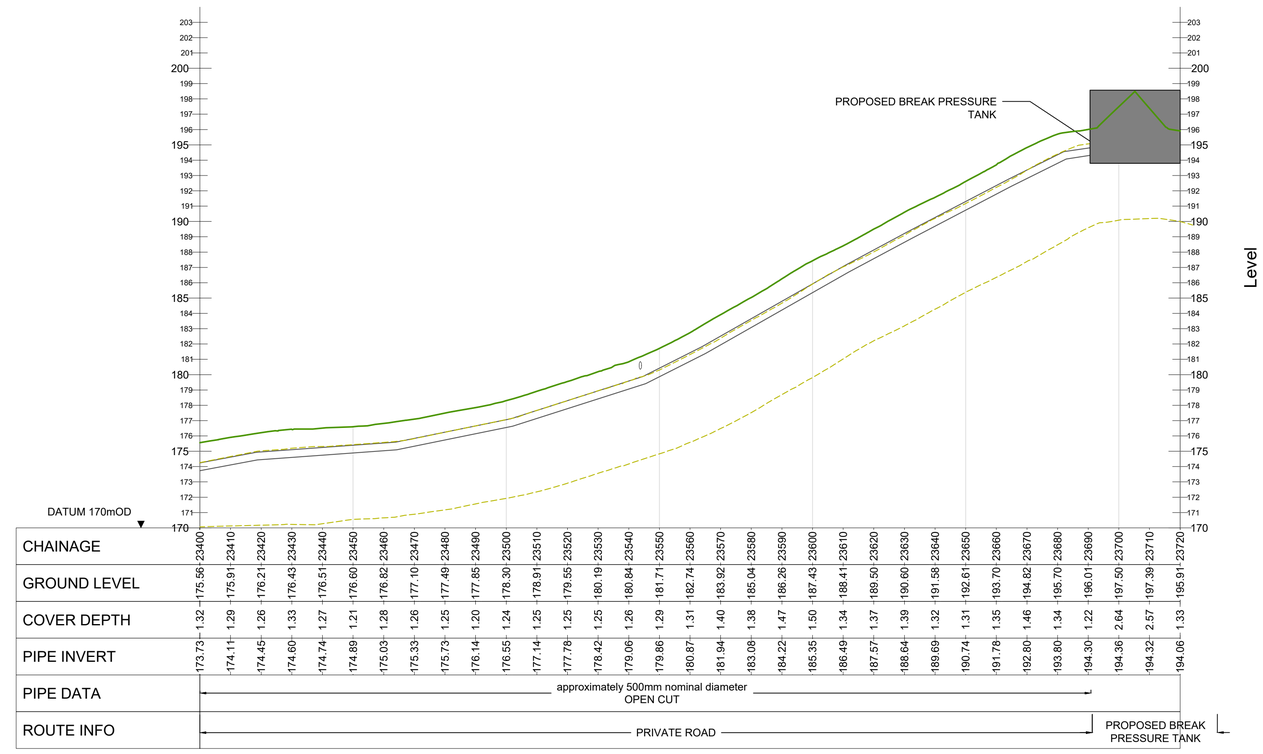

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DO NOT SCALE




1 PLAN

SCALE @ A1: 1:1000




| CHAINAGE | 23400 | 23410 | 23420 | 23430 | 23440 | 23450 | 23460 | 23470 | 23480 | 23490 | 23500 | 23510 | 23520 | 23530 | 23540 | 23550 | 23560 | 23570 | 23580 | 23590 | 23600 | 23610 | 23620 | 23630 | 23640 | 23650 | 23660 | 23670 | 23680 | 23690 | 23700 | 23710 | 23720 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND LEVEL | 175.56 | 175.91 | 176.21 | 176.43 | 176.51 | 176.60 | 176.82 | 177.10 | 177.49 | 177.85 | 178.30 | 178.91 | 179.55 | 180.19 | 180.84 | 181.71 | 182.74 | 183.92 | 185.04 | 186.26 | 187.43 | 188.41 | 189.50 | 190.60 | 191.58 | 192.61 | 193.70 | 194.82 | 195.70 | 196.01 | 197.50 | 197.39 | 195.91 |
| COVER DEPTH | 1.32 | 1.29 | 1.26 | 1.33 | 1.27 | 1.21 | 1.28 | 1.26 | 1.25 | 1.20 | 1.24 | 1.25 | 1.25 | 1.25 | 1.26 | 1.29 | 1.31 | 1.40 | 1.38 | 1.47 | 1.50 | 1.34 | 1.37 | 1.39 | 1.32 | 1.31 | 1.35 | 1.46 | 1.34 | 1.22 | 2.64 | 2.57 | 1.33 |
| PIPE INVERT | 173.73 | 174.11 | 174.45 | 174.60 | 174.74 | 174.89 | 175.03 | 175.33 | 175.73 | 176.14 | 176.55 | 177.14 | 177.78 | 178.42 | 179.06 | 179.86 | 180.87 | 181.94 | 183.08 | 184.22 | 185.35 | 186.49 | 187.57 | 188.64 | 189.69 | 190.74 | 191.78 | 192.80 | 193.80 | 194.30 | 194.36 | 194.32 | 194.06 |
| PIPE DATA | approximately 500mm nominal diameter OPEN CUT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROUTE INFO | PRIVATE ROAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | PROPOSED BREAK PRESSURE TANK | | | |

2 LONGITUDINAL SECTION

SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

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LEGEND:

PLAN

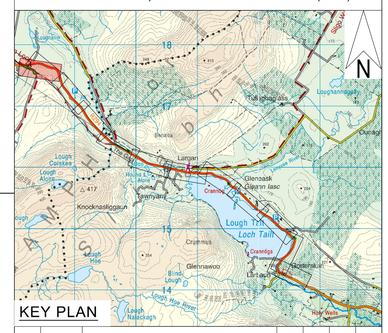
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
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- INDICATIVE PROPOSED WAYLEAVE
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- PROPOSED SITE COMPOUNDS
- WM — WM — EXISTING WATERMAIN
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- ESB — ESB — EXISTING ESB MV UNDERGROUND
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- ESB — ESB — EXISTING ESB HV OVERHEAD
- GAS — GAS — EXISTING GAS
- EIR — EIR — EXISTING EIRCOM
- TU — TU — EXISTING AURORA TELECOM
- ENET — ENET — EXISTING ENET
- BT — BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

LONGITUDINAL SECTION

- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)

OSI Sheet No's:

1389.




KEY PLAN

| Rev. | Date | Description | By | Chk'd | Rev'd | App'd |
|---|---|---|---|---|---|---|
| C01 | 31.08.26 | PLANNING | SB | ABM | MMcE | TM |

Drawing Suitability: PROJECT PLANING

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: PROPOSED TREATED WATER PIPELINE PIPELINE D PLAN & LONGITUDINAL SECTION SHEET 42 OF 54

| Scale | Drawn | Checked | Reviewed | Authorised |
|---|---|---|---|---|
| AS INDICATED | SB | 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-LT-ZZ-DR-CE-211242

Revision: C01

Internal Project Number: 100089328

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