AtkinsRéalis

Appendix 3-2 – Pipeline Drawings

Uisce Éireann

October 2026

BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Contents

Appendix 3-2 – Pipeline Drawings

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Pipeline B

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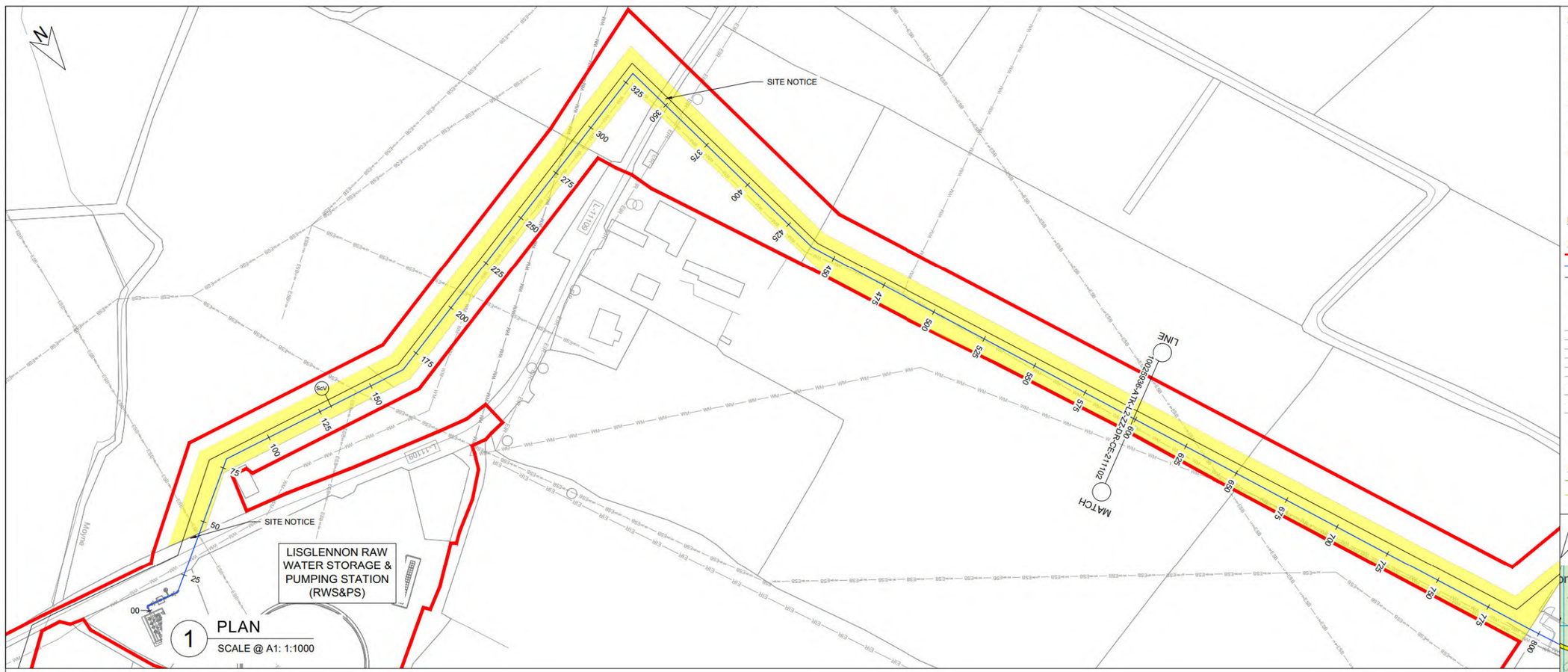
Pipeline D

10025936-ATK-LT-ZZ-DR-CE-211232	Proposed Treated Water Pipeline – Pipeline D – Plan & Longitudinal Section Sheet 32 of 54
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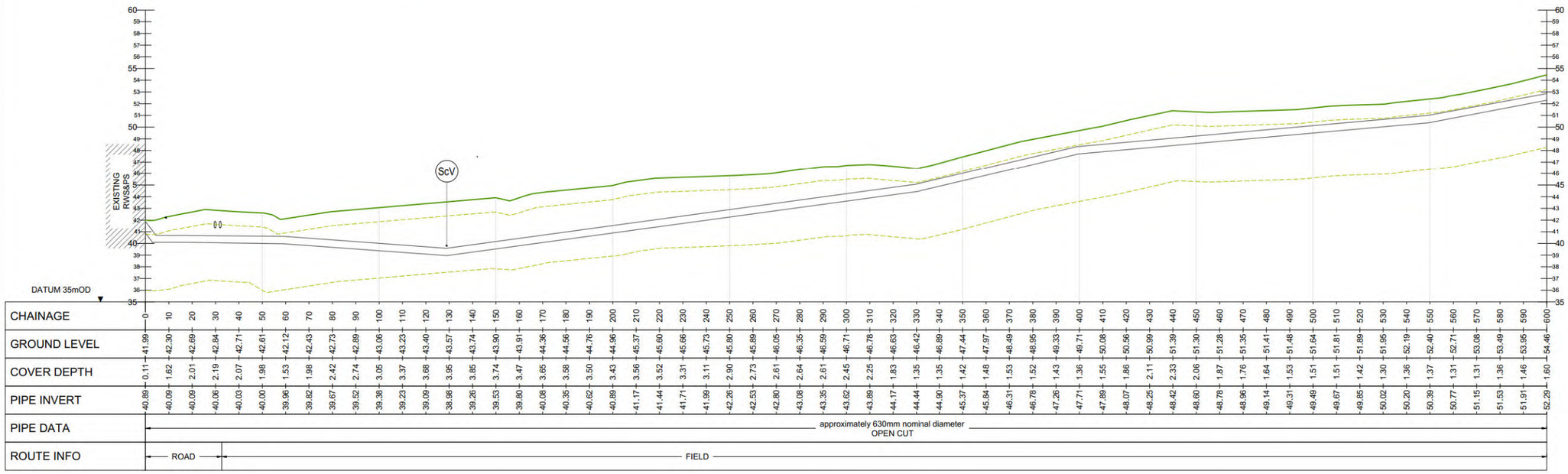
Pipeline E

10025936-ATK-LT-ZZ-DR-CE-211243	Proposed Treated Water Pipeline – Pipeline E – Plan & Longitudinal Section Sheet 43 of 54
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DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000



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

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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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)



LOCATION PLAN
SCALE @ A1: 1:20000

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 RAW WATER PIPELINE PIPELINE A PLAN & LONGITUDINAL SECTION SHEET 01 OF 02

Scale	Drawn	Checked	Reviewed	Authorised
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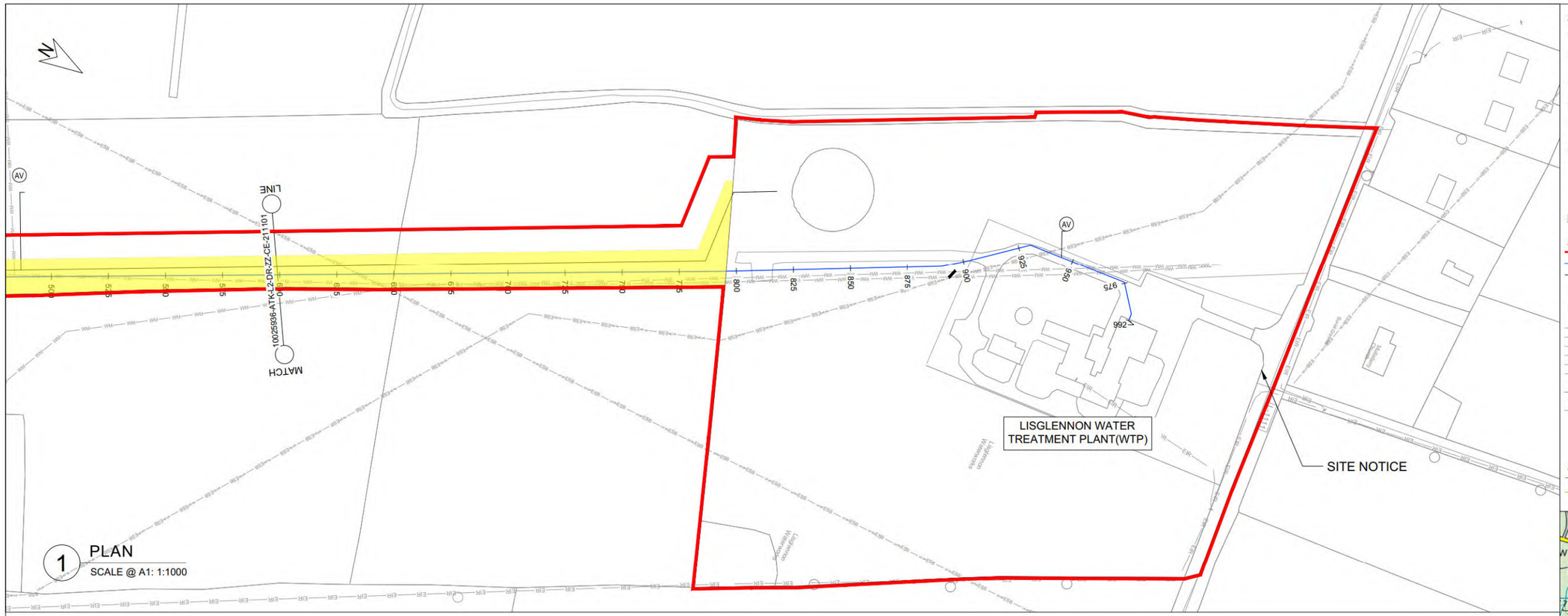
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Revision: C01

Internal Project Number: 100089328

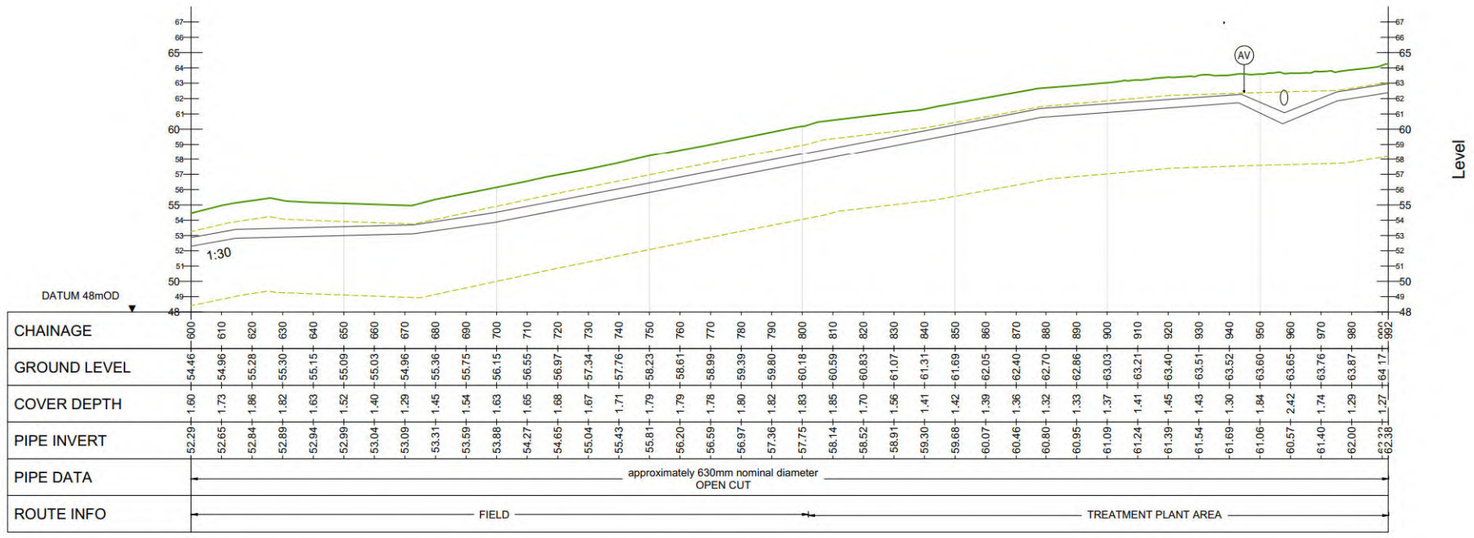
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1 PLAN
SCALE @ A1: 1:1000



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GROUND LEVEL	54.46 54.96 55.28 55.30 55.15 55.09 55.03 54.96 55.36 55.75 56.15 56.55 56.97 57.34 57.76 58.23 58.61 58.99 59.39 59.80 60.18 60.59 60.83 61.07 61.31 61.69 62.05 62.40 62.70 62.86 63.03 63.21 63.40 63.51 63.52 63.60 63.65 63.76 63.87 64.17
COVER DEPTH	1.60 1.73 1.86 1.82 1.63 1.52 1.40 1.29 1.45 1.54 1.63 1.65 1.68 1.67 1.71 1.79 1.79 1.78 1.80 1.82 1.83 1.85 1.70 1.56 1.41 1.42 1.39 1.36 1.32 1.33 1.37 1.41 1.45 1.43 1.30 1.84 2.42 1.74 1.29 1.27
PIPE INVERT	52.29 52.65 52.84 52.89 52.94 52.99 53.04 53.09 53.31 53.59 53.88 54.27 54.65 55.04 55.43 55.81 56.20 56.59 56.97 57.36 57.75 58.14 58.52 58.91 59.30 59.68 60.07 60.46 60.80 60.95 61.09 61.24 61.39 61.54 61.69 61.06 60.57 61.40 62.00 62.38
PIPE DATA	approximately 630mm nominal diameter OPEN CUT
ROUTE INFO	FIELD / TREATMENT PLANT AREA

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

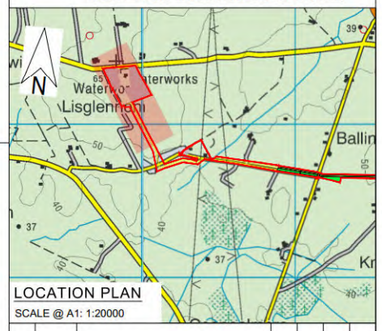
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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)



LOCATION PLAN
SCALE @ A1: 1:20000

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 RAW WATER PIPELINE PIPELINE A PLAN & LONGITUDINAL SECTION SHEET 02 OF 02

Scale	Drawn	Checked	Reviewed	Authorised
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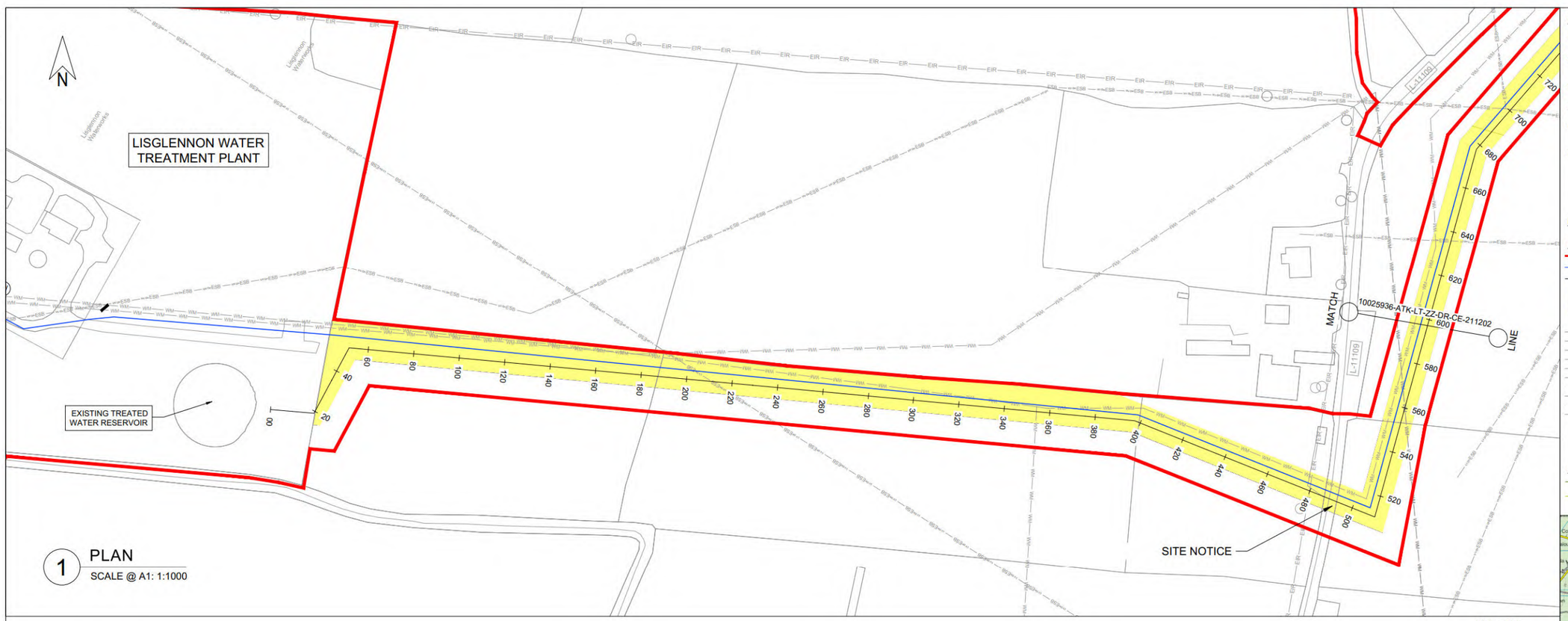
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Revision: C01

Internal Project Number: 100089328

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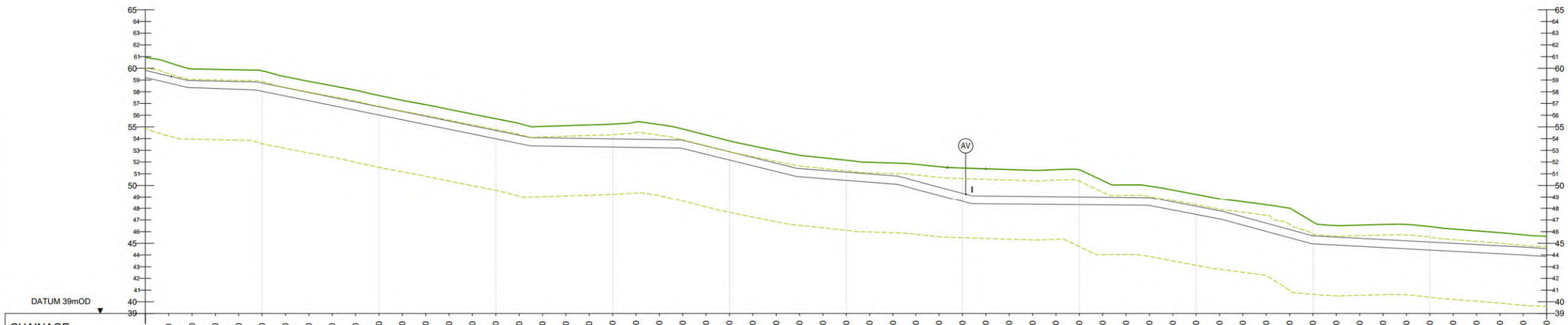
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1181



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GROUND LEVEL	60.93 60.50 59.95 59.91 59.87 59.78 59.29 58.89 58.51 58.14 57.68 57.26 56.90 56.50 56.09 55.70 55.29 55.04 55.10 55.17 55.24 55.42 55.20 54.82 54.31 53.81 53.37 52.97 52.58 52.36 52.16 51.98 51.91 51.81 51.60 51.49 51.42 51.36 51.30 51.35 51.33 50.42 50.04 49.94 49.60 49.23 48.84 48.57 48.31 48.01 46.84 46.52 46.56 46.61 46.61 46.44 46.22 46.07 45.91 45.73 45.61
COVER DEPTH	1.11 1.15 1.00 1.00 1.00 1.04 0.94 0.95 0.98 1.01 0.96 0.95 0.99 1.00 1.00 1.01 1.01 0.97 1.06 1.16 1.26 1.47 1.28 0.96 0.95 0.93 0.98 1.07 1.13 1.07 1.02 0.99 1.09 1.43 1.75 2.17 2.33 2.29 2.25 2.33 2.33 1.43 1.08 1.00 1.04 1.05 1.05 1.30 1.58 1.82 1.19 0.98 1.13 1.29 1.40 1.33 1.22 1.17 1.12 1.04 1.06
PIPE INVERT	59.22 58.75 58.35 58.28 58.20 58.04 57.64 57.23 56.83 56.42 56.01 55.61 55.20 54.80 54.39 53.99 53.58 53.37 53.34 53.31 53.28 53.24 53.21 53.15 52.66 52.17 51.68 51.19 50.74 50.59 50.43 50.28 50.12 49.67 49.14 48.61 48.39 48.37 48.35 48.34 48.32 48.30 48.28 48.24 47.86 47.48 47.09 46.56 46.02 45.48 44.96 44.85 44.74 44.64 44.53 44.43 44.32 44.21 44.11 44.00 43.86
PIPE DATA	approximately 710mm nominal diameter OPEN CUT
ROUTE INFO	FIELD ROAD FIELD

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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
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- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



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 B PLAN & LONGITUDIINAL SECTION SHEET 01 OF 54

Scale	Drawn	Checked	Reviewed	Authorised
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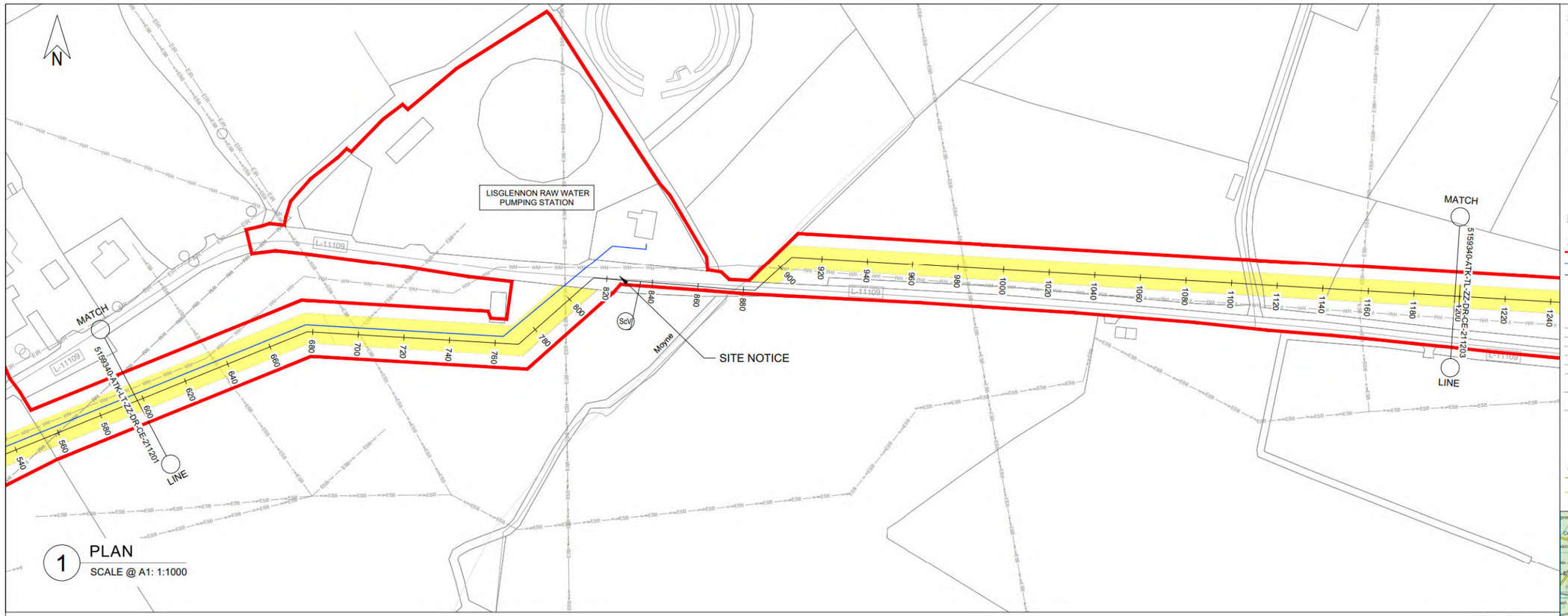
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Revision: C01

Internal Project Number: 100089328

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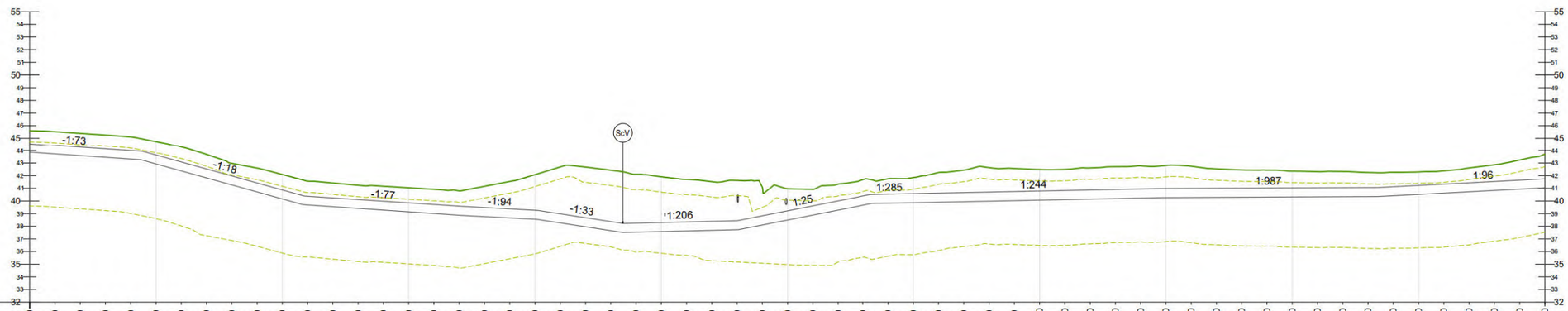
DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1181



CHAINAGE	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200
GROUND LEVEL	45.61	45.53	45.39	45.25	45.11	44.73	44.29	43.69	42.98	42.60	42.09	41.57	41.42	41.24	41.16	41.04	40.92	40.79	41.16	41.54	42.08	42.69	42.68	42.43	42.11	41.91	41.70	41.53	41.62	41.09	40.97	40.92	41.33	41.68	41.75	41.85	42.25	42.43	42.64	42.57	42.49	42.49	42.61	42.71	42.77	42.81	42.75	42.54	42.46	42.44	42.36	42.32	42.33	42.25	42.26	42.30	42.38	42.61	42.87	43.24	43.71
COVER DEPTH	1.06	1.11	1.11	1.11	1.10	1.09	1.20	1.15	1.00	1.18	1.22	1.20	1.18	1.13	1.18	1.19	1.20	1.21	1.68	2.17	2.81	3.70	4.00	4.06	3.86	3.62	3.36	3.14	3.18	2.27	1.75	1.31	1.33	1.28	1.21	1.27	1.63	1.77	1.93	1.82	1.71	1.67	1.75	1.80	1.83	1.83	1.76	1.54	1.45	1.42	1.33	1.28	1.28	1.19	1.14	1.07	1.05	1.18	1.32	1.59	1.96
PIPE INVERT	43.86	43.73	43.59	43.45	43.32	42.93	42.38	41.82	41.27	40.72	40.16	39.69	39.55	39.42	39.28	39.15	39.01	38.87	38.77	38.66	38.56	38.26	37.96	37.65	37.53	37.58	37.63	37.68	37.73	38.10	38.49	38.89	39.28	39.67	39.83	39.86	39.90	39.95	39.99	40.03	40.07	40.11	40.15	40.19	40.23	40.27	40.28	40.29	40.30	40.31	40.32	40.33	40.34	40.35	40.41	40.52	40.62	40.72	40.83	40.93	41.04
PIPE DATA	approximately 710mm nominal diameter OPEN CUT																																																																								
ROUTE INFO	FIELD																																																																									

2 LONGITUDINAL SECTION

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

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
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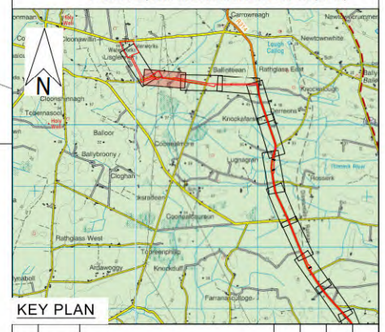
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- 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)



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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DUBLIN | CORK | GALWAY | DUNDALK

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 B PLAN & LONGITUDINAL SECTION SHEET 02 OF 54

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

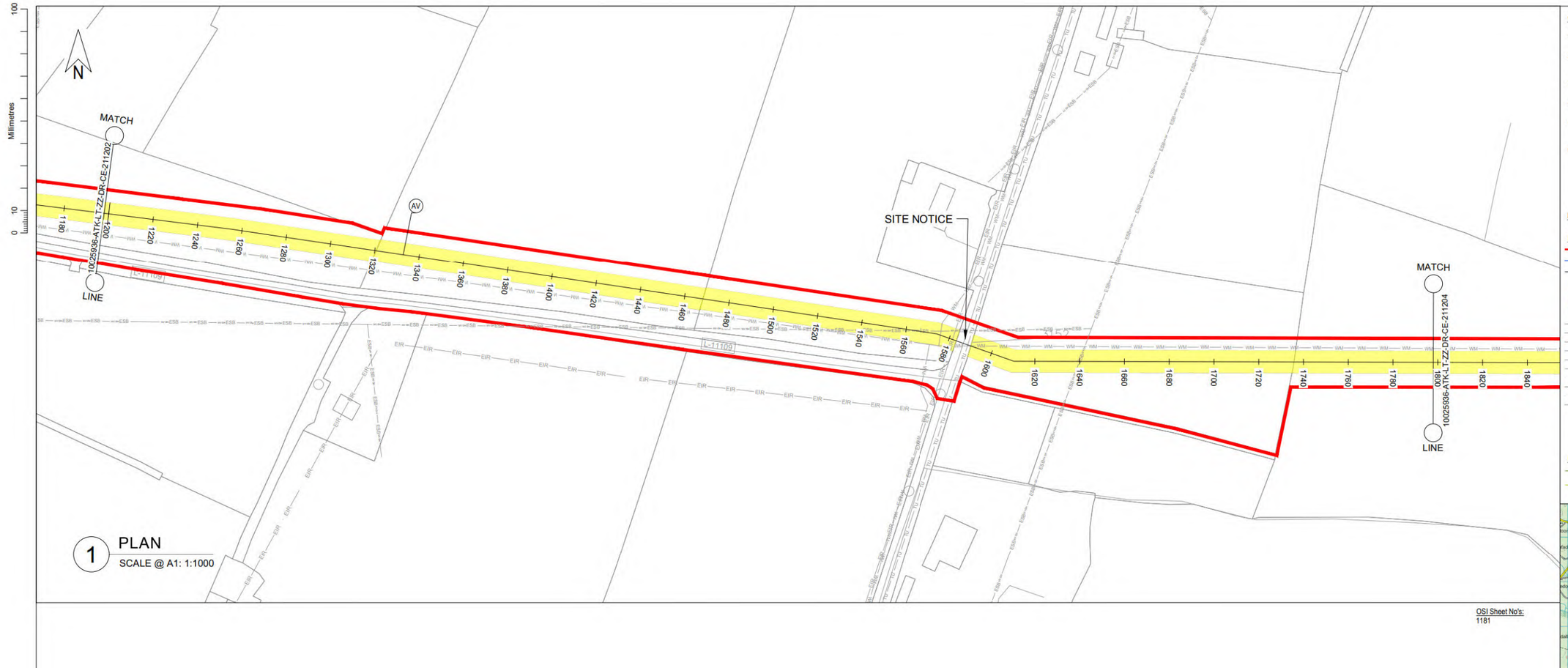
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211202 — Revision: C01

Internal Project Number: 100089328

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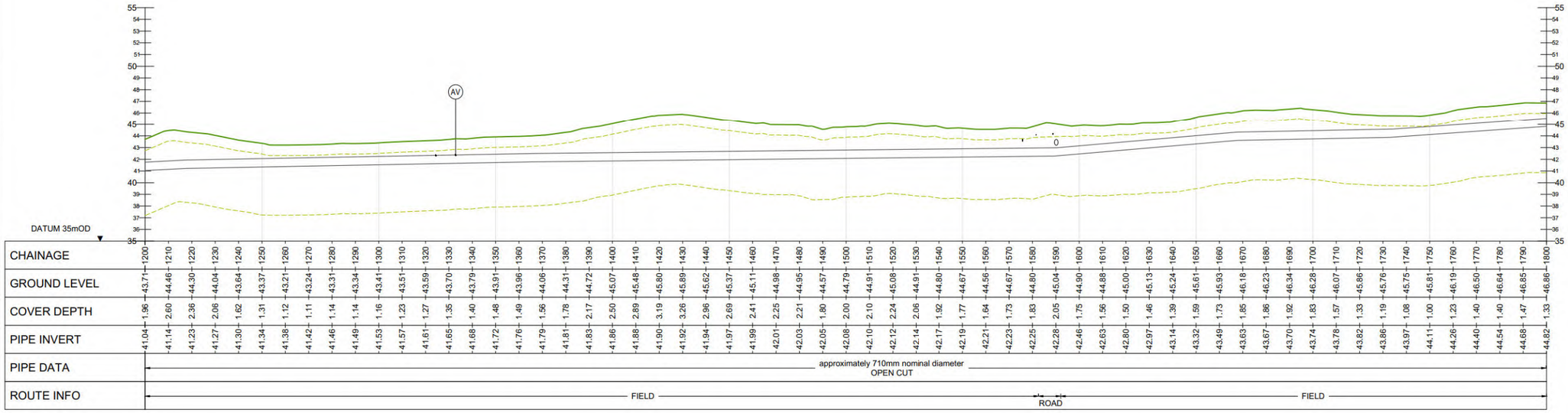
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1181



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

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
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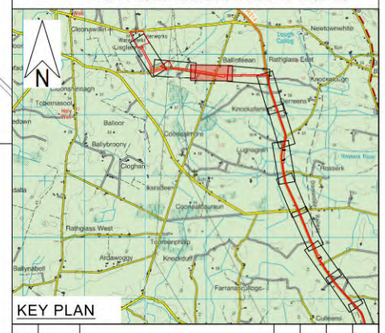
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 PLANNING
Status: A2

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
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 B
PLAN & LONGITUDINAL SECTION
SHEET 03 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

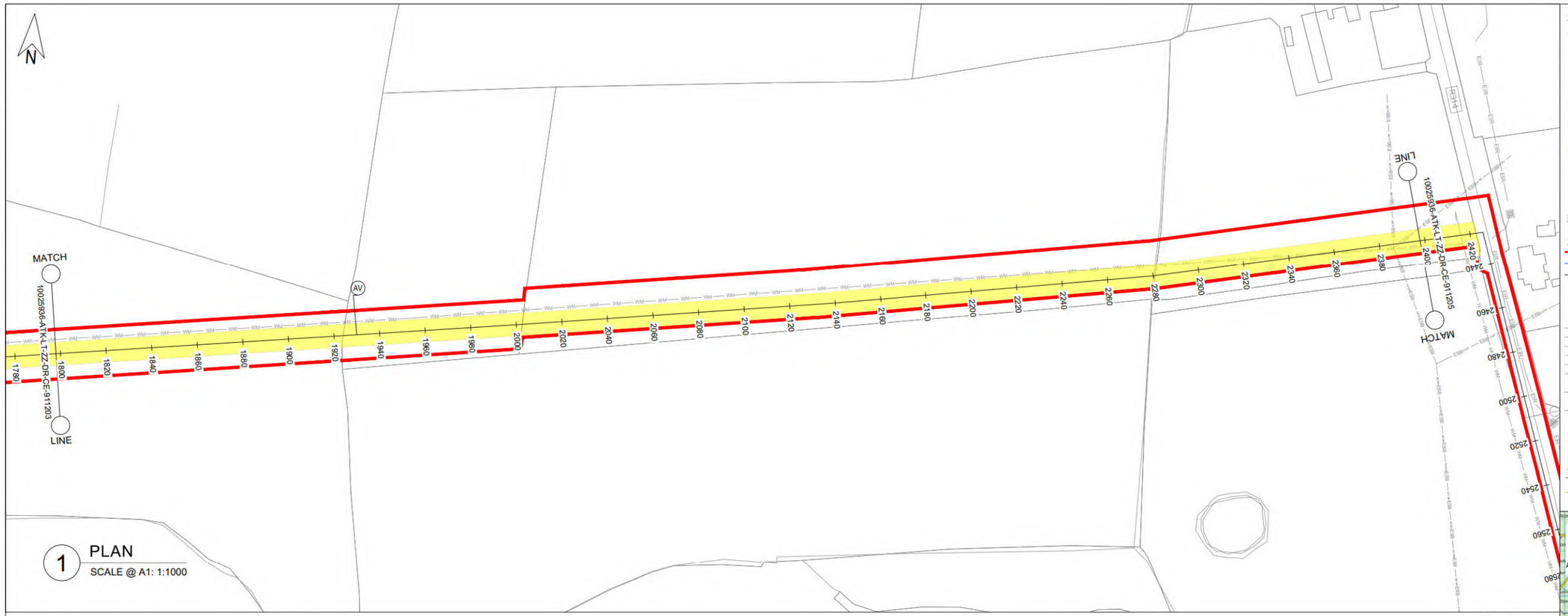
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211203
Revision: C01

Internal Project Number: 100089328

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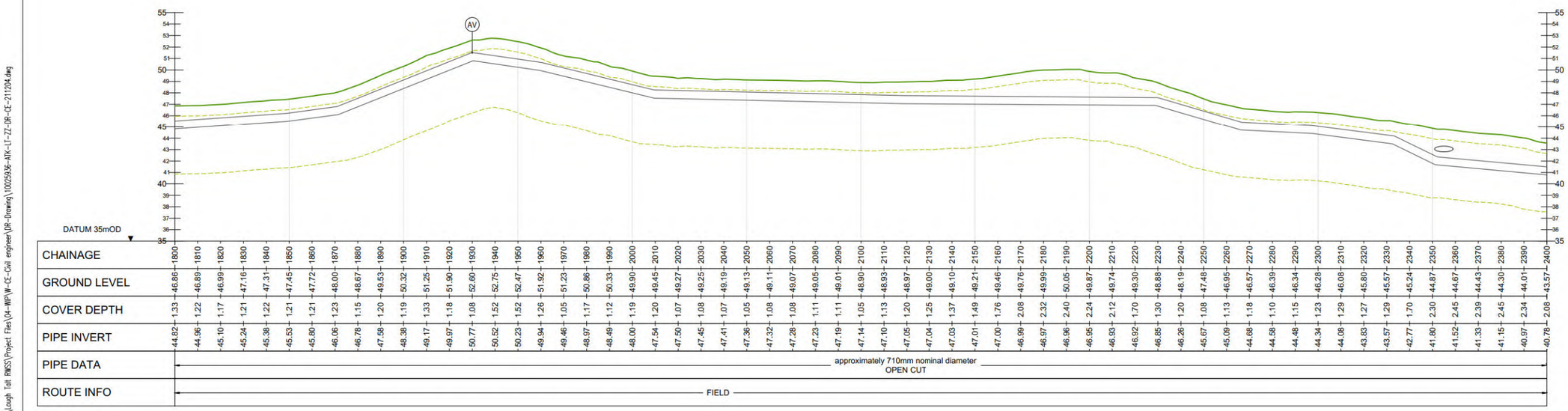
DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1181



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 B
- 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)



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 B PLAN & LONGITUDINAL SECTION SHEET 04 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-211204

Revision: C01

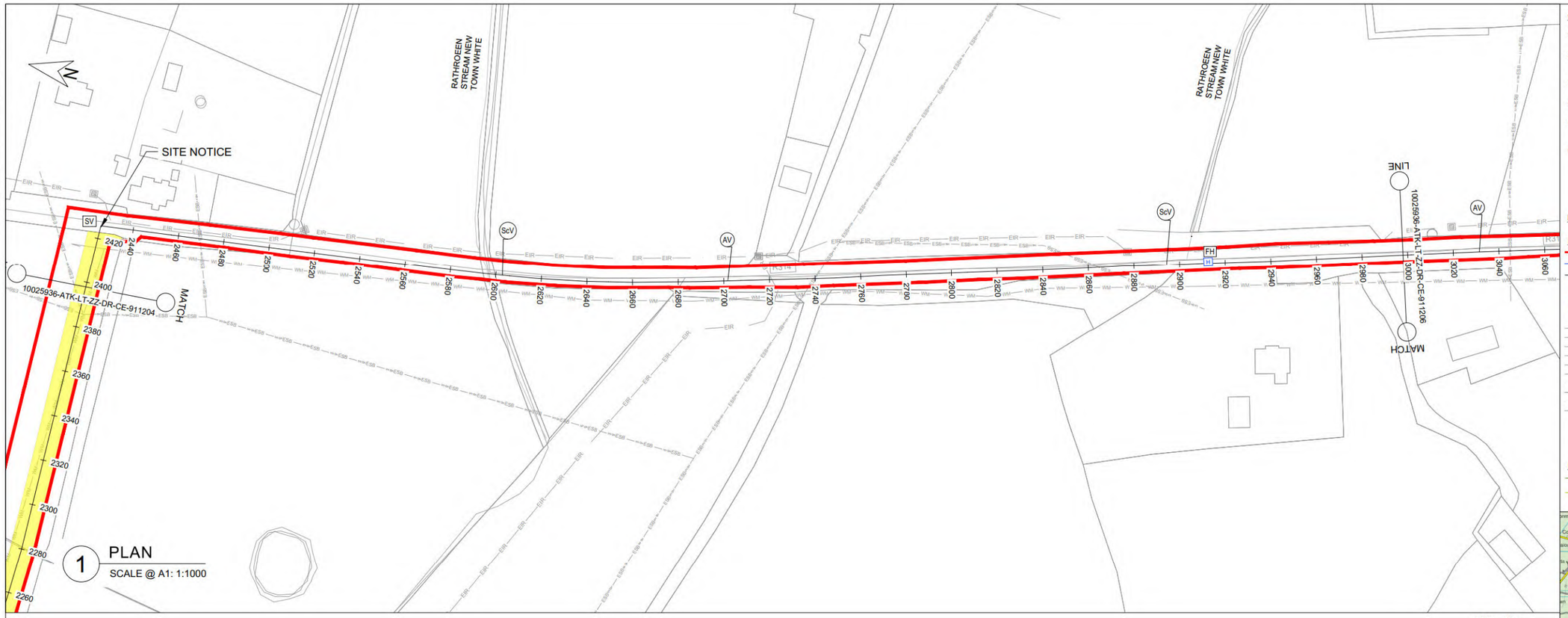
Internal Project Number: 100089328

Millimetres 0 10 100

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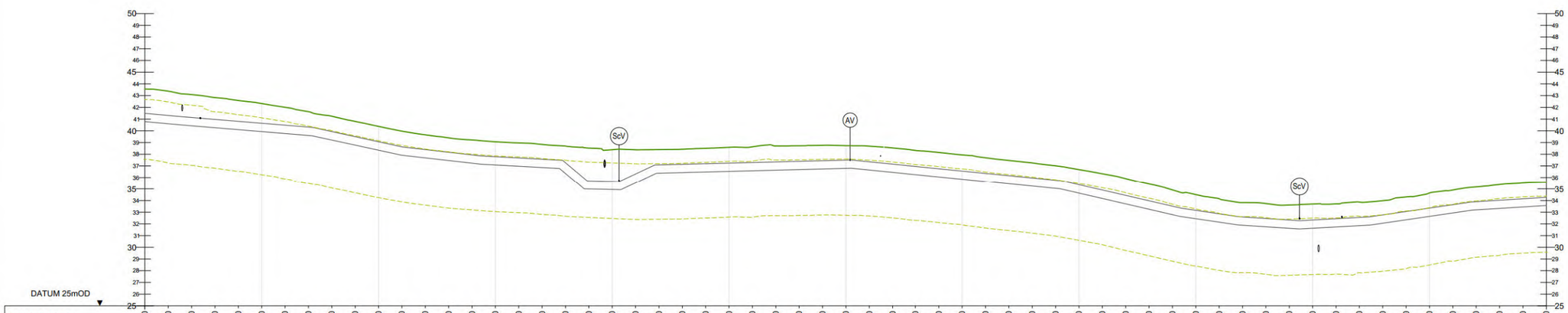
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SCALE @ A1: 1:1000

OSI Sheet No's:
1181



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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
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- EXISTING GAS
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- EXISTING AURORA TELECOM
- EXISTING ENET
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- 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

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
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 B
PLAN & LONGITUDINAL SECTION SHEET
05 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

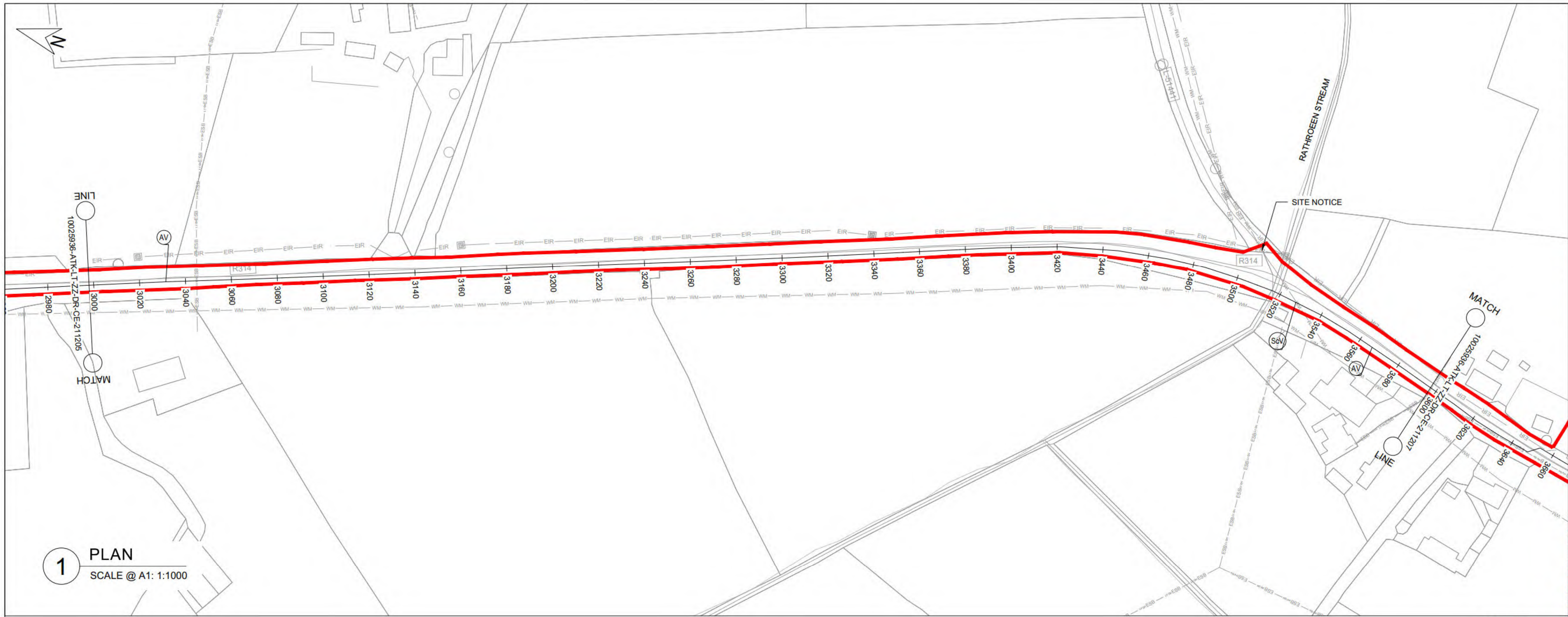
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211205
Revision: C01

Internal Project Number: 100089328

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1 PLAN

SCALE @ A1: 1:1000

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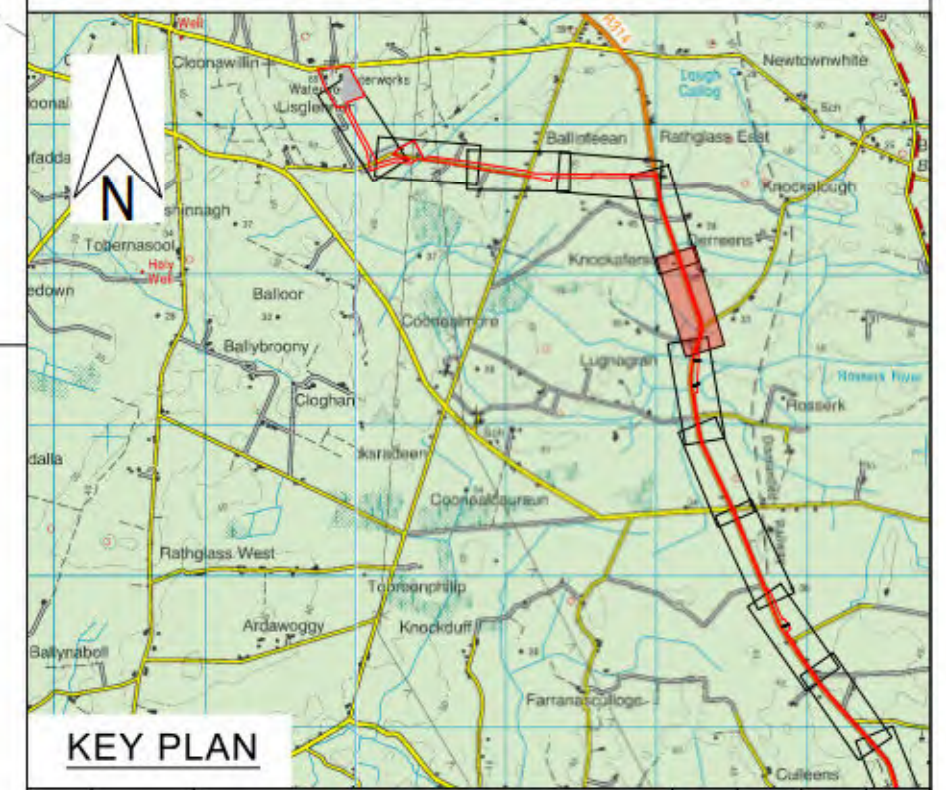
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
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- ENET — EXISTING ENET
- BT — BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

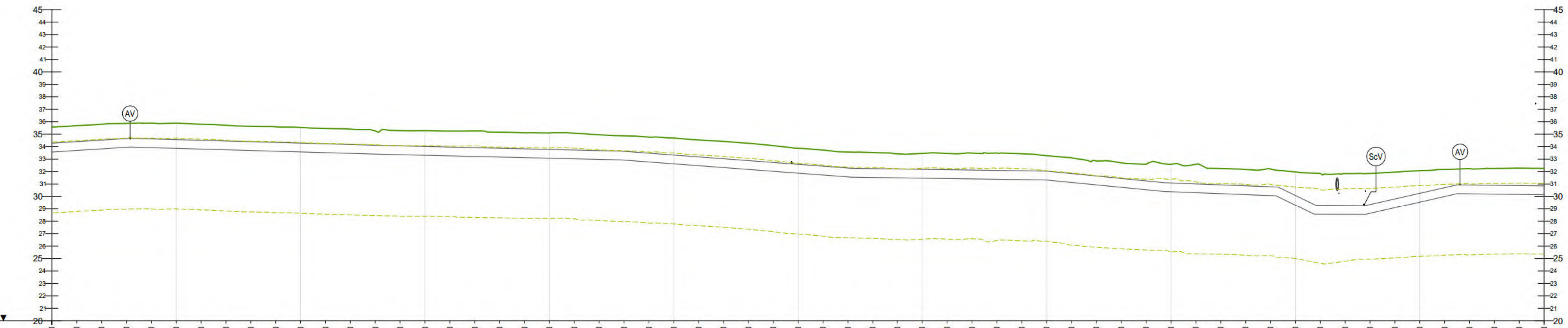
LONGITUDINAL SECTION

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



KEY PLAN

OSI Sheet No's:
1181



CHAINAGE	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100
GROUND LEVEL	35.58	35.69	35.80	35.87	35.89	35.89	35.80	35.72	35.63	35.60	35.54
COVER DEPTH	1.30	1.29	1.27	1.21	1.27	1.32	1.29	1.26	1.24	1.25	1.25
PIPE INVERT	33.57	33.70	33.82	33.95	33.92	33.86	33.81	33.75	33.69	33.64	33.58

CHAINAGE	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200
GROUND LEVEL	35.46	35.41	35.26	35.29	35.28	35.25	35.26	35.16	35.11	35.10
COVER DEPTH	1.24	1.24	1.15	1.23	1.27	1.28	1.34	1.29	1.28	1.32
PIPE INVERT	33.52	33.46	33.41	33.36	33.31	33.26	33.22	33.17	33.12	33.07

CHAINAGE	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300
GROUND LEVEL	35.08	34.95	34.87	34.77	34.69	34.54	34.42	34.27	34.08	33.87
COVER DEPTH	1.35	1.27	1.24	1.29	1.36	1.36	1.39	1.39	1.35	1.29
PIPE INVERT	33.03	32.98	32.92	32.77	32.62	32.47	32.32	32.18	32.03	31.88

CHAINAGE	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400
GROUND LEVEL	33.73	33.57	33.52	33.43	33.46	33.46	33.49	33.49	33.43	33.28
COVER DEPTH	1.30	1.29	1.29	1.22	1.28	1.31	1.37	1.40	1.37	1.25
PIPE INVERT	31.73	31.58	31.53	31.50	31.47	31.45	31.42	31.39	31.36	31.33

CHAINAGE	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500
GROUND LEVEL	33.10	32.85	32.71	32.59	32.59	32.59	32.24	32.17	32.21	31.97
COVER DEPTH	1.27	1.21	1.26	1.34	1.50	1.58	1.31	1.32	1.43	1.89
PIPE INVERT	31.13	30.93	30.74	30.54	30.38	30.30	30.23	30.15	30.07	29.30

CHAINAGE	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600
GROUND LEVEL	31.85	31.84	31.85	31.96	32.07	32.18	32.23	32.25	32.28	32.26
COVER DEPTH	2.58	2.58	2.50	2.16	1.82	1.47	1.31	1.35	1.41	1.41
PIPE INVERT	28.56	28.56	28.63	29.08	29.54	30.00	30.22	30.19	30.17	30.14

PIPE DATA	approximately 710mm nominal diameter OPEN CUT
ROUTE INFO	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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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 B PLAN & LONGITUDINAL SECTION SHEET 06 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

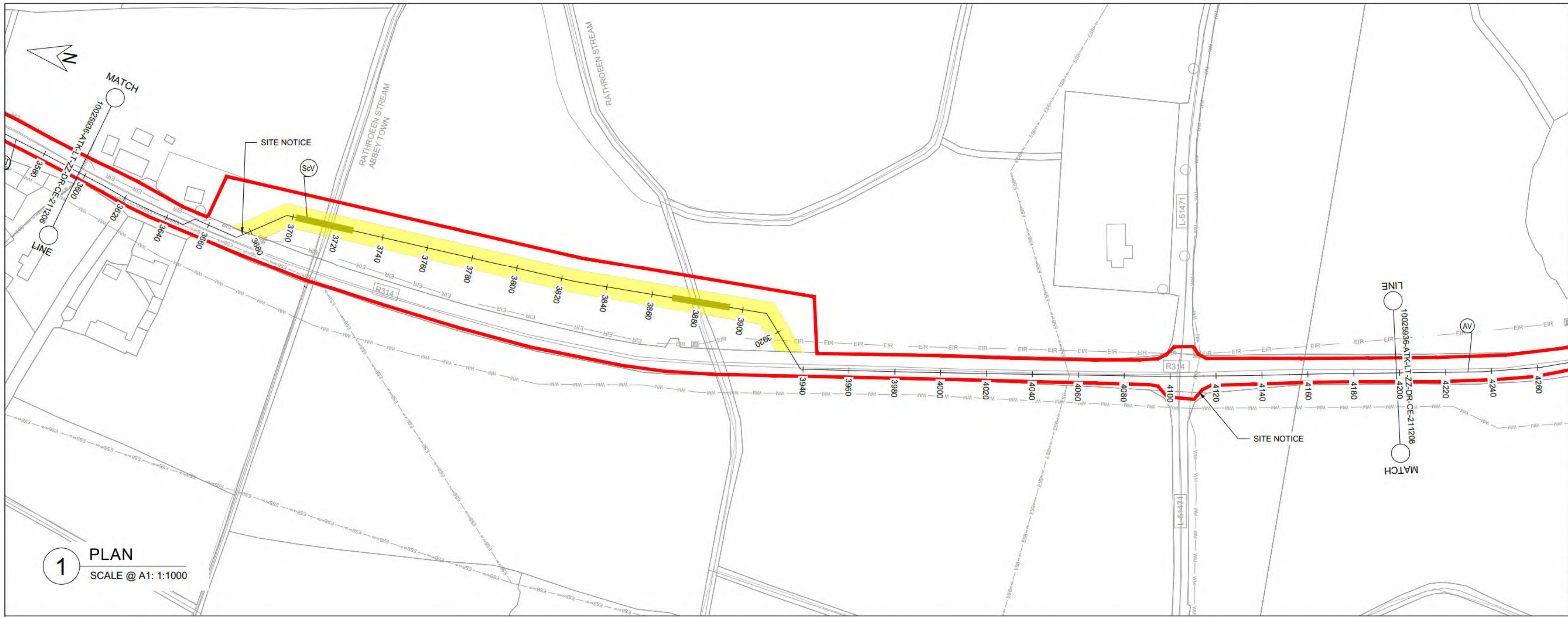
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211206 — Revision: C01

Internal Project Number: 100089328

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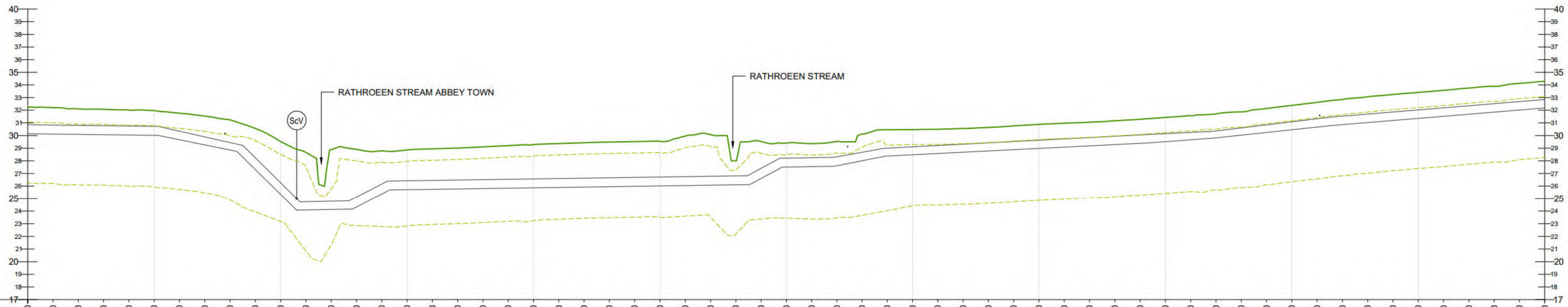
DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1181, 1247



CHAINAGE	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690
GROUND LEVEL	32.26	32.21	32.11	32.08	32.01	31.97	31.77	31.53	31.25	30.56
COVER DEPTH	1.41	1.38	1.31	1.30	1.26	1.24	1.43	1.64	1.80	2.32
PIPE INVERT	30.14	30.12	30.09	30.07	30.04	30.02	29.67	29.26	28.86	27.31

CHAINAGE	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790
GROUND LEVEL	29.53	28.66	28.88	28.90	28.79	28.86	28.95	29.01	29.10	29.20
COVER DEPTH	3.27	3.91	4.09	3.78	2.63	2.44	2.50	2.53	2.59	2.66
PIPE INVERT	25.33	24.09	24.13	24.33	25.37	25.72	25.75	25.78	25.80	25.83

CHAINAGE	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890
GROUND LEVEL	29.28	29.37	29.43	29.48	29.52	29.54	29.96	30.07	28.00	29.53
COVER DEPTH	2.71	2.77	2.80	2.82	2.83	2.82	3.21	3.30	1.19	2.12
PIPE INVERT	25.86	25.89	25.92	25.95	25.98	26.01	26.04	26.07	26.10	26.61

CHAINAGE	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990
GROUND LEVEL	29.41	29.36	29.53	30.12	30.46	30.47	30.49	30.55	30.64	30.76
COVER DEPTH	1.20	1.11	1.22	1.44	1.46	1.37	1.28	1.24	1.22	1.24
PIPE INVERT	27.51	27.54	27.62	28.01	28.38	28.48	28.58	28.68	28.78	28.88

CHAINAGE	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090
GROUND LEVEL	30.88	30.97	31.05	31.17	31.29	31.43	31.56	31.71	31.87	32.14
COVER DEPTH	1.25	1.23	1.21	1.22	1.24	1.28	1.31	1.35	1.27	1.29
PIPE INVERT	28.98	29.08	29.18	29.28	29.38	29.51	29.66	29.82	30.03	30.25

CHAINAGE	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200
GROUND LEVEL	32.38	32.63	32.86	33.06	33.25	33.41	33.57	33.75	33.89	34.12	34.28
COVER DEPTH	1.29	1.30	1.32	1.36	1.38	1.38	1.38	1.40	1.37	1.44	1.43
PIPE INVERT	30.46	30.67	30.86	31.03	31.19	31.36	31.52	31.68	31.85	32.01	32.18

PIPE DATA: approximately 710mm nominal diameter OPEN CUT (3600–3690) | approximately 710mm nominal diameter TRENCHLESS (3690–3740) | approximately 710mm nominal diameter OPEN CUT (3740–4200)

ROUTE INFO: ROAD | FIELD | ROAD

2 LONGITUDINAL SECTION

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

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 B
- 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)



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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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 B PLAN & LONGITUDINAL SECTION SHEET 07 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

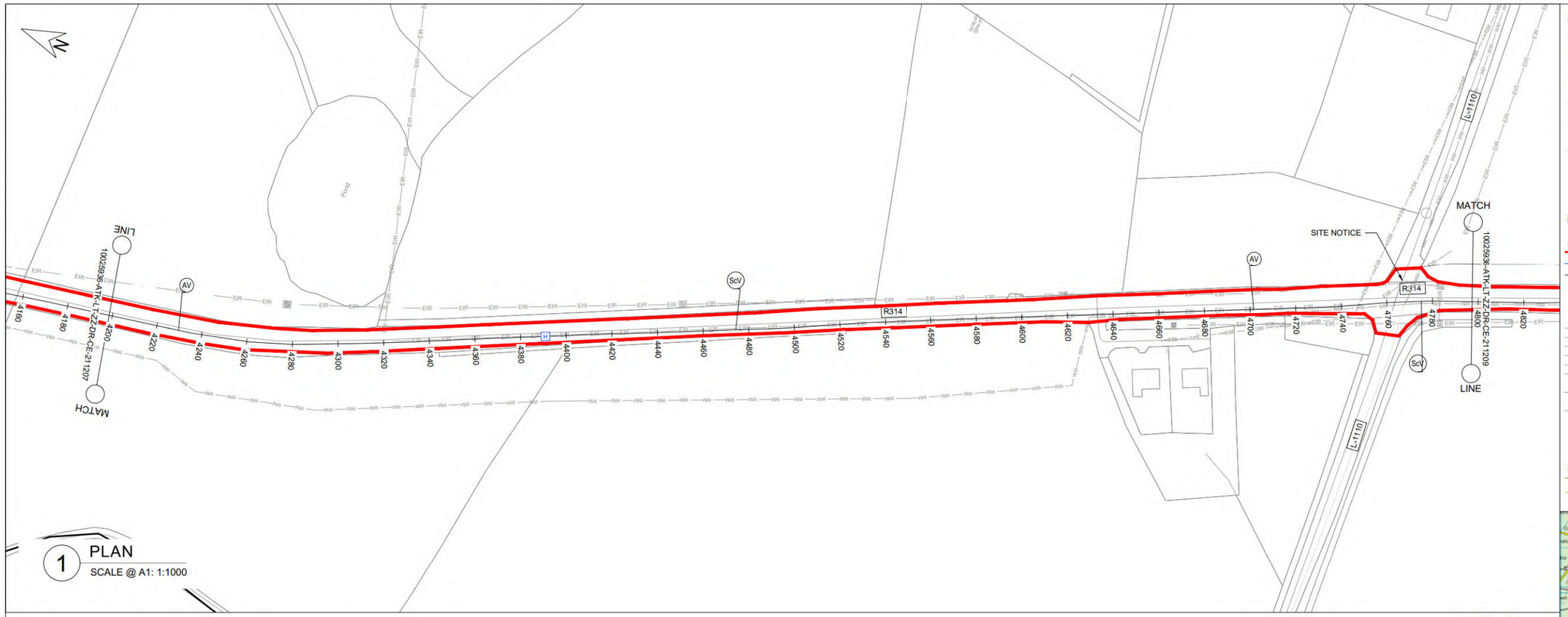
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211207 — Revision: C01

Internal Project Number: 100089328

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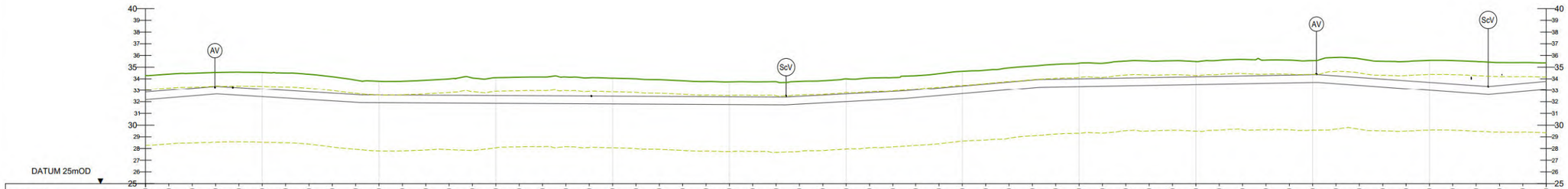
DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1247



CHAINAGE	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800
GROUND LEVEL	34.28	34.41	34.48	34.55	34.57	34.55	34.49	34.40	34.18	33.89	33.80	33.80	33.88	33.99	34.08	34.10	34.14	34.16	34.16	34.10	34.06	34.01	33.93	33.85	33.77	33.74	33.75	33.76	33.79	33.84	34.01	34.07	34.11	34.26	34.44	34.64	34.75	34.94	35.10	35.24	35.34	35.33	35.53	35.54	35.55	35.49	35.59	35.66	35.61	35.61	35.56	35.83	35.72	35.51	35.49	35.58	35.56	35.49	35.40	35.40	35.37
COVER DEPTH	1.43	1.39	1.30	1.21	1.34	1.44	1.50	1.53	1.43	1.27	1.21	1.22	1.32	1.44	1.54	1.57	1.62	1.65	1.66	1.61	1.58	1.54	1.47	1.40	1.34	1.32	1.34	1.36	1.32	1.27	1.32	1.28	1.21	1.23	1.24	1.26	1.20	1.22	1.20	1.27	1.34	1.29	1.46	1.43	1.41	1.31	1.37	1.41	1.32	1.29	1.21	1.58	1.61	1.53	1.65	1.89	2.01	2.07	1.97	1.80	1.59
PIPE INVERT	32.18	32.34	32.51	32.67	32.57	32.44	32.32	32.20	32.08	31.96	31.92	31.91	31.90	31.88	31.87	31.86	31.85	31.84	31.83	31.82	31.81	31.80	31.79	31.78	31.77	31.76	31.74	31.73	31.80	31.90	32.01	32.12	32.23	32.36	32.54	32.71	32.88	33.05	33.22	33.30	33.33	33.37	33.40	33.44	33.48	33.51	33.55	33.58	33.62	33.65	33.69	33.58	33.44	33.29	33.14	33.00	32.85	32.71	32.71	32.89	33.07
PIPE DATA	approximately 710mm nominal diameter OPEN CUT																																																																														
ROUTE INFO	ROAD																																																																														

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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESBuw — EXISTING ESB MV UNDERGROUND
- ESBuw — EXISTING ESB LV UNDERGROUND
- ESBoh — EXISTING ESB HV OVERHEAD
- GAS — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
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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)



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 B PLAN & LONGITUDINAL SECTION SHEET 08 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

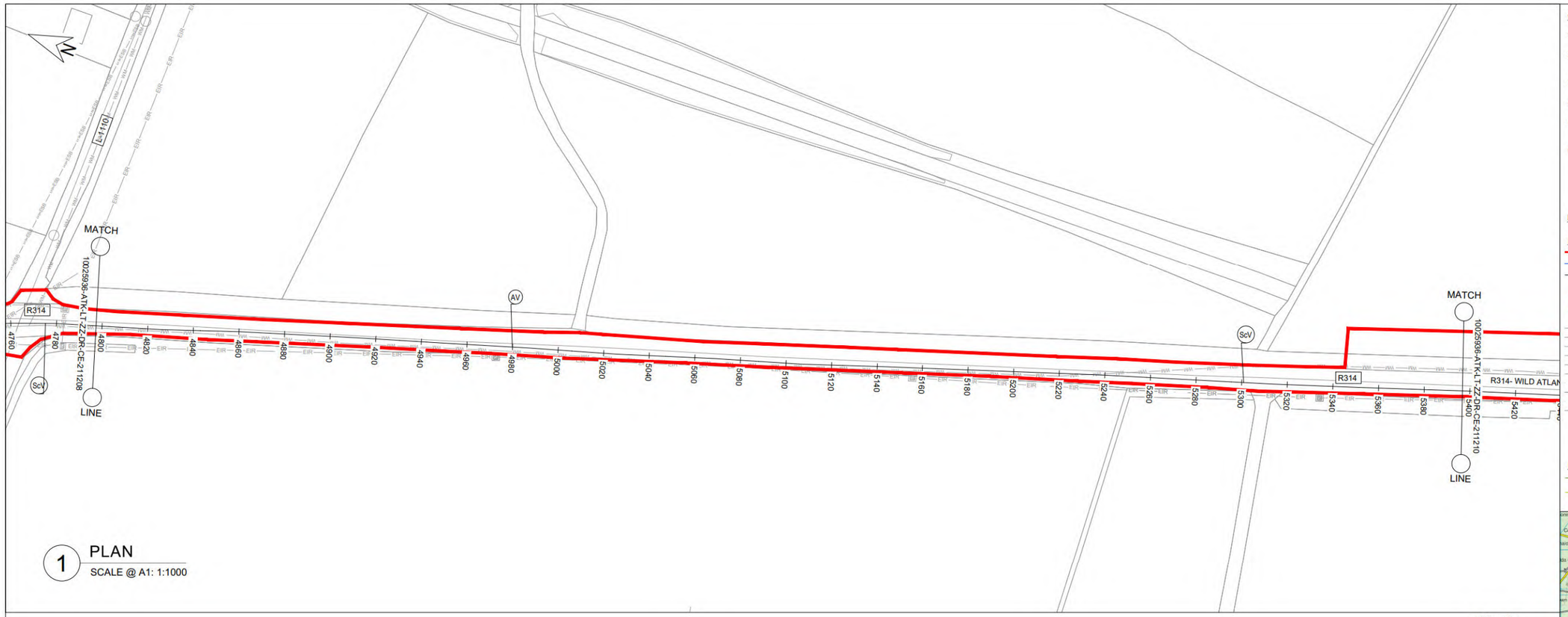
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211208 — Revision: C01

Internal Project Number: 100089328

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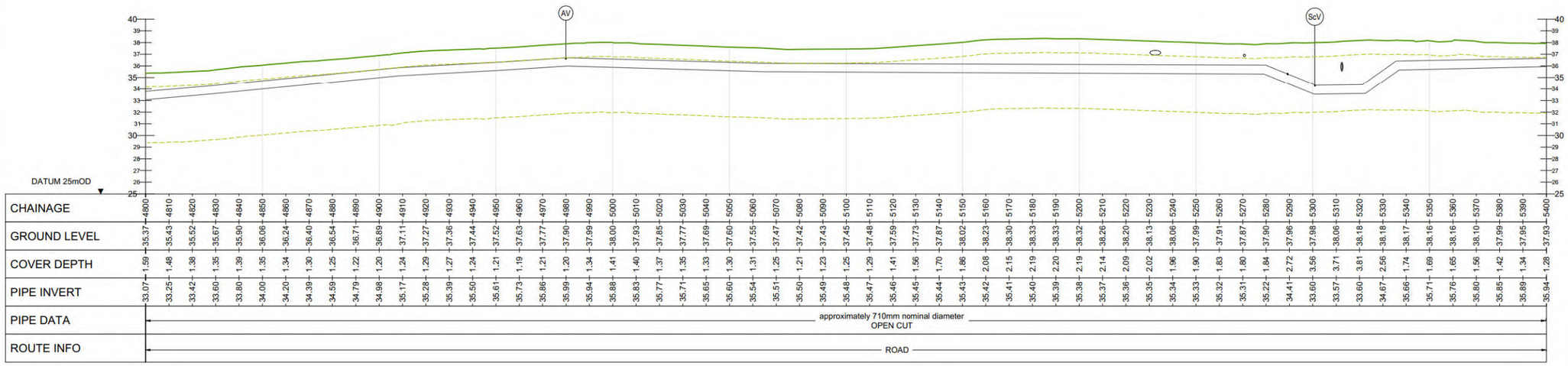
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1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1247



2 LONGITUDINAL SECTION

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

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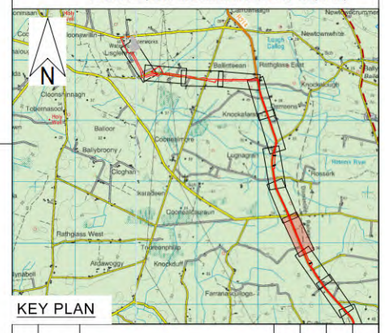
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 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 B PLAN & LONGITUDINAL SECTION SHEET 09 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

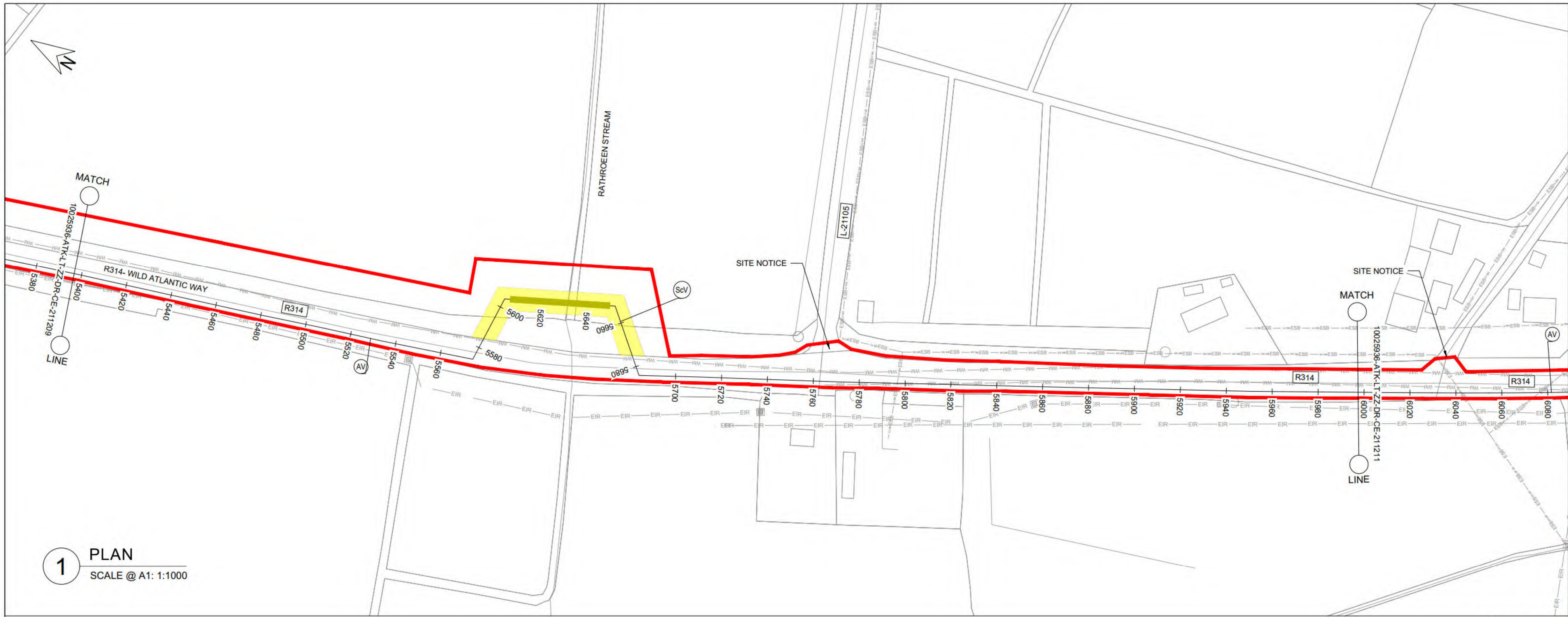
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211209 — Revision: C01

Internal Project Number: 100089328

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DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

GENERAL NOTES

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LEGEND:

PLAN

- RED LINE BOUNDARY
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- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
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- ESB — EXISTING ESB MV UNDERGROUND
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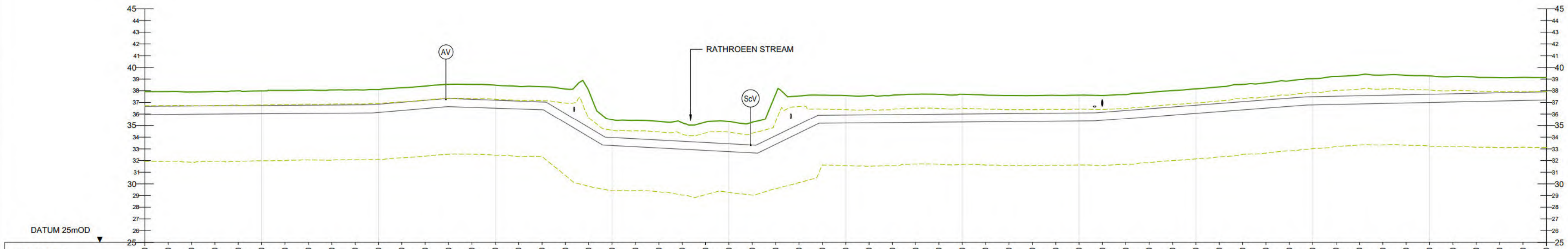
LONGITUDINAL SECTION

- 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

OSI Sheet No's:
1247



CHAINAGE	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540
GROUND LEVEL	37.93	37.93	37.89	37.94	37.98	37.98	38.02	38.05	38.06	38.07	38.10	38.25	38.39	38.54	38.54
COVER DEPTH	1.28	1.25	1.19	1.23	1.26	1.25	1.28	1.29	1.29	1.28	1.26	1.24	1.22	1.21	1.28
PIPE INVERT	35.94	35.97	35.99	36.00	36.02	36.03	36.04	36.06	36.07	36.09	36.14	36.31	36.47	36.63	36.56

CHAINAGE	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690
GROUND LEVEL	38.47	38.37	38.34	38.15	38.00	35.50	35.44	35.35	35.24	35.29	35.34	35.28	37.70	37.54	37.62
COVER DEPTH	1.29	1.26	1.31	2.11	3.16	1.54	1.58	1.60	1.59	1.75	1.91	1.95	3.58	2.44	1.72
PIPE INVERT	36.50	36.43	36.37	35.23	34.04	33.28	33.18	33.07	32.97	32.86	32.76	32.65	33.38	34.36	35.20

CHAINAGE	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840
GROUND LEVEL	37.58	37.58	37.62	37.70	37.69	37.69	37.63	37.58	37.58	37.60	37.62	37.59	37.67	37.85	38.01
COVER DEPTH	1.67	1.65	1.67	1.74	1.71	1.69	1.61	1.55	1.53	1.53	1.53	1.44	1.37	1.40	1.40
PIPE INVERT	35.21	35.23	35.25	35.27	35.28	35.30	35.32	35.33	35.35	35.37	35.39	35.45	35.60	35.75	35.90

CHAINAGE	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000
GROUND LEVEL	38.16	38.32	38.53	38.67	38.84	39.03	39.22	39.34	39.34	39.32	39.26	39.21	39.16	39.12	39.14	39.13
COVER DEPTH	1.40	1.41	1.47	1.46	1.48	1.54	1.69	1.77	1.72	1.66	1.57	1.48	1.38	1.30	1.27	1.23
PIPE INVERT	36.05	36.21	36.36	36.51	36.66	36.78	36.83	36.87	36.91	36.95	36.99	37.03	37.08	37.12	37.16	37.20

PIPE DATA: approximately 710mm nominal diameter OPEN CUT

ROUTE INFO: ROAD — FIELD — ROAD

2 LONGITUDINAL SECTION

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

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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 B PLAN & LONGITUDINAL SECTION SHEET 10 OF 54

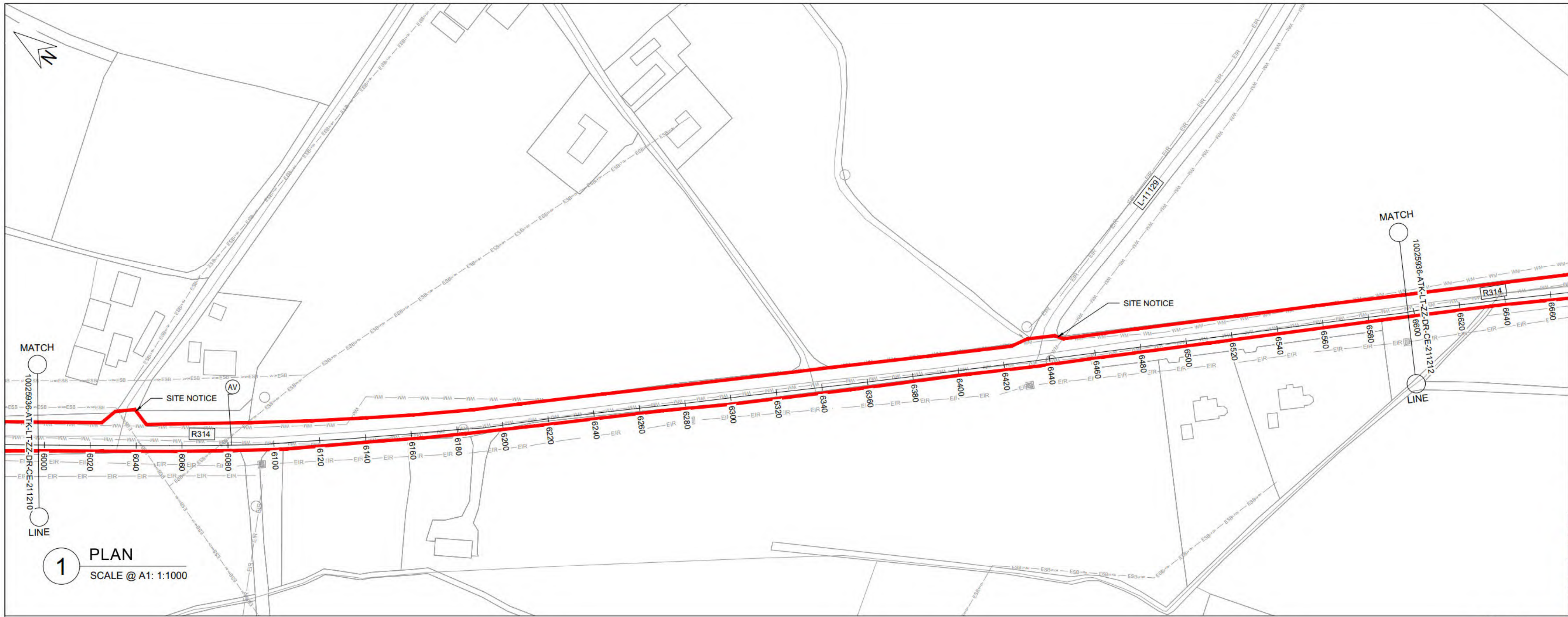
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AS INDICATED	SB	ABM	MMcE	TM
Original Size: A1	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26

Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211210 — Revision: C01

Internal Project Number: 100089328

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1 PLAN
SCALE @ A1: 1:1000

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
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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 B
- 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

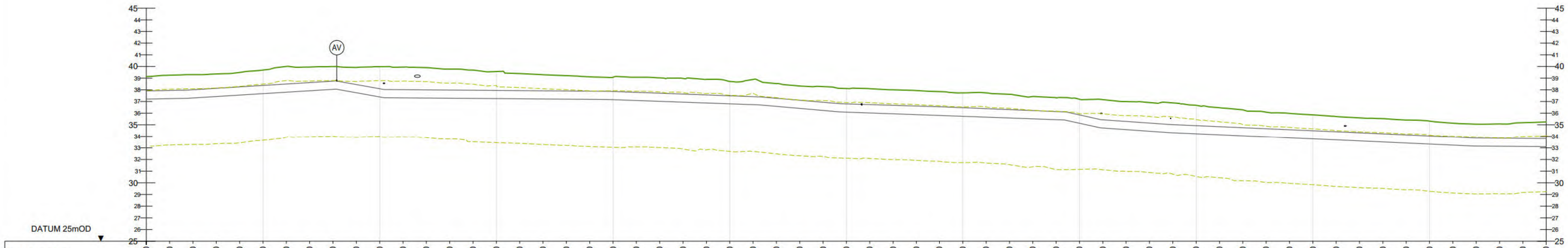
LONGITUDINAL SECTION

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



KEY PLAN

OSI Sheet No's:
1247



CHAINAGE	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140
GROUND LEVEL	39.13	39.25	39.30	39.36	39.49	39.69	40.00	39.95	40.00	39.92	39.99	39.95	39.91	39.78	39.69
COVER DEPTH	1.23	1.31	1.29	1.23	1.24	1.32	1.50	1.33	1.25	1.47	1.90	1.94	1.91	1.80	1.73
PIPE INVERT	37.20	37.24	37.30	37.43	37.55	37.67	37.80	37.92	38.04	37.75	37.39	37.31	37.29	37.28	37.26

CHAINAGE	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290
GROUND LEVEL	39.57	39.39	39.30	39.21	39.11	39.08	39.08	39.03	38.98	38.89	38.72	38.89	38.53	38.33	38.27
COVER DEPTH	1.62	1.46	1.38	1.32	1.23	1.23	1.30	1.32	1.34	1.33	1.23	1.47	1.26	1.22	1.34
PIPE INVERT	37.24	37.23	37.21	37.20	37.18	37.15	37.08	37.01	36.94	36.87	36.80	36.73	36.58	36.40	36.23

CHAINAGE	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440
GROUND LEVEL	38.11	38.10	38.00	37.94	37.85	37.74	37.74	37.62	37.43	37.32	37.19	37.16	36.99	36.91	36.88
COVER DEPTH	1.32	1.37	1.33	1.33	1.30	1.27	1.35	1.31	1.21	1.18	1.34	1.73	1.70	1.77	1.87
PIPE INVERT	36.09	36.01	35.94	35.87	35.80	35.73	35.66	35.58	35.51	35.44	35.13	34.72	34.58	34.44	34.31

CHAINAGE	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600
GROUND LEVEL	36.68	36.47	36.29	36.09	35.98	35.85	35.70	35.59	35.53	35.41	35.32	35.14	35.05	35.08	35.18	35.24
COVER DEPTH	1.76	1.63	1.54	1.43	1.41	1.37	1.31	1.29	1.31	1.28	1.29	1.20	1.20	1.24	1.36	1.44
PIPE INVERT	34.22	34.13	34.04	33.96	33.87	33.78	33.69	33.60	33.51	33.42	33.33	33.24	33.15	33.14	33.12	33.10

PIPE DATA	approximately 710mm nominal diameter OPEN CUT
ROUTE INFO	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.

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 B PLAN & LONGITUDINAL SECTION SHEET 11 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-211211
Revision: C01

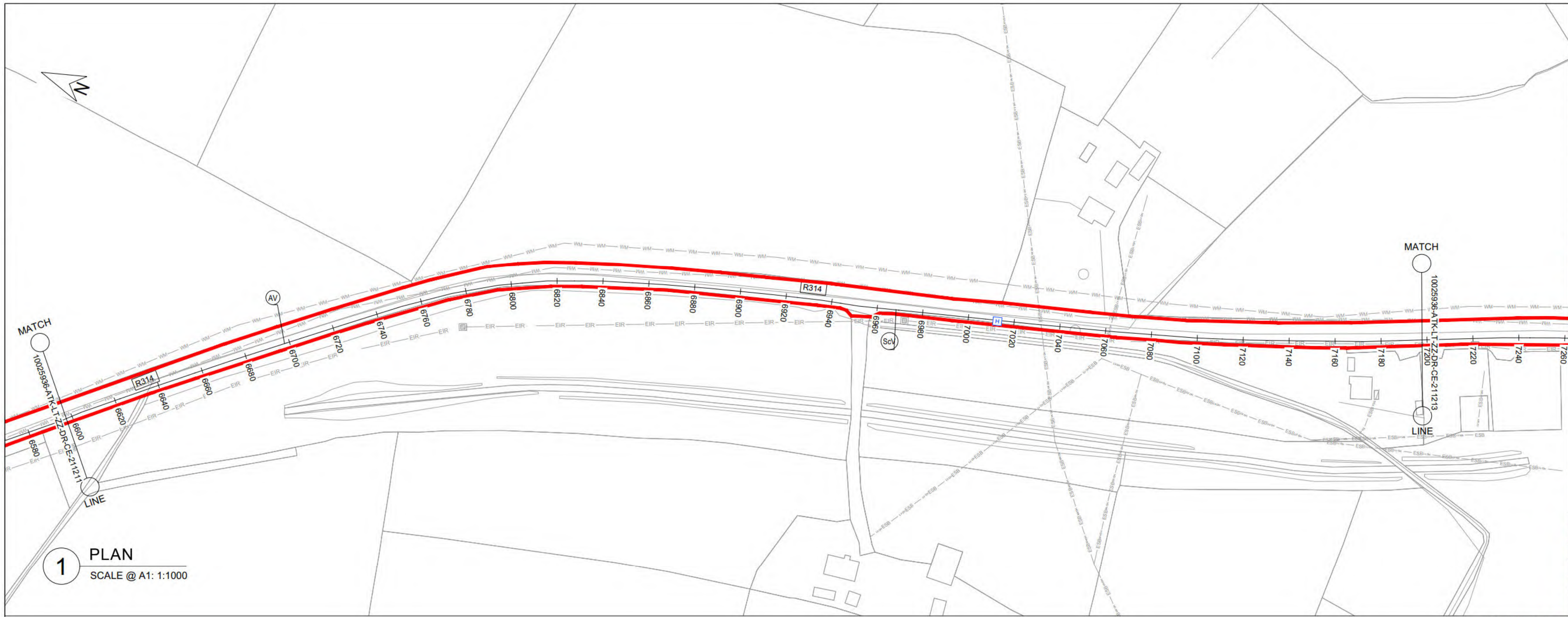
Internal Project Number: 100089328

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1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:1247

GENERAL NOTES

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LEGEND:

PLAN

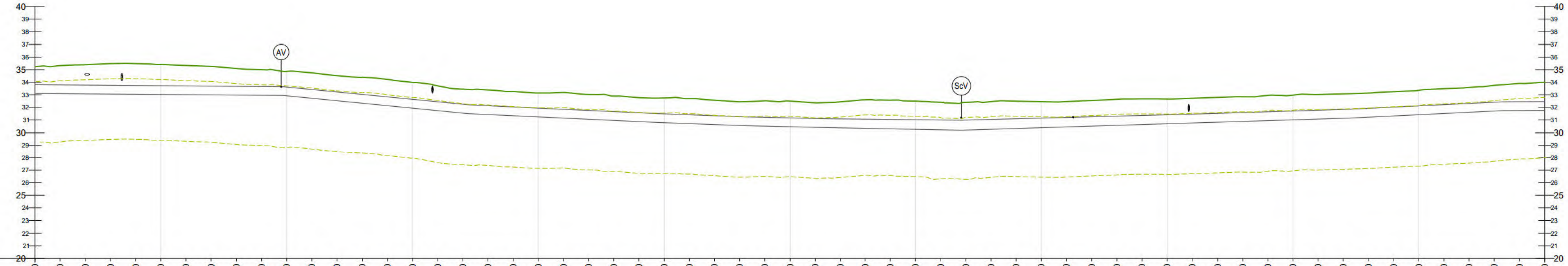
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — WM — EXISTING WATERMAIN
- FW — FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB HV OVERHEAD
- GAS — EXISTING GAS
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- 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)



KEY PLAN



CHAINAGE	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790
GROUND LEVEL	35.24	35.32	35.40	35.48	35.49	35.41	35.33	35.26	35.09	35.00	34.86	34.75	34.52	34.40	34.22	33.98	33.72	33.44	33.39	33.26
COVER DEPTH	1.44	1.53	1.62	1.72	1.74	1.68	1.62	1.57	1.42	1.33	1.24	1.32	1.30	1.37	1.39	1.34	1.27	1.20	1.26	1.23
PIPE INVERT	33.10	33.09	33.07	33.06	33.04	33.02	33.01	32.99	32.98	32.96	32.92	32.72	32.53	32.33	32.13	31.94	31.74	31.54	31.43	31.33

CHAINAGE	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990
GROUND LEVEL	33.15	33.18	33.02	32.90	32.77	32.75	32.70	32.57	32.45	32.52	32.50	32.36	32.44	32.60	32.57	32.50	32.41	32.40	32.46	32.50
COVER DEPTH	1.21	1.33	1.27	1.24	1.20	1.27	1.29	1.24	1.19	1.31	1.34	1.25	1.36	1.54	1.53	1.48	1.41	1.41	1.41	1.40
PIPE INVERT	31.24	31.15	31.05	30.96	30.87	30.78	30.71	30.63	30.56	30.51	30.46	30.41	30.37	30.33	30.29	30.26	30.22	30.20	30.26	30.32

CHAINAGE	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200
GROUND LEVEL	32.45	32.46	32.55	32.64	32.68	32.67	32.72	32.79	32.84	32.95	32.98	33.02	33.08	33.14	33.25	33.36	33.49	33.58	33.75	33.91	34.00
COVER DEPTH	1.30	1.25	1.30	1.34	1.32	1.26	1.26	1.27	1.26	1.30	1.27	1.24	1.24	1.22	1.23	1.24	1.27	1.27	1.34	1.46	1.54
PIPE INVERT	30.39	30.45	30.51	30.57	30.64	30.70	30.76	30.82	30.89	30.95	31.01	31.07	31.13	31.22	31.32	31.41	31.51	31.61	31.71	31.75	31.76

PIPE DATA	approximately 710mm nominal diameter OPEN CUT
ROUTE INFO	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 B
PLAN & LONGITUDINAL SECTION SHEET
12 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

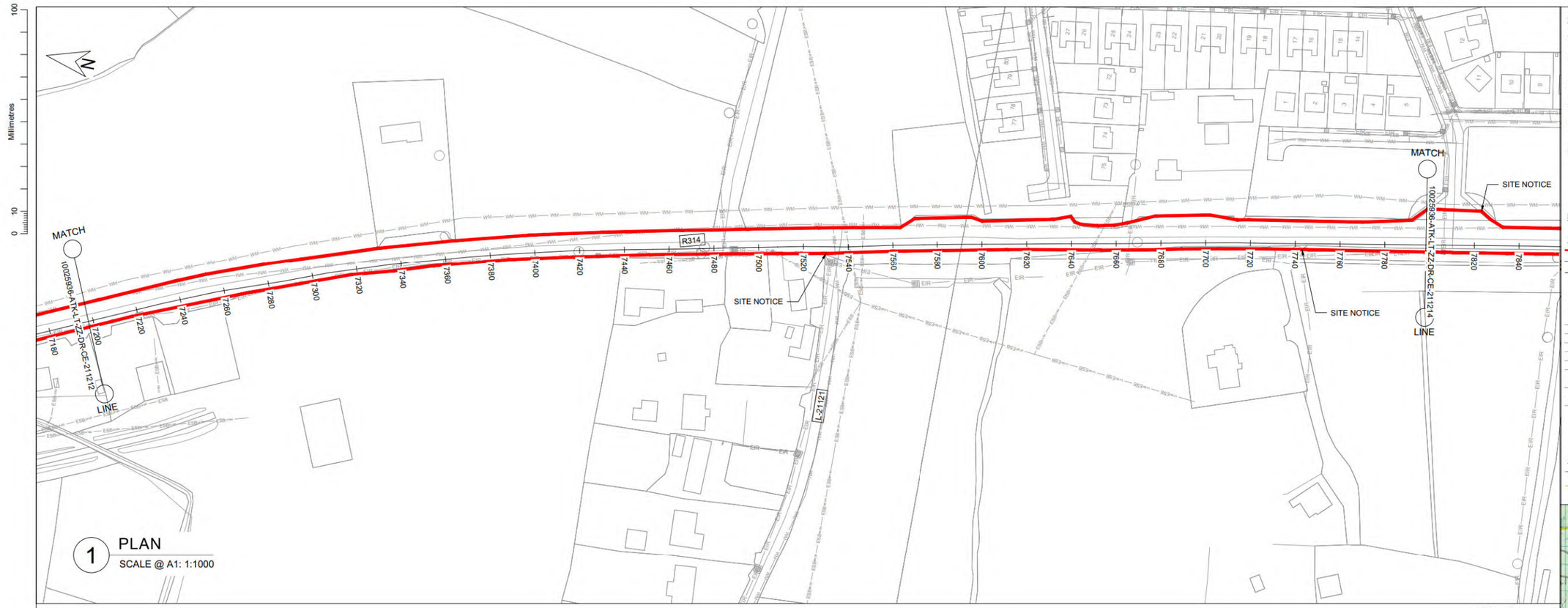
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211212 | Revision: C01

Internal Project Number: 100089328

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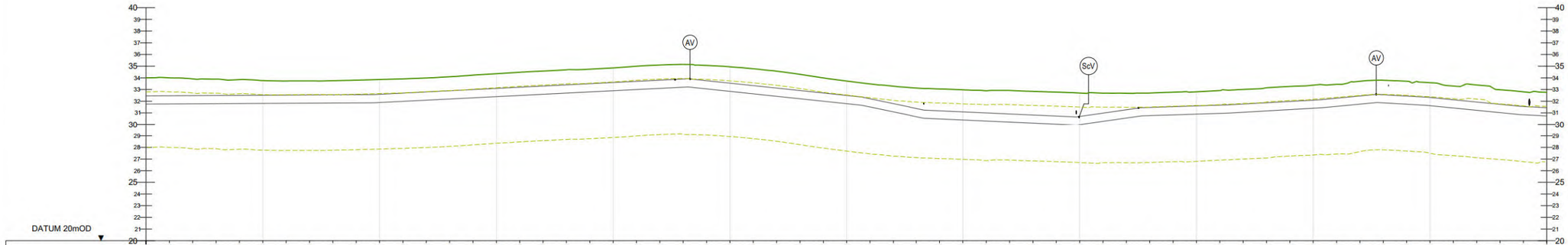
DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1247, 1316-B



CHAINAGE	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800
GROUND LEVEL	34.00	34.00	33.91	33.89	33.85	33.76	33.73	33.73	33.75	33.80	33.86	33.91	33.99	34.09	34.23	34.36	34.48	34.58	34.69	34.74	34.85	34.99	35.10	35.15	35.06	34.94	34.78	34.57	34.30	33.99	33.73	33.48	33.29	33.13	33.05	32.98	32.89	32.92	32.84	32.78	32.70	32.69	32.68	32.70	32.77	32.81	32.91	33.01	33.15	33.26	33.37	33.45	33.71	33.79	33.71	33.59	33.30	33.39	32.98	32.81	32.76
COVER DEPTH	1.54	1.53	1.43	1.40	1.34	1.25	1.21	1.20	1.21	1.25	1.27	1.22	1.20	1.20	1.24	1.26	1.28	1.29	1.29	1.25	1.26	1.30	1.30	1.25	1.31	1.40	1.44	1.45	1.38	1.29	1.24	1.27	1.49	1.75	1.86	1.89	1.89	2.01	2.02	2.05	2.00	1.71	1.41	1.23	1.24	1.21	1.25	1.26	1.28	1.28	1.28	1.18	1.25	1.23	1.27	1.26	1.17	1.46	1.25	1.26	1.32
PIPE INVERT	31.76	31.77	31.78	31.79	31.80	31.81	31.82	31.83	31.85	31.86	31.89	31.99	32.09	32.19	32.29	32.39	32.49	32.59	32.69	32.80	32.90	33.00	33.10	33.20	33.05	32.84	32.63	32.42	32.21	32.00	31.79	31.51	31.09	30.67	30.48	30.39	30.30	30.21	30.12	30.03	29.99	30.28	30.56	30.77	30.83	30.90	30.96	31.06	31.17	31.28	31.40	31.56	31.75	31.86	31.74	31.62	31.42	31.22	31.03	30.84	30.74
PIPE DATA	approximately 710mm 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
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- 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
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- 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 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 B
PLAN & LONGITUDINAL SECTION
SHEET 13 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

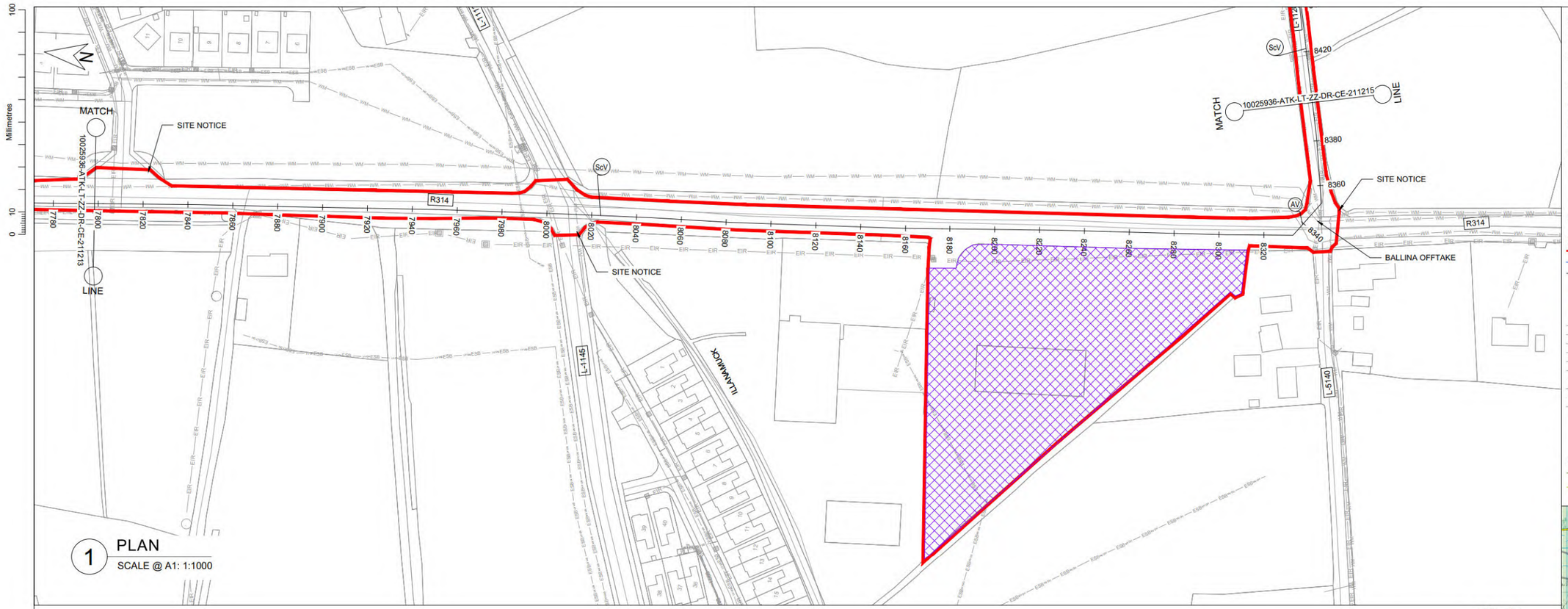
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211213 — Revision: C01

Internal Project Number: 100089328

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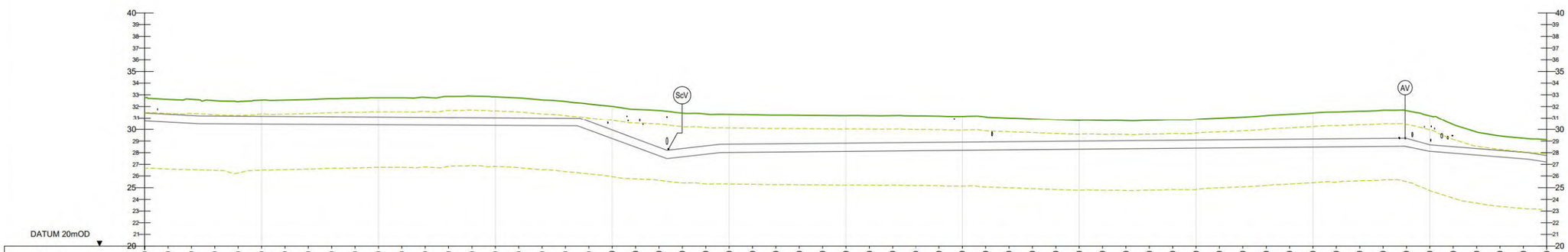
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1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1316-B



CHAINAGE	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400
GROUND LEVEL	32.76	32.61	32.62	32.50	32.41	32.55	32.55	32.59	32.67	32.71	32.75	32.74	32.78	32.86	32.89	32.83	32.74	32.56	32.43	32.22	32.01	31.76	31.66	31.44	31.36	31.32	31.30	31.26	31.26	31.24	31.23	31.22	31.22	31.19	31.17	31.15	31.10	31.00	30.93	30.85	30.79	30.78	30.77	30.79	30.84	30.89	31.00	31.08	31.22	31.33	31.44	31.53	31.60	31.68	31.65	31.20	30.42	29.77	29.44	29.24	29.12
COVER DEPTH	1.32	1.27	1.38	1.32	1.24	1.39	1.40	1.46	1.55	1.60	1.65	1.66	1.71	1.81	1.85	1.80	1.72	1.56	1.44	1.52	2.06	2.55	3.20	3.09	2.78	2.60	2.56	2.50	2.48	2.44	2.41	2.39	2.37	2.32	2.28	2.24	2.17	2.05	1.97	1.87	1.79	1.77	1.73	1.74	1.77	1.81	1.89	1.96	2.08	2.18	2.27	2.34	2.40	2.46	2.42	2.52	1.91	1.42	1.24	1.21	1.36
PIPE INVERT	30.74	30.63	30.52	30.48	30.47	30.46	30.45	30.44	30.42	30.41	30.40	30.39	30.38	30.37	30.36	30.35	30.34	30.33	30.32	29.95	29.21	28.48	27.74	27.64	27.87	28.01	28.03	28.05	28.07	28.09	28.11	28.13	28.14	28.16	28.18	28.20	28.22	28.24	28.26	28.27	28.29	28.31	28.33	28.35	28.37	28.38	28.40	28.42	28.44	28.46	28.48	28.49	28.51	28.53	28.52	28.12	27.96	27.80	27.63	27.47	27.20
PIPE DATA	approximately 710mm nominal diameter OPEN CUT																																																																approximately 560mm nominal diameter OPEN CUT				
ROUTE INFO	ROAD																																																																							

2 LONGITUDINAL SECTION

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

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
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LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 PLANNING

Status: A2

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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 B
PLAN & LONGITUDINAL SECTION SHEET
14 OF 54

Scale	Drawn	Checked	Reviewed	Authorised
1:200 @A1 1:1000 @A1	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-211214

Revision: C01

Internal Project Number: 100089328

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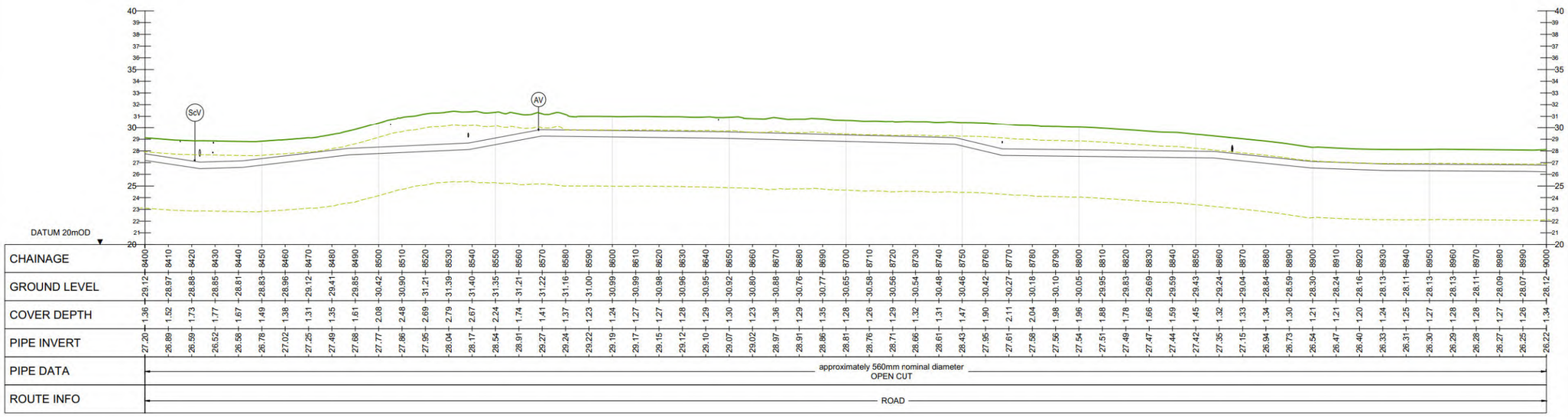
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1316-B, 1317-A



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

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PLAN

- RED LINE BOUNDARY
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- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- 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)



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 B PLAN & LONGITUDINAL SECTION SHEET 15 OF 54

Scale	Drawn	Checked	Reviewed	Authorised
1:200 @A1 1:1000 @A1	SB	ABM	MMcE	TM
Original Size: A1	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26

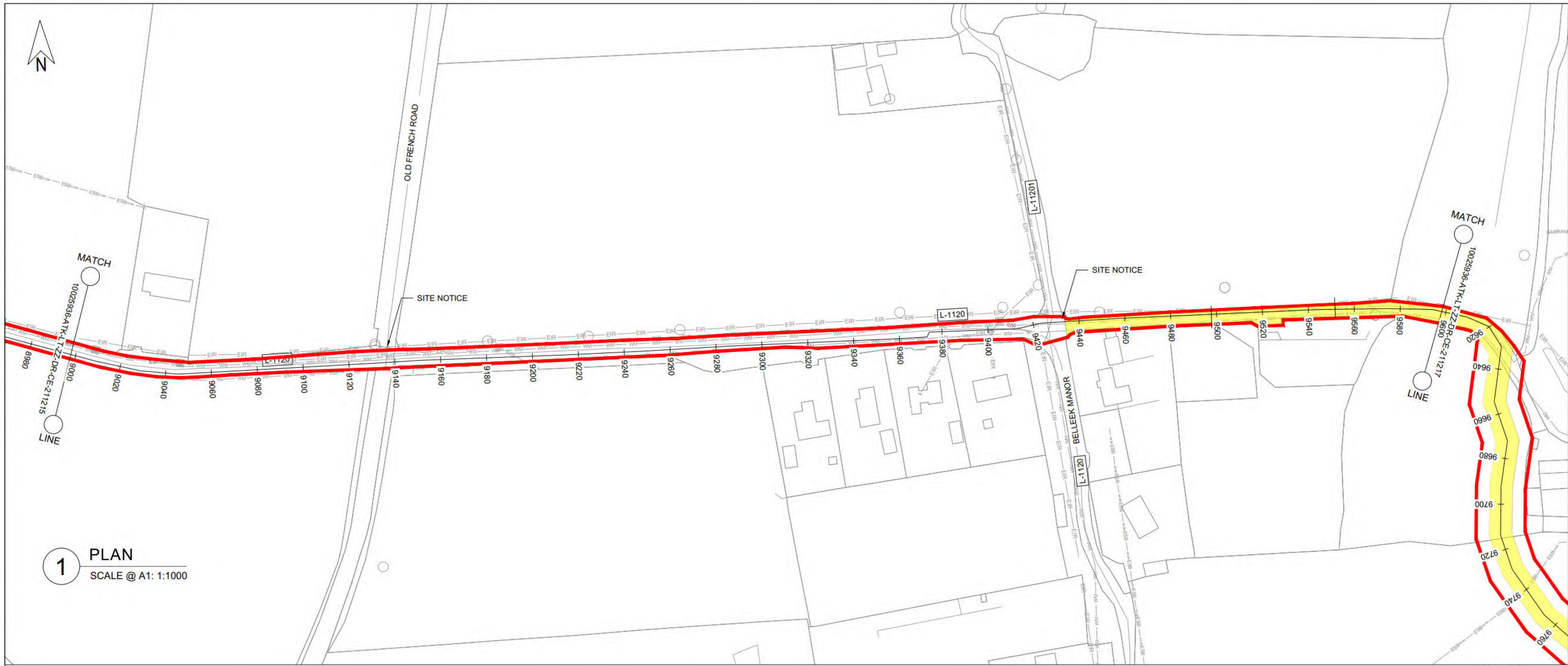
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211215
Revision: C01

Internal Project Number: 100089328

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1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:
1317-A

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LEGEND:

PLAN

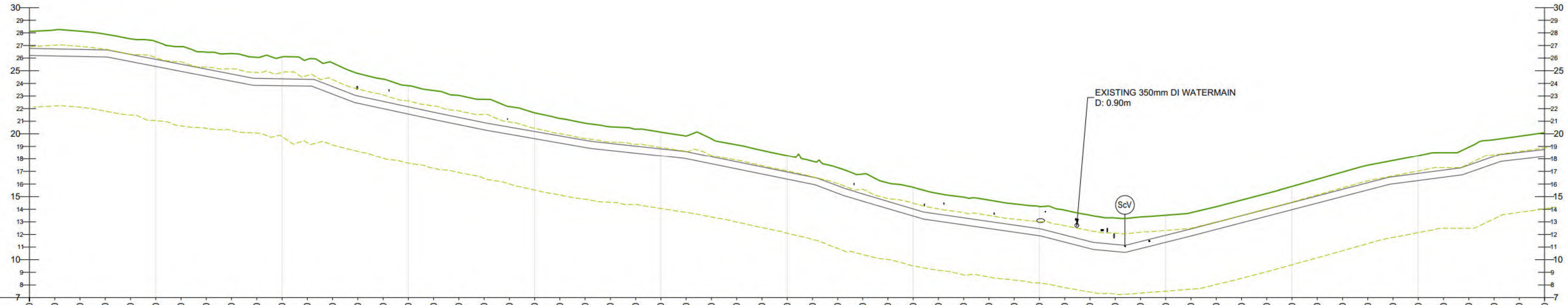
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (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



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
9000	28.12	1.34	26.22
9010	28.23	1.50	26.17
9020	28.14	1.44	26.13
9030	27.90	1.24	26.09
9040	27.53	1.24	25.73
9050	27.32	1.41	25.34
9060	26.91	1.39	24.95
9070	26.47	1.34	24.56
9080	26.36	1.63	24.18
9090	26.07	1.67	23.84
9100	26.09	1.73	23.81
9110	25.90	1.58	23.79
9120	25.62	1.88	23.15
9130	24.79	1.79	22.43
9140	24.34	1.77	22.00
9150	23.82	1.67	21.57
9160	23.43	1.72	21.14
9170	23.05	1.75	20.73
9180	22.73	1.84	20.32
9190	22.16	1.62	19.97
9200	21.67	1.48	19.62
9210	21.22	1.39	19.27
9220	20.84	1.35	18.92
9230	20.55	1.32	18.68
9240	20.38	1.35	18.46
9250	20.13	1.32	18.24
9260	19.82	1.24	18.01
9270	19.60	1.43	17.60
9280	19.13	1.36	17.20
9290	18.69	1.32	16.79
9300	18.26	1.31	16.39
9310	17.81	1.26	15.98
9320	17.30	1.44	15.26
9330	16.79	1.57	14.64
9340	16.09	1.47	14.05
9350	15.74	1.71	13.46
9360	15.24	1.63	13.05
9370	14.96	1.63	12.76
9380	14.72	1.69	12.47
9390	14.42	1.68	12.19
9400	14.21	1.75	11.90
9410	13.93	1.97	11.39
9420	13.53	2.09	10.88
9430	13.31	2.10	10.65
9440	13.38	1.95	10.88
9450	13.52	1.59	11.38
9460	13.72	1.29	11.88
9470	14.20	1.24	12.40
9480	14.73	1.24	12.92
9490	15.25	1.24	13.44
9500	15.81	1.28	13.96
9510	16.38	1.32	14.48
9520	16.95	1.37	15.00
9530	17.49	1.39	15.53
9540	17.87	1.29	16.01
9550	18.25	1.41	16.28
9560	18.50	1.40	16.54
9570	18.94	1.43	16.91
9580	19.54	1.33	17.61
9590	19.81	1.28	17.96
9600	20.10	1.34	18.20

PIPE DATA: approximately 560mm nominal diameter, OPEN CUT

ROUTE INFO: ROAD; PRIVATE ROAD & WOOD LAND

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 B PLAN & LONGITUDINAL SECTION SHEET 16 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-211216 Revision: C01

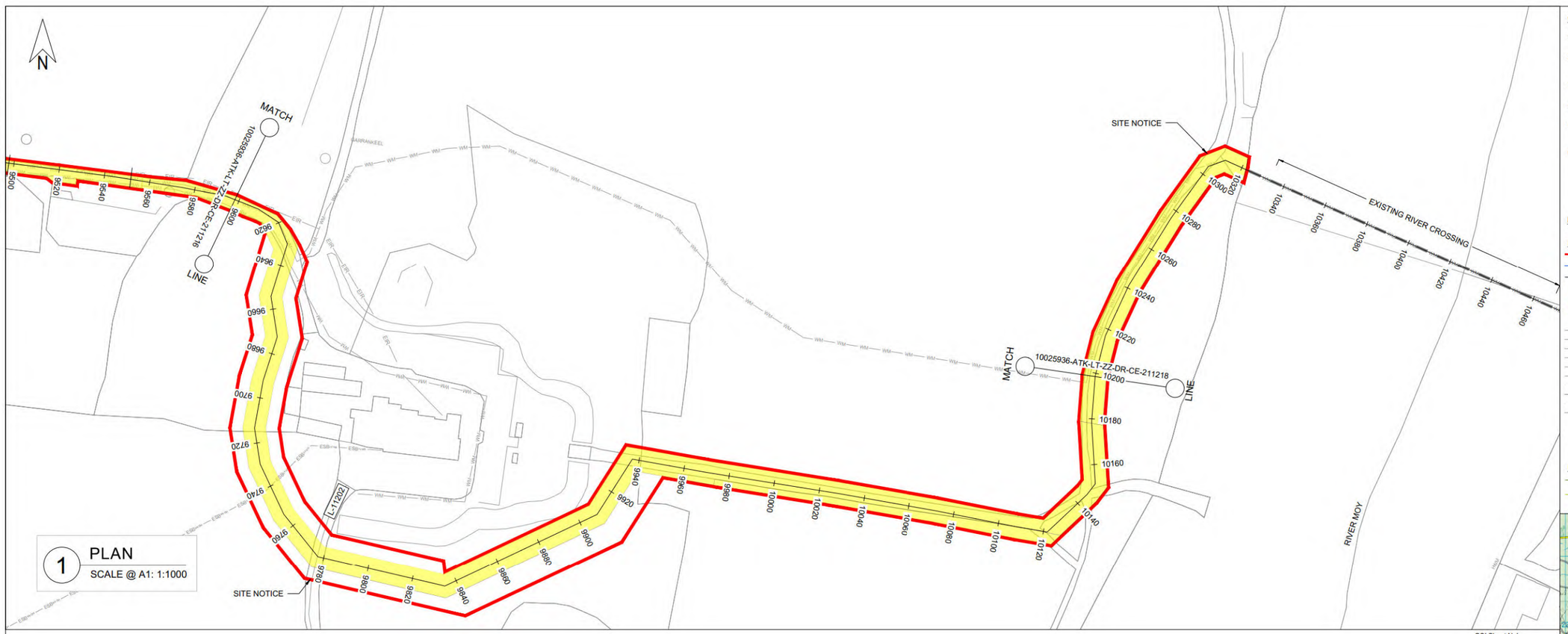
Internal Project Number: 100089328

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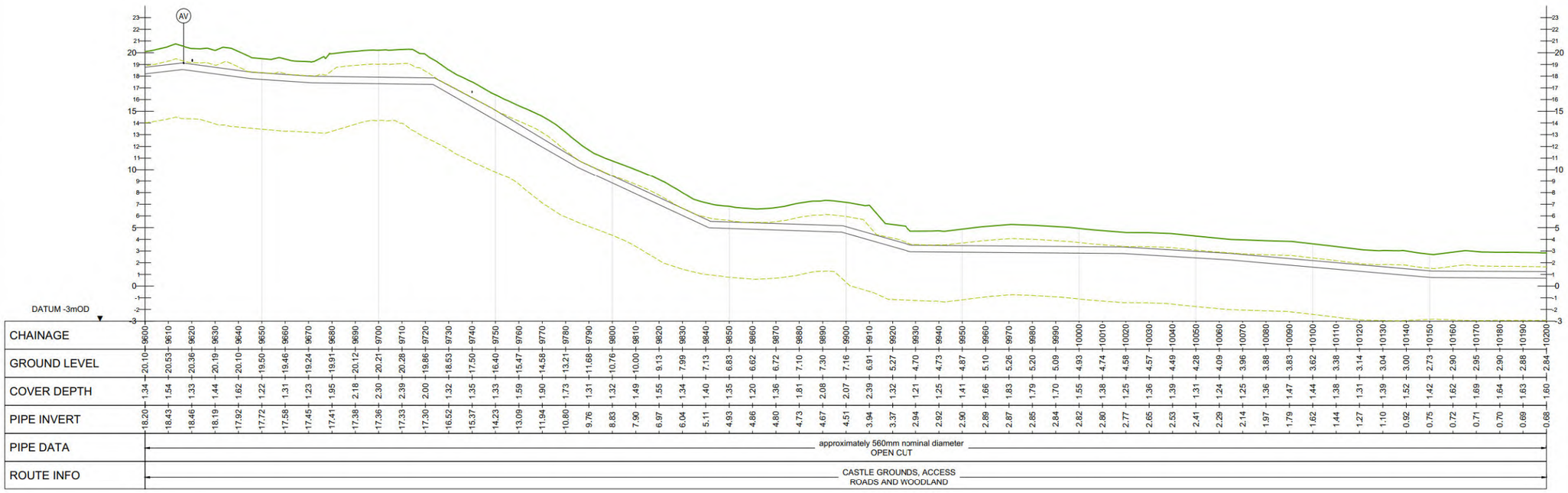
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1317-A





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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
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- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
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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)

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 B
PLAN & LONGITUDINAL SECTION SHEET
17 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

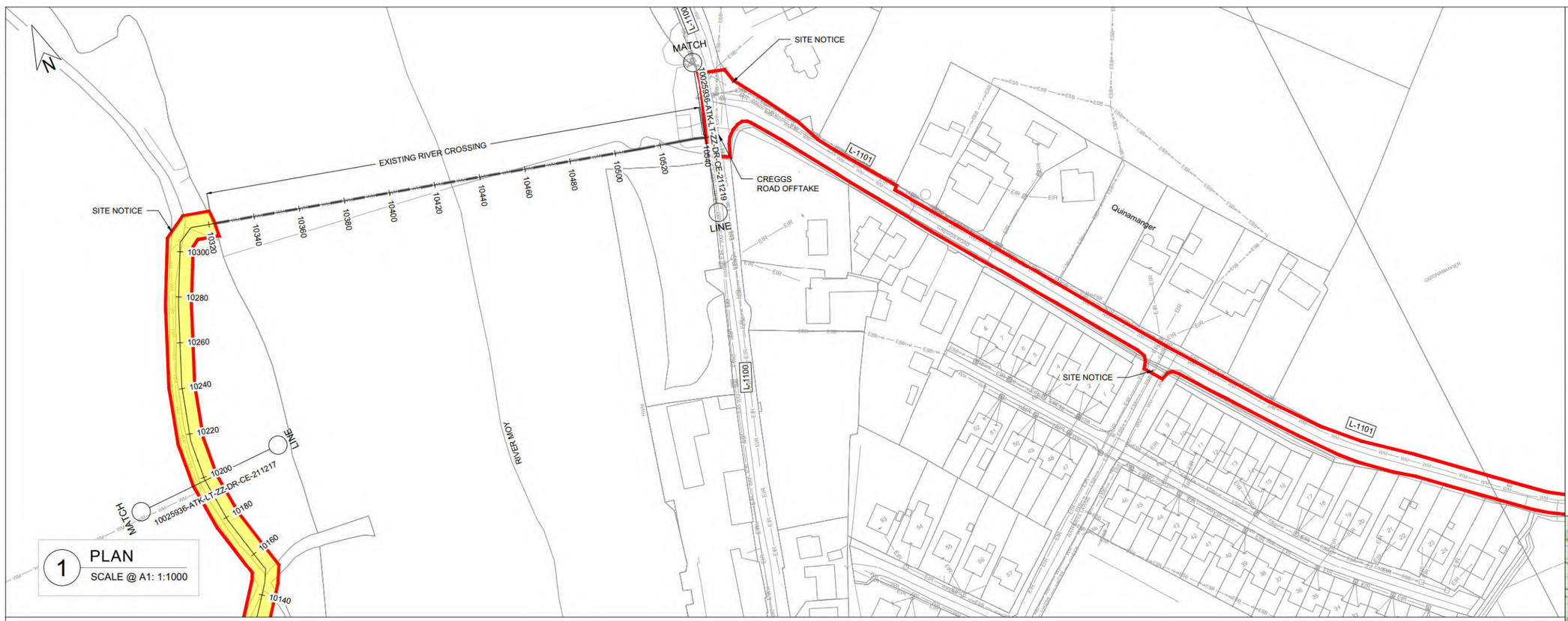
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211217
Revision: C01

Internal Project Number: 100089328

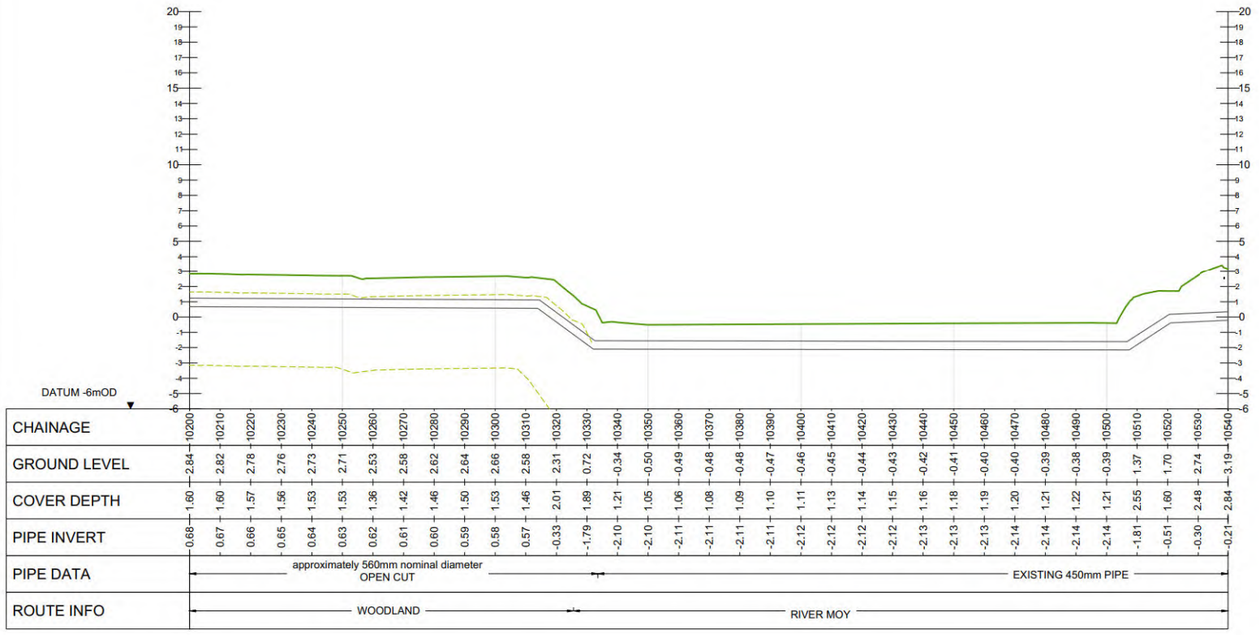
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SCALE @ A1: 1:1000



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

OSI Sheet No's:
1317-A, 1316-B

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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 PLANNING
Status: A2

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Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE
PIPELINE B
PLAN & LONGITUDINAL SECTION SHEET
18 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

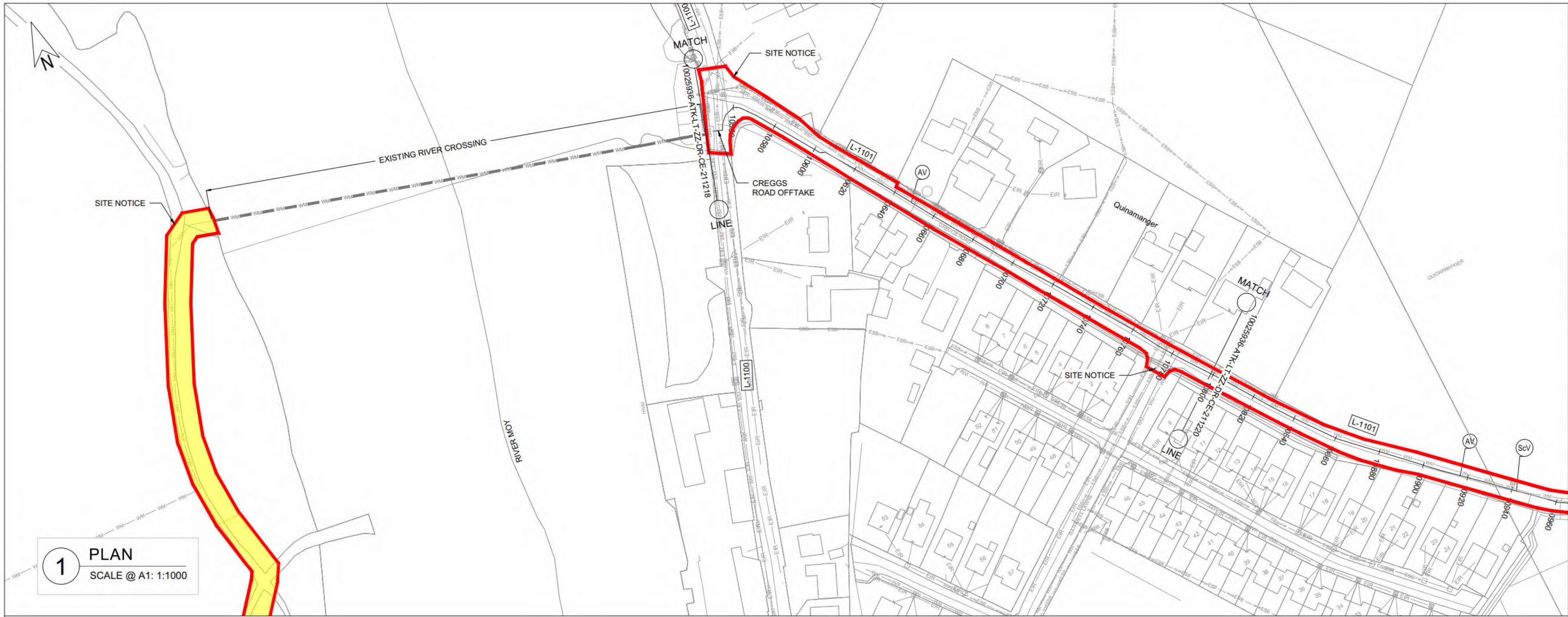
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211218
Revision: C01

Internal Project Number: 100089328

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1 PLAN

SCALE @ A1: 1:1000

GENERAL NOTES

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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 B
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — WM — EXISTING WATERMAIN
- FW — 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 — TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

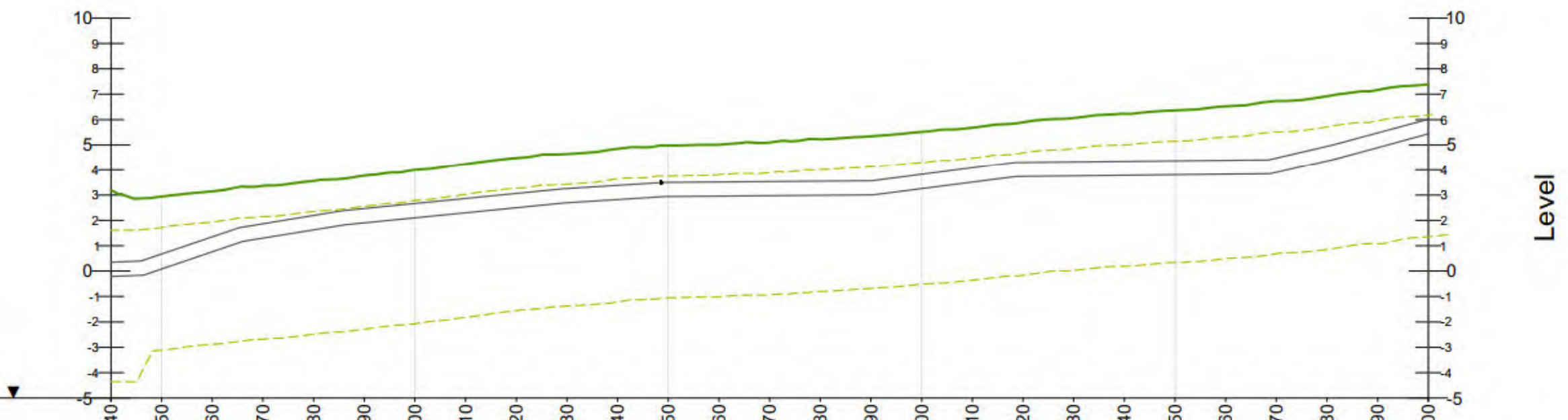
LONGITUDINAL SECTION

- 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:

1317-A & 1317-B



CHAINAGE	10540	10550	10560	10570	10580	10590	10600	10610	10620	10630	10640	10650	10660	10670
GROUND LEVEL	3.19	2.94	3.14	3.37	3.56	3.77	3.99	4.24	4.48	4.64	4.85	4.98	5.01	5.09
COVER DEPTH	2.84	2.26	1.79	1.50	1.37	1.30	1.33	1.38	1.41	1.38	1.47	1.48	1.50	1.56
PIPE INVERT	-0.21	0.08	0.76	1.30	1.63	1.90	2.10	2.30	2.50	2.70	2.82	2.94	2.96	2.97

CHAINAGE	10680	10690	10700	10710	10720	10730	10740	10750	10760	10770	10780	10790	10800
GROUND LEVEL	5.22	5.34	5.51	5.68	5.89	6.06	6.23	6.36	6.52	6.73	6.92	7.17	7.39
COVER DEPTH	1.67	1.78	1.69	1.60	1.59	1.74	1.88	2.00	2.13	2.26	1.98	1.69	1.38
PIPE INVERT	2.99	3.00	3.26	3.52	3.74	3.76	3.78	3.81	3.83	3.90	4.36	4.89	5.44

PIPE DATA	approximately 560mm nominal diameter OPEN CUT
ROUTE INFO	RIVER MOY

2 LONGITUDINAL SECTION

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

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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

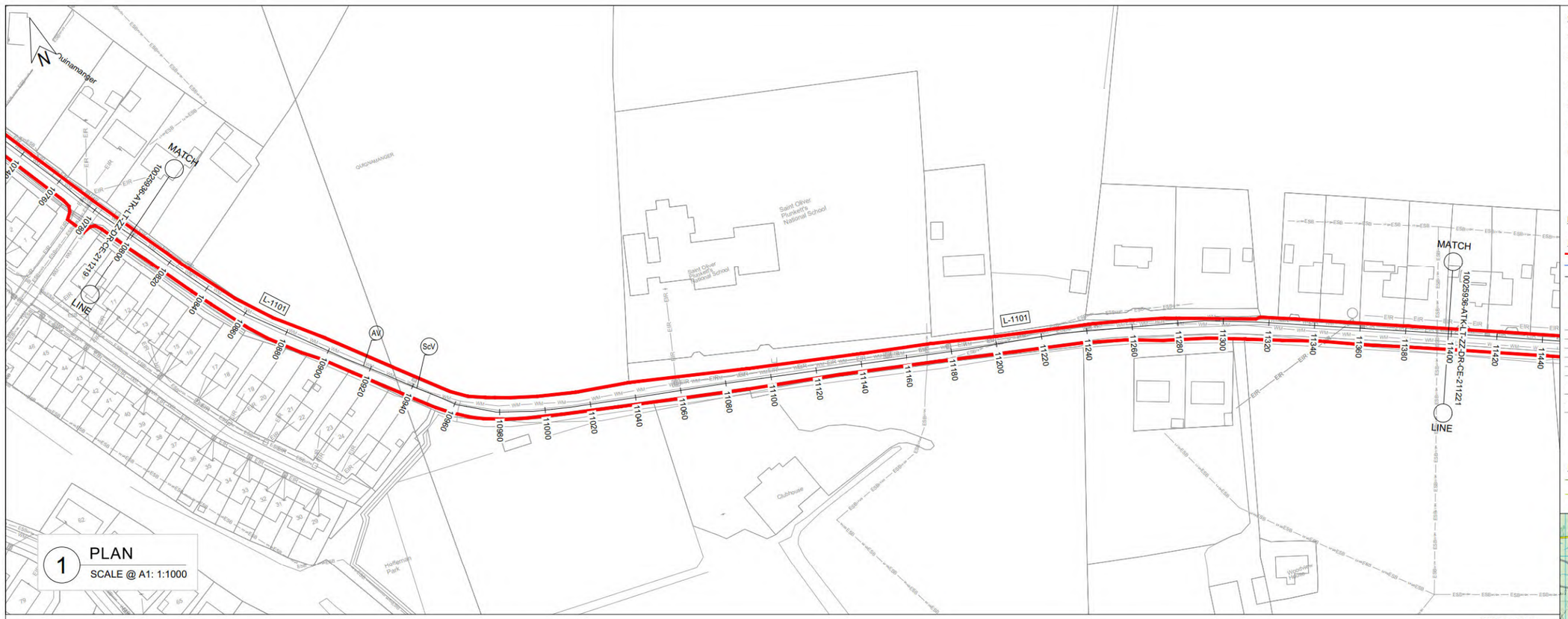
PROPOSED TREATED WATER PIPELINE
PIPELINE C
PLAN & LONGITUDINAL SECTION SHEET
19 OF 54

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

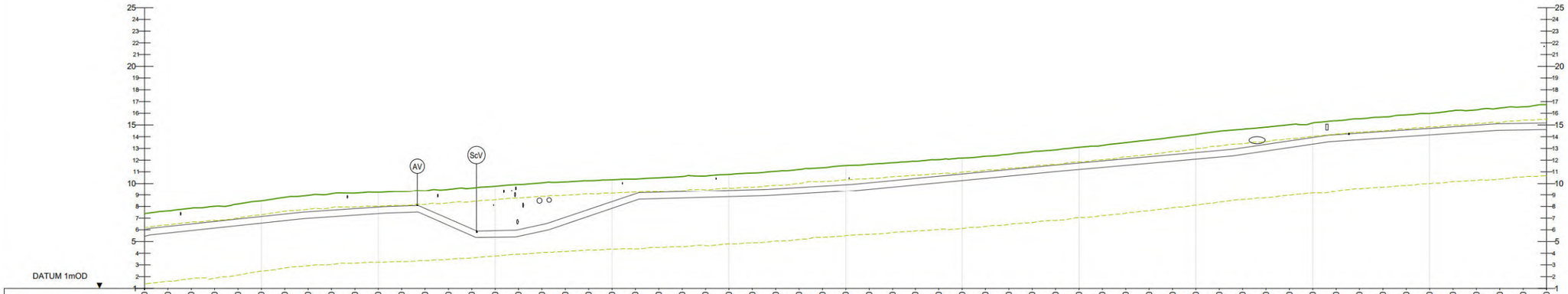
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211219 — Revision: C01

Internal Project Number: 100089328

DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	10800 10810 10820 10830 10840 10850 10860 10870 10880 10890 10900 10910 10920 10930 10940 10950 10960 10970 10980 10990 11000 11010 11020 11030 11040 11050 11060 11070 11080 11090 11100 11110 11120 11130 11140 11150 11160 11170 11180 11190 11200 11210 11220 11230 11240 11250 11260 11270 11280 11290 11300 11310 11320 11330 11340 11350 11360 11370 11380 11390 11400
GROUND LEVEL	7.39 7.62 7.85 8.02 8.21 8.48 8.78 8.95 9.09 9.15 9.22 9.29 9.37 9.49 9.61 9.77 9.92 10.06 10.14 10.25 10.33 10.39 10.50 10.60 10.65 10.78 10.90 11.05 11.20 11.35 11.54 11.66 11.79 11.90 12.04 12.18 12.33 12.50 12.73 12.87 13.09 13.25 13.49 13.71 13.95 14.20 14.46 14.64 14.81 15.02 15.16 15.36 15.53 15.67 15.86 15.98 16.21 16.28 16.44 16.55 16.73
COVER DEPTH	1.38 1.33 1.35 1.31 1.29 1.35 1.43 1.41 1.41 1.34 1.27 1.25 1.54 2.54 3.52 3.84 3.91 3.62 3.07 2.50 1.91 1.30 1.26 1.31 1.30 1.38 1.44 1.51 1.54 1.58 1.65 1.60 1.54 1.47 1.42 1.36 1.33 1.30 1.33 1.29 1.33 1.31 1.38 1.42 1.48 1.55 1.64 1.58 1.47 1.38 1.24 1.19 1.22 1.23 1.28 1.27 1.36 1.29 1.34 1.41 1.56
PIPE INVERT	5.44 5.72 5.94 6.15 6.36 6.57 6.78 6.98 7.12 7.25 7.39 7.48 7.27 6.38 5.50 5.37 5.44 5.87 6.48 7.16 7.84 8.52 8.67 8.73 8.79 8.85 8.90 8.98 9.10 9.21 9.33 9.50 9.69 9.88 10.07 10.26 10.45 10.64 10.83 11.02 11.20 11.38 11.55 11.73 11.91 12.09 12.26 12.49 12.78 13.07 13.36 13.61 13.74 13.88 14.01 14.15 14.29 14.42 14.55 14.58 14.61
PIPE DATA	approximately 560mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

OSI Sheet No's:
1317-B & 1317-A

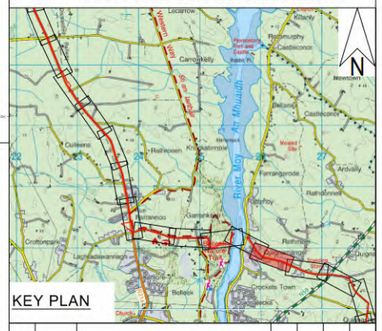
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 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 C
PLAN & LONGITUDINAL SECTION SHEET
20 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

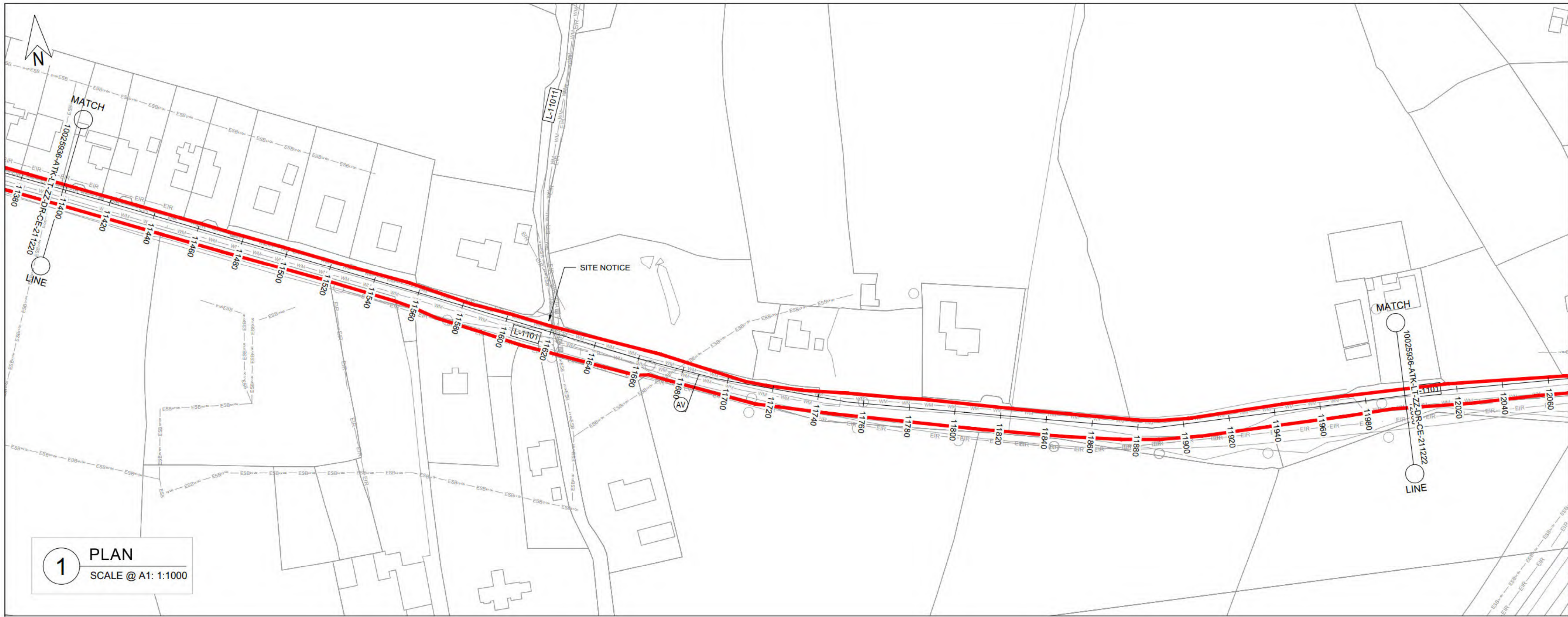
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211220
Revision: C01

Internal Project Number: 100089328

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1 PLAN
SCALE @ A1: 1:1000

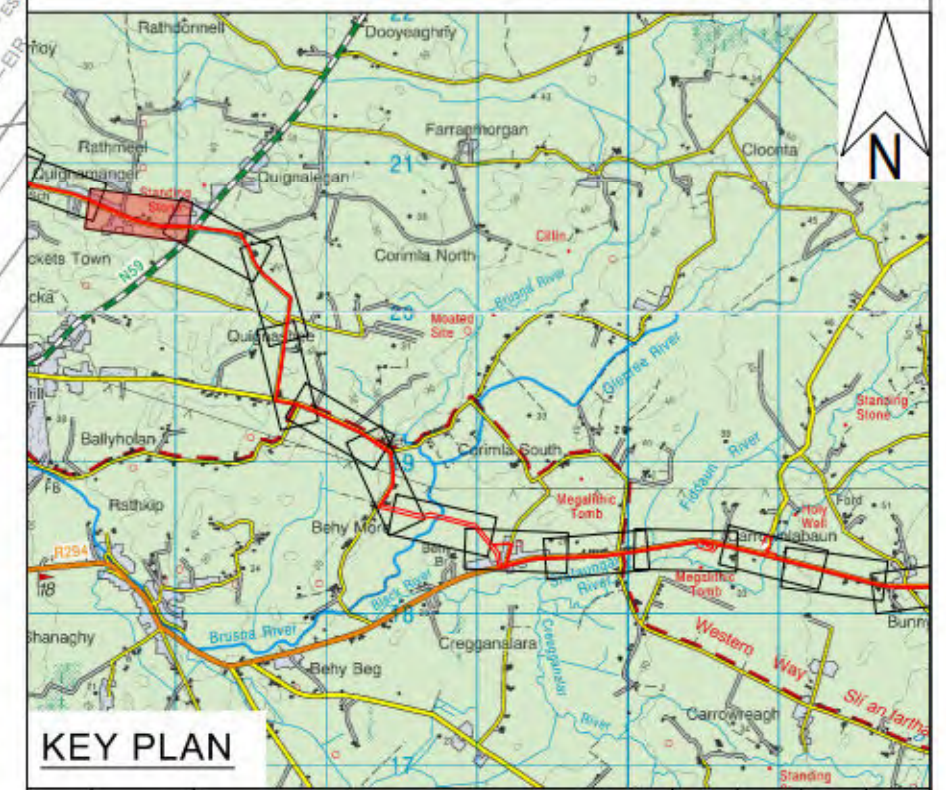
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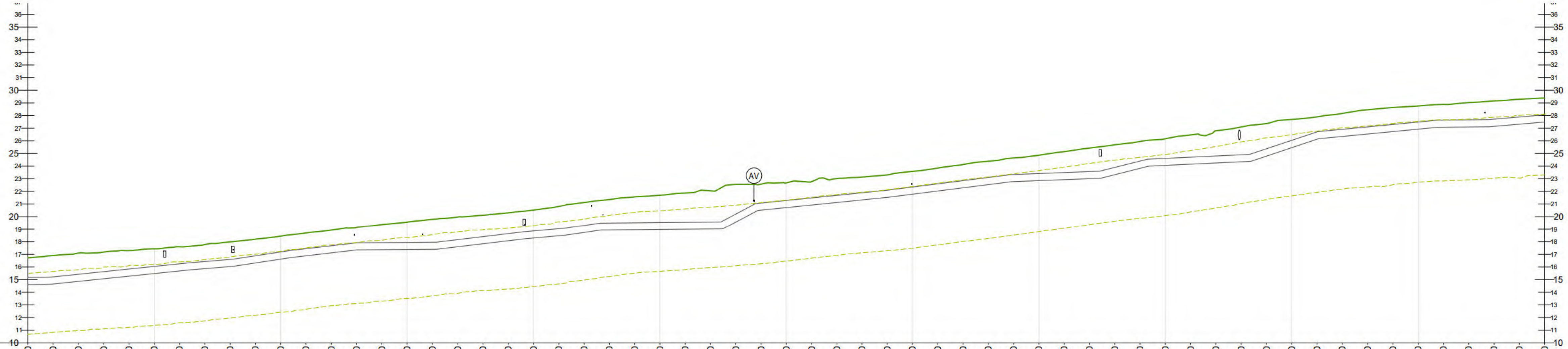
PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB 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)



KEY PLAN

OSI Sheet No's:
1317-B & 1317-D



DATUM 10mOD

CHAINAGE	11400	11410	11420	11430	11440	11450	11460	11470	11480	11490	11500	11510	11520
GROUND LEVEL	16.73	16.91	17.10	17.18	17.30	17.44	17.60	17.77	17.99	18.20	18.45	18.69	18.93
COVER DEPTH	1.56	1.69	1.67	1.55	1.46	1.40	1.35	1.34	1.39	1.31	1.26	1.24	1.24
PIPE INVERT	14.61	14.65	14.86	15.07	15.28	15.48	15.69	15.87	16.03	16.32	16.62	16.89	17.12

CHAINAGE	11530	11540	11550	11560	11570	11580	11590	11600	11610	11620	11630	11640	11650
GROUND LEVEL	19.13	19.37	19.57	19.79	19.98	20.12	20.31	20.53	20.82	21.12	21.36	21.57	21.71
COVER DEPTH	1.22	1.44	1.62	1.83	1.81	1.71	1.67	1.67	1.78	1.82	1.86	2.06	2.17
PIPE INVERT	17.35	17.37	17.39	17.40	17.60	17.84	18.08	18.30	18.47	18.74	18.94	18.96	18.97

CHAINAGE	11660	11670	11680	11690	11700	11710	11720	11730	11740	11750	11760	11770	11780
GROUND LEVEL	21.88	22.05	22.57	22.58	22.68	22.78	23.02	23.14	23.31	23.59	23.85	24.13	24.39
COVER DEPTH	2.32	2.48	2.36	1.50	1.39	1.29	1.33	1.25	1.21	1.24	1.25	1.28	1.28
PIPE INVERT	18.99	19.01	19.57	20.53	20.73	20.93	21.13	21.33	21.53	21.78	22.04	22.29	22.54

CHAINAGE	11790	11800	11810	11820	11830	11840	11850	11860	11870	11880	11890	11900	11910
GROUND LEVEL	24.64	24.87	25.15	25.43	25.69	25.95	26.17	26.47	26.79	27.10	27.37	27.70	27.90
COVER DEPTH	1.30	1.45	1.65	1.86	1.80	1.55	1.55	1.76	1.99	2.19	1.99	1.65	1.19
PIPE INVERT	22.78	22.86	22.93	23.01	23.32	23.83	24.06	24.16	24.25	24.35	24.79	25.46	26.13

CHAINAGE	11920	11930	11940	11950	11960	11970	11980	11990	12000
GROUND LEVEL	28.17	28.46	28.64	28.76	28.89	29.03	29.16	29.29	29.38
COVER DEPTH	1.25	1.36	1.34	1.27	1.25	1.37	1.45	1.41	1.33
PIPE INVERT	26.35	26.54	26.73	26.93	27.08	27.10	27.15	27.32	27.49

PIPE DATA	approximately 560mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

Rev.	Date	Description	By	Chk'd	Rev'd	App'd
CO1	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 C PLAN & LONGITUDINAL SECTION SHEET 21 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-211221 — Revision: C01

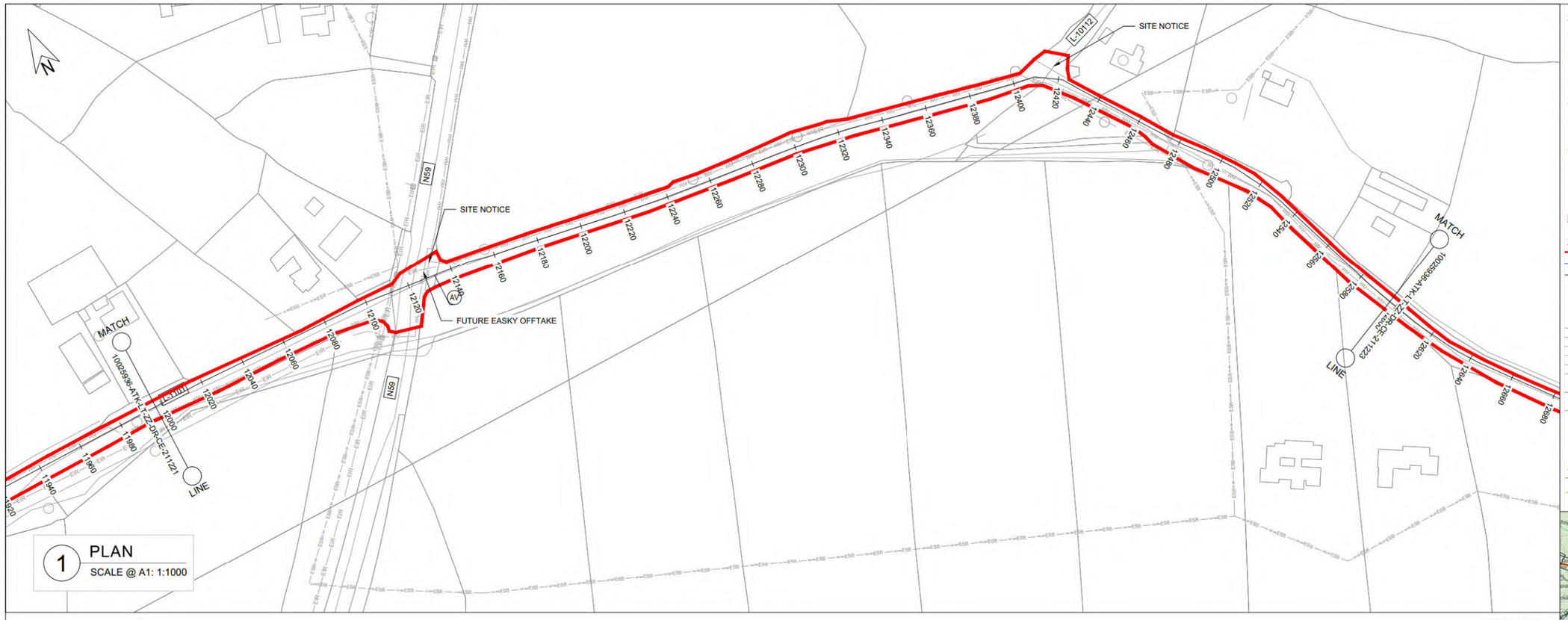
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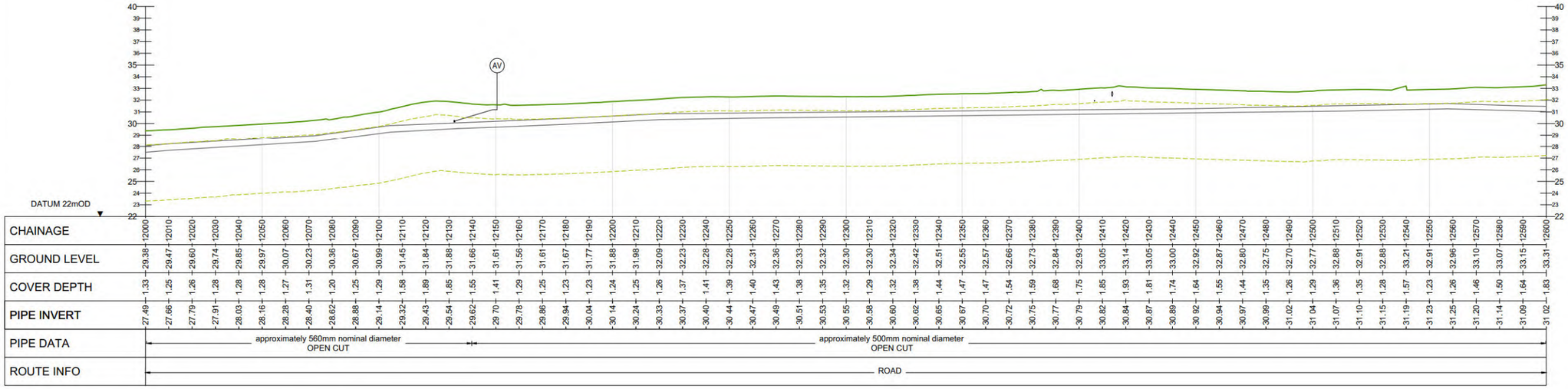
DO NOT SCALE

Millimetres 0 10 100



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1317-B & 1317-D



CHAINAGE	12000	12010	12020	12030	12040	12050	12060	12070	12080	12090	12100	12110	12120	12130	12140	12150	12160	12170	12180	12190	12200	12210	12220	12230	12240	12250	12260	12270	12280	12290	12300	12310	12320	12330	12340	12350	12360	12370	12380	12390	12400	12410	12420	12430	12440	12450	12460	12470	12480	12490	12500	12510	12520	12530	12540	12550	12560	12570	12580	12590	12600
GROUND LEVEL	29.38	29.47	29.60	29.74	29.85	29.97	30.07	30.23	30.36	30.67	30.99	31.45	31.84	31.88	31.66	31.61	31.61	31.67	31.77	31.88	31.98	32.09	32.23	32.28	32.28	32.31	32.36	32.33	32.32	32.30	32.30	32.34	32.42	32.51	32.55	32.57	32.66	32.73	32.84	32.93	33.05	33.14	33.05	33.00	32.92	32.87	32.80	32.75	32.70	32.77	32.88	32.91	32.88	33.21	32.91	32.96	33.10	33.07	33.15	33.09	33.31
COVER DEPTH	1.33	1.25	1.26	1.28	1.28	1.28	1.27	1.31	1.20	1.25	1.29	1.58	1.89	1.85	1.55	1.41	1.29	1.25	1.23	1.23	1.24	1.25	1.26	1.37	1.41	1.39	1.40	1.43	1.38	1.35	1.32	1.29	1.32	1.38	1.44	1.47	1.47	1.54	1.59	1.68	1.75	1.85	1.93	1.81	1.74	1.64	1.55	1.44	1.35	1.26	1.29	1.36	1.35	1.28	1.57	1.23	1.26	1.46	1.50	1.64	1.83
PIPE INVERT	27.49	27.66	27.79	27.91	28.03	28.16	28.28	28.40	28.62	28.88	29.14	29.32	29.43	29.54	29.62	29.70	29.78	29.86	29.94	30.04	30.14	30.24	30.33	30.37	30.40	30.44	30.47	30.49	30.51	30.53	30.55	30.58	30.60	30.62	30.65	30.67	30.70	30.72	30.75	30.77	30.79	30.82	30.84	30.87	30.89	30.92	30.94	30.97	30.99	31.02	31.04	31.07	31.10	31.15	31.19	31.23	31.25	31.20	31.14	31.09	31.02
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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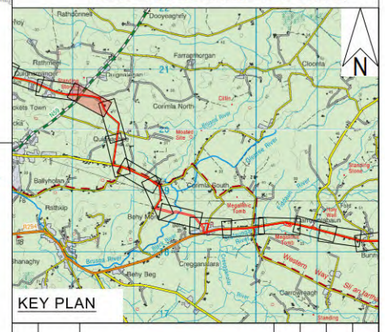
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- 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)



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 C
PLAN & LONGITUDINAL SECTION SHEET
21 OF 54

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-LT-ZZ-DR-CE-211222
Revision: C01

Internal Project Number: 100089328

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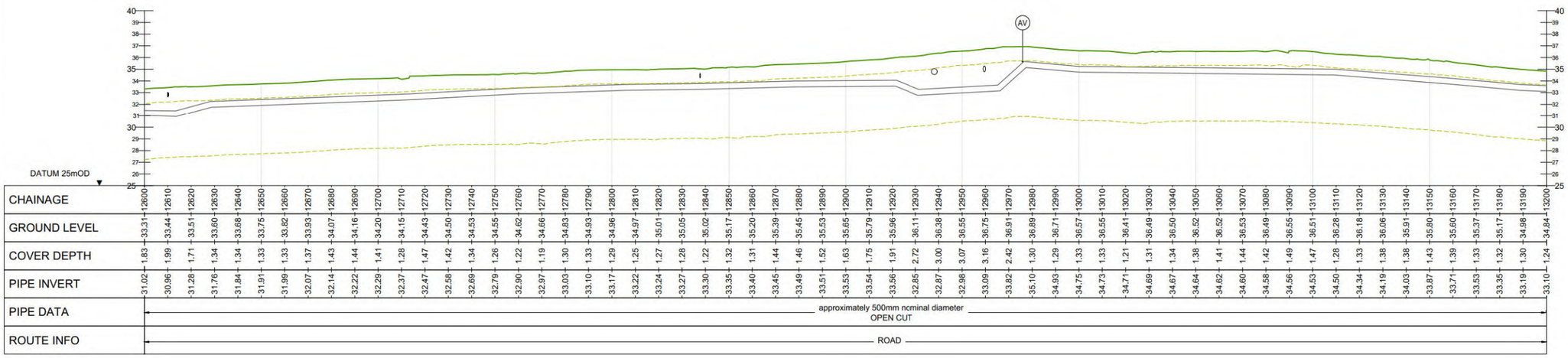
DO NOT SCALE

Millimetres 0 10 100



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1317-D



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

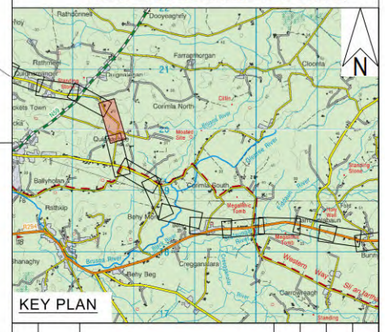
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 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 C
PLAN & LONGITUDINAL SECTION SHEET
21 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

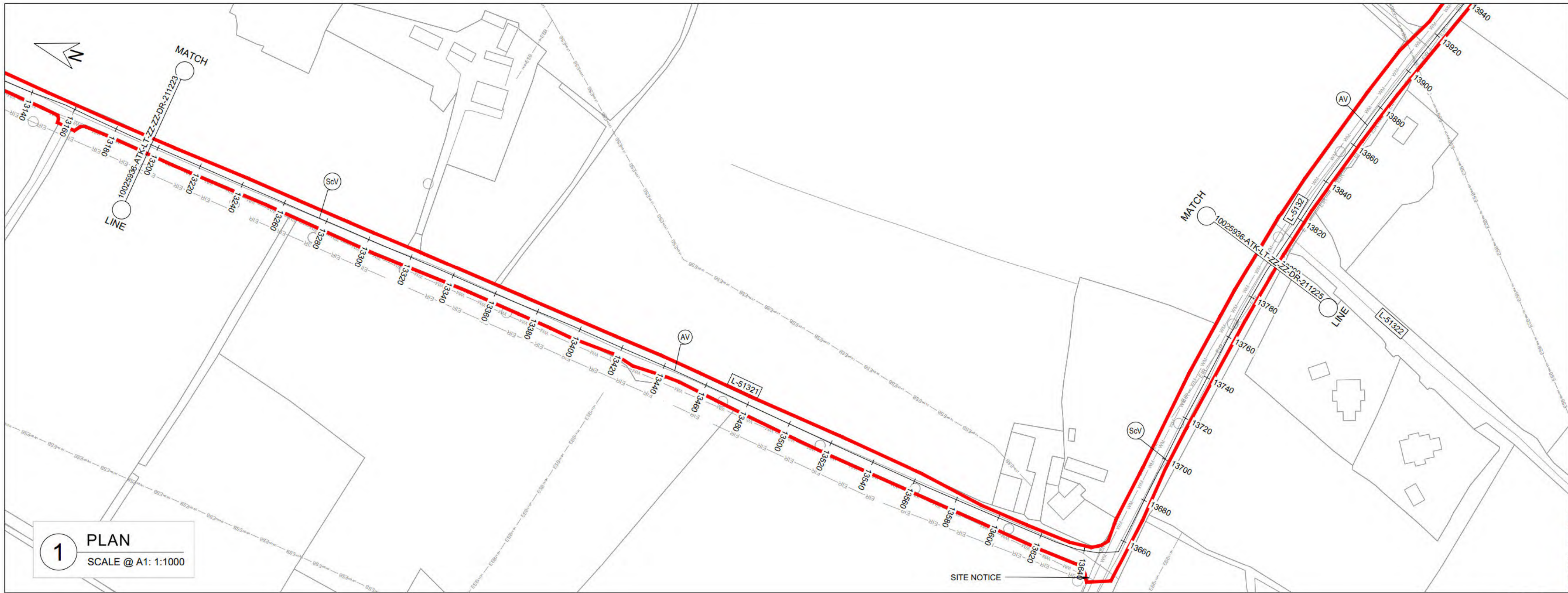
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211223
Revision: C01

Internal Project Number: 100089328

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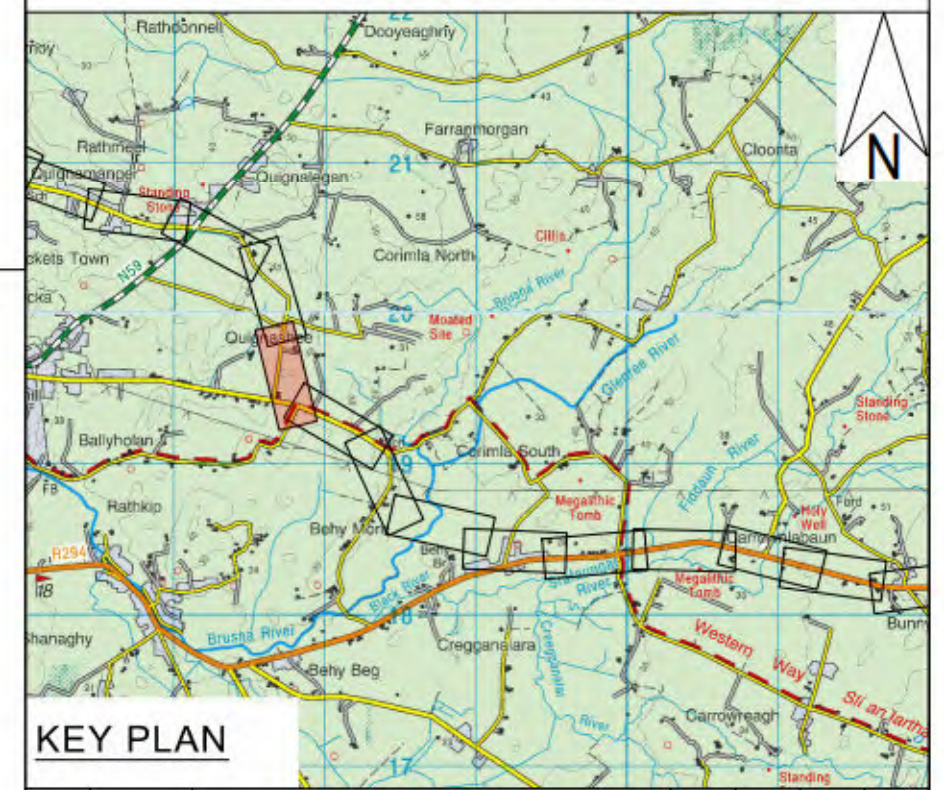
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- 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
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- BT — EXISTING BT
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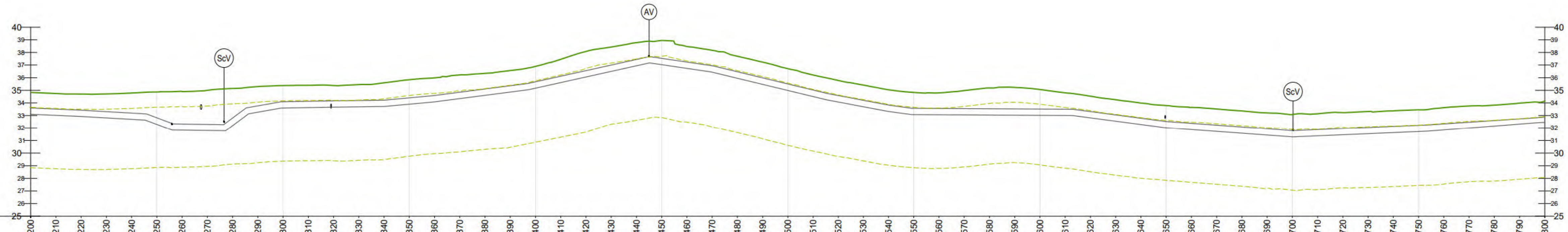
LONGITUDINAL SECTION

- 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:
1317-D



DATUM 25mOD

CHAINAGE	13200	13210	13220	13230	13240	13250	13260	13270	13280	13290	13300	13310	13320	13330	13340	13350
GROUND LEVEL	34.84	34.75	34.70	34.72	34.79	34.87	34.90	35.00	35.15	35.30	35.37	35.40	35.38	35.45	35.59	35.84
COVER DEPTH	1.24	1.24	1.28	1.41	1.59	2.05	2.58	2.70	2.34	1.53	1.28	1.27	1.22	1.26	1.37	1.44
PIPE INVERT	33.10	33.01	32.92	32.81	32.70	32.29	31.83	31.80	32.19	33.27	33.59	33.63	33.66	33.69	33.72	33.90

CHAINAGE	13360	13370	13380	13390	13400	13410	13420	13430	13440	13450	13460	13470	13480	13490	13500	13510
GROUND LEVEL	35.99	36.22	36.34	36.56	36.90	37.46	38.08	38.43	38.78	38.95	38.47	38.17	37.70	37.23	36.72	36.22
COVER DEPTH	1.40	1.37	1.24	1.20	1.22	1.34	1.52	1.43	1.33	1.42	1.23	1.22	1.23	1.24	1.21	1.20
PIPE INVERT	34.08	34.34	34.60	34.86	35.17	35.61	36.06	36.50	36.95	37.03	36.74	36.44	35.96	35.47	34.99	34.51

CHAINAGE	13520	13530	13540	13550	13560	13570	13580	13590	13600	13610	13620	13630	13640	13650	13660	13670
GROUND LEVEL	35.78	35.42	35.04	34.83	34.80	34.98	35.19	35.23	35.06	34.80	34.54	34.25	33.99	33.79	33.64	33.52
COVER DEPTH	1.20	1.21	1.21	1.26	1.23	1.43	1.65	1.71	1.55	1.30	1.22	1.21	1.21	1.27	1.27	1.29
PIPE INVERT	34.07	33.70	33.33	33.08	33.06	33.05	33.04	33.03	33.01	33.00	32.81	32.55	32.28	32.02	31.87	31.73

CHAINAGE	13680	13690	13700	13710	13720	13730	13740	13750	13760	13770	13780	13790	13800
GROUND LEVEL	33.36	33.21	33.09	33.14	33.24	33.32	33.37	33.45	33.62	33.76	33.82	33.98	34.14
COVER DEPTH	1.28	1.27	1.29	1.26	1.27	1.27	1.24	1.24	1.29	1.29	1.22	1.25	1.27
PIPE INVERT	31.58	31.44	31.30	31.38	31.46	31.55	31.63	31.72	31.85	32.00	32.16	32.32	32.45

PIPE DATA	approximately 500mm nominal diameter OPEN CUT
ROUTE INFO	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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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 C PLAN & LONGITUDINAL SECTION SHEET 24 OF 54

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-LT-ZZ-DR-CE-211224 — Revision: C01

Internal Project Number: 100089328

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MATCH
10025936-ATK-LT-ZZ-DR-CE-211224
LINE
L-5132
L-51322
AV
MATCH
10025936-ATK-LT-ZZ-DR-CE-211226
LINE

1 PLAN
SCALE @ A1: 1:1000

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LEGEND:

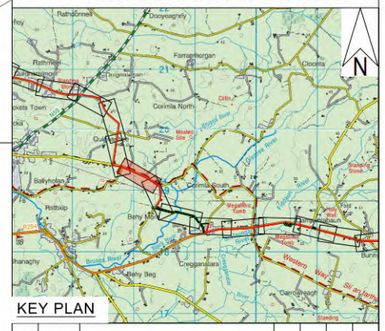
PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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:
1318,1317-D



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

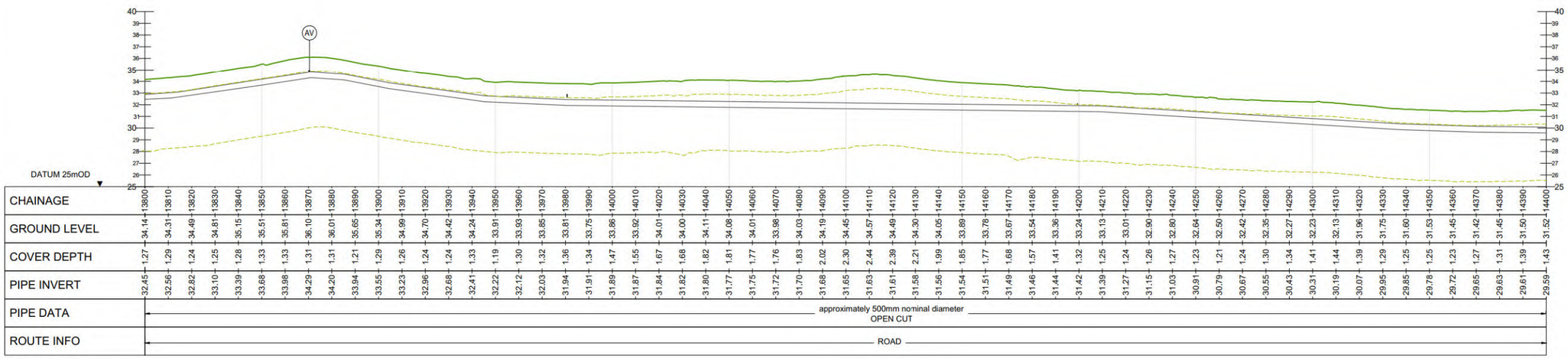
Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE
PIPELINE C
PLAN & LONGITUDINAL SECTION
SHEET 25 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-211225
Revision: C01

Internal Project Number: 100089328



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

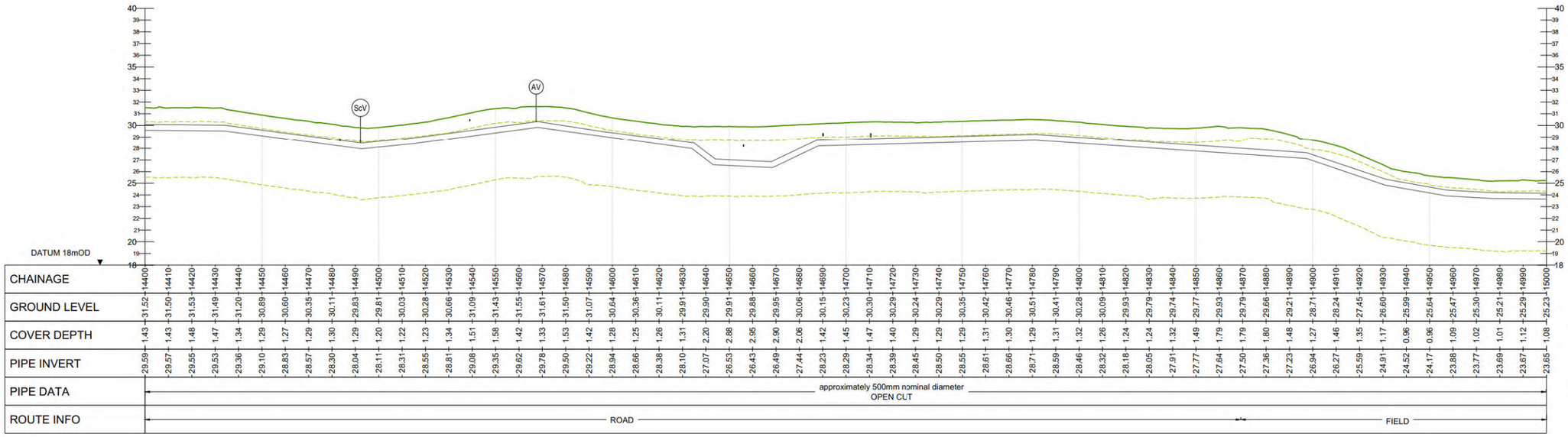
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1 PLAN
SCALE @ A1: 1:1000



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

OSI Sheet No's:
1387, 1318

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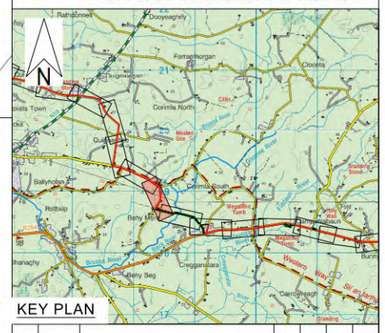
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
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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 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 C
PLAN & LONGITUDINAL SECTION
SHEET 26 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

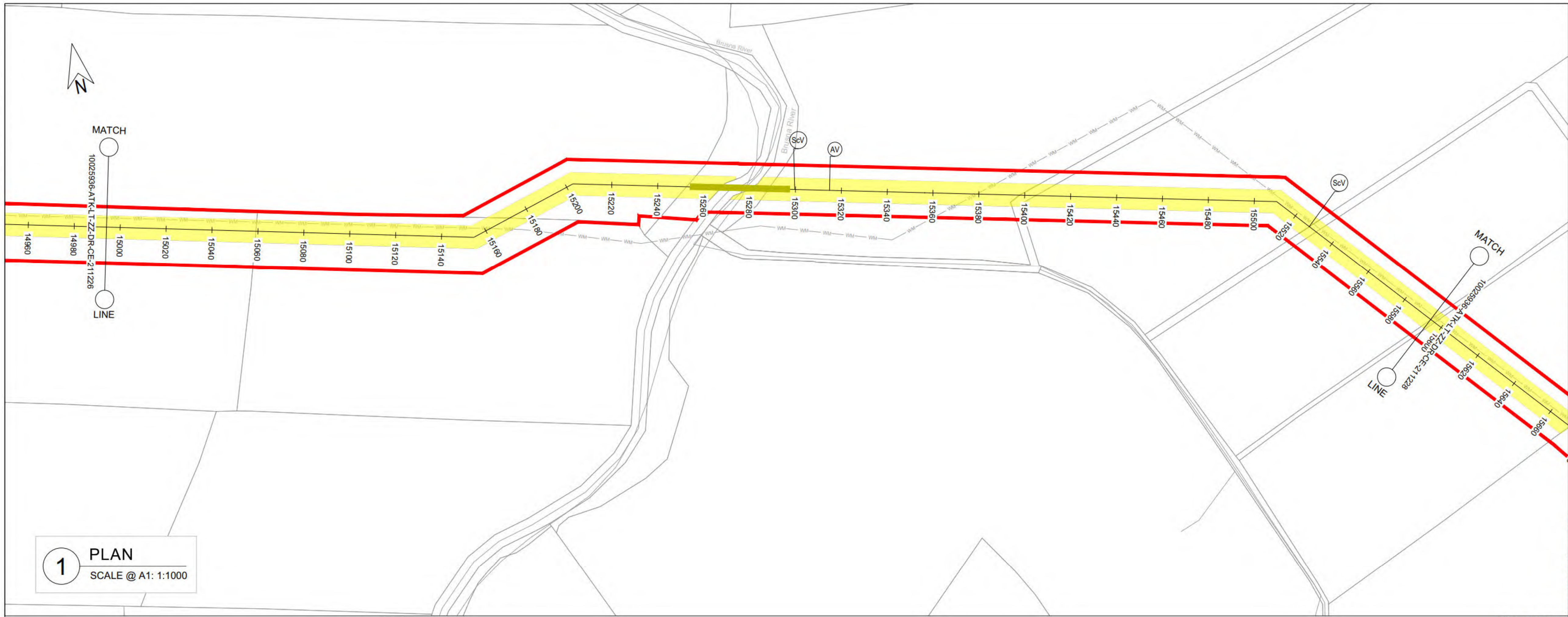
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211226
Revision: C01

Internal Project Number: 100089328

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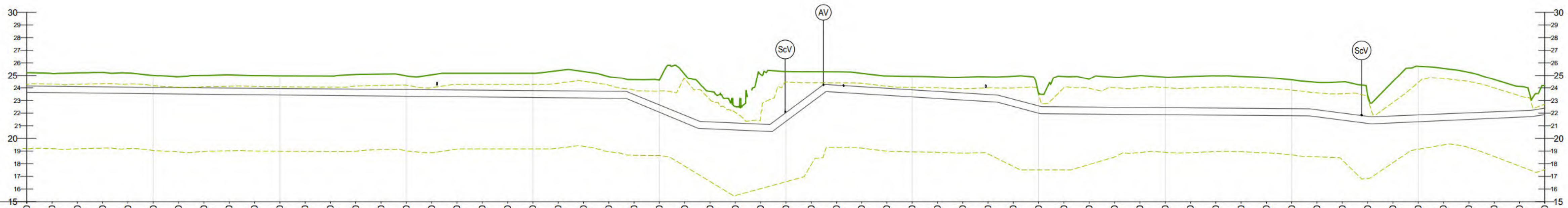
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1387.



CHAINAGE	15000	15010	15020	15030	15040	15050	15060	15070	15080	15090	15100
GROUND LEVEL	25.23	25.16	25.21	25.24	25.20	25.01	24.91	25.00	25.05	25.00	24.98
COVER DEPTH	1.08	1.04	1.11	1.16	1.14	0.97	0.89	1.00	1.07	1.03	1.02
PIPE INVERT	23.65	23.63	23.60	23.58	23.56	23.54	23.52	23.50	23.48	23.46	23.44

CHAINAGE	15110	15120	15130	15140	15150	15160	15170	15180	15190	15200	15210
GROUND LEVEL	24.97	24.96	25.08	25.12	24.97	25.06	25.18	25.18	25.18	25.18	25.39
COVER DEPTH	1.03	1.04	1.18	1.23	1.10	1.20	1.34	1.36	1.37	1.39	1.62
PIPE INVERT	23.42	23.40	23.38	23.36	23.34	23.32	23.30	23.28	23.26	23.24	23.22

CHAINAGE	15220	15230	15240	15250	15260	15270	15280	15290	15300	15310	15320
GROUND LEVEL	25.32	24.91	24.66	24.63	25.09	23.72	22.53	25.09	25.32	25.30	25.29
COVER DEPTH	1.56	1.17	1.19	1.98	3.26	2.41	1.31	3.95	3.28	1.77	1.08
PIPE INVERT	23.20	23.18	22.91	22.07	21.24	20.75	20.67	20.58	21.35	22.84	23.66

CHAINAGE	15330	15340	15350	15360	15370	15380	15390	15400	15410	15420	15430
GROUND LEVEL	25.17	24.96	24.93	24.88	24.86	24.89	24.94	23.53	24.92	24.70	24.86
COVER DEPTH	1.08	1.00	1.08	1.16	1.26	1.41	1.84	0.96	2.42	2.22	2.39
PIPE INVERT	23.53	23.41	23.29	23.17	23.04	22.92	22.53	21.99	21.94	21.92	21.91

CHAINAGE	15440	15450	15460	15470	15480	15490	15500	15510	15520	15530	15540
GROUND LEVEL	24.99	24.87	24.93	24.98	24.92	24.82	24.64	24.44	24.48	23.43	24.51
COVER DEPTH	2.54	2.43	2.51	2.57	2.53	2.45	2.29	2.17	2.47	1.68	2.72
PIPE INVERT	21.89	21.88	21.86	21.84	21.83	21.81	21.79	21.70	21.45	21.19	21.23

CHAINAGE	15550	15560	15570	15580	15590	15600
GROUND LEVEL	25.73	25.56	25.25	24.67	24.12	24.19
COVER DEPTH	3.86	3.61	3.23	2.57	1.93	1.79
PIPE INVERT	21.32	21.41	21.50	21.59	21.68	21.88

PIPE DATA	15000–15080	15080–15260	15260–15310	15310–15600
	approximately 500mm nominal diameter OPEN CUT	approximately 560mm nominal diameter (TRENCHLESS)	approximately 560mm (DIRECTIONAL DRILLING)	approximately 500mm nominal diameter OPEN CUT

ROUTE INFO	15000–15600
	FIELD

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 C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — WM — EXISTING WATERMAIN
- FW — 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 — TU — EXISTING AURORA TELECOM
- 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)



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 C
PLAN & LONGITUDINAL SECTION
SHEET 27 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-211227
Revision: C01

Internal Project Number: 100089328

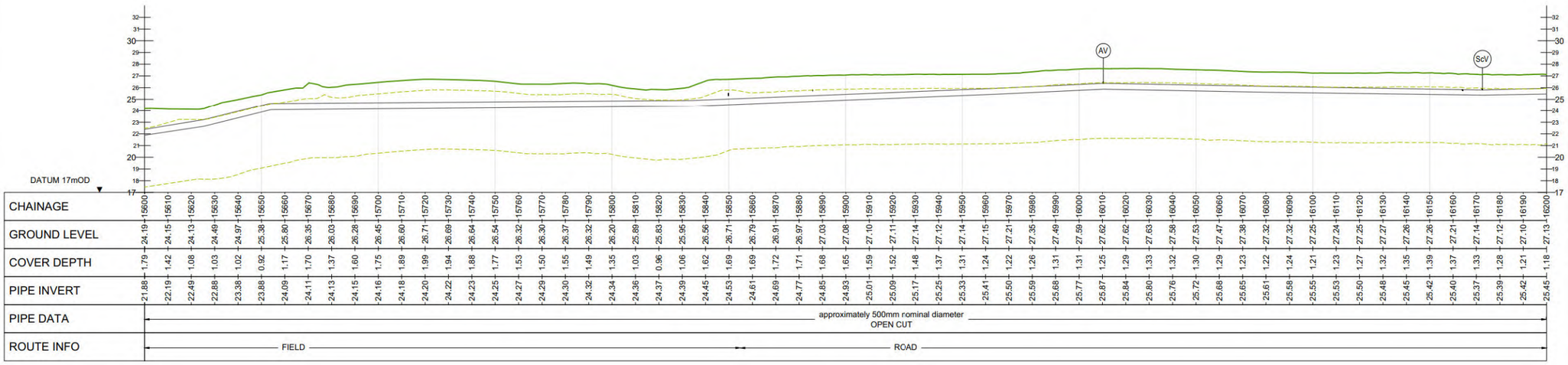
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1 PLAN
SCALE @ A1: 1:1000



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

OSI Sheet No's:
1387.

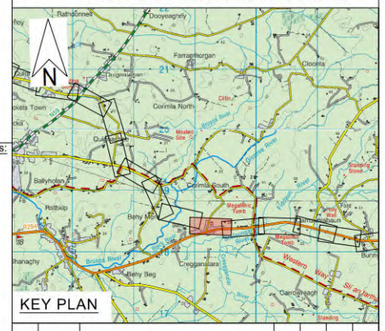
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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)



Rev.	Date	Description	By	Chk'd	Rev'd	Appr'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 C PLAN & LONGITUDINAL SECTION SHEET 28 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-211228
Revision: C01

Internal Project Number: 100089328

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1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

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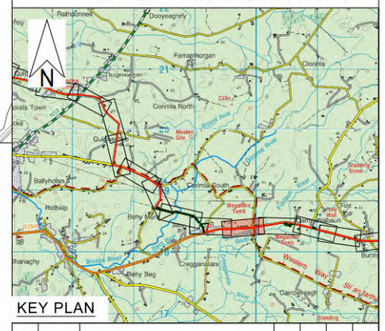
LEGEND:

PLAN

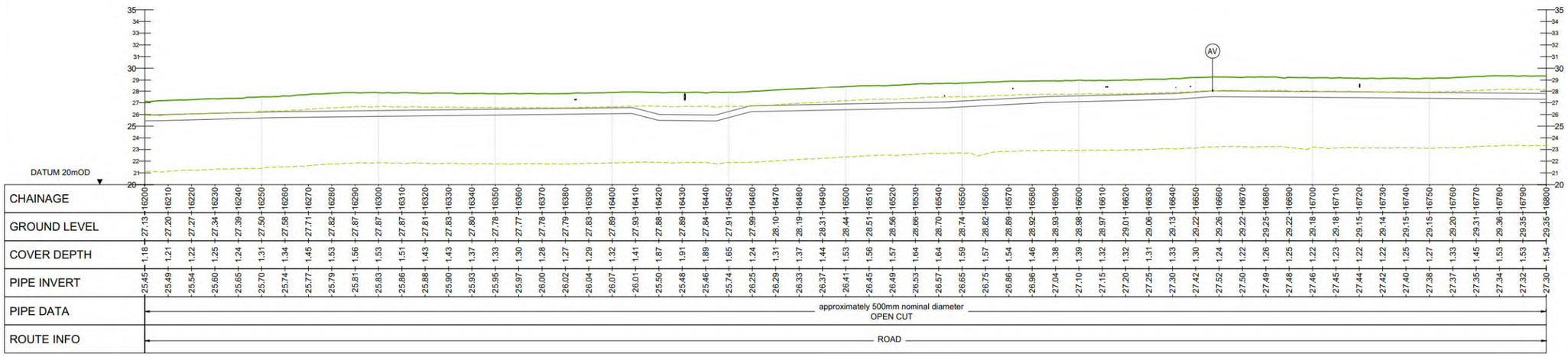
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
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- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
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- EXISTING BT
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- SdV 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



2 LONGITUDINAL SECTION

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

Rev.	Date	Description	By	Chk'd	Rev'd	Appr'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 C PLAN & LONGITUDINAL SECTION SHEET 29 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-211229

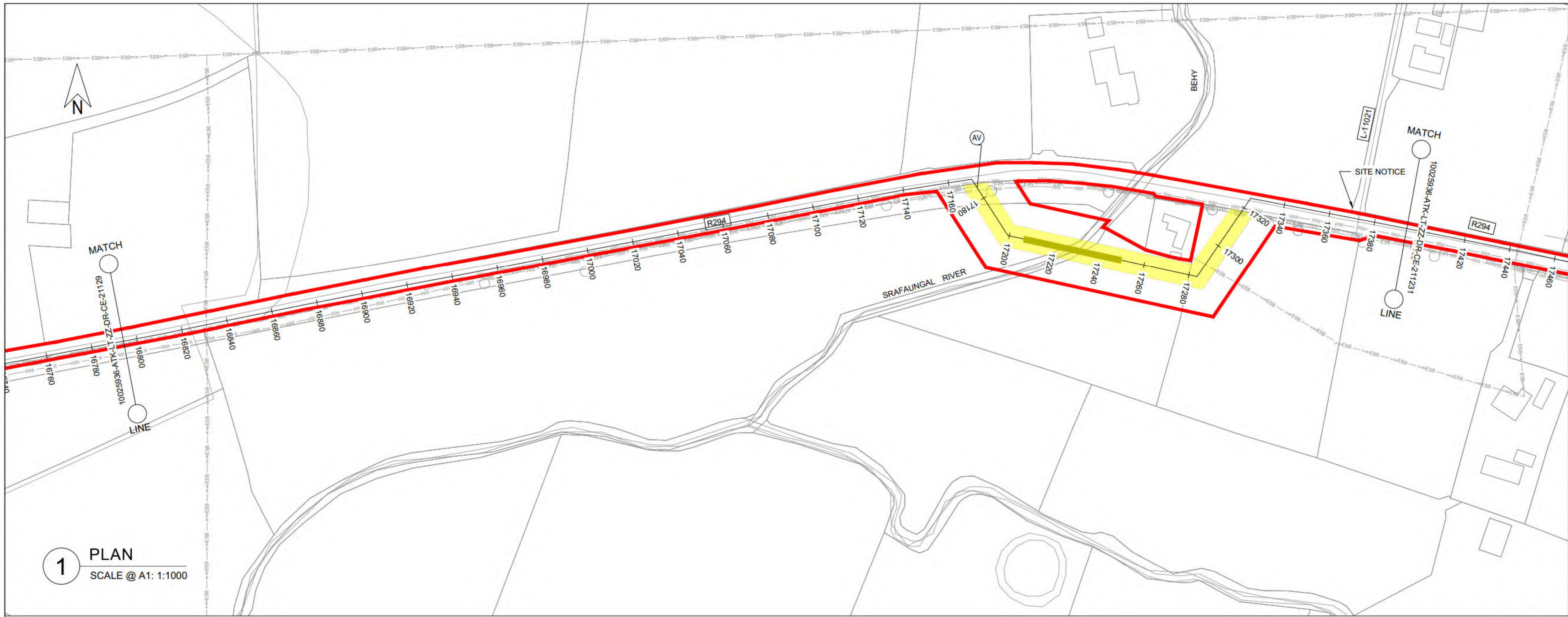
Revision: C01

Internal Project Number: 100089328

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SCALE @ A1: 1:1000

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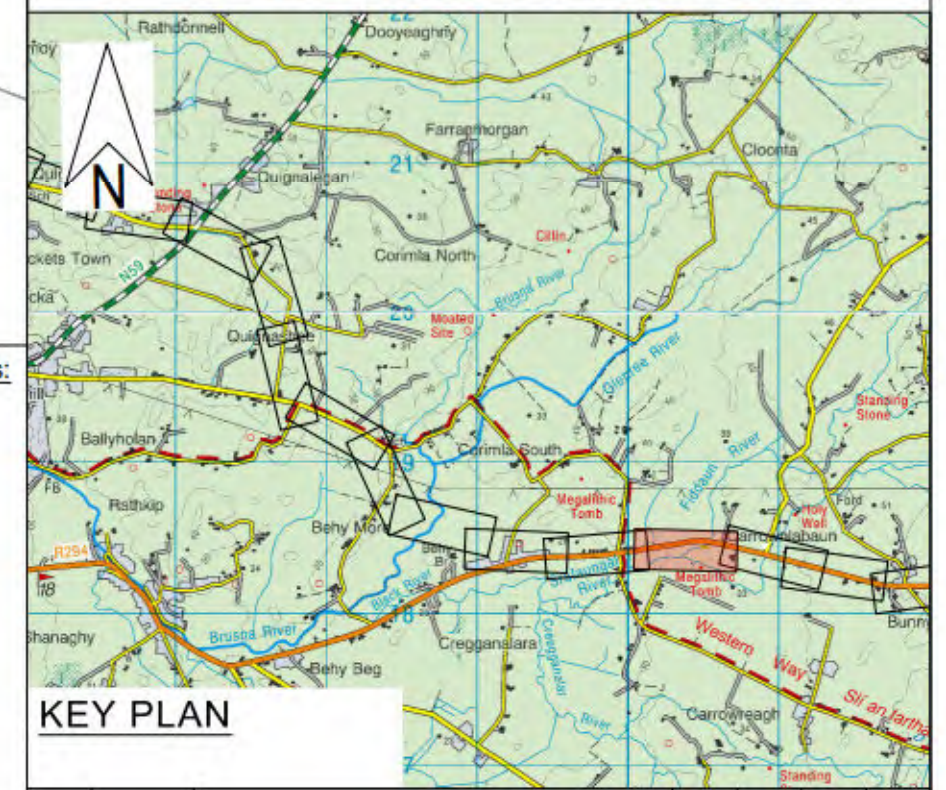
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE C
- INDICATIVE PROPOSED WAYLEAVE
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- (AV) PROPOSED AIR VALVE
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LONGITUDINAL SECTION

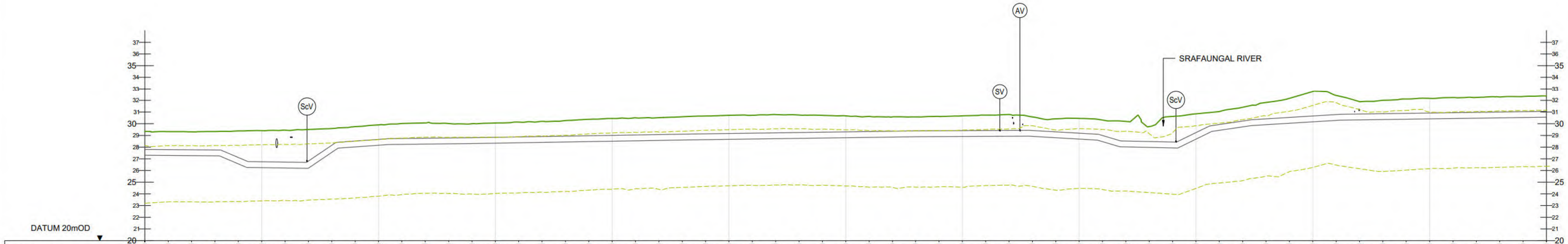
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1387.



CHAINAGE	16800	16810	16820	16830	16840	16850	16860	16870	16880	16890	16900	16910	16920	16930	16940	16950
GROUND LEVEL	29.35	29.33	29.31	29.34	29.38	29.41	29.46	29.51	29.59	29.76	29.90	30.02	30.07	30.02	30.00	30.07
COVER DEPTH	1.54	1.54	1.53	1.58	2.27	2.66	2.74	2.70	1.43	1.24	1.24	1.28	1.31	1.24	1.20	1.23
PIPE INVERT	27.30	27.29	27.27	27.26	26.57	26.25	26.22	26.20	27.56	28.02	28.16	28.24	28.26	28.28	28.30	28.34

CHAINAGE	16960	16970	16980	16990	17000	17010	17020	17030	17040	17050	17060	17070	17080	17090	17100	17110
GROUND LEVEL	30.14	30.20	30.27	30.38	30.45	30.51	30.52	30.60	30.67	30.72	30.72	30.78	30.75	30.72	30.68	30.63
COVER DEPTH	1.27	1.30	1.34	1.41	1.45	1.47	1.45	1.49	1.53	1.56	1.53	1.56	1.50	1.45	1.37	1.30
PIPE INVERT	28.37	28.40	28.44	28.47	28.50	28.54	28.57	28.60	28.64	28.66	28.69	28.72	28.75	28.78	28.80	28.83

CHAINAGE	17120	17130	17140	17150	17160	17170	17180	17190	17200	17210	17220	17230	17240	17250	17260	17270
GROUND LEVEL	30.59	30.59	30.63	30.67	30.74	30.79	30.58	30.42	30.46	30.32	30.20	29.76	30.62	30.85	31.05	31.41
COVER DEPTH	1.22	1.20	1.22	1.26	1.32	1.35	1.16	1.11	1.27	1.32	1.68	1.28	2.19	1.61	1.11	1.18
PIPE INVERT	28.86	28.89	28.90	28.91	28.92	28.93	28.92	28.81	28.69	28.47	28.02	27.98	27.94	28.69	29.44	29.74

CHAINAGE	17280	17290	17300	17310	17320	17330	17340	17350	17360	17370	17380	17390	17400
GROUND LEVEL	31.82	32.17	32.76	32.43	31.89	32.01	32.12	32.17	32.25	32.25	32.30	32.33	32.38
COVER DEPTH	1.40	1.63	2.10	1.64	1.06	1.15	1.23	1.26	1.30	1.27	1.29	1.30	1.32
PIPE INVERT	29.92	30.04	30.16	30.28	30.33	30.36	30.39	30.42	30.45	30.48	30.51	30.53	30.56

PIPE DATA: approximately 500mm nominal diameter OPEN CUT (16800–17210) | approximately 500mm nominal diameter PIPE RAMMING (17210–17260) | approximately 500mm nominal diameter OPEN CUT (17260–17400)

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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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 C PLAN & LONGITUDINAL SECTION SHEET 30 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

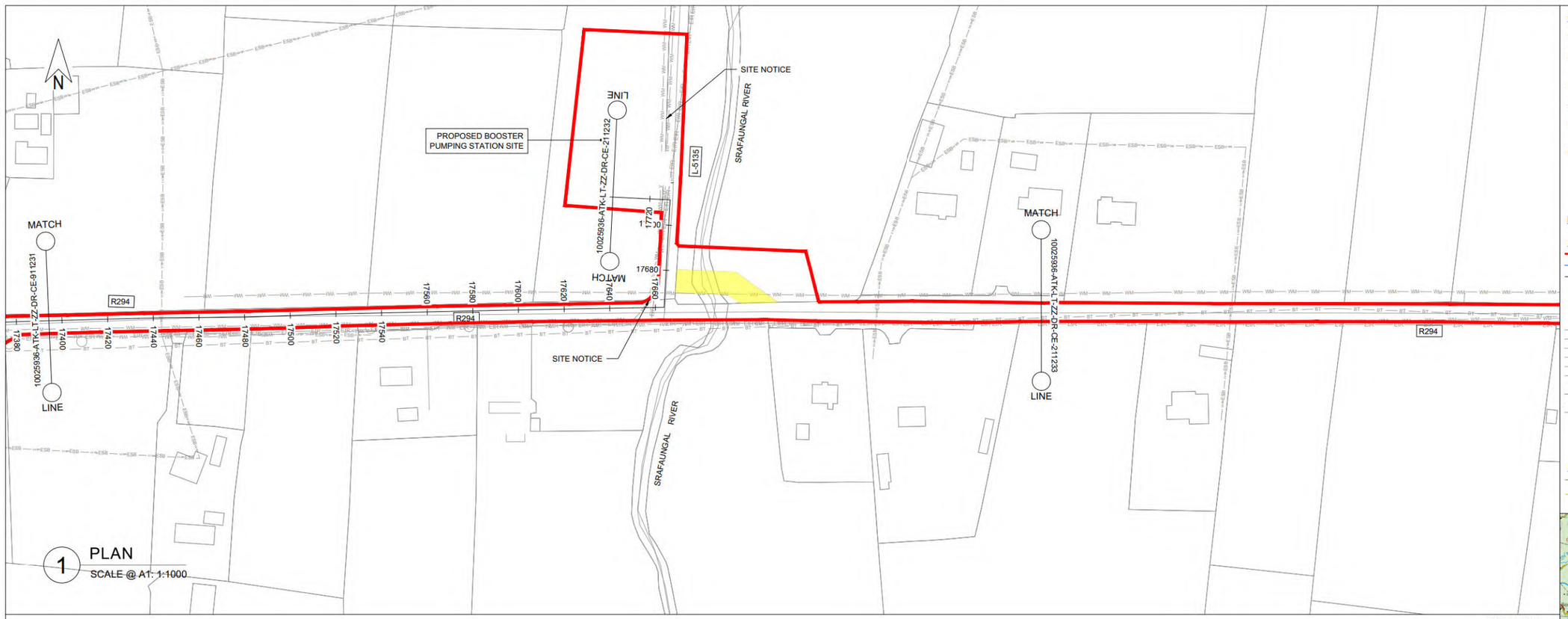
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211230 — Revision: C01

Internal Project Number: 100089328

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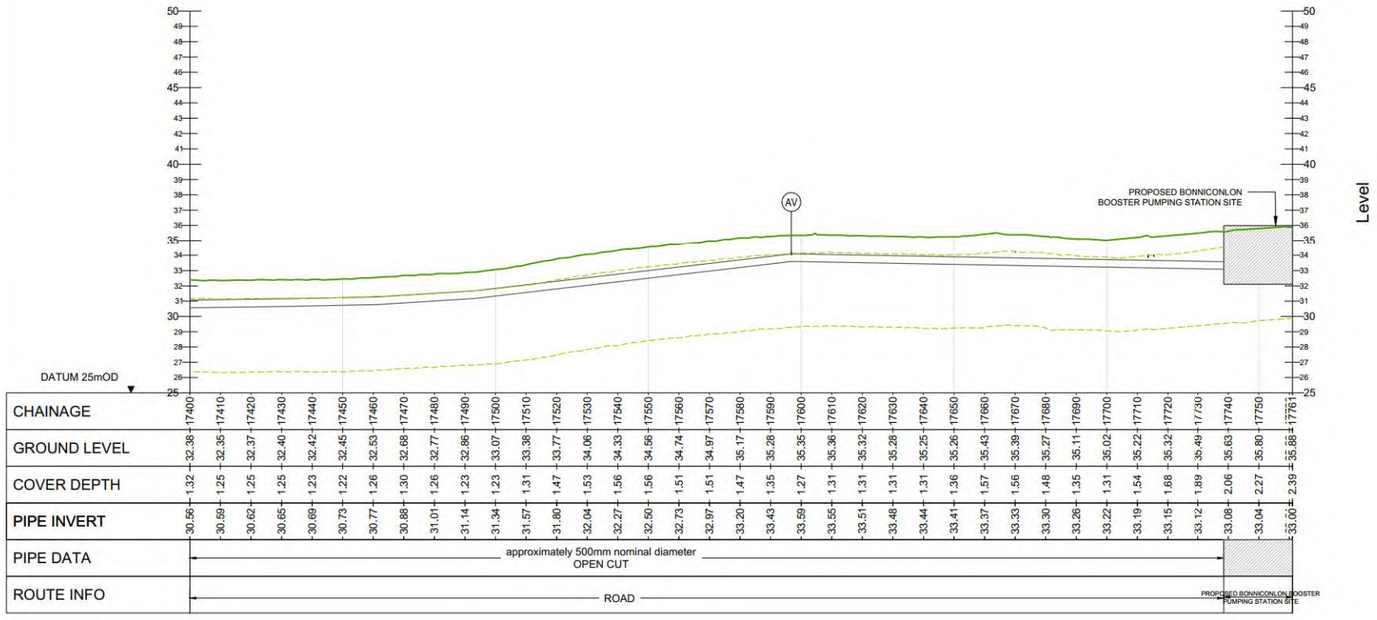
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1 PLAN

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2 LONGITUDINAL SECTION

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

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LEGEND:

PLAN

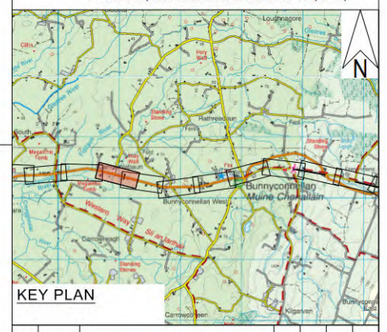
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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LONGITUDINAL SECTION

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- 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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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 C PLAN & LONGITUDINAL SECTION SHEET 31 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-211231

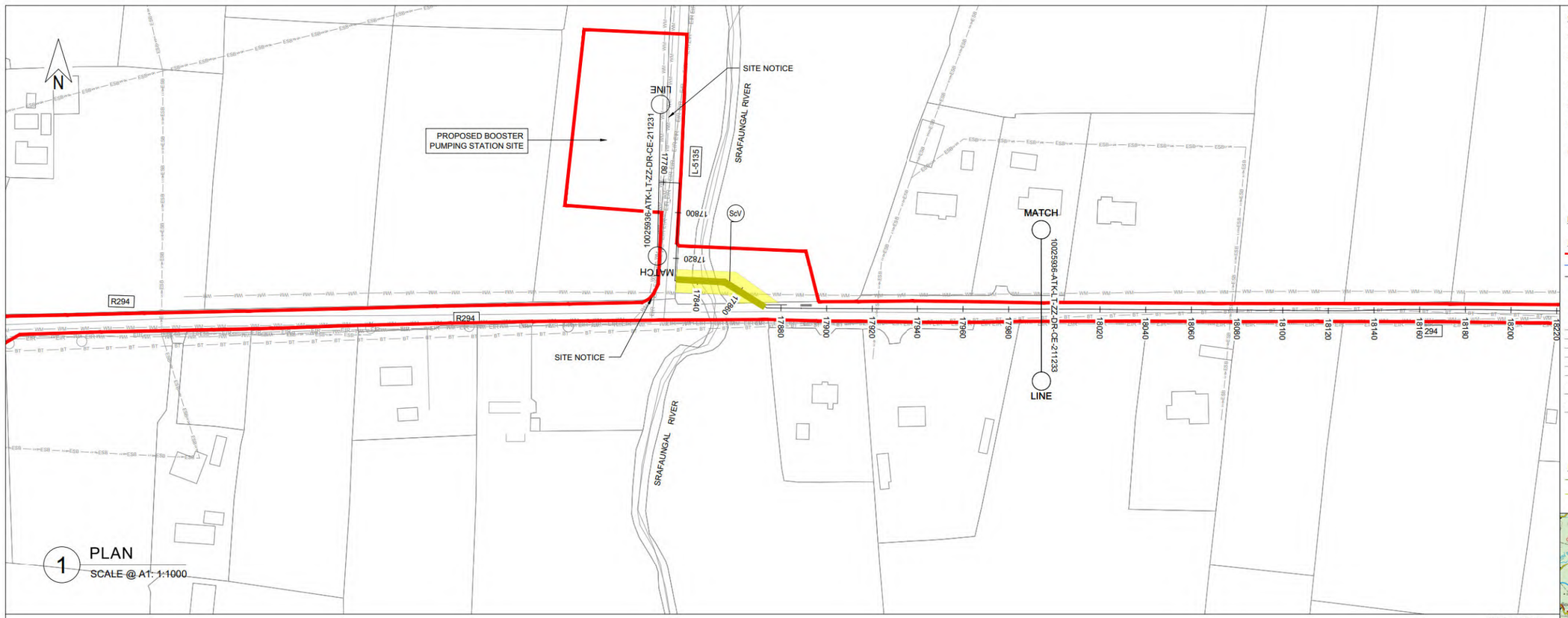
Revision: C01

Internal Project Number: 100089328

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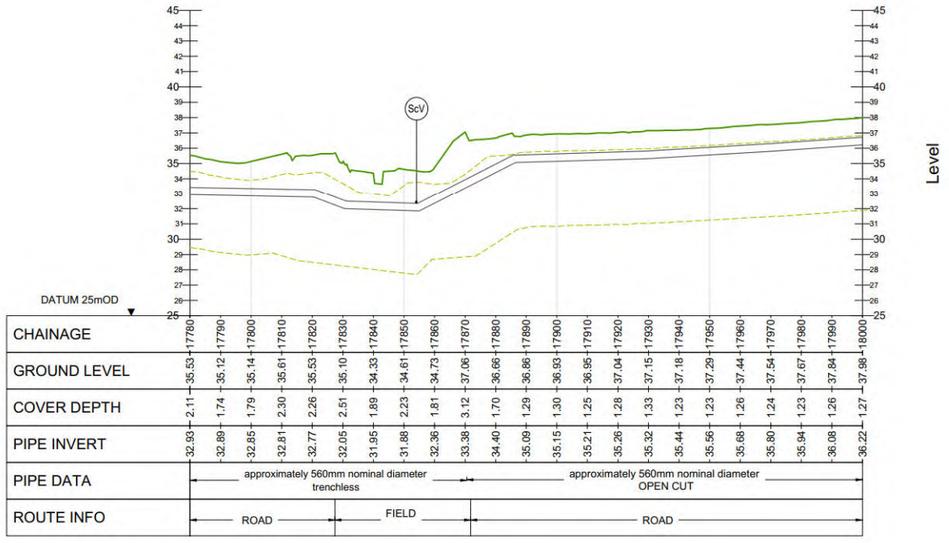
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1 PLAN

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

GENERAL NOTES

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

PLAN

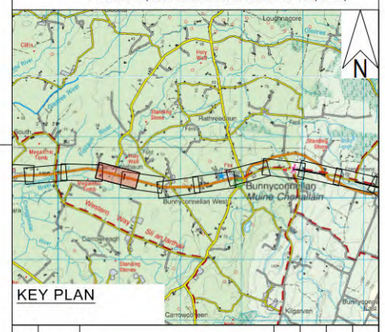
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB HV OVERHEAD
- 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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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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1 PLAN
SCALE @ A1: 1:1000

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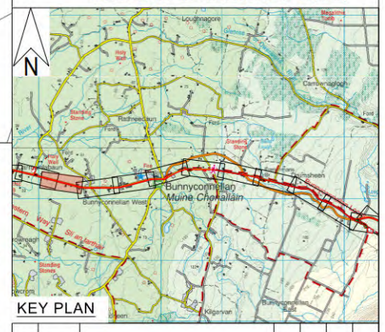
LEGEND:

PLAN

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

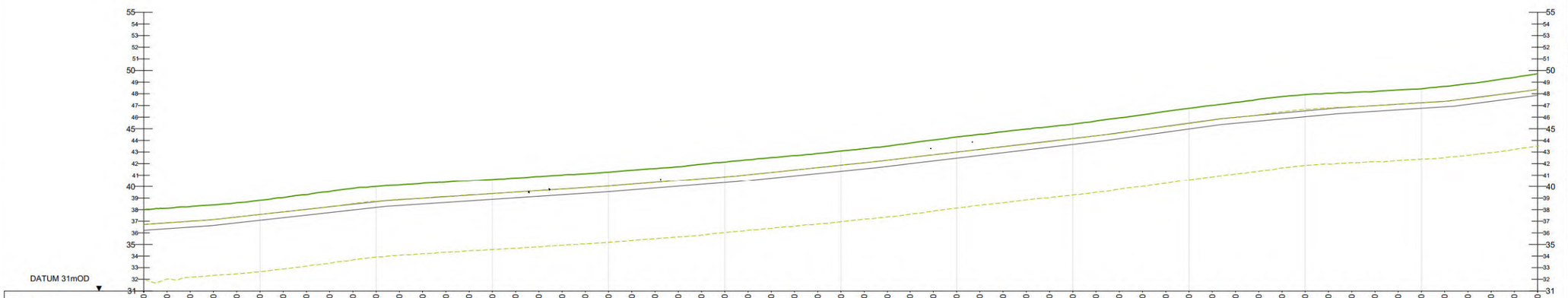
LONGITUDINAL SECTION

- 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

OSI Sheet No's:
1387



CHAINAGE	18000 18010 18020 18030 18040 18050 18060 18070 18080 18090 18100 18110 18120 18130 18140 18150 18160 18170 18180 18190 18200 18210 18220 18230 18240 18250 18260 18270 18280 18290 18300 18310 18320 18330 18340 18350 18360 18370 18380 18390 18400 18410 18420 18430 18440 18450 18460 18470 18480 18490 18500 18510 18520 18530 18540 18550 18560 18570 18580 18590 18600
GROUND LEVEL	37.98 38.12 38.26 38.41 38.60 38.80 39.04 39.29 39.56 39.83 40.01 40.13 40.28 40.38 40.50 40.62 40.75 40.88 41.01 41.12 41.27 41.43 41.57 41.73 41.95 42.13 42.33 42.52 42.69 42.88 43.09 43.29 43.51 43.77 44.04 44.30 44.52 44.75 44.97 45.17 45.39 45.67 45.93 46.19 46.49 46.76 47.01 47.27 47.53 47.76 47.93 48.04 48.12 48.20 48.33 48.44 48.63 48.87 49.12 49.41 49.72
COVER DEPTH	1.27 1.26 1.27 1.26 1.23 1.22 1.23 1.26 1.32 1.36 1.32 1.27 1.29 1.26 1.25 1.24 1.23 1.23 1.23 1.21 1.22 1.22 1.22 1.20 1.20 1.26 1.27 1.29 1.28 1.24 1.22 1.22 1.27 1.21 1.24 1.27 1.30 1.29 1.27 1.23 1.27 1.28 1.28 1.26 1.28 1.27 1.29 1.24 1.29 1.37 1.41 1.39 1.32 1.26 1.21 1.22 1.22 1.20 1.28 1.27 1.27 1.30 1.35
PIPE INVERT	36.22 36.36 36.49 36.64 36.86 37.08 37.30 37.52 37.74 37.96 38.18 38.36 38.49 38.62 38.75 38.88 39.02 39.15 39.28 39.41 39.55 39.71 39.87 40.03 40.19 40.35 40.54 40.74 40.94 41.14 41.34 41.54 41.76 42.00 42.24 42.47 42.71 42.95 43.18 43.42 43.65 43.89 44.15 44.43 44.71 44.98 45.26 45.48 45.66 45.85 46.03 46.22 46.37 46.50 46.63 46.75 46.88 47.09 47.35 47.61 47.87
PIPE DATA	approximately 560mm nominal diameter OPEN CUT
ROUTE INFO	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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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
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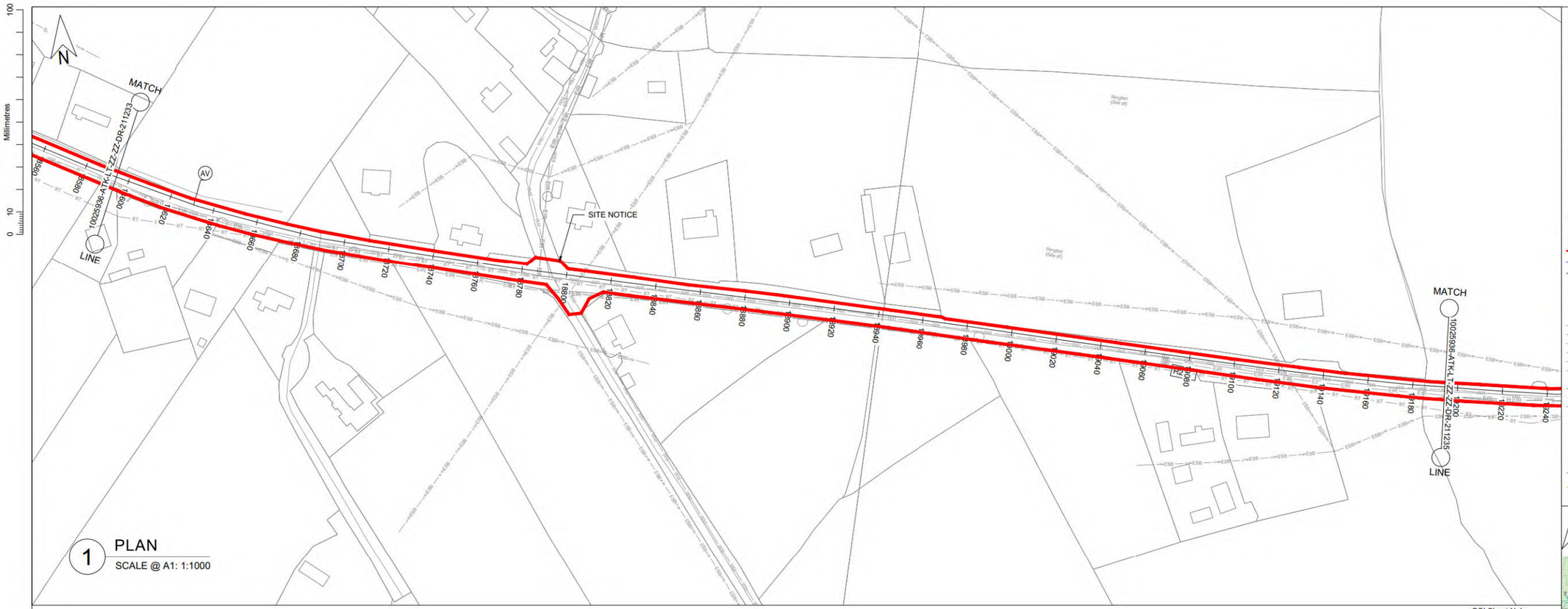
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211233
Revision: C01

Internal Project Number: 100089328

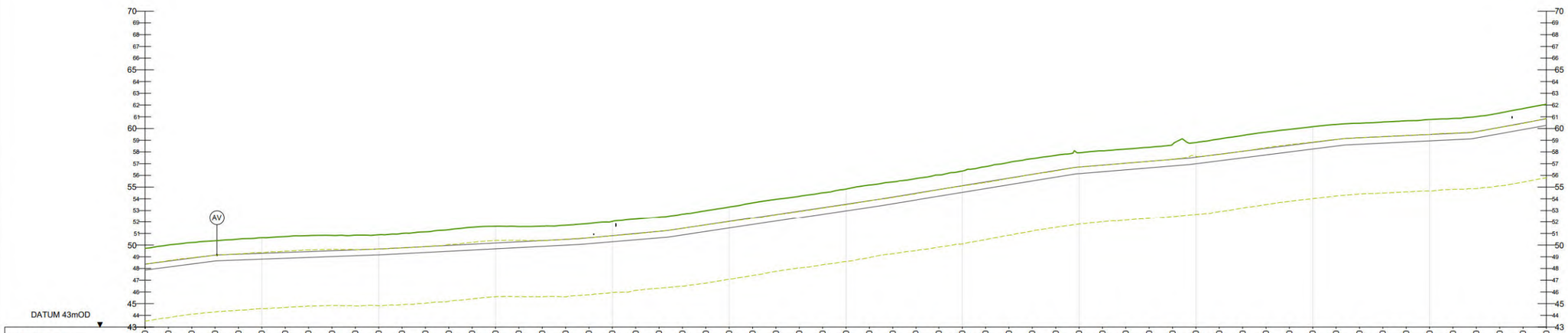
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1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	18600 18610 18620 18630 18640 18650 18660 18670 18680 18690 18700 18710 18720 18730 18740 18750 18760 18770 18780 18790 18800 18810 18820 18830 18840 18850 18860 18870 18880 18890 18900 18910 18920 18930 18940 18950 18960 18970 18980 18990 19000 19010 19020 19030 19040 19050 19060 19070 19080 19090 19100 19110 19120 19130 19140 19150 19160 19170 19180 19190 19200
GROUND LEVEL	49.72 50.01 50.22 50.37 50.51 50.64 50.73 50.81 50.83 50.85 50.89 51.00 51.13 51.32 51.53 51.61 51.59 51.62 51.70 51.85 52.04 52.24 52.43 52.68 52.98 53.30 53.65 53.95 54.21 54.51 54.83 55.18 55.44 55.73 56.03 56.37 56.74 57.11 57.43 57.71 57.93 58.09 58.24 58.40 58.64 58.80 59.11 59.41 59.69 59.92 60.15 60.34 60.45 60.55 60.65 60.77 60.86 61.01 61.32 61.70 62.07
COVER DEPTH	1.35 1.38 1.33 1.23 1.29 1.34 1.36 1.36 1.31 1.26 1.22 1.24 1.27 1.35 1.45 1.43 1.31 1.24 1.21 1.23 1.23 1.25 1.25 1.25 1.25 1.24 1.26 1.31 1.31 1.28 1.27 1.30 1.35 1.30 1.26 1.25 1.30 1.34 1.34 1.29 1.22 1.20 1.20 1.28 1.25 1.30 1.35 1.38 1.37 1.34 1.29 1.24 1.24 1.26 1.26 1.28 1.26 1.28 1.28 1.28 1.23 1.24 1.25
PIPE INVERT	47.87 48.13 48.38 48.84 48.73 48.80 48.87 48.95 49.02 49.09 49.16 49.26 49.37 49.47 49.58 49.68 49.78 49.89 49.99 50.12 50.29 50.45 50.62 50.87 51.17 51.47 51.78 52.07 52.37 52.67 52.97 53.27 53.58 53.90 54.23 54.55 54.88 55.20 55.53 55.85 56.15 56.31 56.48 56.64 56.80 56.99 57.24 57.49 57.74 58.00 58.25 58.50 58.65 58.75 58.85 58.94 59.04 59.19 59.55 59.91 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
- 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
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- 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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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 34 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

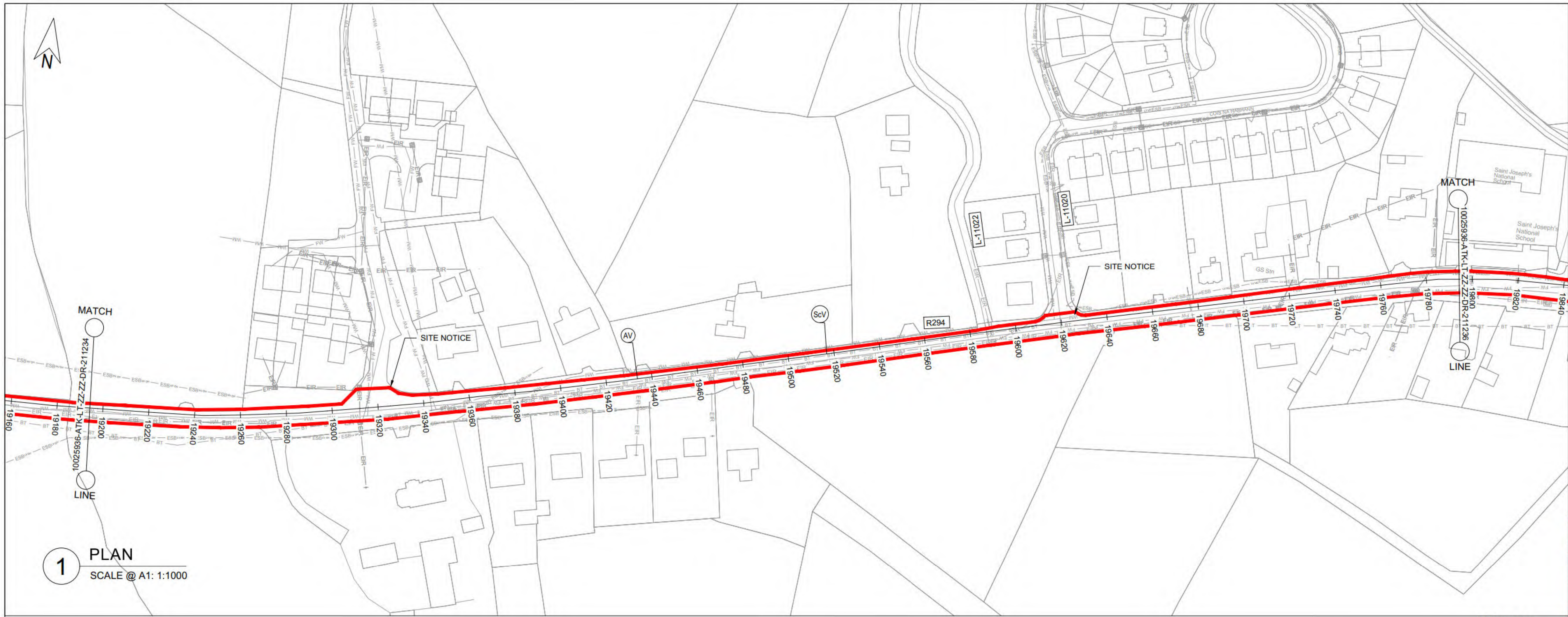
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211234
Revision: C01

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
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- FW — 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 — TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
- BT — BT — EXISTING BT
- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

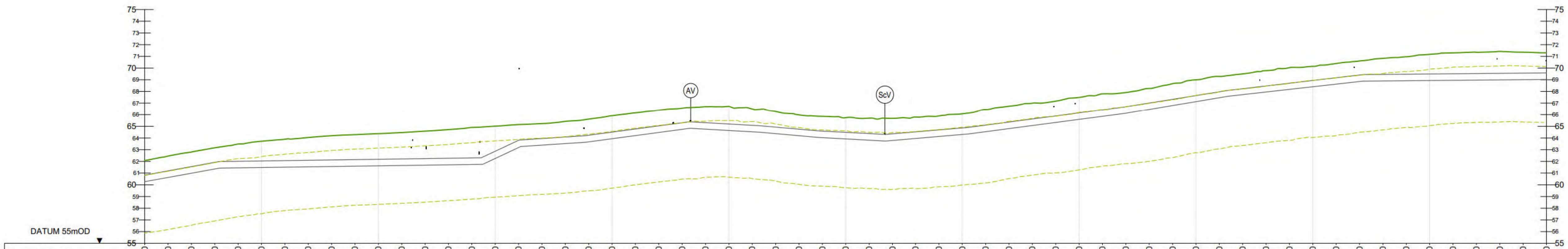
LONGITUDINAL SECTION

- 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:
1388.



KEY PLAN



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
19200	62.07	1.25	60.27
19210	62.45	1.26	60.63
19220	62.80	1.25	60.99
19230	63.16	1.24	61.35
19240	63.48	1.47	61.45
19250	63.72	1.68	61.48
19260	63.89	1.83	61.51
19270	64.04	1.95	61.53
19280	64.19	2.07	61.56
19290	64.28	2.13	61.59
19300	64.37	2.19	61.62
19310	64.46	2.25	61.65
19320	64.58	2.35	61.68
19330	64.72	2.45	61.70
19340	64.90	2.61	61.73
19350	65.01	2.14	62.25
19360	65.15	1.35	63.18
19370	65.23	1.28	63.39
19380	65.42	1.34	63.52
19390	65.62	1.38	63.67
19400	65.91	1.41	63.94
19410	66.15	1.38	64.20
19420	66.39	1.35	64.47
19430	66.56	1.26	64.74
19440	66.69	1.38	64.75
19450	66.72	1.52	64.64
19460	66.50	1.41	64.53
19470	66.27	1.34	64.37
19480	65.98	1.22	64.20
19490	65.85	1.26	64.03
19500	65.74	1.25	63.92
19510	65.70	1.32	63.82
19520	65.68	1.32	63.79
19530	65.79	1.27	63.96
19540	65.89	1.20	64.13
19550	66.07	1.21	64.30
19560	66.45	1.35	64.54
19570	66.73	1.37	64.80
19580	67.00	1.37	65.07
19590	67.17	1.28	65.33
19600	67.49	1.33	65.59
19610	67.80	1.38	65.86
19620	67.91	1.22	66.12
19630	68.26	1.25	66.46
19640	68.66	1.34	66.79
19650	69.00	1.35	67.13
19660	69.29	1.32	67.46
19670	69.50	1.27	67.73
19680	69.78	1.31	67.95
19690	70.04	1.33	68.18
19700	70.15	1.21	68.40
19710	70.39	1.22	68.62
19720	70.61	1.20	68.85
19730	70.83	1.37	68.90
19740	70.97	1.49	68.92
19750	71.17	1.68	68.93
19760	71.30	1.79	68.95
19770	71.35	1.82	68.97
19780	71.42	1.87	68.99
19790	71.36	1.79	69.01
19800	71.30	1.71	69.03

PIPE DATA: approximately 560mm nominal diameter OPEN CUT

ROUTE INFO: 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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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 35 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-211235
Revision: C01

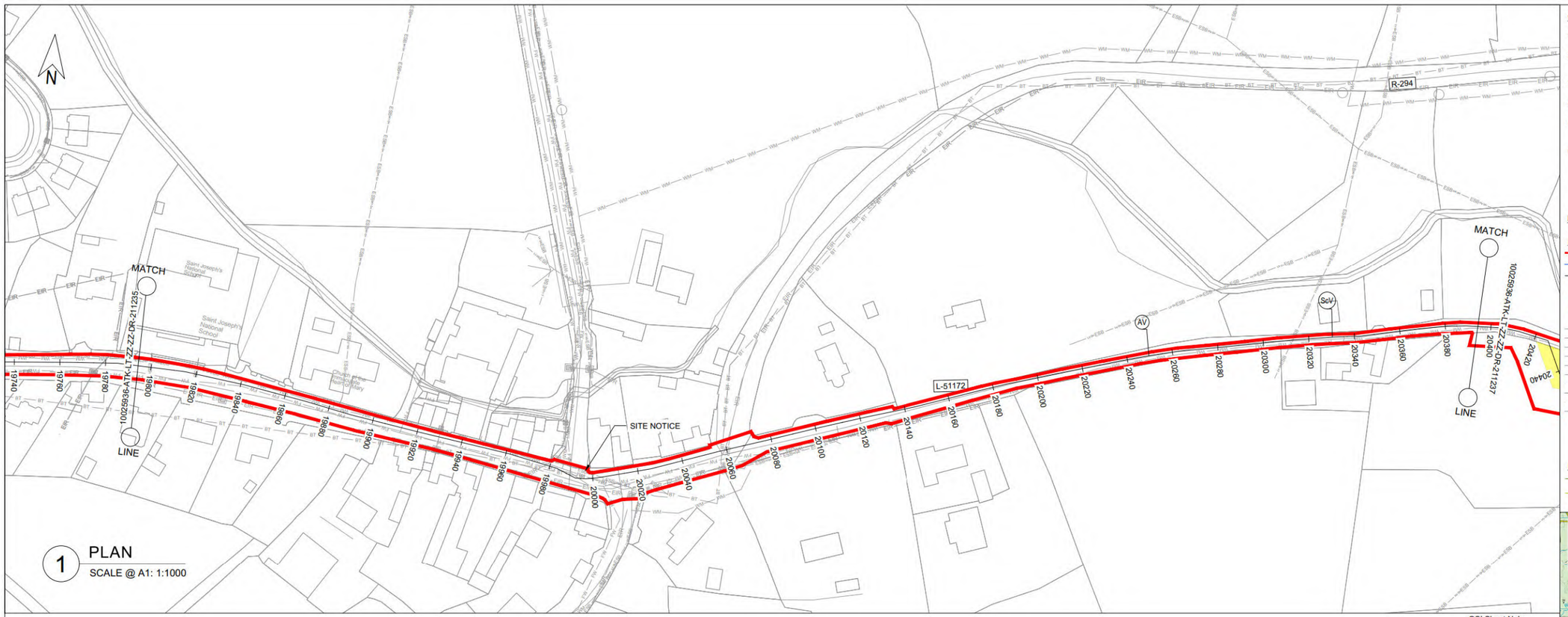
Internal Project Number: 100089328

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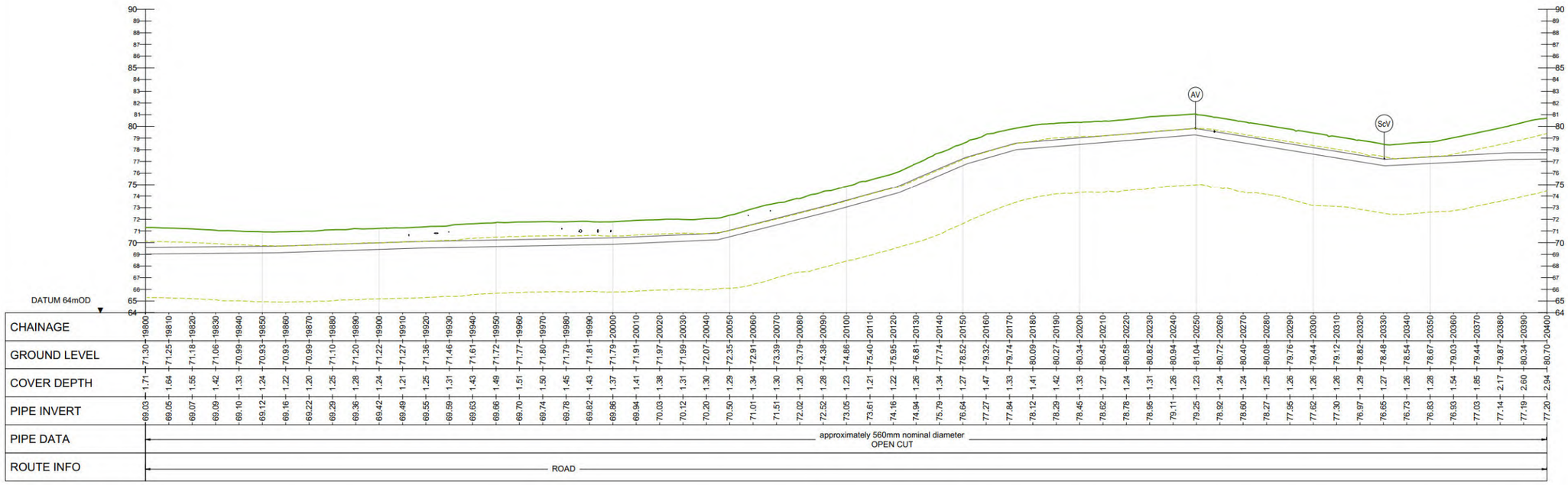
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1 PLAN
SCALE @ A1: 1:1000



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

OSI Sheet No's:
1388.

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
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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 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: A1	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26	Date: 31.08.26

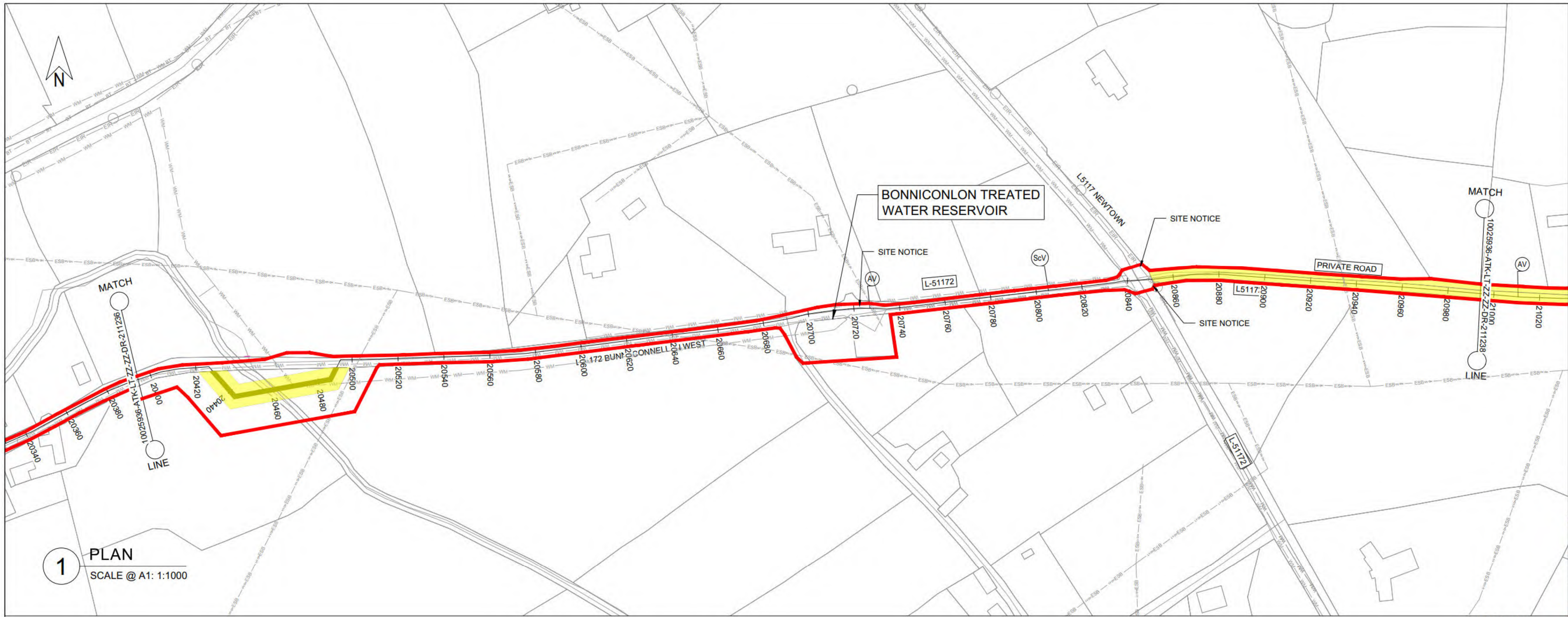
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211236
Revision: C01

Internal Project Number: 100089328

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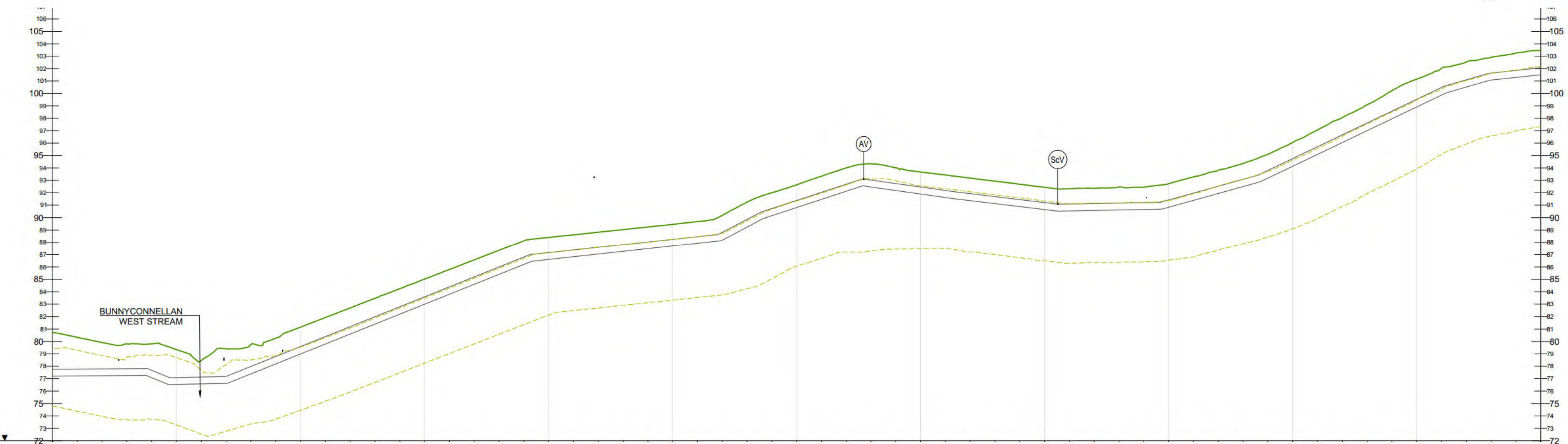


1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1388.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
20400	80.70	2.94	77.20
20410	80.33	2.55	77.22
20420	79.91	2.12	77.24
20430	79.80	2.00	77.25
20440	79.80	2.13	77.08
20450	79.34	2.25	76.54
20460	78.46	1.32	76.58
20470	79.41	2.23	76.62
20480	79.74	1.75	77.39
20490	80.25	1.46	78.19
20500	81.15	1.57	78.99
20510	81.92	1.53	79.79
20520	82.70	1.51	80.60
20530	83.47	1.48	81.40
20540	84.24	1.45	82.20
20550	85.02	1.43	83.00
20560	85.79	1.40	83.80
20570	86.57	1.37	84.60
20580	87.35	1.35	85.40
20590	88.12	1.32	86.20
20600	88.40	1.23	86.61
20610	88.61	1.23	86.83
20620	88.82	1.23	87.05
20630	89.03	1.22	87.27
20640	89.24	1.22	87.49
20650	89.45	1.21	87.71
20660	89.68	1.22	87.93
20670	90.19	1.37	88.18
20680	91.25	1.39	89.24
20690	92.01	1.27	90.15
20700	92.65	1.26	90.81
20710	93.34	1.30	91.47
20720	94.01	1.31	92.13
20730	94.33	1.30	92.47
20740	94.01	1.27	92.18
20750	93.68	1.21	91.90
20760	93.43	1.25	91.62
20770	93.18	1.26	91.36
20780	92.94	1.25	91.13
20790	92.69	1.24	90.89
20800	92.44	1.23	90.65
20810	92.32	1.22	90.54
20820	92.35	1.22	90.58
20830	92.47	1.31	90.62
20840	92.45	1.25	90.66
20850	92.73	1.31	90.83
20860	93.28	1.31	91.39
20870	93.81	1.29	91.94
20880	94.37	1.29	92.50
20890	95.10	1.30	93.18
20900	96.05	1.30	94.13
20910	97.06	1.35	95.09
20920	98.06	1.39	96.04
20930	99.08	1.47	97.00
20940	100.22	1.65	97.96
20950	101.16	1.63	98.91
20960	102.04	1.55	99.87
20970	102.54	1.44	100.52
20980	102.91	1.27	101.08
20990	103.25	1.40	101.29
21000	103.48	1.41	101.50

PIPE DATA: approximately 560mm nominal diameter OPEN CUT (20400–20440); approximately 560mm nominal diameter TRENCHLESS (20440–20490); approximately 560mm nominal diameter OPEN CUT (20490–21000)

ROUTE INFO: ROAD (20400–20440); FIELD (20440–20500); ROAD (20500–21000)

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
- WM — EXISTING WATERMAIN
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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 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

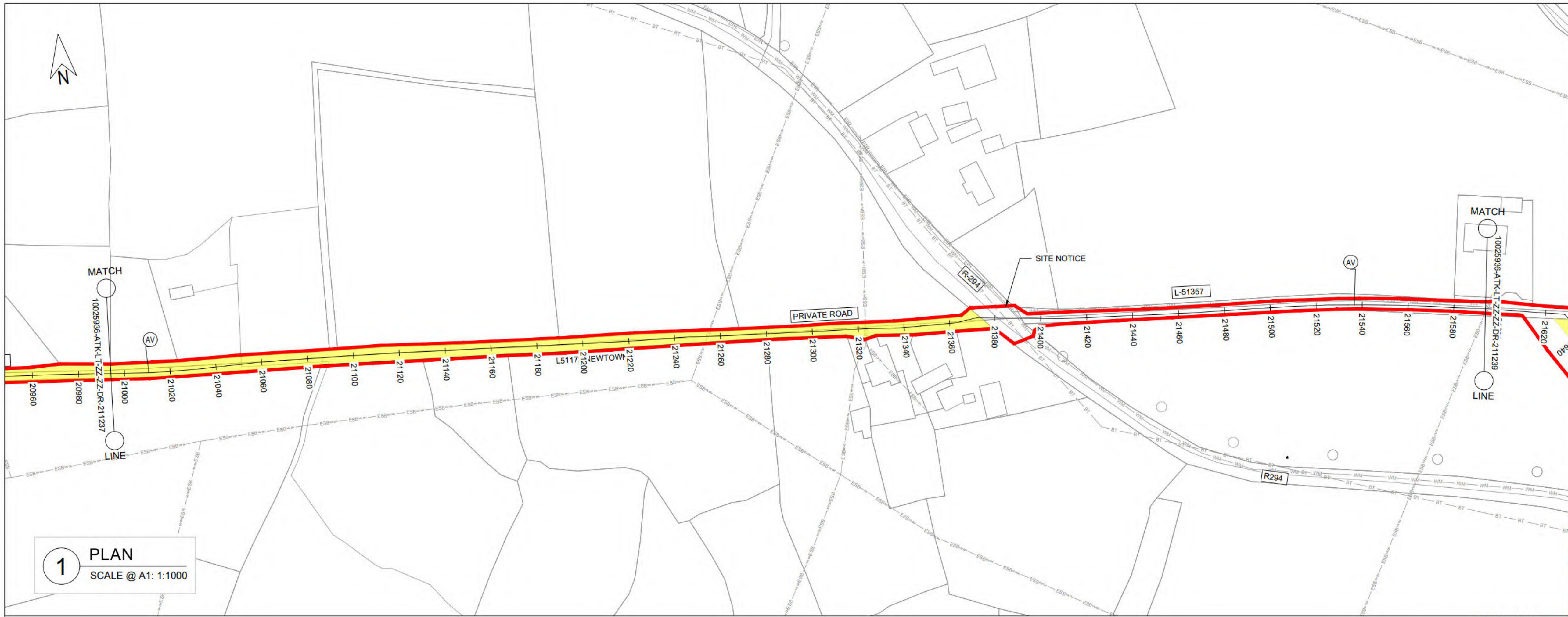
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211237 — Revision: C01

Internal Project Number: 100089328

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1 PLAN

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- BT — EXISTING BT
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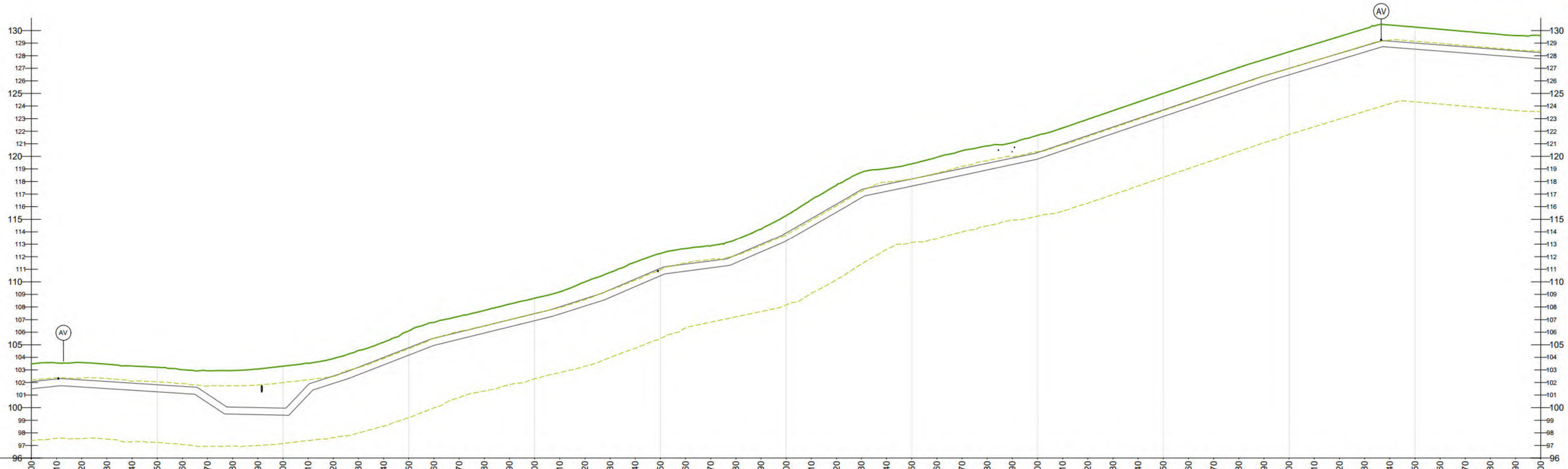
LONGITUDINAL SECTION

- 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	21000	21010	21020	21030	21040	21050	21060	21070	21080	21090	21100	21110	21120	21130	21140
GROUND LEVEL	103.48	103.56	103.58	103.45	103.31	103.21	103.02	102.94	102.95	103.07	103.30	103.54	103.90	104.55	105.21
COVER DEPTH	1.41	1.28	1.38	1.38	1.36	1.39	1.32	1.86	2.91	3.06	3.34	1.72	1.38	1.33	1.21
PIPE INVERT	101.50	101.72	101.65	101.52	101.39	101.26	101.14	100.40	99.49	99.45	99.40	101.01	101.93	102.62	103.40

CHAINAGE	21150	21160	21170	21180	21190	21200	21210	21220	21230	21240	21250	21260	21270	21280	21290
GROUND LEVEL	106.11	106.78	107.26	107.73	108.23	108.71	109.20	109.99	110.74	111.57	112.26	112.64	112.86	113.37	114.21
COVER DEPTH	1.34	1.26	1.25	1.23	1.24	1.24	1.19	1.33	1.37	1.34	1.18	1.23	1.19	1.23	1.22
PIPE INVERT	104.17	104.95	105.44	105.93	106.42	106.91	107.45	108.08	108.77	109.63	110.49	110.85	111.12	111.53	112.39

CHAINAGE	21300	21310	21320	21330	21340	21350	21360	21370	21380	21390	21400	21410	21420	21430	21440
GROUND LEVEL	115.29	116.56	117.72	118.72	119.03	119.40	119.93	120.45	120.83	121.09	121.67	122.26	122.95	123.63	124.32
COVER DEPTH	1.38	1.50	1.51	1.37	1.24	1.20	1.31	1.41	1.39	1.23	1.37	1.28	1.29	1.30	1.31
PIPE INVERT	113.27	114.41	115.56	116.71	117.22	117.63	118.06	118.49	118.92	119.35	11:.78	120.46	121.14	121.81	122.49

CHAINAGE	21450	21460	21470	21480	21490	21500	21510	21520	21530	21540	21550	21560	21570	21580	21590	21600
GROUND LEVEL	125.01	125.69	126.38	127.06	127.69	128.31	128.92	129.53	130.13	130.44	130.27	130.10	129.93	129.76	129.60	129.61
COVER DEPTH	1.32	1.33	1.33	1.33	1.30	1.32	1.33	1.34	1.36	1.28	1.27	1.25	1.23	1.21	1.20	1.37
PIPE INVERT	12:.17	123.84	124.52	125.20	125.88	12(.48	127.08	127.69	128.29	128.68	12(.52	128.37	128.21	128.06	127.90	12:.74

PIPE DATA	approximately 560mm nominal diameter OPEN CUT (21000–21370); approximately 500mm nominal diameter OPEN CUT (21370–21600)
ROUTE INFO	PRIVATE ROAD (21000–21380); PUBLIC ROAD (21380–21600)

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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1 PLAN

SCALE @ A1: 1:1000

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- RED LINE BOUNDARY
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- INDICATIVE PROPOSED WAYLEAVE
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- (AV) PROPOSED AIR VALVE
- (ScV) PROPOSED SCOUR VALVE

LONGITUDINAL SECTION

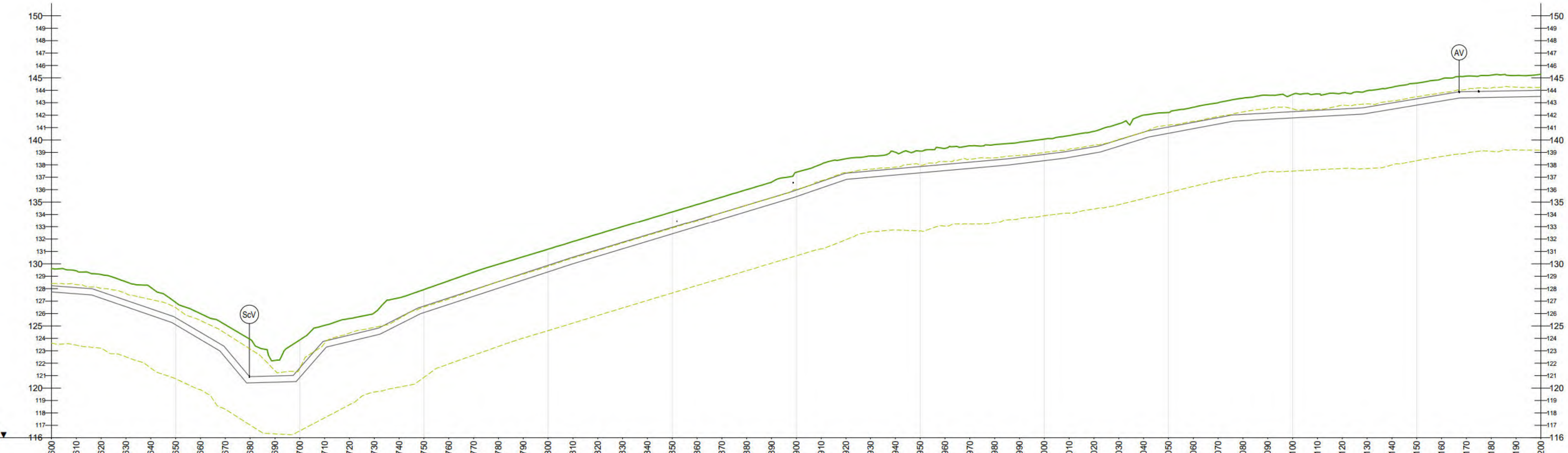
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1388.



CHAINAGE	21600	21610	21620	21630	21640	21650	21660	21670	21680	21690	21700	21710	21720	21730	21740
GROUND LEVEL	129.61	129.44	129.14	128.56	128.10	126.90	125.99	125.10	123.92	122.23	123.87	125.05	125.60	126.06	127.27
COVER DEPTH	1.37	1.35	1.39	1.49	1.71	1.23	1.50	1.86	3.00	1.25	2.25	1.27	1.34	1.31	1.60
PIPE INVERT	127.74	127.59	127.23	126.55	125.86	125.10	123.91	122.46	120.42	120.47	120.86	123.14	123.75	124.23	125.12

CHAINAGE	21750	21760	21770	21780	21790	21800	21810	21820	21830	21840	21850	21860	21870	21880	21890
GROUND LEVEL	127.93	128.64	129.34	129.97	130.58	131.18	131.79	132.40	133.01	133.60	134.20	134.80	135.40	136.00	136.61
COVER DEPTH	1.33	1.38	1.42	1.40	1.35	1.30	1.26	1.26	1.27	1.26	1.26	1.26	1.25	1.25	1.25
PIPE INVERT	126.08	126.74	127.39	128.05	128.70	129.36	130.01	130.61	131.22	131.82	132.42	133.02	133.63	134.23	134.83

CHAINAGE	21900	21910	21920	21930	21940	21950	21960	21970	21980	21990	22000	22010	22020	22030	22040
GROUND LEVEL	137.40	138.05	138.49	138.71	139.02	139.11	139.32	139.54	139.63	139.82	140.07	140.35	140.69	141.30	142.01
COVER DEPTH	1.43	1.40	1.17	1.21	1.34	1.25	1.29	1.33	1.24	1.22	1.23	1.25	1.25	1.29	1.37
PIPE INVERT	135.44	136.13	136.81	137.00	137.18	137.36	137.53	137.71	137.89	138.09	138.34	138.60	138.94	139.49	140.11

CHAINAGE	22050	22060	22070	22080	22090	22100	22110	22120	22130	22140	22150	22160	22170	22180	22190	22200
GROUND LEVEL	142.21	142.64	142.99	143.37	143.60	143.67	143.70	143.80	143.96	144.24	144.58	144.91	145.14	145.22	145.19	145.29
COVER DEPTH	1.17	1.22	1.19	1.31	1.43	1.39	1.32	1.30	1.31	1.26	1.26	1.26	1.25	1.29	1.22	1.29
PIPE INVERT	140.54	140.91	141.29	141.56	141.67	141.78	141.89	142.00	142.14	142.48	142.81	143.14	143.40	143.43	143.47	143.50

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

ROUTE INFO: PUBLIC ROAD | PRIVATE | PUBLIC ROAD | PRIVATE 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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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 39 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-211239 — Revision: C01

Internal Project Number: 100089328

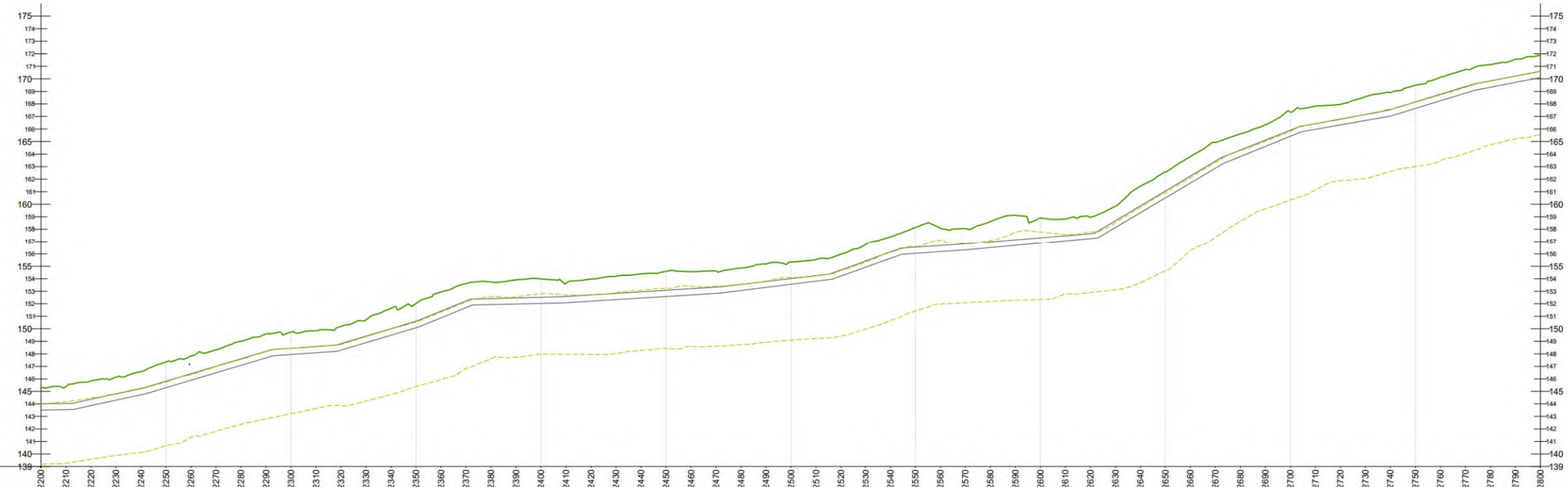
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1 PLAN
SCALE @ A1: 1:1000



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

OSI Sheet No's:
1388.

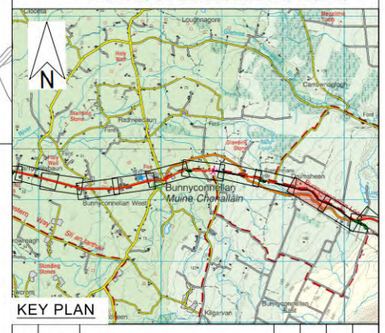
GENERAL NOTES

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
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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
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
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 40 OF 54

Scale	Drawn	Checked	Reviewed	Authorised
AS INDICATED	SB	ABM	MMcE	TM
Original Size	Date	Date	Date	Date
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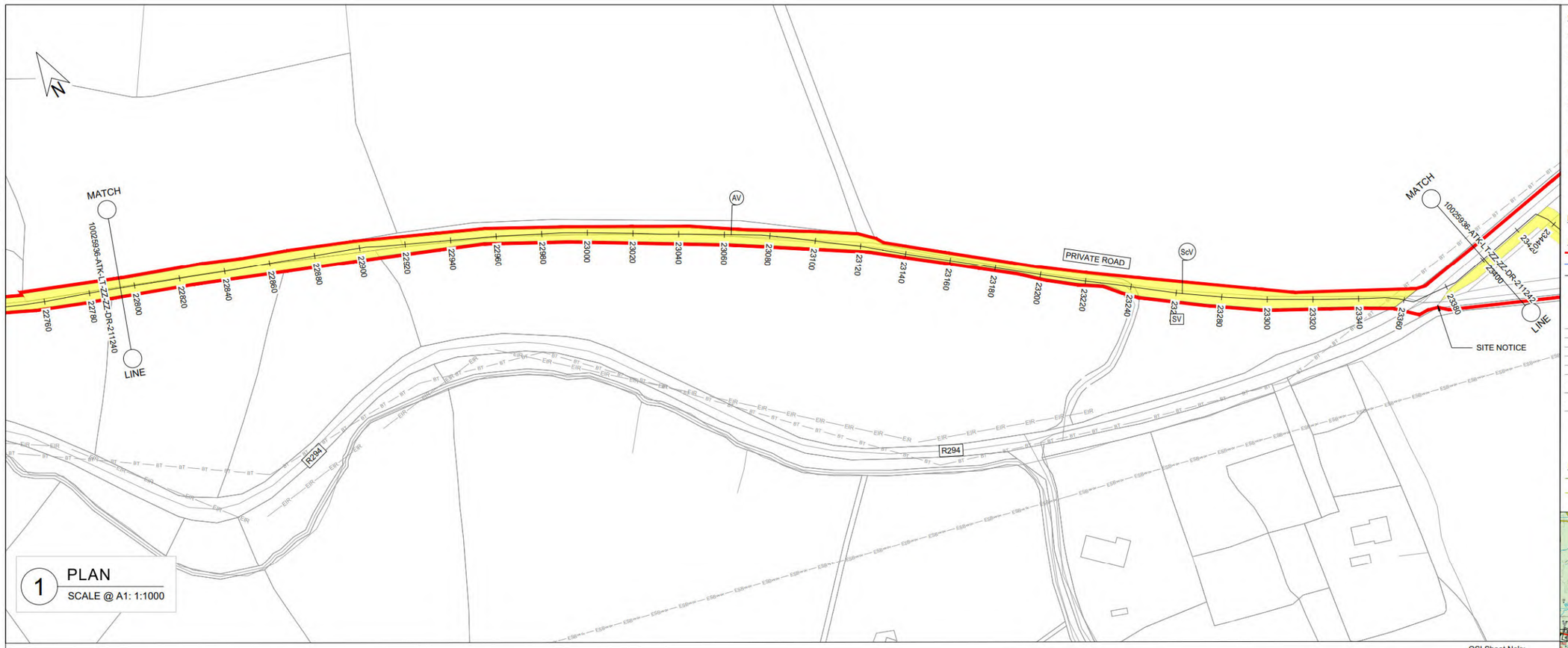
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211240
Revision: C01

Internal Project Number: 100089328

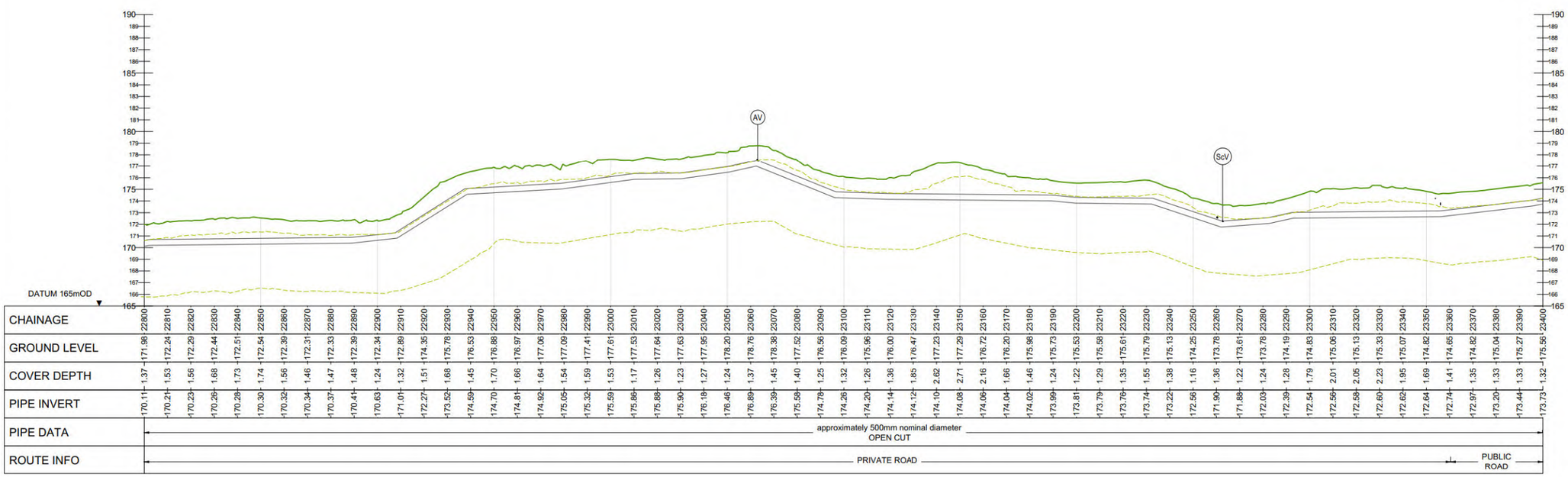
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1 PLAN
SCALE @ A1: 1:1000



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	172.34	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	174.74	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	175.89	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	172.59	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

GENERAL NOTES

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LEGEND:

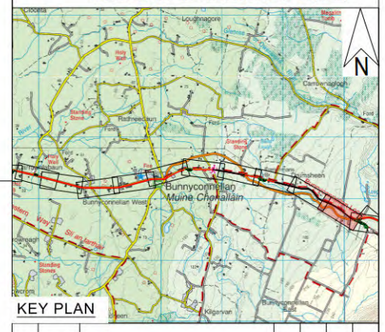
PLAN

- 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 — 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:
1388,1389.



KEY PLAN

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

Rev.	Date	Description	By	Chk'd	Rev'd	Appr'd
C01	31.08.26	PLANNING	SB	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANING
Status: A2

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DUBLIN | CORK | GALWAY | DUNDALK
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 41 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

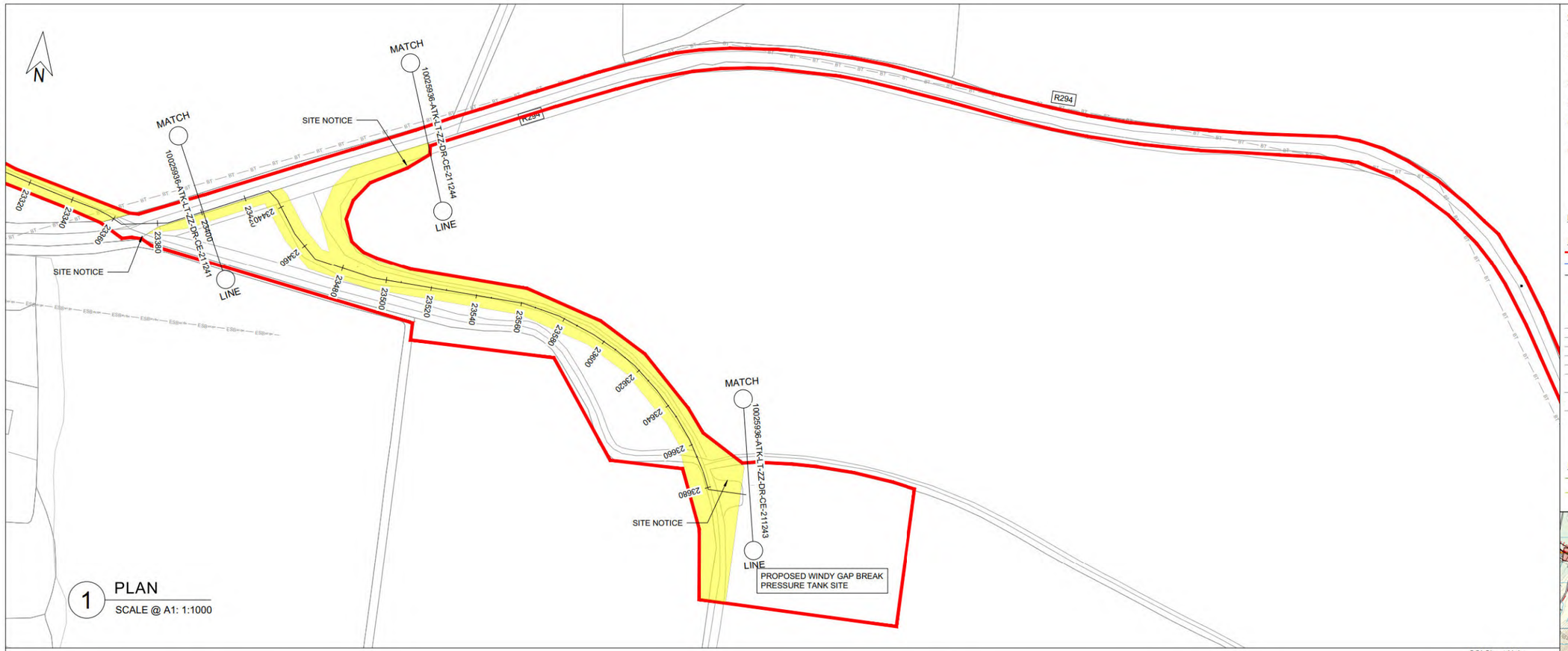
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211241
Revision: C01

Internal Project Number: 100089328

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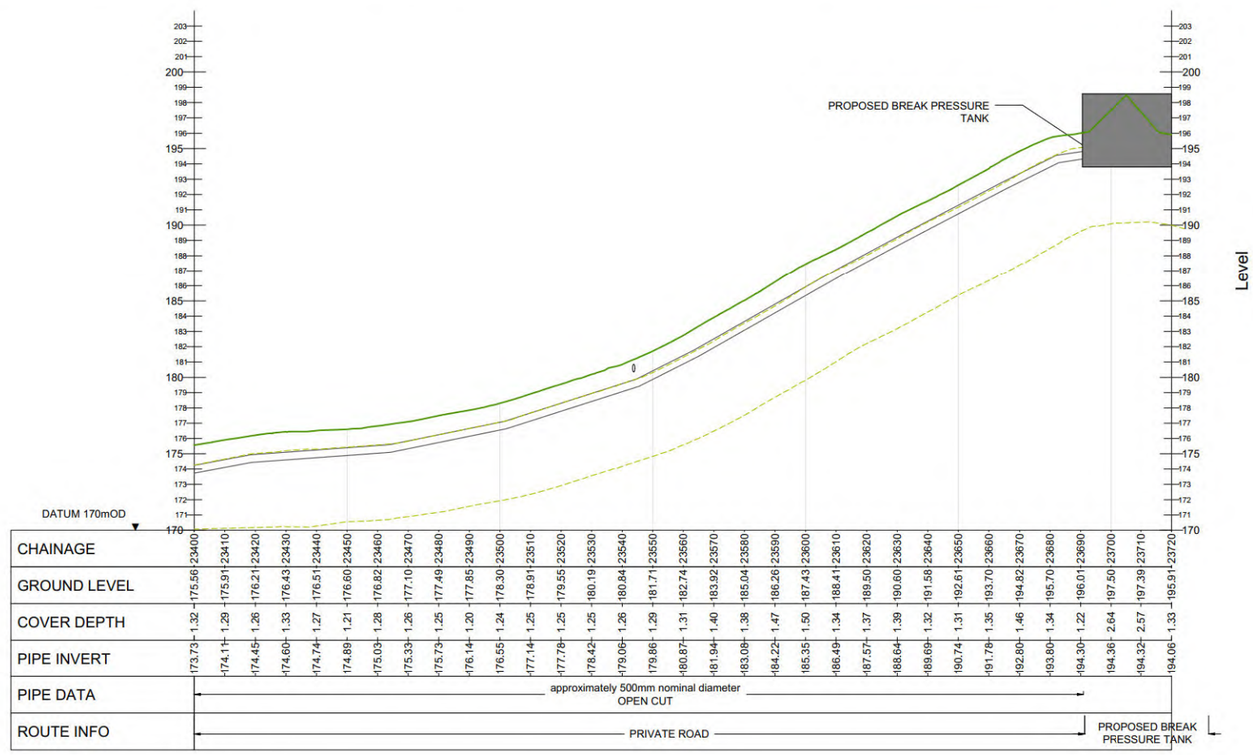
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1 PLAN

SCALE @ A1: 1:1000



2 LONGITUDINAL SECTION

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

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LEGEND:

PLAN

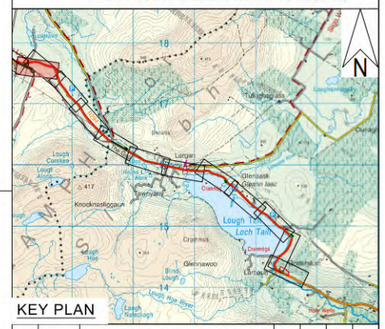
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE D
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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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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 42 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-211242

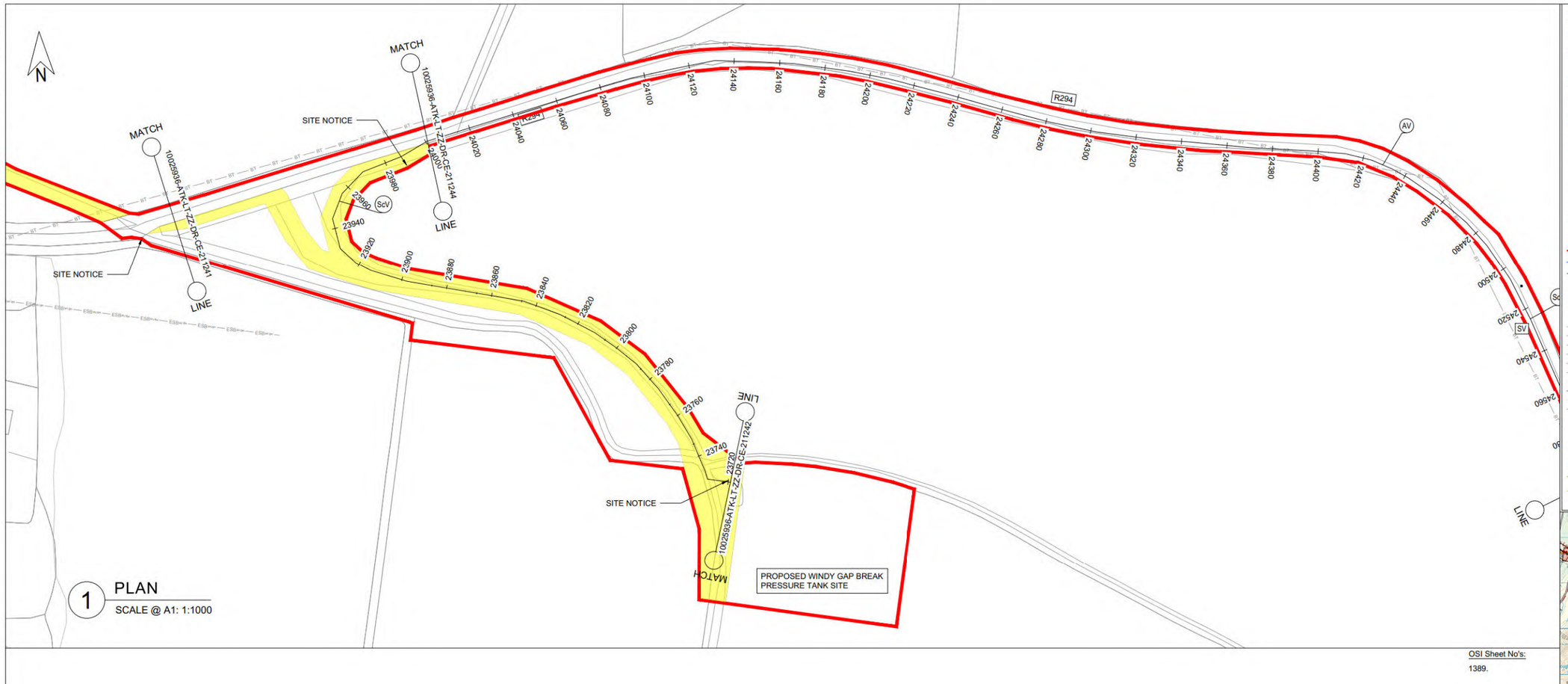
Revision: C01

Internal Project Number: 100089328

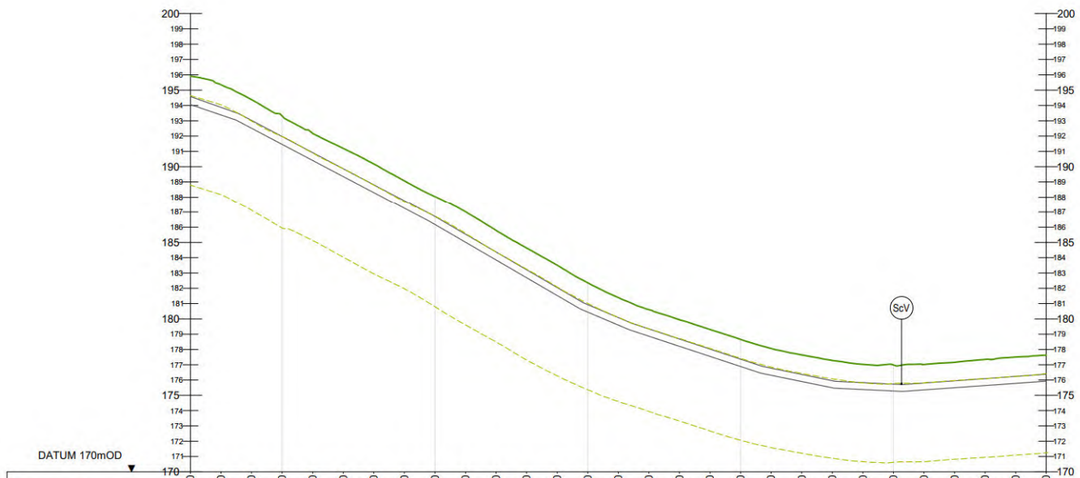
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1 PLAN
SCALE @ A1: 1:1000



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

OSI Sheet No's:
1389.

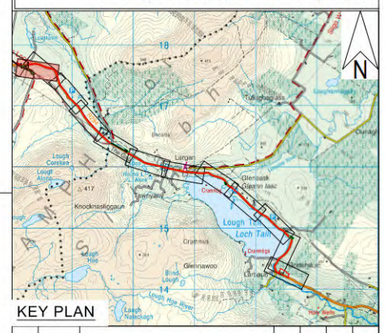
GENERAL NOTES

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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
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- 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

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
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 E
PLAN & LONGITUDINAL SECTION
SHEET 43 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

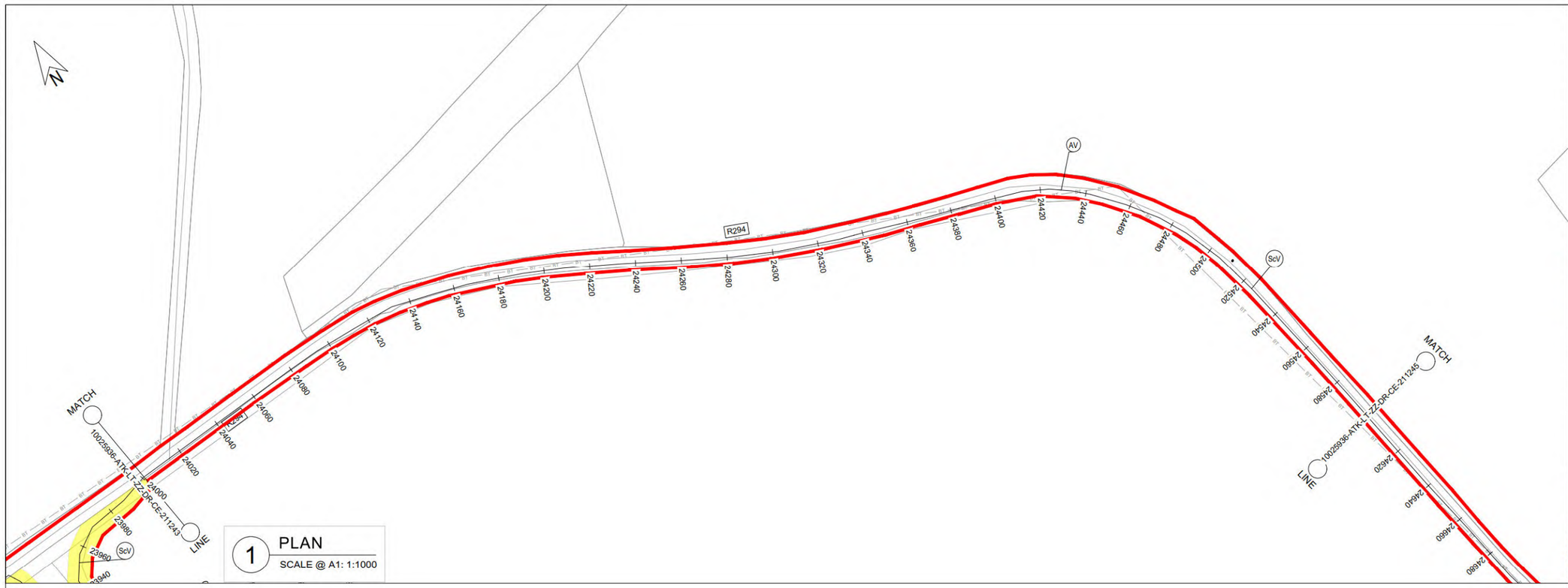
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211243
Revision: C01

Internal Project Number: 100089328

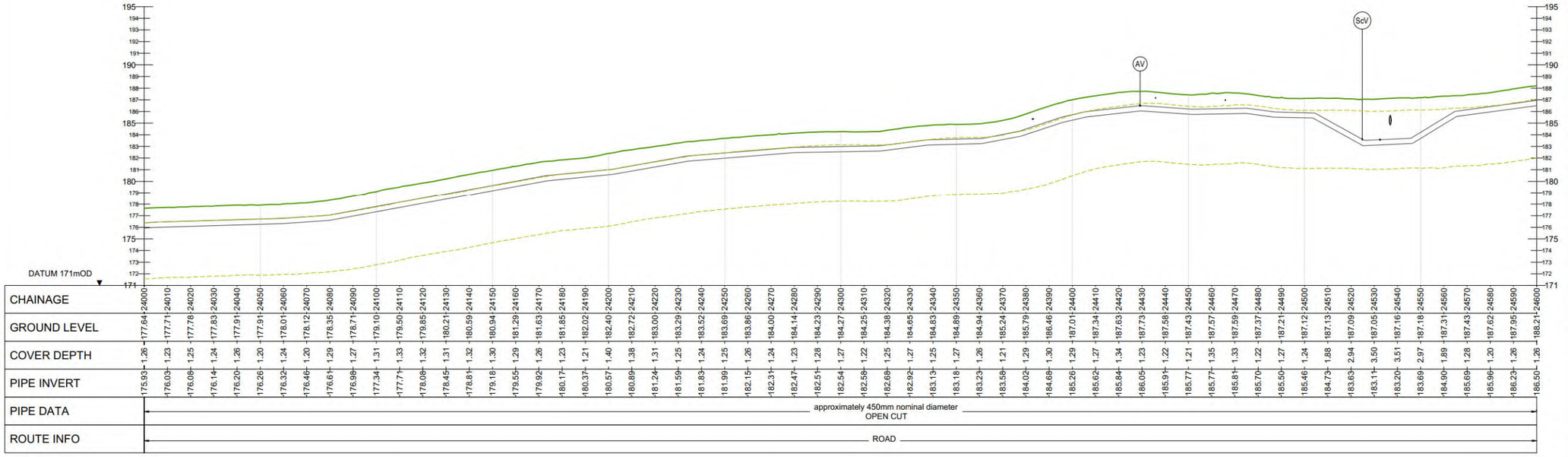
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1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	24000	24010	24020	24030	24040	24050	24060	24070	24080	24090	24100	24110	24120	24130	24140	24150	24160	24170	24180	24190	24200	24210	24220	24230	24240	24250	24260	24270	24280	24290	24300	24310	24320	24330	24340	24350	24360	24370	24380	24390	24400	24410	24420	24430	24440	24450	24460	24470	24480	24490	24500	24510	24520	24530	24540	24550	24560	24570	24580	24590	24600
GROUND LEVEL	177.64	177.71	177.78	177.83	177.91	177.91	178.01	178.12	178.35	178.71	179.10	179.50	179.85	180.21	180.59	180.94	181.29	181.63	181.85	182.02	182.40	182.72	183.00	183.29	183.52	183.69	183.86	184.00	184.14	184.23	184.27	184.25	184.38	184.65	184.83	184.89	184.94	185.24	185.79	186.46	187.01	187.34	187.63	187.73	187.58	187.43	187.21	187.57	187.59	187.37	187.21	187.12	187.13	187.09	187.05	187.16	187.18	187.31	187.43	187.62	187.95	188.21
COVER DEPTH	1.20	1.23	1.25	1.24	1.26	1.20	1.24	1.20	1.29	1.27	1.31	1.33	1.32	1.31	1.32	1.30	1.29	1.26	1.23	1.21	1.40	1.38	1.31	1.25	1.24	1.25	1.26	1.24	1.23	1.28	1.27	1.22	1.25	1.27	1.25	1.27	1.26	1.21	1.29	1.30	1.29	1.27	1.34	1.23	1.22	1.21	1.35	1.33	1.22	1.27	1.24	1.88	2.94	3.50	3.51	2.97	1.89	1.28	1.20	1.26	1.26
PIPE INVERT	175.93	176.03	176.08	176.14	176.20	176.26	176.32	176.46	176.61	176.98	177.34	177.71	178.08	178.45	178.81	179.18	179.55	179.92	180.17	180.37	180.57	180.89	181.24	181.59	181.83	181.99	182.15	182.31	182.47	182.51	182.54	182.58	182.68	182.92	183.13	183.18	183.23	183.58	184.02	184.68	185.26	185.62	185.84	186.05	185.91	185.77	185.77	185.81	185.70	185.50	185.46	184.73	183.63	183.11	183.20	183.69	184.90	185.69	185.96	186.23	186.50
PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

GENERAL NOTES

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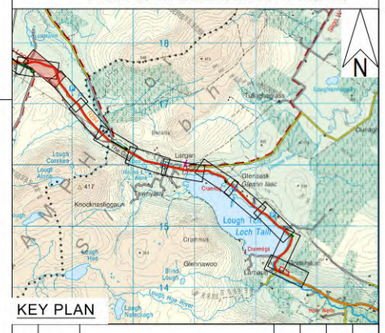
PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB HV OVERHEAD
- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
- EXISTING ENET
- 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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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 E PLAN & LONGITUDINAL SECTION SHEET 44 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-211244 — Revision: C01

Internal Project Number: 100089328

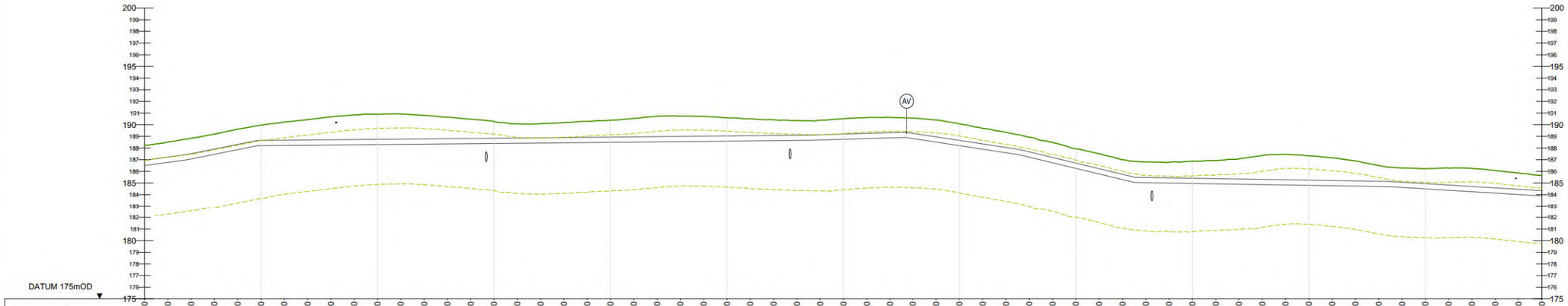
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1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	24600 24610 24620 24630 24640 24650 24660 24670 24680 24690 24700 24710 24720 24730 24740 24750 24760 24770 24780 24790 24800 24810 24820 24830 24840 24850 24860 24870 24880 24890 24900 24910 24920 24930 24940 24950 24960 24970 24980 24990 25000 25010 25020 25030 25040 25050 25060 25070 25080 25090 25100 25110 25120 25130 25140 25150 25160 25170 25180 25190 25200
GROUND LEVEL	188.21 188.52 188.84 189.20 189.61 189.96 190.23 190.44 190.67 190.84 190.91 190.92 190.80 190.65 190.47 190.28 190.07 190.09 190.18 190.29 190.39 190.54 190.73 190.74 190.71 190.59 190.51 190.42 190.36 190.38 190.52 190.61 190.63 190.57 190.40 190.08 189.69 189.35 188.93 188.47 187.94 187.51 187.00 186.81 186.79 186.87 186.93 187.07 187.36 187.45 187.33 187.16 186.89 186.50 186.29 186.23 186.29 186.25 186.07 185.85 185.64
COVER DEPTH	1.26 1.30 1.32 1.28 1.30 1.31 1.56 1.75 1.97 2.12 2.16 2.16 2.02 1.85 1.66 1.44 1.22 1.22 1.29 1.37 1.45 1.59 1.75 1.74 1.70 1.55 1.45 1.34 1.26 1.25 1.32 1.35 1.31 1.31 1.44 1.42 1.34 1.30 1.25 1.28 1.23 1.28 1.25 1.33 1.34 1.46 1.55 1.72 2.05 2.17 2.09 1.95 1.71 1.35 1.22 1.28 1.46 1.55 1.49 1.39 1.30
PIPE INVERT	186.50 186.77 187.09 187.46 187.86 188.20 188.22 188.24 188.26 188.27 188.29 188.31 188.33 188.35 188.37 188.39 188.40 188.42 188.44 188.46 188.48 188.50 188.53 188.55 188.57 188.59 188.61 188.63 188.65 188.69 188.75 188.81 188.87 188.81 188.51 188.20 187.90 187.60 187.21 186.73 186.25 185.77 185.29 185.02 184.99 184.96 184.93 184.89 184.86 184.83 184.80 184.76 184.73 184.70 184.62 184.50 184.38 184.25 184.13 184.01 183.89
PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

GENERAL NOTES

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LEGEND:

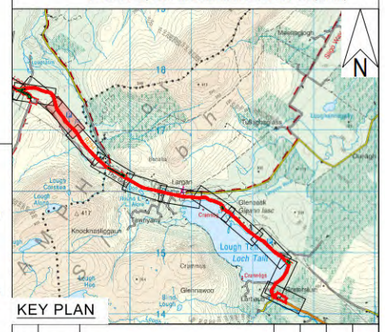
PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- 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
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- GAS — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — EXISTING AURORA TELECOM
- ENET — EXISTING ENET
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- 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 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 E PLAN & LONGITUDINAL SECTION SHEET 45 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

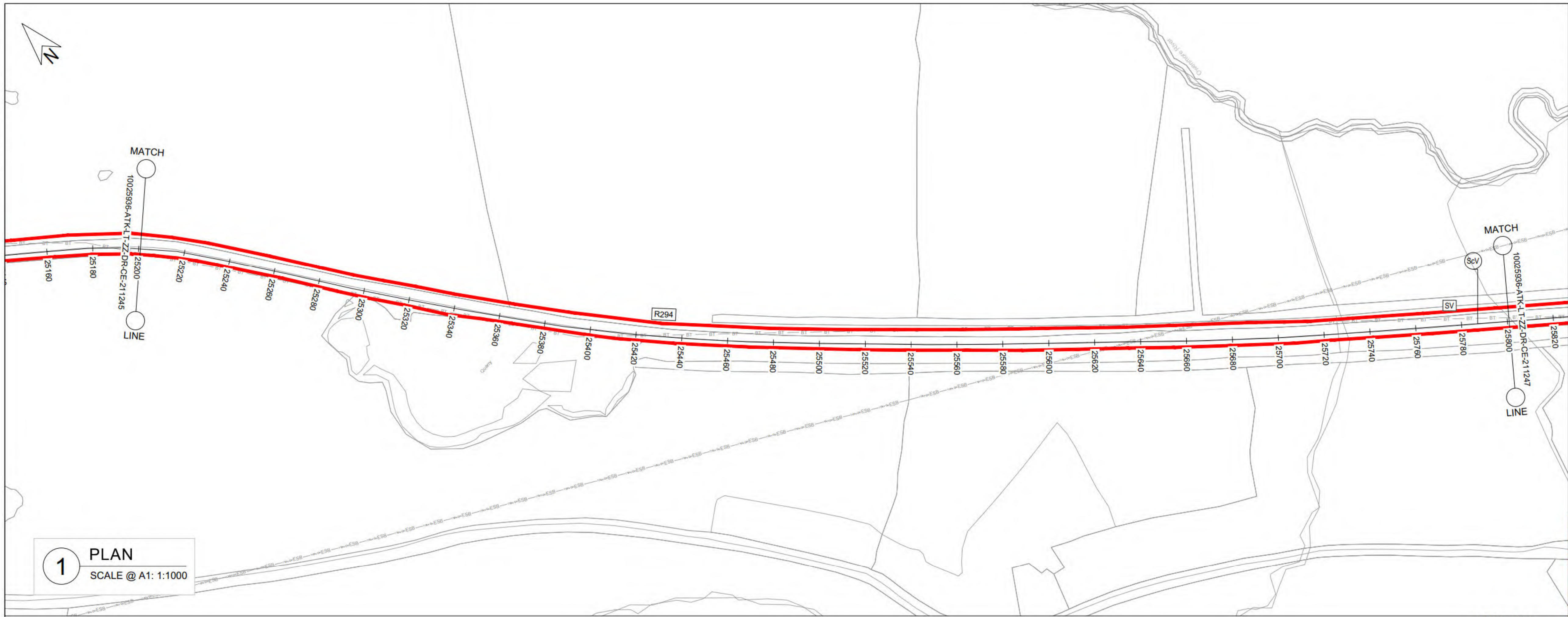
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211245
Revision: C01

Internal Project Number: 100089328

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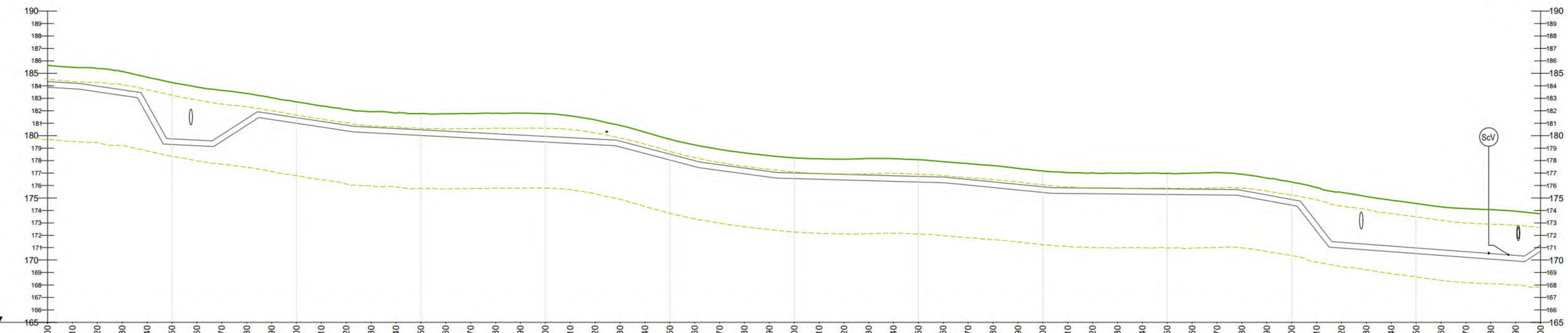


1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1389.



CHAINAGE	25200	25210	25220	25230	25240	25250	25260	25270	25280	25290
GROUND LEVEL	185.64	185.49	185.40	185.15	184.70	184.26	183.90	183.63	183.39	183.05
COVER DEPTH	1.30	1.28	1.42	1.47	2.11	4.51	4.26	3.55	2.02	1.29
PIPE INVERT	183.89	183.77	183.52	183.23	181.67	179.29	179.20	179.55	180.83	181.30

CHAINAGE	25300	25310	25320	25330	25340	25350	25360	25370	25380	25390
GROUND LEVEL	182.71	182.39	182.12	181.92	181.82	181.78	181.75	181.77	181.80	181.80
COVER DEPTH	1.26	1.24	1.27	1.24	1.25	1.31	1.39	1.51	1.64	1.76
PIPE INVERT	180.99	180.69	180.39	180.23	180.12	180.02	179.91	179.81	179.70	179.59

CHAINAGE	25400	25410	25420	25430	25440	25450	25460	25470	25480	25490
GROUND LEVEL	181.77	181.59	181.27	180.82	180.28	179.72	179.25	178.90	178.62	178.40
COVER DEPTH	1.83	1.76	1.54	1.26	1.24	1.20	1.26	1.23	1.22	1.27
PIPE INVERT	179.49	179.38	179.28	179.09	178.57	178.05	177.53	177.21	176.95	176.68

CHAINAGE	25500	25510	25520	25530	25540	25550	25560	25570	25580	25590
GROUND LEVEL	178.22	178.15	178.12	178.17	178.16	178.08	177.91	177.76	177.60	177.37
COVER DEPTH	1.21	1.20	1.22	1.33	1.37	1.35	1.24	1.28	1.31	1.27
PIPE INVERT	176.56	176.50	176.45	176.39	176.34	176.28	176.22	176.04	175.84	175.65

CHAINAGE	25600	25610	25620	25630	25640	25650	25660	25670	25680	25690
GROUND LEVEL	177.17	177.04	177.01	176.98	176.99	176.97	176.99	177.04	176.92	176.59
COVER DEPTH	1.26	1.22	1.21	1.21	1.24	1.24	1.28	1.35	1.30	1.35
PIPE INVERT	175.45	175.37	175.35	175.33	175.31	175.28	175.26	175.24	175.16	174.79

CHAINAGE	25700	25710	25720	25730	25740	25750	25760	25770	25780	25790	25800
GROUND LEVEL	176.28	175.84	175.45	175.12	174.82	174.56	174.29	174.15	174.08	173.94	173.73
COVER DEPTH	1.40	2.77	4.03	3.86	3.71	3.59	3.47	3.48	3.56	3.57	2.54
PIPE INVERT	174.42	172.34	170.96	170.81	170.66	170.51	170.37	170.22	170.07	169.92	170.71

PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

2 LONGITUDINAL SECTION

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

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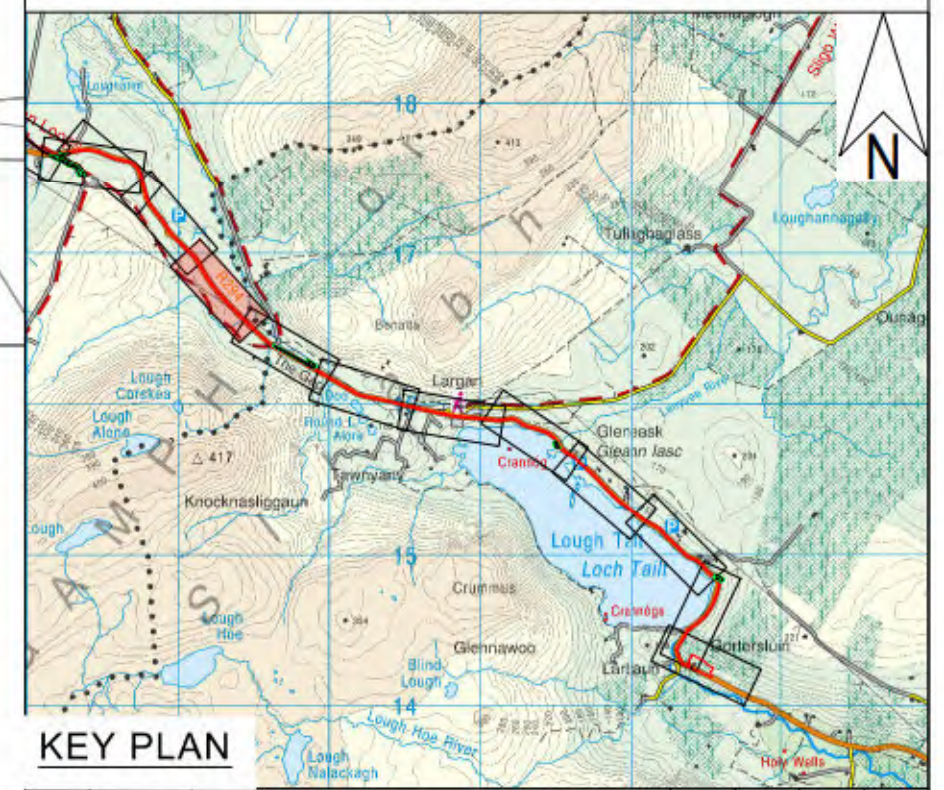
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
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- PROPOSED TRENCHLESS SECTION
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- GAS — EXISTING GAS
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- TU — TU — EXISTING AURORA TELECOM
- 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)



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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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 E
PLAN & LONGITUDINAL SECTION
SHEET 46 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

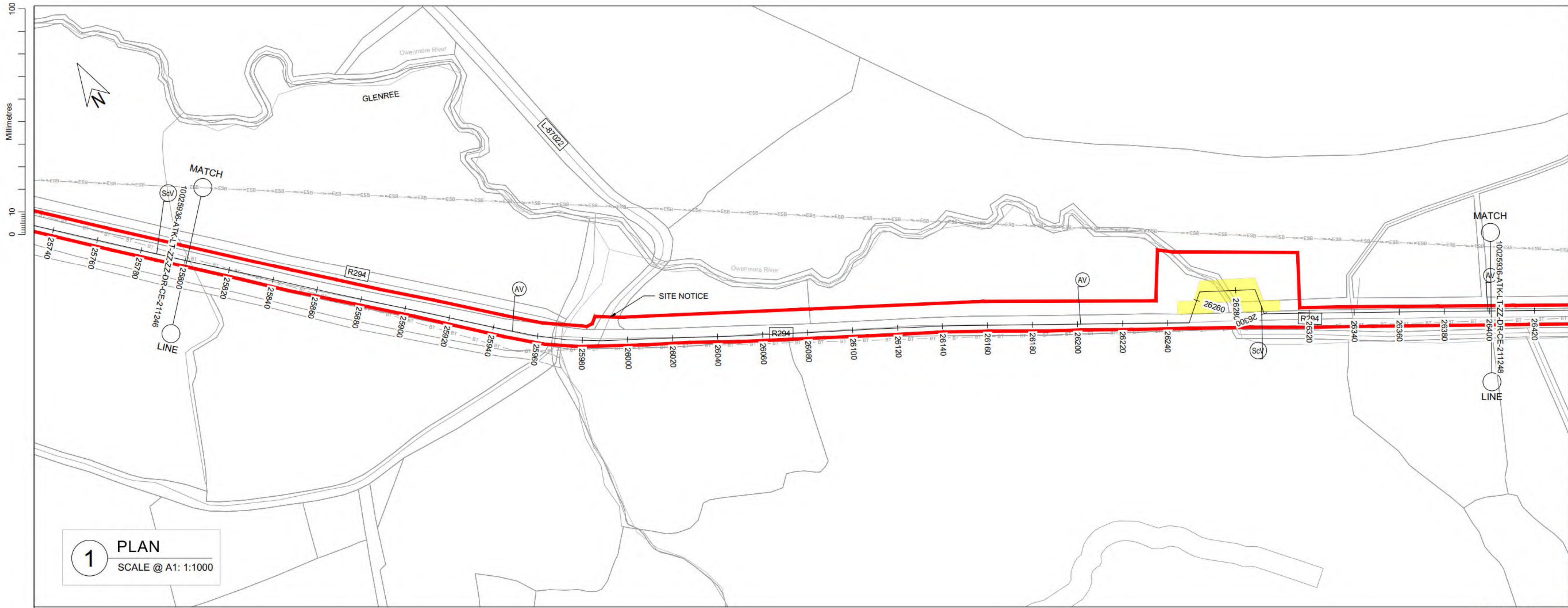
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211246 | Revision: C01

Internal Project Number: 100089328

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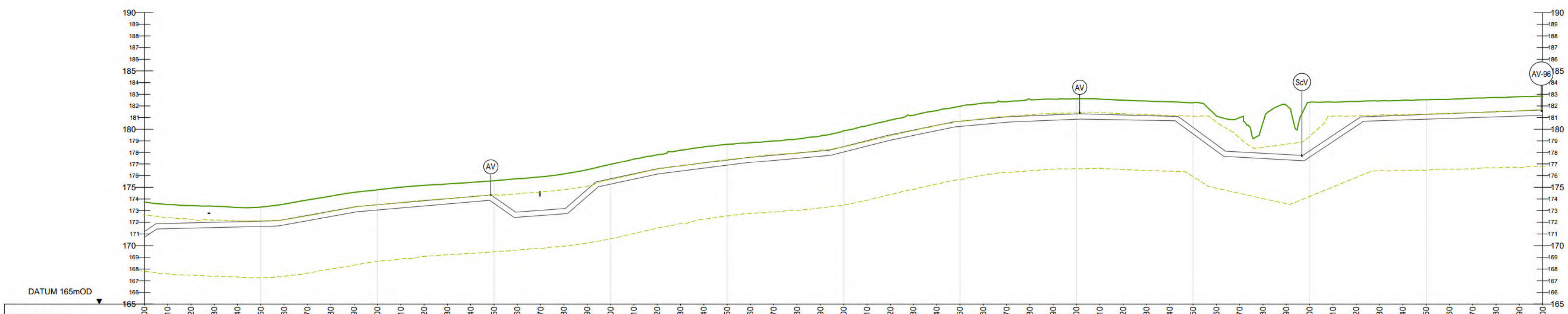
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1389.



CHAINAGE	25800	25810	25820	25830	25840	25850	25860	25870	25880	25890
GROUND LEVEL	173.73	173.52	173.44	173.38	173.27	173.31	173.56	173.92	174.25	174.57
COVER DEPTH	2.54	1.61	1.48	1.37	1.21	1.21	1.32	1.32	1.29	1.25
PIPE INVERT	170.71	171.46	171.51	171.56	171.60	171.65	171.78	172.14	172.50	172.86

CHAINAGE	25900	25910	25920	25930	25940	25950	25960	25970	25980	25990
GROUND LEVEL	174.79	175.01	175.17	175.29	175.42	175.56	175.74	175.90	176.15	176.51
COVER DEPTH	1.28	1.33	1.32	1.27	1.23	1.39	2.86	2.87	2.97	1.69
PIPE INVERT	173.06	173.23	173.40	173.57	173.75	173.63	172.43	172.58	172.73	174.22

CHAINAGE	26000	26010	26020	26030	26040	26050	26060	26070	26080	26090
GROUND LEVEL	176.97	177.44	177.82	178.20	178.49	178.71	178.85	179.00	179.17	179.42
COVER DEPTH	1.24	1.28	1.23	1.36	1.39	1.36	1.26	1.22	1.21	1.29
PIPE INVERT	175.27	175.70	176.13	176.39	176.64	176.90	177.14	177.32	177.50	177.68

CHAINAGE	26100	26110	26120	26130	26140	26150	26160	26170	26180	26190
GROUND LEVEL	179.89	180.30	180.79	181.20	181.59	181.96	182.24	182.35	182.55	182.58
COVER DEPTH	1.37	1.28	1.27	1.27	1.25	1.27	1.36	1.30	1.40	1.35
PIPE INVERT	178.05	178.56	179.06	179.47	179.88	180.24	180.42	180.60	180.70	180.78

CHAINAGE	26200	26210	26220	26230	26240	26250	26260	26270	26280	26290
GROUND LEVEL	182.61	182.59	182.49	182.42	182.35	182.28	181.15	181.00	180.57	182.06
COVER DEPTH	1.30	1.31	1.26	1.25	1.24	2.12	2.45	2.94	2.62	4.23
PIPE INVERT	180.86	180.85	180.81	180.77	180.74	179.60	178.14	177.61	177.49	177.38

CHAINAGE	26300	26310	26320	26330	26340	26350	26360	26370	26380	26390	26400
GROUND LEVEL	182.32	182.32	182.39	182.43	182.49	182.53	182.56	182.67	182.73	182.79	182.84
COVER DEPTH	4.17	2.84	1.57	1.31	1.29	1.26	1.22	1.25	1.23	1.22	1.19
PIPE INVERT	177.61	178.94	180.27	180.73	180.80	180.87	180.93	181.00	181.07	181.13	181.20

PIPE DATA: approximately 450mm 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 E
- 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)



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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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

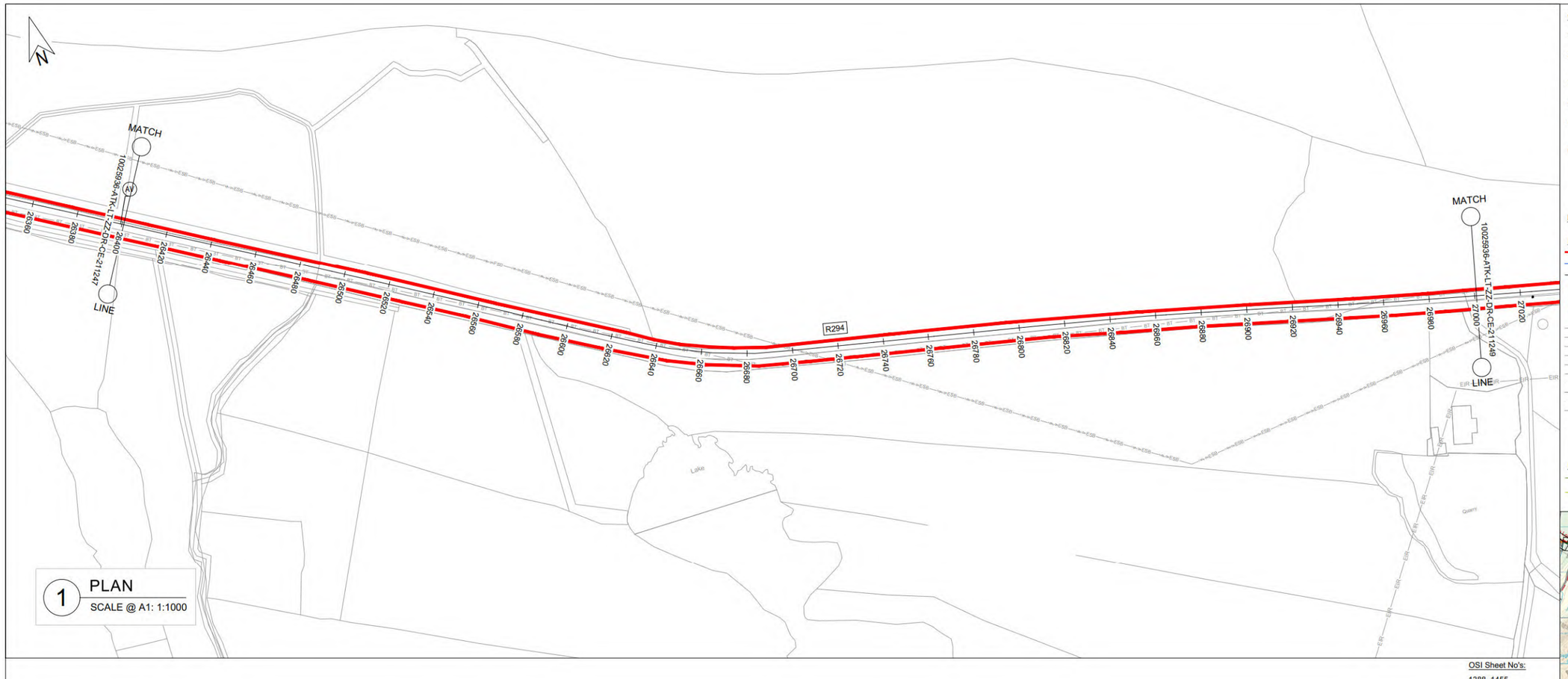
Drawing Title: PROPOSED TREATED WATER PIPELINE
PIPELINE E
PLAN & LONGITUDINAL SECTION
SHEET 47 OF 54

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-211247 — Revision: C01

Internal Project Number: 100089328

DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388, 1455.

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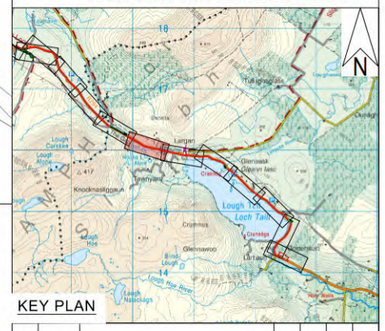
LEGEND:

PLAN

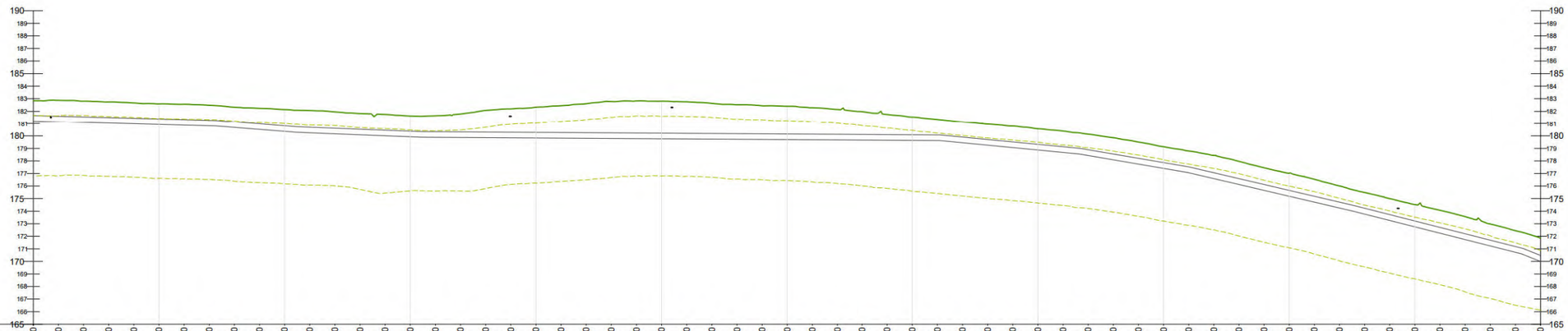
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — EXISTING WATERMAIN
- FW — EXISTING FOUL SEWER
- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
- ESB — EXISTING ESB HV OVERHEAD
- 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)



KEY PLAN



CHAINAGE	26400	26410	26420	26430	26440	26450	26460	26470	26480	26490	26500	26510	26520	26530	26540	26550	26560	26570	26580	26590	26600	26610	26620	26630	26640	26650	26660	26670	26680	26690	26700	26710	26720	26730	26740	26750	26760	26770	26780	26790	26800	26810	26820	26830	26840	26850	26860	26870	26880	26890	26900	26910	26920	26930	26940	26950	26960	26970	26980	26990	27000
GROUND LEVEL	182.84	182.87	182.81	182.75	182.67	182.59	182.56	182.48	182.33	182.24	182.14	182.06	181.95	181.82	181.75	181.62	181.64	181.79	182.07	182.19	182.33	182.45	182.60	182.78	182.83	182.81	182.76	182.64	182.52	182.45	182.40	182.29	182.14	181.97	181.74	181.53	181.34	181.13	180.95	180.79	180.58	180.39	180.14	179.86	179.50	179.13	178.79	178.44	177.97	177.46	177.02	176.54	176.01	175.49	175.00	174.53	174.07	173.57	172.97	172.45	171.85
COVER DEPTH	1.19	1.28	1.27	1.26	1.24	1.22	1.24	1.21	1.19	1.26	1.33	1.37	1.33	1.28	1.29	1.25	1.31	1.47	1.77	1.90	2.05	2.18	2.35	2.53	2.60	2.59	2.55	2.45	2.34	2.28	2.25	2.15	2.02	1.86	1.64	1.45	1.27	1.23	1.24	1.28	1.25	1.26	1.24	1.31	1.30	1.27	1.27	1.38	1.38	1.33	1.37	1.36	1.29	1.27	1.25	1.27	1.31	1.36	1.36	1.28	1.26	1.37
PIPE INVERT	181.20	181.14	181.09	181.04	180.98	180.93	180.87	180.82	180.69	180.53	180.37	180.25	180.17	180.09	180.01	179.93	179.88	179.87	179.85	179.84	179.83	179.82	179.80	179.79	179.78	179.76	179.75	179.74	179.73	179.71	179.70	179.69	179.68	179.66	179.65	179.64	179.62	179.45	179.26	179.06	178.87	178.68	178.43	178.09	177.75	177.41	177.06	176.80	176.13	175.66	175.19	174.72	174.26	173.77	173.26	172.75	172.25	171.74	171.23	170.72	169.99
PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	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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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 E
PLAN & LONGITUDINAL SECTION
SHEET 48 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

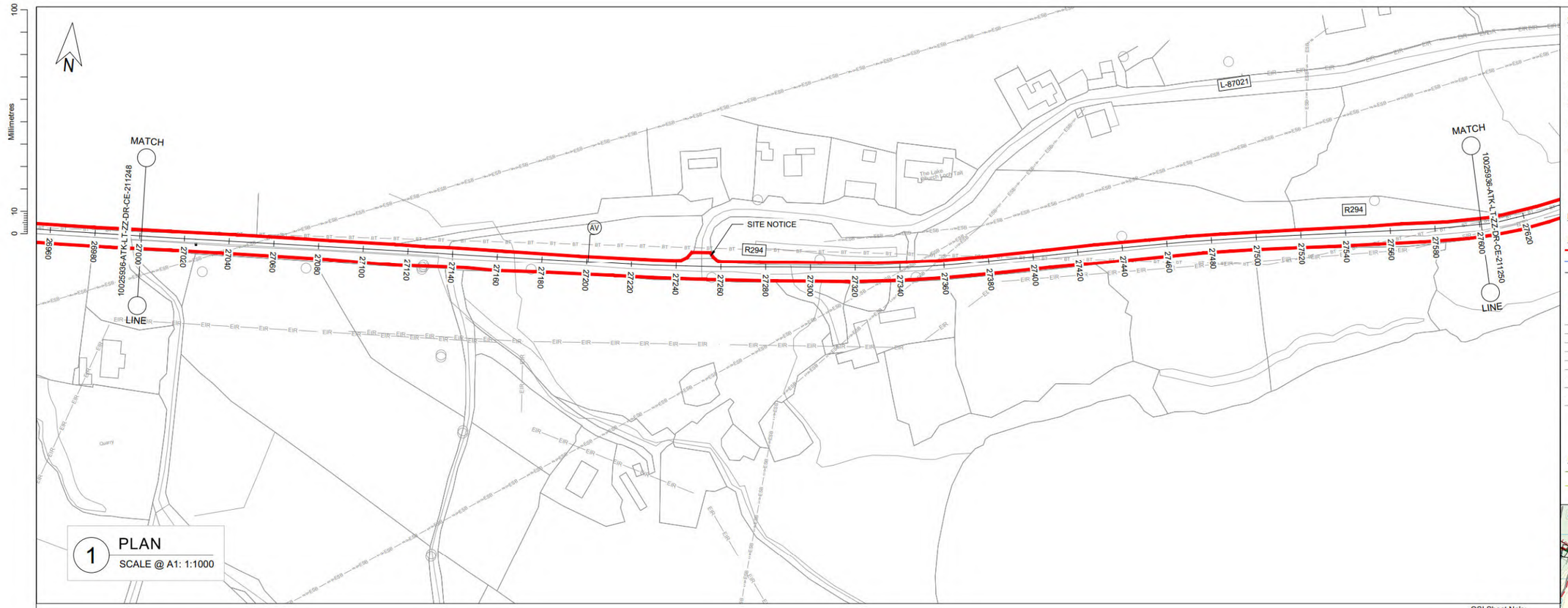
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211248
Revision: C01

Internal Project Number: 100089328

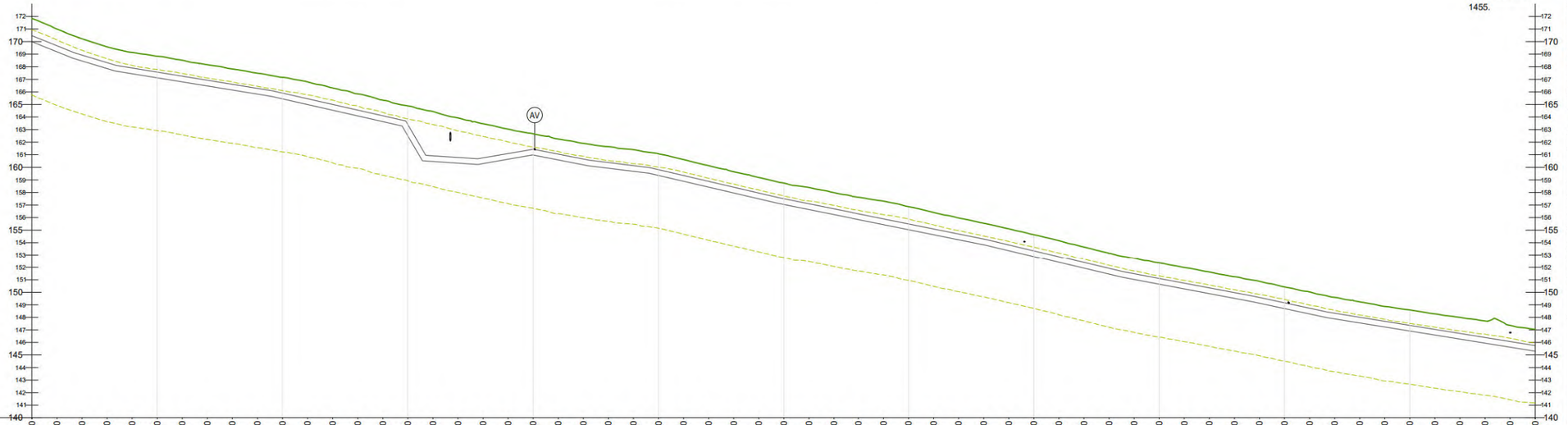
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DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	27000	27010	27020	27030	27040	27050	27060	27070	27080	27090	27100	27110	27120	27130	27140	27150	27160	27170	27180	27190	27200	27210	27220	27230	27240	27250	27260	27270	27280	27290	27300	27310	27320	27330	27340	27350	27360	27370	27380	27390	27400	27410	27420	27430	27440	27450	27460	27470	27480	27490	27500	27510	27520	27530	27540	27550	27560	27570	27580	27590	27600
GROUND LEVEL	171.85	171.00	170.23	169.59	169.14	168.84	168.52	168.16	167.83	167.49	167.16	166.79	166.31	165.84	165.34	164.89	164.44	163.92	163.46	163.04	162.67	162.25	161.91	161.64	161.41	161.08	160.62	160.13	159.65	159.19	158.74	158.40	157.98	157.62	157.30	156.87	156.41	155.97	155.55	155.10	154.64	154.16	153.65	153.15	152.73	152.35	151.98	151.62	151.24	150.87	150.42	150.03	149.59	149.24	148.87	148.59	148.28	148.00	147.72	147.36	147.04
COVER DEPTH	1.37	1.33	1.30	1.26	1.24	1.27	1.27	1.23	1.22	1.21	1.25	1.34	1.31	1.29	1.24	1.50	3.52	3.14	2.71	1.95	1.23	1.21	1.25	1.27	1.27	1.26	1.27	1.25	1.23	1.23	1.24	1.29	1.28	1.32	1.41	1.37	1.31	1.28	1.26	1.28	1.29	1.30	1.26	1.23	1.25	1.25	1.25	1.27	1.26	1.28	1.26	1.29	1.26	1.23	1.18	1.22	1.23	1.28	1.28	1.32	1.28	1.29
PIPE INVERT	169.99	169.19	168.46	167.85	167.44	167.12	166.79	166.47	166.15	165.82	165.44	164.99	164.54	164.09	163.64	162.50	160.47	160.33	160.30	160.65	160.98	160.59	160.20	159.93	159.68	159.35	158.89	158.42	157.96	157.49	157.04	156.64	156.24	155.84	155.44	155.03	154.63	154.23	153.83	153.36	152.88	152.40	151.93	151.45	151.02	150.65	150.27	149.89	149.52	149.13	148.70	148.27	147.88	147.55	147.23	146.91	146.59	146.26	145.94	145.62	145.30
PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

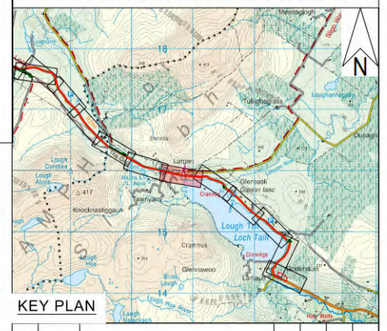
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
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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:
1455.

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 E
PLAN & LONGITUDINAL SECTION
SHEET 49 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-211249
Revision: C01

Internal Project Number: 100089328

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DO NOT SCALE



1 PLAN

SCALE @ A1: 1:1000

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LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
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- ESB — EXISTING ESB MV UNDERGROUND
- ESB — EXISTING ESB LV UNDERGROUND
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- BT — EXISTING BT
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- ScV — PROPOSED SCOUR VALVE

LONGITUDINAL SECTION

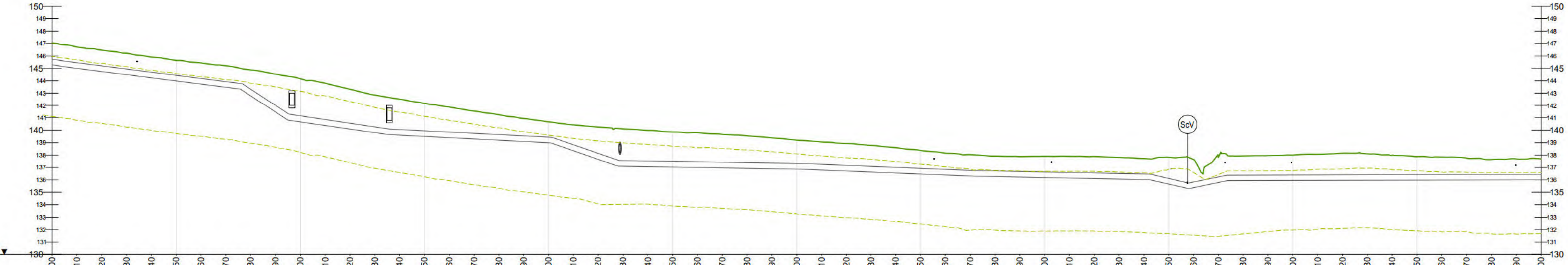
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1455.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
27600	147.04	1.29	145.30
27610	146.72	1.26	145.01
27620	146.47	1.26	144.75
27630	146.23	1.27	144.50
27640	145.91	1.21	144.24
27650	145.65	1.21	143.99
27660	145.44	1.26	143.73
27670	145.21	1.28	143.48
27680	144.88	1.55	142.79
27690	144.54	2.53	141.47
27700	144.17	3.00	140.67
27710	143.80	2.93	140.39
27720	143.32	2.75	140.10
27730	142.85	2.58	139.81
27740	142.52	2.46	139.61
27750	142.18	2.23	139.50
27760	141.87	2.02	139.40
27770	141.55	1.80	139.30
27780	141.25	1.61	139.20
27790	140.95	1.40	139.09
27800	140.68	1.24	138.99
27810	140.43	1.60	138.35
27820	140.26	2.12	137.66
27830	140.11	2.55	137.10
27840	139.99	2.47	137.07
27850	139.86	2.37	137.04
27860	139.80	2.35	137.00
27870	139.66	2.24	136.97
27880	139.55	2.16	136.94
27890	139.38	2.02	136.91
27900	139.20	1.88	136.87
27910	139.05	1.80	136.80
27920	138.93	1.76	136.72
27930	138.78	1.68	136.64
27940	138.59	1.58	136.56
27950	138.38	1.45	136.48
27960	138.15	1.30	136.40
27970	138.03	1.26	136.32
27980	137.91	1.19	136.27
27990	137.86	1.18	136.23
28000	137.90	1.25	136.19
28010	137.89	1.29	136.15
28020	137.88	1.31	136.11
28030	137.81	1.28	136.08
28040	137.71	1.23	136.04
28050	137.82	1.70	135.67
28060	137.64	1.80	135.38
28070	137.85	1.60	135.80
28080	137.93	1.54	135.95
28090	137.95	1.56	135.96
28100	137.99	1.59	135.96
28110	138.06	1.66	135.97
28120	138.15	1.74	135.97
28130	138.10	1.68	135.97
28140	137.98	1.56	135.98
28150	137.87	1.44	135.98
28160	137.84	1.41	135.99
28170	137.75	1.31	135.99
28180	137.64	1.20	136.00
28190	137.68	1.23	136.00
28200	137.70	1.24	136.01

PIPE DATA: approximately 450mm 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 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 E PLAN & LONGITUDINAL SECTION SHEET 50 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-211250

Revision: C01

Internal Project Number: 100089328

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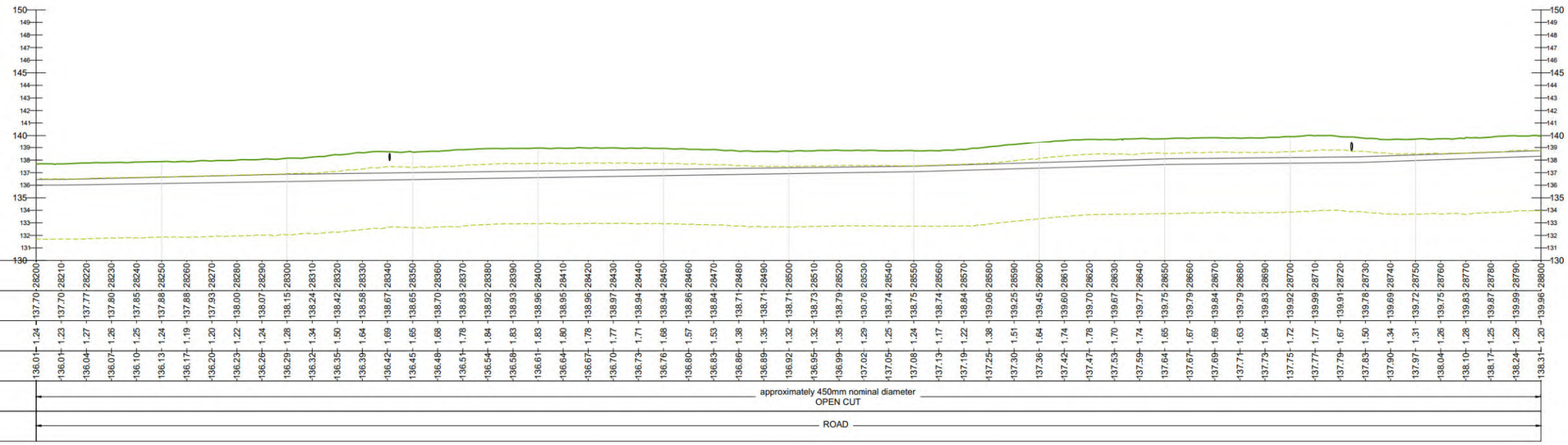
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1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1455,1456.



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

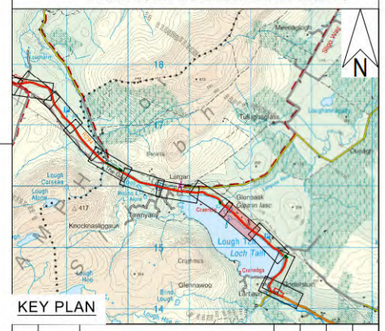
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LEGEND:

PLAN
- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- EXISTING WATERMAIN
- EXISTING FOUL SEWER
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB LV UNDERGROUND
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- EXISTING GAS
- EXISTING EIRCOM
- EXISTING AURORA TELECOM
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- 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 PLANNING
Status: A2

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Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE
PIPELINE E
PLAN & LONGITUDINAL SECTION
SHEET 51 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-211251
Revision: C01

Internal Project Number: 100689328

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1 PLAN

SCALE @ A1: 1:1000

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LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- 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

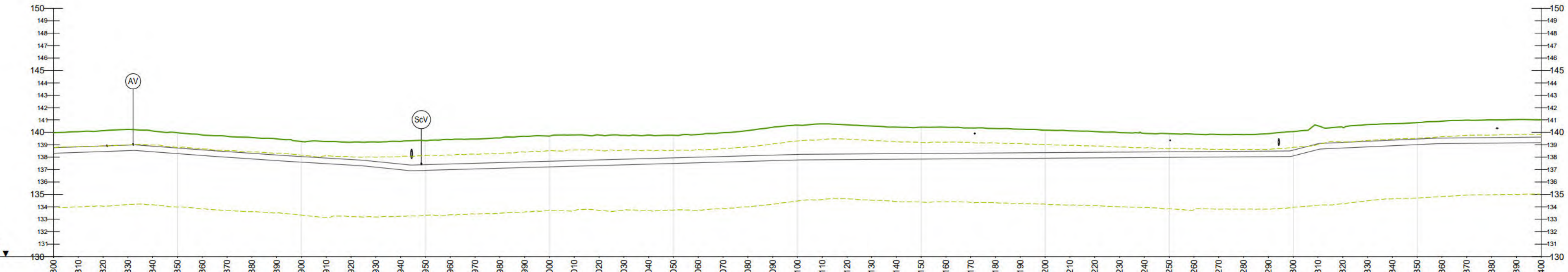
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1456.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
28800	139.96	1.20	138.31
28810	140.04	1.21	138.38
28820	140.13	1.23	138.45
28830	140.23	1.26	138.52
28840	140.10	1.22	138.43
28850	139.97	1.24	138.28
28860	139.78	1.20	138.13
28870	139.68	1.23	137.99
28880	139.58	1.27	137.86
28890	139.47	1.29	137.72
28900	139.26	1.21	137.60
28910	139.25	1.33	137.48
28920	139.19	1.39	137.36
28930	139.22	1.58	137.19
28940	139.27	1.83	136.99
28950	139.33	1.93	136.94
28960	139.41	1.97	137.00
28970	139.46	1.96	137.05
28980	139.54	1.99	137.11
28990	139.68	2.07	137.16
29000	139.69	2.02	137.22
29010	139.79	2.07	137.27
29020	139.78	2.00	137.33
29030	139.75	1.92	137.38
29040	139.77	1.89	137.44
29050	139.75	1.81	137.49
29060	139.82	1.83	137.55
29070	139.96	1.91	137.60
29080	140.14	2.03	137.66
29090	140.40	2.24	137.71
29100	140.57	2.36	137.77
29110	140.67	2.43	137.79
29120	140.60	2.35	137.80
29130	140.50	2.24	137.81
29140	140.42	2.14	137.83
29150	140.41	2.12	137.84
29160	140.41	2.10	137.86
29170	140.34	2.02	137.87
29180	140.30	1.97	137.88
29190	140.25	1.90	137.90
29200	140.17	1.81	137.91
29210	140.12	1.74	137.92
29220	140.06	1.67	137.94
29230	139.97	1.57	137.95
29240	139.91	1.50	137.96
29250	139.88	1.46	137.98
29260	139.84	1.40	137.99
29270	139.82	1.36	138.00
29280	139.81	1.34	138.02
29290	139.88	1.40	138.03
29300	140.06	1.50	138.10
29310	140.53	1.45	138.61
29320	140.39	1.21	138.73
29330	140.62	1.34	138.82
29340	140.69	1.32	138.92
29350	140.78	1.32	139.01
29360	140.89	1.36	139.08
29370	140.97	1.42	139.10
29380	141.00	1.42	139.12
29390	141.02	1.43	139.14
29400	141.00	1.39	139.17

PIPE DATA: approximately 450mm nominal diameter OPEN CUT

ROUTE INFO: 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 E PLAN & LONGITUDINAL SECTION SHEET 52 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-211252

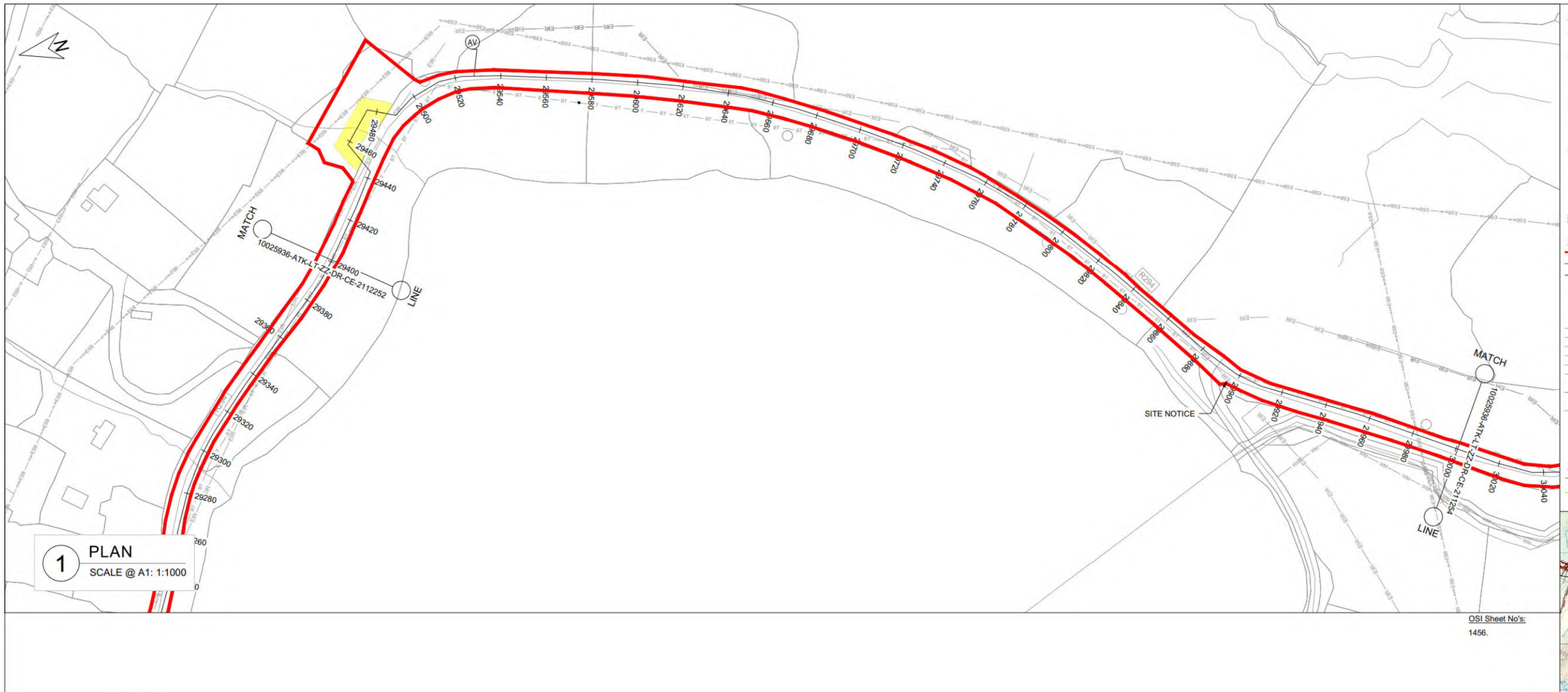
Revision: C01

Internal Project Number: 100089328

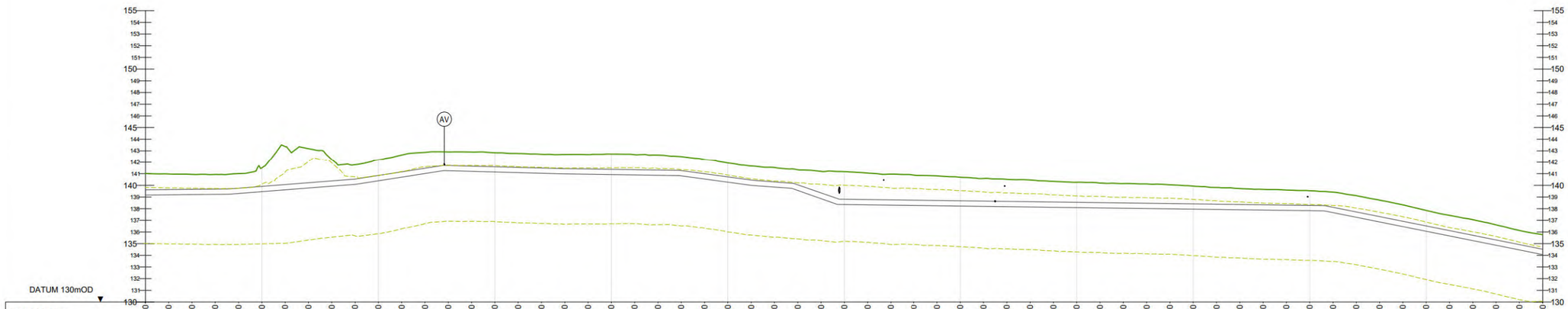
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1 PLAN
SCALE @ A1: 1:1000



CHAINAGE	29400 … 30000
GROUND LEVEL	141.00 … 135.76
COVER DEPTH	1.39 … 1.24
PIPE INVERT	139.17 … 134.07
PIPE DATA	approximately 450mm 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:

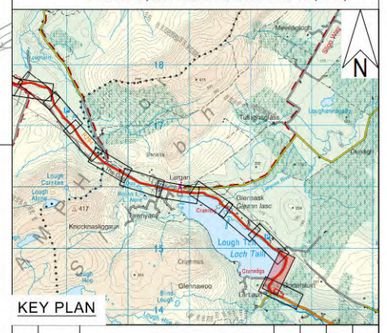
PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
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- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
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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:
1456.



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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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 E
PLAN & LONGITUDINAL SECTION
SHEET 53 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-211253
Revision: C01

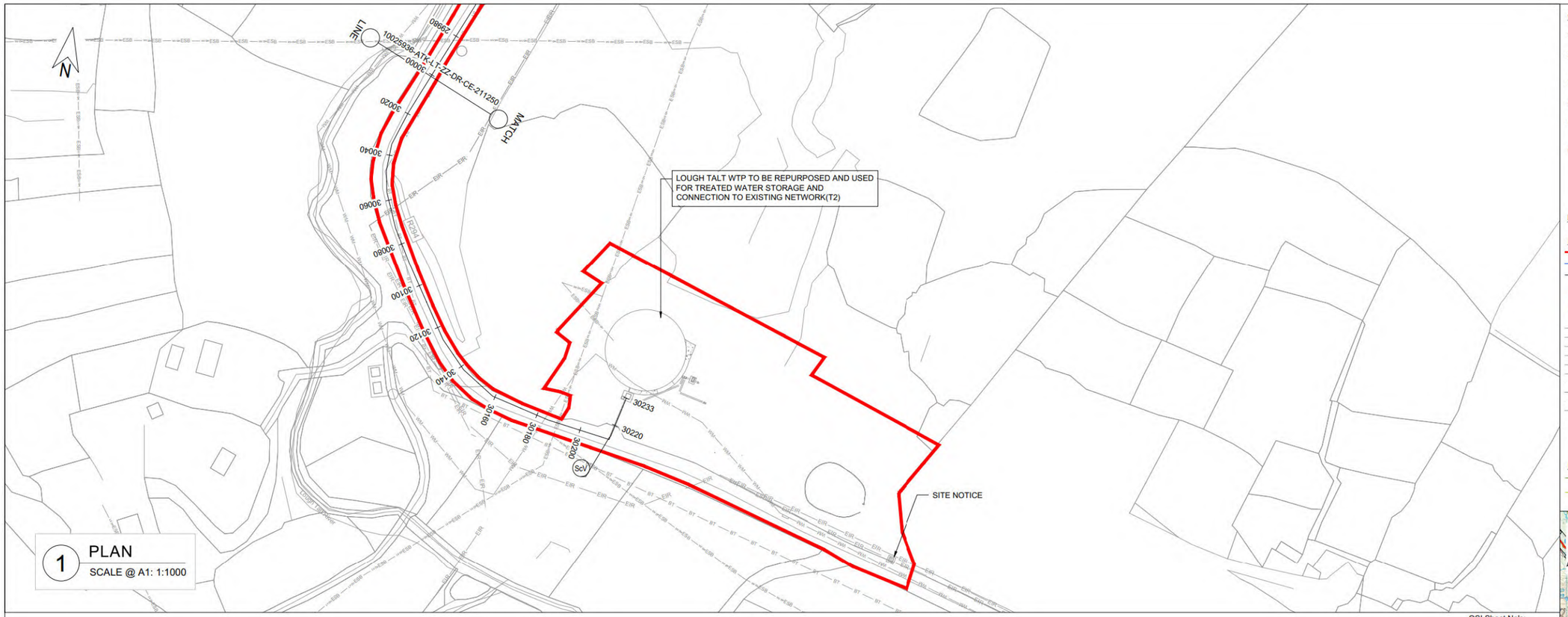
Internal Project Number: 100089328

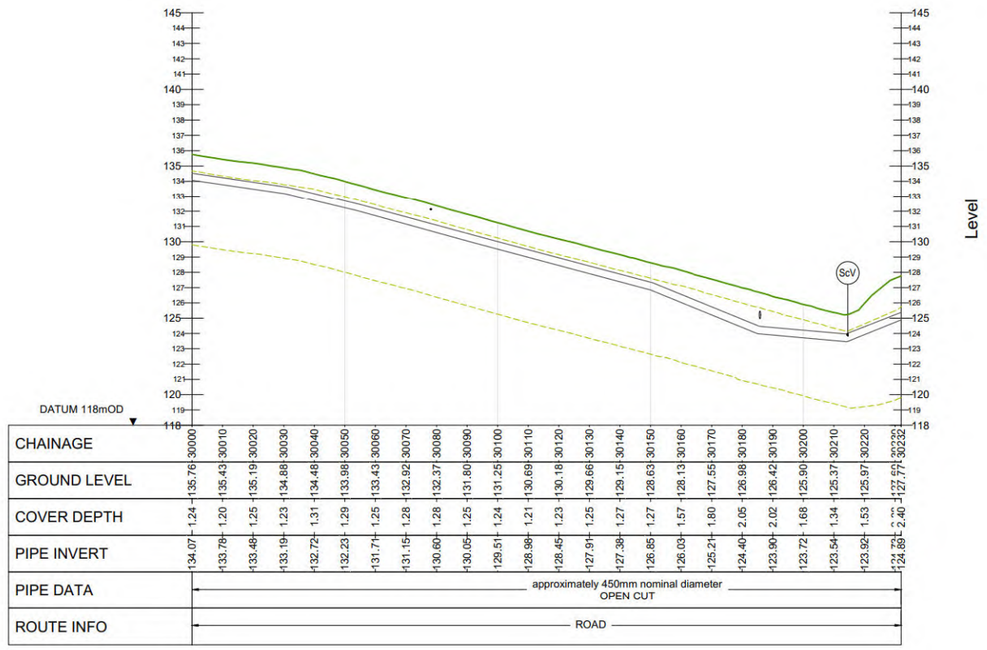
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2 LONGITUDINAL SECTION
SCALE @ A1: HORIZONTAL : 1:1000, VERTICAL : 1:200

GENERAL NOTES

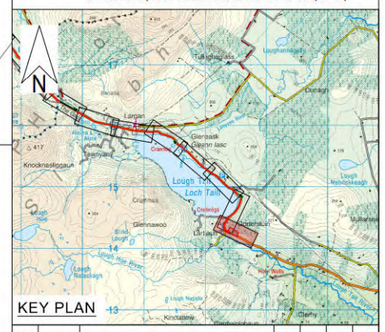
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1456.



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C01	31.08.26	PLANNING	SB	ABM	MMcE	TM

Drawing Suitability: PROJECT PLANING
Status: A2

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Project Title: BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Drawing Title: PROPOSED TREATED WATER PIPELINE PIPELINE E PLAN & LONGITUDINAL SECTION SHEET 54 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-211254
Revision: C01

Internal Project Number: 100089328

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