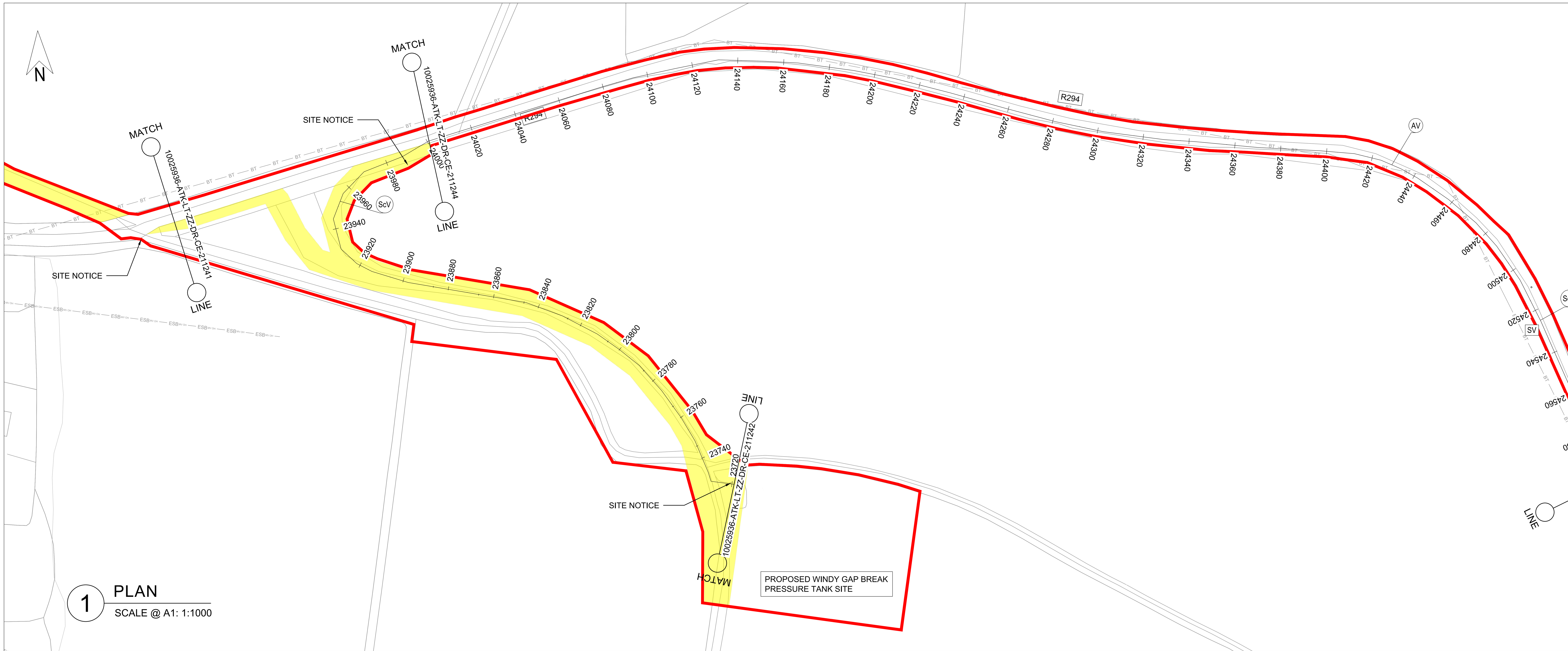
DO NOT SCALE



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
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.

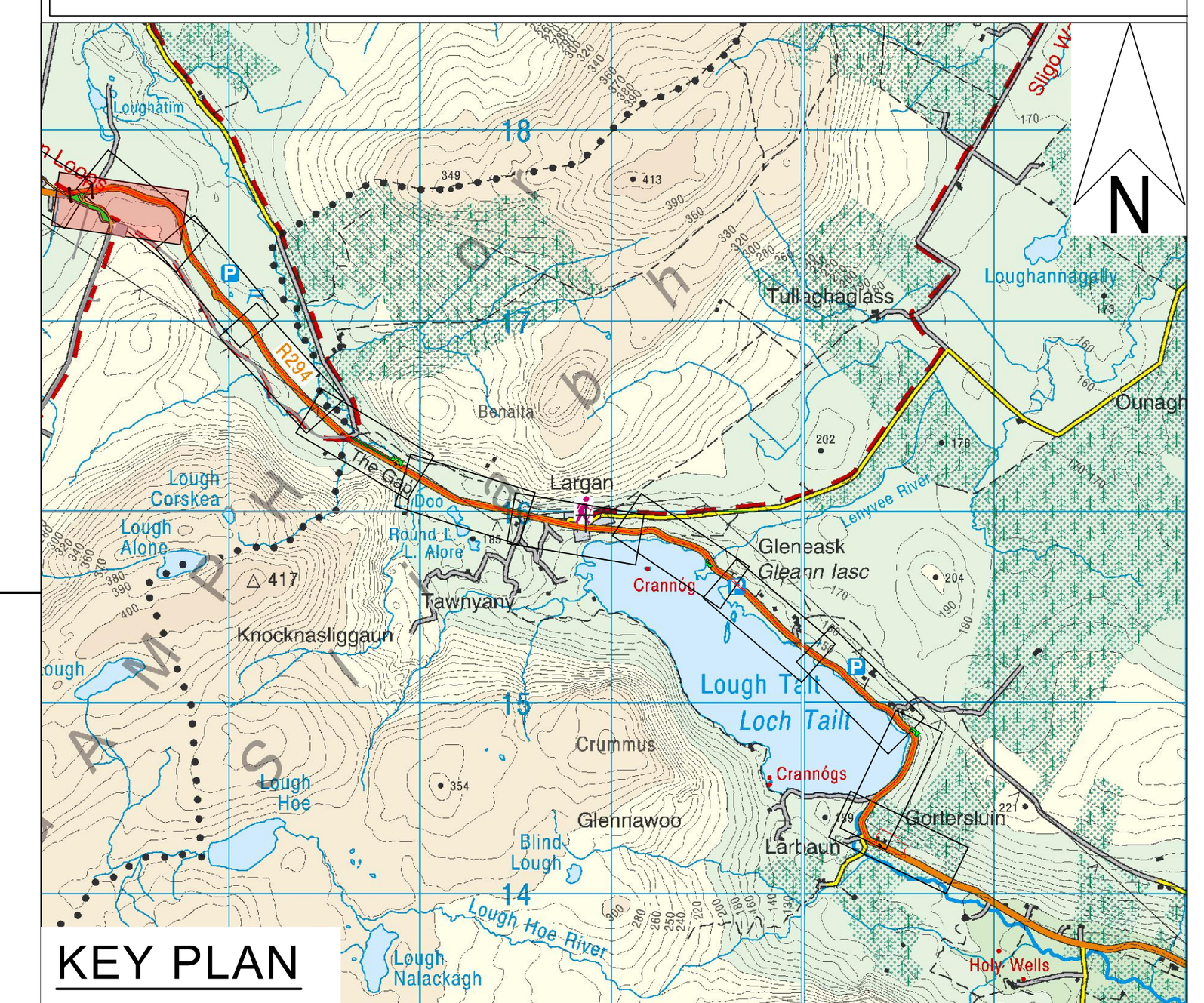
LEGEND:

PLAN

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

LONGITUDINAL SECTION

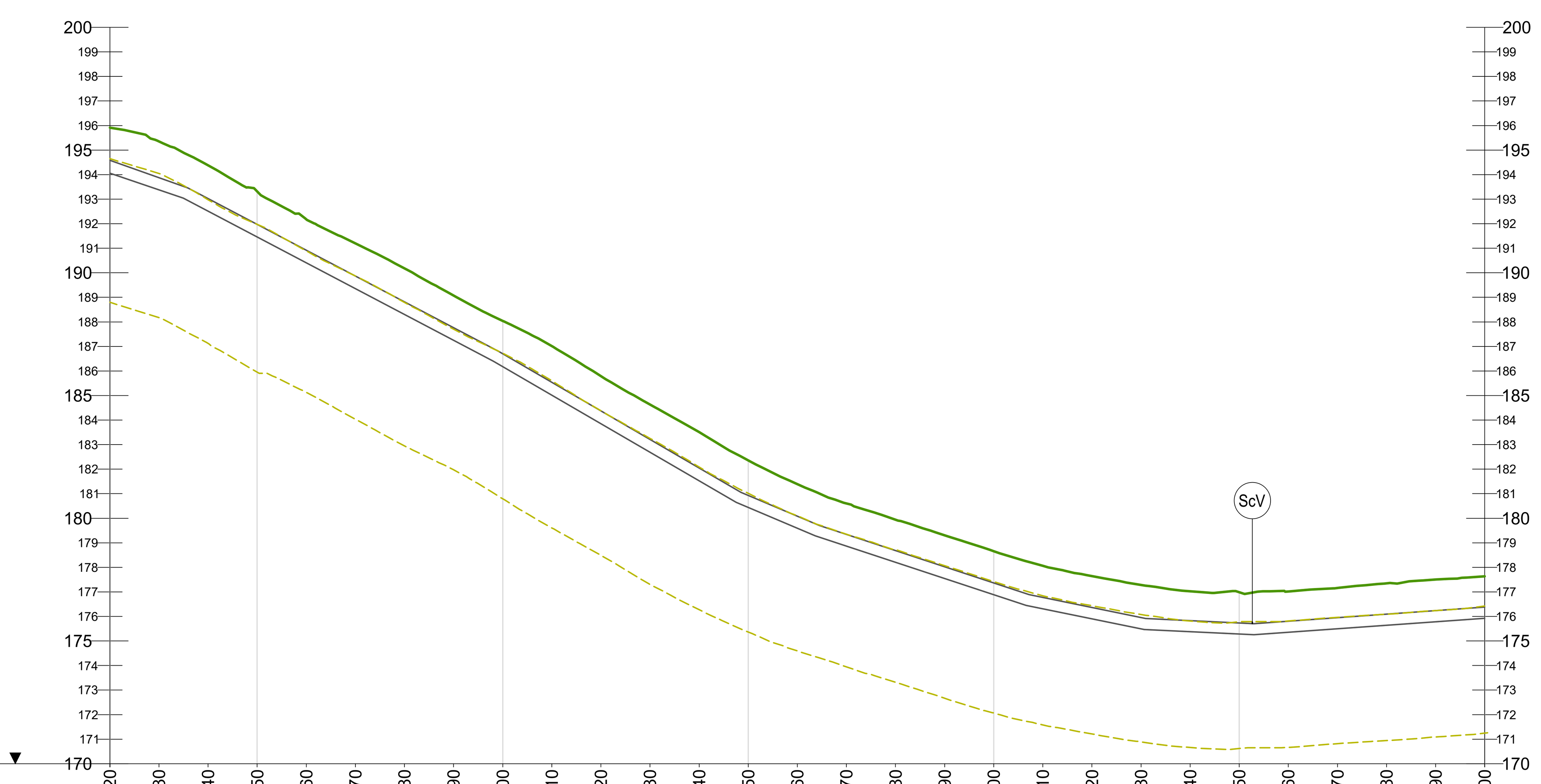
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1389.



CHAINAGE	23720	23730	23740	23750	23760	23770	23780	23790	23800	23810	23820	23830	23840	23850
GROUND LEVEL	195.91	195.35	194.38	193.31	192.18	191.20	190.18	189.07	188.04	187.01	185.79	184.63	183.51	182.36
COVER DEPTH	1.33	1.48	1.36	1.34	1.26	1.34	1.36	1.31	1.35	1.48	1.42	1.42	1.46	1.43
PIPE INVERT	194.06	193.38	192.52	191.46	190.41	189.36	188.30	187.25	186.18	185.01	183.85	182.69	181.53	180.44

CHAINAGE	23860	23870	23880	23890	23900	23910	23920	23930	23940	23950	23960	23970	23980	23990	24000
GROUND LEVEL	181.39	180.60	179.94	179.31	178.66	178.06	177.64	177.28	177.03	176.99	177.02	177.16	177.35	177.50	177.64
COVER DEPTH	1.30	1.26	1.26	1.29	1.30	1.29	1.28	1.33	1.19	1.25	1.21	1.21	1.26	1.27	1.26
PIPE INVERT	179.60	178.87	178.21	177.55	176.89	176.31	175.91	175.50	175.38	175.28	175.36	175.50	175.64	175.78	175.93

PIPE DATA	approximately 450mm nominal diameter OPEN CUT (23720 – 24000)
ROUTE INFO	PRIVATE ROAD (23720 – 24000)

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**

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: 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-211243 — Revision: C01

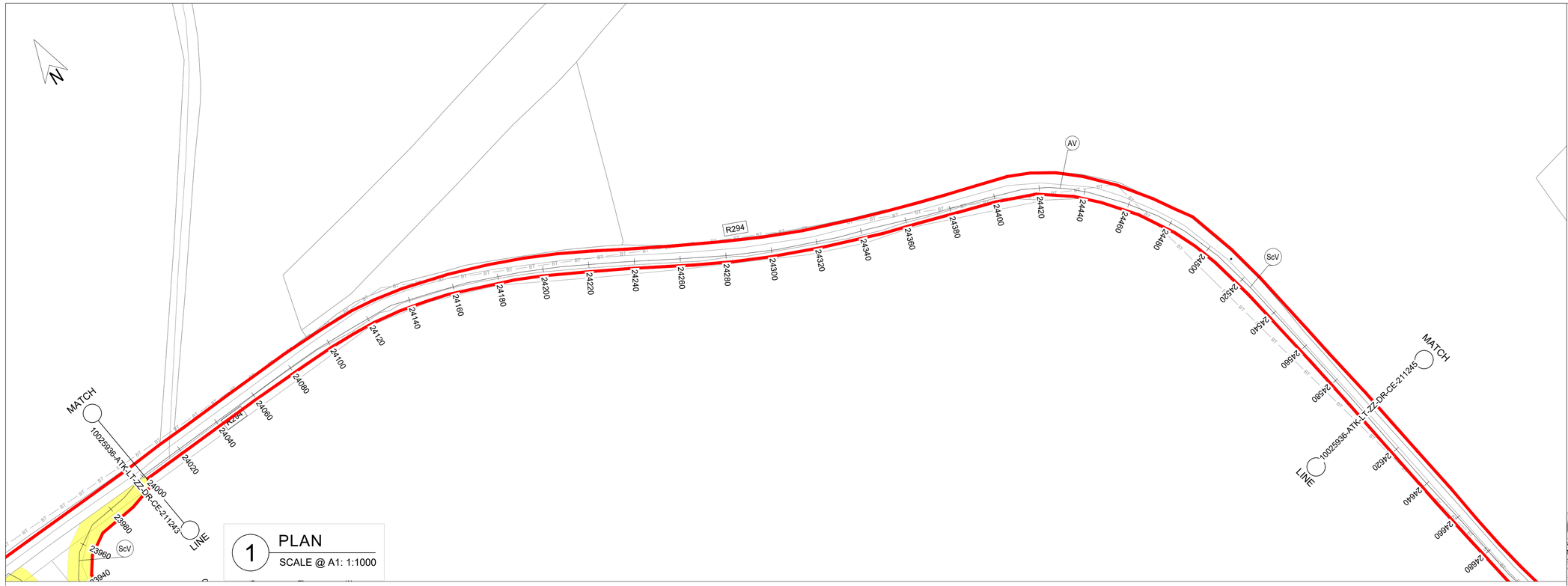
Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211243.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

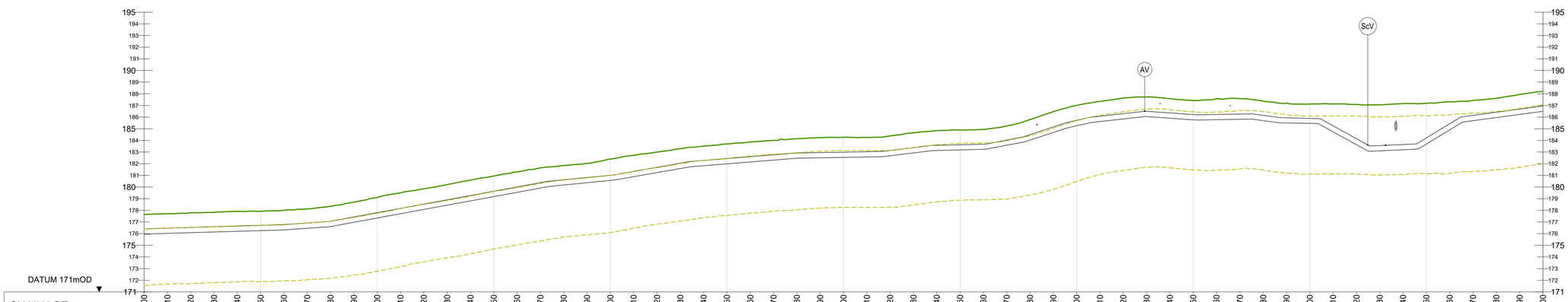
DO NOT SCALE

Millimetres 0 10 100



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1389.



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	187.57	187.35	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	1.26	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

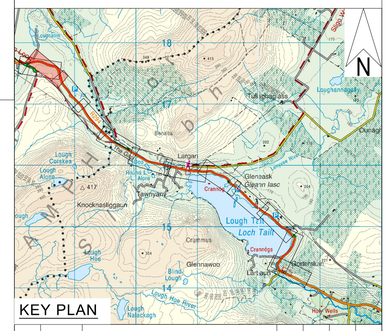
GENERAL NOTES

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 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)



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 44 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

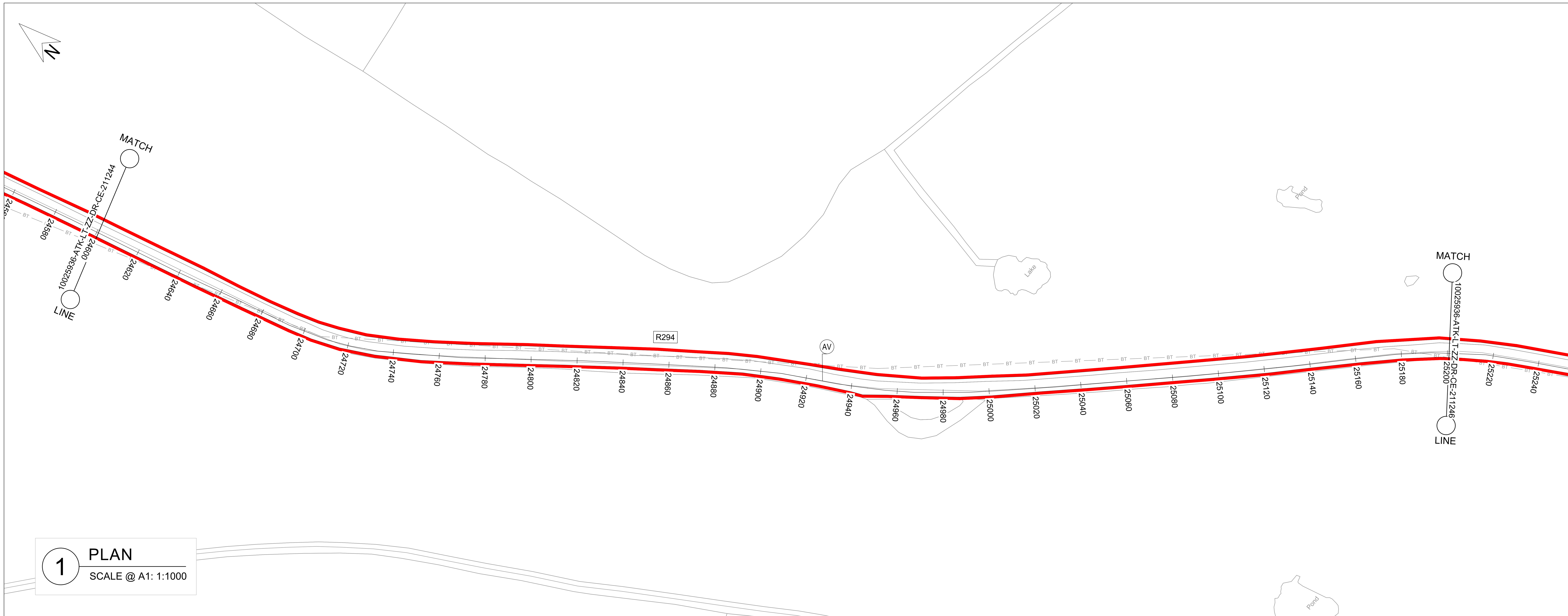
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211244
Revision: C01

Internal Project Number: 100089328

C:\Users\BEK32494\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\M-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211244.dwg

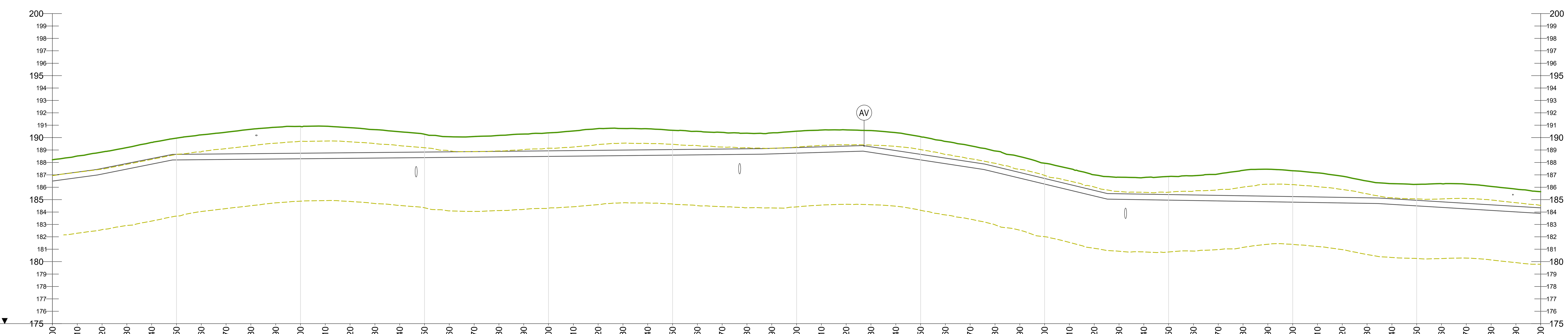
© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
24600	188.21	1.26	186.50
24610	188.52	1.30	186.77
24620	188.84	1.32	187.06
24630	189.20	1.28	187.46
24640	189.61	1.30	187.86
24650	189.96	1.31	18[illegible].20
24660	190.23	1.56	188.22
24670	190.44	1.75	188.24
24680	190.67	1.97	188.26
24690	190.84	2.12	188.27
24700	190.91	2.16	18[illegible].29
24710	190.92	2.16	188.31
24720	190.80	2.02	188.33
24730	190.65	1.85	188.35
24740	190.47	1.66	188.37
24750	190.28	1.44	18[illegible].39
24760	190.07	1.22	188.40
24770	190.09	1.22	188.42
24780	190.18	1.29	188.44
24790	190.29	1.37	188.46
24800	190.39	1.45	188.48
24810	190.54	1.59	188.50
24820	190.73	1.75	188.53
24830	190.74	1.74	188.55
24840	190.71	1.70	188.57
24850	190.59	1.55	188.59
24860	190.51	1.45	188.61
24870	190.42	1.34	188.63
24880	190.36	1.26	188.65
24890	190.38	1.25	188.69
24900	190.52	1.32	188.75
24910	190.61	1.35	188.81
24920	190.63	1.31	188.87
24930	190.57	1.31	188.81
24940	190.40	1.44	188.51
24950	190.08	1.42	188.20
24960	189.69	1.34	187.90
24970	189.35	1.30	187.60
24980	188.93	1.25	187.21
24990	188.47	1.28	186.73
25000	187.94	1.23	186.25
25010	187.51	1.28	185.77
25020	187.00	1.25	185.29
25030	186.81	1.33	185.02
25040	186.79	1.34	184.99
25050	186.87	1.46	184.96
25060	186.93	1.55	184.93
25070	187.07	1.72	184.89
25080	187.36	2.05	184.86
25090	187.45	2.17	184.83
25100	187.33	2.09	184.80
25110	187.16	1.95	184.76
25120	186.89	1.71	184.73
25130	186.50	1.35	184.70
25140	186.29	1.22	184.62
25150	186.23	1.28	184.50
25160	186.29	1.46	184.38
25170	186.25	1.55	184.25
25180	186.07	1.49	184.13
25190	185.85	1.39	184.01
25200	185.64	1.30	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

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 E
- 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 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 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

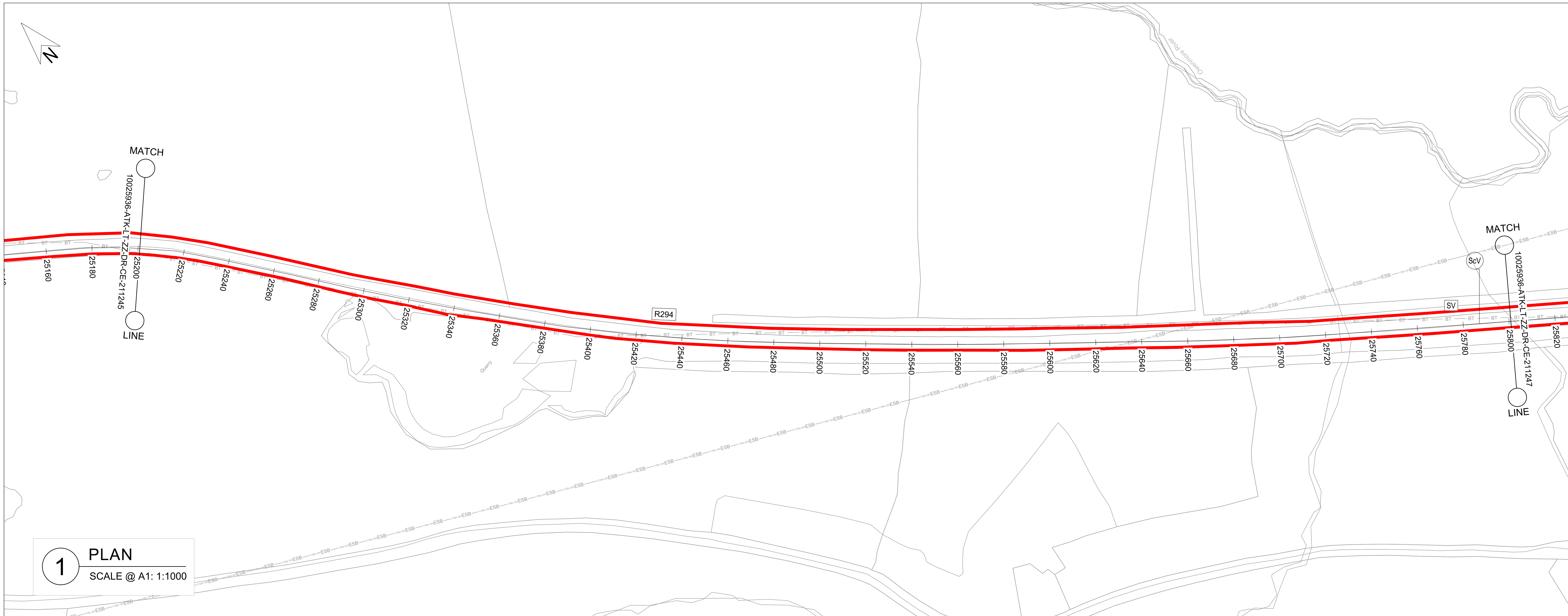
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211245
Revision: C01

Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211245.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE



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
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.

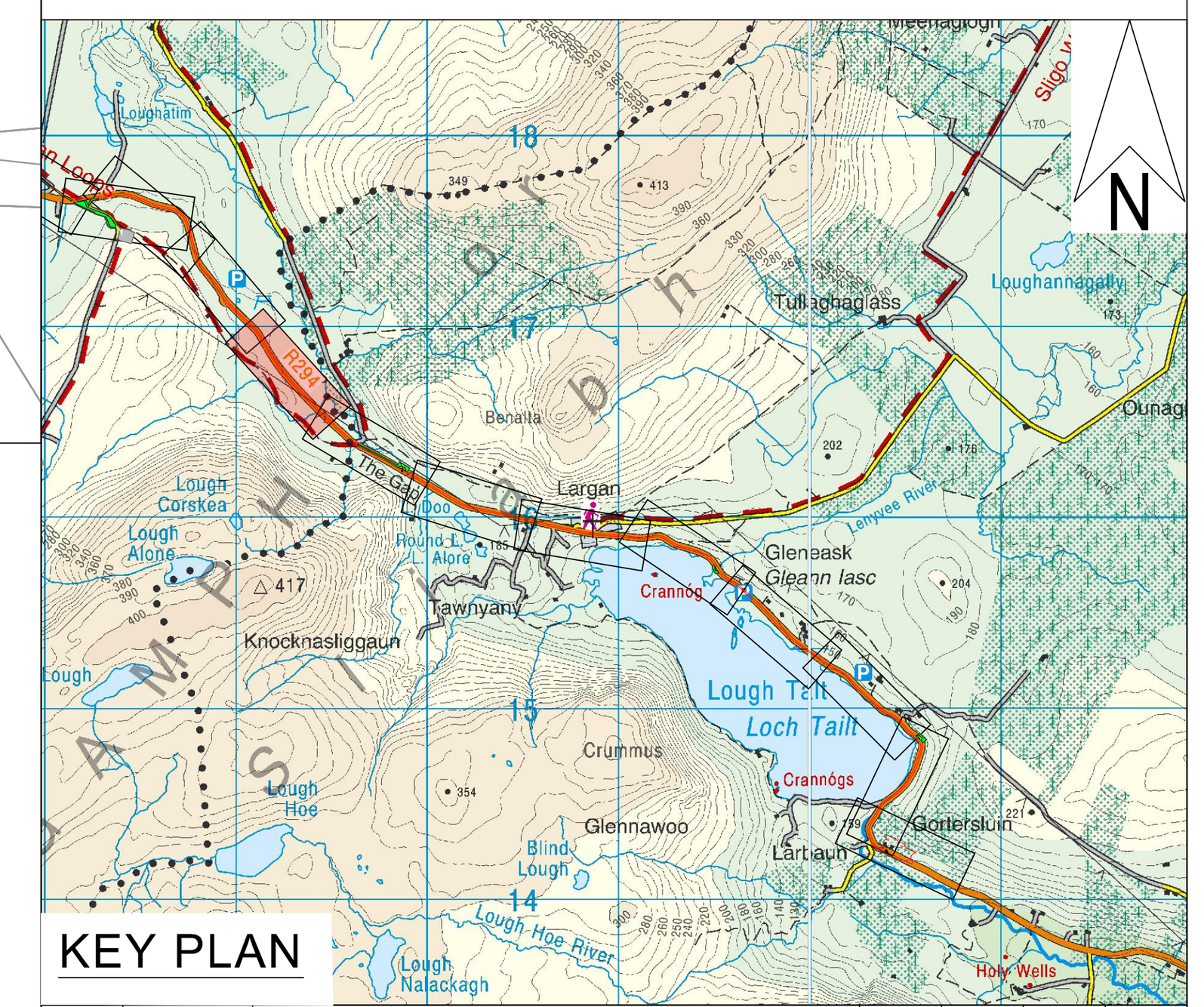
LEGEND:

PLAN

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

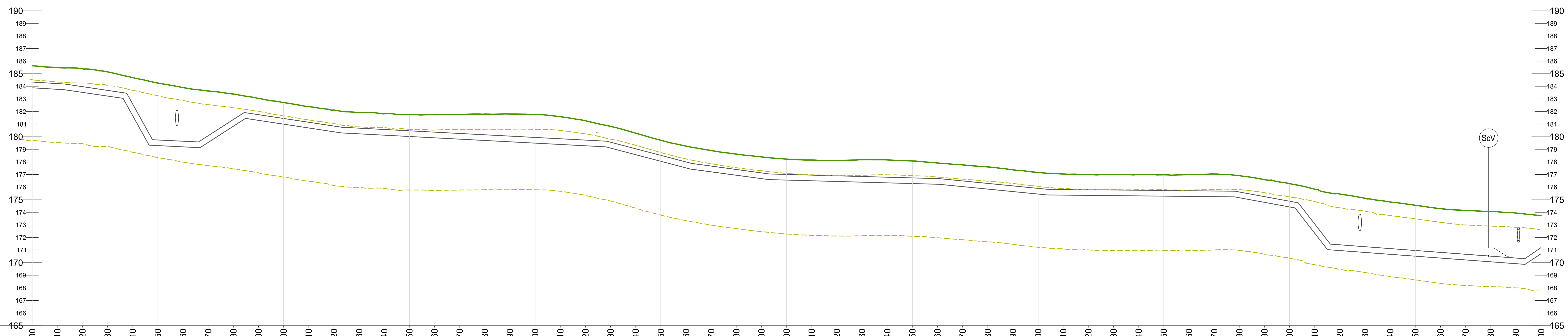
LONGITUDINAL SECTION

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



OSI Sheet No's:

1389.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
25200	185.64	1.30	183.89
25210	185.49	1.28	183.77
25220	185.40	1.42	183.52
25230	185.15	1.47	183.23
25240	184.70	2.11	181.67
25250	184.26	4.51	179.29
25260	183.90	4.26	179.20
25270	183.63	3.55	179.55
25280	183.39	2.02	180.83
25290	183.05	1.29	181.30
25300	182.71	1.26	180.99
25310	182.39	1.24	180.69
25320	182.12	1.27	180.39
25330	181.92	1.24	180.23
25340	181.82	1.25	180.12
25350	181.78	1.31	180.02
25360	181.75	1.39	179.91
25370	181.77	1.51	179.81
25380	181.80	1.64	179.70
25390	181.80	1.76	179.59
25400	181.77	1.83	179.49
25410	181.59	1.76	179.38
25420	181.27	1.54	179.28
25430	180.82	1.26	179.09
25440	180.28	1.24	178.57
25450	179.72	1.20	178.05
25460	179.25	1.26	177.53
25470	178.90	1.23	177.21
25480	178.62	1.22	176.95
25490	178.40	1.27	176.68
25500	178.22	1.21	176.56
25510	178.15	1.20	176.50
25520	178.12	1.22	176.45
25530	178.17	1.33	176.39
25540	178.16	1.37	176.34
25550	178.08	1.35	176.28
25560	177.91	1.24	176.22
25570	177.76	1.28	176.04
25580	177.60	1.31	175.84
25590	177.37	1.27	175.65
25600	177.17	1.26	175.45
25610	177.04	1.22	175.37
25620	177.01	1.21	175.35
25630	176.98	1.21	175.33
25640	176.99	1.24	175.31
25650	176.97	1.24	175.28
25660	176.99	1.28	175.26
25670	177.04	1.35	175.24
25680	176.92	1.30	175.16
25690	176.59	1.35	174.79
25700	176.28	1.40	174.42
25710	175.84	2.77	172.34
25720	175.45	4.03	170.96
25730	175.12	3.86	170.81
25740	174.82	3.71	170.66
25750	174.56	3.59	170.51
25760	174.29	3.47	170.37
25770	174.15	3.48	170.22
25780	174.08	3.56	170.07
25790	173.94	3.57	169.92
25800	173.73	2.54	170.71

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**

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 46 OF 54

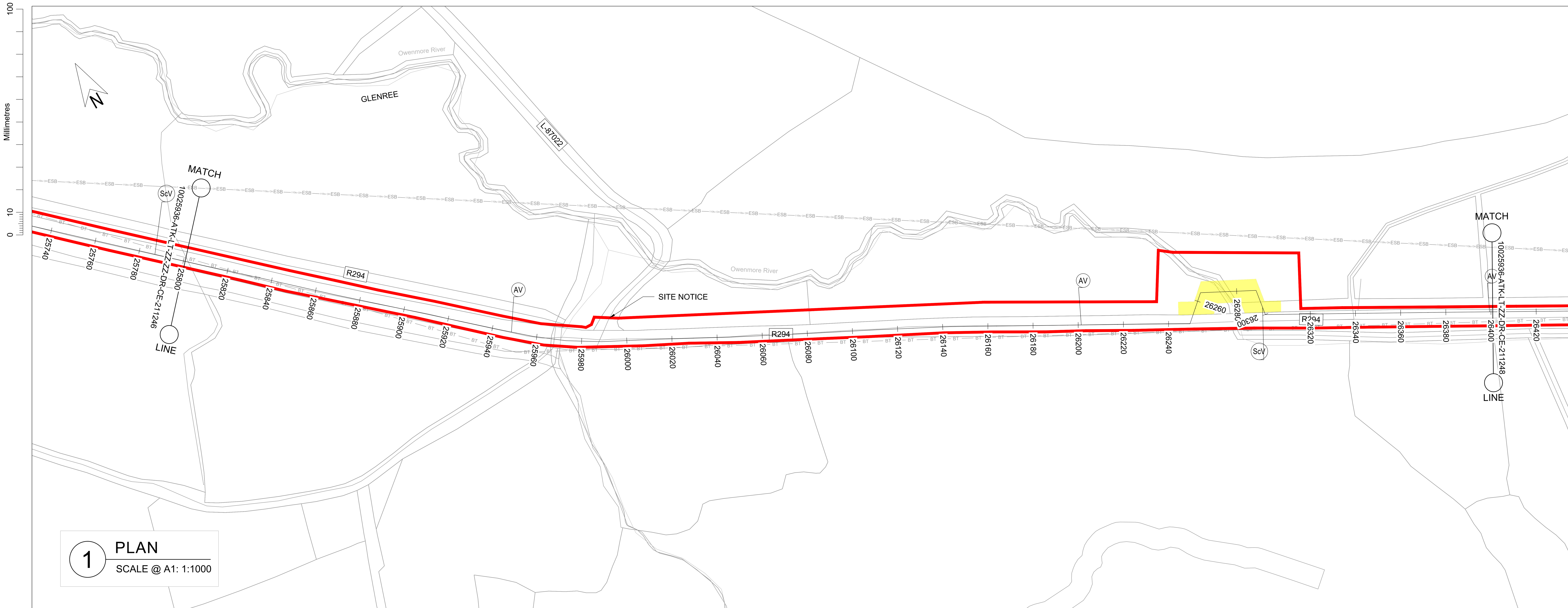
Scale	Drawn	Checked	Reviewed	Authorised
AS INDICATED	SB	ABM	MMcE	TM
Original Size A1	Date 31.08.26	Date 31.08.26	Date 31.08.26	Date 31.08.26

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

Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211246.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:



1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1389.

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.

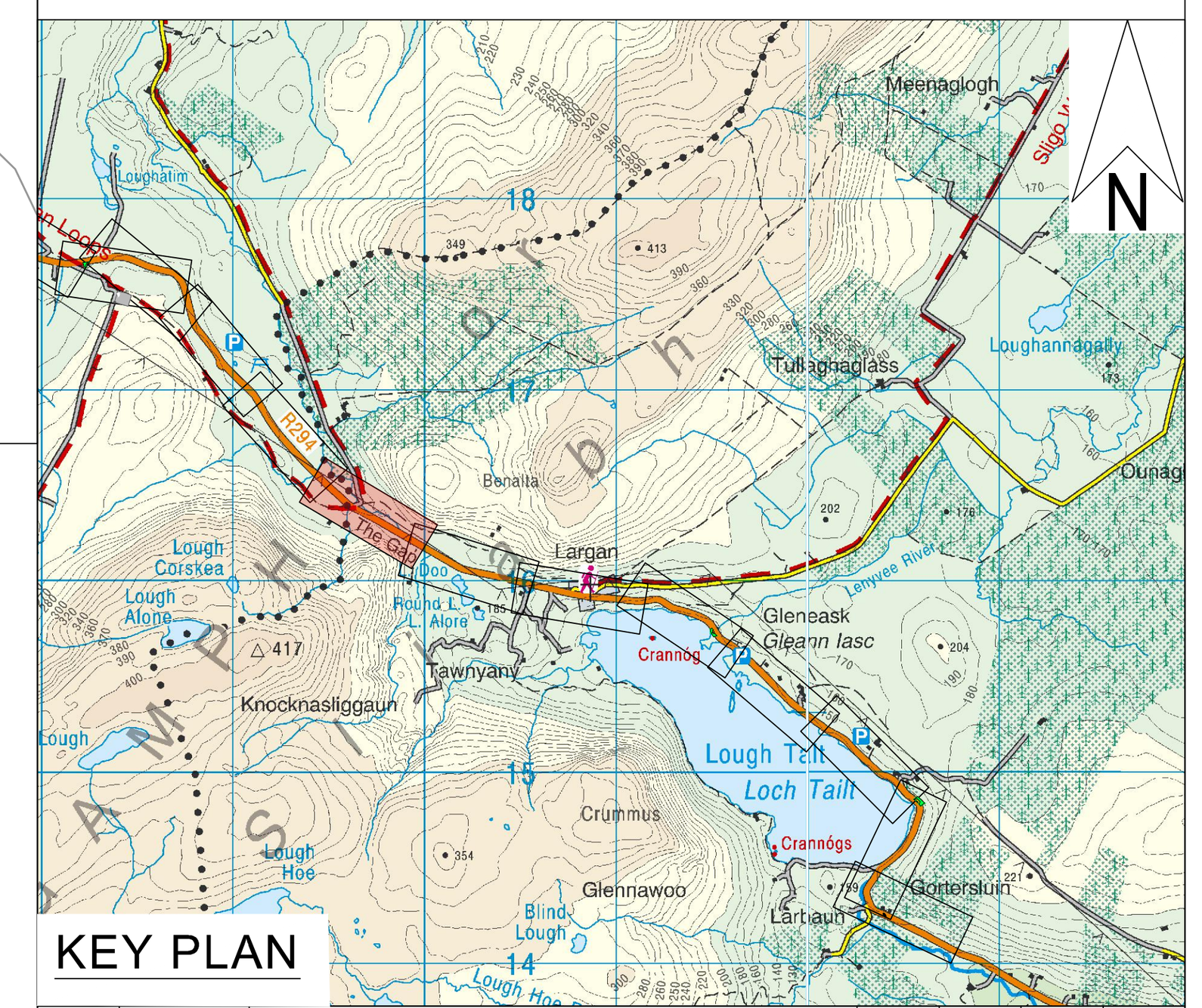
LEGEND:

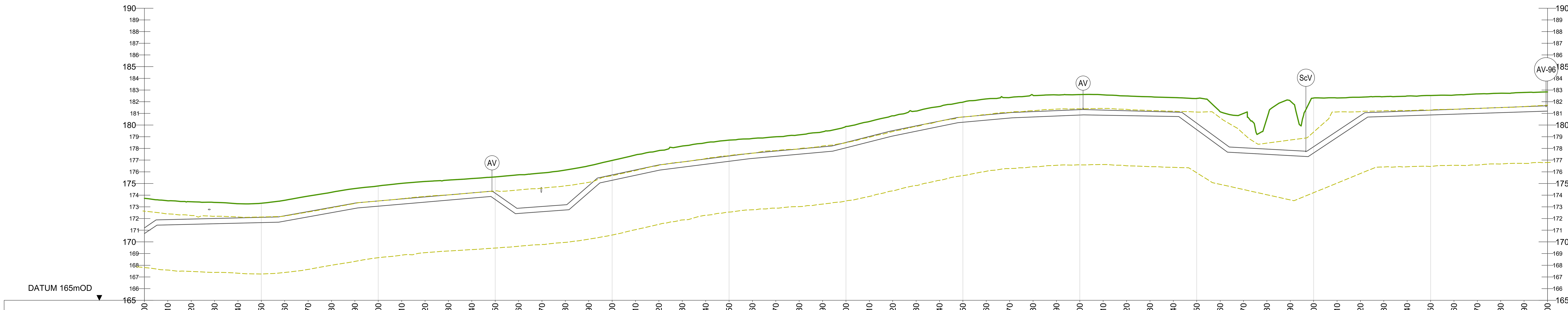
PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — WM — EXISTING WATERMAIN
- FW — FW — EXISTING FOUL SEWER
- ESB MV UG — EXISTING ESB MV UNDERGROUND
- ESB LV UG — EXISTING ESB LV UNDERGROUND
- ESB 110kv OH — EXISTING ESB HV OVERHEAD
- GAS DMP — EXISTING GAS
- EIR — EXISTING EIRCOM
- TU — 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)





CHAINAGE	25800	25810	25820	25830	25840	25850	25860	25870	25880	25890	25900	25910	25920	25930	25940
GROUND LEVEL	173.73	173.52	173.44	173.38	173.27	173.31	173.56	173.92	174.25	174.57	174.79	175.01	175.17	175.29	175.42
COVER DEPTH	2.54	1.61	1.48	1.37	1.21	1.21	1.32	1.32	1.29	1.25	1.28	1.33	1.32	1.27	1.23
PIPE INVERT	170.71	171.46	171.51	171.56	171.60	171.65	171.78	172.14	172.50	172.86	173.06	173.23	173.40	173.57	173.75

CHAINAGE	25950	25960	25970	25980	25990	26000	26010	26020	26030	26040	26050	26060	26070	26080	26090
GROUND LEVEL	175.56	175.74	175.90	176.15	176.51	176.97	177.44	177.82	178.20	178.49	178.71	178.85	179.00	179.17	179.42
COVER DEPTH	1.39	2.86	2.87	2.97	1.69	1.24	1.28	1.23	1.36	1.39	1.36	1.26	1.22	1.21	1.29
PIPE INVERT	173.63	172.43	172.58	172.73	174.22	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	26200	26210	26220	26230	26240
GROUND LEVEL	179.89	180.30	180.79	181.20	181.59	181.96	182.24	182.35	182.55	182.58	182.61	182.59	182.49	182.42	182.35
COVER DEPTH	1.37	1.28	1.27	1.27	1.25	1.27	1.36	1.30	1.40	1.35	1.30	1.31	1.26	1.25	1.24
PIPE INVERT	178.05	178.56	179.06	179.47	179.88	180.24	180.42	180.60	180.70	180.78	180.86	180.85	180.81	180.77	180.74

CHAINAGE	26250	26260	26270	26280	26290	26300	26310	26320	26330	26340	26350	26360	26370	26380	26390	26400
GROUND LEVEL	182.28	181.15	181.00	180.57	182.06	182.32	182.32	182.39	182.43	182.49	182.53	182.56	182.67	182.73	182.79	182.84
COVER DEPTH	2.12	2.45	2.94	2.62	4.23	4.17	2.84	1.57	1.31	1.29	1.26	1.22	1.25	1.23	1.22	1.19
PIPE INVERT	179.60	178.14	177.61	177.49	177.38	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

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 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

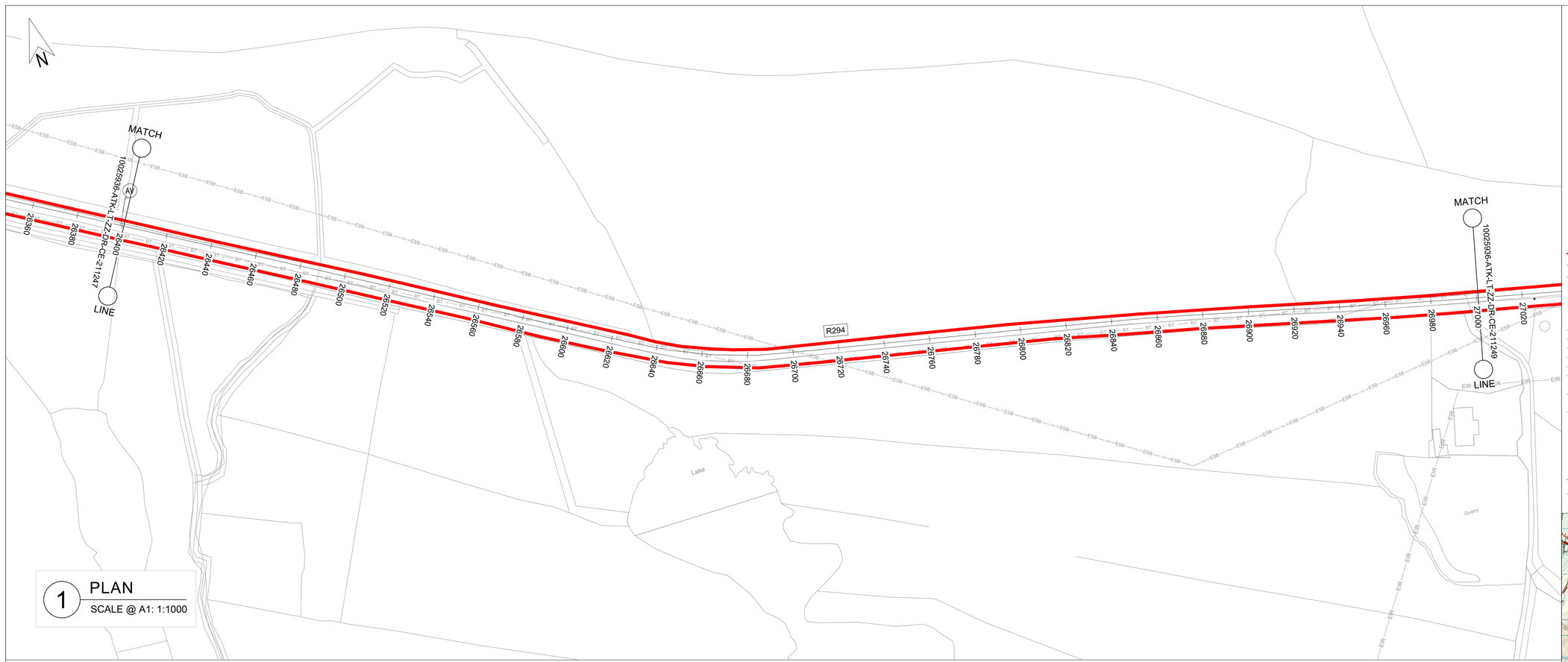
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211247 — Revision: C01

Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211247.dwg

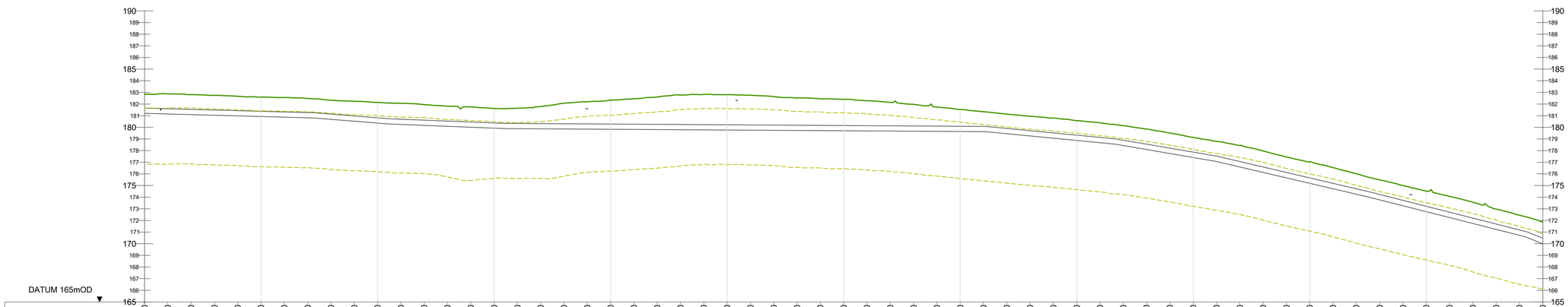
© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1388, 1455.



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	182.84 182.87 182.81 182.75 182.67 182.59 182.56 182.48 182.33 182.24 182.14 182.06 181.95 181.82 181.75 181.62 181.64 181.79 182.07 182.19 182.33 182.45 182.60 182.78 182.83 182.81 182.76 182.64 182.52 182.45 182.40 181.97 181.74 181.53 181.34 181.13 180.95 180.79 180.58 180.39 180.14 179.86 179.50 179.13 178.79 178.44 177.97 177.46 177.02 176.54 176.01 175.49 175.00 174.53 174.07 173.57 172.97 172.45 171.85
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	181.20 181.14 181.09 181.04 180.98 180.93 180.87 180.82 180.69 180.53 180.37 180.25 180.17 180.09 180.01 179.93 179.88 179.87 179.85 179.84 179.83 179.82 179.80 179.79 179.78 179.76 179.75 179.74 179.73 179.71 179.70 179.69 179.68 179.66 179.65 179.64 179.62 179.45 179.26 179.06 178.87 178.68 178.43 178.09 177.75 177.41 177.06 176.60 176.13 175.66 175.19 174.72 174.26 173.77 173.26 172.75 172.25 171.74 171.23 170.72 169.99
PIPE DATA	approximately 450mm nominal diameter OPEN CUT
ROUTE INFO	ROAD

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

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.

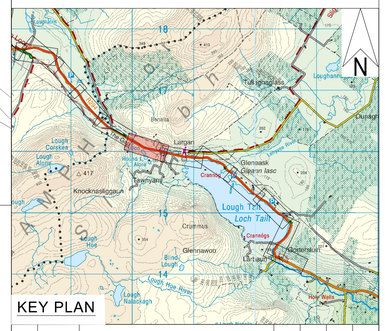
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE 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

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 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

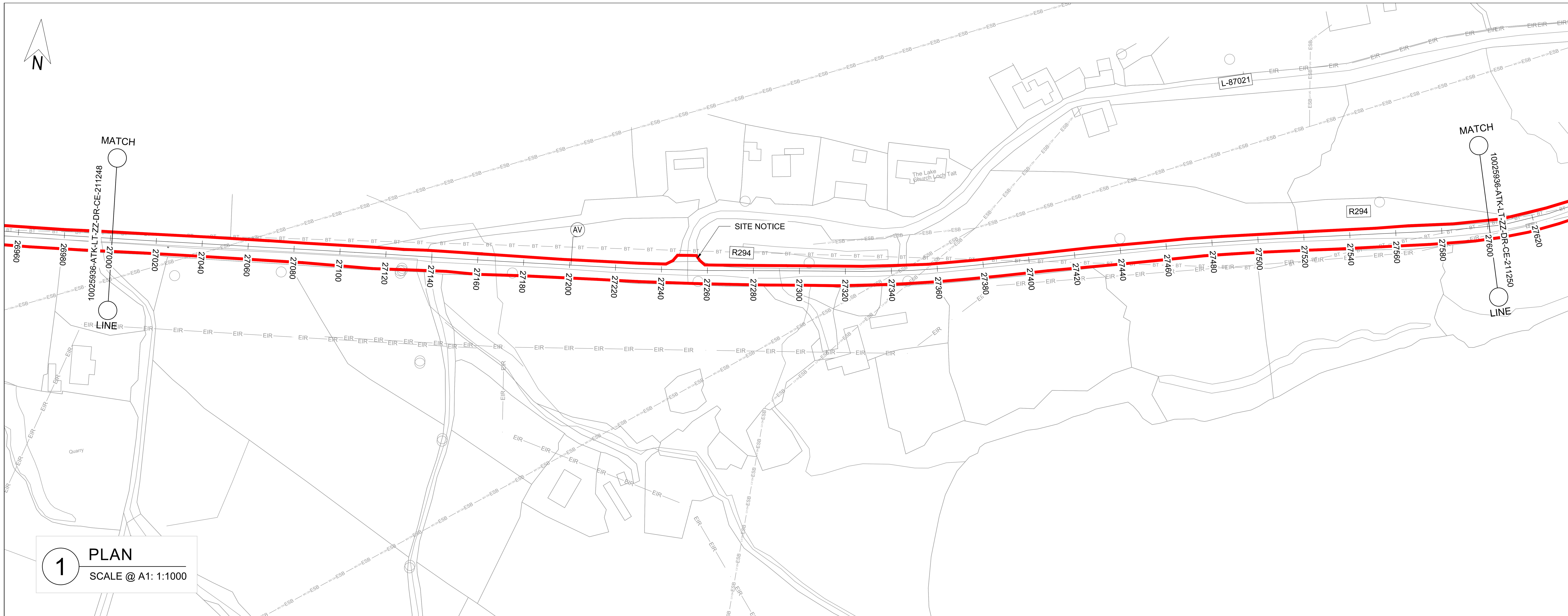
Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-MRFW-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211248.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE

Millimetres 0 10 100

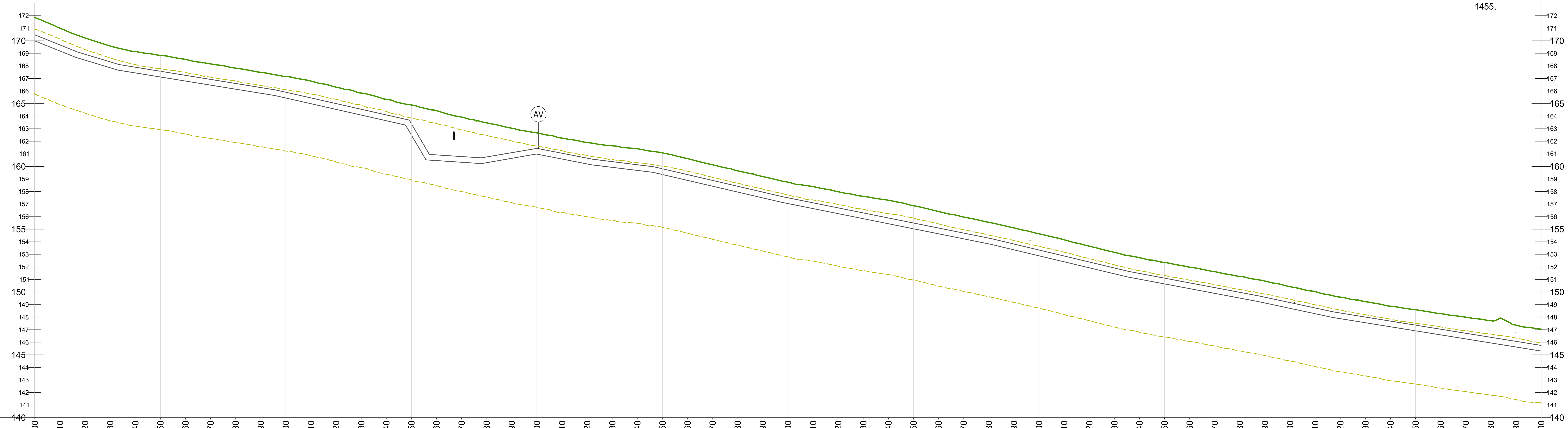


1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1455.



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

PIPE DATA: approximately 450mm 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
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.

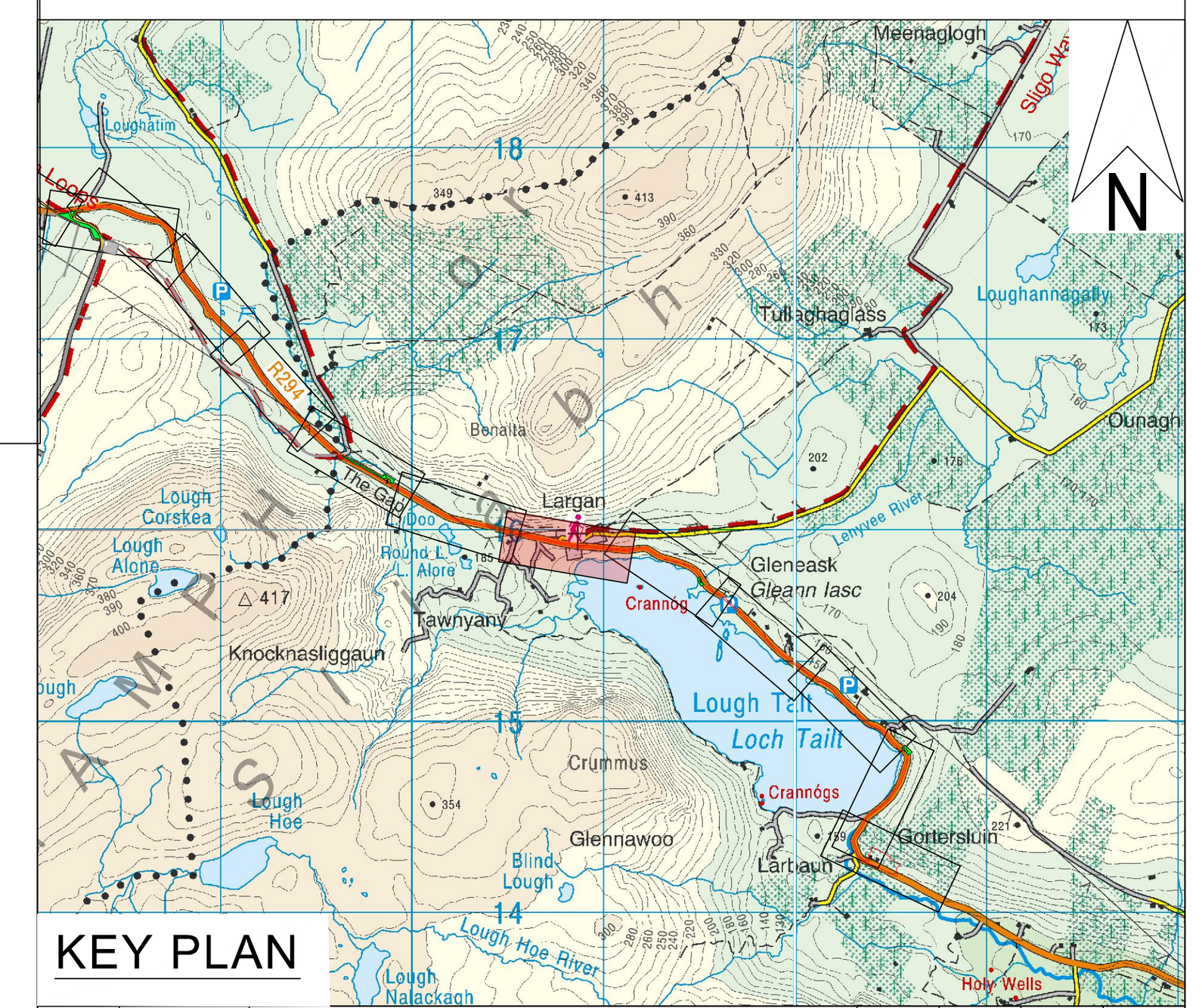
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE E
- INDICATIVE PROPOSED WAYLEAVE
- PROPOSED TRENCHLESS SECTION
- PROPOSED SITE COMPOUNDS
- WM — WM: EXISTING WATERMAIN
- FW — FW: EXISTING FOUL SEWER
- ESB MV UG: EXISTING ESB MV UNDERGROUND
- ESB LV UG: EXISTING ESB LV UNDERGROUND
- ESB 110kv OH: EXISTING ESB HV OVERHEAD
- GAS DMP: EXISTING GAS
- EIR: EXISTING EIRCOM
- TU — 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**

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 49 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-211249

Revision: C01

Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211249.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

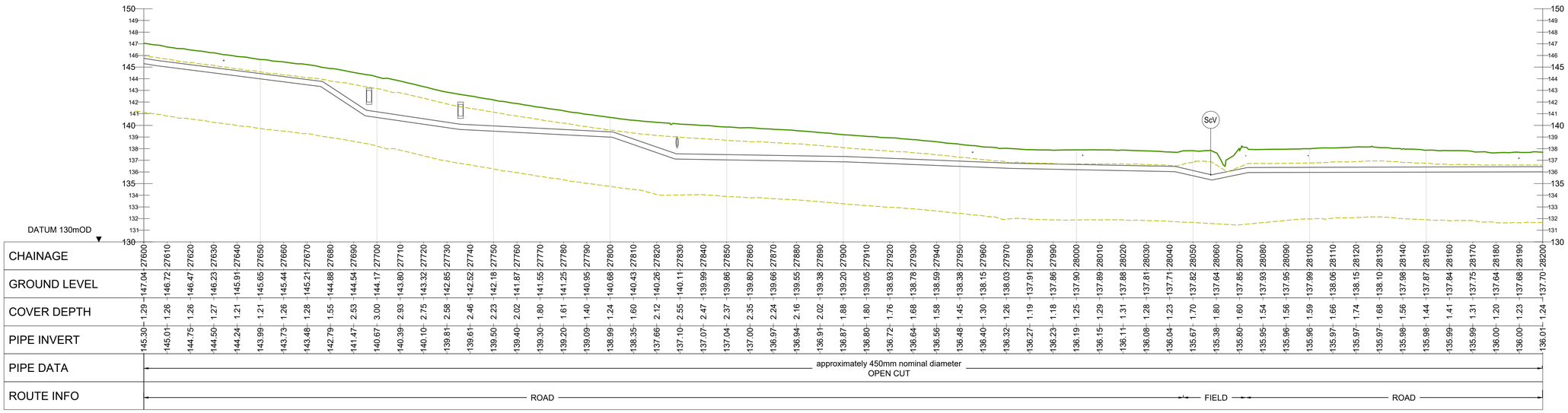
DO NOT SCALE

Millimetres 0 10 100



1 PLAN
SCALE @ A1: 1:1000

OSI Sheet No's:
1455.



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.

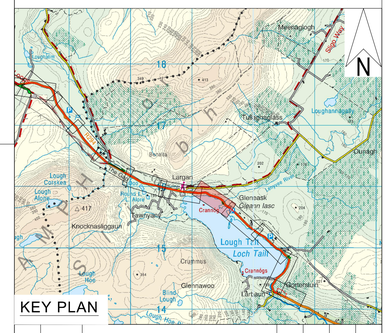
LEGEND:

PLAN

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



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 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

C:\Users\BEVG3249\OC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WP\WA-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211250.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT.

DO NOT SCALE



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
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.

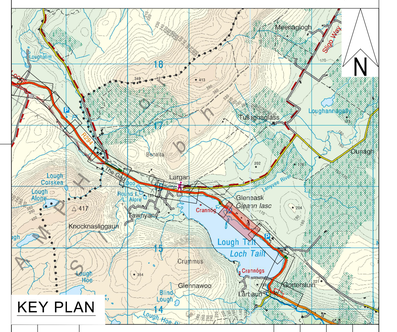
LEGEND:

PLAN

- RED LINE BOUNDARY
- PROPOSED PIPELINE A
- PROPOSED PIPELINE 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

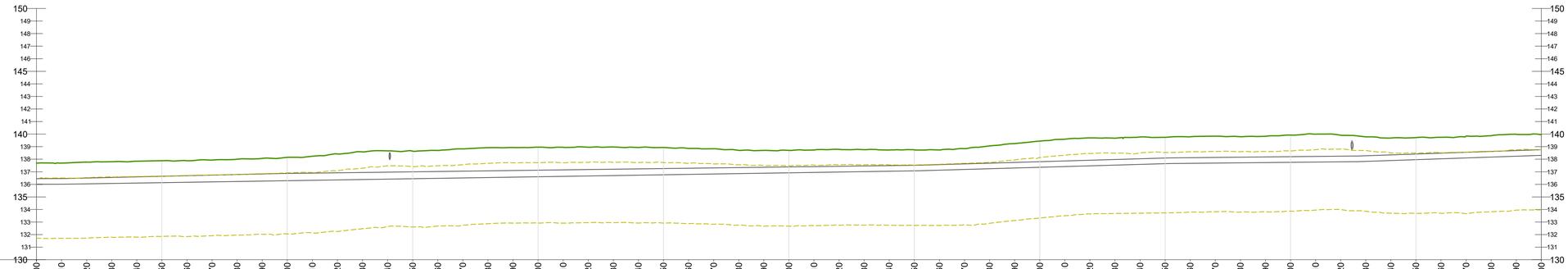
- EXISTING GROUND LEVEL
- MINIMUM COVER DEPTH (0.9 m IN THE FIELD AND 1.2m FOR ROAD) AND MAXIMUM INVERT DEPTH (6.0 m)



KEY PLAN

OSI Sheet No's:

1455,1456.



CHAINAGE	28200	28210	28220	28230	28240	28250	28260	28270	28280	28290	28300	28310	28320	28330	28340	28350	28360	28370	28380	28390	28400	28410	28420	28430	28440	28450	28460	28470	28480	28490	28500	28510	28520	28530	28540	28550	28560	28570	28580	28590	28600	28610	28620	28630	28640	28650	28660	28670	28680	28690	28700	28710	28720	28730	28740	28750	28760	28770	28780	28790	28800
GROUND LEVEL	137.70	137.70	137.77	137.80	137.85	137.88	137.88	137.93	138.00	138.07	138.15	138.24	138.42	138.58	138.67	138.65	138.70	138.83	138.92	138.93	138.96	138.95	138.96	138.97	138.94	138.94	138.86	138.84	138.71	138.71	138.71	138.73	138.79	138.76	138.74	138.75	138.74	138.84	139.06	139.25	139.45	139.60	139.70	139.67	139.77	139.75	139.79	139.84	139.79	139.83	139.92	139.99	139.91	139.78	139.69	139.72	139.75	139.83	139.87	139.99	139.96
COVER DEPTH	1.24	1.23	1.27	1.26	1.25	1.24	1.19	1.20	1.22	1.24	1.28	1.34	1.50	1.64	1.69	1.65	1.68	1.78	1.84	1.83	1.83	1.80	1.78	1.77	1.71	1.68	1.57	1.53	1.38	1.35	1.32	1.32	1.35	1.29	1.38	1.24	1.17	1.22	1.38	1.51	1.64	1.74	1.78	1.70	1.74	1.65	1.67	1.69	1.63	1.64	1.72	1.77	1.67	1.50	1.34	1.31	1.26	1.28	1.25	1.29	1.20
PIPE INVERT	136.01	136.01	136.04	136.07	136.10	136.13	136.17	136.20	136.23	136.26	136.29	136.32	136.35	136.39	136.42	136.45	136.48	136.51	136.54	136.58	136.61	136.64	136.67	136.70	136.73	136.76	136.80	136.83	136.86	136.89	136.92	136.95	136.99	137.02	137.05	137.08	137.13	137.19	137.25	137.30	137.36	137.42	137.47	137.53	137.59	137.64	137.67	137.69	137.71	137.73	137.75	137.77	137.79	137.83	137.90	137.97	138.04	138.10	138.17	138.24	138.31
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 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 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: 100089328

C:\Users\BEVC3249\OC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\M-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211251.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT.

DO NOT SCALE



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

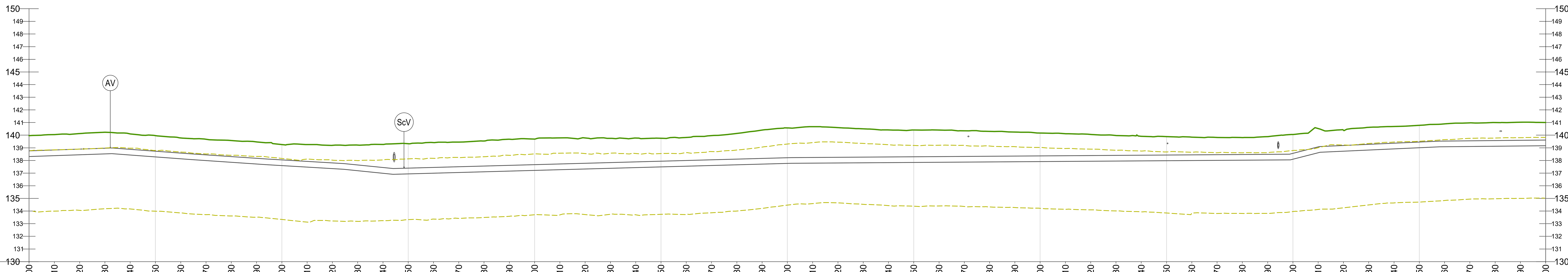
LONGITUDINAL SECTION

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



KEY PLAN

OSI Sheet No's:
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

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 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

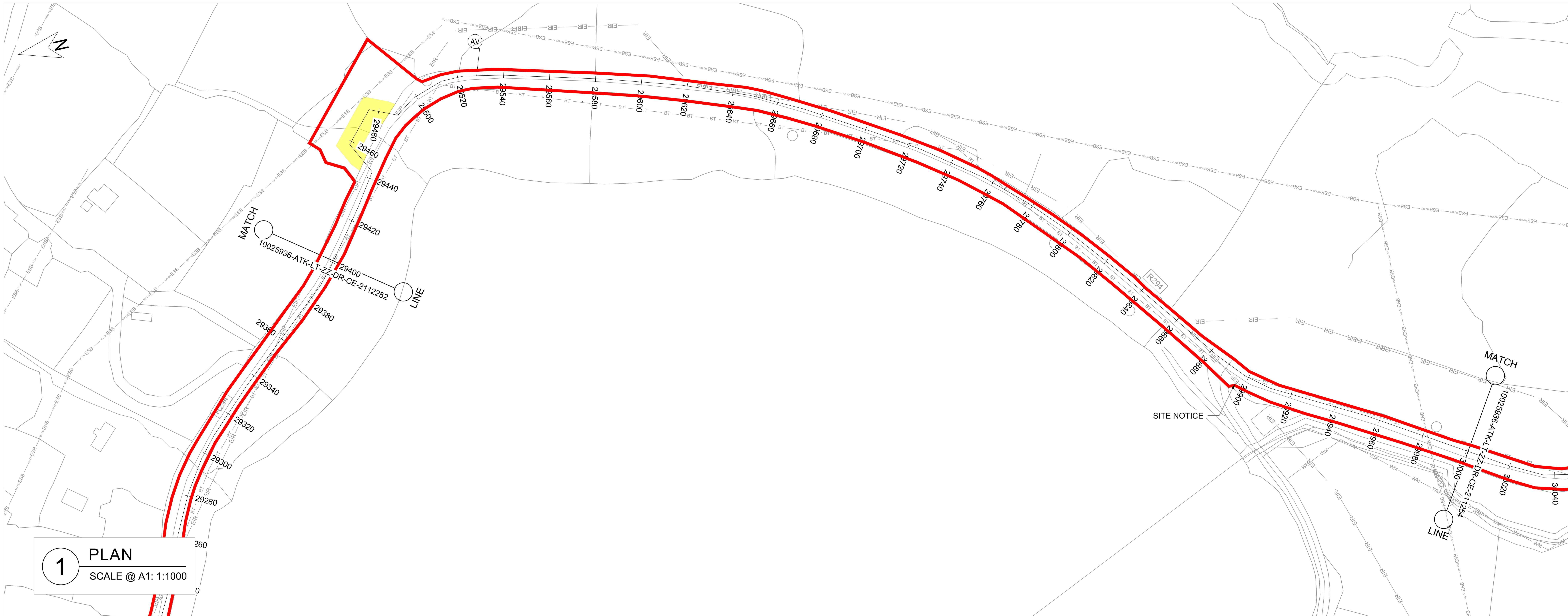
Drawing Number: 10025936-ATK-LT-ZZ-DR-CE-211252 — Revision: C01

Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211252.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE

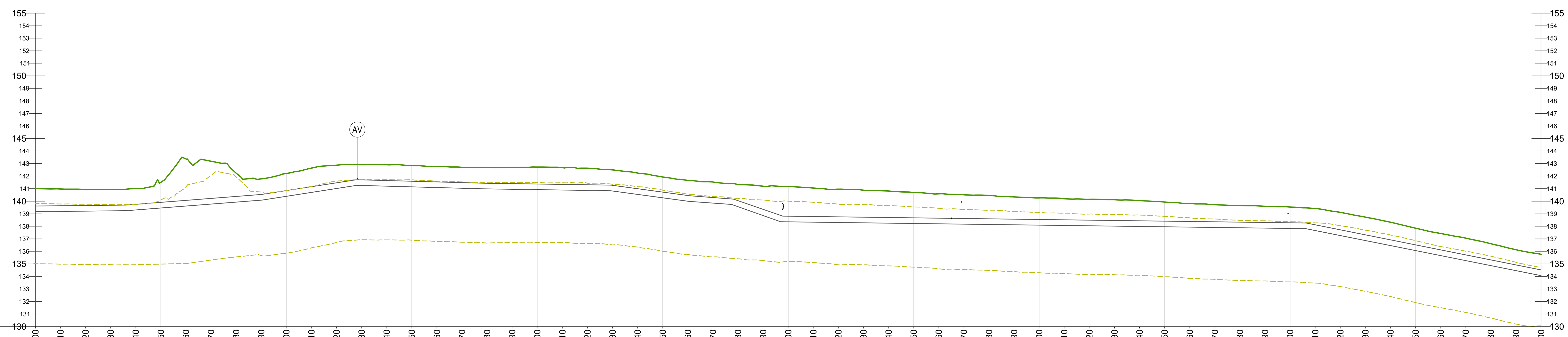


1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1456.



CHAINAGE	GROUND LEVEL	COVER DEPTH	PIPE INVERT
29400	141.00	1.39	139.17
29410	140.98	1.34	139.19
29420	140.94	1.29	139.21
29430	140.93	1.26	139.23
29440	141.01	1.26	139.30
29450	141.51	1.60	139.46
29460	143.38	3.31	139.61
29470	143.19	2.97	139.77
29480	142.24	1.86	139.93
29490	141.78	1.24	140.09
29500	142.21	1.36	140.39
29510	142.64	1.48	140.70
29520	142.87	1.40	141.01
29530	142.91	1.20	141.26
29540	142.90	1.25	141.20
29550	142.84	1.24	141.15
29560	142.77	1.23	141.09
29570	142.70	1.22	141.04
29580	142.69	1.26	140.98
29590	142.68	1.28	140.95
29600	142.72	1.35	140.92
29610	142.67	1.33	140.89
29620	142.64	1.32	140.86
29630	142.50	1.23	140.82
29640	142.25	1.25	140.54
29650	141.93	1.20	140.27
29660	141.67	1.21	140.00
29670	141.54	1.24	139.85
29680	141.34	1.30	139.56
29690	141.19	1.84	138.86
29700	141.18	2.37	138.36
29710	141.05	2.27	138.33
29720	140.96	2.21	138.30
29730	140.88	2.16	138.28
29740	140.81	2.11	138.25
29750	140.69	2.02	138.22
29760	140.59	1.94	138.20
29770	140.51	1.89	138.17
29780	140.46	1.87	138.15
29790	140.34	1.77	138.12
29800	140.26	1.72	138.09
29810	140.19	1.67	138.07
29820	140.15	1.66	138.04
29830	140.12	1.66	138.01
29840	140.05	1.61	137.99
29850	139.94	1.52	137.96
29860	139.82	1.43	137.94
29870	139.72	1.36	137.91
29880	139.66	1.32	137.88
29890	139.59	1.28	137.86
29900	139.54	1.25	137.83
29910	139.42	1.29	137.66
29920	139.11	1.39	137.26
29930	138.73	1.41	136.86
29940	138.32	1.40	136.46
29950	137.85	1.33	136.06
29960	137.43	1.30	135.66
29970	137.06	1.34	135.26
29980	136.61	1.29	134.86
29990	136.13	1.21	134.46
30000	135.76	1.24	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

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.

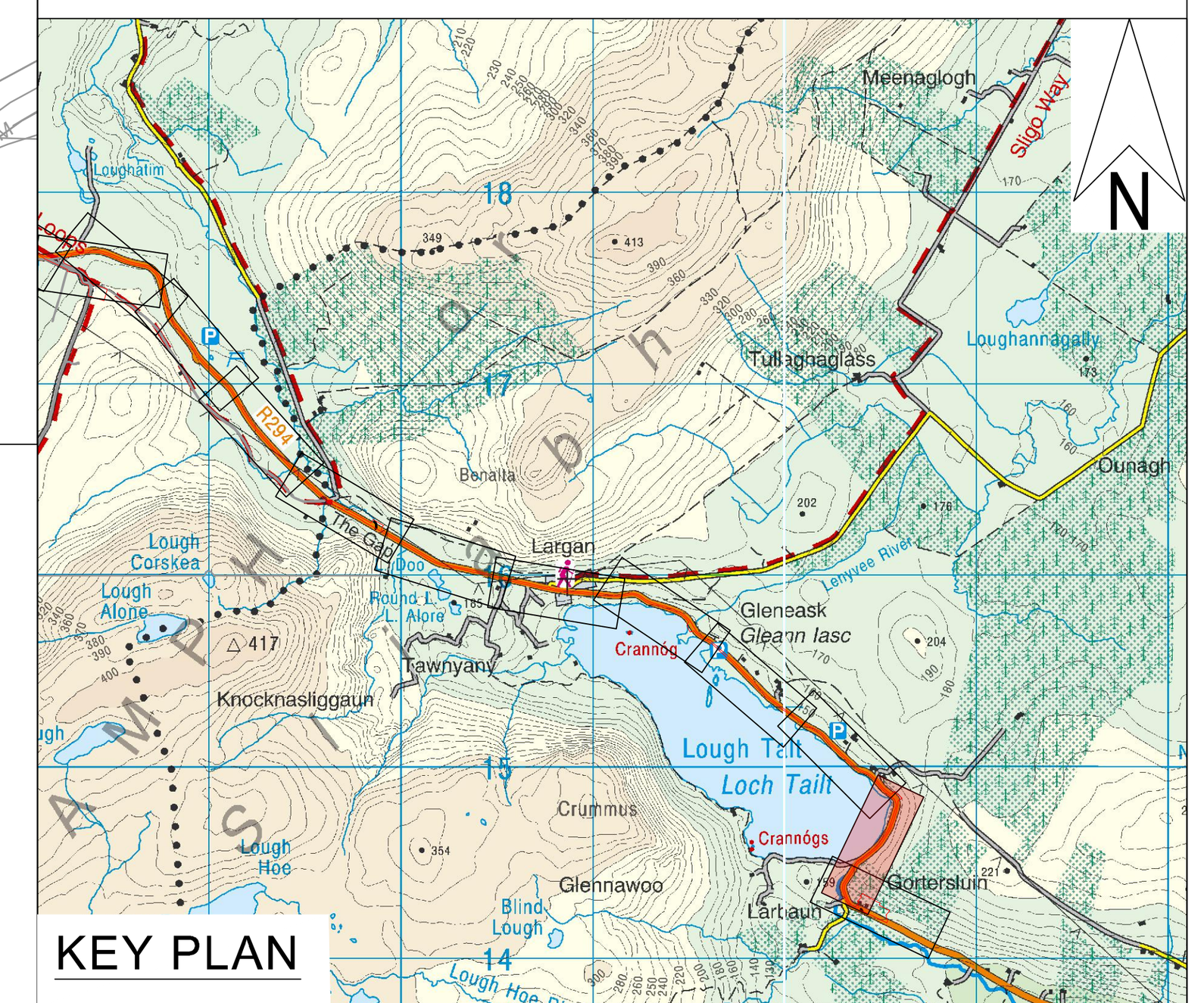
LEGEND:

PLAN

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

LONGITUDINAL SECTION

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



KEY PLAN

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 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

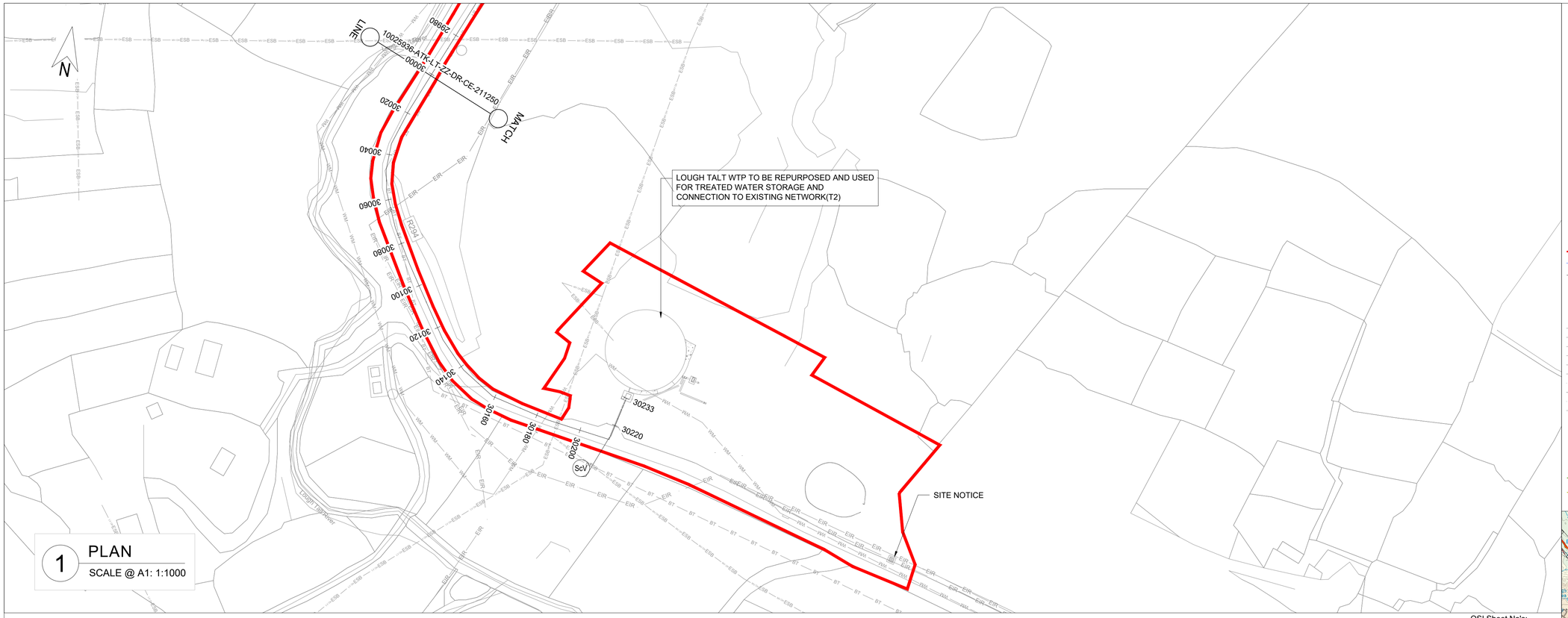
Internal Project Number: 100089328

C:\Users\BEYG3249\DC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\W-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211253.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT:

DO NOT SCALE

Millimetres 0 10 100

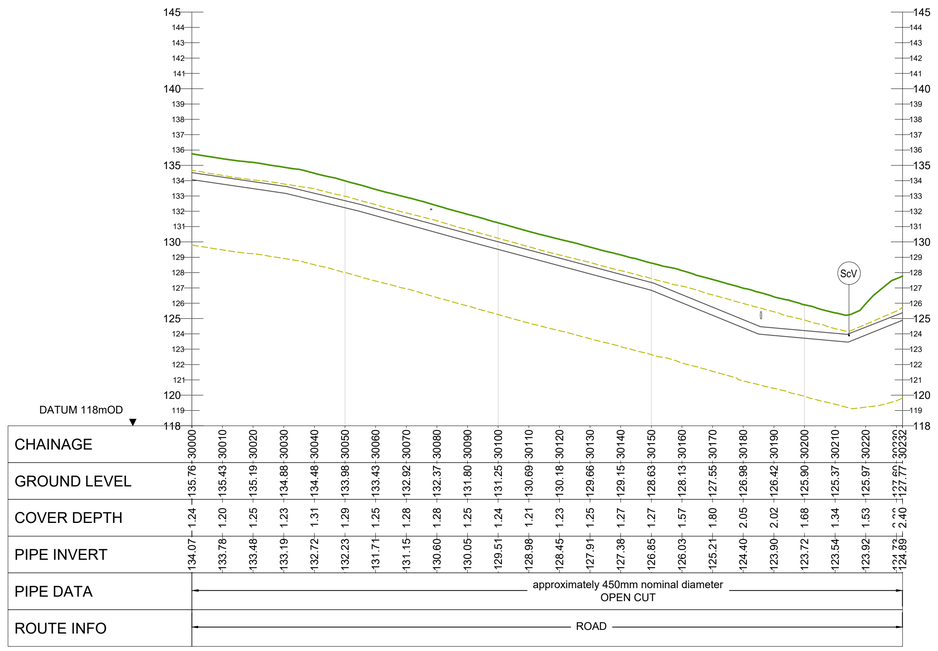


1 PLAN

SCALE @ A1: 1:1000

OSI Sheet No's:

1456.



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.

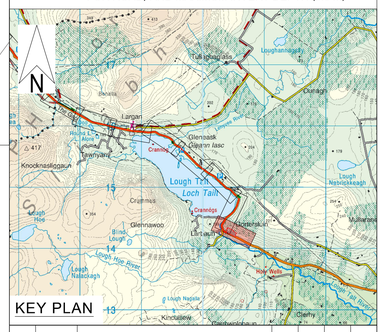
LEGEND:

PLAN

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



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 54 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-211254

Revision: C01

Internal Project Number: 100089328

C:\Users\BEN53249\OC\ACCDocs\AtkinsRéalis EU\Lough Talt RWSS\Project Files\04-WIP\M-CE-Civil engineer\DR-Drawing\10025936-ATK-LT-ZZ-DR-CE-211254.dwg

© ORDNANCE SURVEY IRELAND LICENSE NR. AR 0082526. ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND
ATKINSREALIS WILL NOT BE HELD LIABLE FOR THE USE OF THIS DATA ON ANY PROJECT OTHER THAN THE PROJECT: