

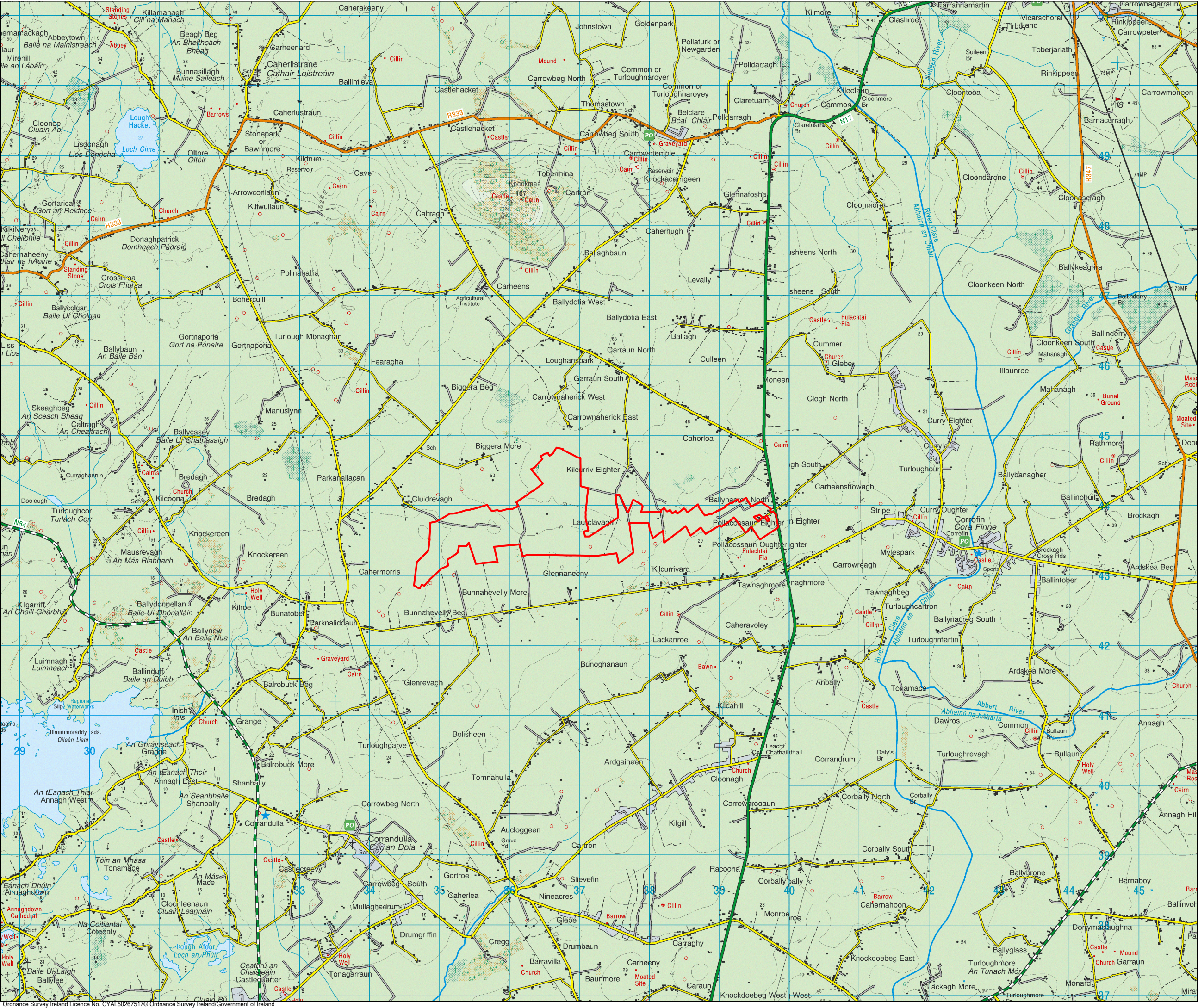


APPENDIX 2

ADDENDUM PLANNING DRAWINGS

Schedule of Drawings

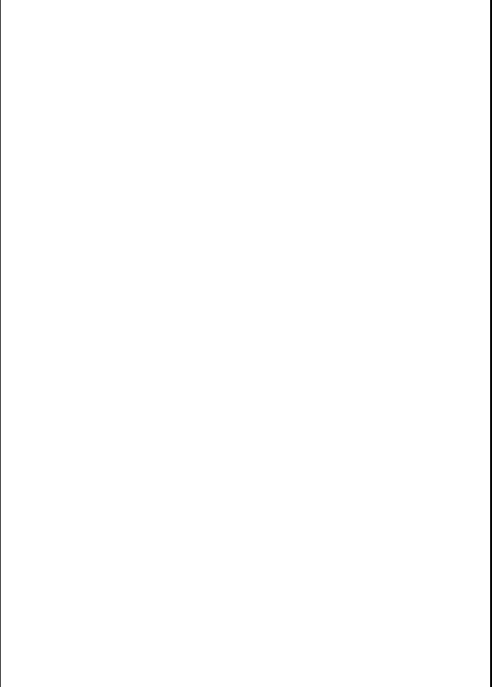
Drawing No.	Drawing Title	Scale	Page Size
210627 – 01 FI	Location Context Map	1: 50,000	A3
210627 – 02 FI	Site Location Map	1: 10,000	A1
210627 – 02F FI	Site Location Map Sheet F	1: 2,500	A3
210627 – 03 FI	Site Layout Key Plan (1:5,000)	1: 10,000	A1
210627 – 05 FI	Site Layout Plan Sheet 2 of 2	1: 5,000	A1
210627 – 06 FI	Site Layout Key Plan (1:2,500)	1: 10,000	A1
210627 – 11 FI	Site Layout Plan Sheet 5 of 5	1: 2,500	A1
210627 – 25 FI	Standard Security Cabin & Compound	As shown	A3
210627 – 34 FI	Proposed Temporary Access Road	1: 500	A3
210627 – 40 FI	Stock Proof Fence Detail, Elevation & Indicative Images	1: 20	A3
Hydro Environmental Services (HES)			
D101 – FI	Proposed Drainage Layout D101	1: 2,000	A1
D102 – FI	Proposed Drainage Layout D102	1: 2,000	A1
D103 – FI	Proposed Drainage Layout D103	1: 2,000	A1
D104 – FI	Proposed Drainage Layout D104	1: 2,000	A1
D105 – FI	Proposed Drainage Layout D105	1: 2,000	A1
D501_V2 - FI	Proposed Drainage Details D501_V2	Varies	A1
Alan Lipscombe Traffic and Transport Consultants (ALTTC)			
Figure FI 1	N83 / L61461 / L61461 junction with STOP line located at carriageway edge	1: 1,000	A4
Figure FI 2	N83 / L61461 / L6146 junction with STOP line located at carriageway edge - visibility splays	1: 1,000	A2
Figure FI 3	N83 / L61461 / L61461 junction with STOP line re-located to nearside of hard shoulder	1: 1,000	A4
Figure FI 4	N83 / L61461 / L6146 junction with STOP line relocated to nearside of hard shoulder - visibility splays	1: 1,000	A2
Figure FI 6	Proposed widening on L-61461 and autotrack assessment for large artic HGV (15.4m x 2.5m)	1: 1,000	A3
Figure 15-12a	Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase	1:1000	A3
Figure 15-13a	Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - blade extended artic	1:1000	A3
Figure 15-14a	Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - blade extended artic	1:1000	A3
Figure 15-15a	Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - standard large articulated HGV	1:1000	A3



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 6. The use of or reliance upon this drawing shall be deemed to be acceptance of these conditions of use unless otherwise agreed in writing, such written agreement to be sought from and issued by the copyright holder to the use or reliance upon this drawing.
 7. Layout plans show Turbine rotor diameter as per turbine drawing.
 8. Final levels may vary depending on local ground conditions.

Drawing Legend

— Planning Application Boundary



Legend:

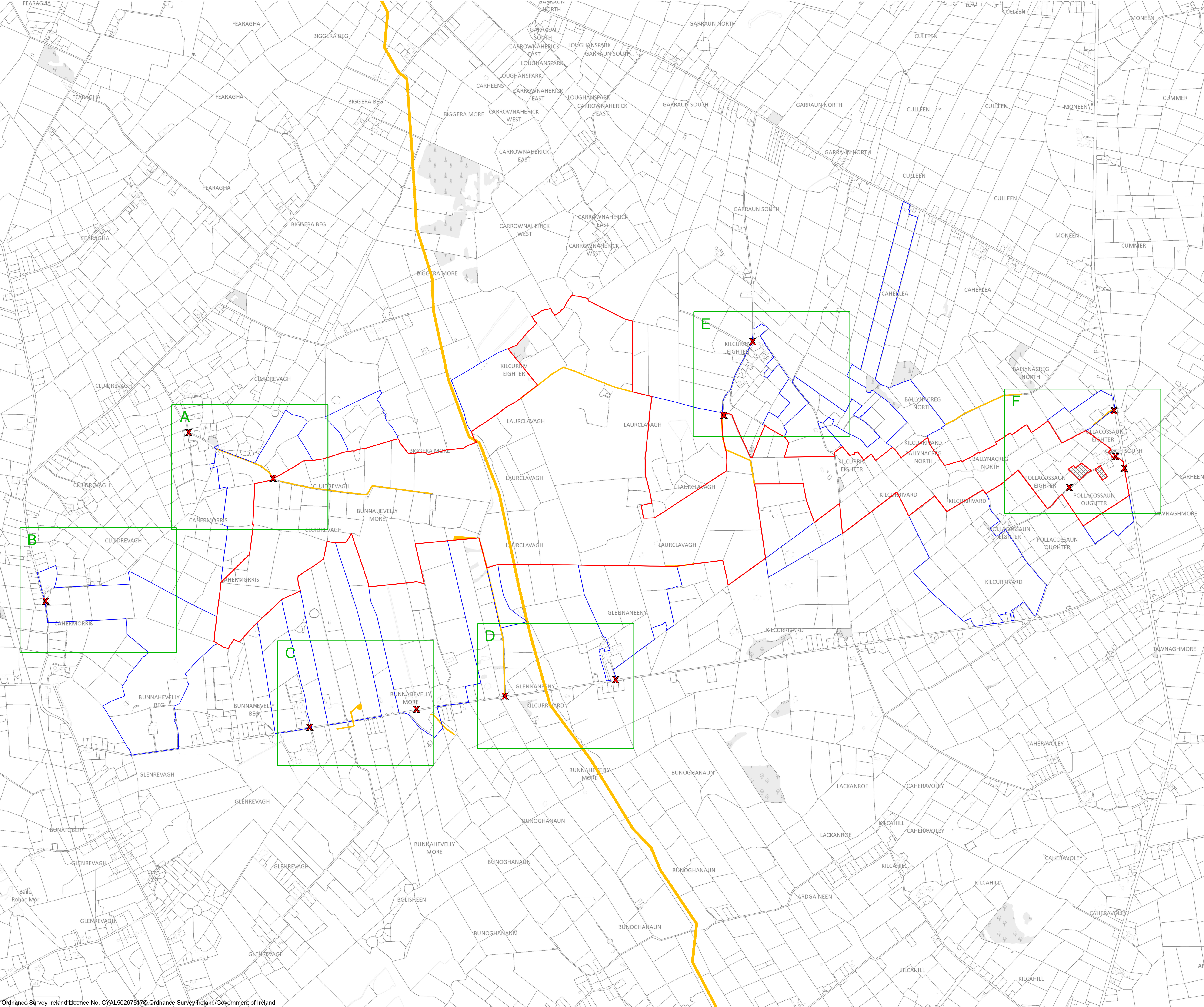
● Site Location

Map - N.T.S.

PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway		
DRAWING TITLE: Location Context Map		
PROJECT No.: 210627	DRAWING No.: 210627 - 01 FI	SCALE: 1:50,000 @ A3
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025
OS SHEET No.: OS1222, OS1224, OS1422, OS1424		REVISION:. P01

MKO

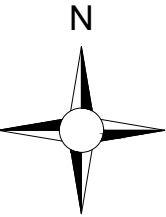
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Drawing Legend

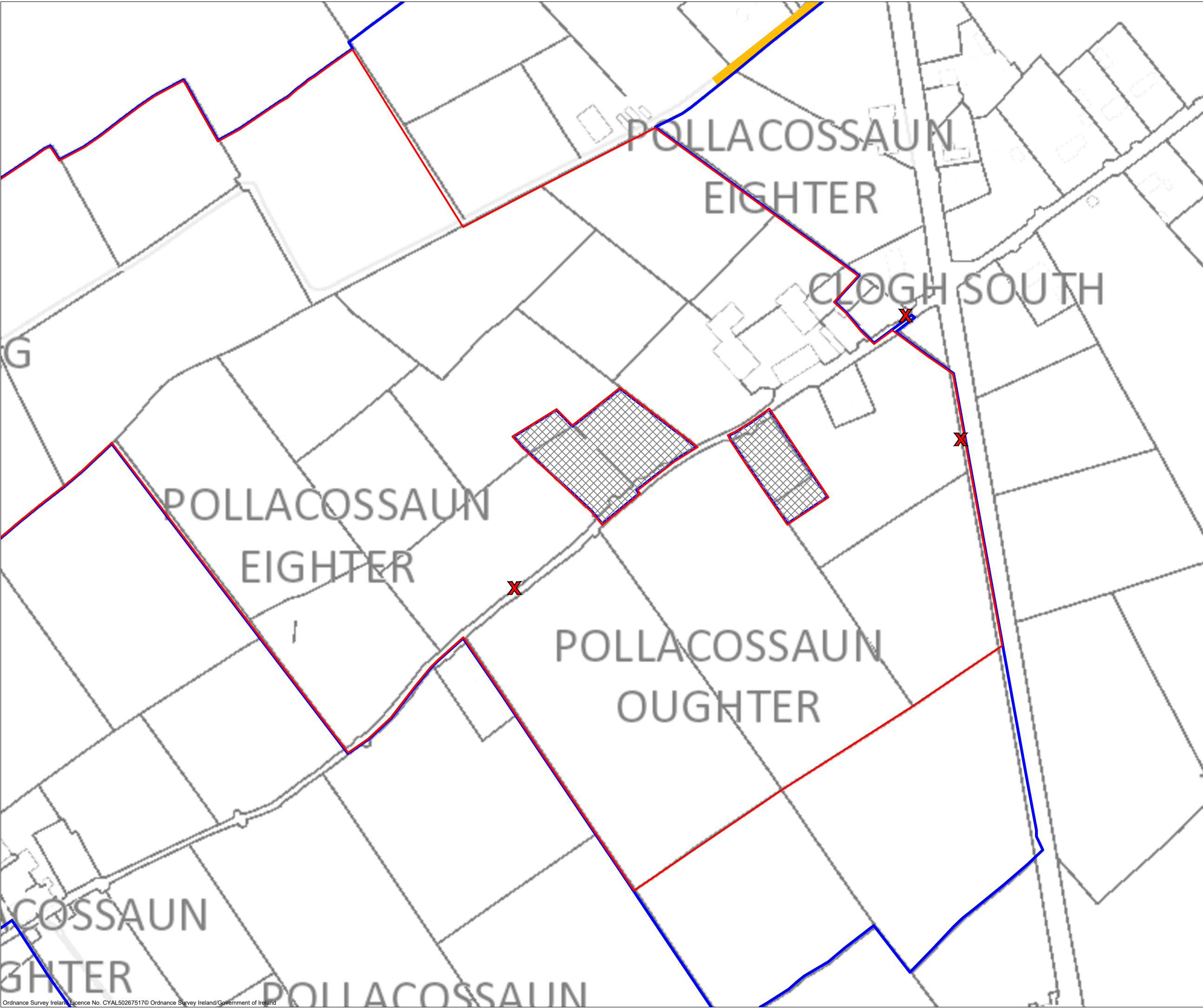
- Planning Application Boundary
- Landowners Boundary
- X Site Notice
- Wayleaves
- Area excluded from Application Boundary



PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Site Location Map			
PROJECT No.: 210627	DRAWING No.: 210627 - 02 FI	SCALE: 1:10,000 @ A1	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION.: P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088			



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Drawing Legend

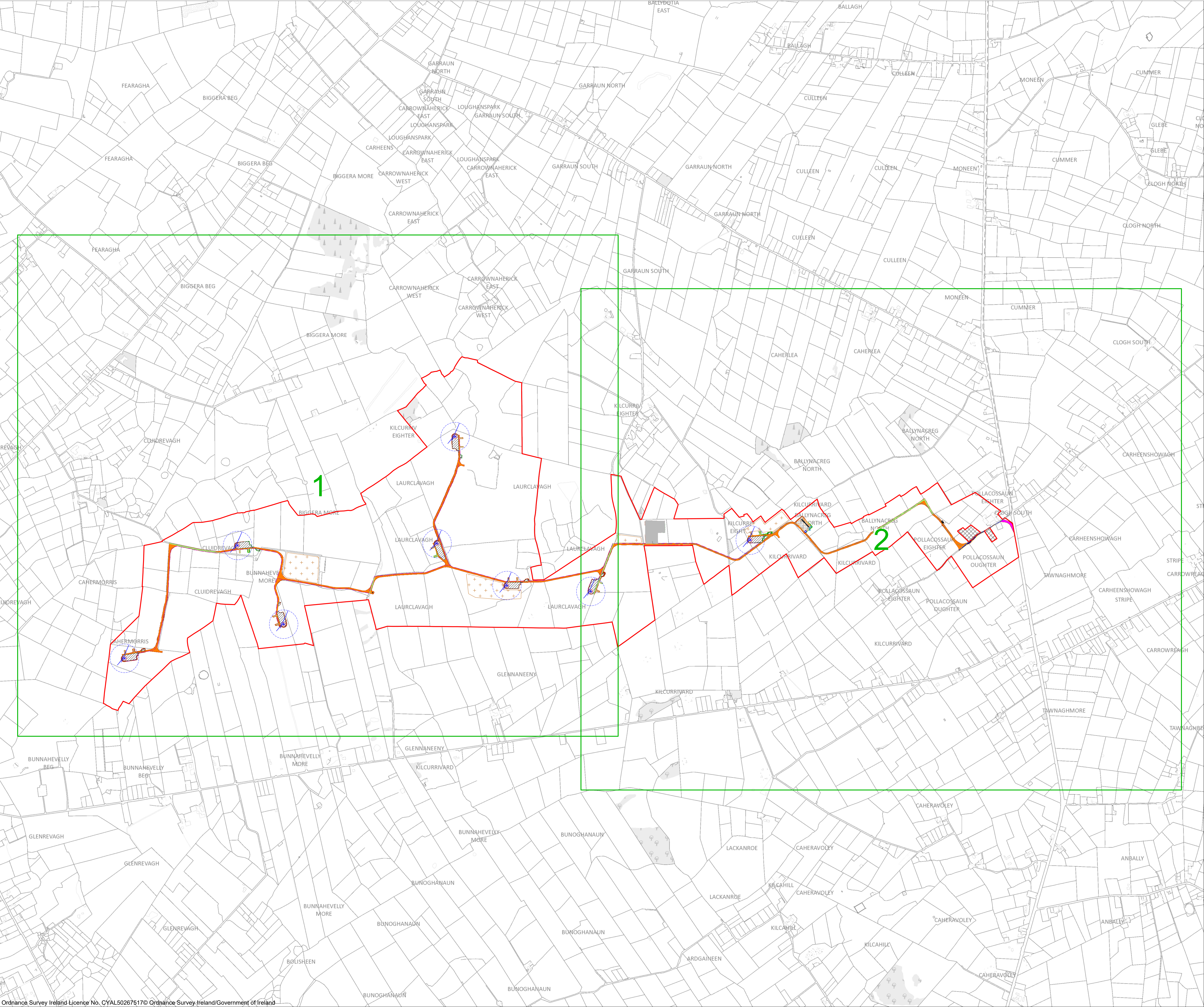
- Planning Application Boundary
- Landowners Boundary
- X Site Notice
- Wayleaves
- Area excluded from Application Boundary



PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Site Location Map Sheet F			
PROJECT No.: 210627	DRAWING No.: 210627 - 02F F1	SCALE: 1:2,500 @ A3	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION.: P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088			

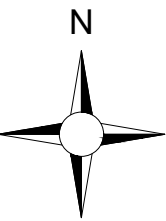


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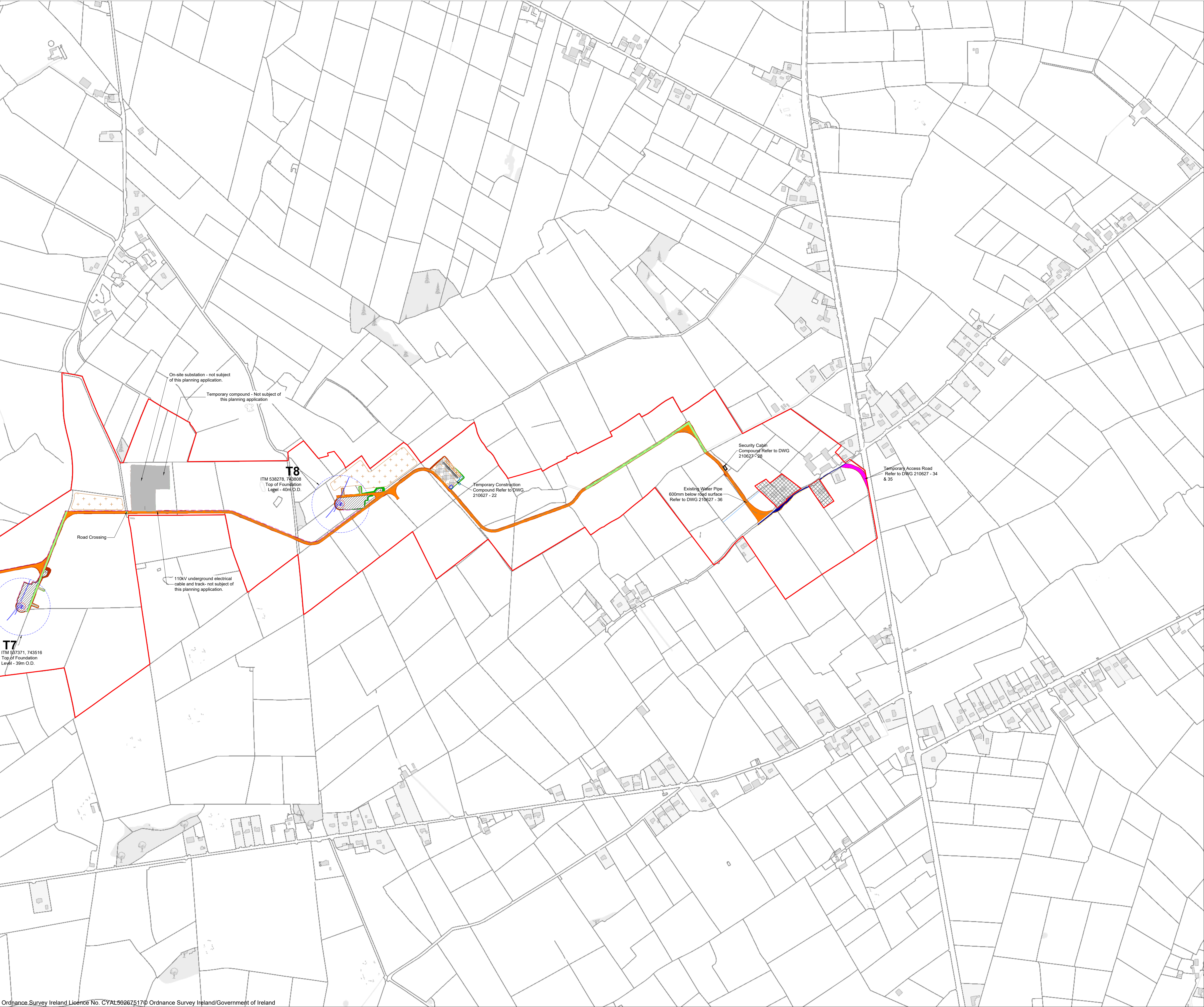
- Drawing Legend**
- Planning Application Boundary
 - Existing Road to be Upgraded
 - Proposed Road
 - Temporary Construction Access Road
 - Proposed Road Widening Works
 - Electrical Cabling Route
 - Soft Levelled Area
 - Hardstand/Turbine Assembly Area
 - Turbine Foundation
 - Turbine Sweep Area
 - Spoil Management Area
 - Cut
 - Fill
 - Area excluded from Application Boundary
 - Grid Connection Footprint Subject to separate S.182A Planning Application
 - Stock Proof Fence



PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Site Layout Key Plan (1:5,000)			
PROJECT No.: 210627	DRAWING No.: 210627 - 03 FI	SCALE: 1:10,000 @ A1	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION: P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088			

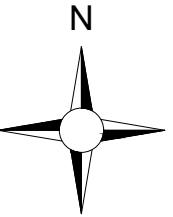


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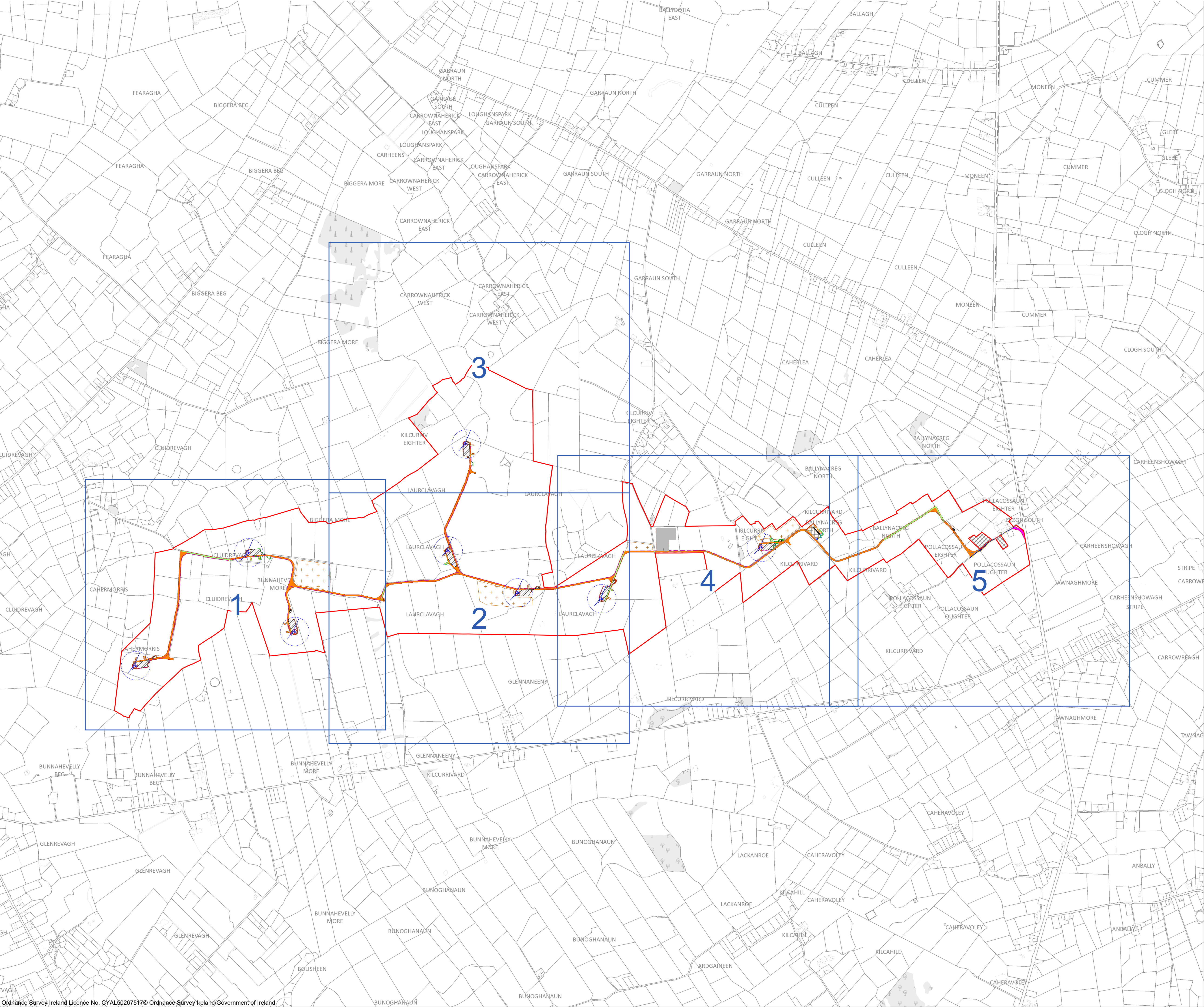
- Drawing Legend**
- Planning Application Boundary
 - Existing Road to be Upgraded
 - Proposed Road
 - Temporary Construction Access Road
 - Proposed Road Widening Works
 - Electrical Cabling Route
 - Soft Levelled Area
 - Hardstand/Turbine Assembly Area
 - Turbine Foundation
 - Turbine Sweep Area
 - Spoil Management Area
 - Cut
 - Fill
 - Area excluded from Application Boundary
 - Grid Connection Footprint Subject to separate S.182A Planning Application
 - Stock Proof Fence



PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway		
DRAWING TITLE: Site Layout Plan Sheet 2 of 2		
PROJECT No.: 210627	DRAWING No.: 210627 - 05 FI	SCALE: 1:5,000 @ A1
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025
		REVISION:. P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088		

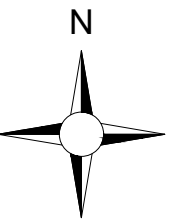


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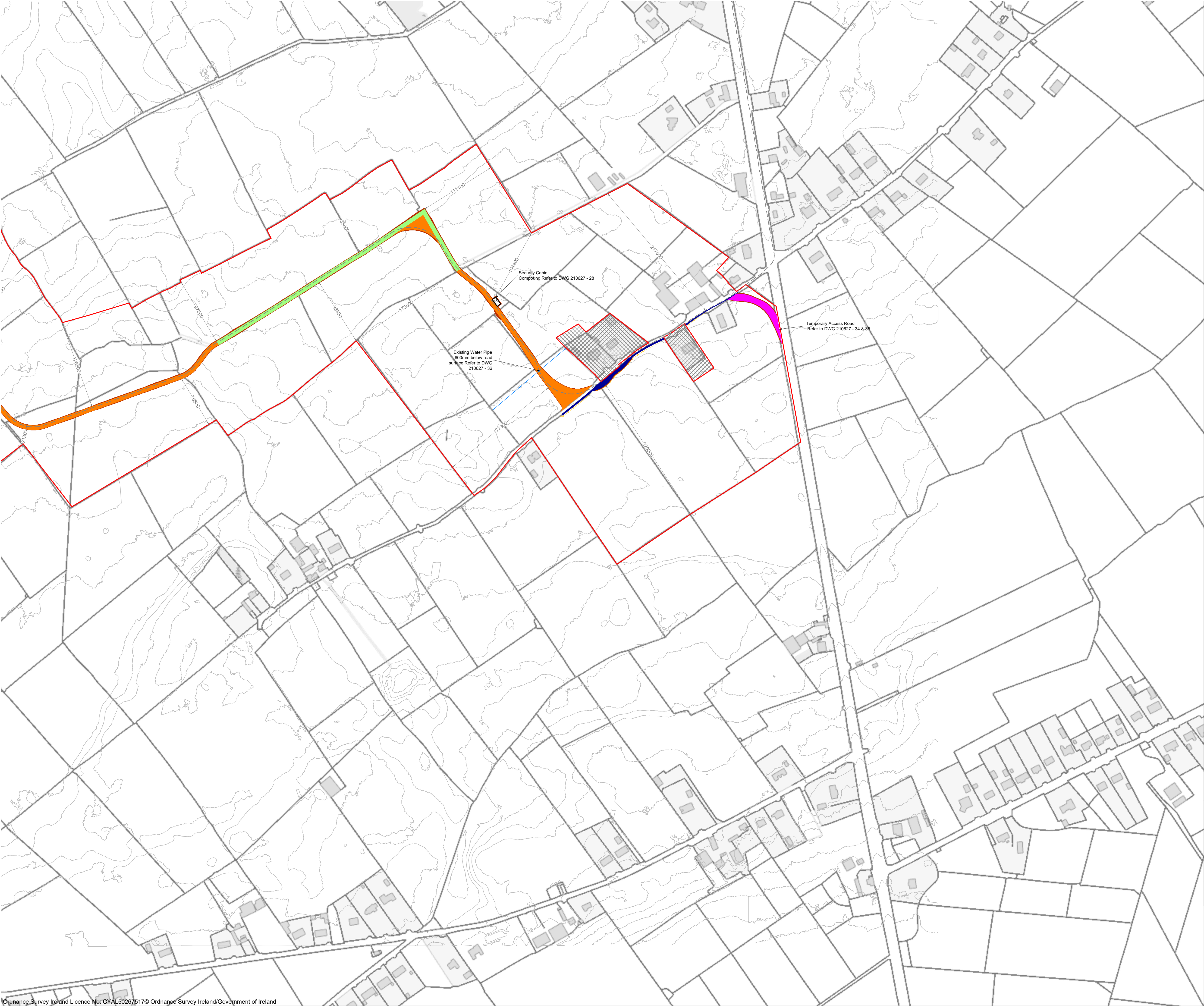
- Drawing Legend**
- Planning Application Boundary
 - Existing Road to be Upgraded
 - Proposed Road
 - Temporary Construction Access Road
 - Proposed Road Widening Works
 - Electrical Cabling Route
 - Soft Levelled Area
 - Hardstand/Turbine Assembly Area
 - Turbine Foundation
 - Turbine Sweep Area
 - Spoil Management Area
 - Cut
 - Fill
 - Area excluded from Application Boundary
 - Grid Connection Footprint Subject to separate S.182A Planning Application
 - Stock Proof Fence



PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Site Layout Key Plan (1:2,500)			
PROJECT No.: 210627	DRAWING No.: 210627 - 06 FI	SCALE: 1:10,000 @ A1	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION.: P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088			

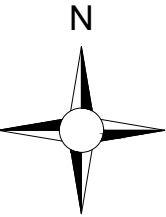


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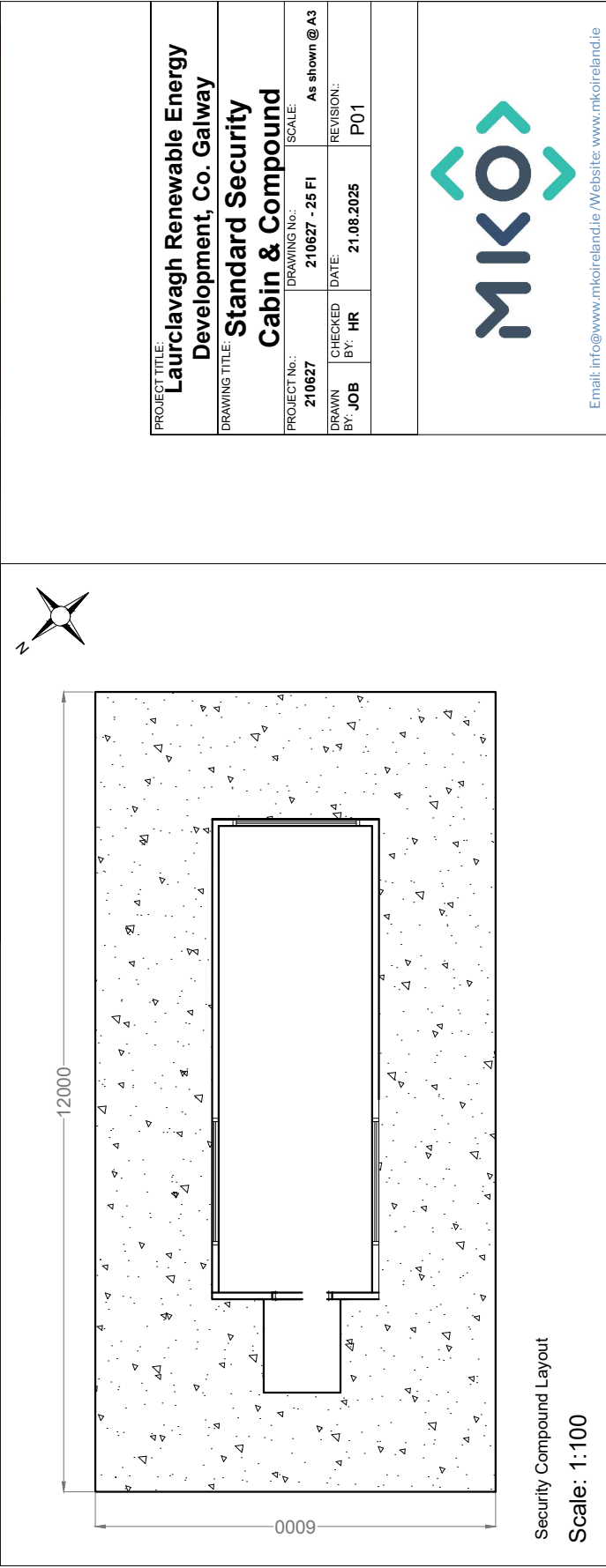
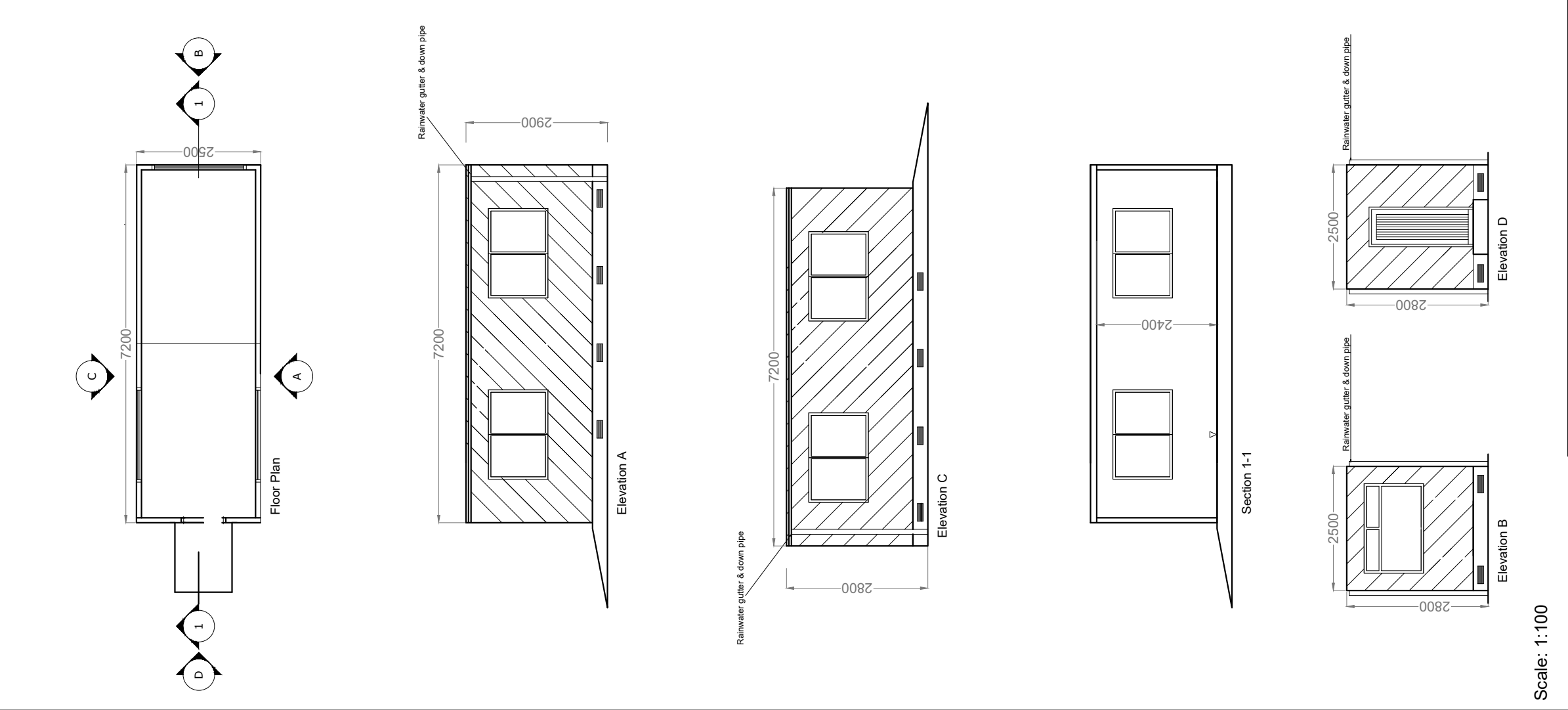
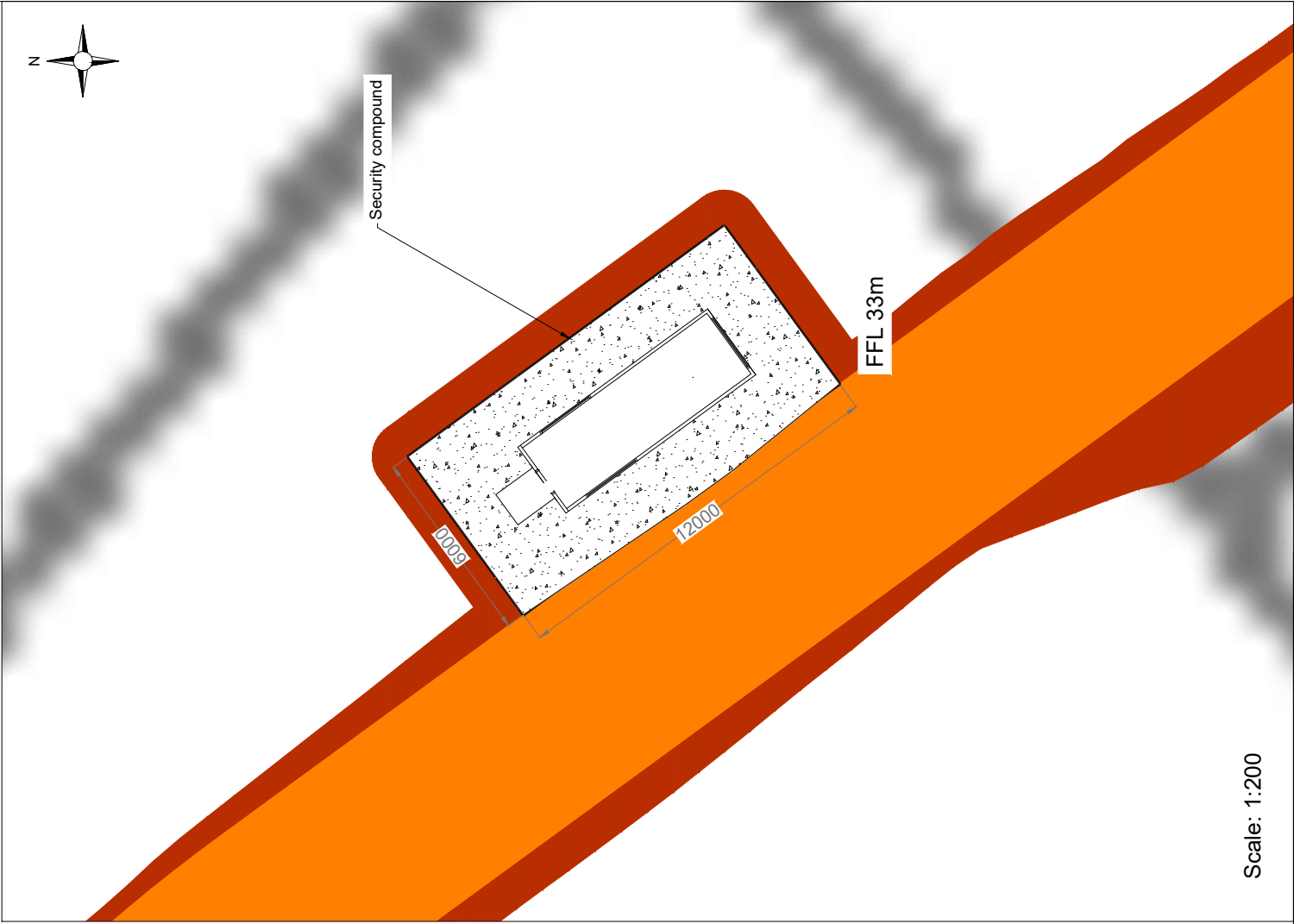
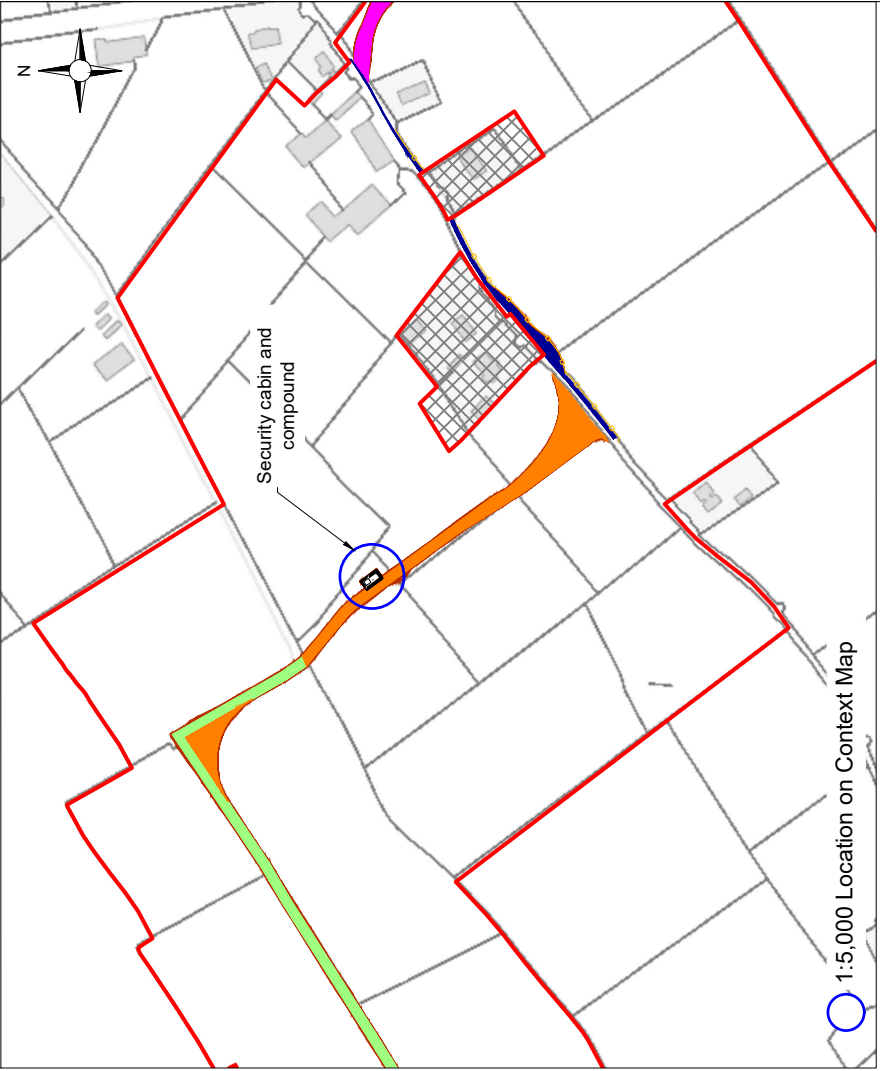
- Drawing Legend**
- Planning Application Boundary
 - Existing Road to be Upgraded
 - Proposed Road
 - Temporary Construction Access Road
 - Proposed Road Widening Works
 - Cut
 - Fill
 - ▨ Area excluded from Application Boundary
 - Grid Connection Footprint Subject to separate S.182A Planning Application
 - Underground Water Pipe
 - - - Stock Proof Fence

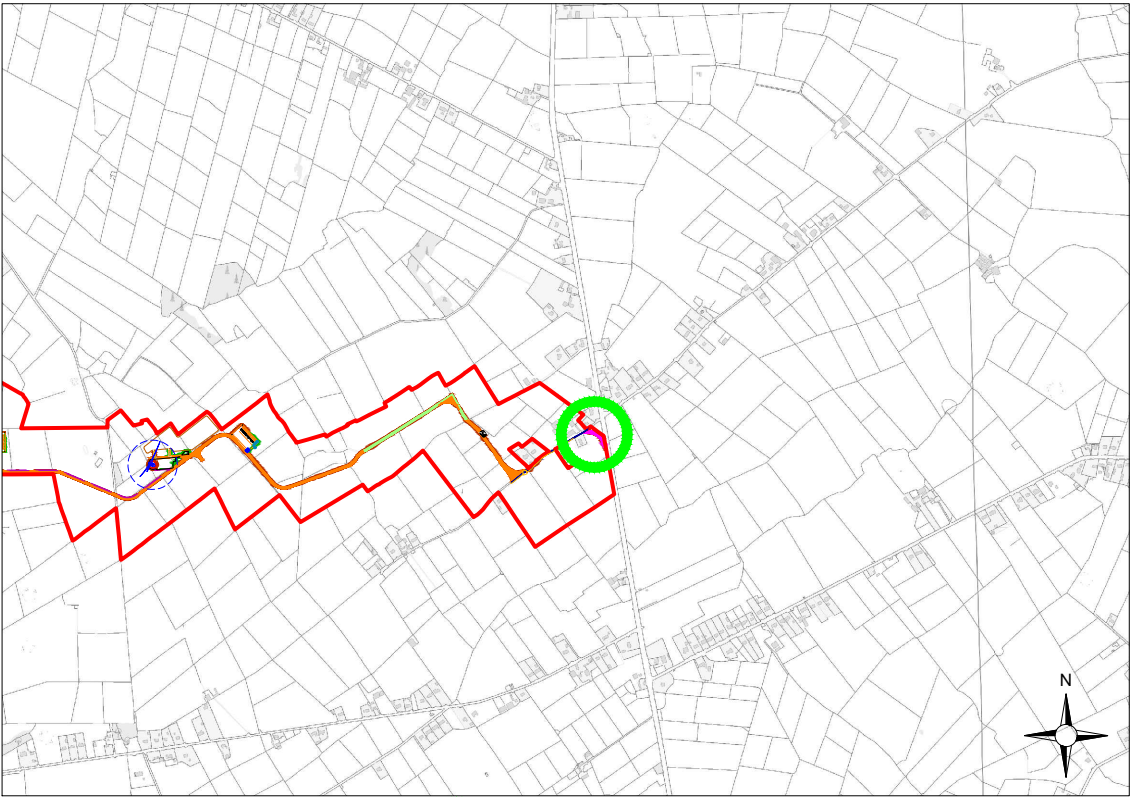
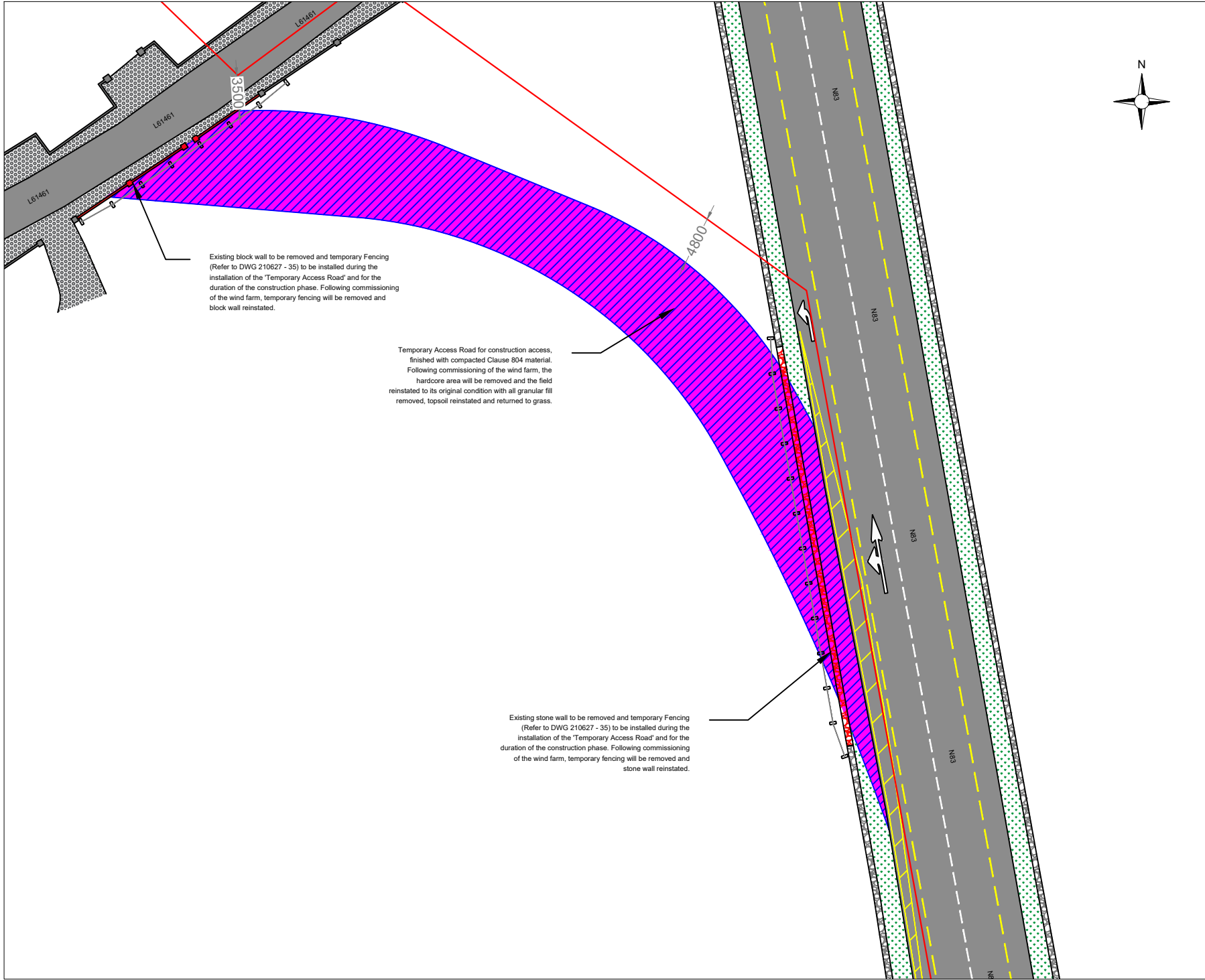


PROJECT TITLE:		
Laurclavagh Renewable Energy Development, Co. Galway		
DRAWING TITLE:		
Site Layout Plan Sheet 5 of 5		
PROJECT No.: 210627	DRAWING No.: 210627 - 11 FI	SCALE: 1:2,500 @ A1
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025
		REVISION.: P01
OS SHEET No.: 2878, 2879, 2880, 2881, 2947, 2948, 2949, 2950, 3017, 3018, 3019, 3020, 3085, 3086, 3087, 3088		



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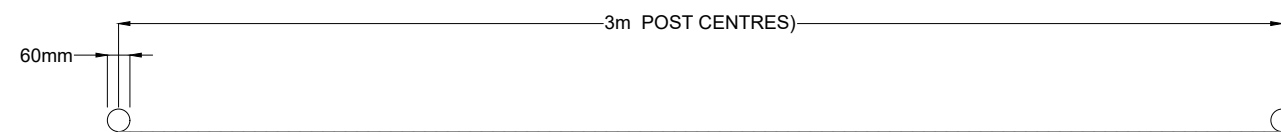
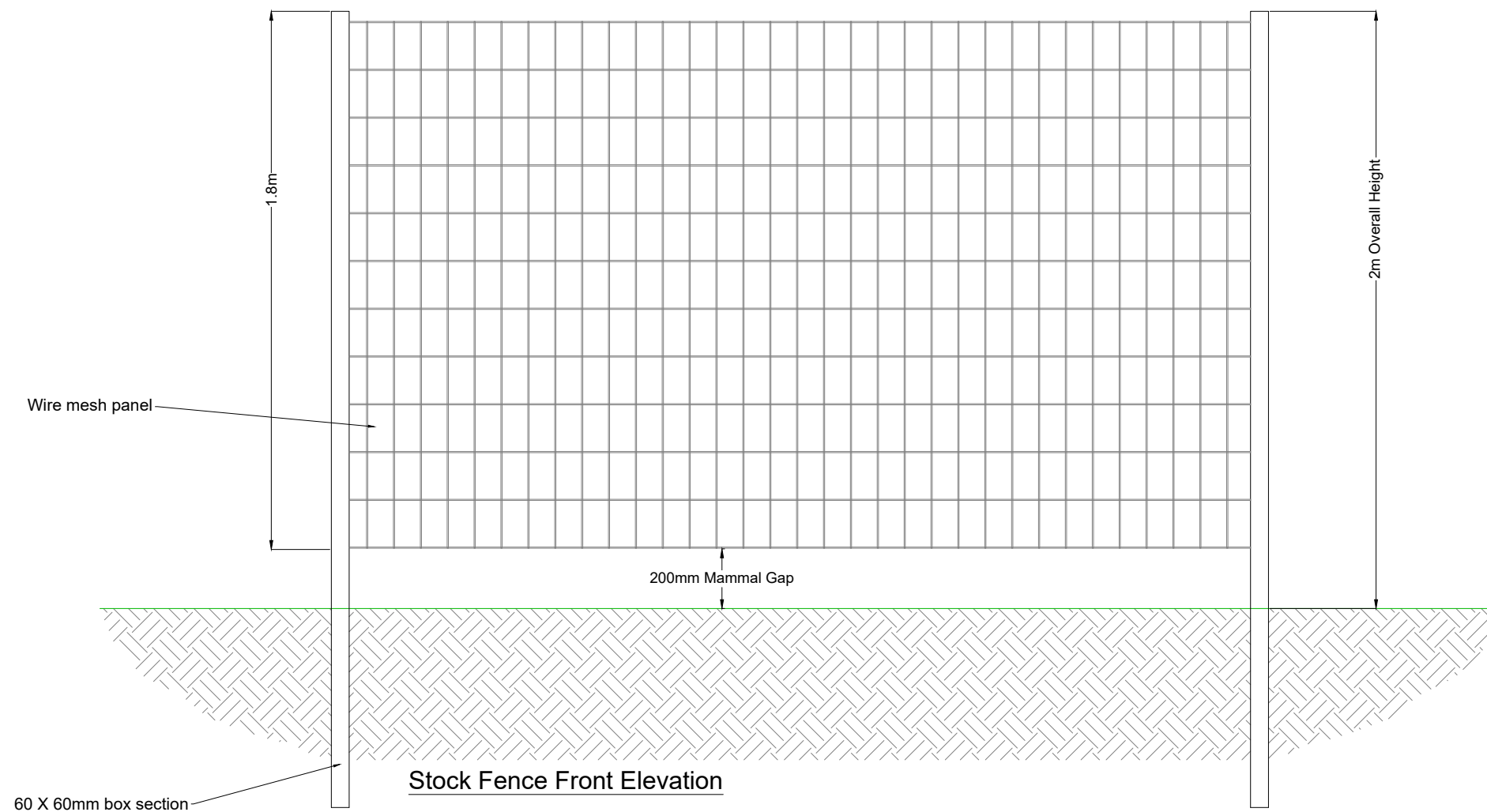
1:25,000 Location on Context Map

- Legend:
- Block wall to be temporarily removed/reinstated
 - Stone wall to be temporarily removed/reinstated
 - Temporary Fencing
 - Temporary Link Road

PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Proposed Temporary Access Road			
PROJECT No.: 210627	DRAWING No.: 210627 - 34 FI	SCALE: 1:500 @ A3	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION: P01



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INDICATIVE IMAGE



INDICATIVE IMAGE

Note:
All dimensions are in millimetres, unless noted otherwise.

All dimensions to be checked on site and any discrepancy to be reported to the engineer.

Figured dimensions only to be used, drawings not to be scaled. If in doubt ask.

For illustration purposes only. Exact size and appearance of unit subject to manufacturer selection.

PROJECT TITLE: Laurclavagh Renewable Energy Development, Co. Galway			
DRAWING TITLE: Stock Fence Detail, Elevation & Indicative Images			
PROJECT No.: 210627	DRAWING No.: 210627 - 40 F1	SCALE: 1:20 @ A3	
DRAWN BY: JOB	CHECKED BY: HR	DATE: 21.08.2025	REVISION.: P01



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1. SITE MANAGEMENT PROPOSALS ARE INTENDED TO ENSURE PROTECTION AGAINST GROUNDWATER POLLUTION, SLIDATION AND EROSION.
2. SUITABLE DRAINAGE CONTROL MEASURES WILL BE IN PLACE AT ALL TIMES MANAGE SILT AND DRAINAGE RUNOFF.
3. SILTY WATER CAN ARISE FROM DEWATERING EXCAVATIONS, EROSION OF EXPOSED/UNDERSOILED BEDROCK, TEMPORARY STOCKPILES, PLANT AND WHEEL WASH, SITE ROADS/TRACKS, AND DISTURBANCE OF DRAINAGE PATHWAYS.
- DISCHARGES**
4. ALL DRAINAGE DISCHARGES TO BE MADE OVER OPEN GROUND OR INTO INFILTRATION DRAIN OR INFILTRATION AREA. ALL DISCHARGES WILL BE TO GROUND, THERE ARE NO NATURAL WATERCOURSES AT THIS SITE.
5. PUMPED WATER WILL BE DIRECTED INTO TRACK SIDE INFILTRATION DRAINS AND DISCHARGED IN THOSE DRAINS. THE INFILTRATIONS AREAS PRIOR TO RECHARGE TO GROUND.
6. DRAINING OF CLEAN WATER WILL BE COMPLETED / OR OVER-PUMPING IN PUMPS/DITCHES WILL BE EXERCISED IN A MANNER THAT DOES NOT CAUSE SCOUR OR EROSION AT THE POINT OF RELEASE/DISCHARGE. THIS WILL BE DONE BY REDUCING THE FLOW VELOCITIES OR BY USE OF SPLASH PLATES, AND OTHER SIMILAR DISCHARGE CONTROLS.
- EXCAVATIONS**
7. WHERE DEEP EXCAVATIONS ARE PROPOSED CUT-OFF DRAINS WILL BE USED TO REDUCE THE AMOUNT OF SURFACE WATER ENTERING THE EXCAVATION. THIS WILL BE THE CASE AROUND EXPOSED BARE EXCAVATIONS.
- EXPOSED GROUND & STOCKPIL**
8. THE AMOUNT OF EXPOSED GROUND AND TEMPORARY STOCKPILES OPEN AT ANY ONE TIME WILL BE MINIMISED, AS FAR AS PRACTICABLE.
- SITE TRACKS**
9. USE OF TRACK SIDE SWALES (INFILTRATION DRAINS) WITH CHECK DAMS, WILL REDUCE SILT IN DRAINAGE WATER AS REQUIRED.
10. CHECK DAMS WILL BE INSPECTED AND CLEANED REGULARLY.
- REFUELLING**
11. REFUELLING OF MOBILE PLANT WILL BE COMPLETED IN DESIGNATED REFUELLING AREAS ONLY, PREFERABLY ON AN IMPERMEABLE SURFACE AND AWAY FROM INFILTRATION DRAINS OR DITCHES.
12. SPILL KITS AND Drip TRAYS WILL BE AVAILABLE ON SITE FOR USE AS REQUIRED.
- CONCRETE**
13. CARE WILL BE TAKEN WHEN COMPLETING CONCRETE WORKS ON SITE TO ENSURE NO DISCHARGES TO GROUND OCCUR.
14. CONCRETE WASH WATER, AND WASTE CONCRETE WILL BE MANAGED APPROPRIATELY ON SITE.

IF WATER POLLUTION IS IDENTIFIED THE FOLLOWING STEPS SHOULD BE ADHERED TO:

STOP - WORK IN THE IMMEDIATE AREA SHOULD BE STOPPED AND THE SOURCE OF THE POLLUTION IDENTIFIED

CONTAIN - THE SOURCE OF THE POLLUTION SHOULD BE BUNDED USING A SUITABLE METHOD.

NOTIFY - THE RELEVANT AUTHORITIES (SITE MANAGER / FISHERIES / NPWS / LOCAL AUTHORITY) SHOULD BE NOTIFIED IMMEDIATELY IN ORDER THAT MEASURES CAN BE IMPLEMENTED DOWNSTREAM TO PROTECT SENSITIVE RECEPTORS.

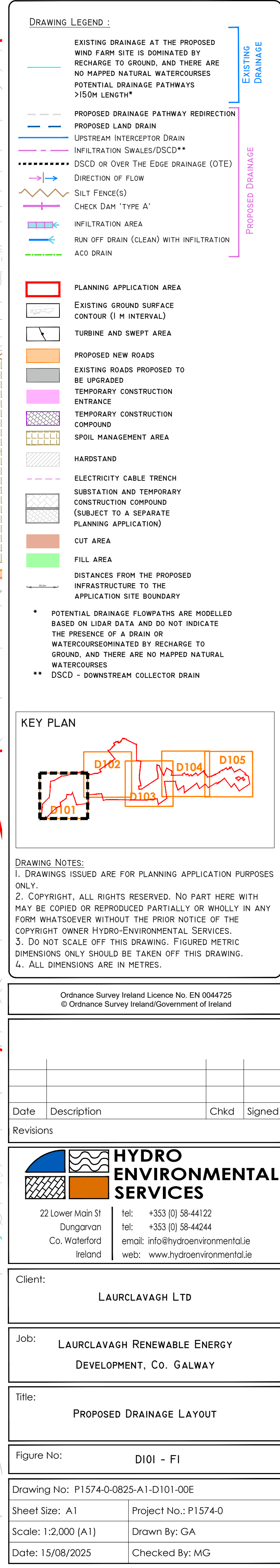
1. SITE MANAGEMENT PROPOSALS ARE INTENDED TO ENSURE PROTECTION AGAINST GROUNDWATER POLLUTION, SLIDATION AND EROSION.
 2. SUITABLE DRAINAGE CONTROL MEASURES WILL BE IN PLACE AT ALL TIMES MANAGE SILT AND DRAINAGE RUNOFF.
 3. SILTY WATER CAN ARISE FROM DEWATERING EXCAVATIONS, EROSION OF EXPOSED/UNDERSOILED BEDROCK, TEMPORARY STOCKPILES, PLANT AND WHEEL WASH, SITE ROADS/TRACKS, AND DISTURBANCE OF DRAINAGE PATHWAYS.
 - DISCHARGES**
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 5. PUMPED WATER WILL BE DIRECTED INTO TRACK SIDE INFILTRATION DRAINS AND DISCHARGED IN THOSE DRAINS. THE INFILTRATIONS AREAS PRIOR TO RECHARGE TO GROUND.
 6. DRAINING OF CLEAN WATER WILL BE COMPLETED / OR OVER-PUMPING IN PUMPS/DITCHES WILL BE EXERCISED IN A MANNER THAT DOES NOT CAUSE SCOUR OR EROSION AT THE POINT OF RELEASE/DISCHARGE. THIS WILL BE DONE BY REDUCING THE FLOW VELOCITIES OR BY USE OF SPLASH PLATES, AND OTHER SIMILAR DISCHARGE CONTROLS.
 - EXCAVATIONS**
 7. WHERE DEEP EXCAVATIONS ARE PROPOSED CUT-OFF DRAINS WILL BE USED TO REDUCE THE AMOUNT OF SURFACE WATER ENTERING THE EXCAVATION. THIS WILL BE THE CASE AROUND EXPOSED BARE EXCAVATIONS.
 - EXPOSED GROUND & STOCKPIL**
 8. THE AMOUNT OF EXPOSED GROUND AND TEMPORARY STOCKPILES OPEN AT ANY ONE TIME WILL BE MINIMISED, AS FAR AS PRACTICABLE.
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 - CONCRETE**
 13. CARE WILL BE TAKEN WHEN COMPLETING CONCRETE WORKS ON SITE TO ENSURE NO DISCHARGES TO GROUND OCCUR.
 14. CONCRETE WASH WATER, AND WASTE CONCRETE WILL BE MANAGED APPROPRIATELY ON SITE.
- IF WATER POLLUTION IS IDENTIFIED THE FOLLOWING STEPS SHOULD BE ADHERED TO:
- STOP** - WORK IN THE IMMEDIATE AREA SHOULD BE STOPPED AND THE SOURCE OF THE POLLUTION IDENTIFIED
- CONTAIN** - THE SOURCE OF THE POLLUTION SHOULD BE BUNDED USING A SUITABLE METHOD.
- NOTIFY** - THE RELEVANT AUTHORITIES (SITE MANAGER / FISHERIES / NPWS / LOCAL AUTHORITY) SHOULD BE NOTIFIED IMMEDIATELY IN ORDER THAT MEASURES CAN BE IMPLEMENTED DOWNSTREAM TO PROTECT SENSITIVE RECEPTORS.

1. BY OTHERS).
- II. SPARSE STRAW BAGS/SILT FENCING/ OR SIMILAR, TO BE STORED ON SITE. THE LEVEL OF SILT IN DRAINAGE WATER DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA IS TO BE TEMPORARILY MANAGED BY PLACING ADDITIONAL CHECK DAMS, SILT FENCES, STRAW BAGS / OR SIMILAR AT THE DOWNSTREAM END.
- III. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACKS. INTERIM MEASURES SUCH AS THE PLACEMENT OF STRAW BAGS/SILT FENCING/ OR SIMILAR, TO BE STORED ON SITE. THE LEVEL OF SILT IN DRAINAGE WATER DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA IS TO BE TEMPORARILY MANAGED BY PLACING ADDITIONAL CHECK DAMS, SILT FENCES, STRAW BAGS / OR SIMILAR AT THE DOWNSTREAM END.
- IV. TO BE EMPLOYED IN ALL INSTANCES WHERE WORK CARRIED OUT TO CONSTRUCT THE ACCESS TRACKS IS LIKELY TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS THROUGH INCREASED SILT LOADINGS BEING GENERATED DURING THE CONSTRUCTION PHASE.
- V. SUITABLE DRAINAGE CHANNELS TO BE CONSTRUCTED TO BE IN PLACE AT ALL TIMES TO PREVENT THE CONVEYANCE OF SIGNIFICANT VOLUMES OF SILT TO THE DRAINAGE SYSTEM.
- VI. INTERCEPTOR SWALES / DITCHES TO BE USED TO COLLECT UPSTREAM CLEAN SURFACE WATER FLOWS, REGULAR CROSS DRAINS / FIELD DRAINS WILL BE REQUIRED TO TRANSFER FLOW IN INTERCEPT DRAINS TO SUITABLE DOWNSTREAM RECHARGE AREAS.
- VII. DRAINAGE SWALES / DOWNSTREAM COLLECTOR DRAINS TO BE EXCAVATED ADJACENT TO THE ACCESS TRACKS AS REQUIRED. REGULAR CROSS DRAINS/FIELD DRAINS TO BE LOCATED ALONG ACCESS TRACKS TO MAINTAIN DRAINAGE SWALES, AND TO PREVENT EXCESSIVE VOLUMES OF WATER COLLECTING IN THE SWALES / DITCHES.
- VIII. LOCATION OF CRITICAL SLOPES TO BE IDENTIFIED AND PROTECTED IN PLACE AT ALL TIMES.
- IX. BATTERS OF ALL PROPOSED SWALES / DITCHES TO HAVE A SLOPE OF BETWEEN 1: 1.5 TO 1: 2, DEPENDING UPON DEPTH OF SWALE/DITCH AND WILL BE LEFT UP TO CUT TO THE VEGETATE WITHIN 12 MONTHS OF COMPLETION.
- X. TRACK SIDE SWALES / INFILTRATION DRAINS TO BE SHALLOW WITH MODERATE GRADIENTS TO PREVENT SCOURING. IN STEEP AREAS CHECK DAMS WILL BE INSTALLED TO REDUCE FLOW VELOCITIES AND PROVIDE SOURCE CONTROL OF SILT REMOVAL.
- XI. DRAINAGE SWALE BATTERS TO BE PROTECTED BY STRIPPED VEGETATION OR SPOT STORAGE AREAS TO MITIGATE SILT RUNOFF. SILT FENCES WILL BE CONTEMPORANEOUS WITH SUITABLE VEGETATION COVER IS ESTABLISHED.
- XII. SLOPES OF THE SWALES / DITCHES TO BE VEGETATED OR PROTECTED FROM EXPOSURE UNTIL VEGETATION IS ESTABLISHED.
- XIII. STRIPPED VEGETATION LAYER ("SCRAM") FROM EXCAVATIONS TO BE STORED LOCALLY AND USED TO LINE SLOPES AND BASES OF SWALES / DITCHES OR LONGITUDINAL MOUNDINGS OF VEGETATION SWALES AT INFILTRATION AREAS.
- XIV. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
- XV. CLEAN SOURCE FLOW CONTROL CHECK DAMS TO BE MADE OF LOCALLY WON / GEOLOGICALLY SIMILAR WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE 150MM TO 250MM. STONE DAMS TO BE CONSTRUCTED TO BE 100M LONG.
- XVI. CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100M STONE ON THE DOWNHILL FACE OF THE CHECK DAM AND BY WRAPPING IN GEOTEXTILE.
- XVII. BUILD UP OF SILT LEVELS AT CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. SILT LEVELS AT CHECK DAMS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING DRAINAGE MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE.
- XVIII. CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. CHECK DAMS TO BE REMOVED AND REPLACED SUBSEQUENT TO THE REMOVAL OF SILT.
- XIX. SPACING AND FREQUENCY OF CHECK DAMS WILL BE DEPENDENT UPON LONGITUDINAL GRADIENT OF SWALE/INFILTRATION DRAIN.
- XX. FILL, SUDS AND STONE WASH TO BE STORED IN CONFINED STRUCTURES.
- XXI. SILT BAGS WILL BE USED ON SITE AS NECESSARY.

- [illegible]

MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS	1) USING SMALL WORKING AREAS 2) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS / OVERSIZED SWALES, DIVERSION DRAINS, LAND DRAINS AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING TEMPORARY STOCKPILES WITH SILT FENCING 5) WEATHERING OFF / SEALING PEAT STOCKPILES
IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, OVERSIZED SWALES/COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) STRAW BALES E) AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 3) SILT FENCES, FILTER FABRICS 4) TEMPORARY SLUMPS, PUMPING SYSTEMS 5) SWALES/INFILTRATION DRAINS, AND INFILTRATION AREAS
WATER TREATMENT CONTROLS:	1) TEMPORARY SLUMPS 2) TEMPORARY STORAGE LAGOONS 3) INFILTRATION DRAINS / AREAS 4) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILTBUSTER, AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 5) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) INFILTRATION DRAINS 2) INFILTRATION AREAS 3) SILT DEWATERING BAGS

MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS	1) USING SMALL WORKING AREAS 2) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS / OVERSIZED SWALES, DIVERSION DRAINS, LAND DRAINS AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING TEMPORARY STOCKPILES WITH SILT FENCING 5) WEATHERING OFF / SEALING PEAT STOCKPILES
IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, OVERSIZED SWALES/COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) STRAW BALES E) AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 3) SILT FENCES, FILTER FABRICS 4) TEMPORARY SLUMPS, PUMPING SYSTEMS 5) SWALES/INFILTRATION DRAINS, AND INFILTRATION AREAS
WATER TREATMENT CONTROLS:	1) TEMPORARY SLUMPS 2) TEMPORARY STORAGE LAGOONS 3) INFILTRATION DRAINS / AREAS 4) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILTBUSTER, AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 5) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) INFILTRATION DRAINS 2) INFILTRATION AREAS 3) SILT DEWATERING BAGS



EXISTING DRAINAGE	
	EXISTING DRAINAGE AT THE PROPOSED WIND FARM SITE IS DOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO IMPERVED NATURAL WATERCOURSES
	POTENTIAL DRAINAGE PATHWAYS >150M LENGTH*
	PROPOSED DRAINAGE PATHWAY REDIRECTION
	PROPOSED LAND DRAIN
	UPSTREAM INTERCEPTOR DRAIN
	INFILTRATION SWALES/DSCD**
	DSCD OR OVER THE EDGE DRAINAGE (OTE)
	DIRECTION OF FLOW
	SILT FENCE(S)
	CHECK DAM 'TYPE A'
	INFILTRATION AREA
	RUN OFF DRAIN (CLEAN) WITH INFILTRATION
	ACC DRAIN

- | | |
|---|--|
|  | PLANNING APPLICATION AREA |
|  | EXISTING GROUND SURFACE
CONTOUR (1 M INTERVAL) |
|  | TURBINE AND SWEEP AREA |
|  | PROPOSED NEW ROADS |
|  | EXISTING ROADS PROPOSED TO
BE UPGRADED |
|  | TEMPORARY CONSTRUCTION
ENTRANCE |
|  | TEMPORARY CONSTRUCTION
COMPOUND |
|  | SPOIL MANAGEMENT AREA |
|  | HARDSTAND |
|  | ELECTRICITY CABLE TRENCH |
|  | SUBSTATION AND TEMPORARY
CONSTRUCTION COMPOUND
(SUBJECT TO A SEPARATE
PLANNING APPLICATION) |
|  | CUT AREA |
|  | FILL AREA |
|  | DISTANCES FROM THE PROPOSED
INFRASTRUCTURE TO THE
APPLICATION SITE BOUNDARY |
-  0 200m

- * POTENTIAL DRAINAGE FLOWPATHS ARE MODELLED BASED ON LIDAR DATA AND DO NOT INDICATE THE PRESENCE OF A DRAIN OR WATERCOURSEOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES
- ** DSCD - DOWNSTREAM COLLECTOR DRAIN

The diagram shows five overlapping boxes labeled D101, D102, D103, D104, and D105. A red line graph is overlaid on the boxes. Box D101 is highlighted with a dashed black border.

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Date	Description	Chkd	Signed



Client: LAURCLAVAGH LTD

LAURCLAVAGH RENEWABLE ENERGY
DEVELOPMENT, CO. GALWAY

PROPOSED DRAINAGE LAYOUT

Figure No: DI01 - FI

Drawing No: P1574-0-0825-A1-D101-00E	
Sheet Size: A1	Project No.: P1574-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 15/08/2025	Checked By: MG

- POLLUTION PREVENTION NOTES:**
1. SITE MANAGEMENT PROPOSALS ARE INTENDED TO ENSURE PROTECTION AGAINST GROUNDWATER POLLUTION, SILTATION AND EROSION.
 2. SUITABLE DRAINAGE CONTROL MEASURES WILL BE IN PLACE AT ALL TIMES MANAGE SILT AND DRAINAGE RUNOFF.
 3. SILTY WATER CAN ARISE FROM DEWATERING EXCAVATIONS, EROSION OF EXPOSED/DISTURBED GROUND, TEMPORARY STOCKPILES, PLANT AND WHEEL WASH, SITE ROADS/TRACKS, AND DISTURBANCE OF DRAINAGE PATHWAYS.
- DISCHARGES**
4. ALL DRAINAGE DISCHARGES TO BE MADE OVER OPEN GROUND OR INTO INFILTRATION DRAIN OR INFILTRATION AREA. ALL DISCHARGES WILL BE TO GROUND. THERE ARE NO NATURAL WATERCOURSES AT THIS SITE.
 5. PUMPED WATER WILL BE DIRECTED INTO TRACK SIDE INFILTRATION DRAINS AND TREATED IN THOSE DRAINS AND THE INFILTRATIONS AREAS PRIOR TO RECHARGE TO GROUND.
 6. PUMPING OF CLEAN WATER FROM EXCAVATIONS / OR OVER-PUMPING IN DRAINS/DITCHES WILL BE COMPLETED IN A MANNER THAT DOES NOT CAUSE SCOUR OR EROSION AT THE POINT OF RELEASE/DISCHARGE. THIS WILL BE DONE BY REDUCING THE FLOW VELOCITIES OR BY USE OF SPLASH PLATES, AND OTHER SIMILAR DISCHARGE CONTROLS.
- EXCAVATIONS**
7. WHERE DEEP EXCAVATIONS ARE PROPOSED CUT-OFF DRAINS WILL BE USE TO REDUCE THE AMOUNT OF SURFACE WATER ENTERING THE EXCAVATION. THIS WILL BE THE CASE AROUND TURBINE BASE EXCAVATIONS.
- EXPOSED GROUND & STOCKPILES**
8. THE AMOUNT OF EXPOSED GROUND AND TEMPORARY STOCKPILES OPEN AT ANY ONE TIME WILL BE MINIMISED, AS FAR AS PRACTICABLE.
- SITE TRACKS**
9. USE OF TRACK SIDE SWALES (INFILTRATION DRAINS) WITH CHECK DAMS, WILL REDUCE SILT IN DRAINAGE WATER AS REQUIRED.
 10. CHECK DAMS TO BE INSPECTED AND CLEANED REGULARLY.
- REFUELLING**
11. REFUELLING OF MOBILE PLANT WILL BE COMPLETED IN DESIGNATED REFUELLING AREAS ONLY, PREFERABLY ON AN IMPERMEABLE SURFACE AND AWAY FROM INFILTRATION DRAINS / DITCHES.
 12. SPILL KITS AND DRIP TRAYS WILL BE AVAILABLE ON SITE FOR USE AS REQUIRED.
- CONCRETE**
13. CARE WILL BE TAKEN WHEN COMPLETING CONCRETE WORKS ON SITE TO ENSURE NO DISCHARGES TO GROUND OCCUR.
 14. CONCRETE WASH WATER, AND WASTE CONCRETE WILL BE MANAGED APPROPRIATELY ON SITE.

IF WATER POLLUTION IS IDENTIFIED THE FOLLOWING STEPS WOULD BE ADHERED TO:

STOP - WORK IN THE IMMEDIATE AREA SHOULD BE STOPPED AND THE SOURCE OF THE POLLUTION IDENTIFIED.

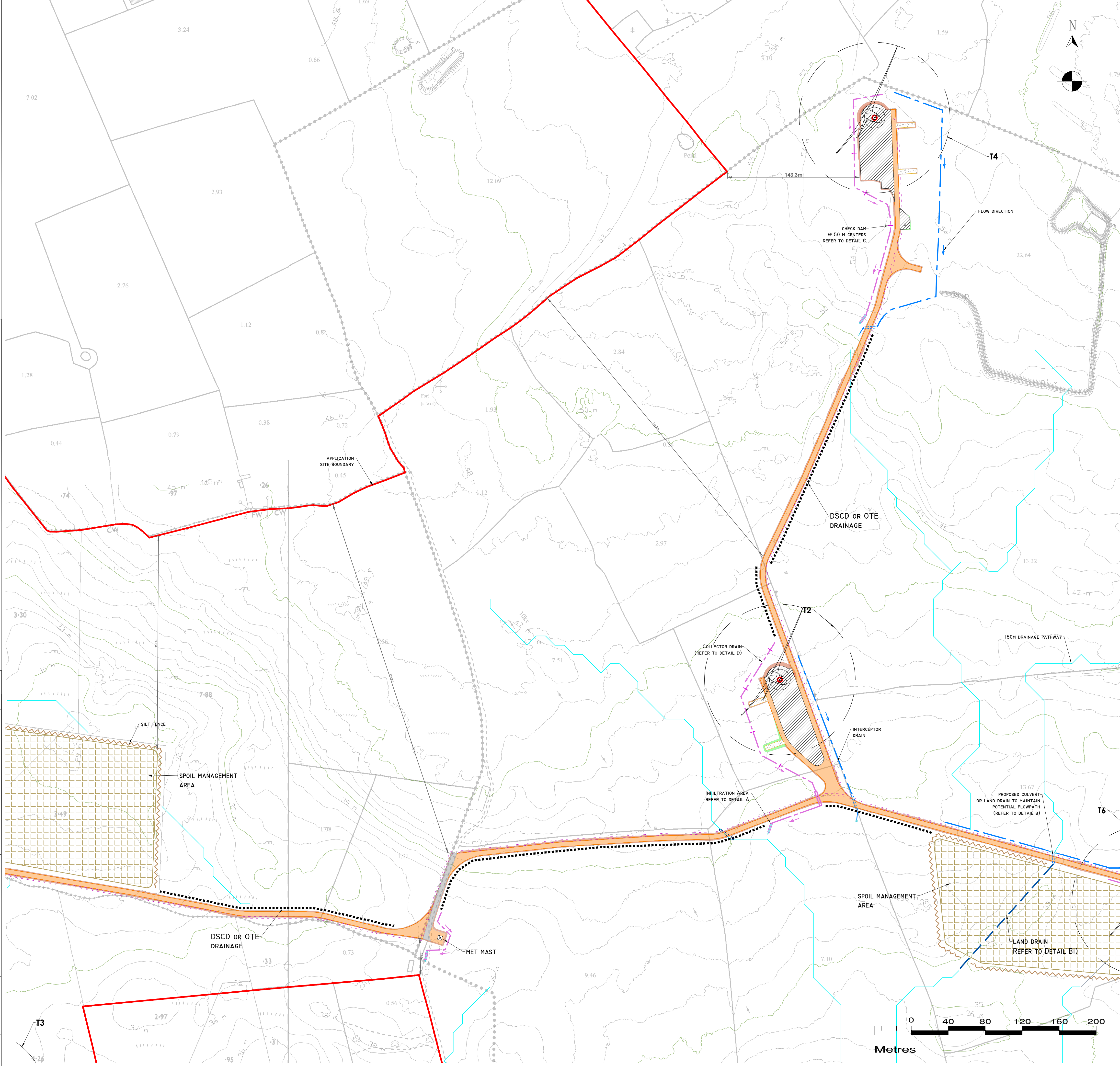
CONTAIN - THE SOURCE OF THE POLLUTION SHOULD BE BUNDED USING A SUITABLE METHOD.

NOTIFY - THE RELEVANT AUTHORITIES (SITE MANAGER / FISHERIES / NPWS / LOCAL AUTHORITY ETC.) SHOULD BE NOTIFIED IMMEDIATELY TO ENSURE THAT MEASURES CAN BE TAKEN TO PREVENT FURTHER POLLUTION.

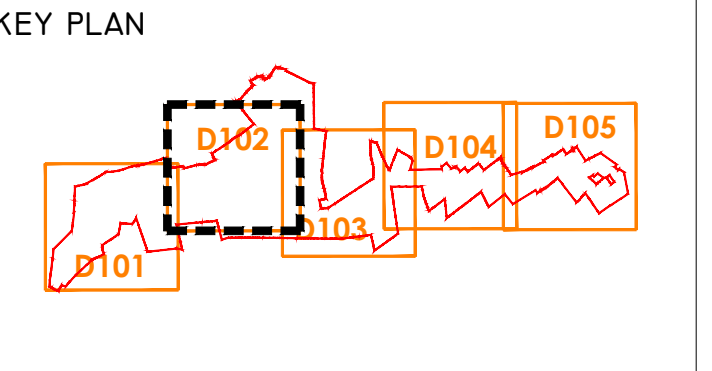
- DRAINAGE NOTES:**
1. ROADWAY SURFACING DESIGN AND CONSTRUCTION TO ENGINEER'S SPECIFICATION (I.E. BY OTHERS).
 2. SPARE STRAW BALES/SILT FENCING/ OR SIMILAR, TO BE STORED ON SITE. THE LEVEL OF SILT IN DRAINAGE WATER DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING ADDITIONAL CHECK DAMS, SILT FENCES, STRAW BALES / OR SIMILAR AT THE PROBLEM AREAS.
 3. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACKS. INTERIM MEASURES SUCH AS THE PLACEMENT OF STRAW BALES/SILT FENCING/OR SIMILAR APPROVED METHOD OR ADDITIONAL CHECK DAMS AND SILT FENCES TO BE EMPLOYED IN ALL INSTANCES WHERE WORK CARRIED OUT TO CONSTRUCT THE ACCESS TRACKS IS LIKELY TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS THROUGH INCREASED SILT LOADINGS BEING GENERATED DURING THE CONSTRUCTION PHASE.
 4. SUITABLE DRAINAGE MANAGEMENT/PREVENTION MEASURES WILL BE IN PLACE AT ALL TIMES TO PREVENT THE CONVEYANCE OF SIGNIFICANT VOLUMES OF SILT TO THE DRAINAGE SYSTEM.
 5. INTERCEPTOR SWALES / DITCHES TO BE USED TO COLLECT UPSTREAM CLEAN SURFACE WATER FLOWS. REGULAR CROSS DRAINS / FIELD DRAINS WILL BE REQUIRED TO TRANSFER RUNOFF IN INTERCEPTOR DRAINS TO SUITABLE DOWNSTREAM RECHARGE AREAS.
 6. DRAINAGE SWALES / DOWNSTREAM COLLECTOR DRAINS TO BE EXCAVATED ADJACENT TO THE ACCESS TRACKS AS REQUIRED. REGULAR CROSS DRAINS/FIELD DRAINS TO BE LOCATED ALONG ACCESS TRACKS TO MAINTAIN DRAINAGE PATHWAYS, AND TO PREVENT EXCESSIVE VOLUMES OF WATER COLLECTING IN THE SWALES / DITCHES. LOCATIONS OF CROSS DRAINS TO BE AGREED WITH THE ENGINEER ON SITE.
 7. BATTERS OF ALL PROPOSED SWALES / DITCHES TO HAVE A SLOPE OF BETWEEN 1 : 1.5 TO 1 : 2 DEPENDING UPON DEPTH OF SWALE/DITCH AND WILL BE LEFT AS CUT TO RE-VEGETATE WITH LOCAL SPECIES.
 8. TRACK SIDE SWALES / INFILTRATION DRAINS TO BE SHALLOW WITH MODERATE GRADIENTS TO PREVENT SCOURING. IN STEEP AREAS CHECK DAMS WILL BE INSTALLED TO REDUCE FLOW VELOCITIES AND PROVIDE SOURCE CONTROL OF SILT CONTAINMENT.
 9. STRAW BALES / OR SIMILAR AND SILT FENCES TO BE USED ALSO AROUND SPOIL STORAGE AREAS TO MITIGATE SILT RUNOFF. SILT FENCES WILL BE REMOVED WHEN SUITABLE VEGETATION COVER IS ESTABLISHED.
 10. SLOPES OF THE SWALES / DITCHES TO BE VEGETATED OR PROTECTED FROM EROSION UNTIL VEGETATION HAS BEEN ESTABLISHED. STRIPPED VEGETATIVE LAYER ('SCRAW') FROM EXCAVATIONS TO BE STORED LOCALLY AND USED TO LINE SLOPES AND BASE OF SWALES / DITCHES OR LONGITUDINAL MOUNDS OF VEGETATION SWALES AT INFILTRATION AREAS.
 11. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
 12. CLEAN STONE FLOW CONTROL CHECK DAMS TO BE MADE OF LOCALLY WON / GEOLOGICALLY SIMILAR WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE TYPICALLY 20 - 40MM CLEAN STONE. ON SLOPING SECTIONS OF THE ACCESS TRACKS, 40MM CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100MM STONE ON THE DOWNHILL FACE OF THE CHECK DAM AND BY WRAPPING IN GEOTEXTILE.
 13. BUILD UP OF SILT LEVELS AT CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. SILT LEVELS AT CHECK DAMS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING DRAINAGE MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND REPLACED SUBSEQUENT TO THE REMOVAL OF SILT.
 14. SPACING AND FREQUENCY OF CHECK DAMS WILL BE DEPENDENT UPON LONGITUDINAL GRADIENT OF SWALE/INFILTRATION DRAIN.
 15. OIL FUEL SHOULD BE STORED WITHIN BUNDED CONTAINMENT STRUCTURES.
 16. SILT BAGS WILL BE USED ON SITE AS NECESSARY.

MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE

MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS	1) USING SMALL WORKING AREAS 2) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS / OVERSIZED SWALES, DIVERSION DRAINS, LAND DRAINS AND CULVERT PIPES 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS 3) USING SMALL WORKING AREAS 4) SURROUNDING TEMPORARY STOCKPILES WITH SILT FENCING 5) WEATHERING OFF / SEALING PEAT STOCKPILES
IN-LINE CONTROLS	1) INTERCEPTOR DRAINS, OVERSIZED SWALES/COLLECTOR DRAINS 2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) STRAW BALES E) AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 3) SILT FENCES, FILTER FABRICS 4) TEMPORARY SUMPS, PUMPING SYSTEMS 5) SWALES/INFILTRATION DRAINS, AND INFILTRATION AREAS
WATER TREATMENT CONTROLS	1) TEMPORARY SUMPS 2) TEMPORARY STORAGE LAGOONS 3) INFILTRATION DRAINS / AREAS 4) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILTBUSTER, AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS. 5) SILT DEWATERING BAGS
OUTFALL CONTROLS	1) INFILTRATION DRAINS 2) INFILTRATION AREAS 3) SILT DEWATERING BAGS



- DRAWING LEGEND :**
- EXISTING DRAINAGE AT THE PROPOSED WIND FARM SITE IS DOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES >150M LENGTH*
 - PROPOSED DRAINAGE PATHWAY REDIRECTION
 - PROPOSED LAND DRAIN
 - UPSTREAM INTERCEPTOR DRAIN
 - INFILTRATION SWALES/DSCD**
 - DSCD OR OVER THE EDGE DRAINAGE (OTE)
 - DIRECTION OF FLOW
 - SILT FENCE(S)
 - CHECK DAM 'TYPE A'
 - INFILTRATION AREA
 - RUN OFF DRAIN (CLEAN) WITH INFILTRATION
 - ACO DRAIN
 - PLANNING APPLICATION AREA
 - EXISTING GROUND SURFACE CONTOUR (1 M INTERVAL)
 - TURBINE AND SWEEP AREA
 - PROPOSED NEW ROADS
 - EXISTING ROADS PROPOSED TO BE UPGRADED
 - TEMPORARY CONSTRUCTION ENTRANCE
 - TEMPORARY CONSTRUCTION COMPOUND
 - SPOIL MANAGEMENT AREA
 - HARDSTAND
 - ELECTRICITY CABLE TRENCH
 - SUBSTATION AND TEMPORARY CONSTRUCTION COMPOUND (SUBJECT TO A SEPARATE PLANNING APPLICATION)
 - CUT AREA
 - FILL AREA
 - DISTANCES FROM THE PROPOSED INFRASTRUCTURE TO THE APPLICATION SITE BOUNDARY
- * POTENTIAL DRAINAGE FLOWPATHS ARE MODELLED BASED ON LIDAR DATA AND DO NOT INDICATE THE PRESENCE OF A DRAIN OR WATERCOURSE DOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES
- ** DSCD - DOWNSTREAM COLLECTOR DRAIN



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Revisions

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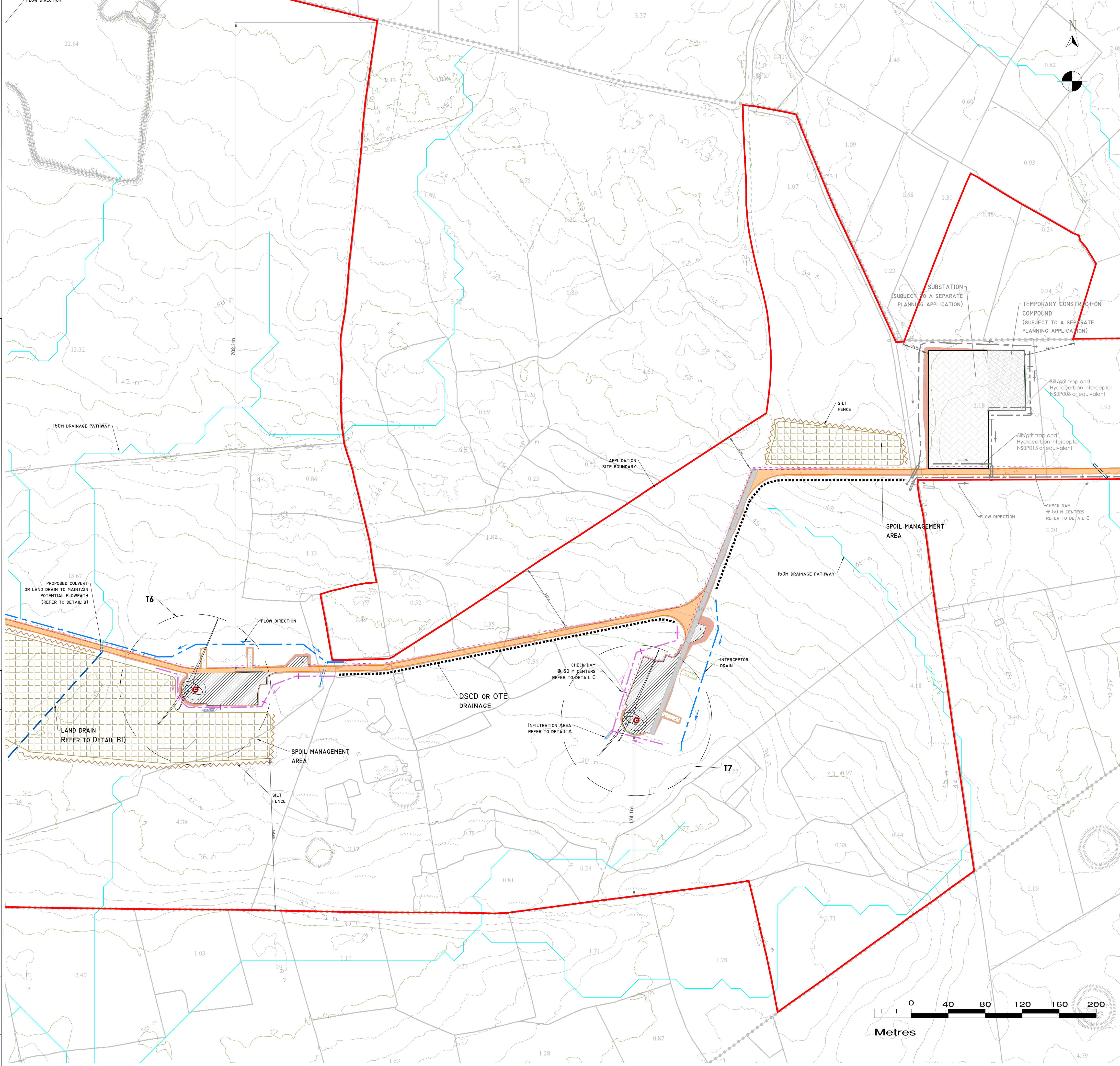
Title: PROPOSED DRAINAGE LAYOUT

Figure No: D102 - F1

Drawing No: P1574-0-0825-A1-D102-00E

Sheet Size: A1	Project No.: P1574-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 15/08/2025	Checked By: MG

POLLUTION PREVENTION NOTES:	
1. SITE MANAGEMENT PROPOSALS ARE INTENDED TO ENSURE PROTECTION AGAINST GROUNDWATER POLLUTION, SILTATION AND EROSION.	
2. SUITABLE DRAINAGE CONTROL MEASURES WILL BE IN PLACE AT ALL TIMES MANAGE SILT AND DRAINAGE RUNOFF.	
3. SILTY WATER CAN ARISE FROM DEWATERING EXCAVATIONS, EROSION OF EXPOSED/DISTURBED GROUND, TEMPORARY STOCKPILES, PLANT AND WHEEL WASH, SITE ROADS/TRACKS, AND DISTURBANCE OF DRAINAGE PATHWAYS.	
DISCHARGES	
4. ALL DRAINAGE DISCHARGES TO BE MADE OVER OPEN GROUND OR INTO INFILTRATION DRAIN OR INFILTRATION AREA. ALL DISCHARGES WILL BE TO GROUND. THERE ARE NO NATURAL WATERCOURSES AT THIS SITE.	
5. PUMPED WATER WILL BE DIRECTED INTO TRACK SIDE INFILTRATION DRAINS AND TREATED IN THOSE DRAINS AND THE INFILTRATIONS AREAS PRIOR TO RECHARGE TO GROUND.	
6. PUMPING OF CLEAN WATER FROM EXCAVATIONS / OR OVER-PUMPING IN DRAINS/DITCHES WILL BE COMPLETED IN A MANNER THAT DOES NOT CAUSE SCOUR OR EROSION AT THE POINT OF RELEASE/DISCHARGE. THIS WILL BE DONE BY REDUCING THE FLOW VELOCITIES OR BY USE OF SPLASH PLATES, AND OTHER SIMILAR DISCHARGE CONTROLS.	
EXCAVATIONS	
7. WHERE DEEP EXCAVATIONS ARE PROPOSED CUT-OFF DRAINS WILL BE USE TO REDUCE THE AMOUNT OF SURFACE WATER ENTERING THE EXCAVATION. THIS WILL BE THE CASE AROUND TURBINE BASE EXCAVATIONS.	
EXPOSED GROUND & STOCKPILES	
8. THE AMOUNT OF EXPOSED GROUND AND TEMPORARY STOCKPILES OPEN AT ANY ONE TIME WILL BE MINIMISED, AS FAR AS PRACTICABLE.	
SITE TRACKS	
9. USE OF TRACK SIDE SWALES (INFILTRATION DRAINS) WITH CHECK DAMS, WILL REDUCE SILT IN DRAINAGE WATER AS REQUIRED.	
10. CHECK DAMS TO BE INSPECTED AND CLEANED REGULARLY.	
REFUELLING	
11. REFUELLING OF MOBILE PLANT WILL BE COMPLETED IN DESIGNATED REFUELLING AREAS ONLY, PREFERABLY ON AN IMPERMEABLE SURFACE AND AWAY FROM INFILTRATION DRAINS / DITCHES.	
12. SPILL KITS AND DRIP TRAYS WILL BE AVAILABLE ON SITE FOR USE AS REQUIRED.	
CONCRETE	
13. CARE WILL BE TAKEN WHEN COMPLETING CONCRETE WORKS ON SITE TO ENSURE NO DISCHARGES TO GROUND OCCUR.	
14. CONCRETE WASH WATER, AND WASTE CONCRETE WILL BE MANAGED APPROPRIATELY ON SITE.	
IF WATER POLLUTION IS IDENTIFIED THE FOLLOWING STEPS WOULD BE ADHERED TO:	
STOP - WORK IN THE IMMEDIATE AREA SHOULD BE STOPPED AND THE SOURCE OF THE POLLUTION IDENTIFIED.	
CONTAIN - THE SOURCE OF THE POLLUTION SHOULD BE BUNDED USING A SUITABLE METHOD.	
NOTIFY - THE RELEVANT AUTHORITIES (SITE MANAGER / FISHERIES / NPWS / LOCAL AUTHORITY ETC.) SHOULD BE NOTIFIED IMMEDIATELY TO ENSURE THAT MEASURES CAN BE	
DRAINAGE NOTES:	
1. ROADWAY SURFACING DESIGN AND CONSTRUCTION TO ENGINEER'S SPECIFICATION (I.E. BY OTHERS).	
2. SPARE STRAW BALES/SILT FENCING/ OR SIMILAR, TO BE STORED ON SITE. THE LEVEL OF SILT IN DRAINAGE WATER DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING ADDITIONAL CHECK DAMS, SILT FENCES, STRAW BALES / OR SIMILAR AT THE PROBLEM AREAS.	
3. SUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACKS. INTERIM MEASURES SUCH AS THE PLACEMENT OF STRAW BALES/SILT FENCING/OR SIMILAR APPROVED METHOD OR ADDITIONAL CHECK DAMS AND SILT FENCES TO BE EMPLOYED IN ALL INSTANCES WHERE WORK CARRIED OUT TO CONSTRUCT THE ACCESS TRACKS IS LIKELY TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS THROUGH INCREASED SILT LOADINGS BEING GENERATED DURING THE CONSTRUCTION PHASE.	
4. SUITABLE DRAINAGE MANAGEMENT/prevention MEASURES WILL BE IN PLACE AT ALL TIMES TO PREVENT THE CONVEYANCE OF SIGNIFICANT VOLUMES OF SILT TO THE DRAINAGE SYSTEM.	
5. INTERCEPTOR SWALES / DITCHES TO BE USED TO COLLECT UPSTREAM CLEAN SURFACE WATER FLOWS. REGULAR CROSS DRAINS / FIELD DRAINS WILL BE REQUIRED TO TRANSFER RUNOFF IN INTERCEPTOR DRAINS TO SUITABLE DOWNSTREAM RECHARGE AREAS.	
6. DRAINAGE SWALES / DOWNSTREAM COLLECTOR DRAINS TO BE EXCAVATED ADJACENT TO THE ACCESS TRACKS AS REQUIRED. REGULAR CROSS DRAINS/FIELD DRAINS TO BE LOCATED ALONG ACCESS TRACKS TO MAINTAIN DRAINAGE PATHWAYS, AND TO PREVENT EXCESSIVE VOLUMES OF WATER COLLECTING IN THE SWALES / DITCHES. LOCATIONS OF CROSS DRAINS TO BE AGREED WITH THE ENGINEER ON SITE.	
7. BATTERS OF ALL PROPOSED SWALES / DITCHES TO HAVE A SLOPE OF BETWEEN 1 : 1.5 TO 1 : 2 DEPENDING UPON DEPTH OF SWALE/DITCH AND WILL BE LEFT AS CUT TO RE-VEGETATE WITH LOCAL SPECIES.	
8. TRACK SIDE SWALES / INFILTRATION DRAINS TO BE SHALLOW WITH MODERATE GRADIENTS TO PREVENT SCOURING. IN STEEP AREAS CHECK DAMS WILL BE INSTALLED TO REDUCE FLOW VELOCITIES AND PROVIDE SOURCE CONTROL OF SILT CONTAINMENT.	
9. STRAW BALES / OR SIMILAR AND SILT FENCES TO BE USED ALSO AROUND SPOIL STORAGE AREAS TO MITIGATE SILT RUNOFF. SILT FENCES WILL BE REMOVED WHEN SUITABLE VEGETATION COVER IS ESTABLISHED.	
10. SLOPES OF THE SWALES / DITCHES TO BE VEGETATED OR PROTECTED FROM EROSION UNTIL VEGETATION HAS BEEN ESTABLISHED. STRIPPED VEGETATIVE LAYER ('SCRAW') FROM EXCAVATIONS TO BE STORED LOCALLY AND USED TO LINE SLOPES AND BASE OF SWALES / DITCHES OR LONGITUDINAL MOUNDS OF VEGETATION SWALES AT INFILTRATION AREAS.	
11. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.	
12. CLEAN STONE FLOW CONTROL CHECK DAMS TO BE MADE OF LOCALLY WON / GEOLOGICALLY SIMILAR WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE TYPICALLY 20 - 40MM CLEAN STONE OR SLOPING SECTIONS OF THE ACCESS TRACKS. 40MM CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100M STONE ON THE DOWNHILL FACE OF THE CHECK DAM AND BY WRAPPING IN GEOTEXTILE.	
13. BUILD UP OF SILT LEVELS AT CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. SILT LEVELS AT CHECK DAMS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING DRAINAGE MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND REPLACED SUBSEQUENT TO THE REMOVAL OF SILT.	
14. SPACING AND FREQUENCY OF CHECK DAMS WILL BE DEPENDENT UPON LONGITUDINAL GRADIENT OF SWALE/INFILTRATION DRAIN.	
15. OIL FUEL SHOULD BE STORED WITHIN BUNDED CONTAINMENT STRUCTURES.	
16. SILT BAGS WILL BE USED ON SITE AS NECESSARY.	
MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS	1) USING SMALL WORKING AREAS
	2) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS / OVERSIZED SWALES, DIVERSION DRAINS, LAND DRAINS AND CULVERT PIPES.
	2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS:
	A) CHECK DAMS AND SAND BAGS
	B) OYSTER BAGS FILLED WITH GRAVEL
	C) FILTER FABRICS
IN-LINE CONTROLS:	1) INTERCEPTOR DRAINS, OVERSIZED SWALES/COLLECTOR DRAINS
	2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS:
	A) CHECK DAMS AND SAND BAGS
	B) OYSTER BAGS FILLED WITH GRAVEL
	C) FILTER FABRICS
WATER TREATMENT CONTROLS:	1) TEMPORARY SUMPS
	2) TEMPORARY STORAGE LAGOONS
	3) INFILTRATION DRAINS / AREAS
	4) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILTBUSTER, AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS.
	5) SILT DEWATERING BAGS
OUTFALL CONTROLS:	1) INFILTRATION DRAINS
	2) INFILTRATION AREAS
	3) SILT DEWATERING BAGS



DRAWING LEGEND :

- EXISTING DRAINAGE AT THE PROPOSED WIND FARM SITE IS DOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES
- POTENTIAL DRAINAGE PATHWAYS >150M LENGTH*
- PROPOSED DRAINAGE PATHWAY REDIRECTION
- PROPOSED LAND DRAIN
- UPSTREAM INTERCEPTOR DRAIN
- INFILTRATION SWALES/DSCD**
- DSCD OR OVER THE EDGE DRAINAGE (OTE)
- DIRECTION OF FLOW
- SILT FENCE(S)
- CHECK DAM 'TYPE A'
- INFILTRATION AREA
- RUN OFF DRAIN (CLEAN) WITH INFILTRATION
- ACC DRAIN
- PLANNING APPLICATION AREA
- EXISTING GROUND SURFACE CONTOUR (1 M INTERVAL)
- TURBINE AND SWEEP AREA
- PROPOSED NEW ROADS
- EXISTING ROADS PROPOSED TO BE UPGRADED
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY CONSTRUCTION COMPOUND
- SPOIL MANAGEMENT AREA
- HARDSTAND
- ELECTRICITY CABLE TRENCH
- SUBSTATION AND TEMPORARY CONSTRUCTION COMPOUND (SUBJECT TO A SEPARATE PLANNING APPLICATION)
- CUT AREA
- FILL AREA
- DISTANCES FROM THE PROPOSED INFRASTRUCTURE TO THE APPLICATION SITE BOUNDARY
- POTENTIAL DRAINAGE FLOWPATHS ARE MODELLED BASED ON LIDAR DATA AND DO NOT INDICATE THE PRESENCE OF A DRAIN OR WATERCOURSE/INITIATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES
- ** DSCD - DOWNSTREAM COLLECTOR DRAIN

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Job: LAURCLAVAGH RENEWABLE ENERGY DEVELOPMENT, CO. GALWAY

Title: PROPOSED DRAINAGE LAYOUT

Figure No: D103 - F1

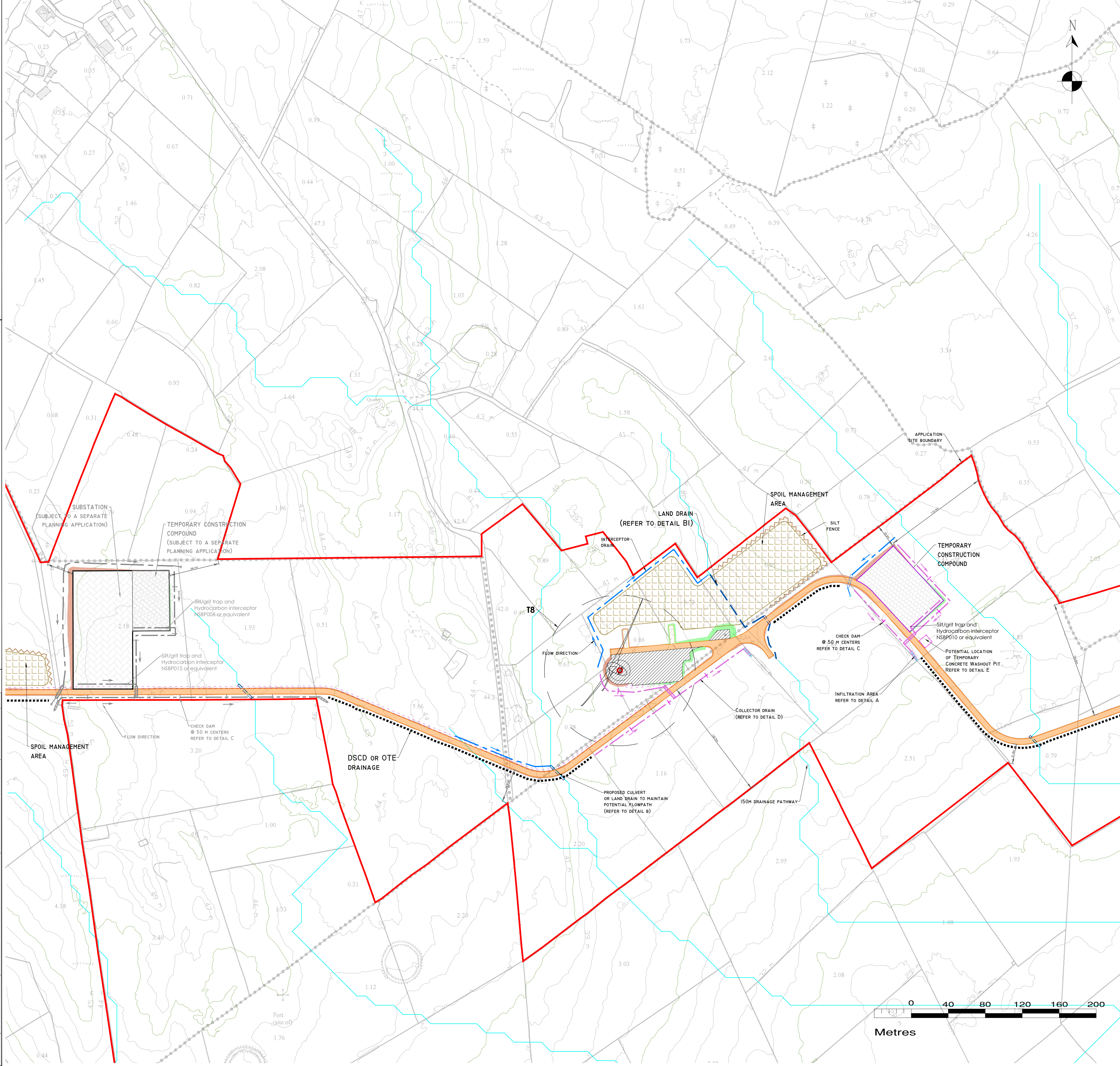
Drawing No: P1574-0-0825-A1-D103-00E

Sheet Size: A1	Project No.: P1574-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 15/08/2025	Checked By: MG

- POLLUTION PREVENTION NOTES:**
1. SITE MANAGEMENT PROPOSALS ARE INTENDED TO ENSURE PROTECTION AGAINST GROUNDWATER POLLUTION, SILTATION AND EROSION.
 2. SUITABLE DRAINAGE CONTROL MEASURES WILL BE IN PLACE AT ALL TIMES MANAGE SILT AND DRAINAGE RUNOFF.
 3. SILTY WATER CAN ARISE FROM DEWATERING EXCAVATIONS, EROSION OF EXPOSED/DISTURBED GROUND, TEMPORARY STOCKPILES, PLANT AND WHEEL WASH, SITE ROADS/TRACKS, AND DISTURBANCE OF DRAINAGE PATHWAYS.
- DISCHARGES**
4. ALL DRAINAGE DISCHARGES TO BE MADE OVER OPEN GROUND OR INTO INFILTRATION DRAIN OR INFILTRATION AREA. ALL DISCHARGES WILL BE TO GROUND. THERE ARE NO NATURAL WATERCOURSES AT THIS SITE.
 5. PUMPED WATER WILL BE DIRECTED INTO TRACK SIDE INFILTRATION DRAINS AND TREATED IN THOSE DRAINS AND THE INFILTRATIONS AREAS PRIOR TO RECHARGE TO GROUND.
 6. PUMPING OF CLEAN WATER FROM EXCAVATIONS / OR OVER-PUMPING IN DRAINS/DITCHES WILL BE COMPLETED IN A MANNER THAT DOES NOT CAUSE SCOUR OR EROSION AT THE POINT OF RELEASE/DISCHARGE. THIS WILL BE DONE BY REDUCING THE FLOW VELOCITIES OR BY USE OF SPLASH PLATES, AND OTHER SIMILAR DISCHARGE CONTROLS.
- EXCAVATIONS**
7. WHERE DEEP EXCAVATIONS ARE PROPOSED CUT-OFF DRAINS WILL BE USE TO REDUCE THE AMOUNT OF SURFACE WATER ENTERING THE EXCAVATION. THIS WILL BE THE CASE AROUND TURBINE BASE EXCAVATIONS.
- EXPOSED GROUND & STOCKPILES**
8. THE AMOUNT OF EXPOSED GROUND AND TEMPORARY STOCKPILES OPEN AT ANY ONE TIME WILL BE MINIMISED, AS FAR AS PRACTICABLE.
- SITE TRACKS**
9. USE OF TRACK SIDE SWALES (INFILTRATION DRAINS) WITH CHECK DAMS, WILL REDUCE SILT IN DRAINAGE WATER AS REQUIRED.
 10. CHECK DAMS TO BE INSPECTED AND CLEANED REGULARLY.
- REFUELLING**
11. REFUELLING OF MOBILE PLANT WILL BE COMPLETED IN DESIGNATED REFUELLING AREAS ONLY, PREFERABLY ON AN IMPERMEABLE SURFACE AND AWAY FROM INFILTRATION DRAINS / DITCHES.
 12. SPILL KITS AND DRIP TRAYS WILL BE AVAILABLE ON SITE FOR USE AS REQUIRED.
- CONCRETE**
13. CARE WILL BE TAKEN WHEN COMPLETING CONCRETE WORKS ON SITE TO ENSURE NO DISCHARGES TO GROUND OCCUR.
 14. CONCRETE WASH WATER, AND WASTE CONCRETE WILL BE MANAGED APPROPRIATELY ON SITE.

- IF WATER POLLUTION IS IDENTIFIED THE FOLLOWING STEPS WOULD BE ADHERED TO:
- STOP** - WORK IN THE IMMEDIATE AREA SHOULD BE STOPPED AND THE SOURCE OF THE POLLUTION IDENTIFIED.
- CONTAIN** - THE SOURCE OF THE POLLUTION SHOULD BE BUNDED USING A SUITABLE METHOD.
- NOTIFY** - THE RELEVANT AUTHORITIES (SITE MANAGER / FISHERIES / NPWS / LOCAL AUTHORITY ETC.) SHOULD BE NOTIFIED IMMEDIATELY TO ENSURE THAT MEASURES CAN BE IMPLEMENTED DOWNSTREAM TO PROTECT SENSITIVE RECEPTORS.
- DRAINAGE NOTES:**
1. ROADWAY SURFACING DESIGN AND CONSTRUCTION TO ENGINEER'S SPECIFICATION (I.E. BY OTHERS).
 2. SPARE STRAW BALES/SILT FENCING/ OR SIMILAR, TO BE STORED ON SITE. THE LEVEL OF SILT IN DRAINAGE WATER DURING CONSTRUCTION IS TO BE MONITORED VISUALLY AND EXCESSIVE SILT LEVELS IN ANY AREA TO BE TEMPORARILY MANAGED BY PLACING ADDITIONAL CHECK DAMS, SILT FENCES, STRAW BALES / OR SIMILAR AT THE PROBLEM AREAS.
 3. SLUDS SYSTEM TO BE CONSTRUCTED PRIOR TO, OR AT THE SAME TIME AS THE ACCESS TRACKS. INTERIM MEASURES SUCH AS THE PLACEMENT OF STRAW BALES/SILT FENCING/OR SIMILAR APPROVED METHOD OR ADDITIONAL CHECK DAMS AND SILT FENCES TO BE EMPLOYED IN ALL INSTANCES WHERE WORK CARRIED OUT TO CONSTRUCT THE ACCESS TRACKS IS LIKELY TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS THROUGH INCREASED SILT LOADINGS BEING GENERATED DURING THE CONSTRUCTION PHASE.
 4. SUITABLE DRAINAGE MANAGEMENT/PREVENTION MEASURES WILL BE IN PLACE AT ALL TIMES TO PREVENT THE CONVEYANCE OF SIGNIFICANT VOLUMES OF SILT TO THE DRAINAGE SYSTEM.
 5. INTERCEPTOR SWALES / DITCHES TO BE USED TO COLLECT UPSTREAM CLEAN SURFACE WATER FLOWS. REGULAR CROSS DRAINS / FIELD DRAINS WILL BE REQUIRED TO TRANSFER RUNOFF IN INTERCEPTOR DRAINS TO SUITABLE DOWNSTREAM RECHARGE AREAS.
 6. DRAINAGE SWALES / DOWNSTREAM COLLECTOR DRAINS TO BE EXCAVATED ADJACENT TO THE ACCESS TRACKS AS REQUIRED. REGULAR CROSS DRAINS/FIELD DRAINS TO BE LOCATED ALONG ACCESS TRACKS TO MAINTAIN DRAINAGE PATHWAYS, AND TO PREVENT EXCESSIVE VOLUMES OF WATER COLLECTING IN THE SWALES / DITCHES. LOCATIONS OF CROSS DRAINS TO BE AGREED WITH THE ENGINEER ON SITE.
 7. BATTERS OF ALL PROPOSED SWALES / DITCHES TO HAVE A SLOPE OF BETWEEN 1 : 1.5 TO 1 : 2 DEPENDING UPON DEPTH OF SWALE/DITCH AND WILL BE LEFT AS CUT TO RE-VEGETATE WITH LOCAL SPECIES.
 8. TRACK SIDE SWALES / INFILTRATION DRAINS TO BE SHALLOW WITH MODERATE GRADIENTS TO PREVENT SCOURING. IN STEEP AREAS CHECK DAMS WILL BE INSTALLED TO REDUCE FLOW VELOCITIES AND PROVIDE SOURCE CONTROL OF SILT CONTAINMENT.
 9. STRAW BALES / OR SIMILAR AND SILT FENCES TO BE USED ALSO AROUND SPOIL STORAGE AREAS TO MITIGATE SILT RUNOFF. SILT FENCES WILL BE REMOVED WHEN SUITABLE VEGETATION COVER IS ESTABLISHED.
 10. SLOPES OF THE SWALES / DITCHES TO BE VEGETATED OR PROTECTED FROM EROSION UNTIL VEGETATION HAS BEEN ESTABLISHED. STRIPPED VEGETATIVE LAYER ('SCRAW') FROM EXCAVATIONS TO BE STORED LOCALLY AND USED TO LINE SLOPES AND BASE OF SWALES / DITCHES OR LONGITUDINAL MOUNDS OF VEGETATION SWALES AT INFILTRATION AREAS.
 11. AREAS STRIPPED OF VEGETATION SHOULD BE KEPT TO A MINIMUM.
 12. CLEAN STONE FLOW CONTROL CHECK DAMS TO BE MADE OF LOCALLY WON / GEOLOGICALLY SIMILAR WELL GRADED STONE. AGGREGATE SIZE FOR STONE CHECK DAMS TO BE TYPICALLY 20- 40MM CLEAN STONE. ON SLOPING SECTIONS OF THE ACCESS TRACKS, LOWY CHECK DAMS TO BE PROTECTED FROM WASHING AWAY THROUGH THE PLACEMENT OF 100M STONE ON THE DOWNHILL FACE OF THE CHECK DAM AND BY WRAPPING IN GEOTEXTILE.
 13. BUILD UP OF SILT LEVELS AT CHECK DAMS TO BE REMOVED AND DISPOSED OF APPROPRIATELY. SILT LEVELS AT CHECK DAMS TO BE VISUALLY INSPECTED AS PART OF AN ONGOING DRAINAGE MAINTENANCE PROGRAMME DURING THE CONSTRUCTION PHASE. WHERE CHECK DAMS BECOME CLOGGED WITH SILT OR VEGETATION, STONE CHECK DAM TO BE REMOVED AND REPLACED SUBSEQUENT TO THE REMOVAL OF SILT.
 14. SPACING AND FREQUENCY OF CHECK DAMS WILL BE DEPENDANT UPON LONGITUDINAL GRADIENT OF SWALE/INFILTRATION DRAIN.
 15. OIL FUEL SHOULD BE STORED WITHIN BUNDED CONTAINMENT STRUCTURES.
 16. SILT BAGS WILL BE USED ON SITE AS NECESSARY.

MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE	
MANAGEMENT TYPE	DESCRIPTION OF SUDS DRAINAGE CONTROL METHODS
AVOIDANCE CONTROLS	1) USING SMALL WORKING AREAS
	2) WORKING IN APPROPRIATE WEATHER, AND SUSPENDING CERTAIN WORK ACTIVITIES IN ADVANCE OF FORECASTED WET WEATHER
SOURCE CONTROLS:	1) USE OF UPSTREAM INTERCEPTOR DRAINS AND DOWNSTREAM COLLECTOR DRAINS / OVERSIZED SWALES, DIVERSION DRAINS, LAND DRAINS AND CULVERT PIPES
	2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) AND OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS
IN-LINE CONTROLS:	3) USING SMALL WORKING AREAS
	4) SURROUNDING TEMPORARY STOCKPILES WITH SILT FENCING 5) WEATHERING OFF / SEALING PEAT STOCKPILES
WATER TREATMENT CONTROLS:	1) INTERCEPTOR DRAINS, OVERSIZED SWALES/COLLECTOR DRAINS
	2) EROSION AND VELOCITY CONTROL MEASURES SUCH AS: A) CHECK DAMS AND SAND BAGS B) OYSTER BAGS FILLED WITH GRAVEL C) FILTER FABRICS D) STRAW BALES E) AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS.
OUTFALL CONTROLS:	3) TEMPORARY SUMPS
	4) TEMPORARY STORAGE LAGOONS
	5) INFILTRATION DRAINS / AREAS
	6) PROPRIETARY SETTLEMENT SYSTEMS SUCH AS SILTBUSTER, AND/OR OTHER SIMILAR/EQUIVALENT OR APPROPRIATE SYSTEMS.
	7) SILT DEWATERING BAGS
	8) INFILTRATION DRAINS
	9) INFILTRATION AREAS
	10) SILT DEWATERING BAGS



DRAWING LEGEND :

- EXISTING DRAINAGE AT THE PROPOSED WIND FARM SITE IS DOMINATED BY RECHARGE TO GROUND, AND THERE ARE NO MAPPED NATURAL WATERCOURSES
- POTENTIAL DRAINAGE PATHWAYS >150M LENGTH*
- PROPOSED DRAINAGE PATHWAY REDIRECTION
- PROPOSED LAND DRAIN
- UPSTREAM INTERCEPTOR DRAIN
- INFILTRATION SWALES/DSCD**
- DSCD OR OVER THE EDGE DRAINAGE (OTE)
- DIRECTION OF FLOW
- SILT FENCE(S)
- CHECK DAM 'TYPE A'
- INFILTRATION AREA
- RUN OFF DRAIN (CLEAN) WITH INFILTRATION
- ACO DRAIN

KEY PLAN

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Job: LAURCLAVAGH RENEWABLE ENERGY DEVELOPMENT, Co. GALWAY

Title: PROPOSED DRAINAGE LAYOUT

Figure No: D104 - F1

Drawing No: P1574-0-0525-A1-D104-00E

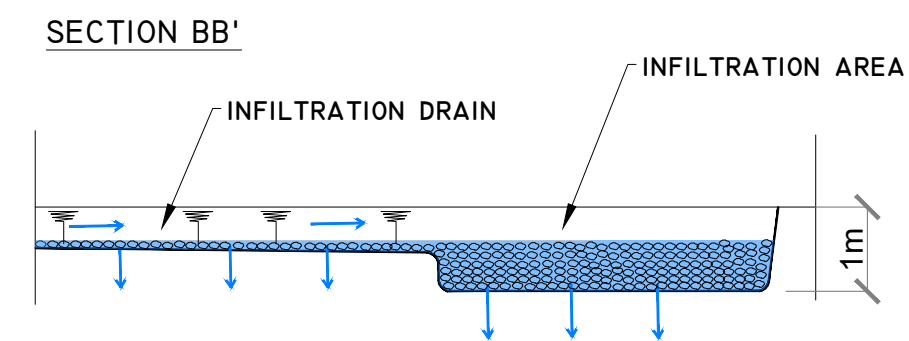
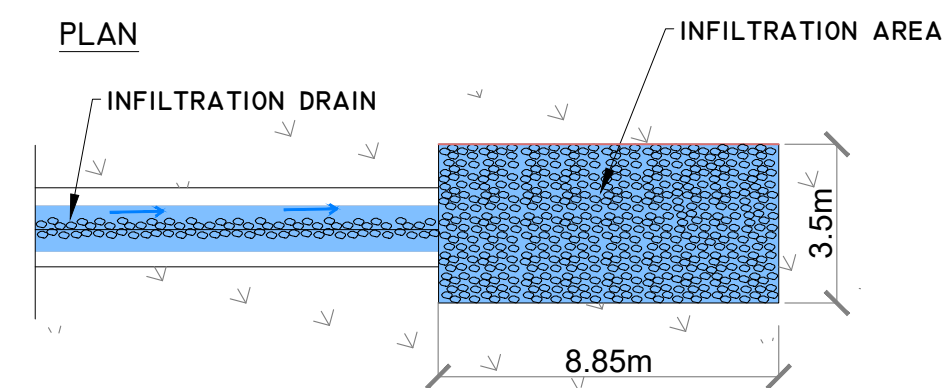
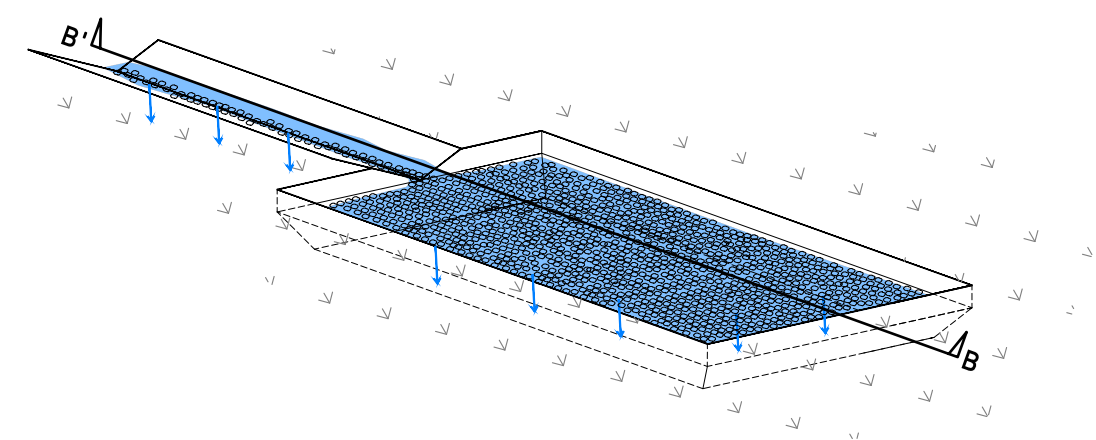
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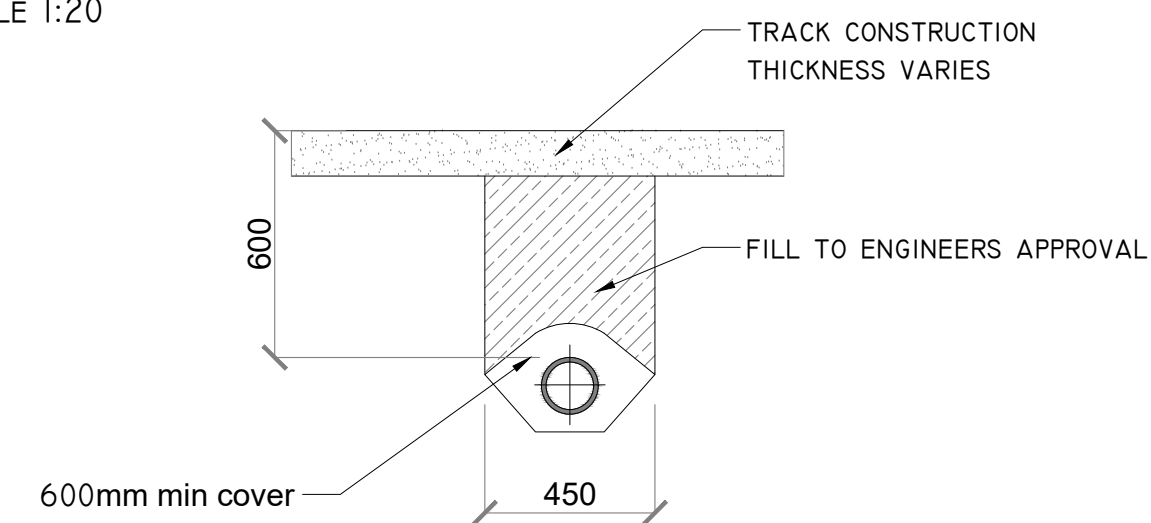
Date: 15/08/2025 Checked By: MG

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Checked By: MG	15/08/2025

INFILTRATION AREA
SCHEMATIC - NOT TO SCALE

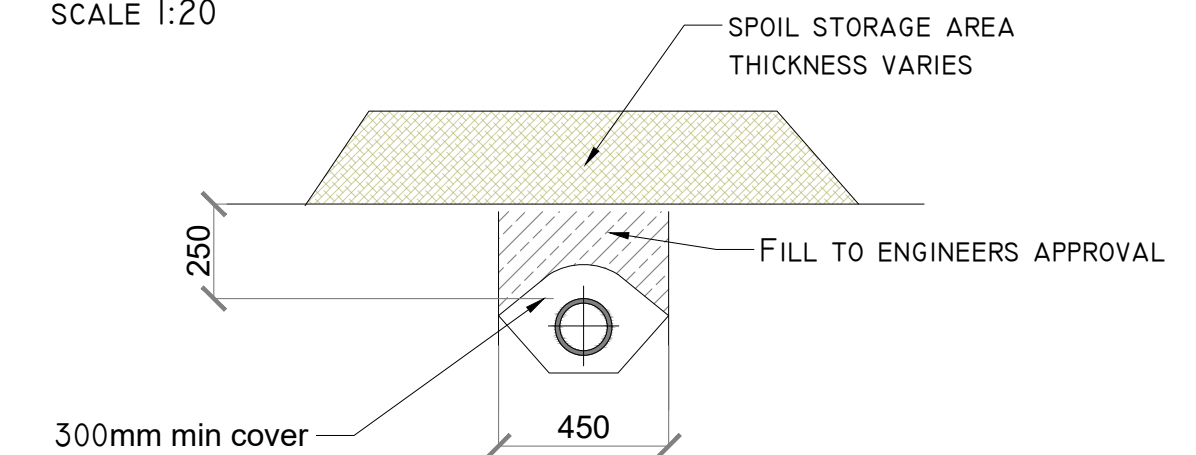


TYPICAL UNDER TRACK DRAINAGE
SCALE 1:20



NOTE:
150-300mm DIAMETER UPVC PIPES FOR
EXISTING DRAINAGE PATHWAYS
TO DISCHARGE TO TRACKSIDE INFILTRATION
DRAIN OR INFILTRATION AREA

TYPICAL LAND DRAIN
SCALE 1:20

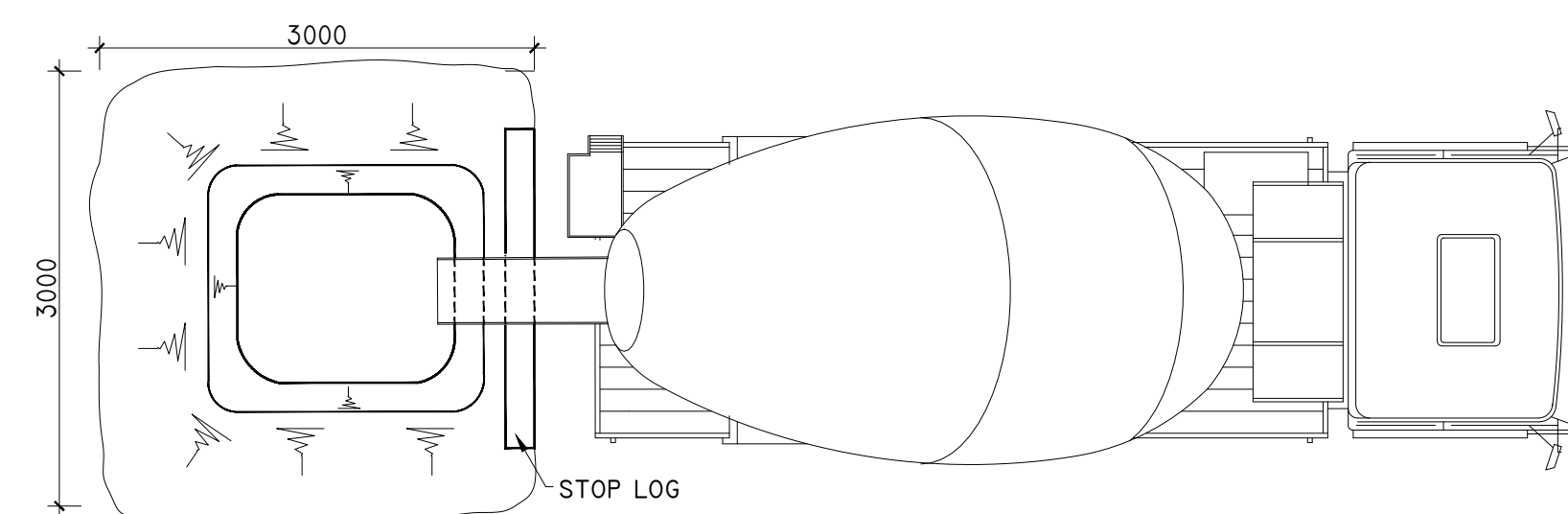


NOTE:
150-300mm DIAMETER UPVC PIPES
DISCHARGE TO DOWNSTREAM INFILTRATION DRAIN
OR INFILTRATION AREA.

Technical drawing illustrating the construction of a stone check dam. The top view shows the dam structure with dimensions: 750-1000 for the width and 20-40mm for the stone size. The side view shows the dam structure with dimensions: 250-350mm for the height and 20-40mm for the stone size. The drawing includes labels for 'PROVIDE GEOTEXTILE WRAP IF NECESSARY', 'ACCESS ROADWAY', 'ROAD SIDE DITCH', and 'STONE CHECK DAM 20-40MM DRAINAGE STONE'.

TYPE X - CHECK DAM DETAIL

TEMPORARY CONCRETE WASH OUT PIT



EXCAVATED MATERIAL TO FORM BERM ON DOWNSTREAM EDGE OF DITCH

NATURAL SURFACE VEGETATION

400-600

DRAINAGE STONE AND INFILTRATION TO GROUND

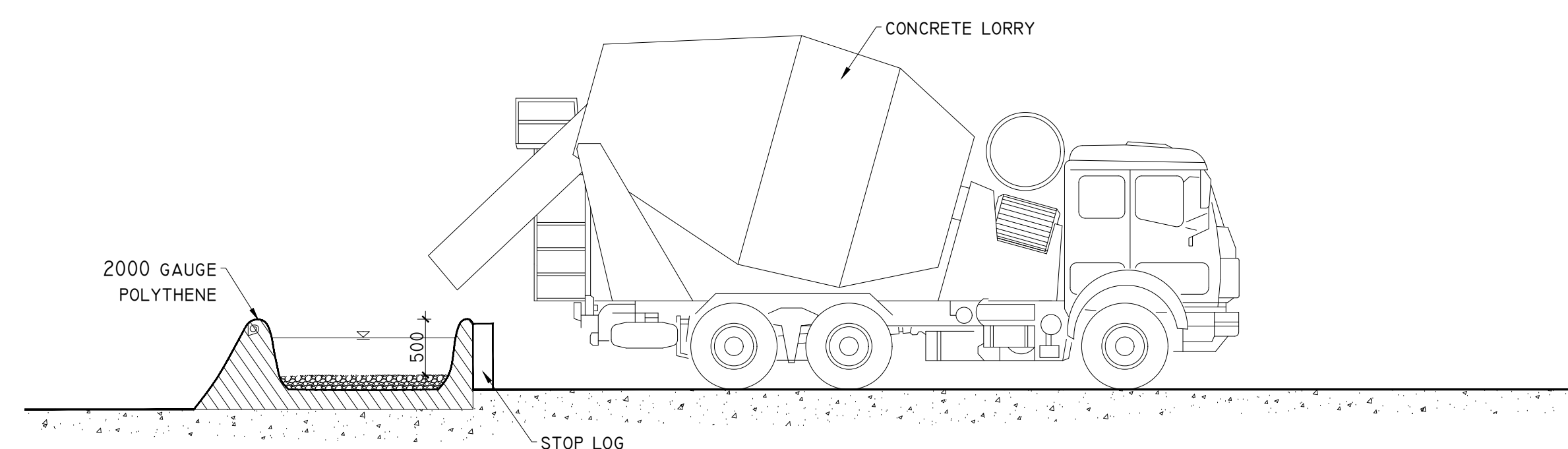
ROAD CONSTRUCTION AS PER CLIENT SPECIFICATIONS

SUBSOIL

DEPTH GENERALLY 200-400MM BUT VARIES DEPENDING ON GRADIENT

The diagram shows a cross-section of a ditch. On the left, a grassy slope represents 'NATURAL SURFACE VEGETATION'. A dashed line indicates the 'EXCAVATED MATERIAL TO FORM BERM ON DOWNSTREAM EDGE OF DITCH'. The ditch itself has a width of '400-600' mm. The bottom of the ditch is filled with 'DRAINAGE STONE AND INFILTRATION TO GROUND'. Below the stones is a layer labeled 'SUBSOIL'. The ditch is bordered on the right by 'ROAD CONSTRUCTION AS PER CLIENT SPECIFICATIONS'. A note at the bottom states 'DEPTH GENERALLY 200-400MM BUT VARIES DEPENDING ON GRADIENT'. Blue arrows indicate water flowing from the road area, through the stones, and into the ground.

TYPICAL COLLECTOR DITCH WITH INFILTRATION
SCALE 1:50



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Title: DRAINAGE DETAILS

Figure No: D50I_V2

Drawing No: P1574-2-0725-A1-D501_V2-00A

Sheet Size: A1	Project No.: P1574-2
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Scale: as shown (A1)	Drawn By: MG/GA
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Date: 21/07/2025	Checked By: M.G.
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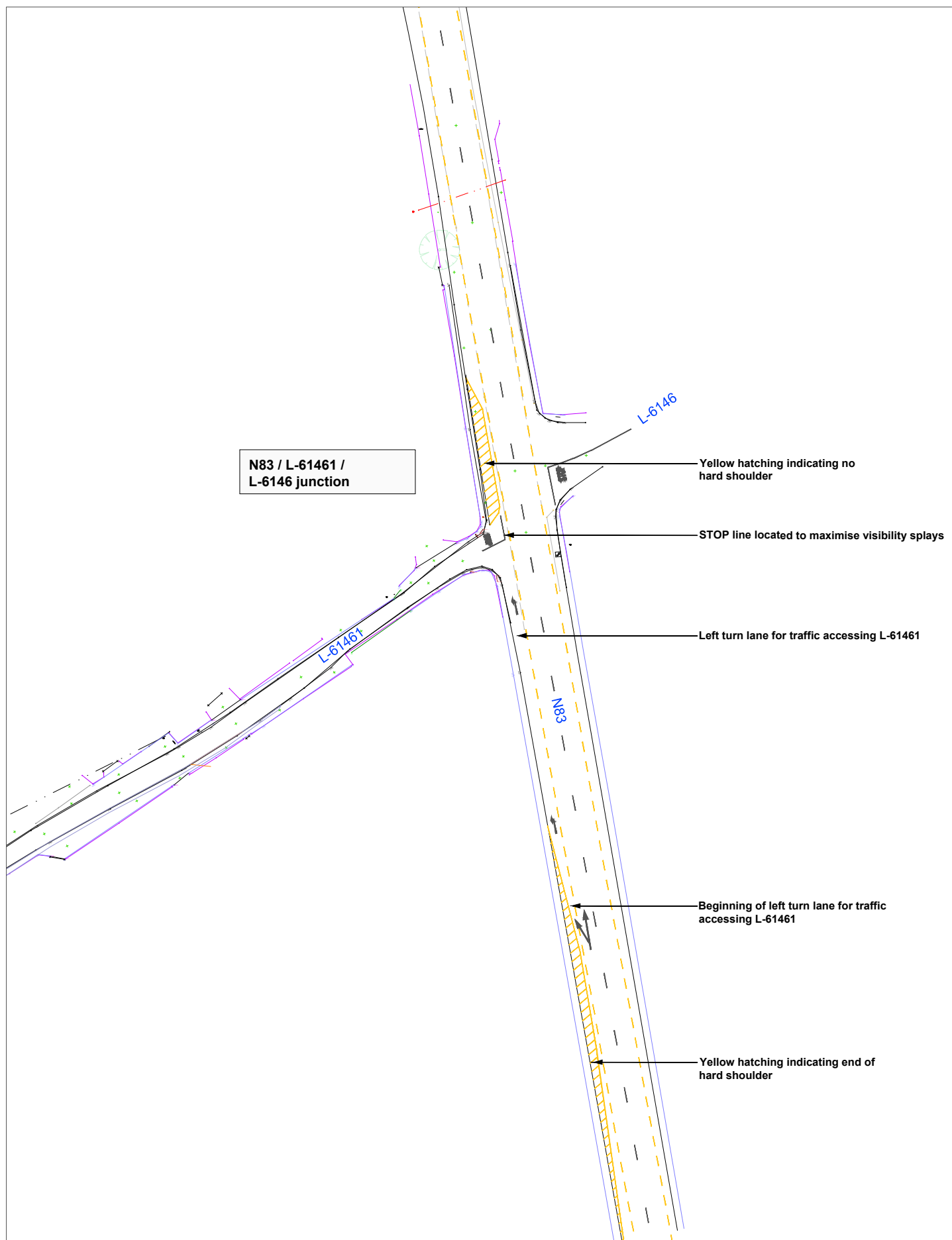


Figure FI 1 N83 / L61461 / L61461 junction with STOP line located at carriageway edge

PROJECT: Laurclavagh Renewable Energy Development

CLIENT: Laurclavagh Ltd

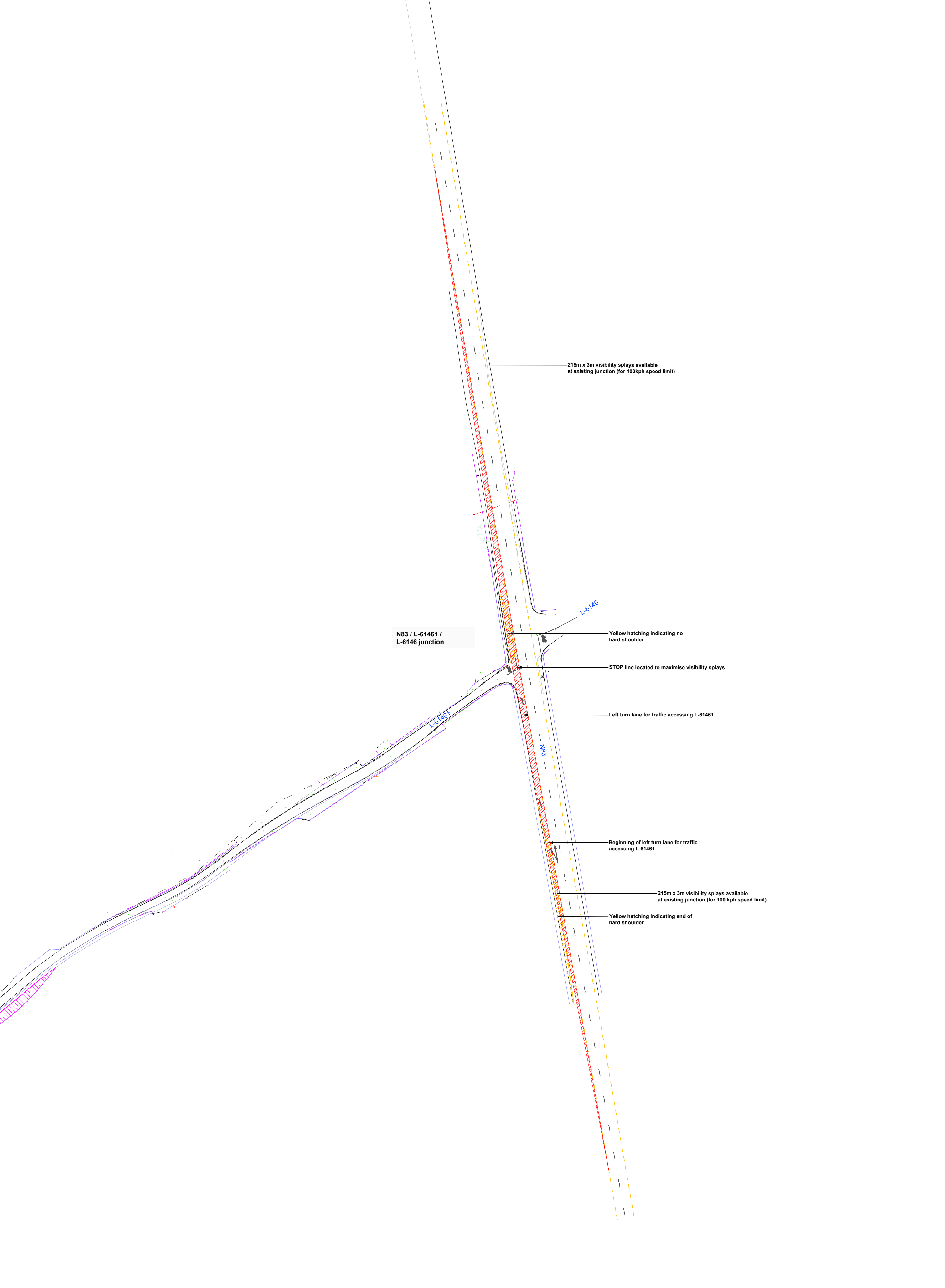
SCALE: 1:1000

PROJECT NO: 9730

DATE: 26.08.25

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NOTES:
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Figure FI 2 N83 / L61461 / L6146 junction with STOP line located at carriageway edge - visibility splays

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CLIENT: Laurclavagh Ltd	SCALE: 1:1000	
PROJECT NO: 9730	DATE: 27.08.25	DRAWN BY: AL

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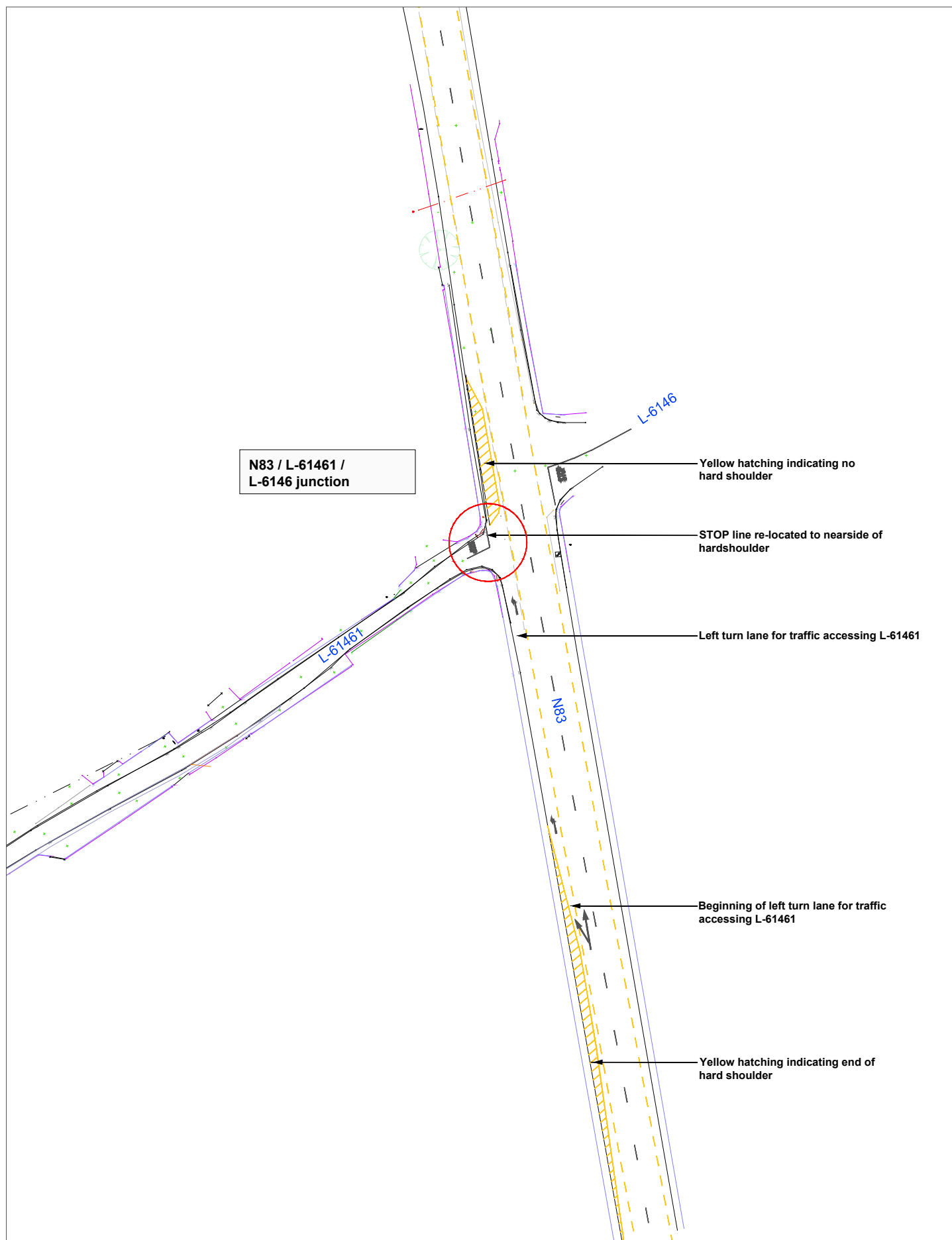


Figure FI 3 N83 / L61461 / L61461 junction with STOP line re-located to nearside of hard shoulder

PROJECT: Laurclavagh Renewable Energy Development

CLIENT: Laurclavagh Ltd

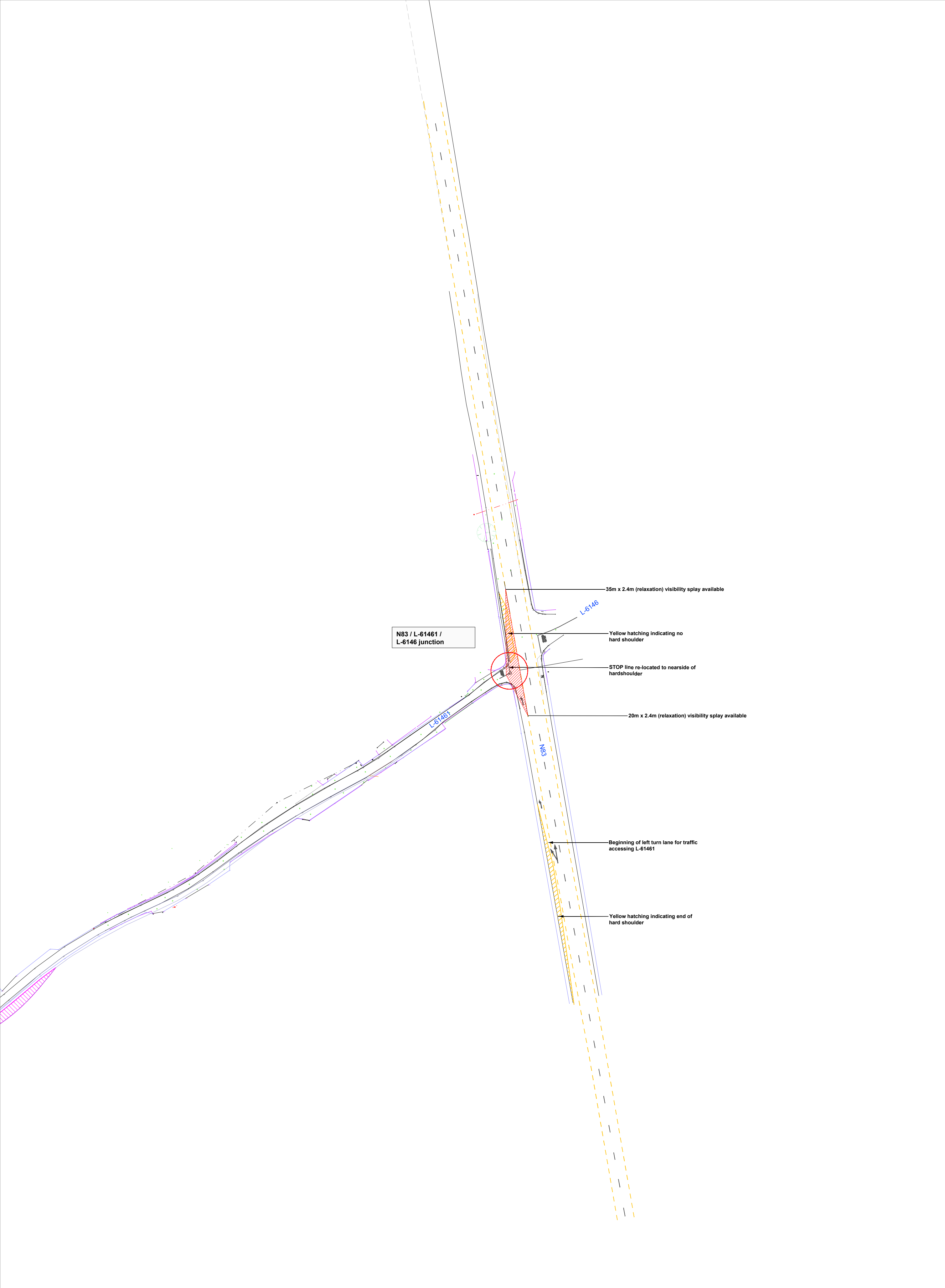
SCALE: 1:1000

PROJECT NO: 9730

DATE: 26.08.25

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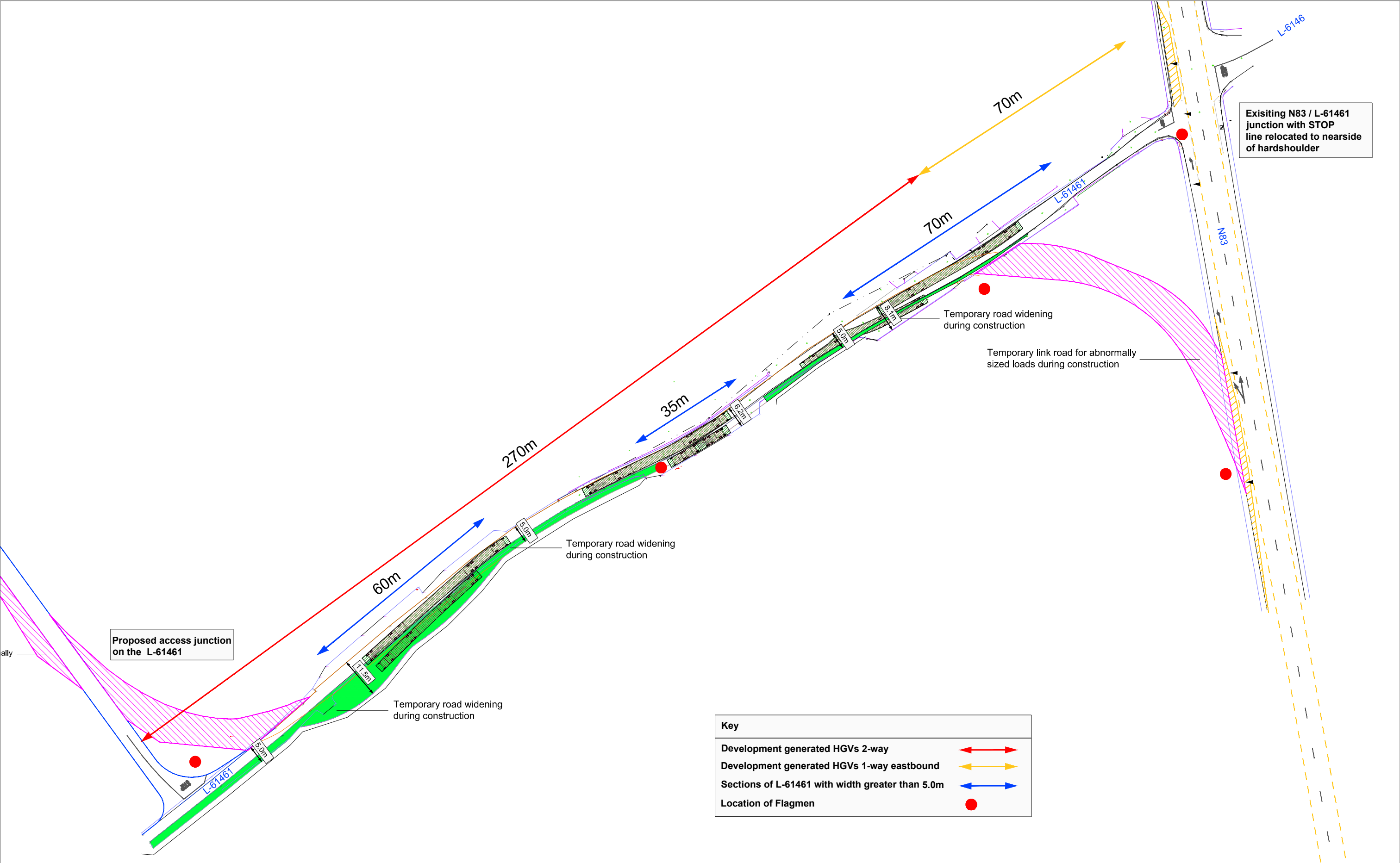


NOTES:
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Figure FI 4 N83 / L61461 / L6146 junction with STOP line relocated to nearside of hardshoulder - visibility splays

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CLIENT: Laurclavagh Ltd	SCALE: 1:1000	
PROJECT NO: 9730	DATE: 27.08.25	DRAWN BY: AL

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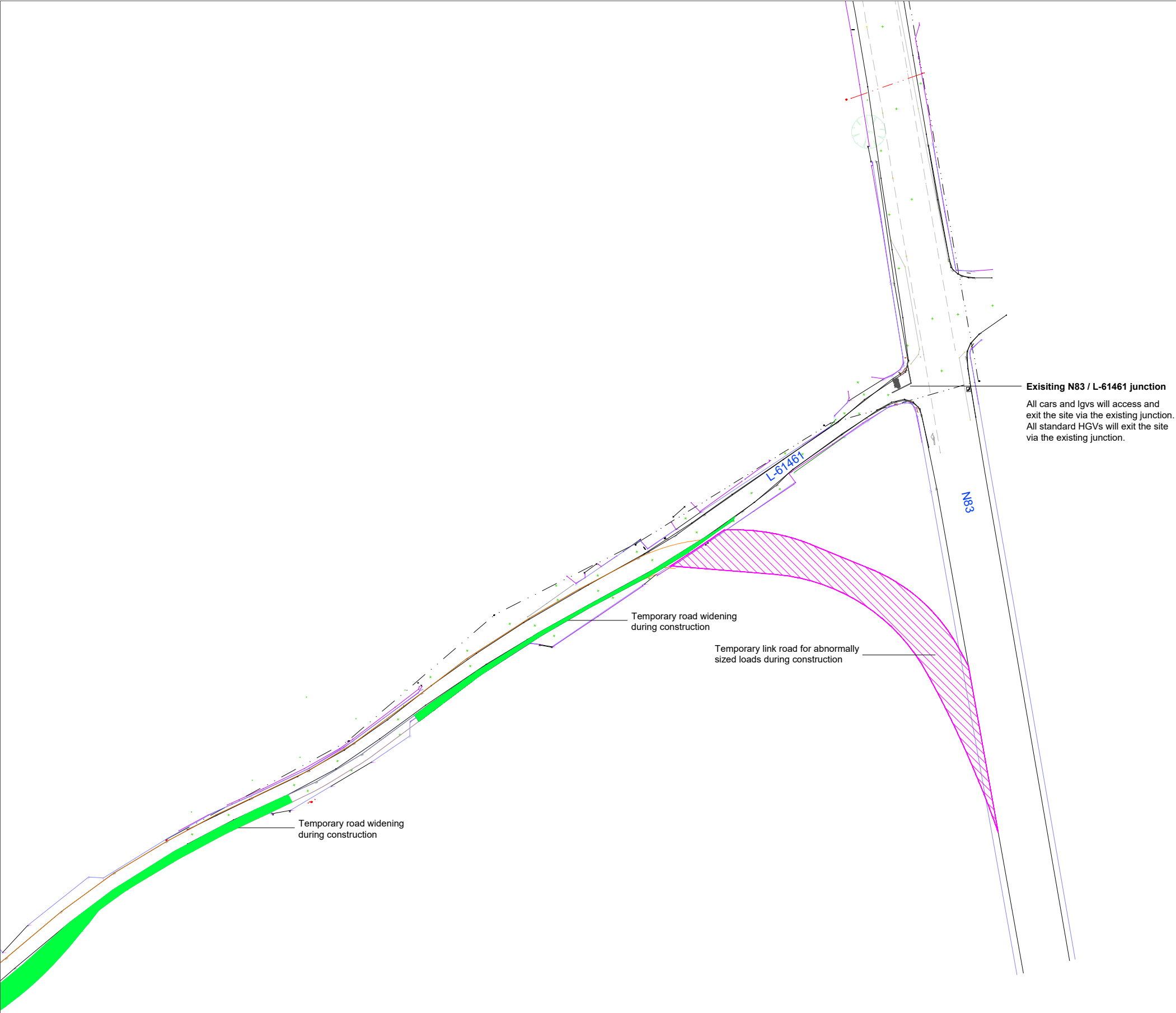


NOTES:
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Figure FI 6 Proposed widening on L-61461 and autotrack assessment for large artic HGV (15.4m x 2.5m)

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CLIENT: Laurclavagh Ltd		SCALE: 1:1000
PROJECT NO: 9730	DATE: 20.08.25	DRAWN BY: AL

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Existing N83 / L-61461 junction
All cars and lgvs will access and exit the site via the existing junction.
All standard HGVs will exit the site via the existing junction.

Temporary road widening during construction

Temporary link road for abnormally sized loads during construction

Temporary road widening during construction

NOTES:
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Figure 15-12a Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase		
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CLIENT: Laurclavagh Ltd	SCALE: 1:1000	
PROJECT NO: 9730	DATE: 01.09.25	
DRAWN BY: AL		



NOTES:
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Figure 15-13a Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - blade extended artic

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Existing N83 / L-61461 junction

All cars and lgvs will access and exit the site via the existing junction.
All standard HGVs will exit the site via the existing junction.

Temporary road widening during construction

Temporary link road for abnormally sized loads during construction

Temporary road widening during construction

NOTES:

PLANNING DRAWING ONLY - NOT FOR CONSTRUCTION PURPOSES

Figure 15-14a Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - tower extended artic

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SCALE: 1:1000

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All cars and lgvs will access and exit the site via the existing junction.
All standard HGVs will exit the site via the existing junction.

Temporary road widening during construction

Temporary link road for abnormally sized loads during construction

Temporary road widening during construction

NOTES:
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Figure 15-15a Location 4 - N83 / L-61461, proposed temporary access for abnormally sized loads and standard HGVs during construction phase - standard large articulated HGV

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CLIENT: Laurclavagh Ltd		SCALE: 1:1000
PROJECT NO: 9730	DATE: 01.09.25	DRAWN BY: AL

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