

GARRANE GREEN ENERGY PROJECT PLANNING APPLICATION

DRAWINGS SCHEDULE

AUGUST 2025

DRAWINGS SCHEDULE

6839-JOD-GGE-XX-DR-C-0000: Drawings Schedule

SITE LOCATION MAPS

6839-JOD-GGE-XX-DR-C-0100:	Overall Site Location Map - Discovery Series
6839-JOD-GGE-XX-DR-C-0101:	Overall Site Location Map - OSI Map Series
6839-JOD-GGE-XX-DR-C-0102:	Windfarm Location Map - OSI Map Series

SITE LAYOUT PLANS

6839-JOD-GGE-XX-DR-C-0200:	Overall Site Layout Plan & Index Sheet
6839-JOD-GGE-XX-DR-C-0201:	Proposed Windfarm Layout Plan - Sheet 1 Of 12
6839-JOD-GGE-XX-DR-C-0202:	Proposed Windfarm Layout Plan - Sheet 2 Of 12
6839-JOD-GGE-XX-DR-C-0203:	Proposed Windfarm Layout Plan - Sheet 3 Of 12
6839-JOD-GGE-XX-DR-C-0204:	Proposed Windfarm Layout Plan - Sheet 4 Of 12
6839-JOD-GGE-XX-DR-C-0205:	Proposed Windfarm Layout Plan - Sheet 5 Of 12
6839-JOD-GGE-XX-DR-C-0206:	Proposed Windfarm Layout Plan - Sheet 6 Of 12
6839-JOD-GGE-XX-DR-C-0207:	Proposed Windfarm Layout Plan - Sheet 7 Of 12
6839-JOD-GGE-XX-DR-C-0208:	Proposed Windfarm Layout Plan - Sheet 8 Of 12
6839-JOD-GGE-XX-DR-C-0209:	Proposed Windfarm Layout Plan - Sheet 9 Of 12
6839-JOD-GGE-XX-DR-C-0210:	N20 Site Entrance 01 Junction Visibility - Sheet 10 Of 12
6839-JOD-GGE-XX-DR-C-0211:	L1537 Site Entrance 02 to Substation Junction Visibility - Sheet 11 Of 12
6839-JOD-GGE-XX-DR-C-0212:	N20 Site Entrance 01 Reinstatement Details - Sheet 12 Of 12
6839-JOD-GGE-XX-DR-C-0213:	Post Construction Site Reinstatement Details - Sheet 01 Of 03
6839-JOD-GGE-XX-DR-C-0214:	Post Construction Site Reinstatement Details - Sheet 02 Of 03
6839-JOD-GGE-XX-DR-C-0215:	Post Construction Site Reinstatement Details - Sheet 03 Of 03
6839-JOD-GGE-XX-DR-C-0216:	Post Construction Hardstand Details T04 To T08 (Present in Flood Zone)

DRAINAGE DETAILS:

6839-JOD-GGE-XX-DR-C-0301:	Drainage Details - Sheet 1 Of 4
6839-JOD-GGE-XX-DR-C-0302:	Drainage Details - Sheet 2 Of 4
6839-JOD-GGE-XX-DR-C-0303:	Drainage Details - Sheet 3 Of 4
6839-JOD-GGE-XX-DR-C-0304:	Drainage Details - Sheet 4 Of 4

ACCESS TRACK & CROSSING DETAILS:

6839-JOD-GGE-XX-DR-C-0401:	Access Track Construction Details
6839-JOD-GGE-XX-DR-C-0402:	Proposed Water Crossing WC01
6839-JOD-GGE-XX-DR-C-0403:	Proposed Water Crossing WC02
6839-JOD-GGE-XX-DR-C-0404:	Existing Outfall Pipeline (Kerry Group) Crossing Detail

TURBINE & CRANE HARDSTAND DETAILS:

6839-JOD-GGE-XX-DR-C-0501:	Proposed Crane Hardstand Details
6839-JOD-GGE-XX-DR-C-0502:	Proposed Gravity Turbine Foundations Details
6839-JOD-GGE-XX-DR-C-0503:	Proposed Pile Turbine Foundations Details
6839-JOD-GGE-XX-DR-C-0504:	Proposed Wind Turbine Elevations

MET MAST:

6839-JOD-GGE-XX-DR-C-0701: Proposed Met Mast Details

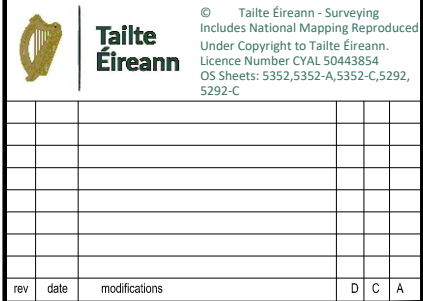
COMPOUND DETAILS:

6839-JOD-GGE-XX-DR-C-0801:	Proposed Temporary Compound Details
6839-JOD-GGE-XX-DR-C-0802:	Proposed Spoil Storage Berm at Substation Cross Section Detail
6839-JOD-GGE-XX-DR-C-0803:	Temporary Wheel Wash System

TRENCH DETAILS:

6839-JOD-GGE-XX-DR-C-0901: Proposed Cable Trench Details

NOTES:
1 DRAWINGS SCHEDULE



Client Garrane Green Energy Ltd.				
				
Project Garrane Green Energy Project, Garrane, Co. Limerick.				
Stage Planning				
Title Drawings Schedule				
Scales N.T.S @ A3				
Surveyed	Drawn A.G	Checked J.D	Approved A.O.G	Date Aug 2025

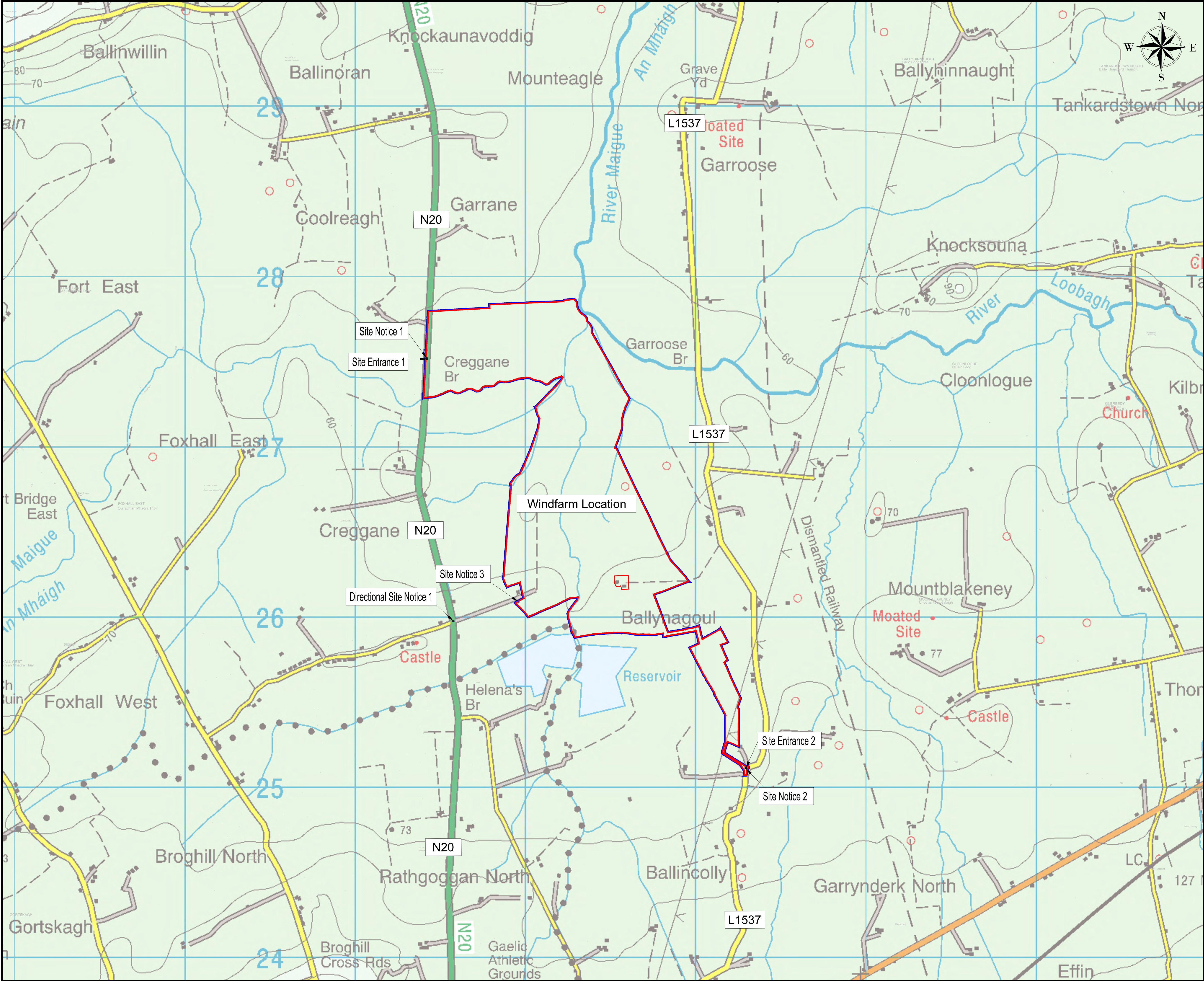


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Legend

- Planning Application Boundary
- Lands Under Control of Applicant



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Client
Garrane Green Energy Ltd.


Project
Garrane Green Energy Project,
Co.Limerick.

Stage
Planning

Title
Overall Site Location Map
Discovery Series

Scales
1:10,000 (A1)

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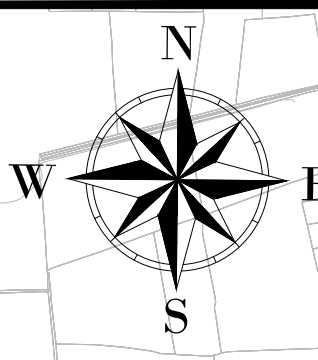
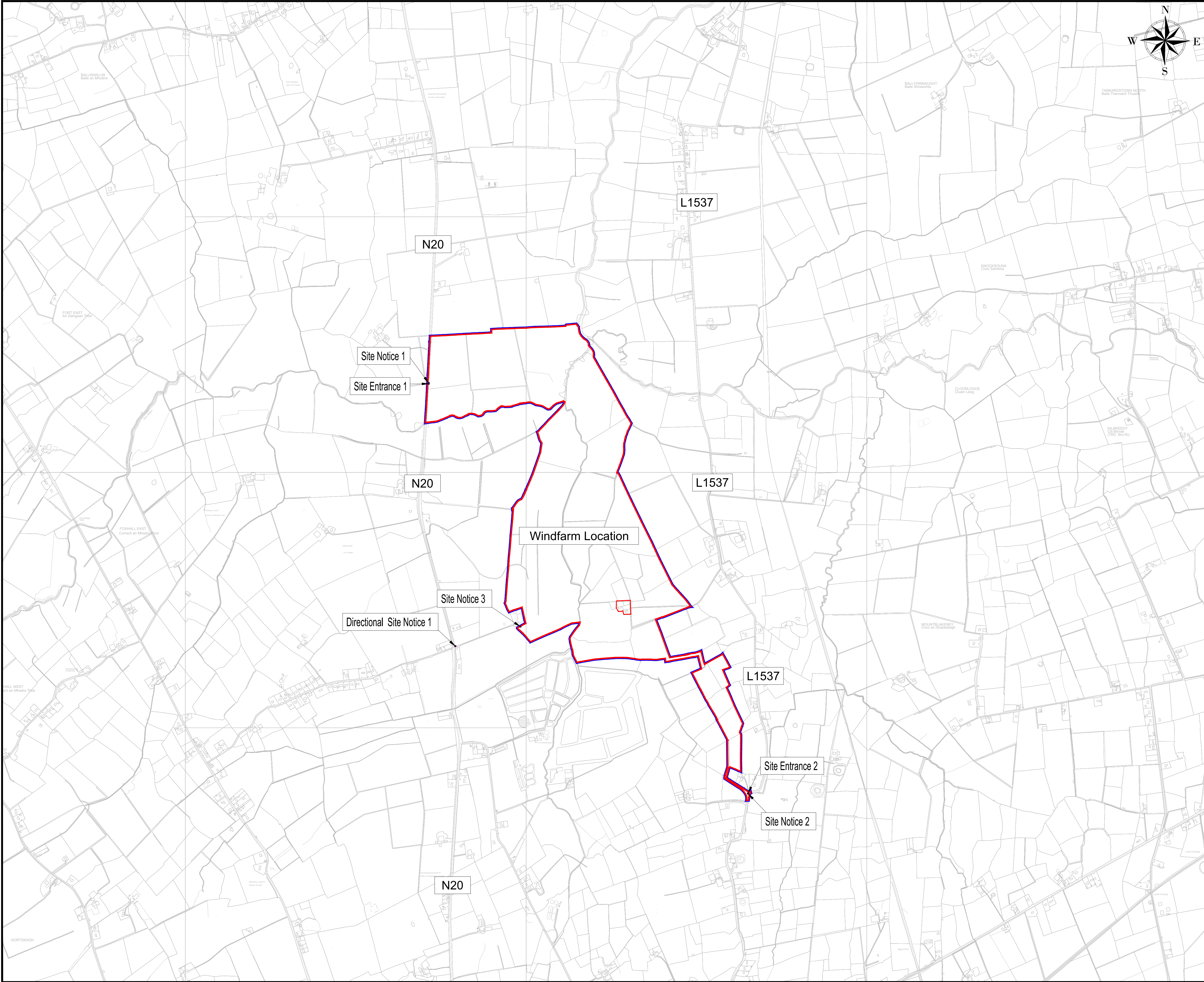
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Planning Application Boundary

Lands Under Control of Applicant



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Client
Garrane Green Energy Ltd.


Project
Garrane Green Energy Project,
Co.Limerick.

Stage
Planning

Title
Overall Site Location Map
OSI Map Series

Scales
1:10,000 (A1)

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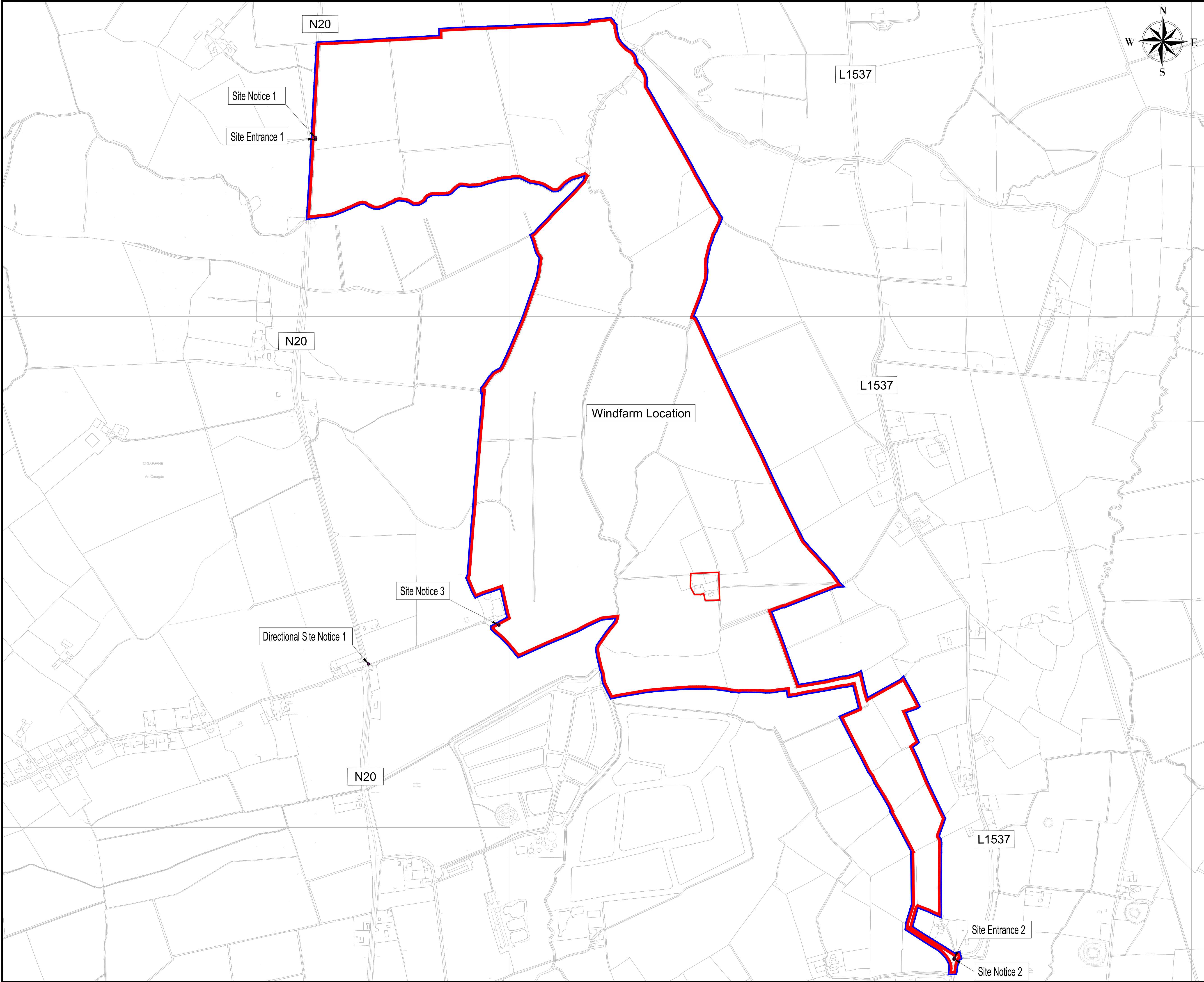
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Planning Application Boundary

Lands Under Control of Applicant



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Garrane Green Energy Ltd.



Project

Garrane Green Energy Project,
Co.Limerick.

Stage

Planning

Title

Windfarm Location Map
OSI Map Series

Scales

1:5,000 (A1)

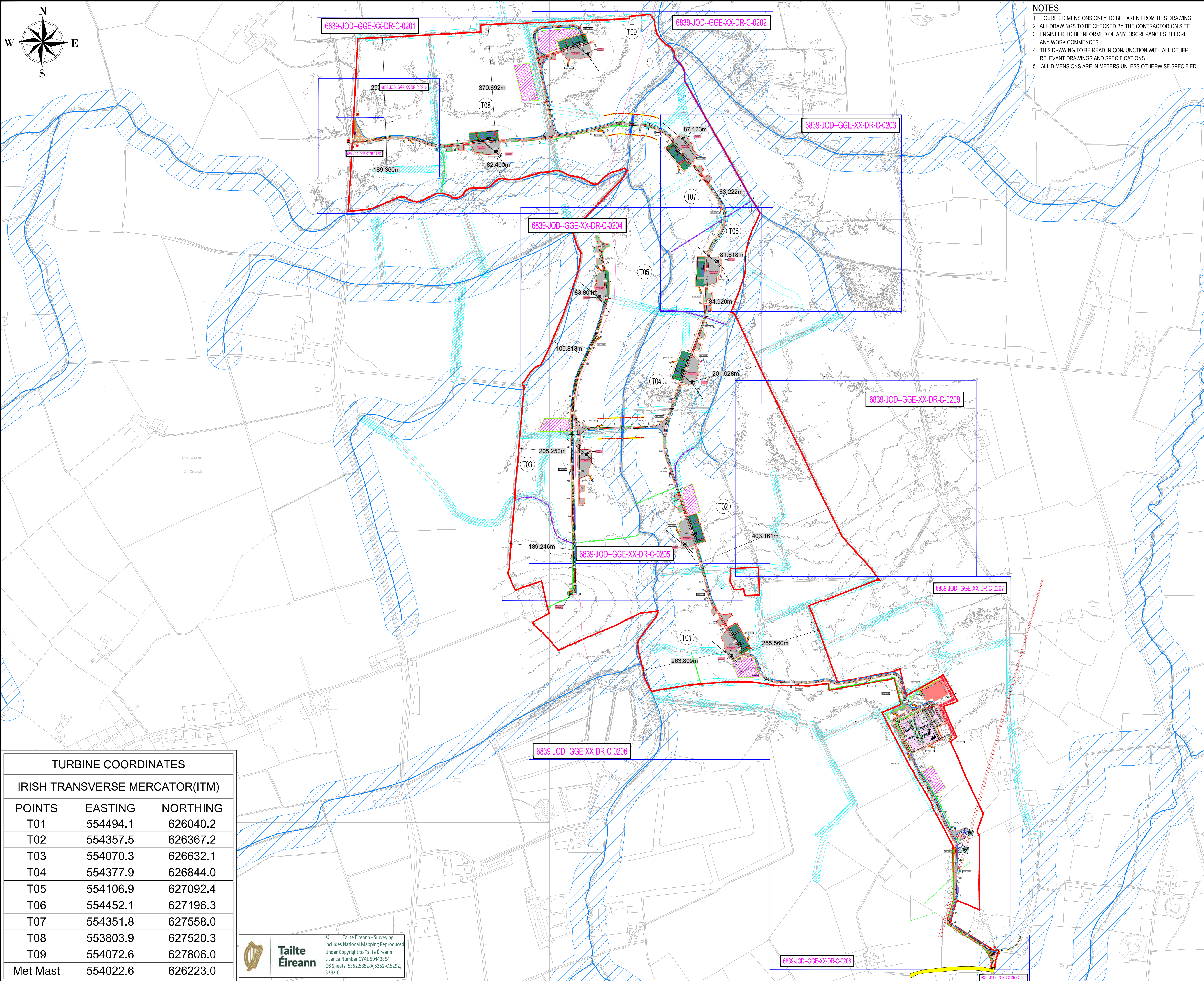
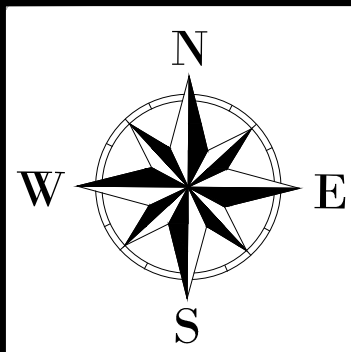
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- Legend**
- Planning Application Boundary
 - Proposed Wind Turbine
 - Proposed Crane Hardstand
 - Proposed Spoil Storage Locations (Temporary)
 - Proposed Meteorological Mast
 - Proposed Substation Location
 - Proposed Temporary Compound Location
 - Proposed Temporary Wheel Wash Area
 - Existing Farm Tracks To be Modified(Permanent)
 - Proposed New Access Tracks(Permanent)
 - Proposed Spoil Repository Berm
 - Contours of existing ground elevation
 - Proposed Fill
 - Proposed Cut
 - Grid Route
 - Watercourse Crossing
 - Existing Outfall Pipeline Crossing
 - Existing Watercourse
 - Existing Watercourse with 50m buffer
 - 10m Drain Buffer
 - Proposed New Hedgerow
 - Proposed Enhancement Double Hedgerow
 - Proposed Environmental Protection Rope (Temporary)
 - Dirty Water Interceptor Drain
 - Clean Water Interceptor Drain
 - Culvert Crossing
 - Settlement Pond
(Refer to Drawing 6839-JOD-GGE-XX-DR-C-0303 For Settlement Ponds Types and Sizes)
 - Buffered Outlet
 - Right of Way
 - Finished Access Track Level
 - Existing Outfall Pipeline (Kerry Group)
 - Silt Fencing

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Client
Garrane Green Energy Ltd.

Project
**Garrane Green Energy Project,
Garrane, Co. Limerick.**

Stage
Planning

Title
Overall Site Layout Plan & Index Sheet

Scales
1:1,000 (A1)

Surveyed	Drawn	Checked	Approved	Date
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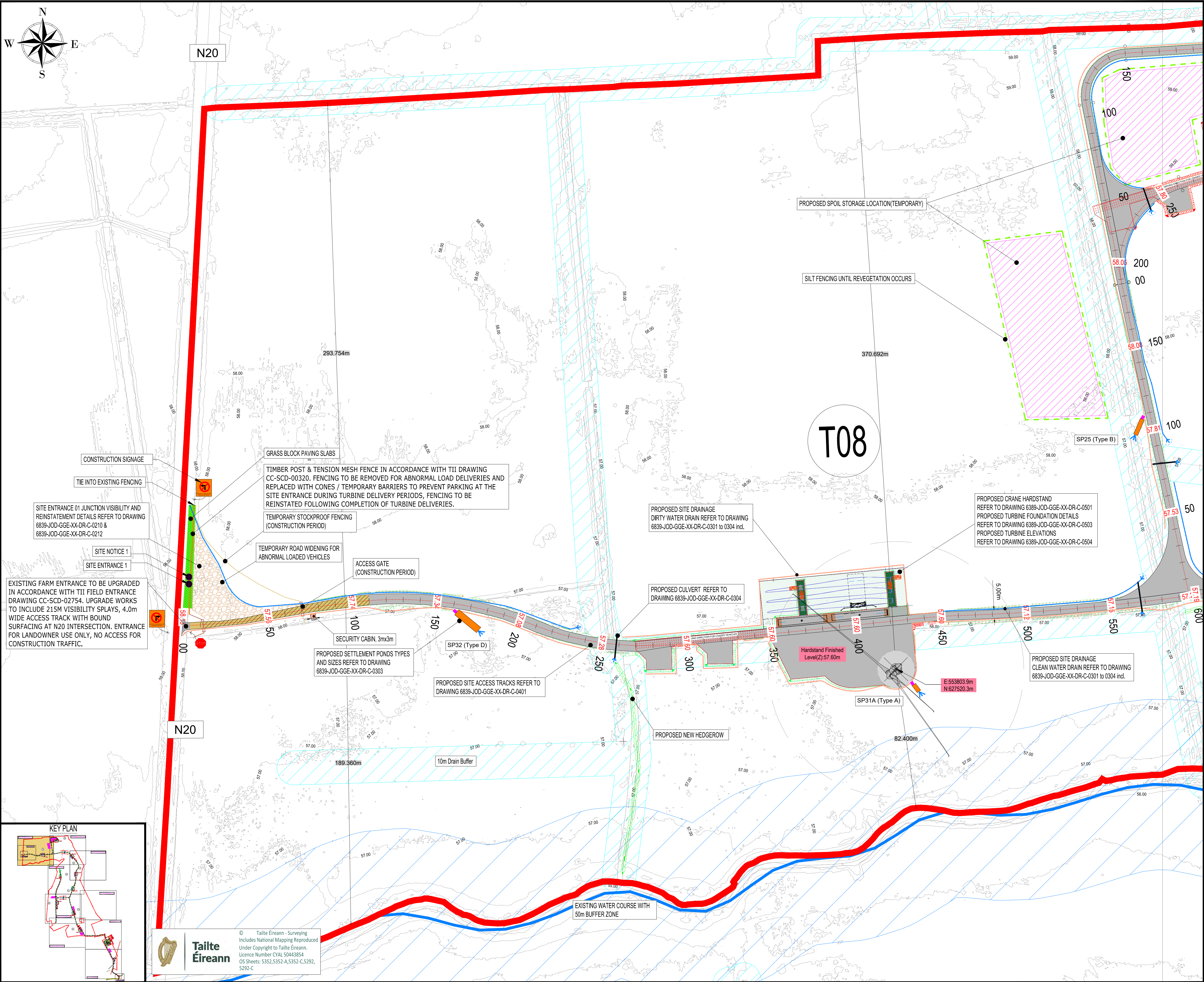
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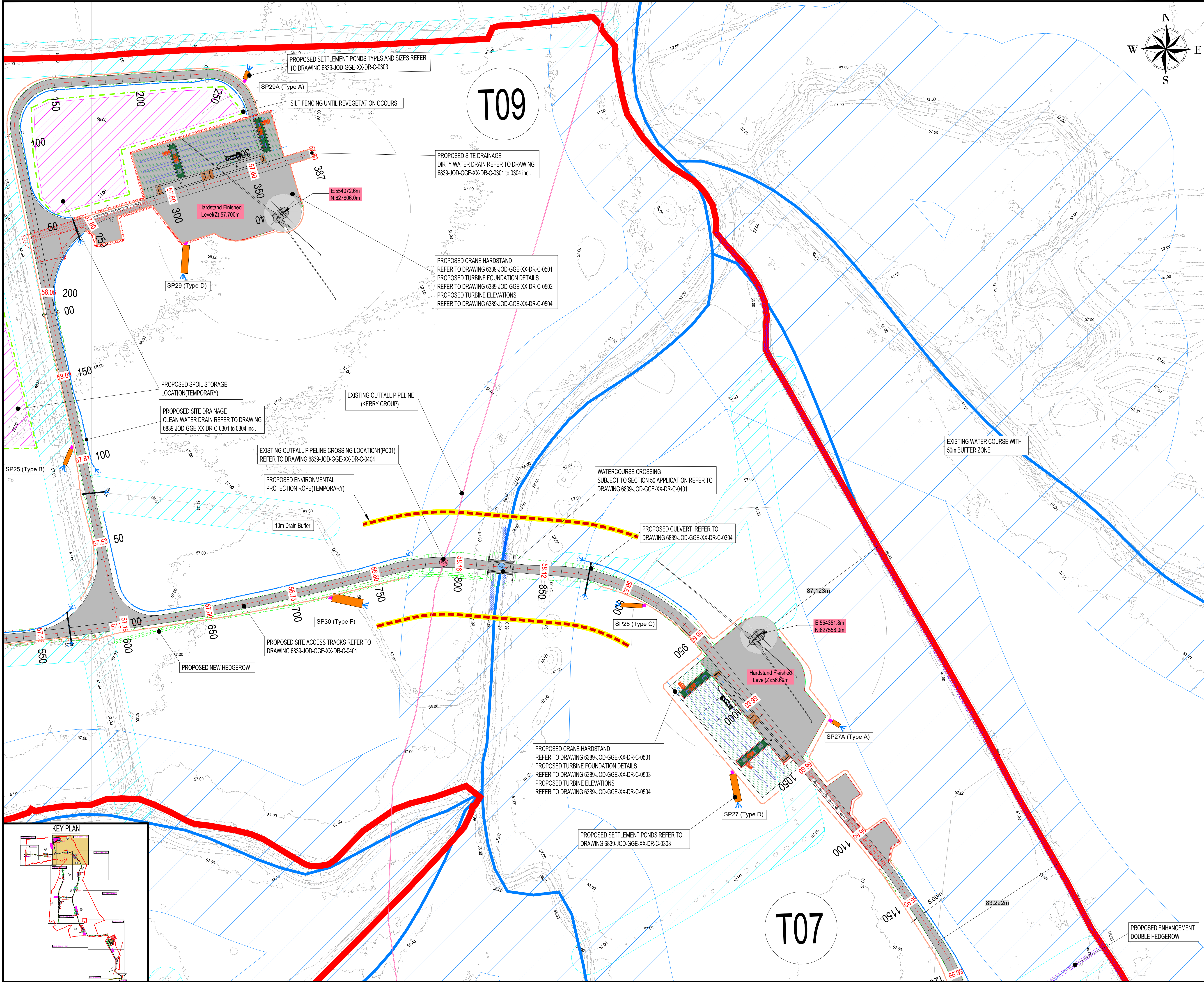
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6839	6839-JOD-GGE-XX-DR-C-0200	-

TURBINE COORDINATES		
IRISH TRANSVERSE MERCATOR(ITM)		
POINTS	EASTING	NORTHING
T01	554494.1	626040.2
T02	554357.5	626367.2
T03	554070.3	626632.1
T04	554377.9	626844.0
T05	554106.9	627092.4
T06	554452.1	627196.3
T07	554351.8	627558.0
T08	553803.9	627520.3
T09	554072.6	627806.0
Met Mast	554022.6	626223.0

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Legend

- Planning Application Boundary
- Proposed Wind Turbine
- Proposed Crane Hardstand
- Proposed Spoil Storage Locations (Temporary)
- Proposed New Access Track(Permanent)
- Contours of existing ground elevation
- Proposed Fill
- Proposed Cut
- Watercourse Crossing
- Existing Outfall Pipeline Crossing
- Existing Watercourse
- Existing Watercourse with 50m buffer
- 10m Drain Buffer
- Proposed New Hedgerow
- Proposed Enhancement Double Hedgerow
- Proposed Environmental Protection Rope (Temporary)
- Dirty Water Interceptor Drain
- Clean Water Interceptor Drain
- Culvert Crossing
- Settlement Pond (Refer to Drawing 6839-JOD-GGE-XX-DR-C-0303 For Settlement Ponds Types and Sizes)
- Buffered Outlet
- Finished Access Track Level
- Existing Outfall Pipeline (Kerry Group)
- Silt Fencing

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Client
Garrane Green Energy Ltd.

Project
Garrane Green Energy Project,
Garrane, Co.Limerick.

Stage
Planning

Title
Proposed Windfarm Layout Plan
Sheet 2 of 12

Scales
1:1,000 (A1)

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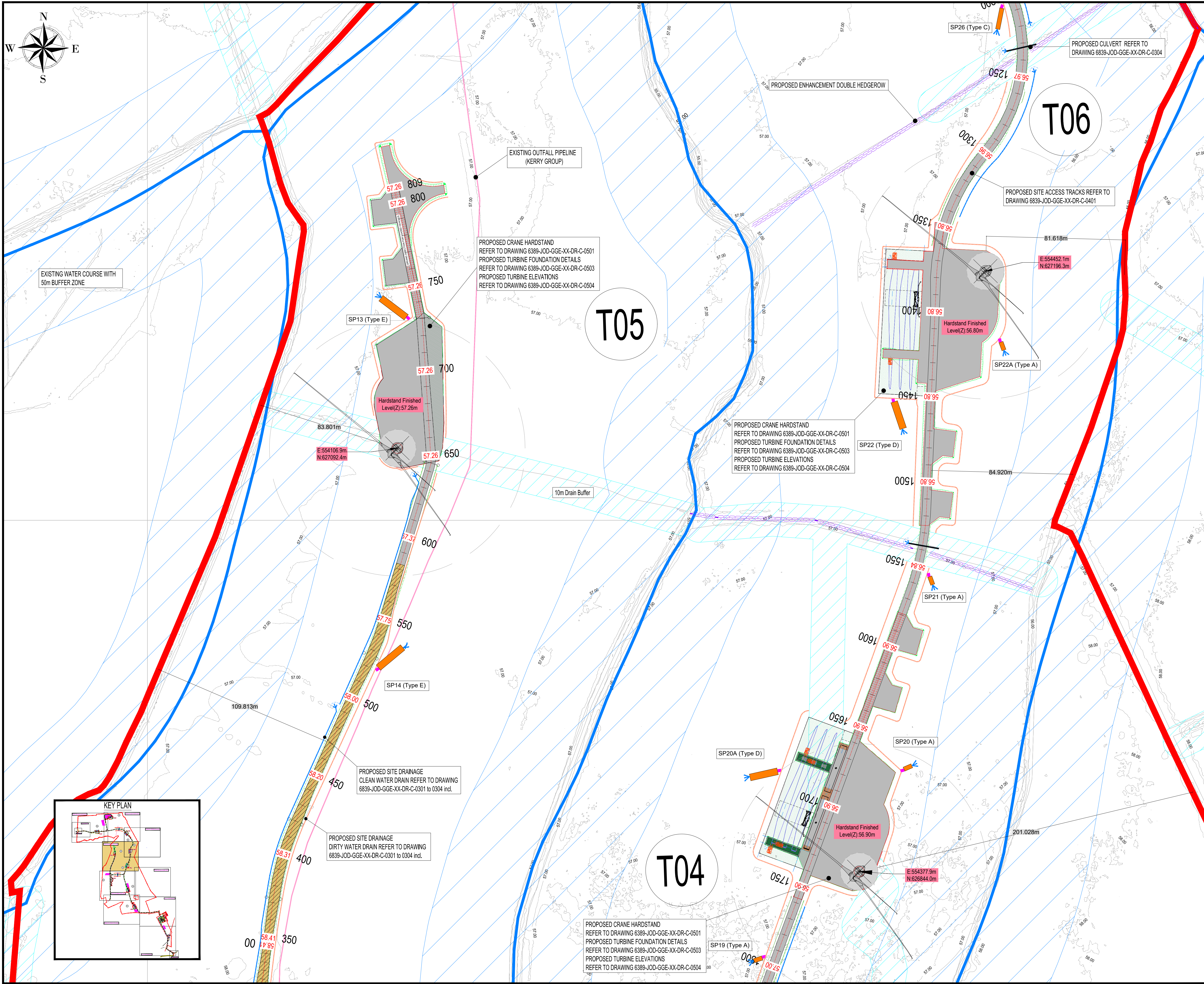
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- Legend**
- Planning Application Boundary
 - Proposed Wind Turbine
 - Proposed Crane Hardstand
 - Existing Access Tracks Upgraded(Permanent)
 - Proposed New Access Track(Permanent)
 - Contours of existing ground elevation
 - Proposed Fill
 - Proposed Cut
 - 10m Drain Buffer
 - Existing Watercourse
 - Existing Watercourse with 50m buffer
 - Proposed Enhancement Double Hedgerow
 - Dirty Water Interceptor Drain
 - Clean Water Interceptor Drain
 - Culvert Crossing
 - Settlement Pond (Refer to Drawing 6839-JOD-GGE-XX-DR-C-0303 For Settlement Ponds Types and Sizes)
 - Buffered Outlet
 - Finished Access Track Level
 - Existing Outfall Pipeline (Kerry Group)

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Project
**Garrane Green Energy Project,
Garrane,Co.Limerick.**

Stage
Planning

Title
**Proposed Windfarm Layout Plan
Sheet 4 of 12**

Scales
1:1,000 (A1)

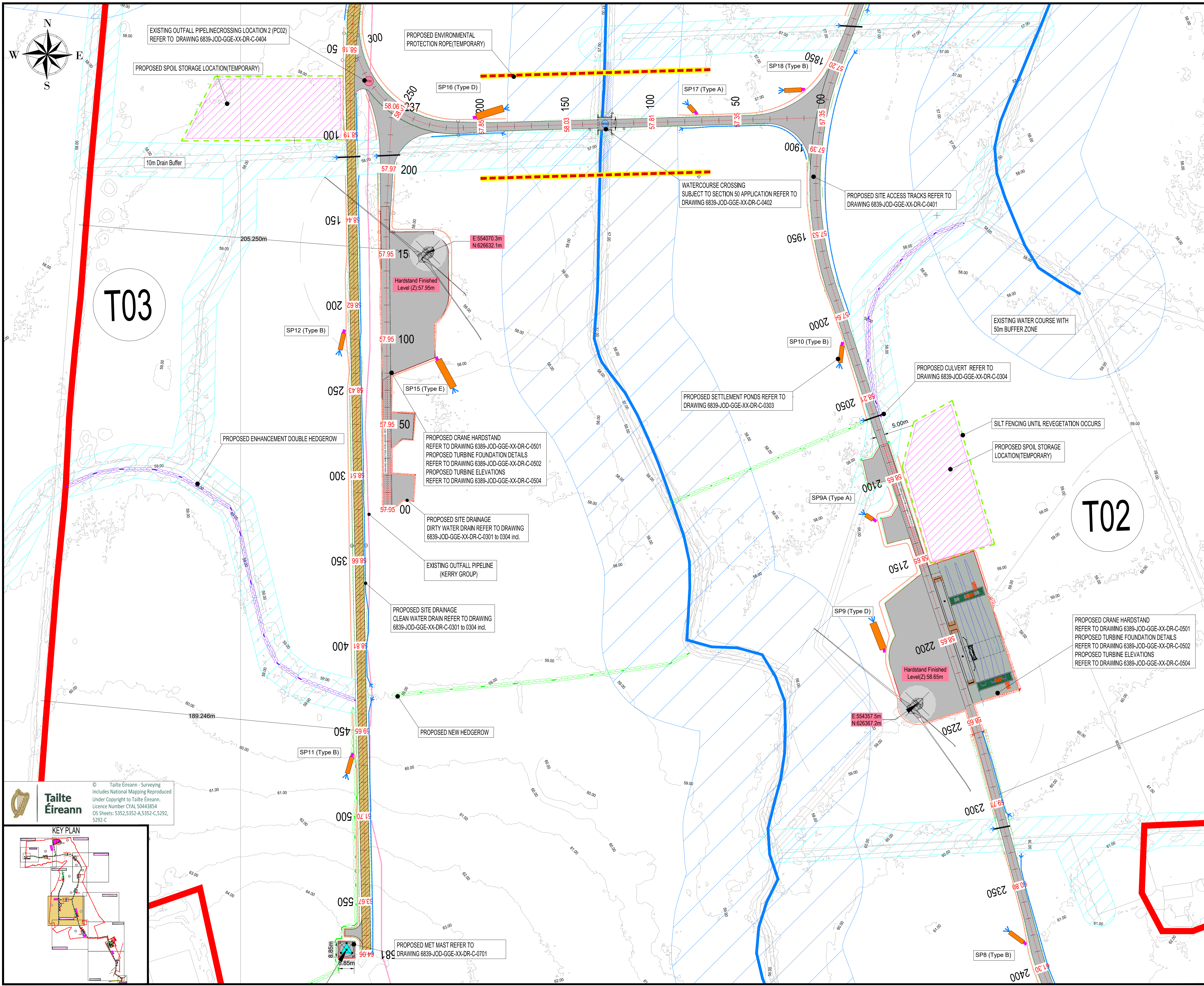
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Legend

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- Proposed Meteorological Mast
- Existing Access Tracks Upgraded (Permanent)
- Proposed New Access Track(Permanent)
- Contours of existing ground elevation
- Proposed Fill
- Proposed Cut
- WC1 Watercourse Crossing
- PC1 Existing Outfall Pipeline Crossing
- Existing Watercourse
- Existing Watercourse with 50m buffer
- 10m Drain Buffer
- Proposed Environmental Protection Rope (Temporary)
- Proposed New Hedgerow
- Proposed Enhancement Double Hedgerow
- Dirty Water Interceptor Drain
- Clean Water Interceptor Drain
- Culvert Crossing
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- Buffered Outlet
- XX.XX Finished Access Track Level
- Existing Outfall Pipeline (Kerry Group)
- Silt Fencing

rev	date	modifications	D	C	A

Client
Garrane Green Energy Ltd.

Project
Garrane Green Energy Project, Garrane, Co.Limerick.

Stage
Planning

Title
Proposed Windfarm Layout Plan Sheet 5 of 12

Scales
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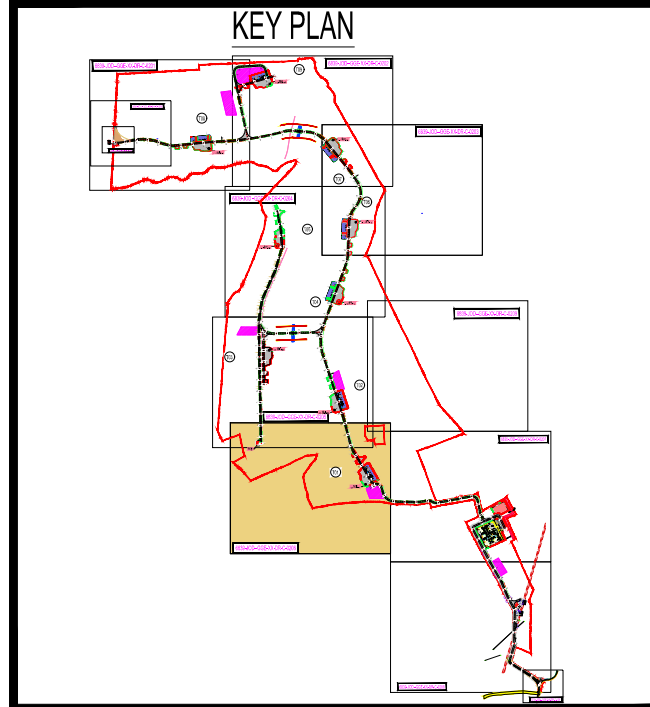
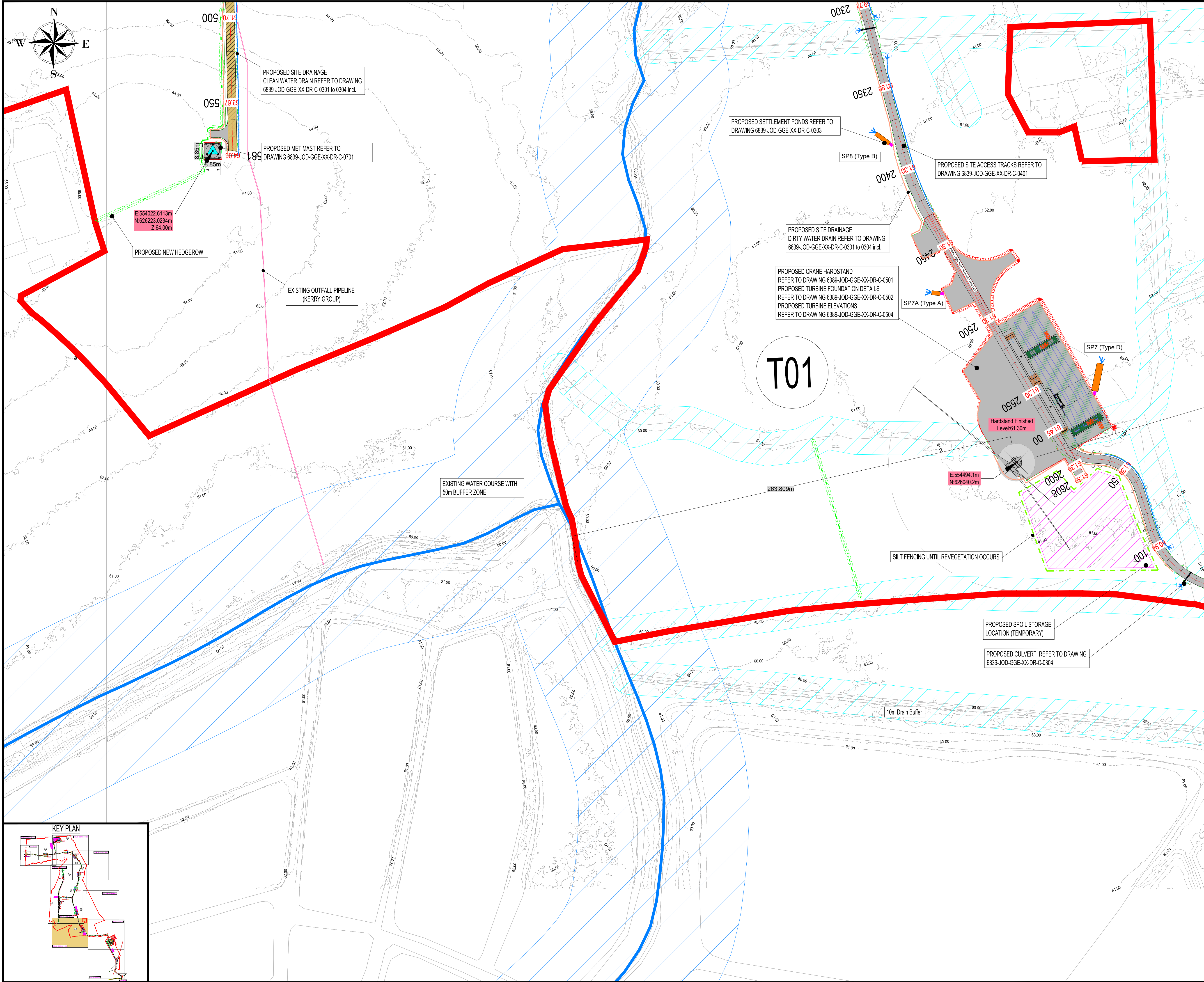
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Client
Garrane Green Energy Ltd.

Project
**Garrane Green Energy Project,
Garrane, Co.Limerick.**

Stage
Planning

Title
**Proposed Windfarm Layout Plan
Sheet 6 of 12**

Scales
1:1,000 (A1)

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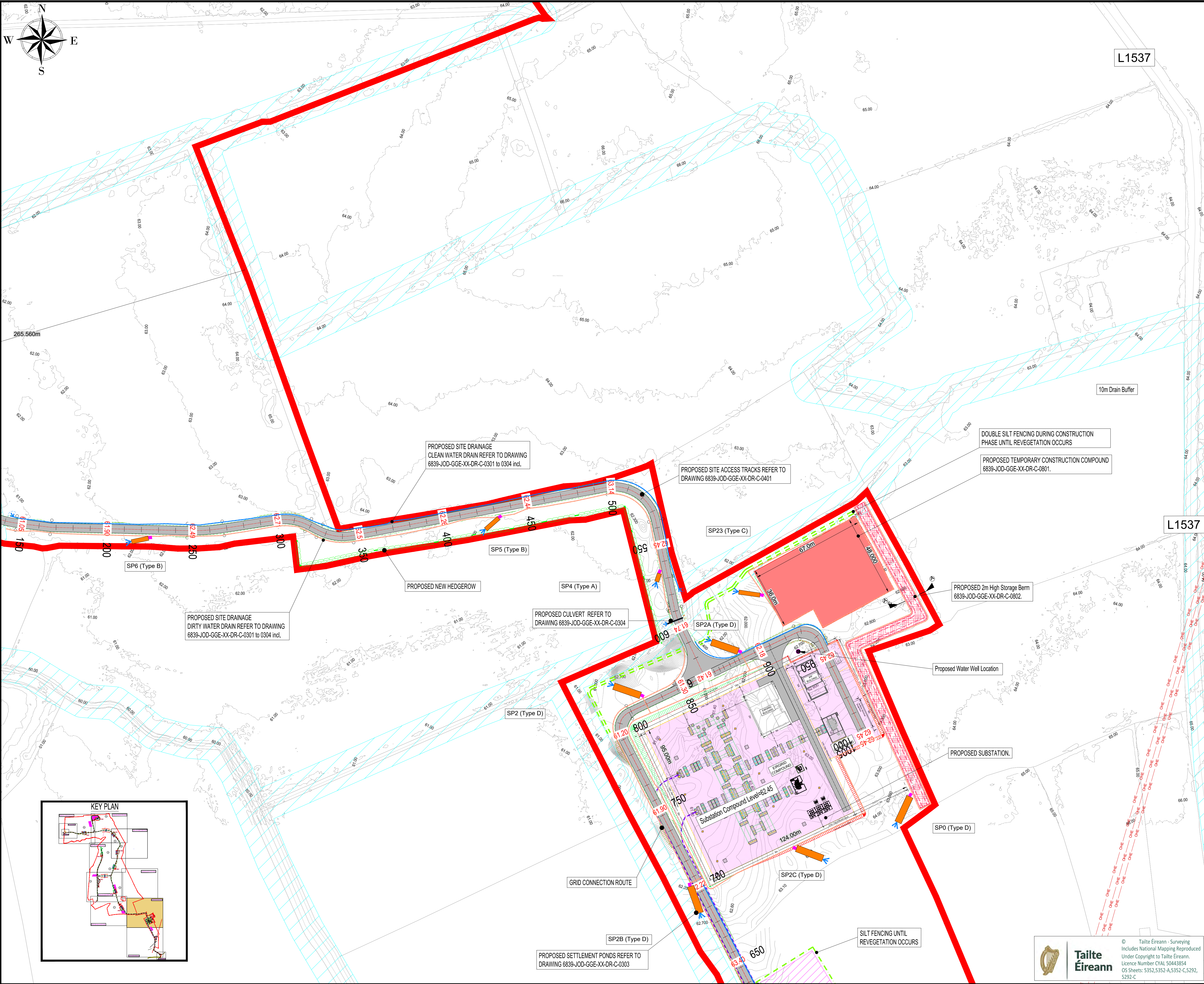
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 - Over Head Electric
 - Finished Access Track Level
 - Silt Fencing

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Client
Garrane Green Energy Ltd.

Project
**Garrane Green Energy Project,
Garrane, Co.Limerick.**

Stage
Planning

Title
**Proposed Windfarm Layout Plan
Sheet 7 of 12**

Scales
1:1,000 (A1)

Surveyed	Drawn	Checked	Approved	Date
A.G	J.D	A.O.G		Aug 2025

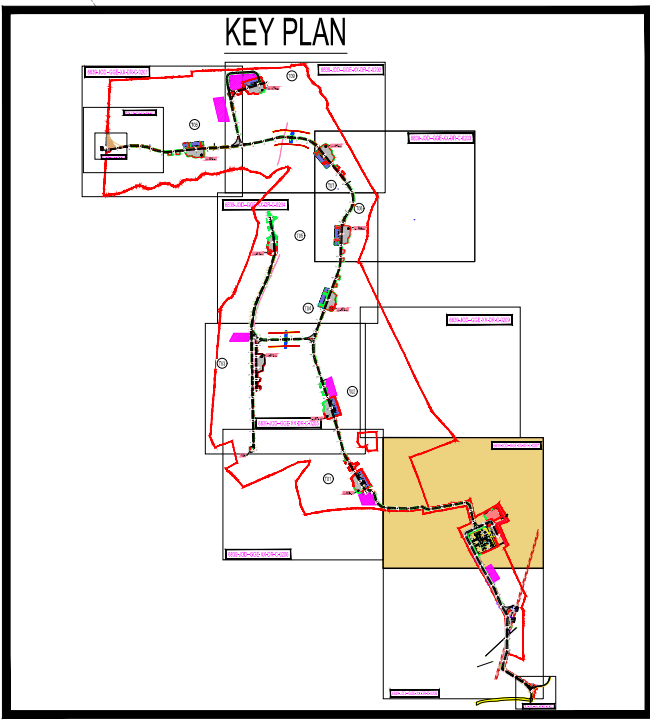
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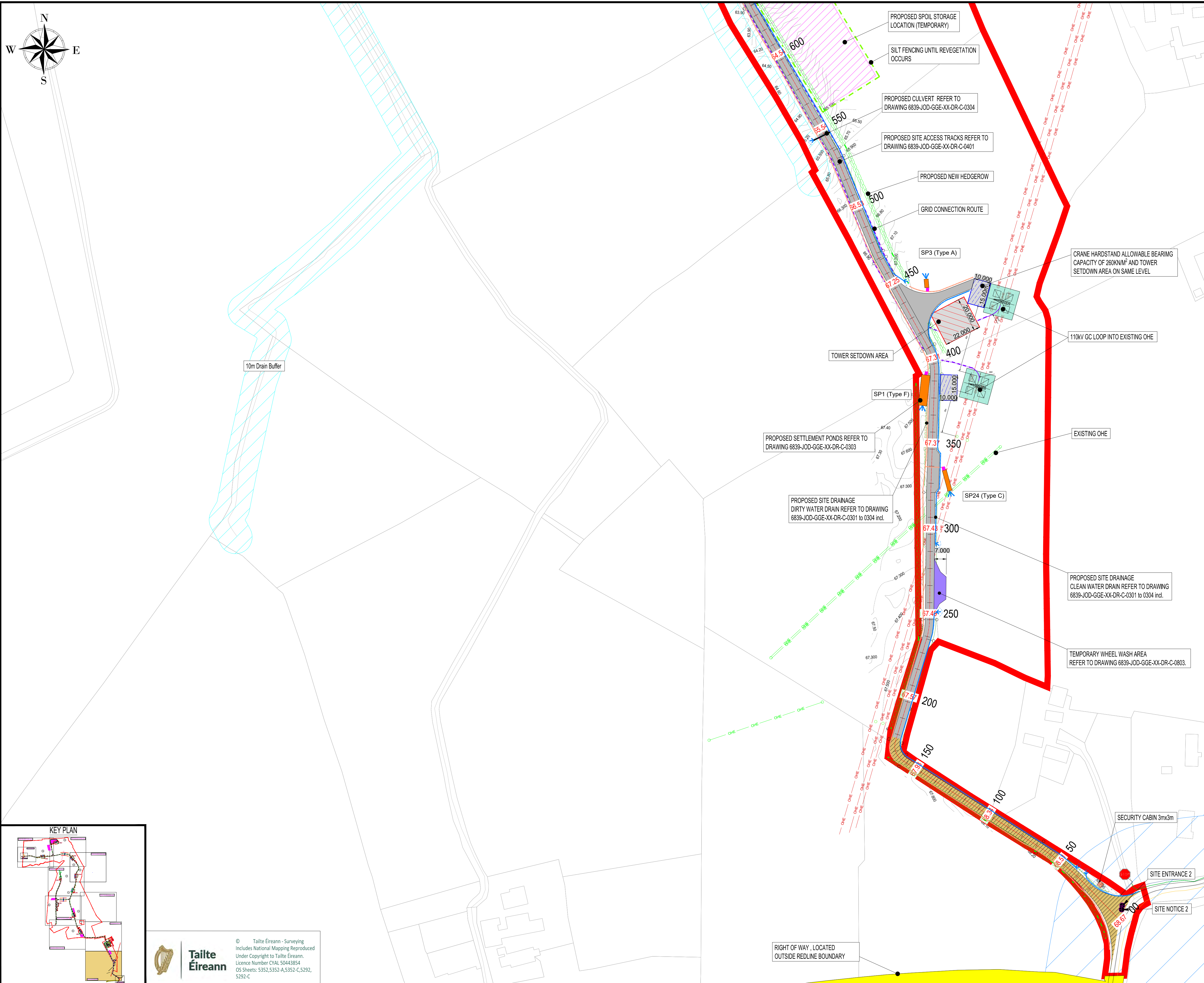
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 - 5 ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED

- Legend**
- Planning Application Boundary
 - XX Contours of existing ground elevation
 - 10m Drain Buffer
 - Existing Watercourse
 - Existing Watercourse with 50m buffer



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rev	date	modifications		D	C

Client
Garrane Green Energy Ltd.


Project
Garrane Green Energy Project,
Garrane, Co. Limerick.

Stage
Planning

Title
Proposed Windfarm Layout Plan
Sheet 9 of 12

Scales
1:1,000 (A1)

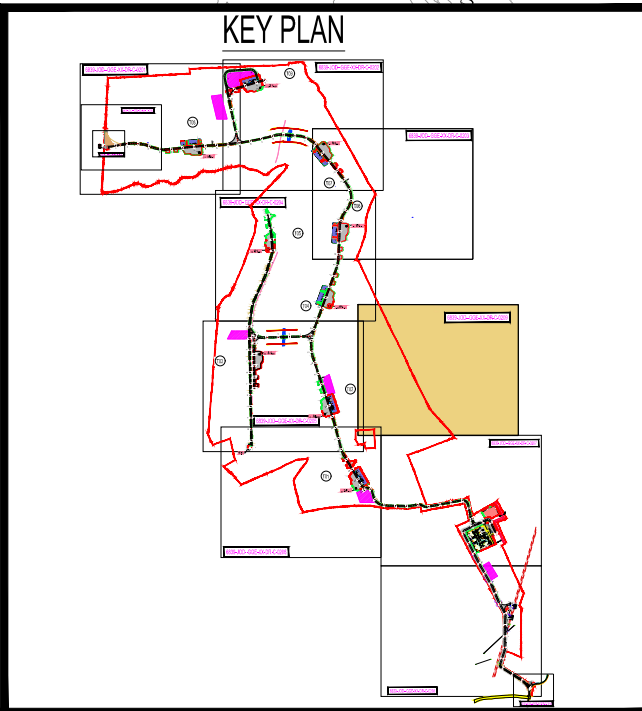
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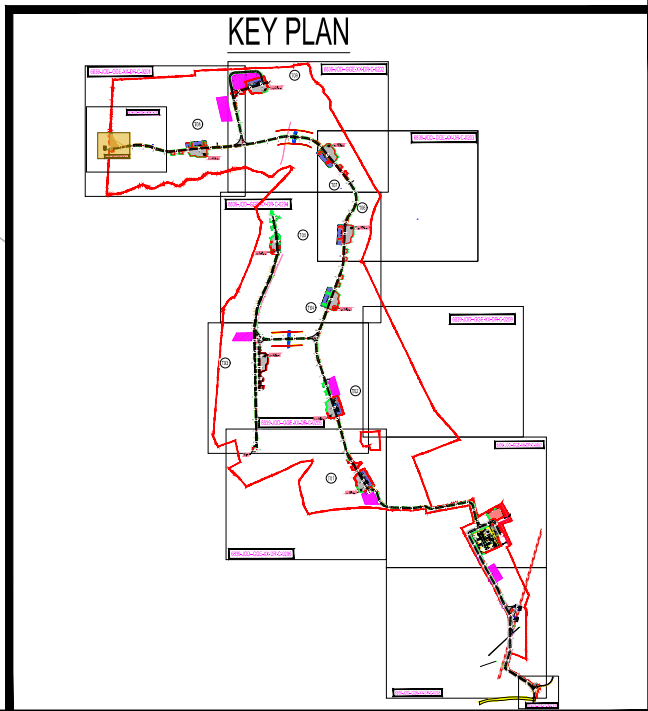
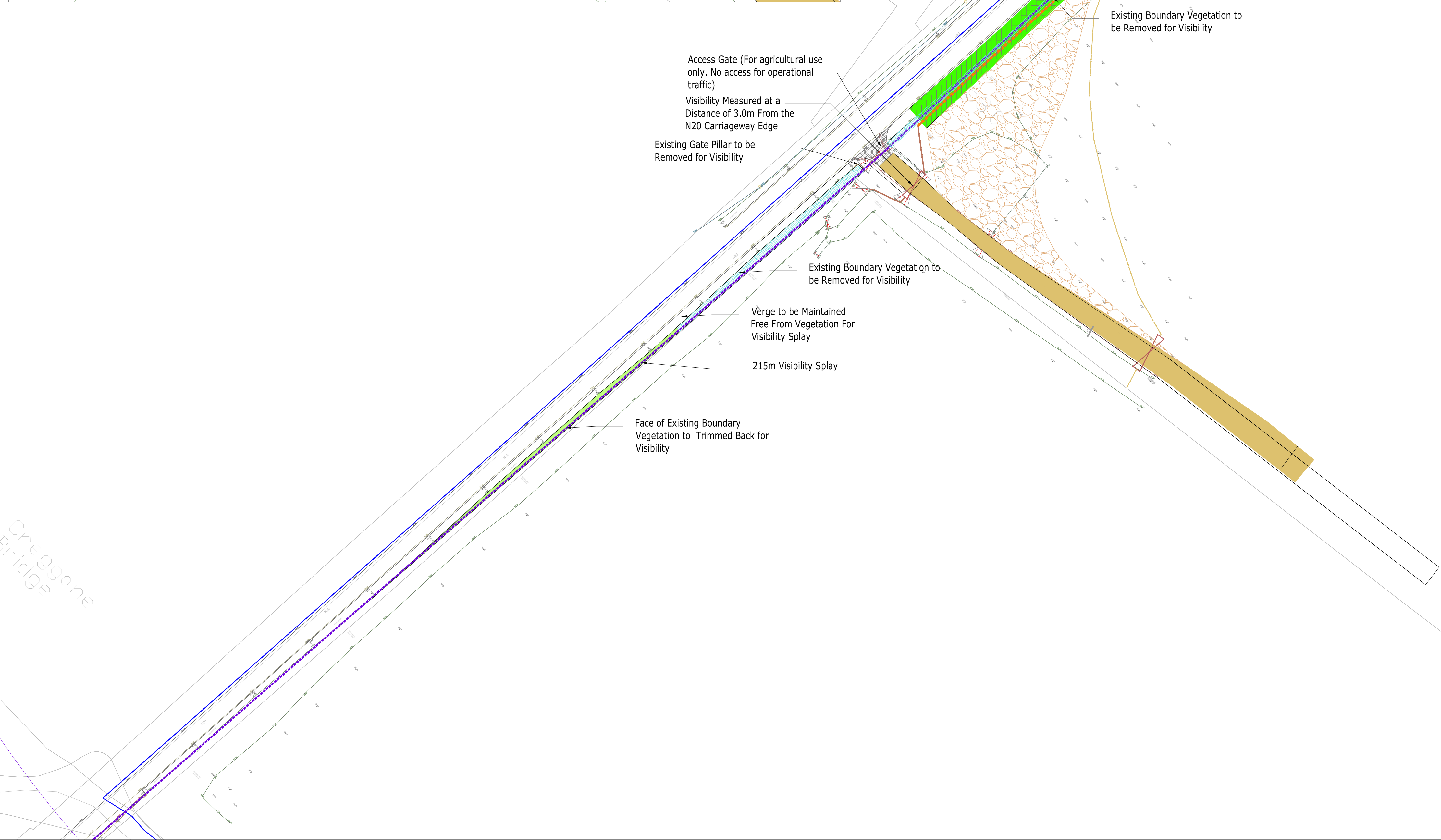


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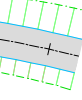
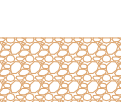
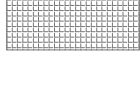
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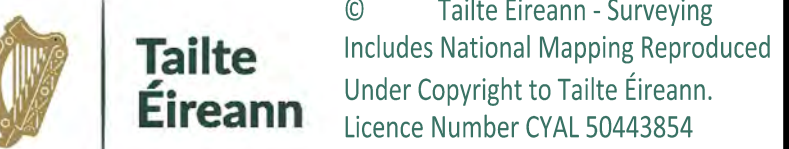




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Legend

- | | |
|---|--|
|  | Proposed Access Road in Cut Area |
|  | Proposed Access Road in Filled Area |
|  | Access Gate |
|  | Site Fencing |
|  | Over-run Area For Abnormal Load Vehicles |
|  | Area to be Topsoiled on Completion of Construction |
|  | Visibility Splay |
|  | Temporary Road Barrier |
|  | Bound Asphalt Surface at Site Entrance |
|  | Lands Under Control of Applicant |
|  | Boundary to be Removed for Visibility |
|  | Boundary to be Trimmed for Visibility |

[illegible]

Garrane Green Energy Ltd.



Garrane Green Energy project,
Garrane, Co. Limerick.

Planning

N20 Site Entrance 01 Junction Visibility
(Sheet 10 of 12)

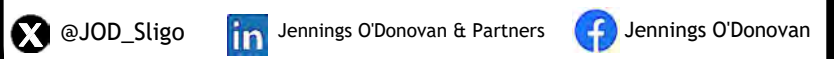
1:500 & 1:200 @ A1

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	Proposed Access Road in Cut Area
	Proposed Access Road in Filled Area
	Access Gate
	Temporary Site Fencing
	Timber Post & Tension Mesh Fence
	Grass Block Paving Slabs
	Over-run Area For Abnormal Load Vehicles
	Area to be Topsoiled on Completion of Construction
	Visibility Splay
	Temporary Road Barrier
	Bound Asphalt Surface at Site Entrance
	Existing Access Track (Upgraded)
	Lands Under Control of Applicant

Client	Garrane Green Energy Ltd.
--------	---------------------------



Stage	Planning
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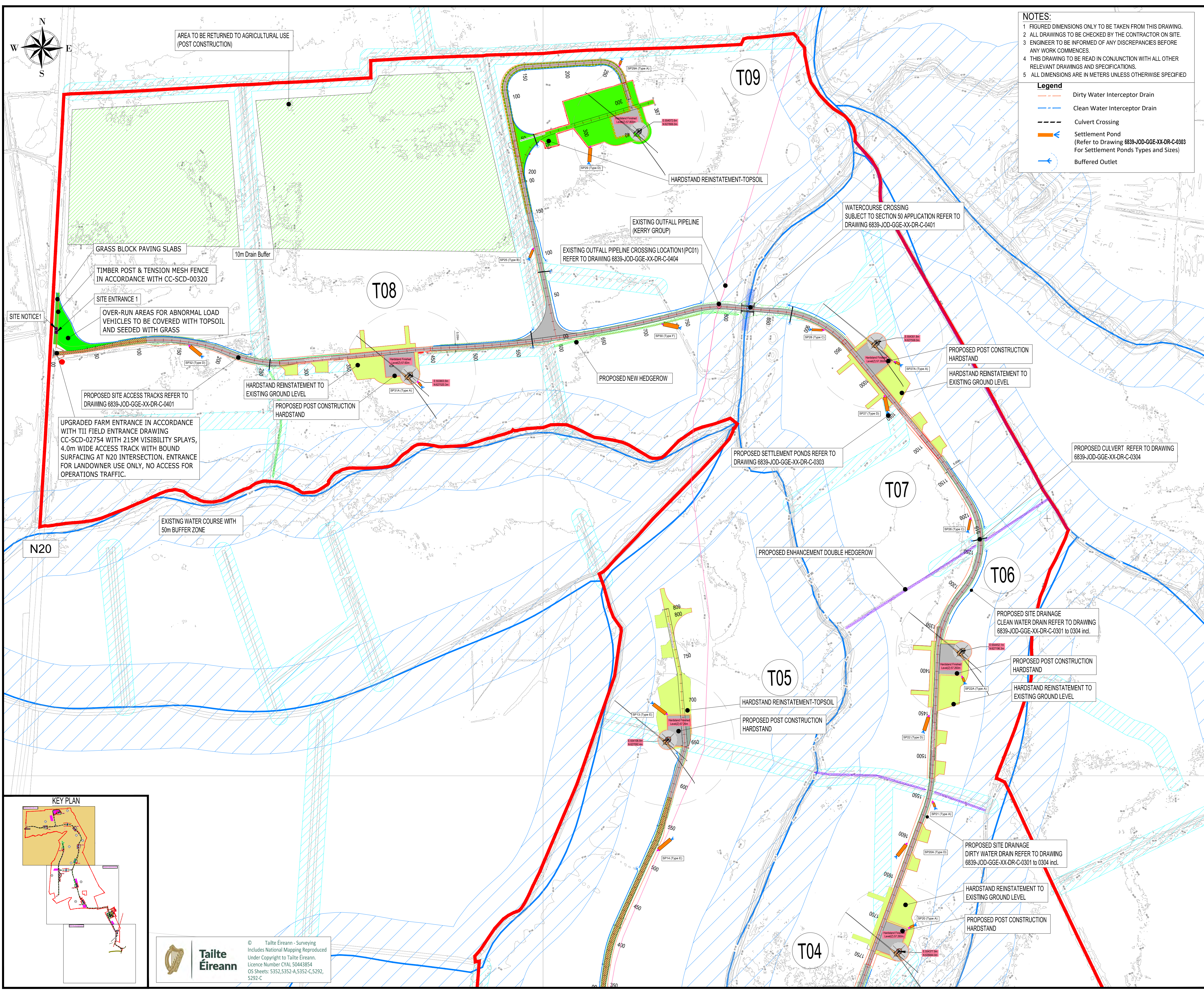
Scales
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Legend

- Dirty Water Interceptor Drain
- Clean Water Interceptor Drain
- Culvert Crossing
- Settlement Pond (Refer to Drawing 6839-JOD-GGE-XX-DR-C-0303 For Settlement Ponds Types and Sizes)
- Buffered Outlet

Legend

- Planning Application Boundary
- Proposed Wind Turbine
- Proposed Crane Hardstand
- Area to be Returned to Agricultural Use. Temporary Ditches to be Infilled. Ground To be Regraded and Reseeded With 150mm Topsoil and Grass Accordingly, Topsoil Spread Will not Occur Within 10m of On Site Drainage
- Proposed Meteorological Mast
- Hardstand Reinstatement- To Existing Ground Level
- Hardstand Reinstatement- Topsoil
- Proposed Substation Location
- Road Side Berm
- Substation Berm
- Proposed Temporary Compound Location
- Proposed Access Track
- Contours of existing ground elevation
- Proposed Fill
- Proposed Cut
- Watercourse Crossing
- Existing Outfall Pipeline Crossing
- Existing Watercourse
- Existing Watercourse with 50m buffer
- 10m Drain Buffer
- Proposed New Hedgerow
- Proposed Enhancement Double Hedgerow
- Temporary Road Widening
- Grass Block Paving Slabs
- Bound Asphalt Surface at Site Entrance
- Access Gate
- Temporary Stockproof Fencing
- Timber Post & Tension Mesh Fence
- Existing Farm Tracks To be Modified(Permanent)
- Existing Outfall Pipeline (Kerry Group)

rev	date	modifications	D	C	A

Client
Garrane Green Energy Ltd.

Project
Garrane Green Energy project, Co.Limerick.

Stage
Planning

Title
Post Construction Site Reinstatement Details-(Sheet 01 of 03)

Scales
1:2,000 (A1)

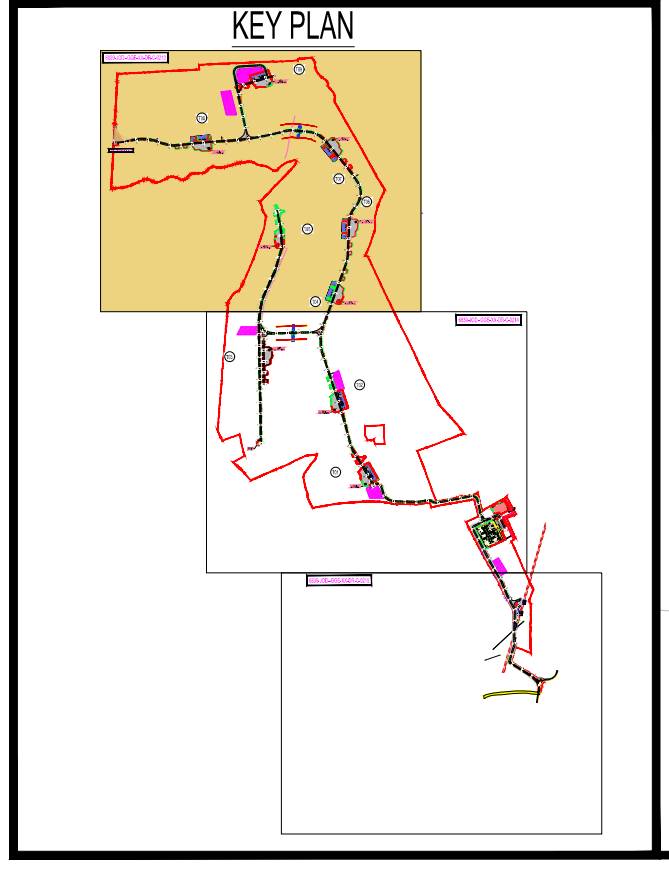
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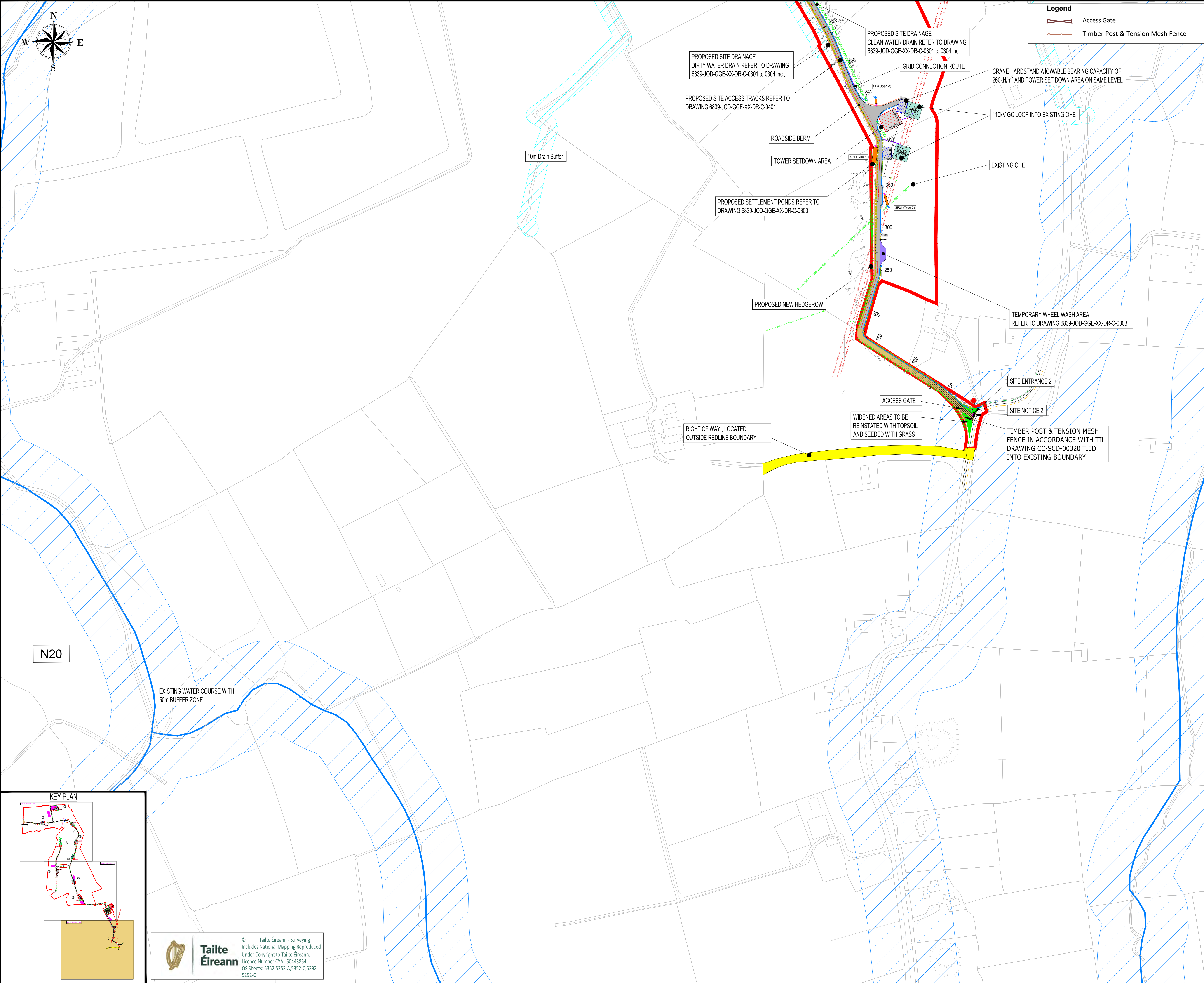
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Legend

- Planning Application Boundary
- Proposed Wind Turbine
- Proposed Crane Hardstand
- Hardstand Reinstatement- To Existing Ground Level
- Hardstand Reinstatement- Topsoil
- Proposed Substation Location
- Road Side Berm
- Substation Berm
- Proposed Temporary Compound Location
- Proposed Access Track
- Contours of existing ground elevation
- Proposed Fill
- Proposed Cut
- Existing Watercourse
- Existing Watercourse with 50m buffer
- 10m Drain Buffer
- Proposed New Hedgerow
- Proposed Enhancement Double Hedgerow
- Existing Farm Tracks To be Modified(Permanent)
- Dirty Water Interceptor Drain
- Clean Water Interceptor Drain
- Culvert Crossing
- Settlement Pond (Refer to Drawing 6839-JOD-GGE-XX-DR-C-0303 For Settlement Ponds Types and Sizes)
- Buffered Outlet
- Right of Way
- Over Head Electric
- Loop in Tower
- Proposed New Hedgerow

rev	date	modifications	D	C	A

Client

Garrane Green Energy Ltd.



Project

Garrane Green Energy project, Co.Limerick.

Stage

Planning

Title

Post Construction Site Reinstatement Details-(Sheet 03 of 03)

Scales

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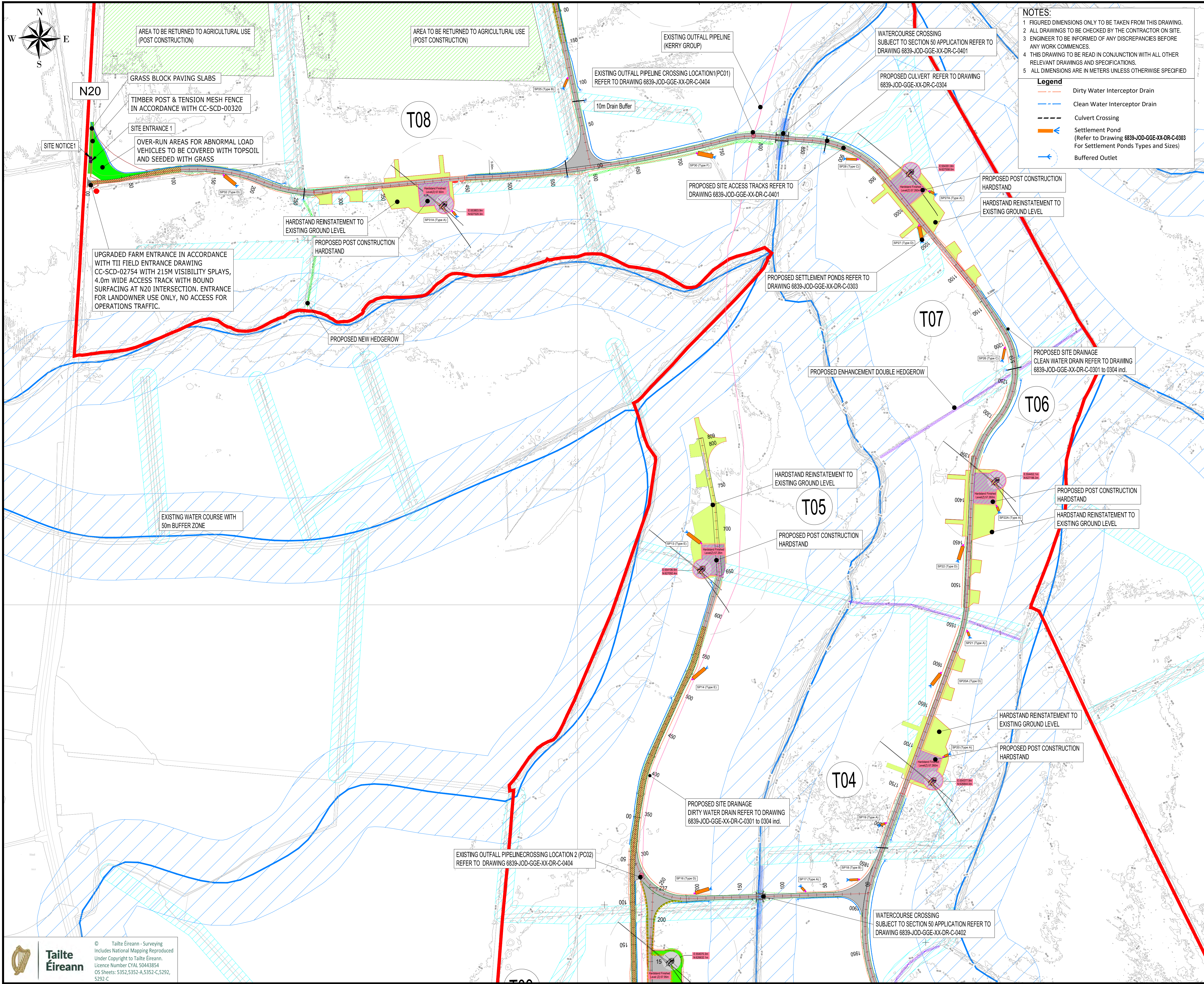
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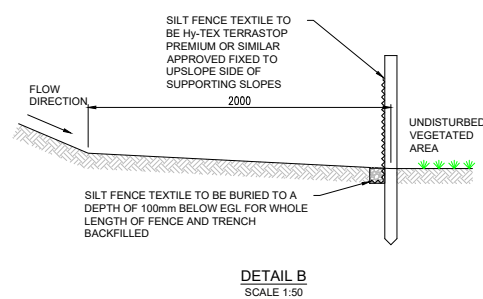
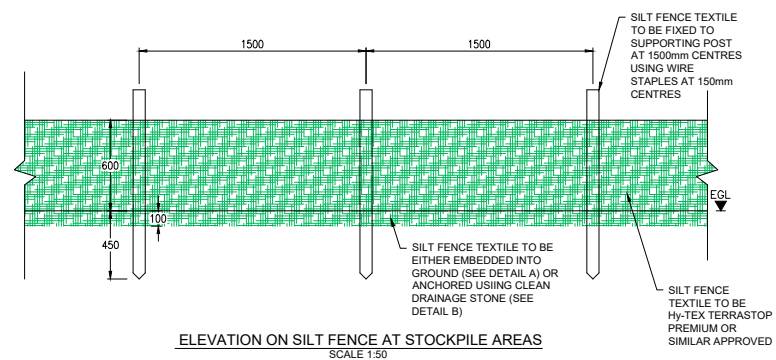
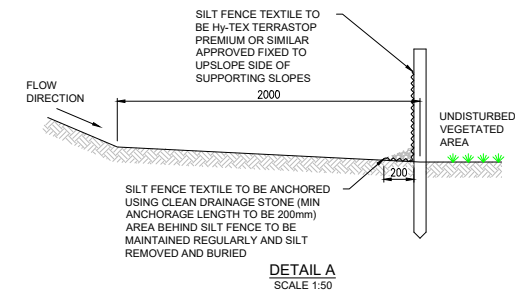
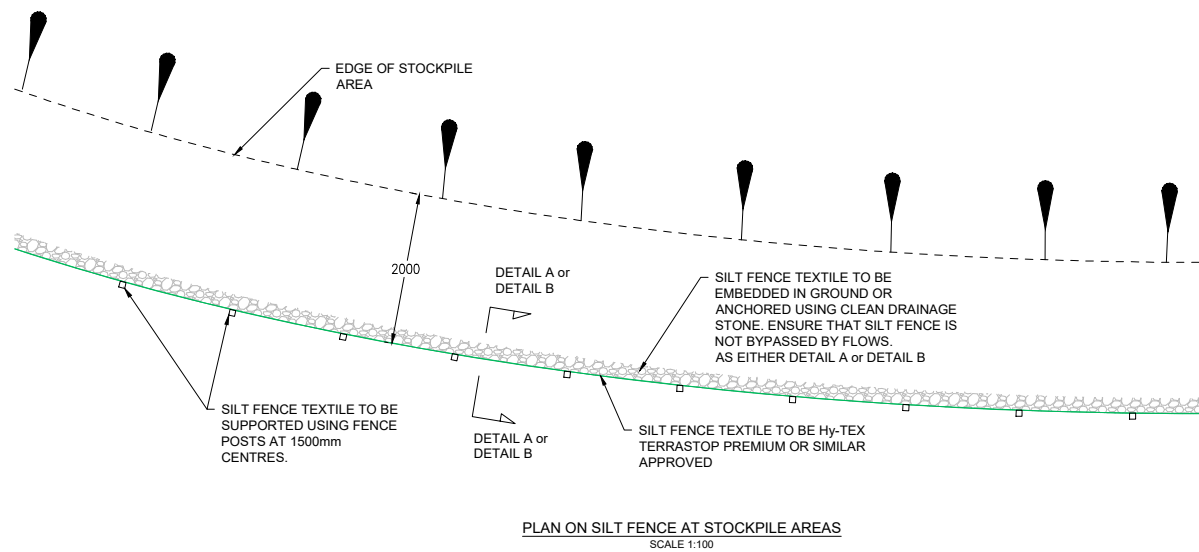
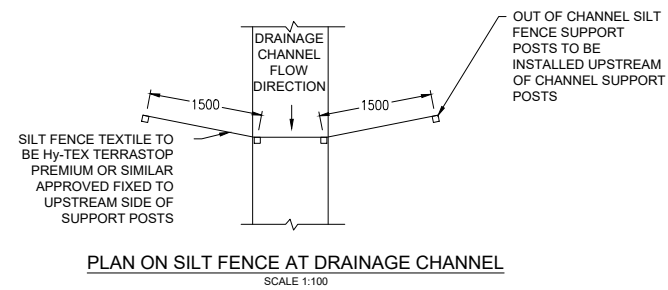
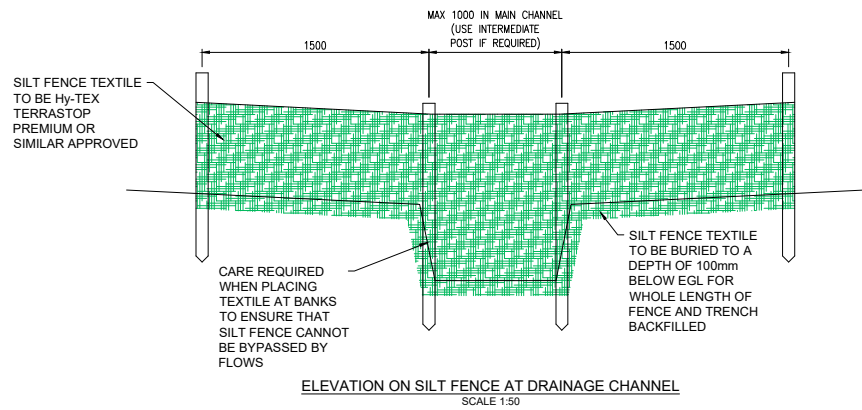
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rev.	date	modifications		D	C	A

Client					
Garrane Green Energy Ltd.					
					
Project					
Garrane Green Energy Project, Garrane, Co.Limerick.					
Stage					
Planning					
Title					
Drainage Details Sheet 2 of 4					
Scales					
As Noted @ (A3)					
Surveyed	Prepared	Checked	Approved	Date	
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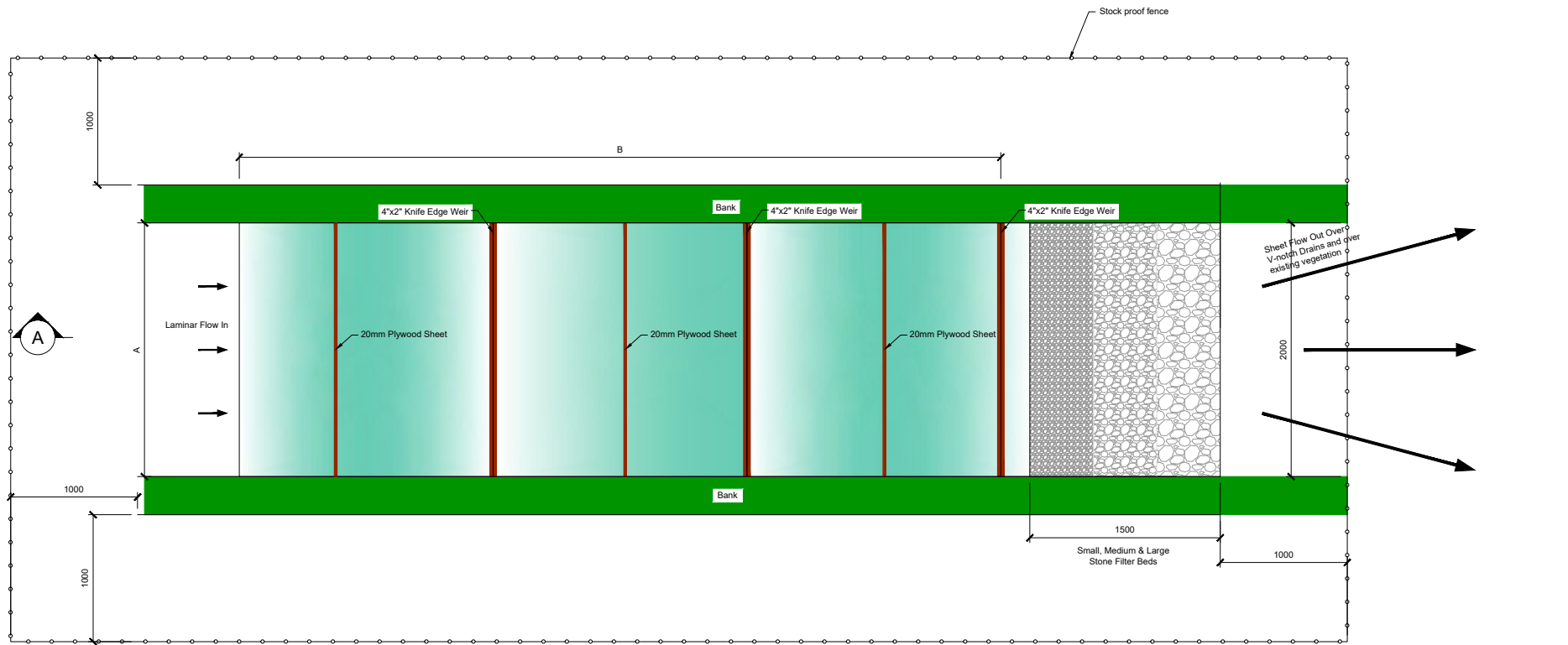
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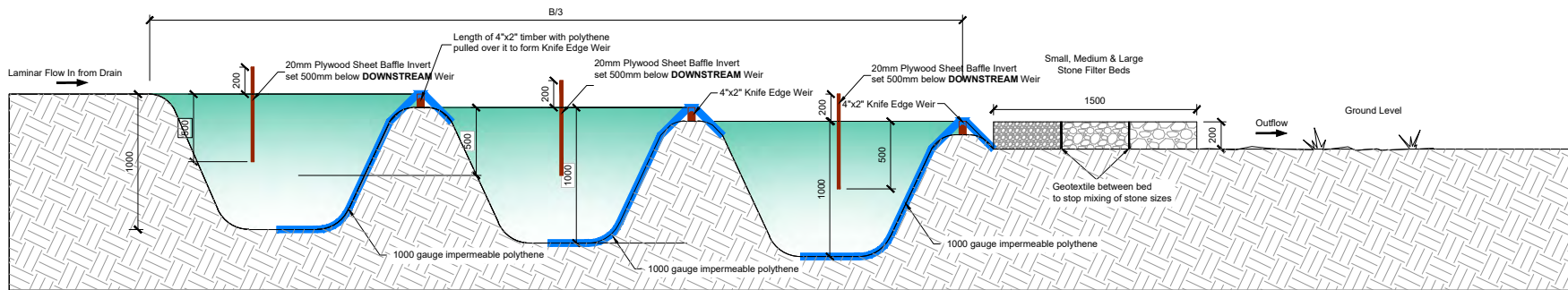
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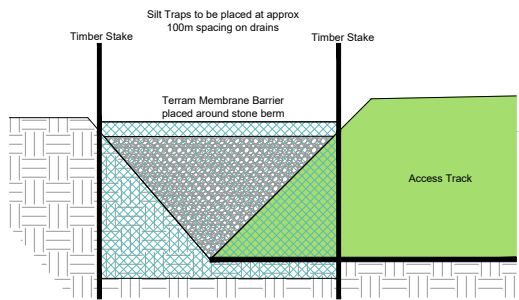
PLAN VIEW OF SETTLEMENT PONDS (WITH DISCHARGE TO DRAINS WHERE APPLICABLE)

SCALE: 1:50



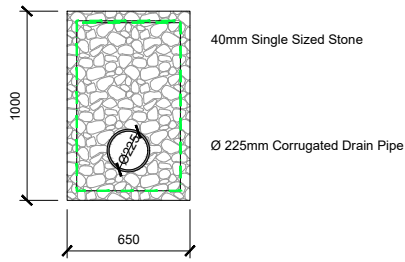
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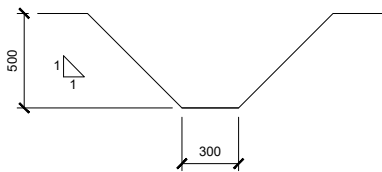
SEDIMENT FENCE DETAIL

SCALE: N.T.S



PERMANENT PERIPHERAL LAND DRAIN

SCALE: N.T.S



TEMPORARY "V" DITCH DRAIN PROFILE

SCALE: N.T.S



COMPLETED SETTLEMENT POND SYSTEM

SCALE: N.T.S

NOTES:

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Type	A Width (m)	B Length (m)	Pond Type
SP0	4	16.5	Type D
SP1	5	18	Type F
SP2	4	16.5	Type D
SP2A	4	16.5	Type D
SP2B	4	16.5	Type D
SP2C	4	16.5	Type D
SP3	2.5	5	Type A
SP4	2.5	5	Type A
SP5	2.5	10	Type B
SP6	2.5	10	Type B
SP7	4	16.5	Type D
SP7A	2.5	5	Type A
SP8	2.5	10	Type B
SP9	4	16.5	Type D
SP9A	2.5	5	Type A
SP10	2.5	10	Type B
SP11	2.5	10	Type B
SP12	2.5	10	Type B
SP13	4	18.5	Type E
SP14	4	18.5	Type E
SP15	4	18.5	Type E
SP16	2.5	16.5	Type D
SP17	2.5	5	Type A
SP18	2.5	10	Type B
SP19	2.5	5	Type A
SP20A	4	16.5	Type D
SP20	2.5	5	Type A
SP21	2.5	5	Type A
SP22	4	16.5	Type D
SP22A	2.5	5	Type A
SP23	2.5	12.5	Type C
SP24	2.5	12.5	Type C
SP25	2.5	10	Type B
SP26	2.5	12.5	Type C
SP27	4	16.5	Type D
SP27A	2.5	5	Type A
SP28	2.5	12.5	Type C
SP29	4	16.5	Type D
SP29A	5	18	Type F
SP30	5	18	Type F
SP31	4	16.5	Type D
SP31A	2.5	5	Type A
SP32	2.5	16.5	Type D

HY-TEX Terrastop Premium
Silt Fence or similar approved.
Held in place with 75mmSq by
1.0m height timber posts @ 1.5m c/c

Pond Types	W(m)	D (m)	L (m)
Type A	2.5	1	5
Type B	2.5	1	10
Type C	2.5	1	13
Type D	4	1	17
Type E	4	1	19
Type F	5	1	18

Table Detailing Linked To Types of Settlement
Ponds Mentioned in the Notes.

Client
Garrane Green Energy Ltd.



Project
Garrane Green Energy Project,
Garrane, Co.Limerick.

Stage
Planning

Title
Drainage Details
Sheet 3 of 4

Scales
As Noted @ (A3)

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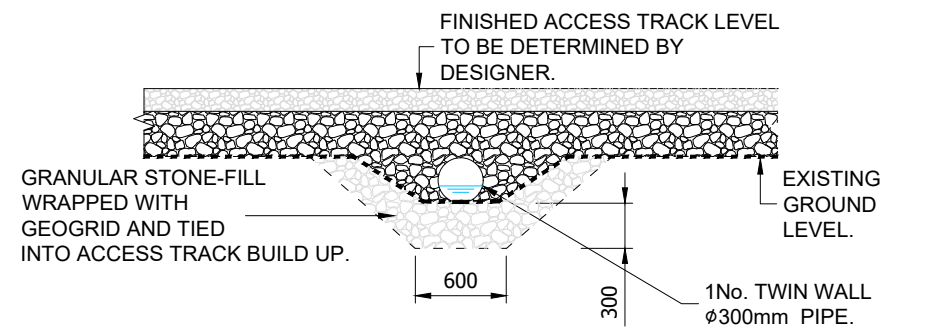
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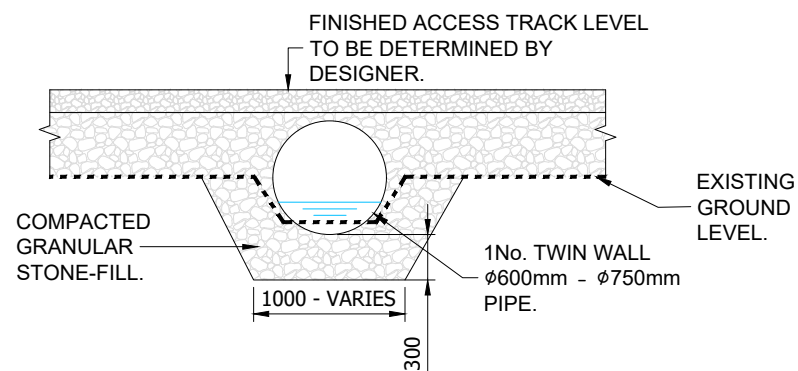
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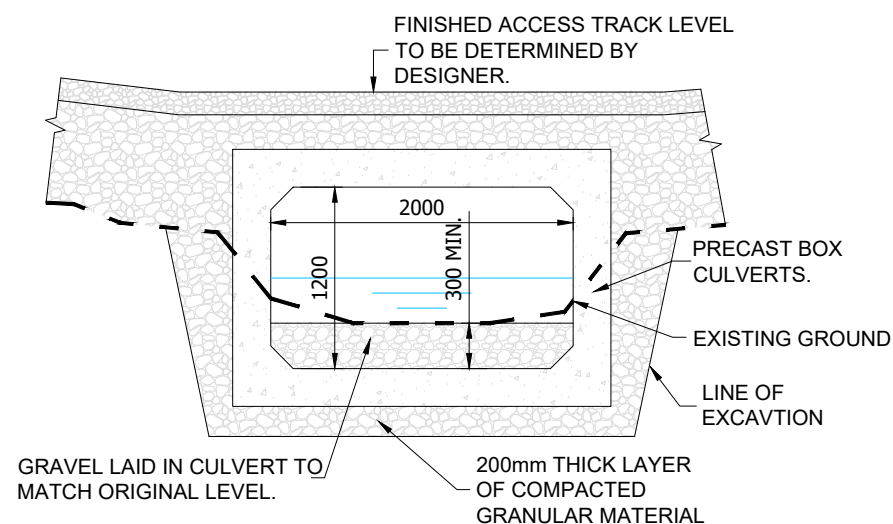
TYPE 1 CULVERT

SCALE 1:50



TYPE 2 CULVERT

SCALE 1:50



TYPE 3 CULVERT

SCALE 1:50

NOTE:

CULVERTS ARE TO BE OF ADEQUATE SIZE TO CARRY PEAK FLOWS CORRESPONDING TO A 1 IN 100 YEAR STORM EVENT, WITH A MINIMUM DIAMETER OF 900mm. THEY SHOULD BE INSTALLED TO CONFORM WHEREVER POSSIBLE TO THE NATURAL SLOPE AND ALIGNMENT OF THE STREAM OR DRAINAGE LINE. CULVERTS GREATER THAN 1m DIAMETER SHOULD BE BURIED TO A MINIMUM DEPTH OF 300mm BELOW THE STREAMBED AND THE ORIGINAL BED MATERIAL PLACED IN THE BOTTOM OF THE CULVERT.

1. FORMATION LEVEL TO BE DETERMINED BY THE CIVIL WORKS DESIGNER. REFER TO SITE INVESTIGATIONS REPORT.

2. SUB BASE MATERIAL TO CONFORM TO THE FOLLOWING:

IMPORTED MATERIAL
TO CONFORM TO TYPE 6F1 IN ACCORDANCE WITH TABLE 6/2 OF THE NRA SPECIFICATION FOR ACCESS TRACK WORKS.

SITE WON MATERIAL
ROCK WON IN EXCAVATION OF TURBINES MUST BE CRUSHED AND GRADED ON SITE. THE MAXIMUM SIZE OF AGGREGATE TO BE 125mm. THE AGGREGATE GRADING TO BE AGREED WITH THE ENGINEER.

3. SURFACE LAYER TO BE CLAUSE 804. THIS LAYER MAY BE APPLIED IMMEDIATELY BEFORE TURBINE DELIVERY.

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rev.	date	modifications	D	C	A

Client Garrane Green Energy Ltd.				
				
Project Garrane Green Energy Project, Garrane, Co.Limerick.				
Stage Planning				
Title Drainage Details Sheet 4 of 4				
Scales 1:50 (A3)				
Surveyed	Prepared	Checked	Approved	Date
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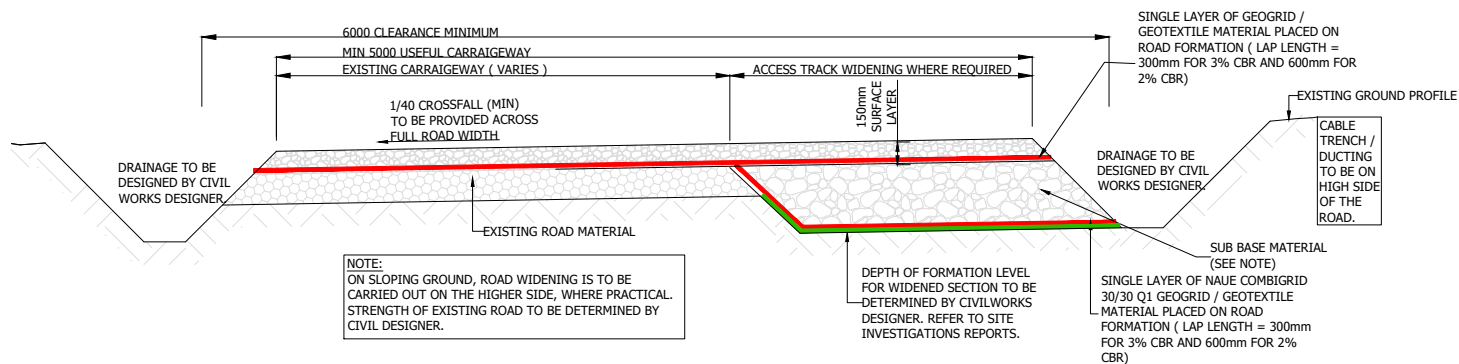
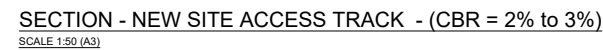
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 GEOTEXTILE LAYER
 GEOGRID / GEOTEXTILE LAYER



ACCESS TRACK WIDENING ON EXISTING SITE ACCESS TRACKS WHERE REQUIRED CONSTRUCTION PHASE

[illegible]

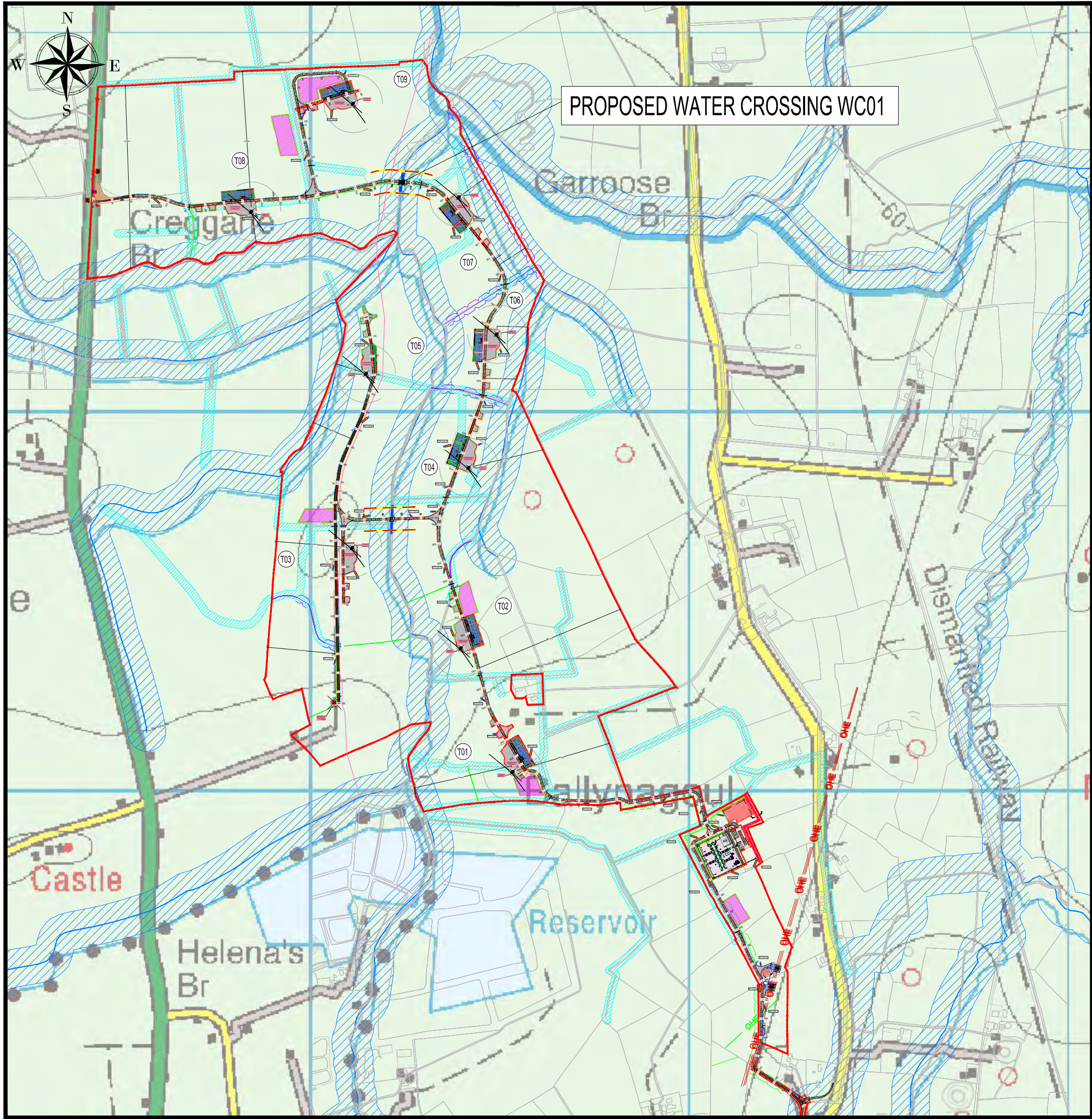
Title	Access Track Construction Details
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Surveyed	Drawn A.G	Checked J.D	Approved A.O.G	Date Aug 2025
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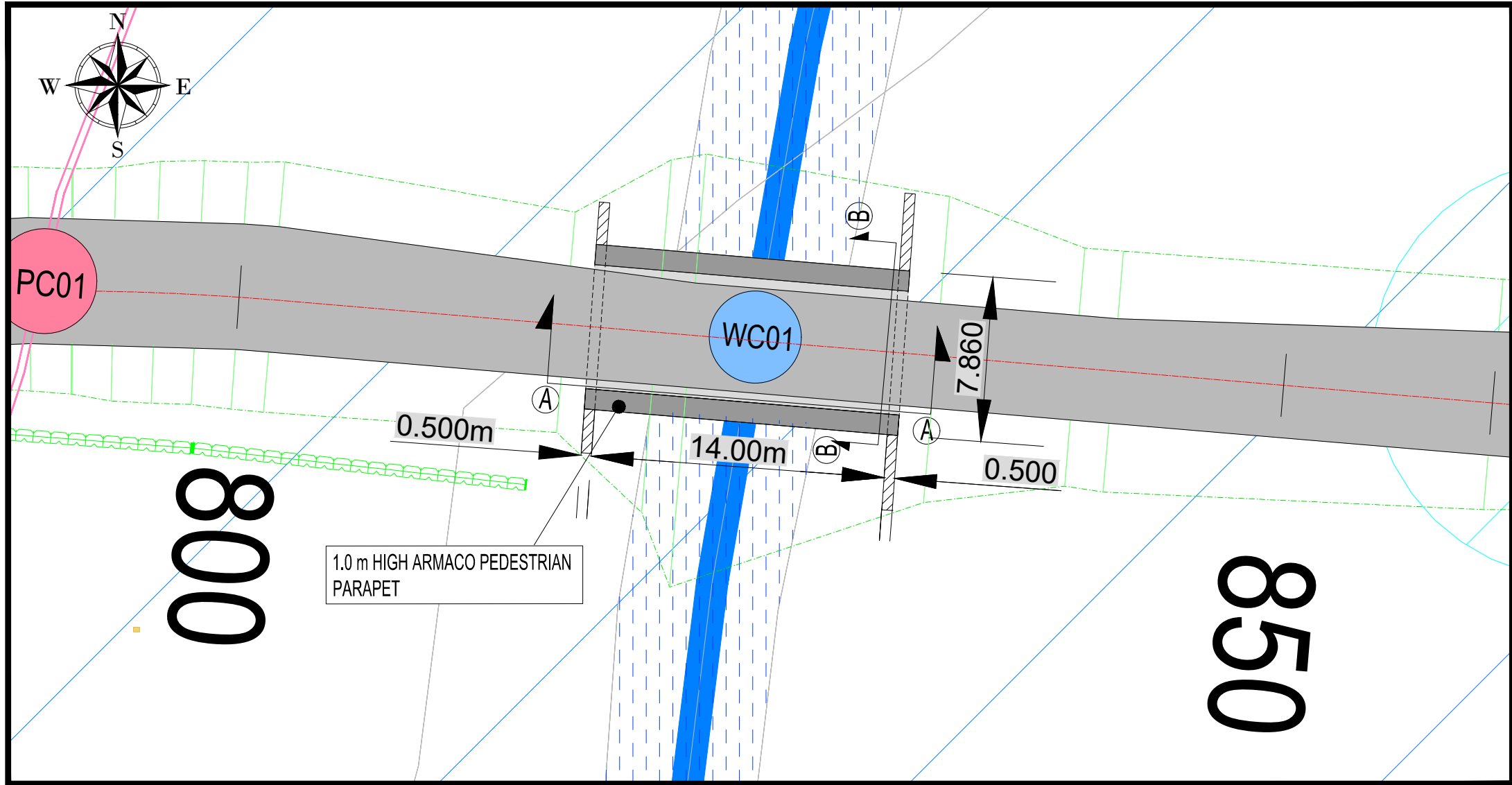


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Job Ref.	Drawing No.	Revision
6839	6839-JOD-GGE-XX-DR-C-0401	-

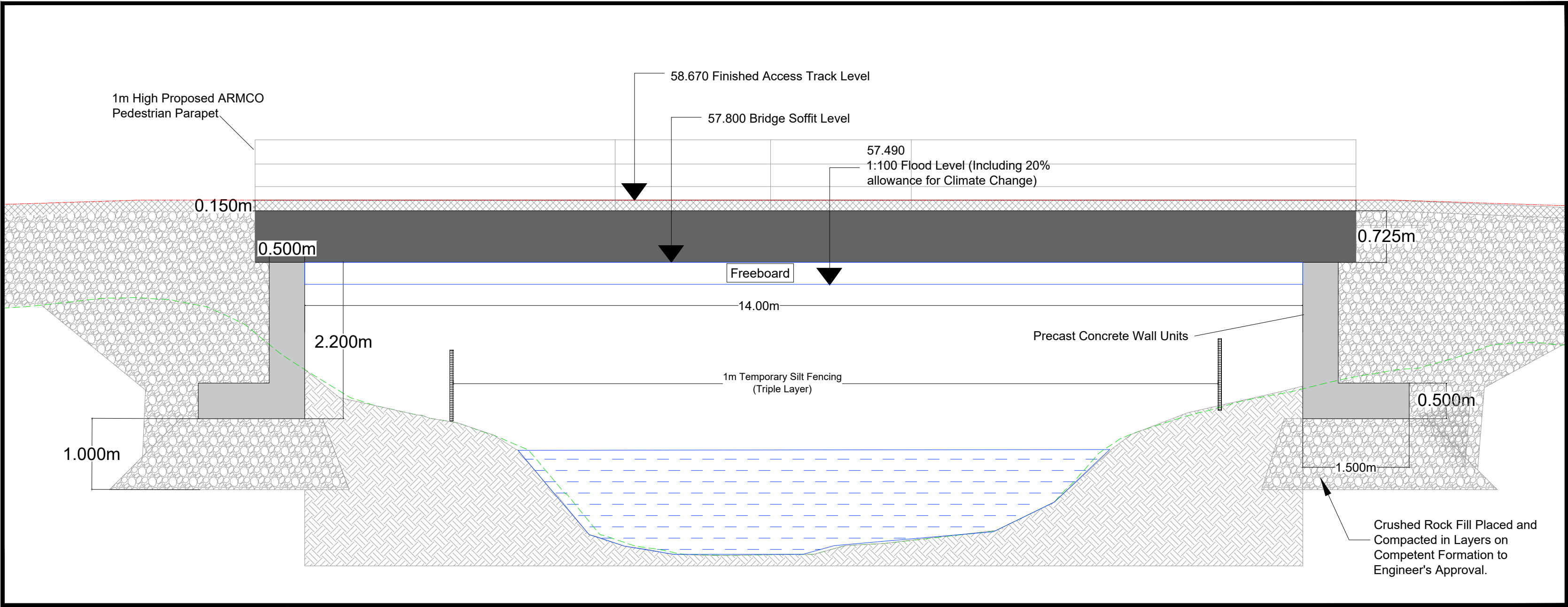


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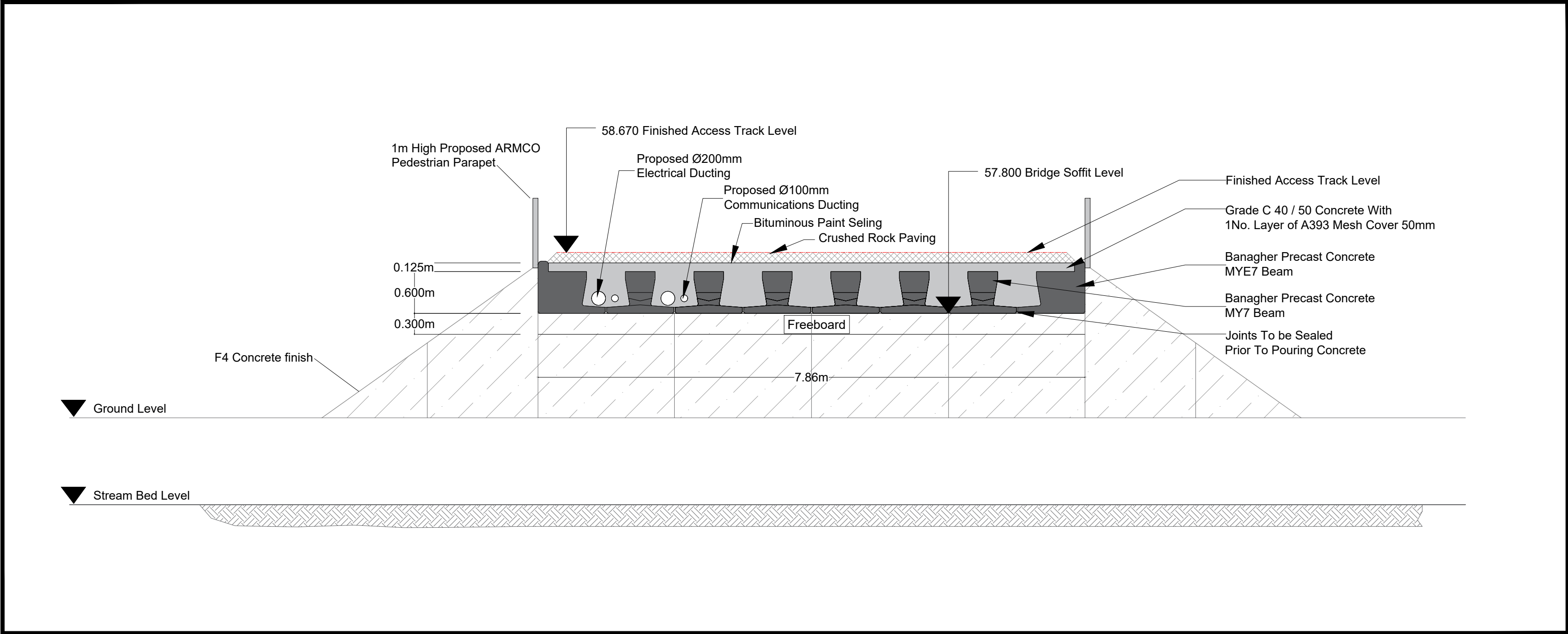


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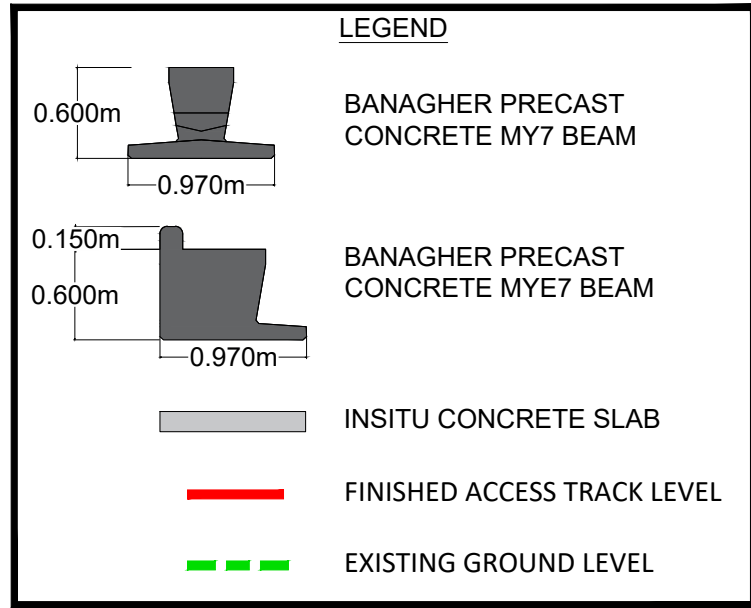
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OS Sheets: 5352,5352-A,5352-C,5292,
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Section A-A Through Proposed Watercourse Crossing WC01
Scale 1:50(A1)



Section B-B Through Proposed Watercourse Crossing WC01
Scale 1:50(A1)



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4 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

Rev.	Date	Amendments	D	C	A

Client
Garrane Green Energy Ltd.

Project
Garrane Green Energy project,
Garrane, Co.Limerick.

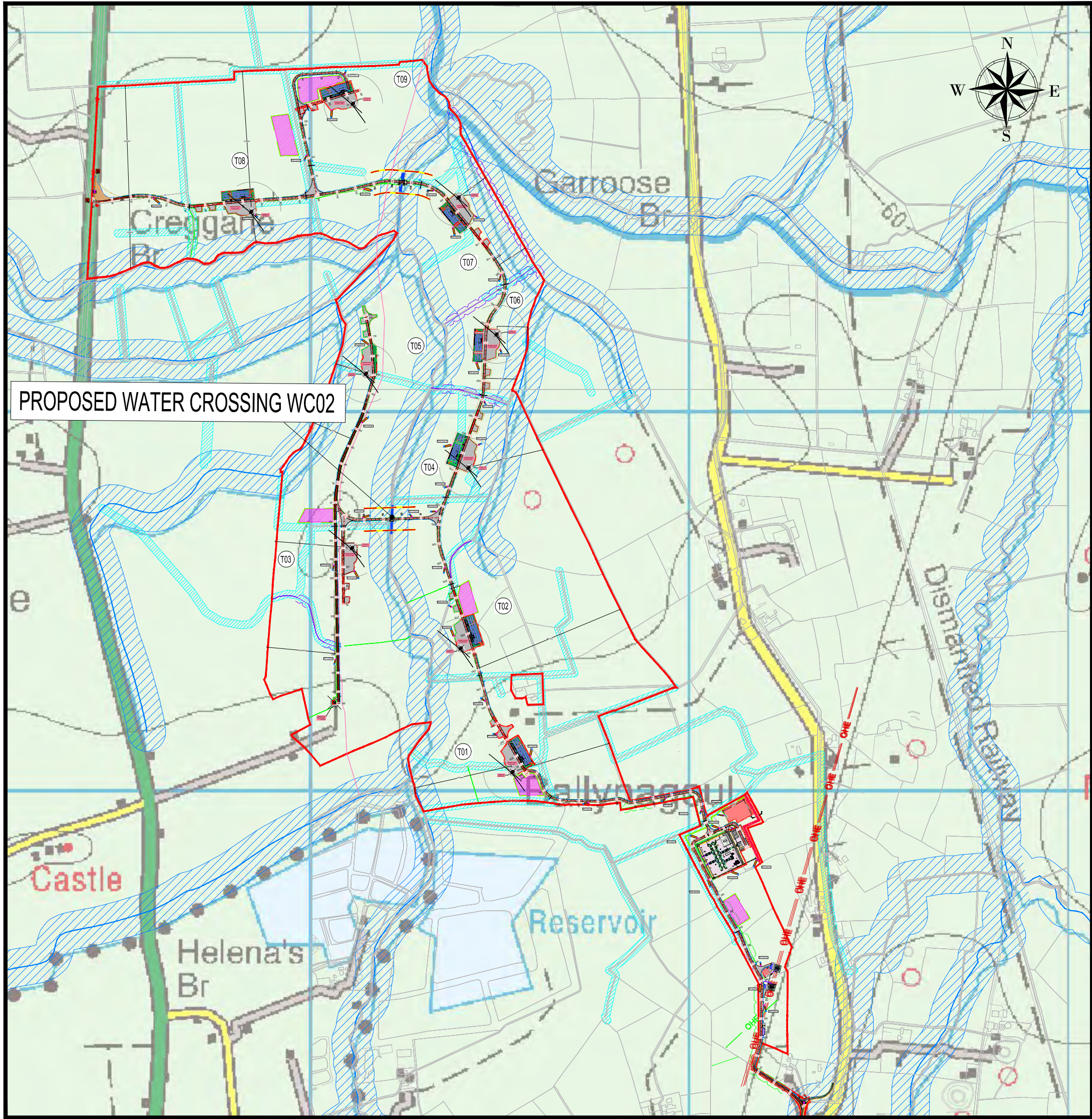


Title
Proposed Water Crossing WC01

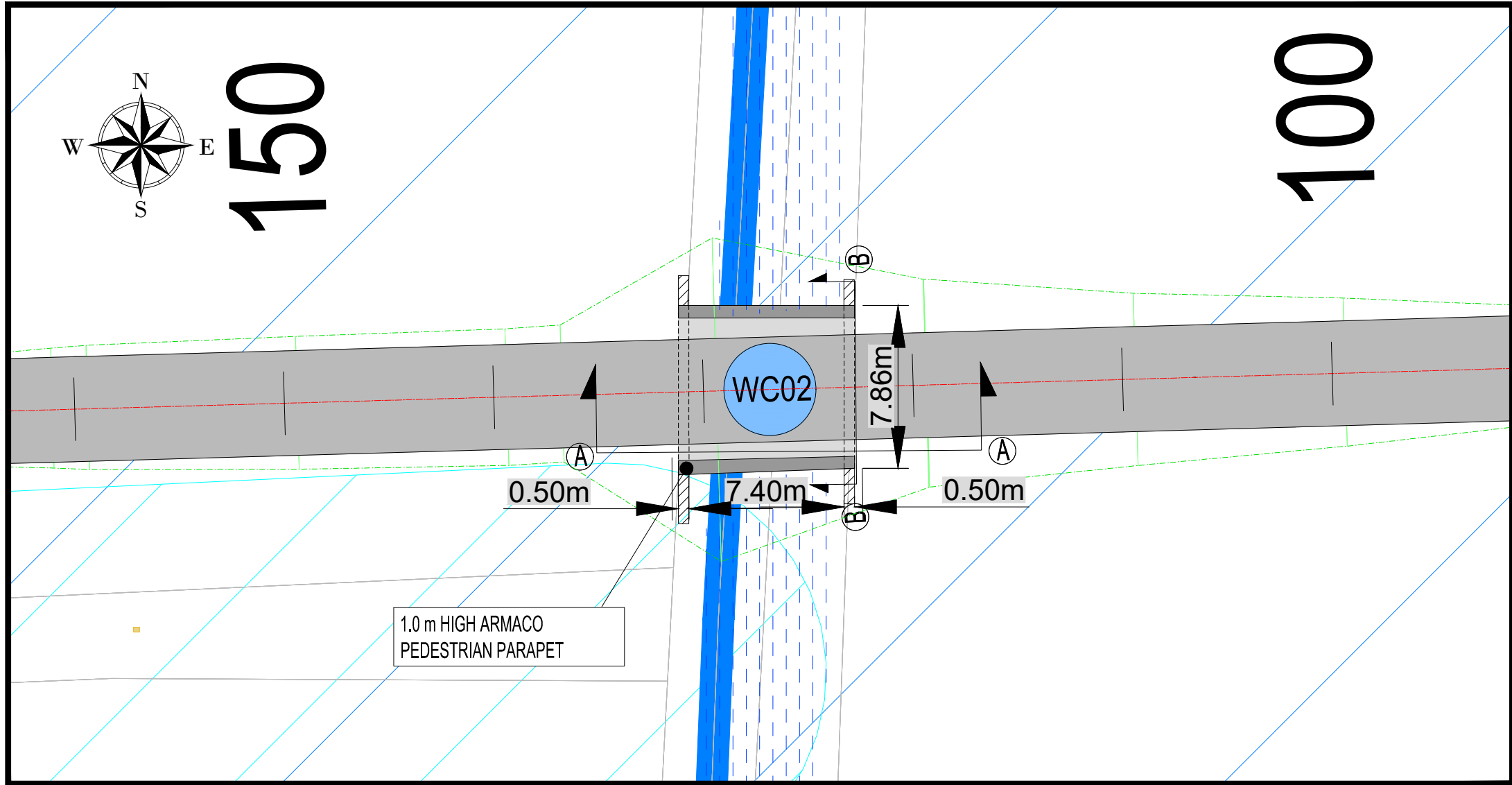
Issue Details
Surveyed: OSI
Information
Drawn: A.G
Approval
Checked: J.D
Tender
Approved: A.O.G
Construction
Scale: As Shown (A1)
Record

Office Use Only
Drawing Number:
6839-JOD-GGE-XX-DR-C-0402

Job Ref. 6839
Date. Aug 2025
Rev. -

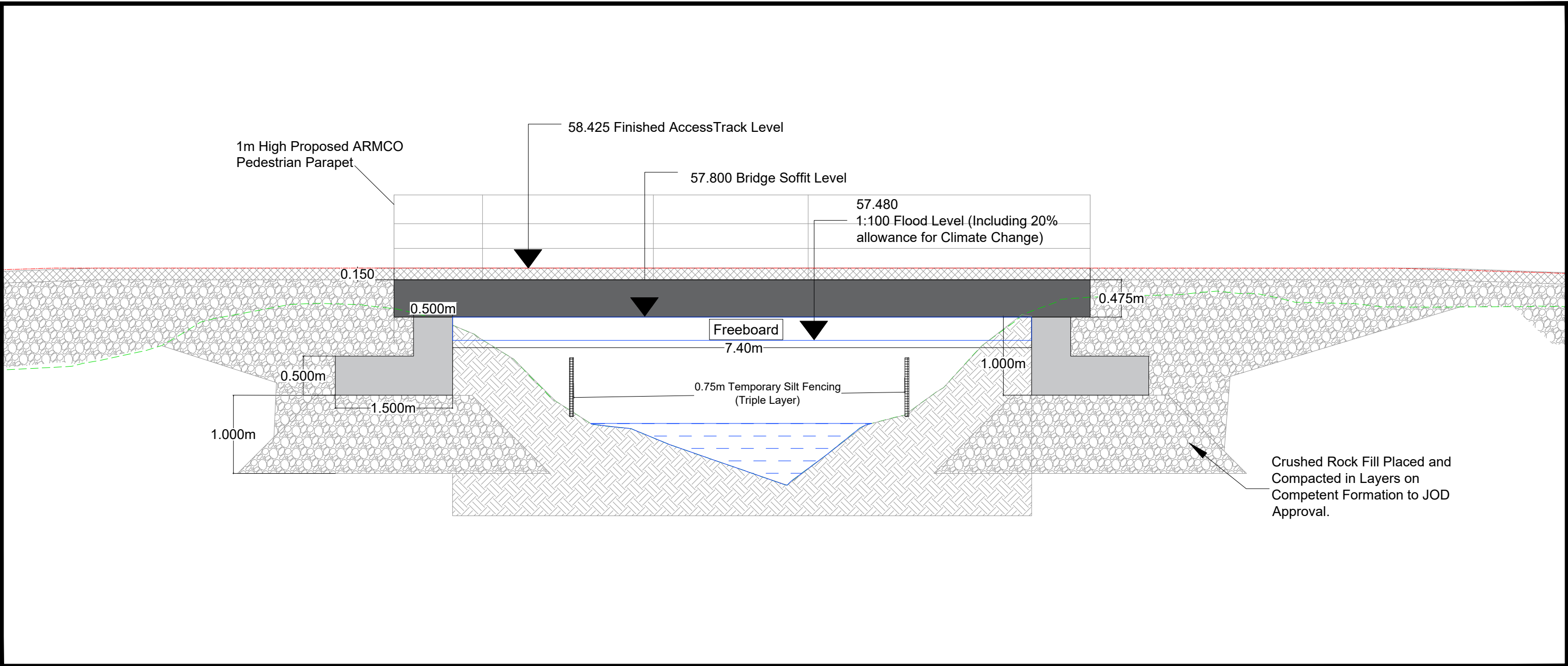


Site Layout Plan
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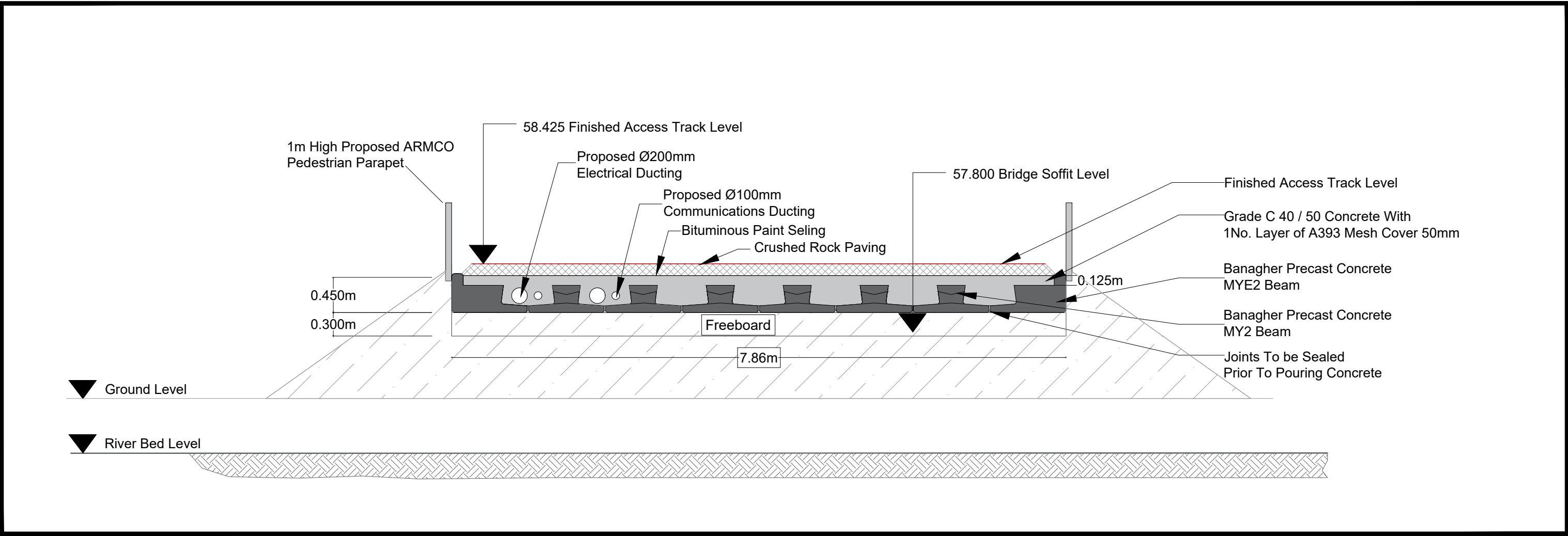


Site Layout Plan
Scale 1:250(A1)

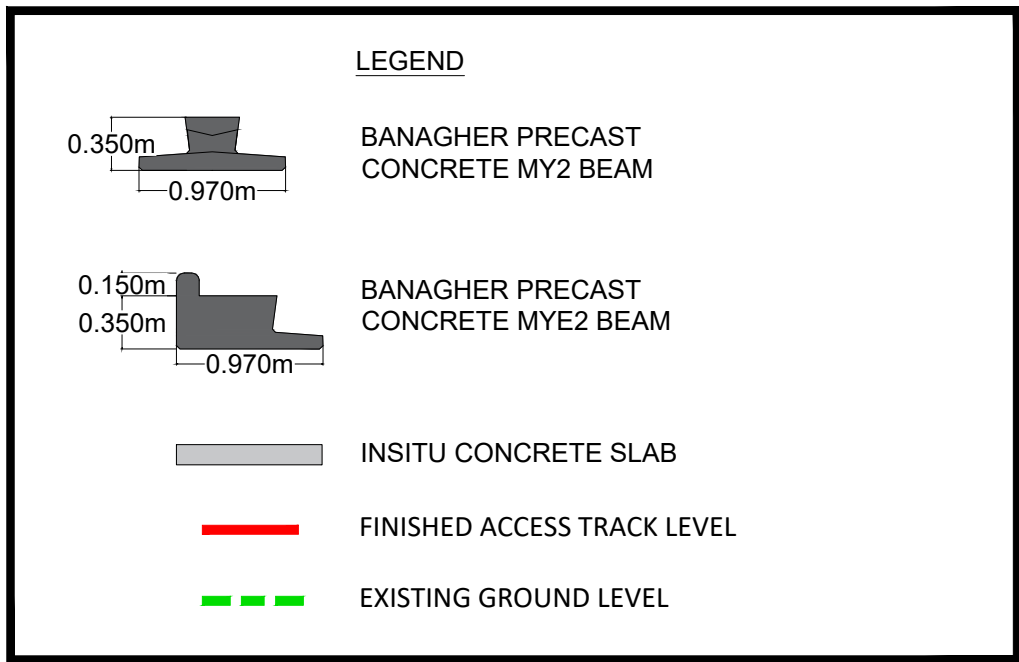
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Section A-A Through Proposed Watercourse Crossing WC02
Scale 1:50(A1)



Section B-B Through Proposed Watercourse Crossing WC02
Scale 1:50(A1)



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Rev.	Date	Amendments	D	C	A

Client
Garrane Green Energy Ltd.

Project
Garrane Green Energy project,
Garrane, Co.Limerick.

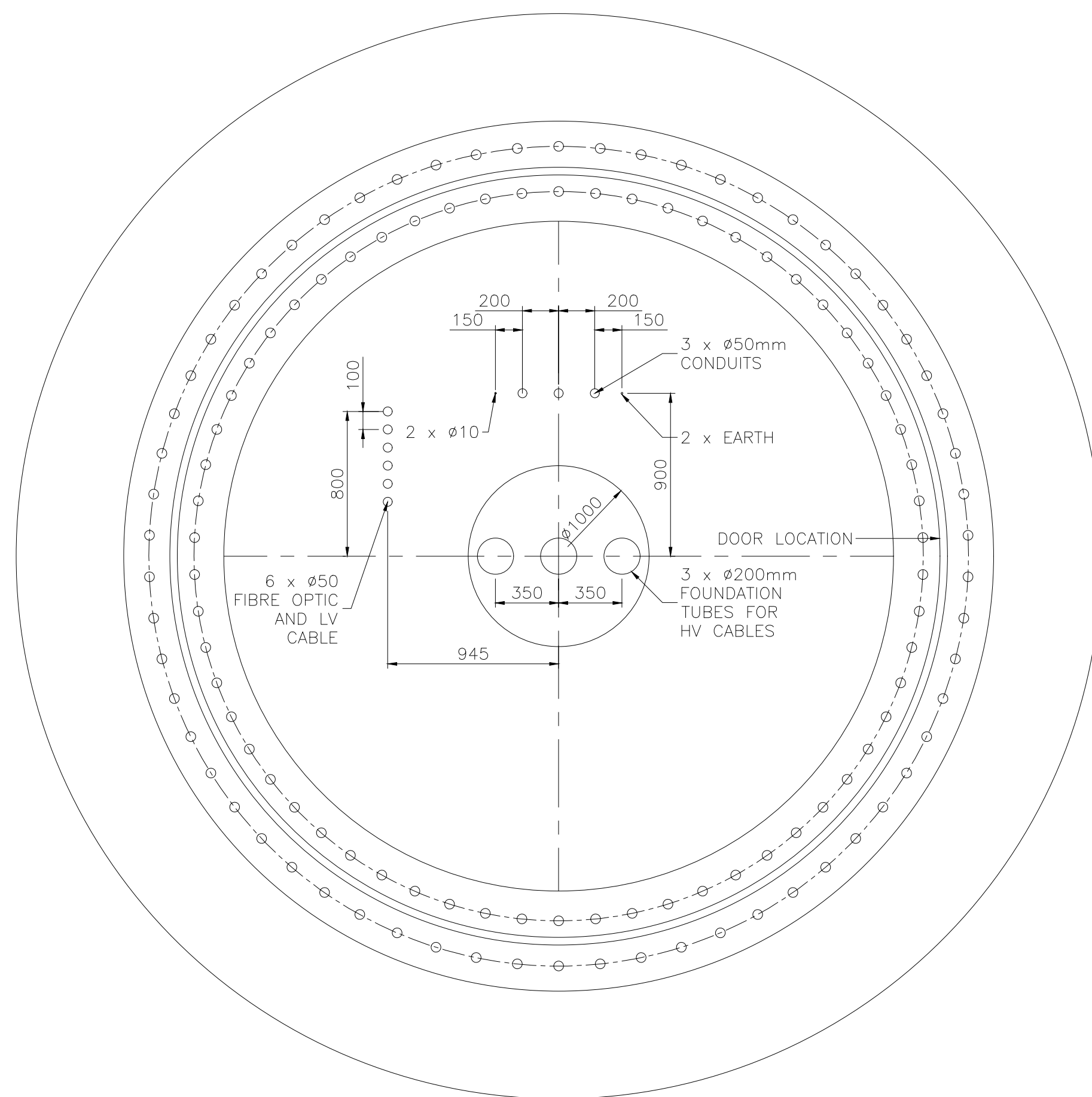


Title
Proposed Water Crossing WC02

Issue Details	
Surveyed: OSI	Information
Drawn: A.G	Approval
Checked: J.D	Tender
Approved: A.O.G	Construction
Scale: As Shown (A1)	Record

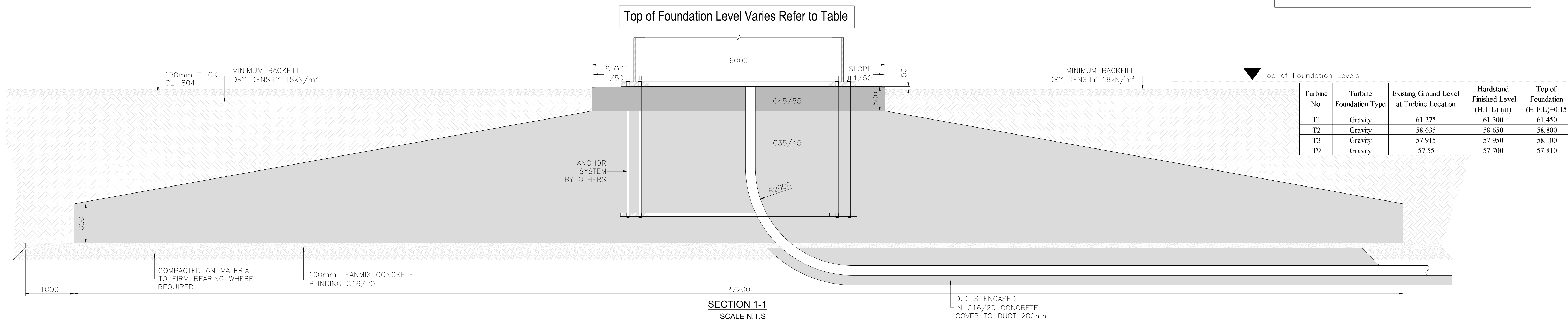
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Drawing Number:
6839-JOD-GGE-XX-DR-C-0403

Job Ref.	Date.	Rev.
6839	Aug 2025	-



TYPICAL DUCT ARRANGEMENT
SCALE 1:25

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 2. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 4. ALL LEVELS ARE RELATIVE TO AN ARBITRARY DATUM OF 0.000M AT EXISTING GROUND LEVEL AT THE CENTRE OF THE FOUNDATION.
 5. DRAWINGS ARE NOT TO BE SCALED.
 6. PROVISION SHOULD BE MADE FOR DE-WATERING EXCAVATION DURING THE FOUNDATION CONSTRUCTION PHASE IF NECESSARY.
 7. PLINTH EDGES TO FINISHED WITH A 20mm BULL NOSE CORNER.
 8. TURBINE DOOR TO FACE HARDSTAND.
 9. CONCRETE IN PLINTH TO BE GRADE C45/55 CEM III/B (65-80% GGBS), EXPOSURE CLASS XC4, XF3, XA1, DS-1, AC-1. CONCRETE IN BASE TO BE GRADE C35/45 CEM III/B (65-80% GGBS), EXPOSURE CLASS : XC4, XF1, XA1, DS-1, AC-1. MAXIMUM WATER CEMENT RATIO 0.5
MINIMUM CEMENT CONTENT 340kg/m³
MAXIMUM CEMENT CONTENT 450kg/m³
MAXIMUM AGGREGATE SIZE 20mm
TARGET SLUMP 140mm (+/-40mm)
CONCRETE TO BE IN ACCORDANCE WITH IS 206-1.
THE CONCRETE EXPOSURE CLASSIFICATION GIVEN IS A MINIMUM STANDARD. CONCRETE SHALL BE LOW HYDRATION CEMENT.
 10. SURFACE FINISH FOR ANY FORMED SURFACES EXPOSED IN THE PERMANENT WORKS TO BE CLASS F3 IN ACCORDANCE WITH THE T1 DMRB. SURFACE FINISH FOR UNFORMED SURFACES EXPOSED IN THE PERMANENT WORKS TO BE CLASS U3.
 11. CONCRETE SHALL BE SPRAYED WITH A CURING COMPOUND TO THE MANUFACTURER'S RECOMMENDATIONS AND COVERED WITH TWO LAYERS OF WET HESSIAN AND PVC SHEET AFTER INITIAL SET. COVER SHALL BE KEPT IN PLACE FOR AT LEAST 3 DAYS.
 12. CUBE TESTS – FOR C35/45, C45/55 CONCRETE AND GROUT. CONCRETE & GROUT CUBES TO BE PREPARED FOR COMPRESSIVE STRENGTH TESTING. A SET OF CONCRETE CUBES WILL BE TAKEN FROM THE FIRST & LAST CONCRETE DELIVERY & 1 SET EVERY 30m³ OF CONCRETE PUMPED. EACH SET WILL COMPRISE 6NO. CUBES TO BE TESTED AS FOLLOWS:
1No. AT 7 DAYS
2No. AT 28 DAYS
2No. AT 56 DAYS
1No. SPARE
 13. EACH CONCRETE DOCKET HAS A UNIQUE NUMBER & BAKING CODE. THESE WILL BE RECORDED ON THE CONCRETE POUR REPORT. CONCRETE SHALL NOT BE EXECUTED AT AN AIR TEMPERATURE OF 3 DEGREES CELSIUS AND BELOW WITHOUT PRIOR APPROVAL OF A SPECIFIC METHOD STATEMENT. TEMPERATURE PROBING OF EACH CONCRETE DELIVERY WHEN THE AMBIENT TEMPERATURE IS LESS THAN 3°C THERE WILL BE A MINIMUM OF 13 NO. SETS OF 6 NO. CUBES TAKEN FOR EACH POUR TO SATISFY THE ER'S.
 14. DURING CONSTRUCTION THE EXPOSED THREADED SECTIONS OF THE ANCHOR BOLTS ARE TO BE COVERED TO PREVENT ANY DIRECT CONTACT WITH THE CONCRETE.
 15. THE CONCRETE BLINDING IS TO BE THOROUGHLY WETTED BEFORE POURING THE FOUNDATION CONCRETE.
 16. CONCRETE VOLUMES (GROSS):
MAIN BASE: 826m³
PLINTH: 14.1m³

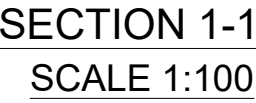


Turbine No.	Turbine Foundation Type	Existing Ground Level at Turbine Location	Hardstand Finished Level (H.F.L) (m)	Top of Foundation (H.F.L)+0.15
T1	Gravity	61.275	61.300	61.450
T2	Gravity	58.635	58.650	58.800
T3	Gravity	57.915	57.950	58.100
T9	Gravity	57.55	57.700	57.810

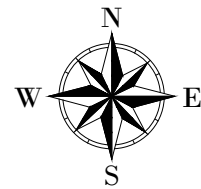


- NOTES:**
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 2. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 4. REFER TO REFERENCE DRAWINGS FOR GENERAL NOTES.
 5. CONCRETE IN PILES TO BE GRADE C30/37.
EXPOSURE CLASS : XC4.
CONCRETE TO BE IN ACCORDANCE WITH IS EN 206-1.
THE CONCRETE EXPOSURE CLASSIFICATION GIVEN IS A MINIMUM STANDARD.
 6. PILE TESTING REQUIREMENTS AS FOLLOWS:
-100% OF PILES TO BE INTEGRITY TESTED TO SPECIFICATION.
-4NO. PILES TO BE DYNAMICALLY TESTED PER BASE WITH 1NO. CAPWAP.
-2NO. STATIC TENSION TEST TO BE CARRIED OUT (TOTAL) TO DVL + SWL X 1.6 IN ACCORDANCE WITH ICE SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS (3rd EDITION), TB 16.1 FOR A SINGLE CYCLE TEST IN INCREMENTS OF 20% DVL.
-1NO. STATIC COMPRESSION TEST (TOTAL) SHALL BE CARRIED OUT ON A WORKING PILE IN ACCORDANCE WITH ICE SPECIFICATION FOR PILING.
PEAK TEST LOAD TO BE = 100% DVL + 50% SWL (I.E. 150% SWL, CONSIDERING DVL + SWL). THE PILE TO BE TESTED SHALL BE AGREED WITH JOD HAVING REVIEWED THE PILE INSTALLATION LOGS.

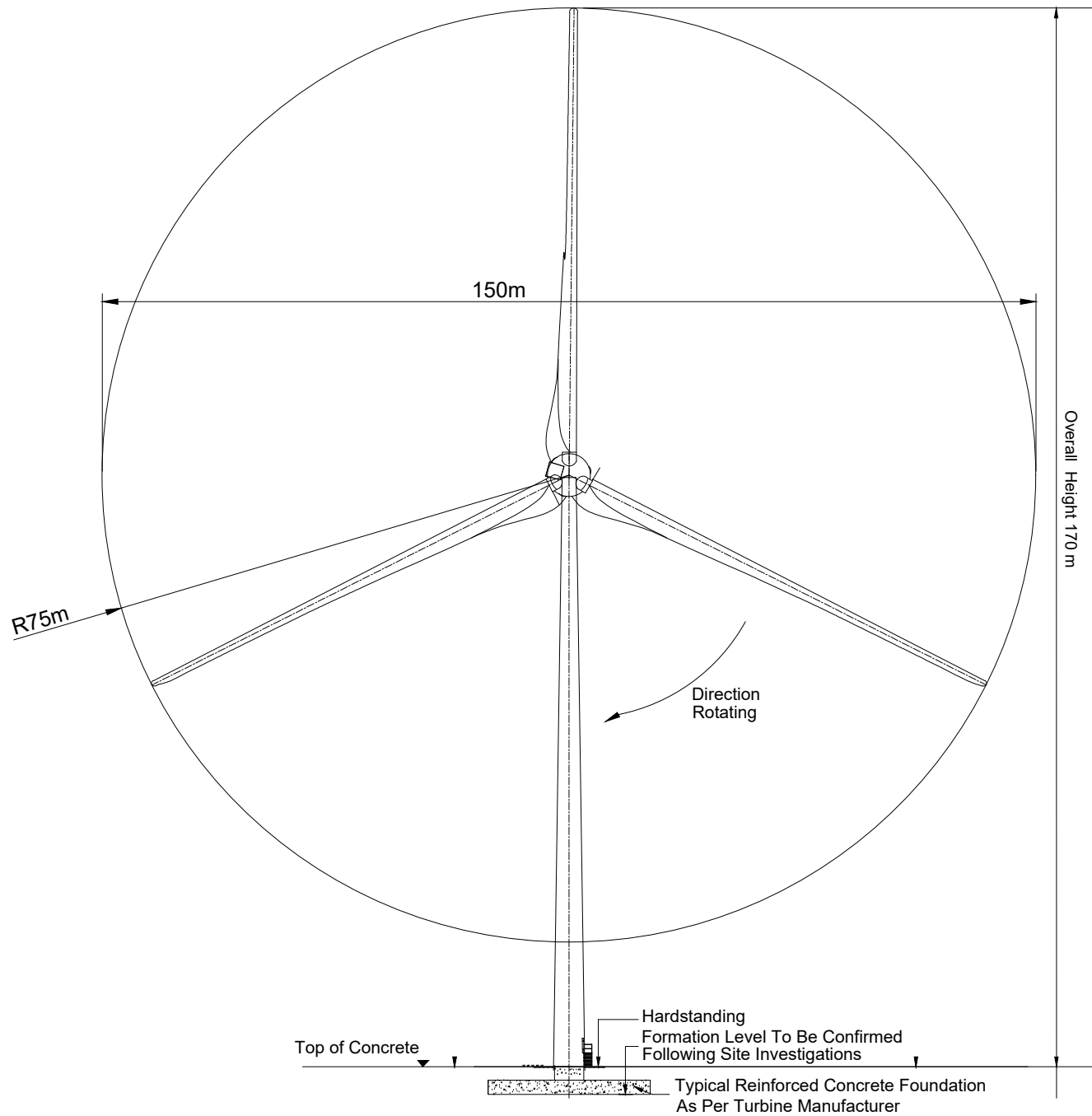
THE PILES TO BE TESTED SHALL BE AGREED WITH JOD HAVING REVIEWED THE PILE INSTALLATION LOGS. ALL TESTING SHALL BE CARRIED OUT AND REPORTED IN ACCORDANCE WITH THE ICE SPECIFICATION FOR PILING AND EMBEDDED RETAINING WALLS (3rd EDITION), THE CONTRACTOR SHALL PROVIDE JOD WITH PILE TESTING METHOD STATEMENTS FOR REVIEW IN ADVANCE OF PILE TESTING
 7. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS. THE CONTRACTOR MUST PREPARE A METHOD STATEMENT AND SUBMIT IT TO THE ENGINEER PRIOR TO THE UNDERTAKING OF ANY STRUCTURAL OR CIVIL ENGINEERING WORKS.
 8. CUBE TESTS - FOR C30/37.
CONCRETE CUBES TO BE PREPARED FOR COMPRESSIVE STRENGTH TESTING. CONCRETE CUBE TESTING TO BE AT A RATE OF 1 SET OF 5 CUBES PER 30M³ OF CONCRETE.
EACH SET OF 5 FOLLOWS,
1 CUBE AT 7 DAYS
2 CUBES AT 28 DAYS
1 CUBE TO BE TESTED AT 56 DAYS IF THE 28 DAY STRENGTH IS NOT REACHED.
1 SPARE CUBE.



Top of Foundation Levels					
Turbine No.	Turbine Foundation Type	Existing Ground Level at Turbine Location	Hardstand Finished Level (m) Construction	Top of Foundation (Flood Level)+0.15	Hardstand Finished Level (m) Operations
T4	Piled	56.670	56.900	57.810	57.260
T5	Piled	57.185	57.260	57.810	57.260
T6	Piled	56.730	56.800	57.810	57.260
T7	Piled	56.400	56.600	57.810	57.260
T8	Piled	57.440	57.600	57.810	57.600

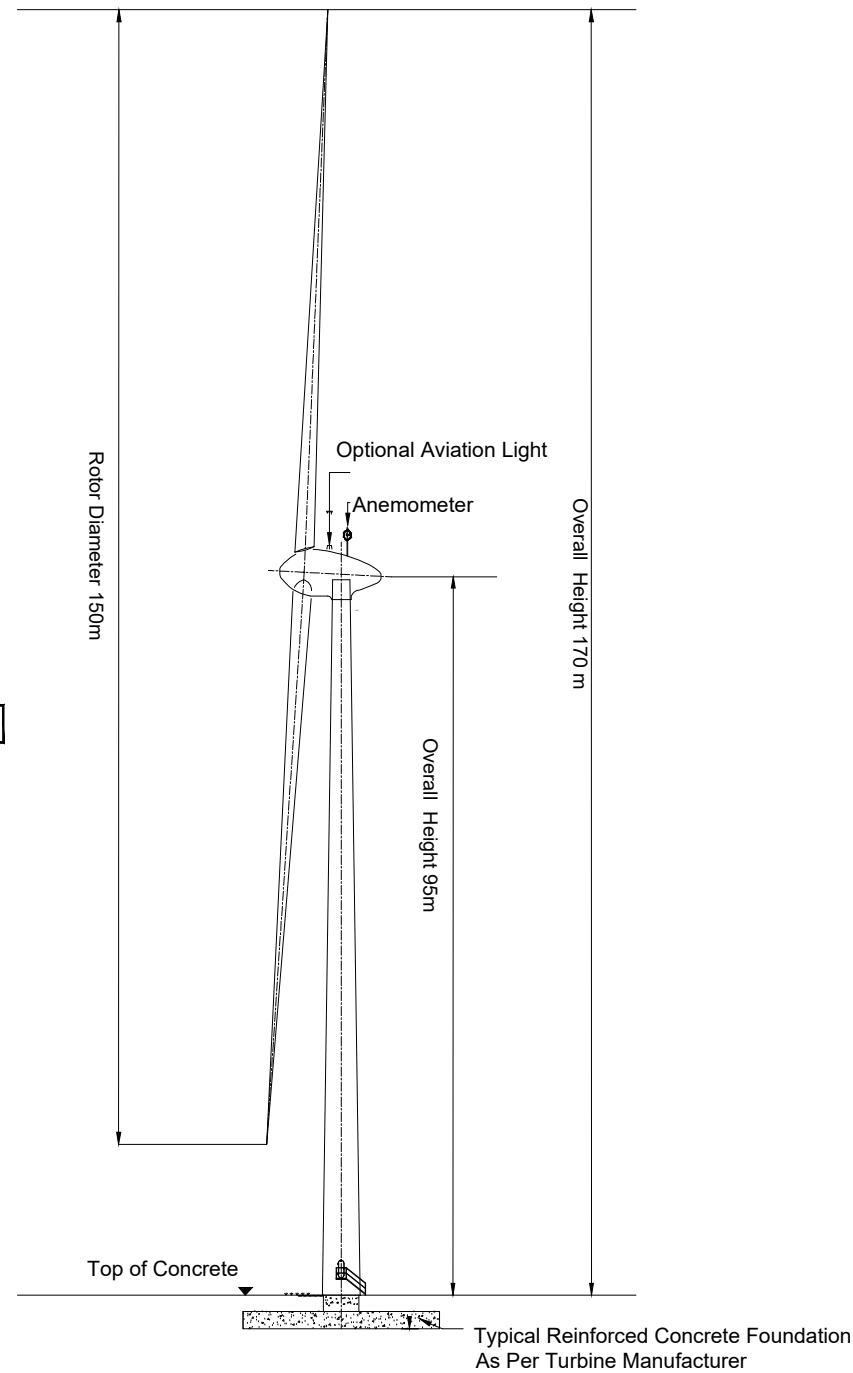


Orientation Varies Refer
to Layout Plan



FRONT ELEVATION
Scale 1:1000

Overall Height = 170 m



SIDE ELEVATION
Scale 1:1000

NOTES:

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REV.	DATE	MODIFICATIONS	D	C	A

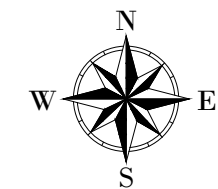
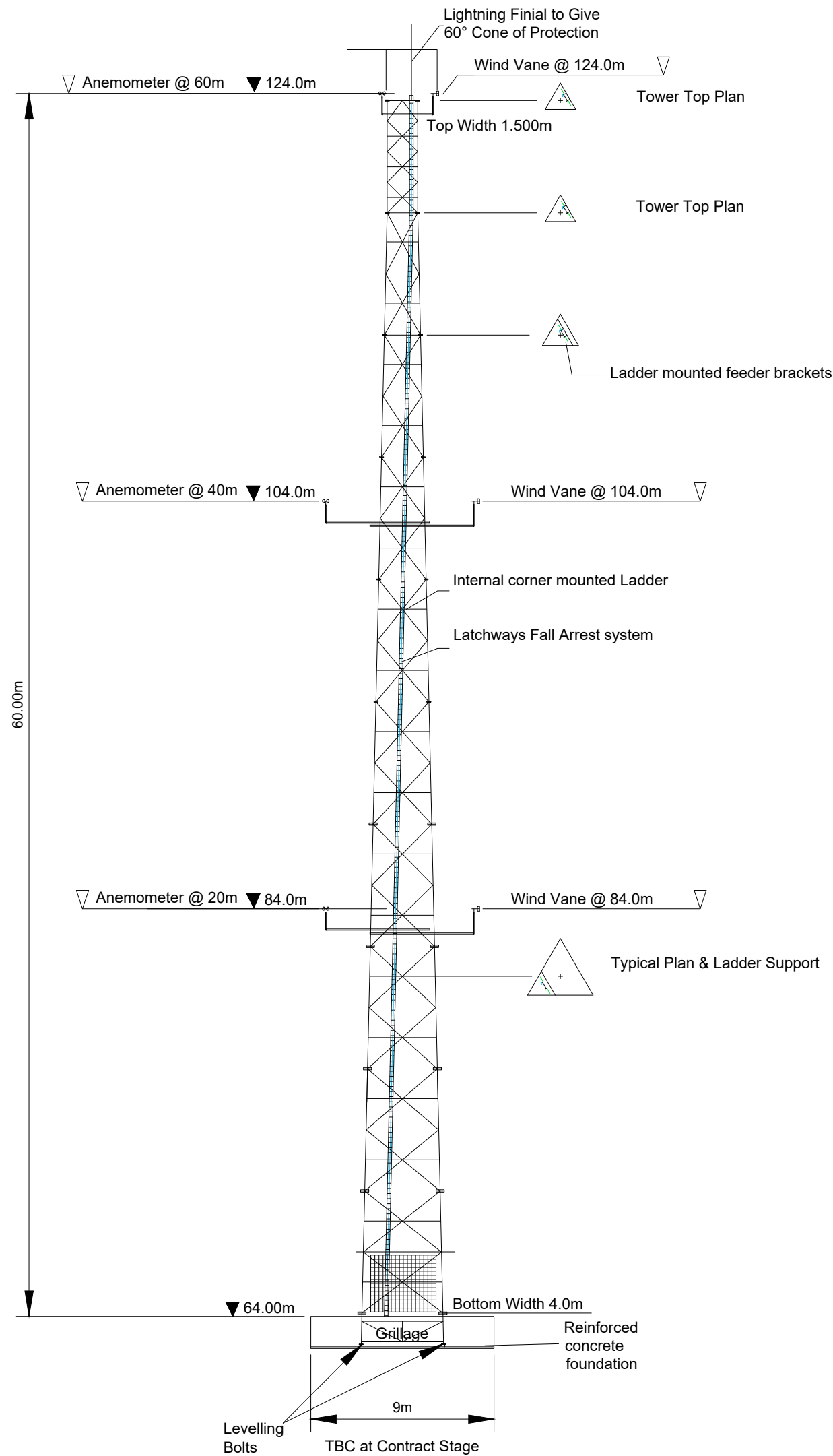
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Project Garrane Green Energy project, Garrane, Co. Limerick.					
Stage Planning					
Title Proposed Wind Turbine Elevations					
Scales 1:1000 (A3)					
Surveyed .	Prepared A.G	Checked J.D	Approved A.O.G	Date Aug 2025	



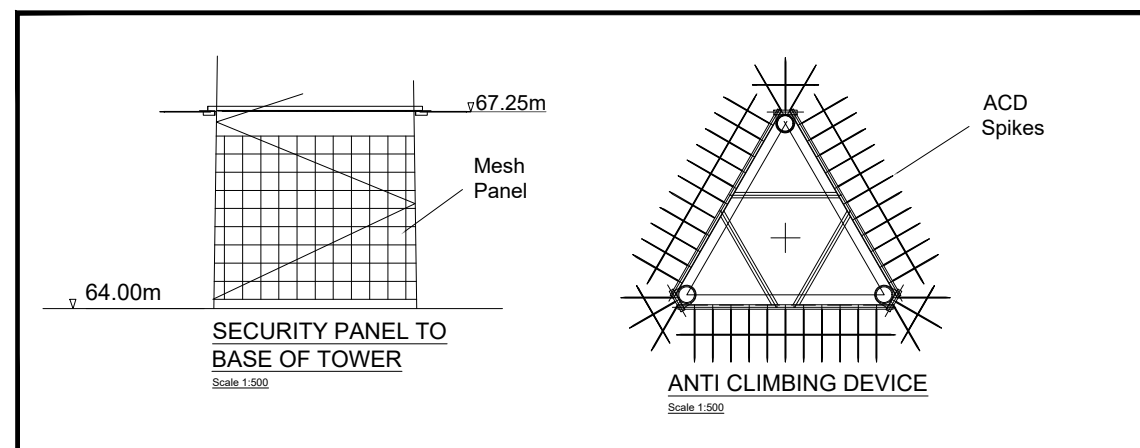
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Orientation Varies Refer to Layout Plan



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rev.	date	modifications		D	C

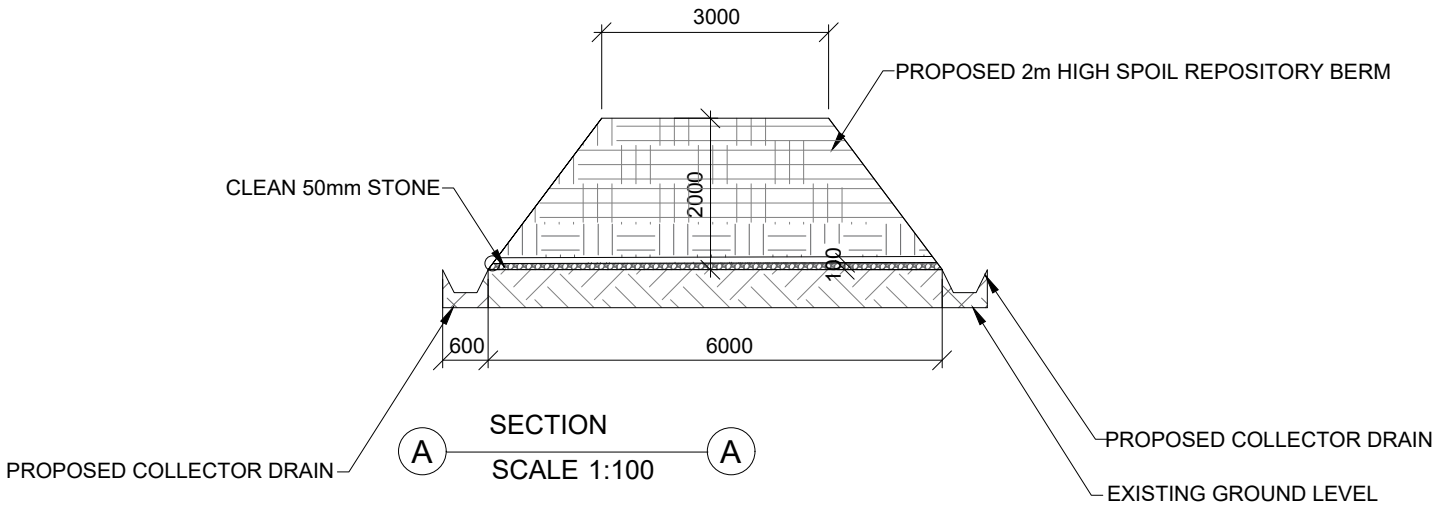
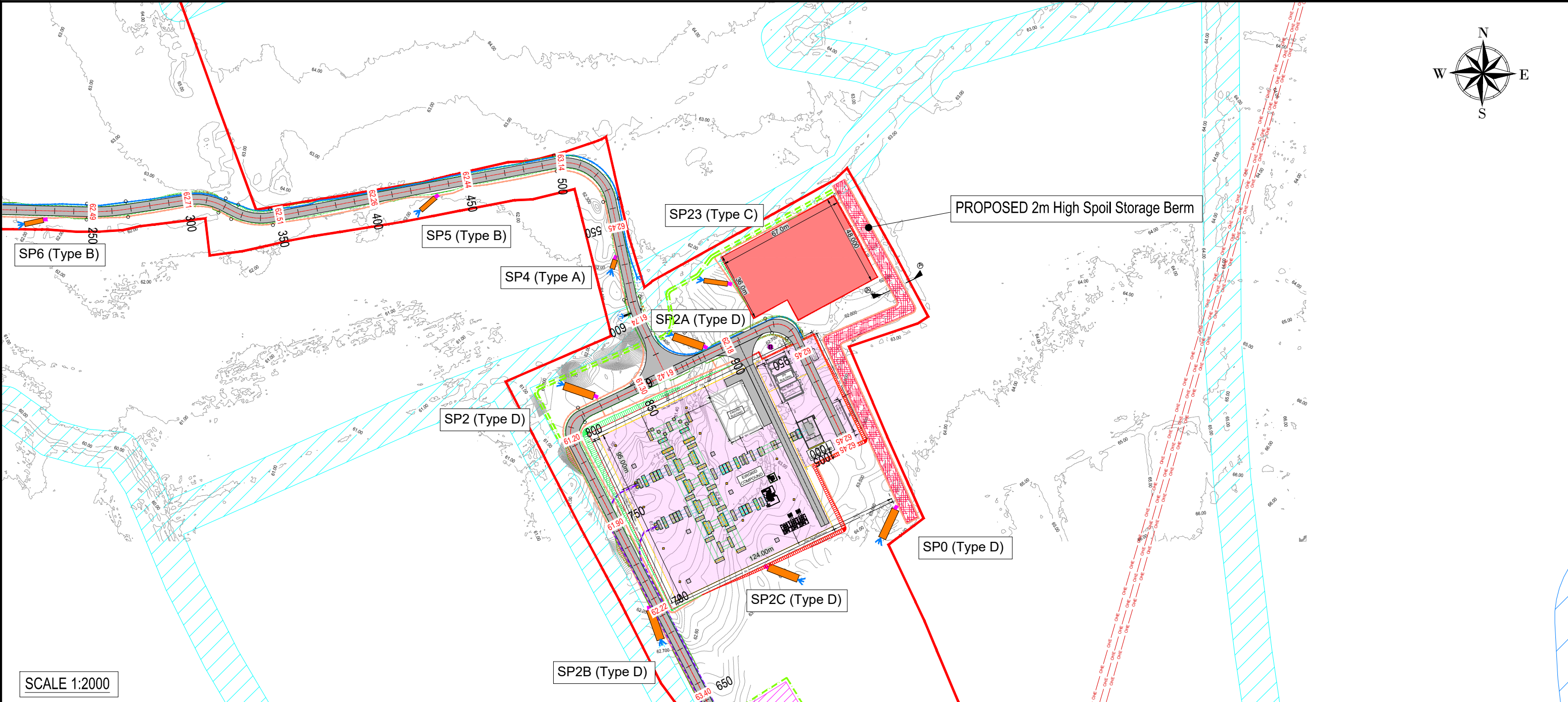
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Project				
Garrane Green Energy Project, Garrane, Co.Limerick				
Stage				
Planning				
Title				
Proposed Met Mast Details				
Scales				
1:250 (A3)				
Surveyed	Prepared	Checked	Approved	Date
-	A.G	J.D	A.O.G	Aug 2025

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Job Ref.	Drawing No.	Revision
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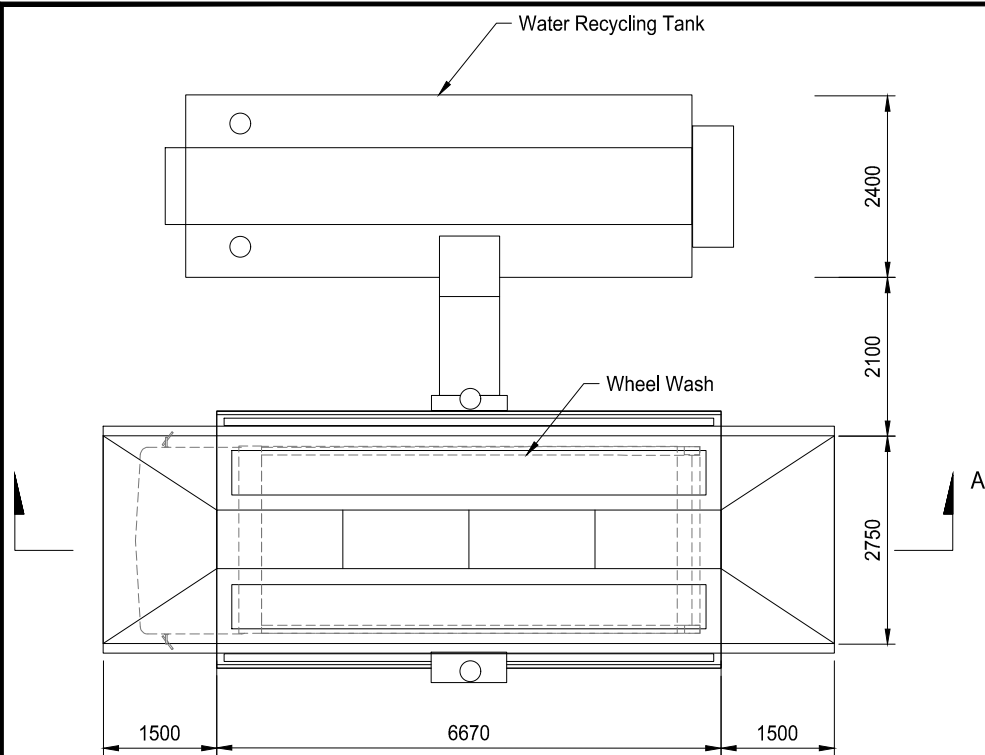
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Rev.	Date	Amendments	D	C	A

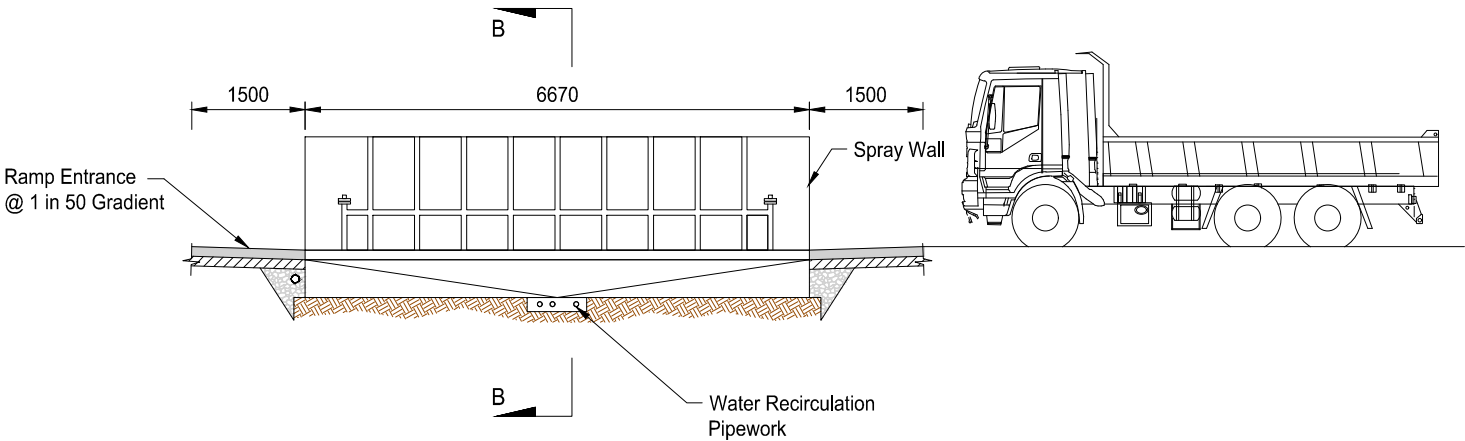
Project
Garrane Green Energy Project,
Garrane, Co.Limerick.
Client
Garrane Green Energy Ltd.


Title
Proposed Spoil Storage Berm at Substation
Cross Section Detail .
Issue Details
Surveyed: - Information
Drawn: A.G Approval
Checked: J.D Tender
Approved: A.O.G Construction
Scale: As Shown (A3) Record

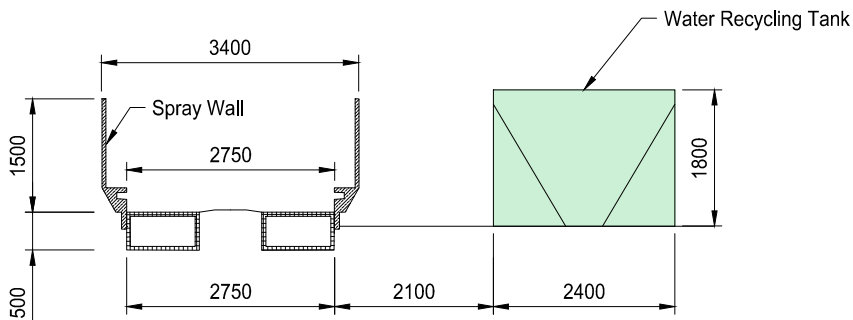
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6839
Date.
Aug 2025
Rev.
-



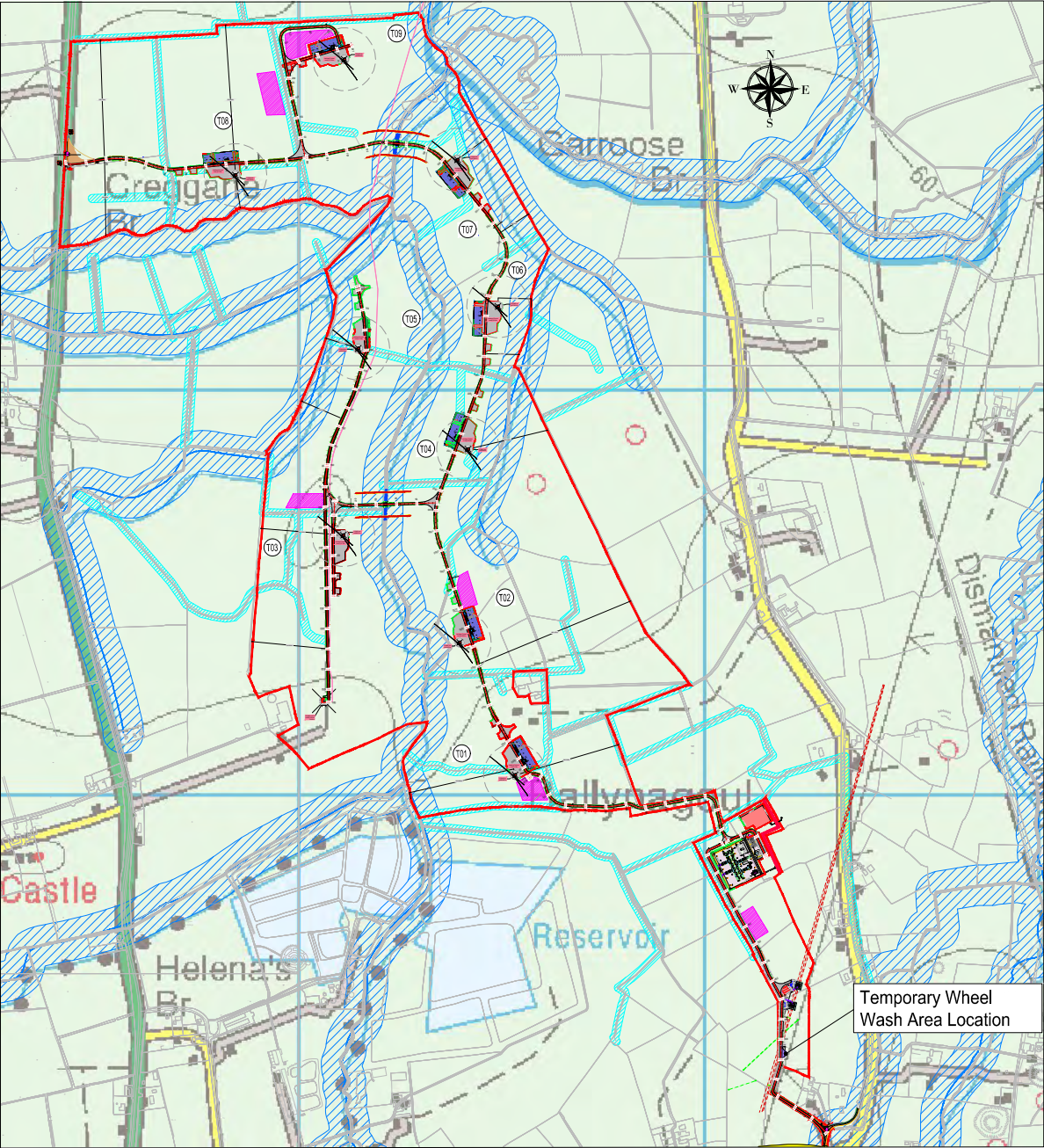
WHEELWASH PLAN



SECTION A - A



SECTION B - B



Site Layout Plan
Scale:N.T.S(A3)

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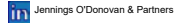
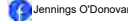
rev.	date	modifications	D	C	A

Client Garrane Green Energy Ltd. 				
Project Garrane Green Energy Project, Garrane, Co.Limerick				
Stage Planning				
Title Temporary Wheel Wash System				
Scales 1:100 (A3)				
Surveyed -	Prepared A.G	Checked J.D	Approved A.O.G	Date Aug 2025

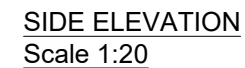
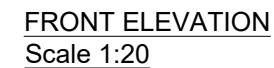
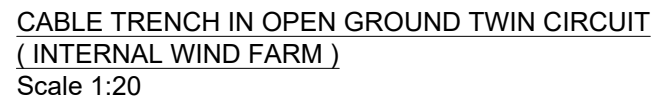
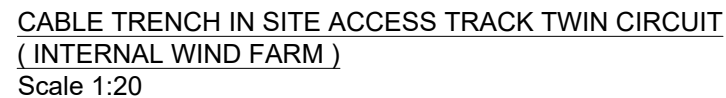
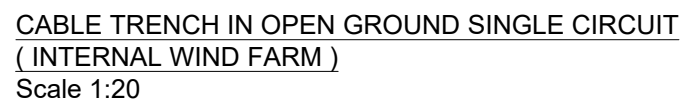
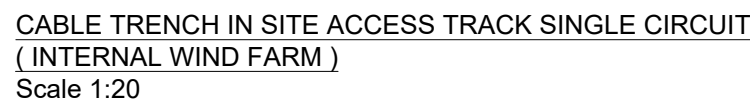


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Job Ref.	Drawing No.	Revision
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Surveyed	Prepared	Checked	Approved	Date
.	A.G	J.D	A.O.G	Aug 2025



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  Jennings O'Donovan

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