

Proposed Clonberne Wind Farm Development, Co. Galway Planning Permission Application Drawings



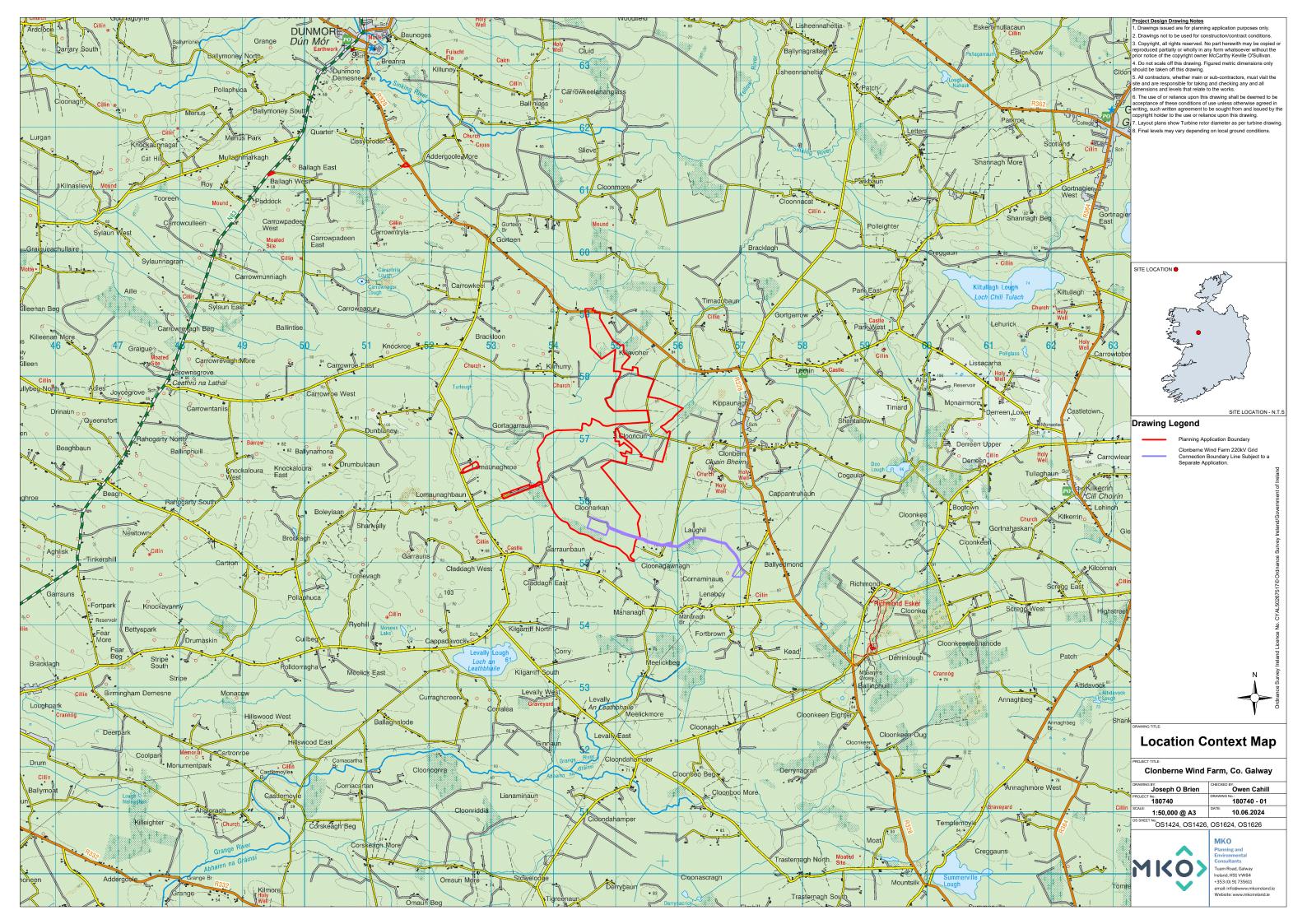


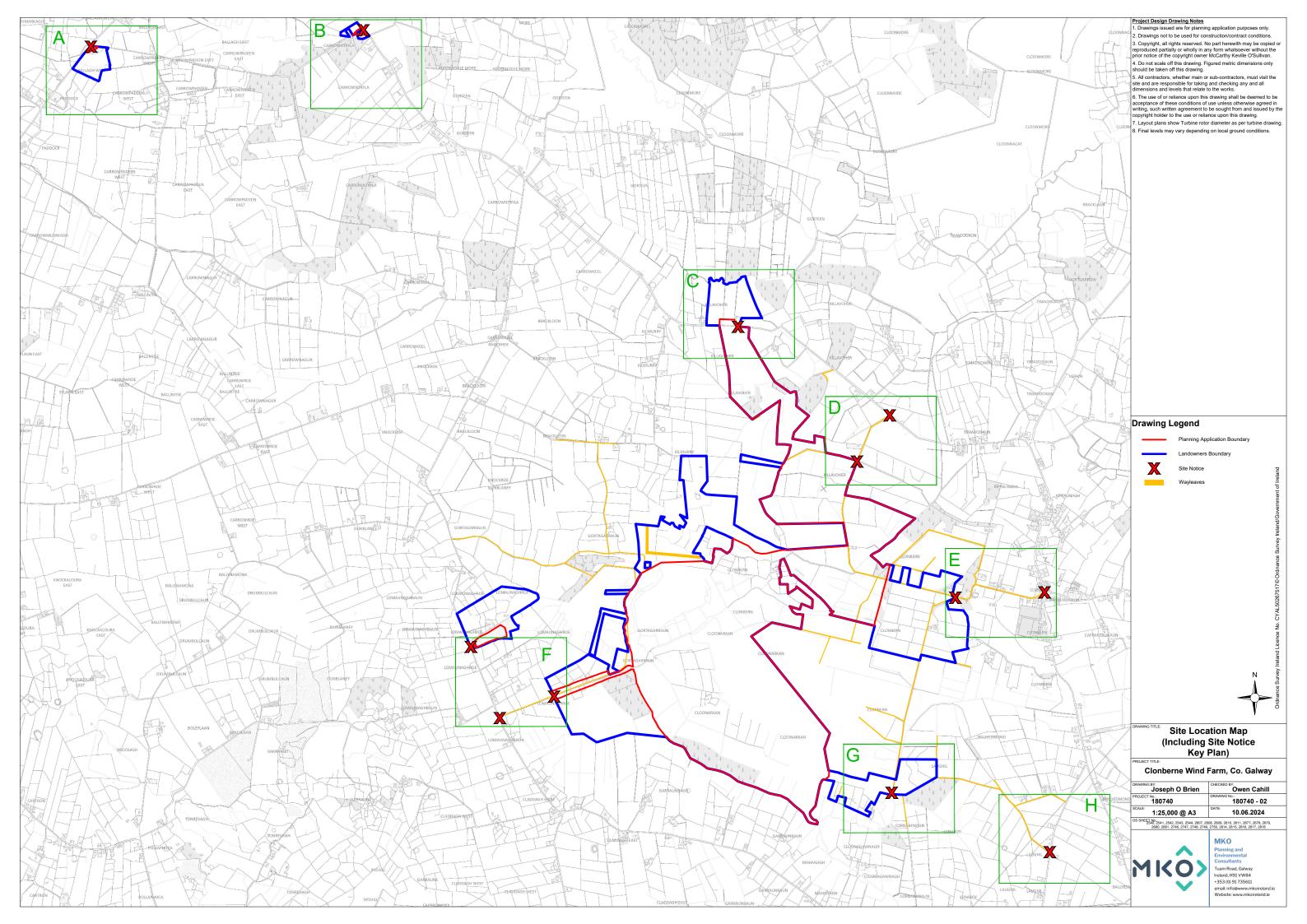
Schedule of Drawings

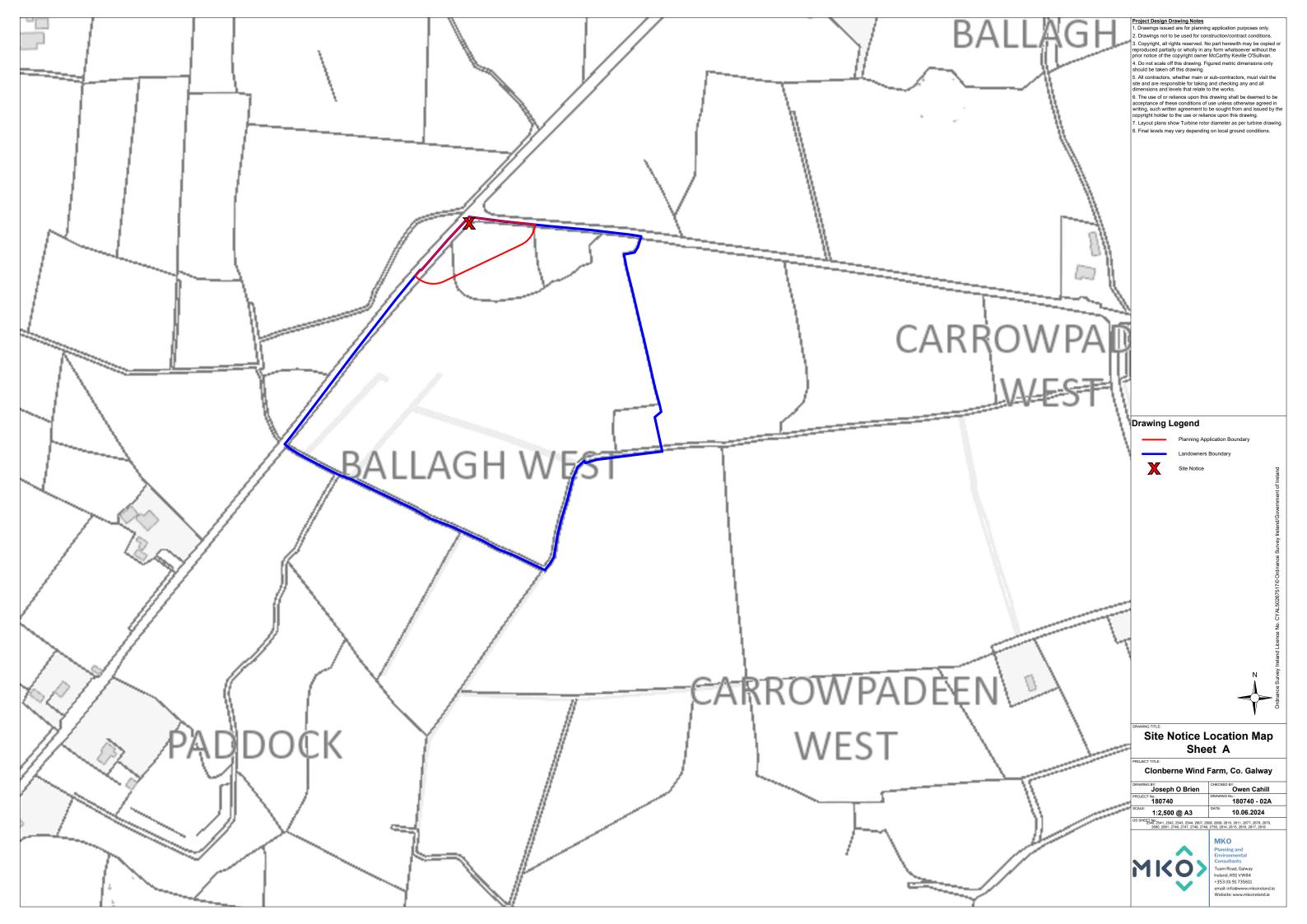
Drawing No.	Drawing Title	Scale	Page Size
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180740 - 02B	Site Notice Location Map B	1:2,500	A3
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180740 - 14	Site Layout Sheet 7 of 8	1: 2,500	A1
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180740 - 16 180740 - 17	Turbine 1 Layout Turbine 2 Layout	1:500 1:500	A3 A3
180740 - 17	Turbine 3 Layout	1:500	A3
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180740 - 20	Turbine 5 Layout	1:500	A3
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180740 - 24	Turbine 9 Layout	1:500	A 3
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180740 - 29	Bored Pile Foundation Detail	As shown	A 3
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180740 - 32	Temporary Construction Compound 2	1:500	A3
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180740 - 35	Field Gate Detail	1:20	A3
180740 - 36 180740 - 37	Site Office & Staff Facilities Detail Wheel Wash Detail	1:50 1:50	A3 A3
180740 - 38	Clear Span Watercourse Crossing	1:50	A3
180740 - 38	Proposed Junction Arrangement A	1:1,000	A3
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0010 20021-GDG-ZZ-XX-DR-C-	Access Road Standard Details	NTS	A1
0100 20021-GDG-ZZ-XX-DR-C-	Cable Trench Standard Details	NTS	A1
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2000			
Hydro Environmental Services Ltd.			
P1508-0_D101	Proposed Drainage Layout	1:2,000	A1
P1508-0_D102	Proposed Drainage Layout	1:2,000	A1
P1508-0_D103	Proposed Drainage Layout	1:2,000	A1
P1508-0_D104	Proposed Drainage Layout	1:2,000	A1

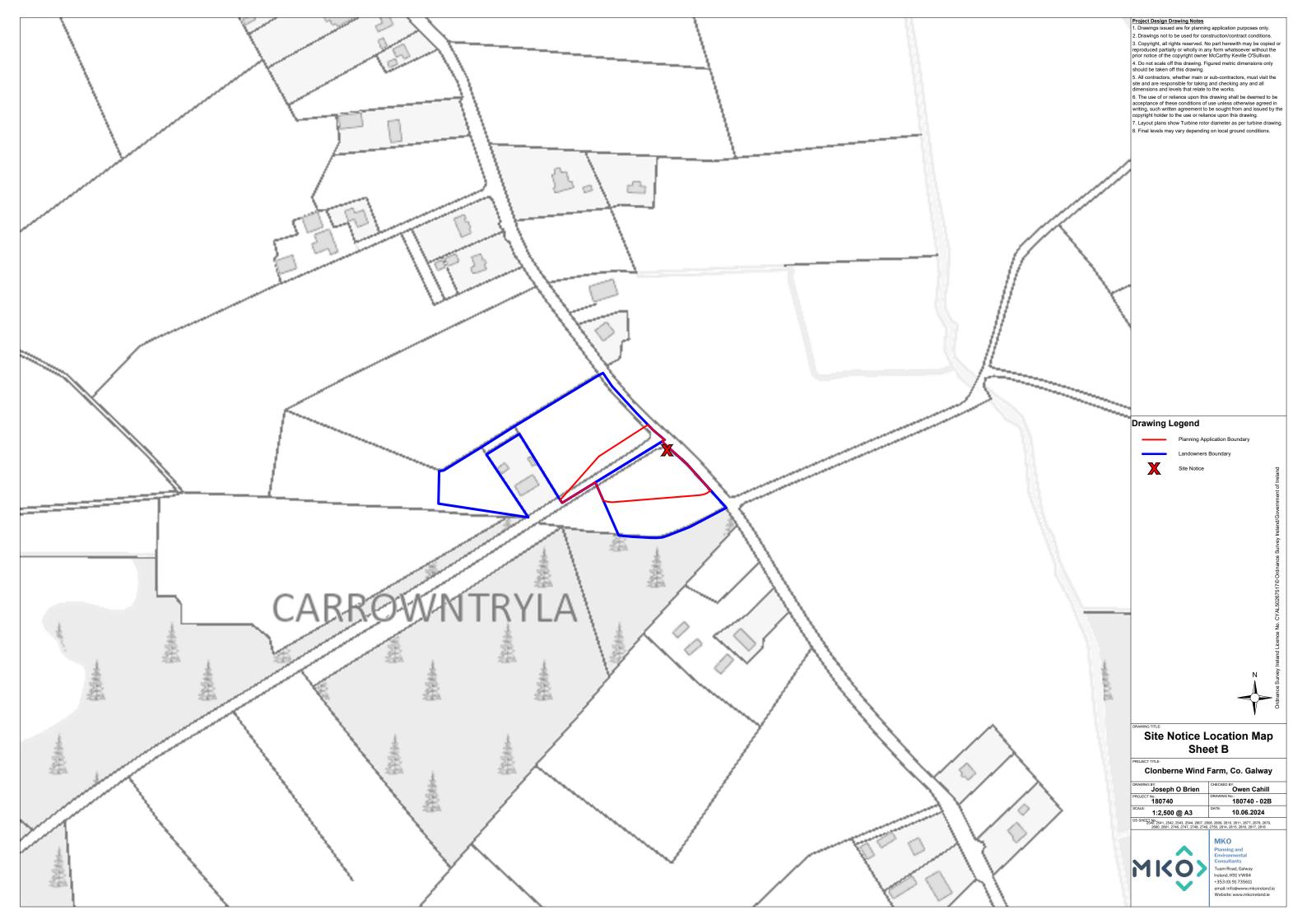


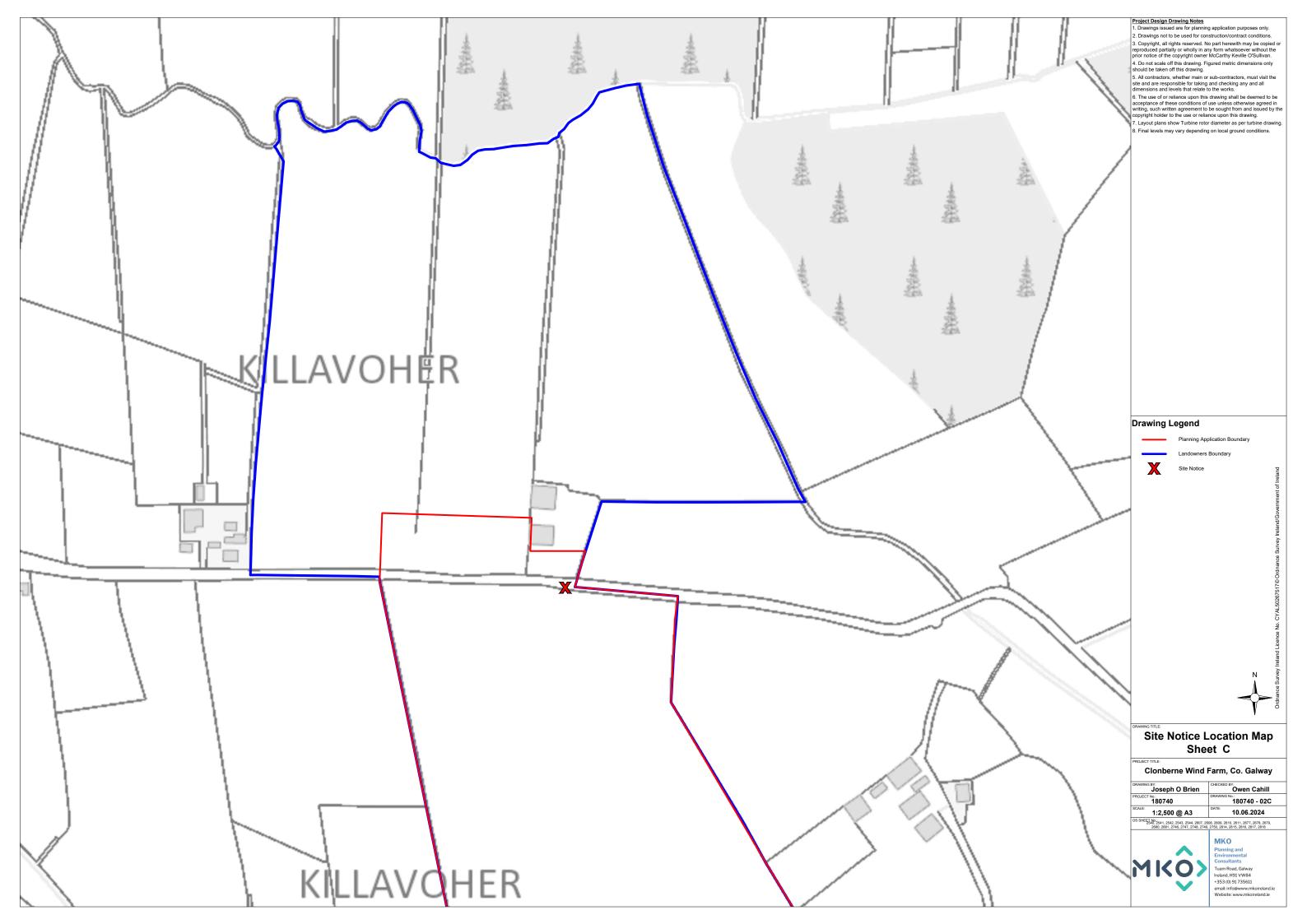
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P1508-0_D501	Proposed Drainage Details	As Shown	A1
P1508-0_D502	Proposed Drainage Details	As Shown	A1





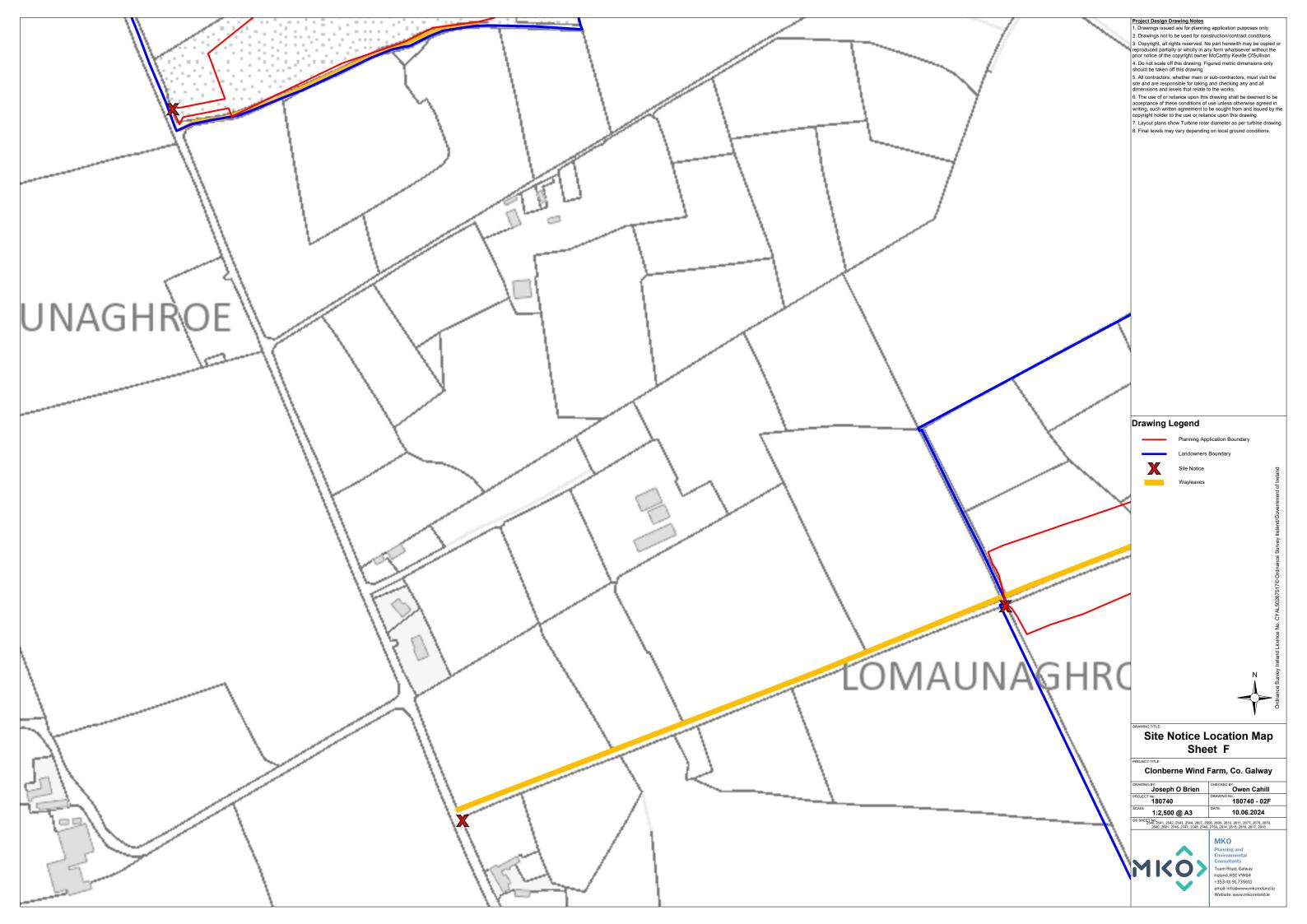


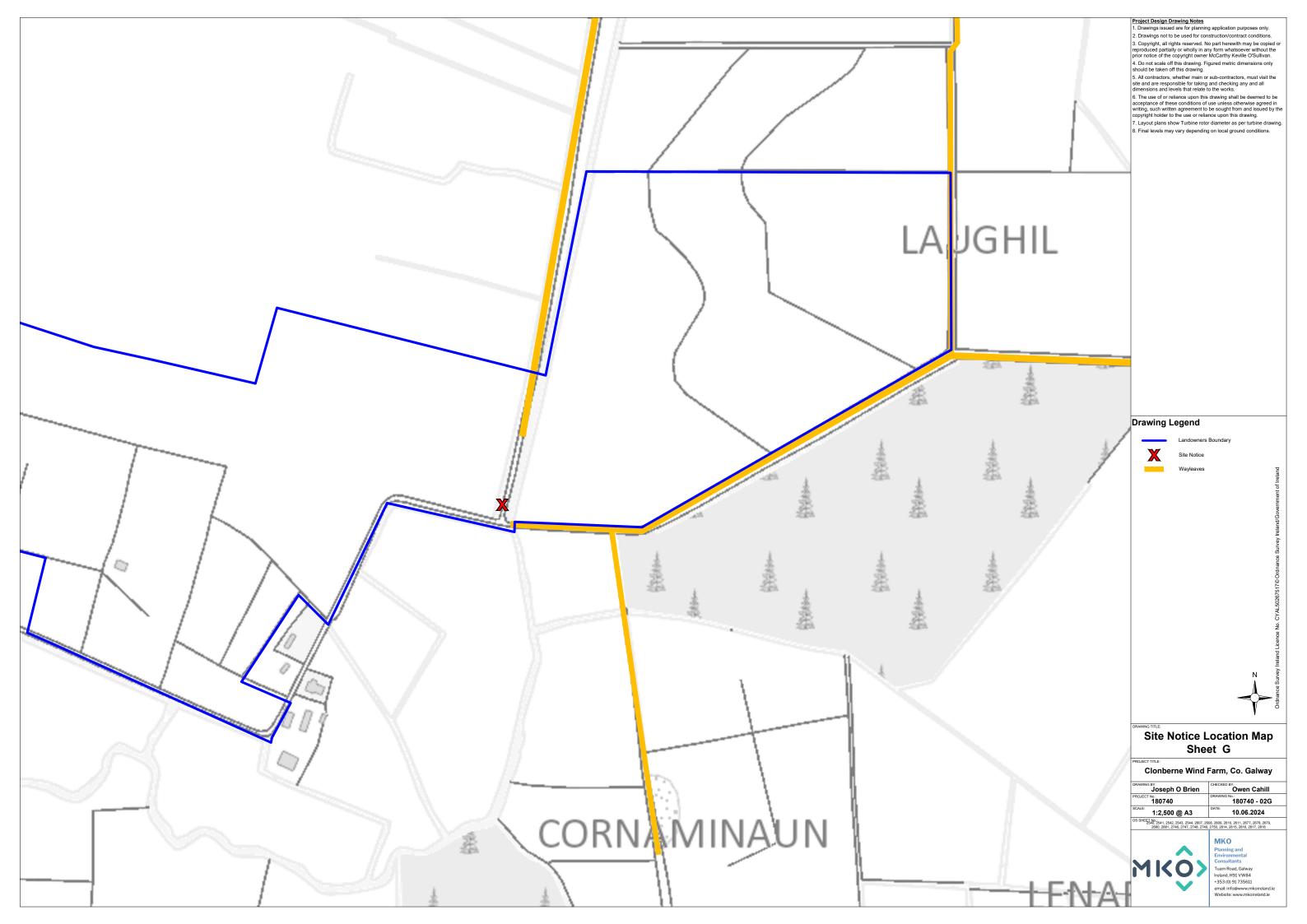


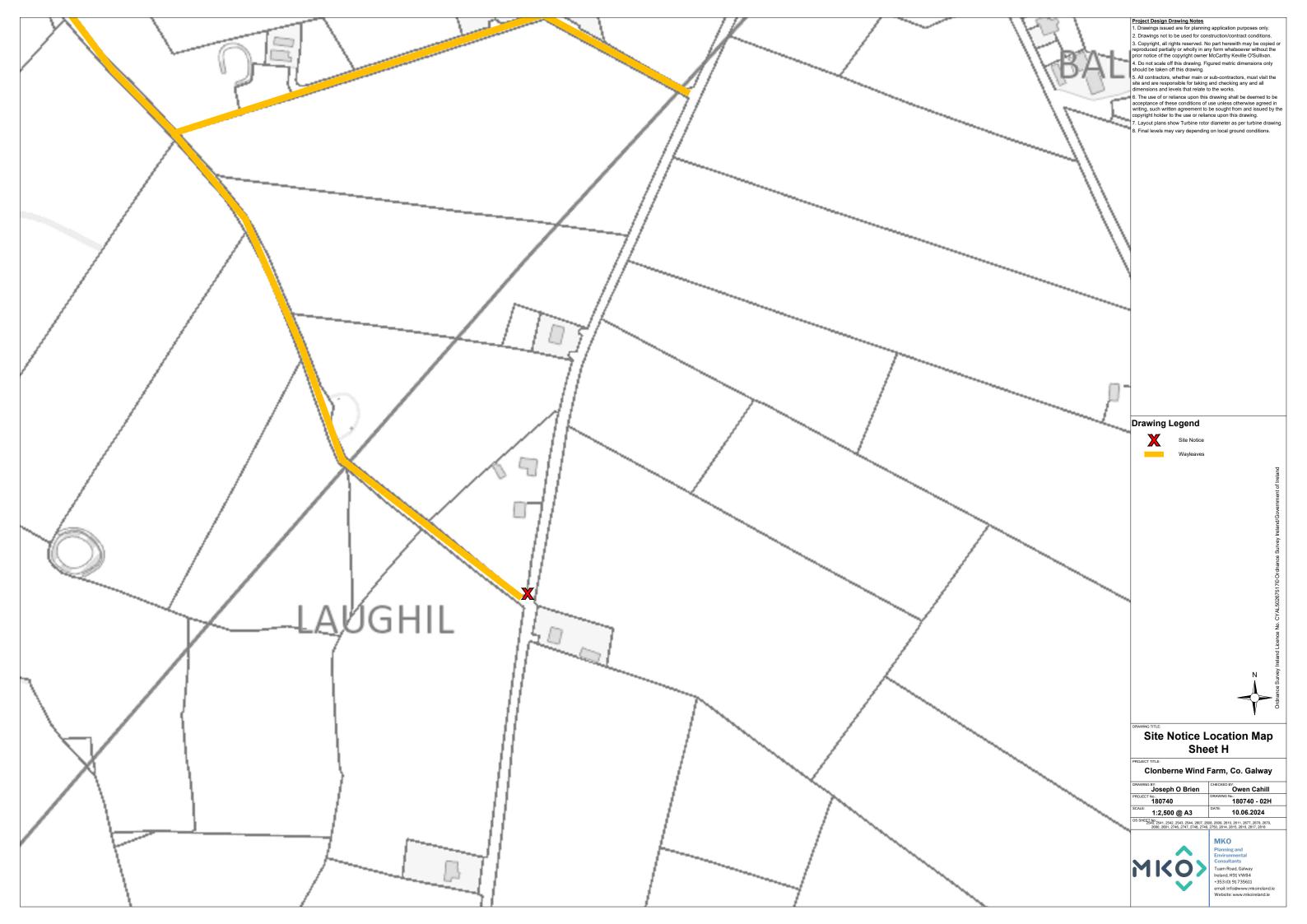


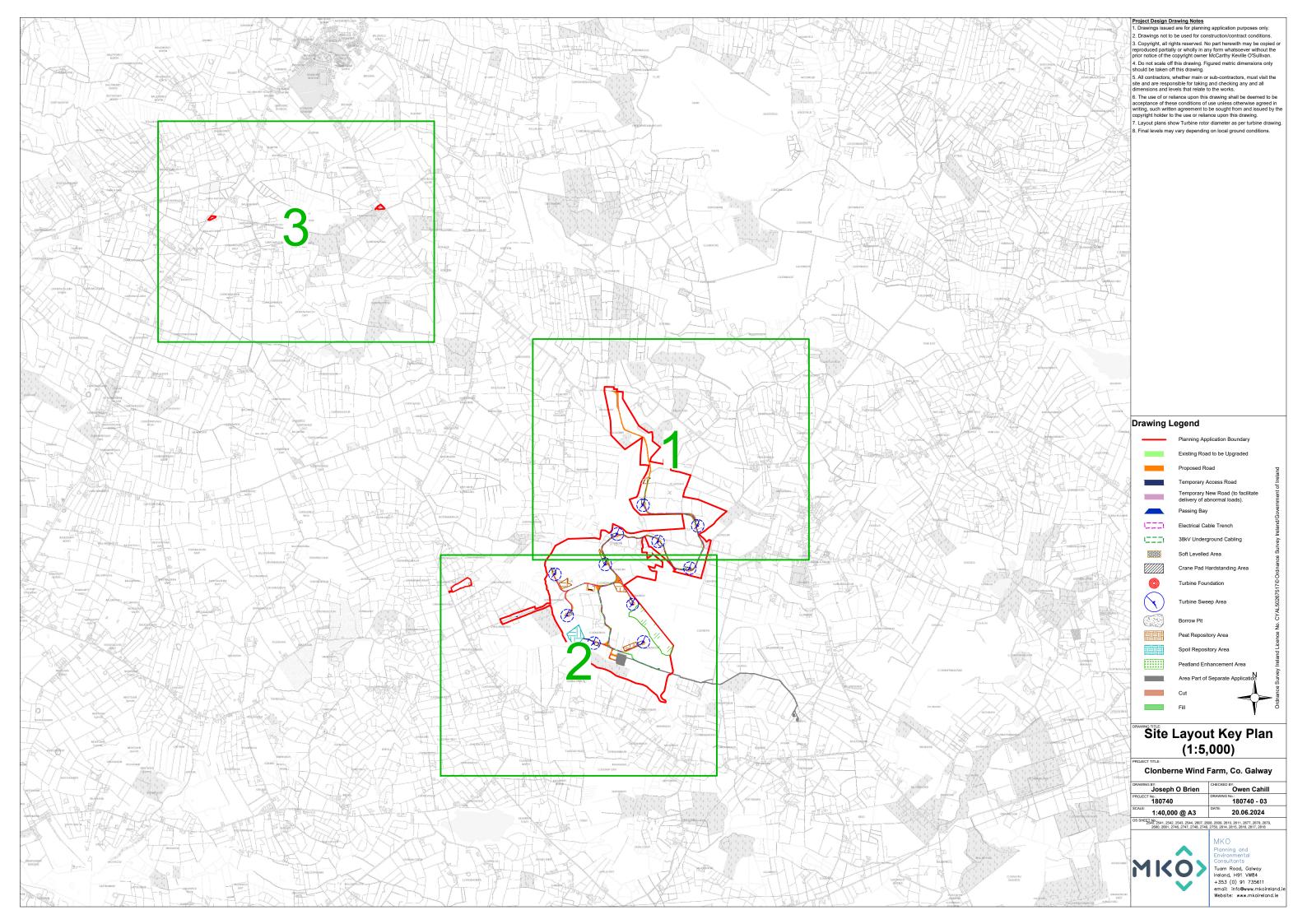




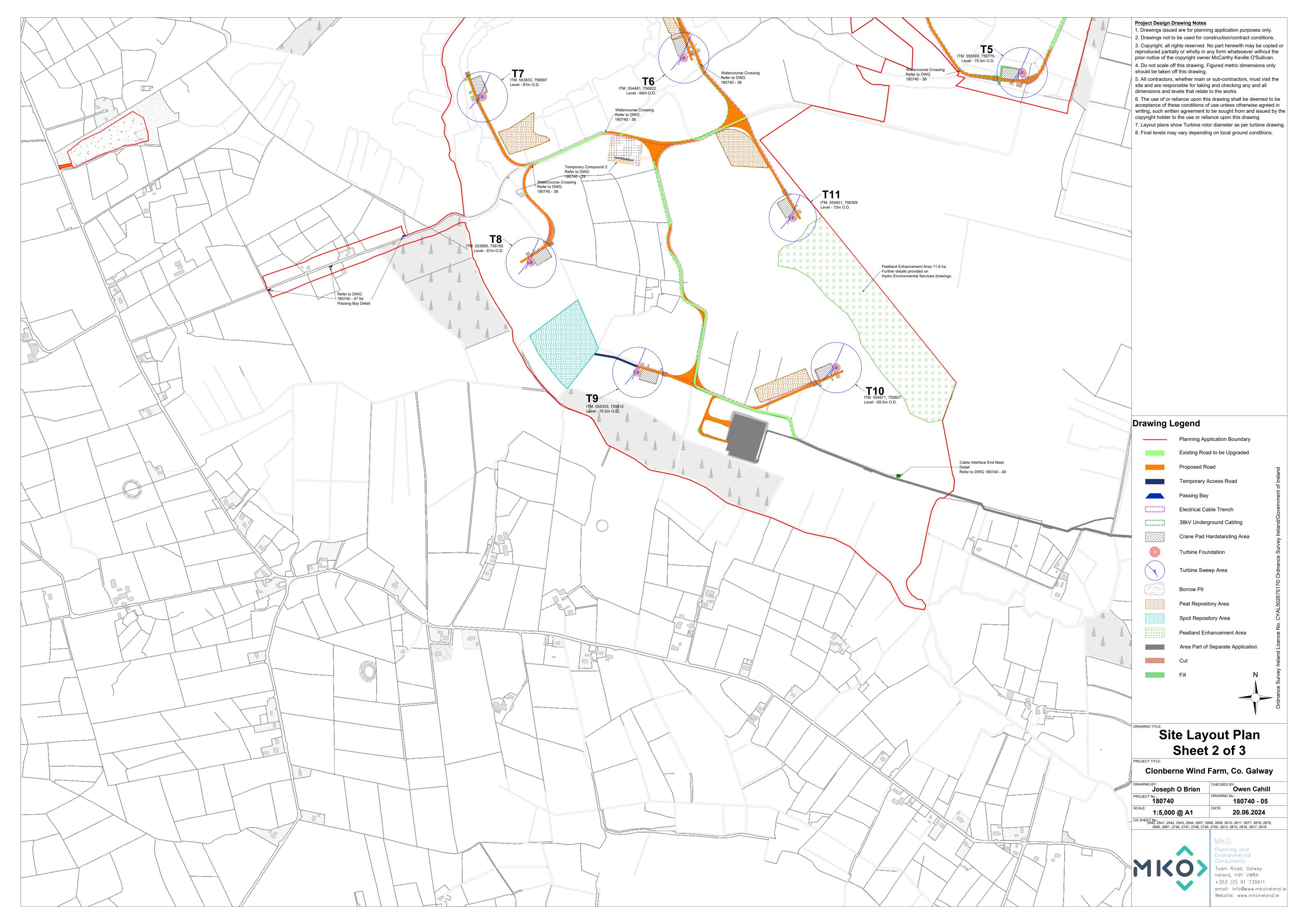




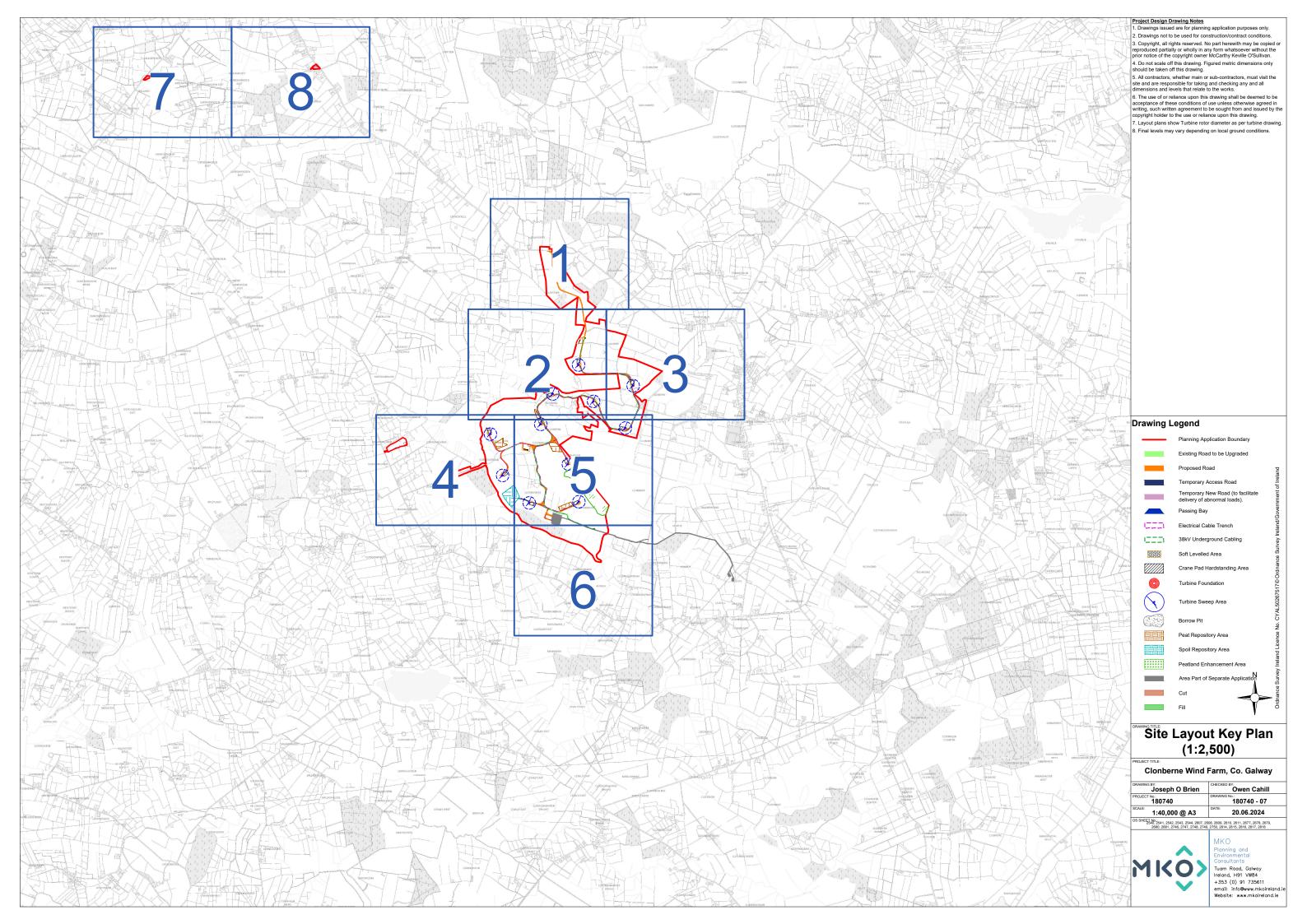




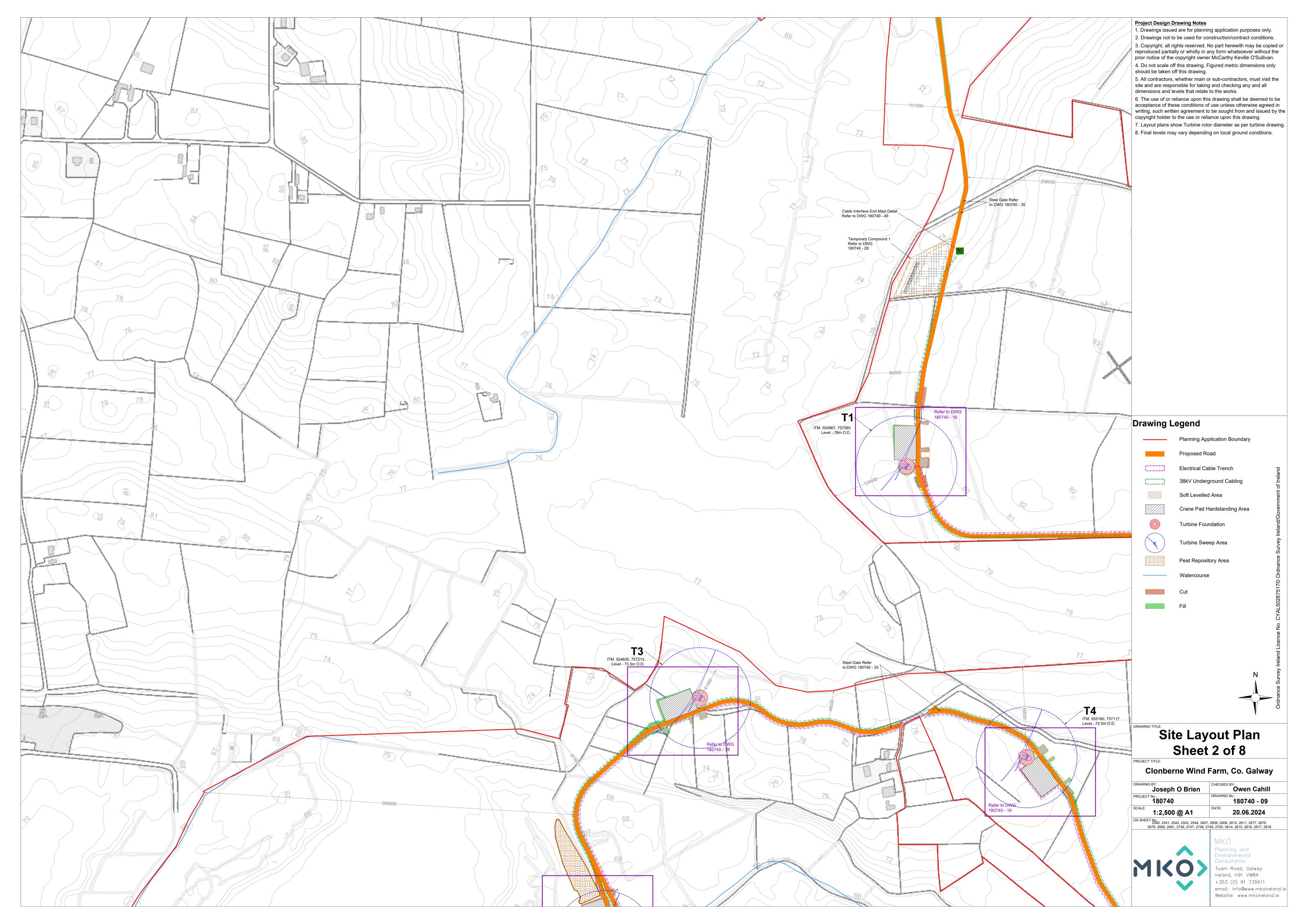


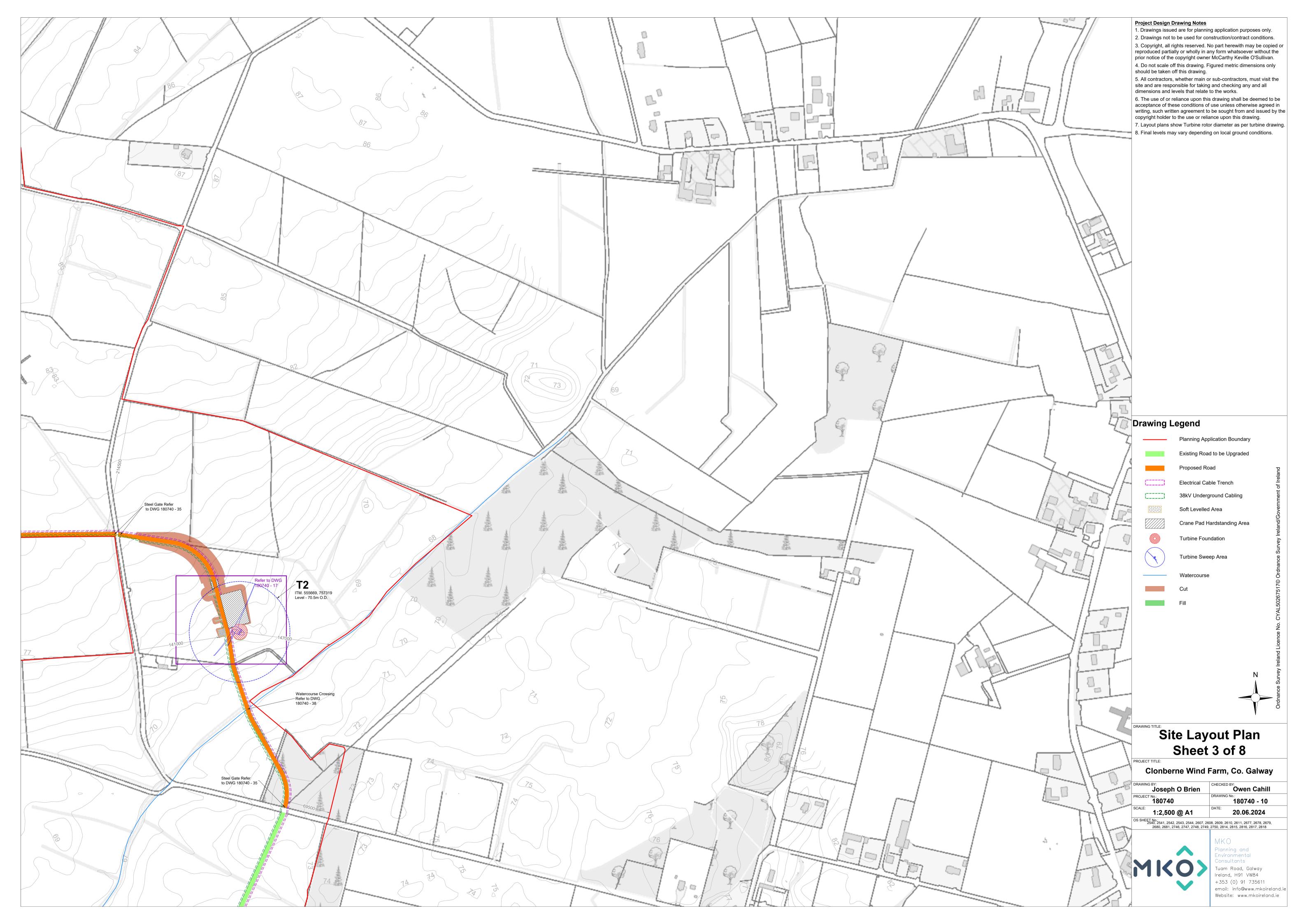


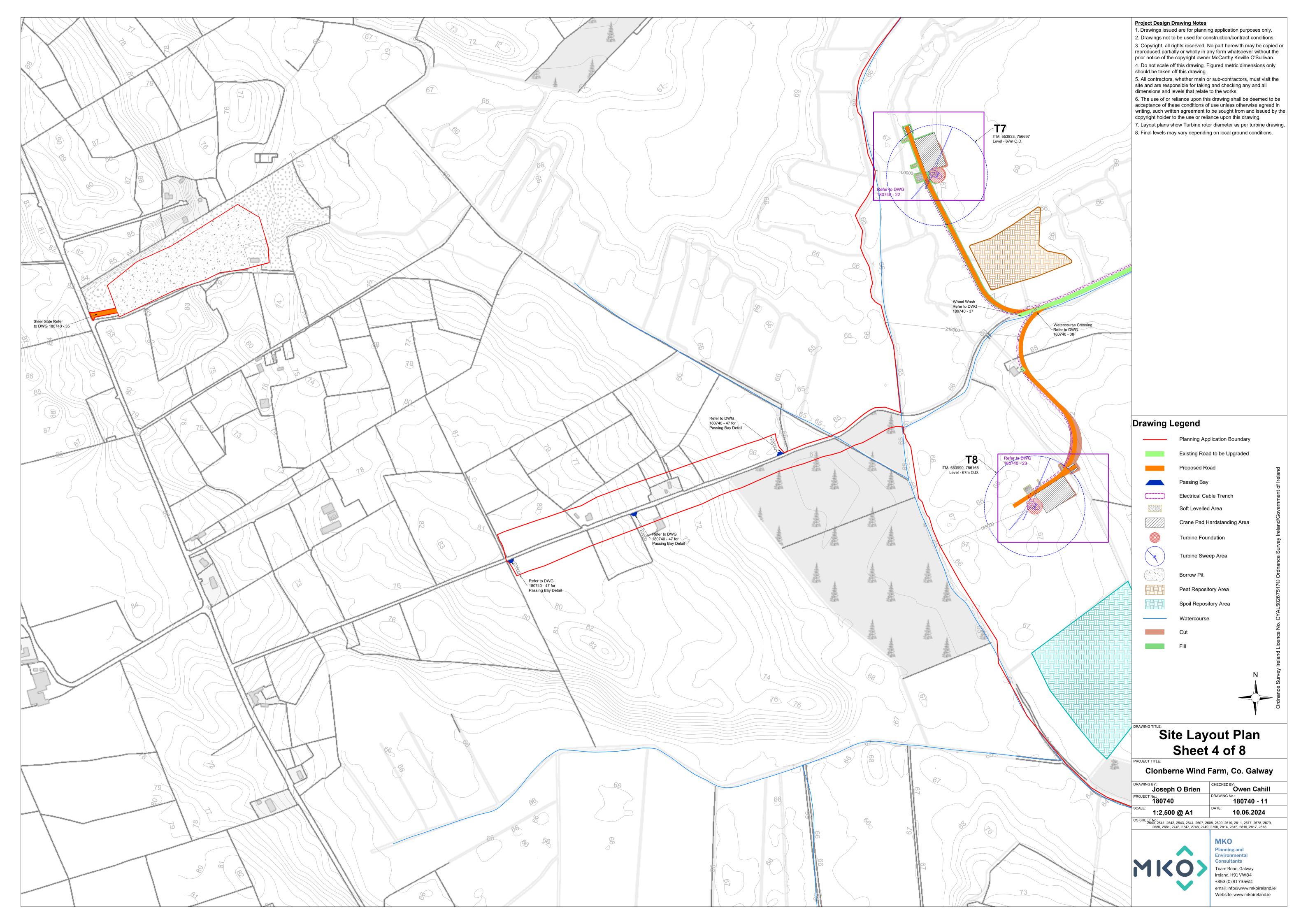


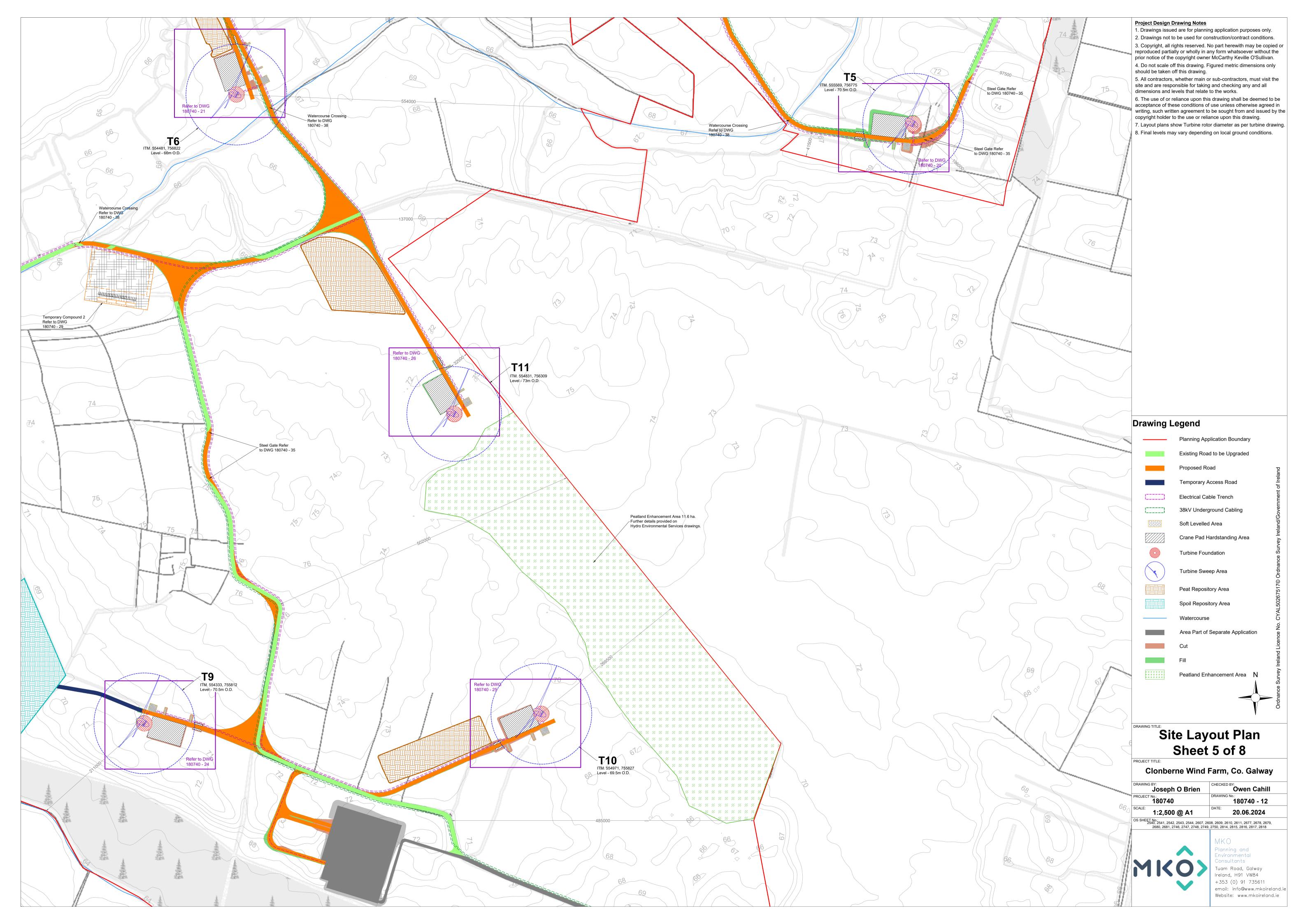


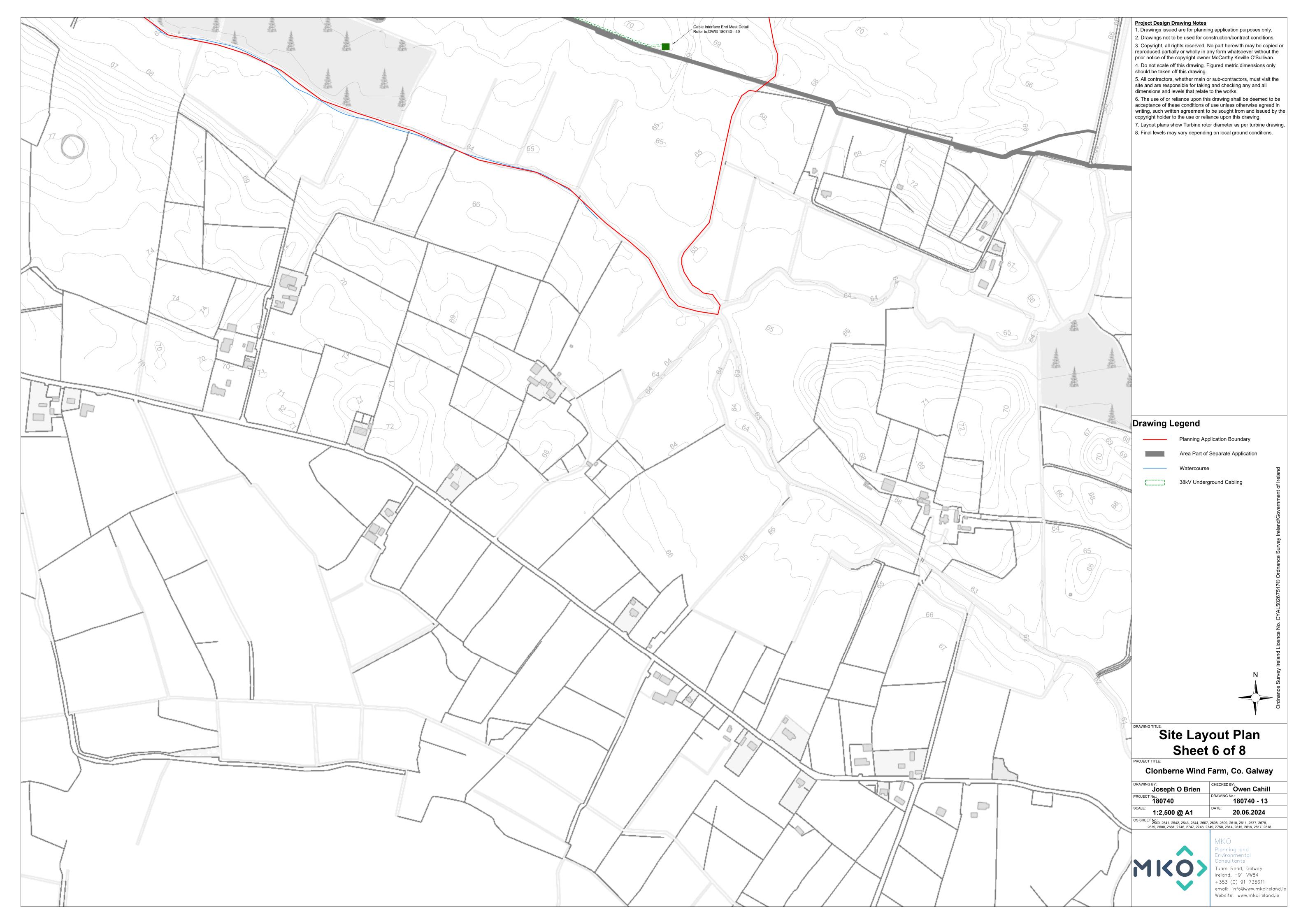




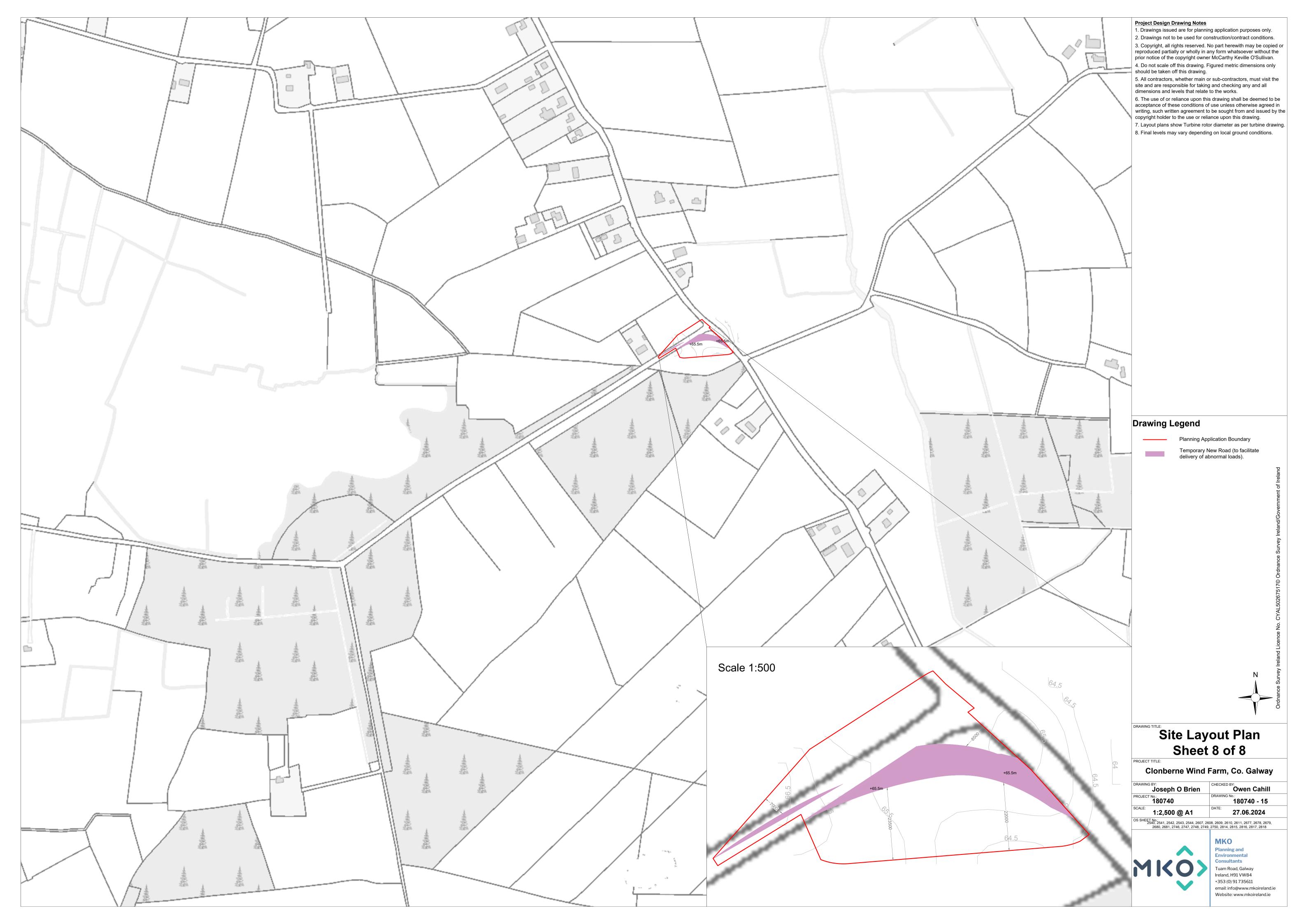


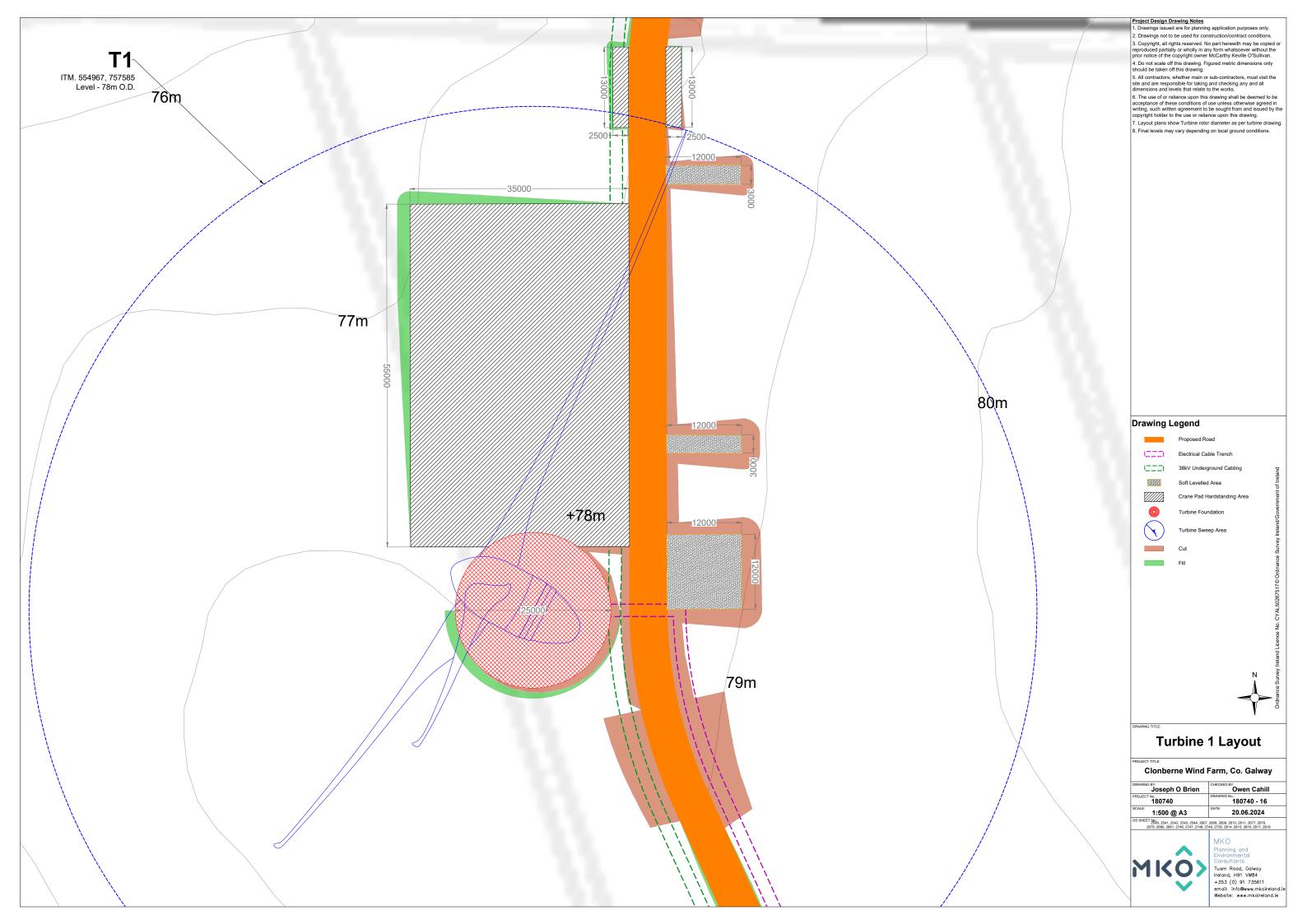


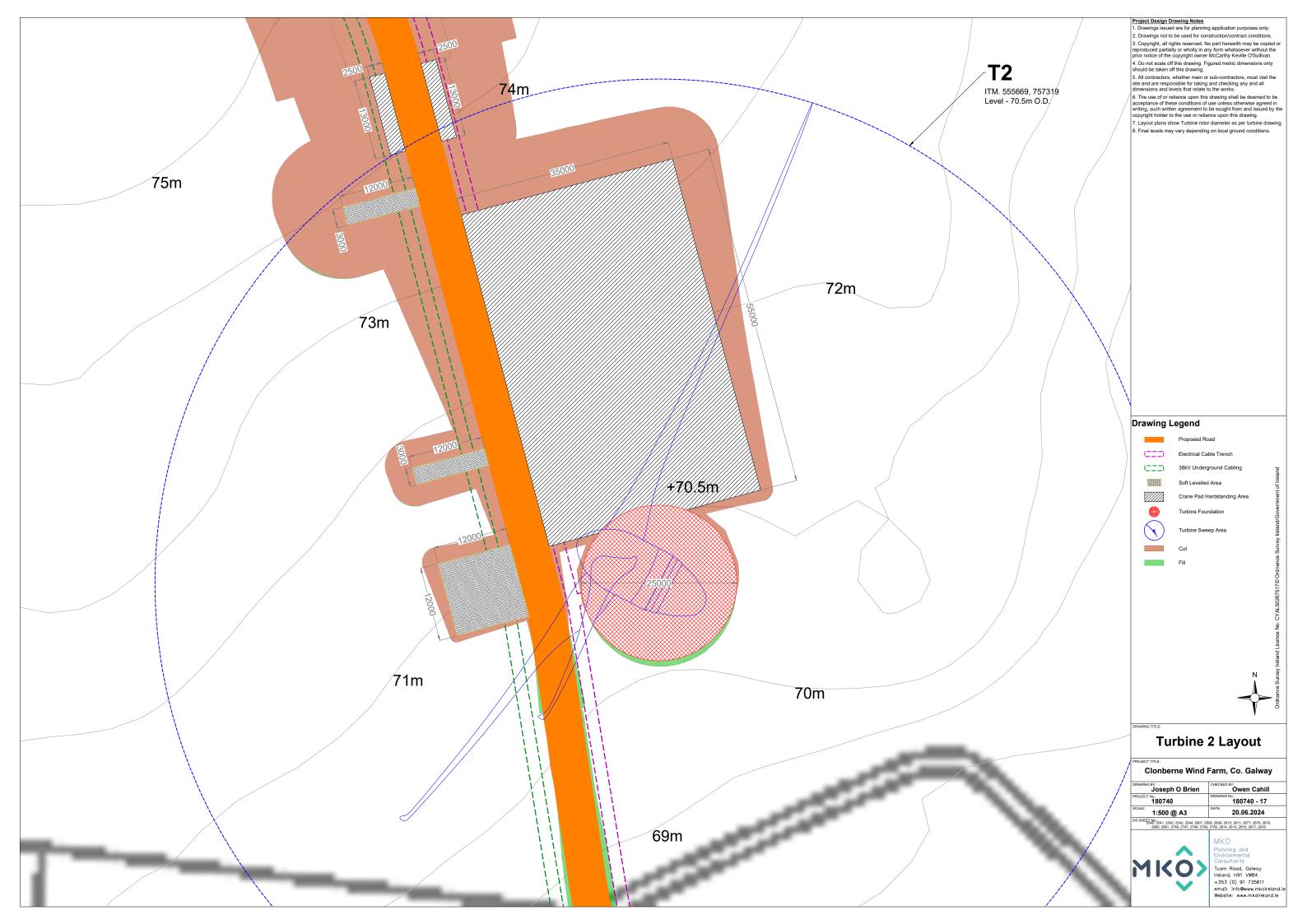








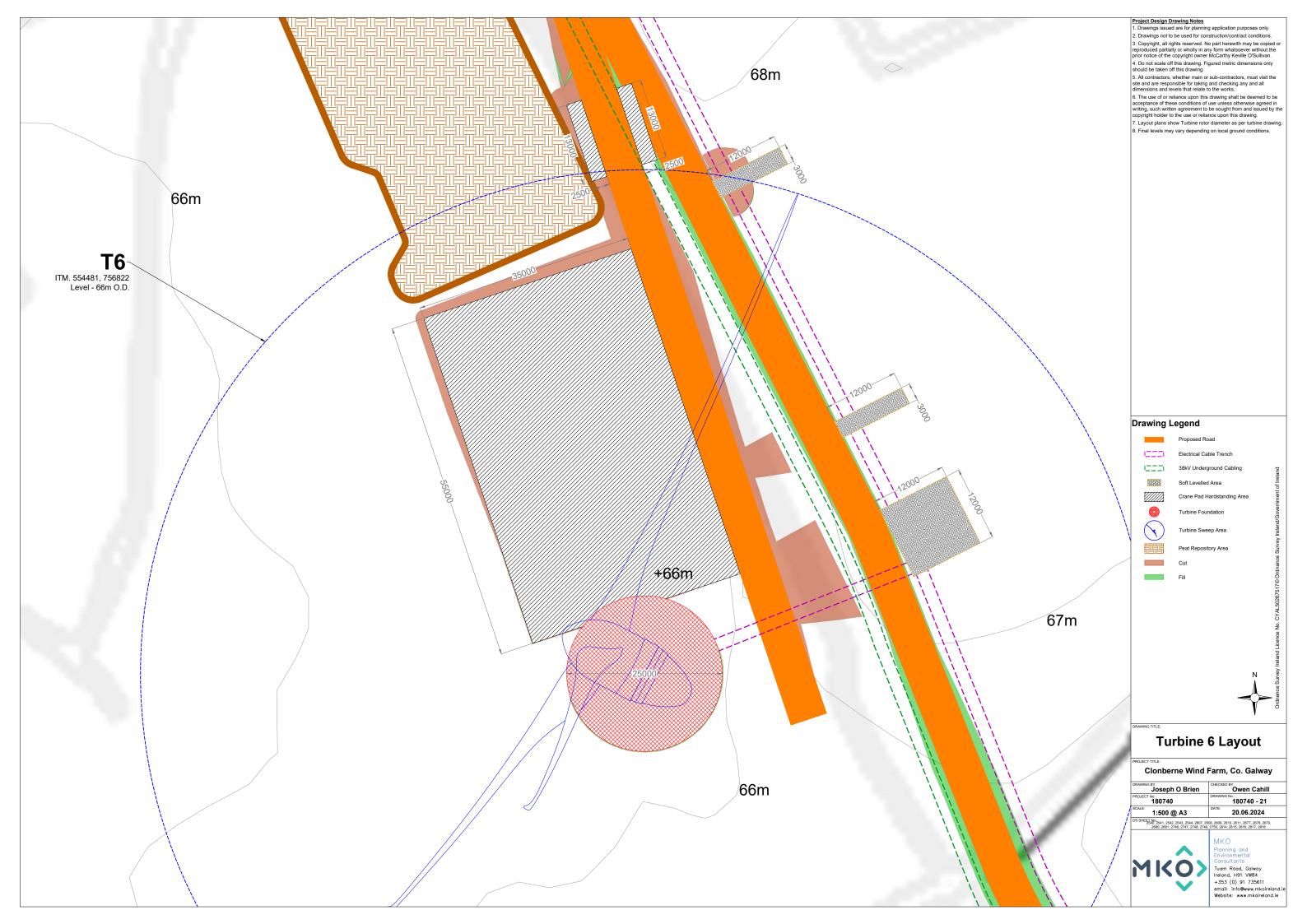


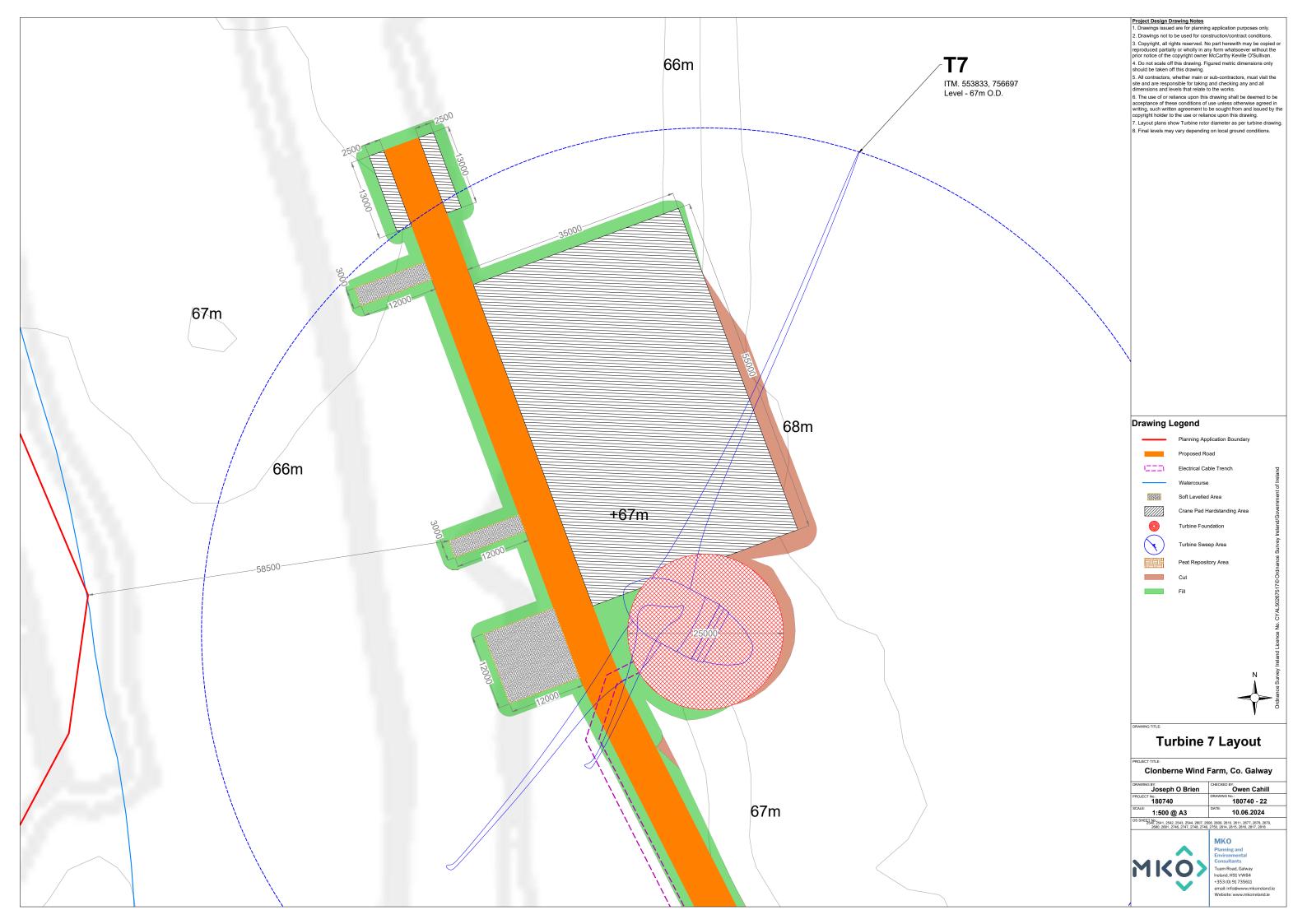


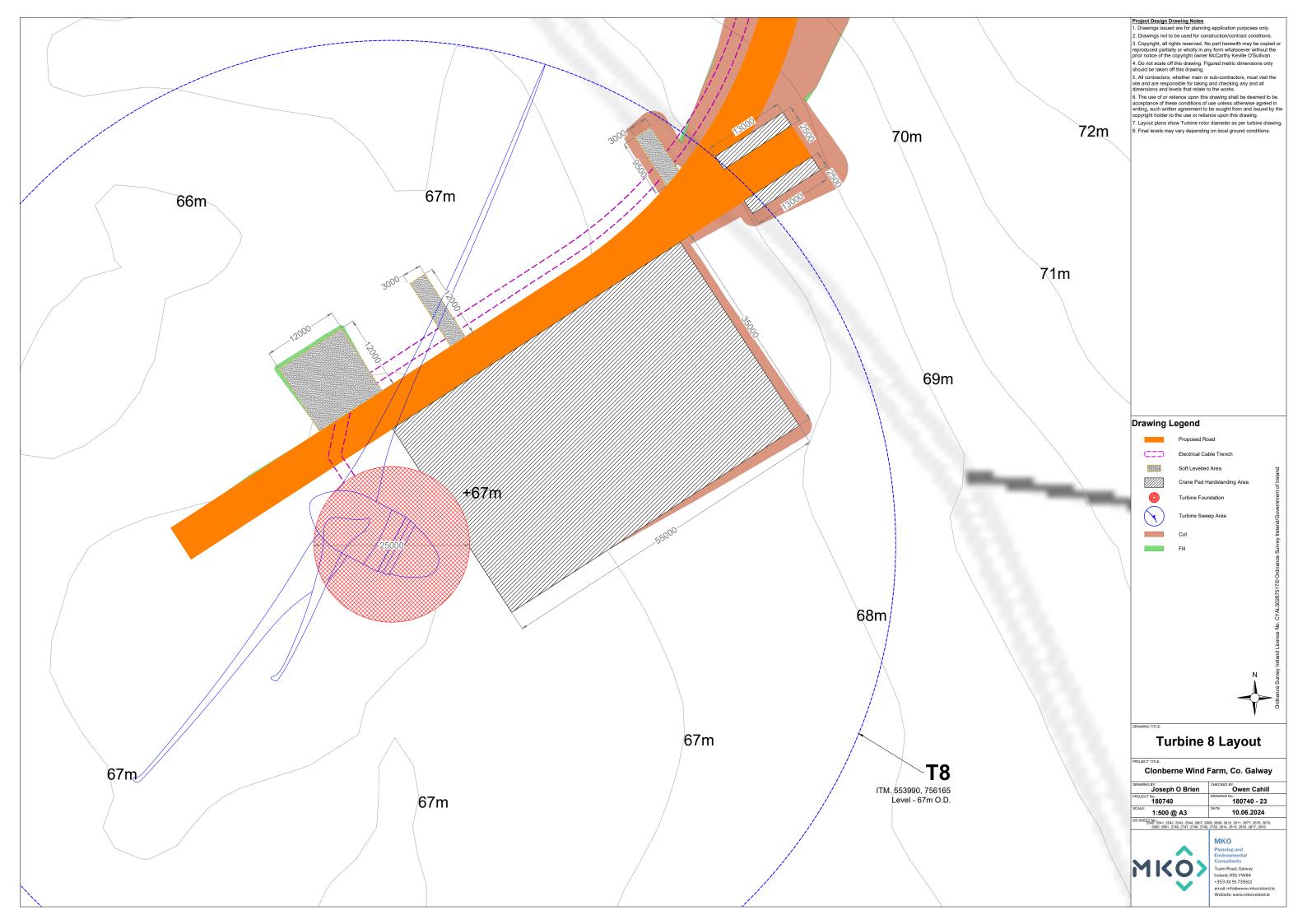


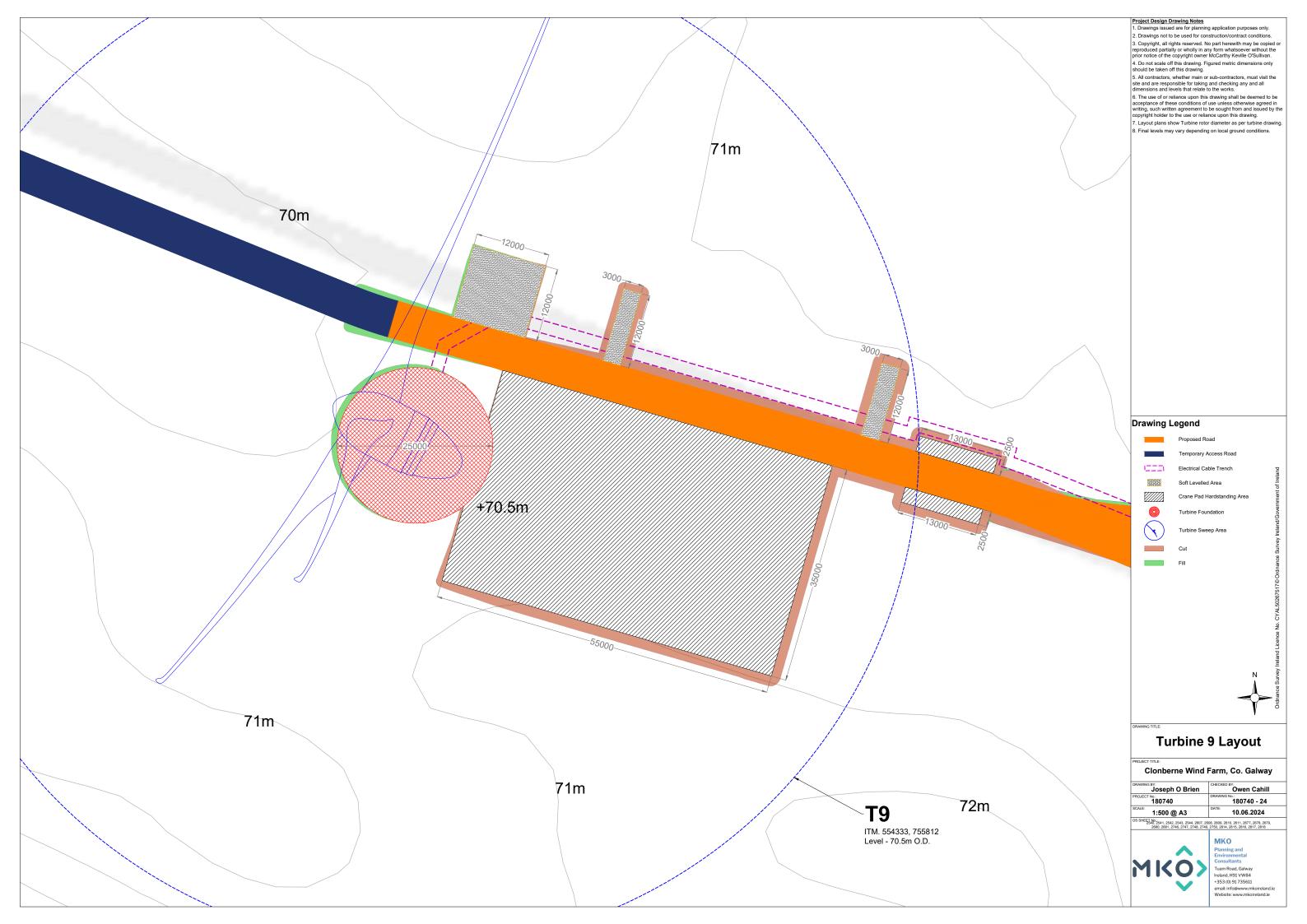


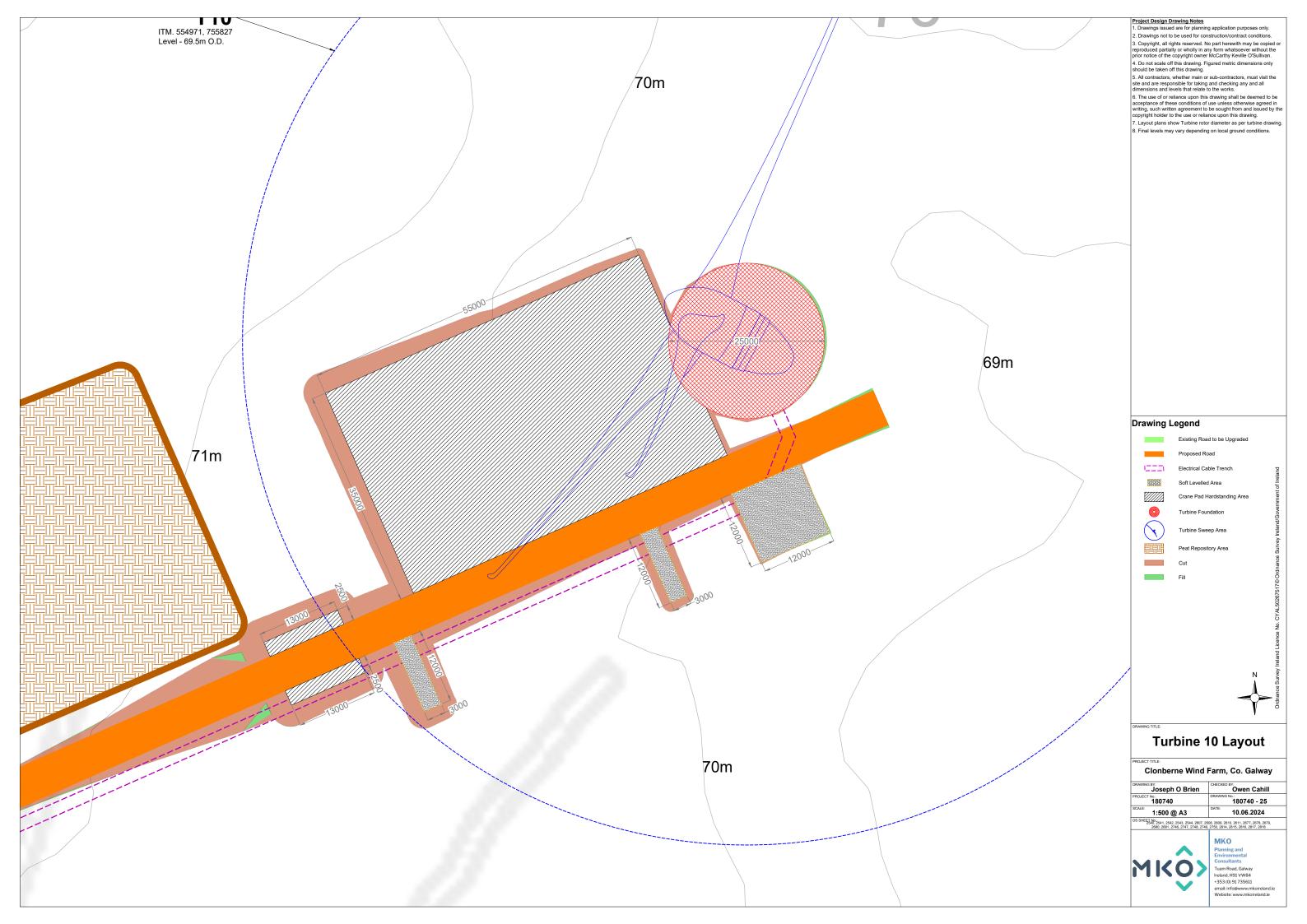




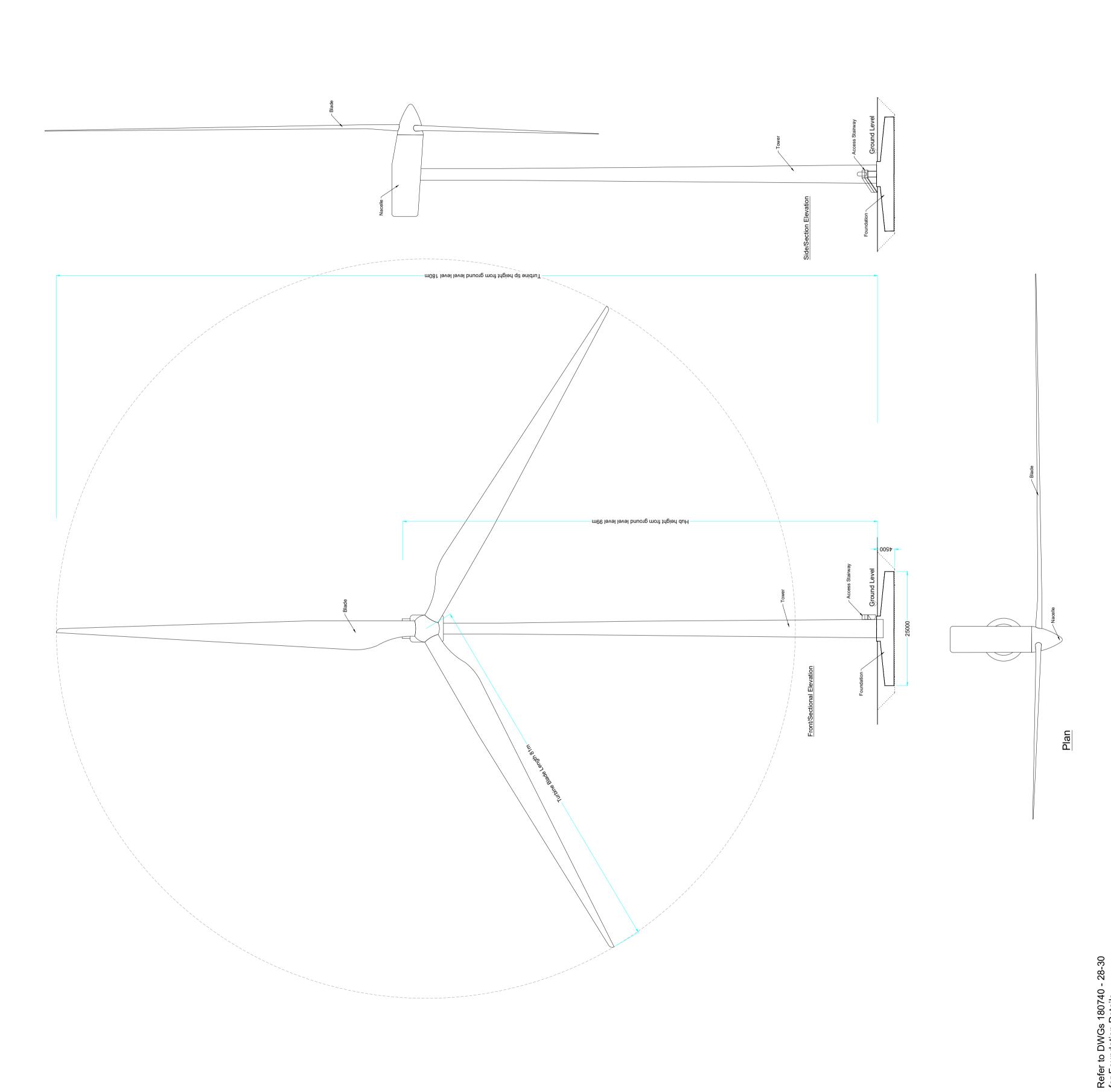












or Foundation Details

Drawing Notes

 Proposed wind turbines to have a maximum grot blade tip height of 180m, blade length of 81m an

2. Ground level represents the top of turbine founc

Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@www.mkoireland.ie Website: www.mkoireland.ie

PROJECT TITLE:

Clonberne Wind Farm, Co. Galway

DRAWING BY:
Joseph O Brien
PROJECT NO.:

180740

SCALE:

1:500 @A1

PROJECT TITLE:

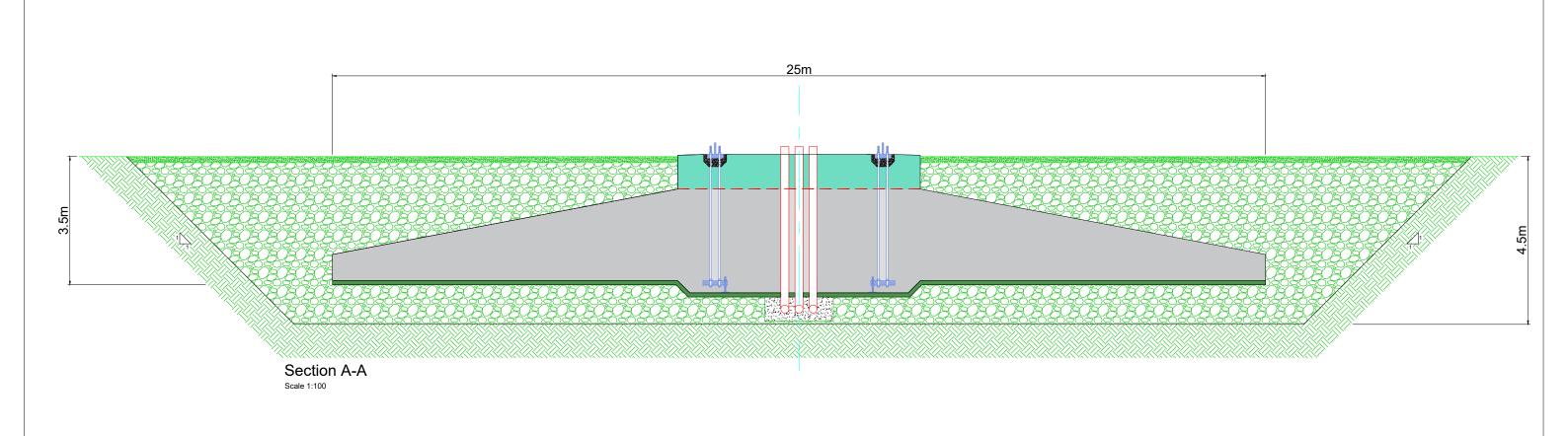
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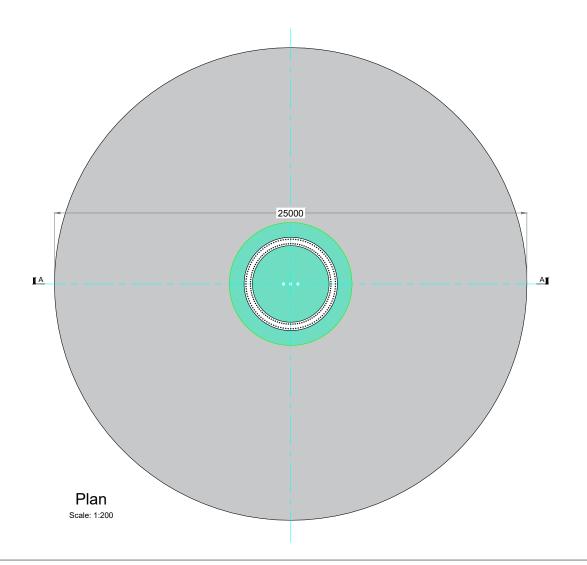
OMEN Cahill

180740 - 27

1500 @A1

Wind Turbine Elevations & Plan





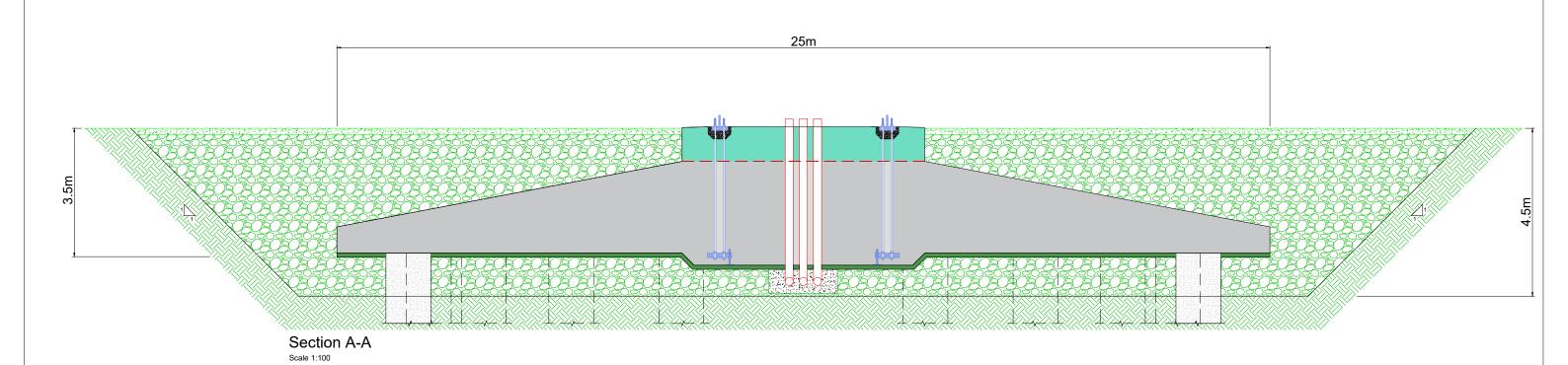
Gravity Foundation Detail

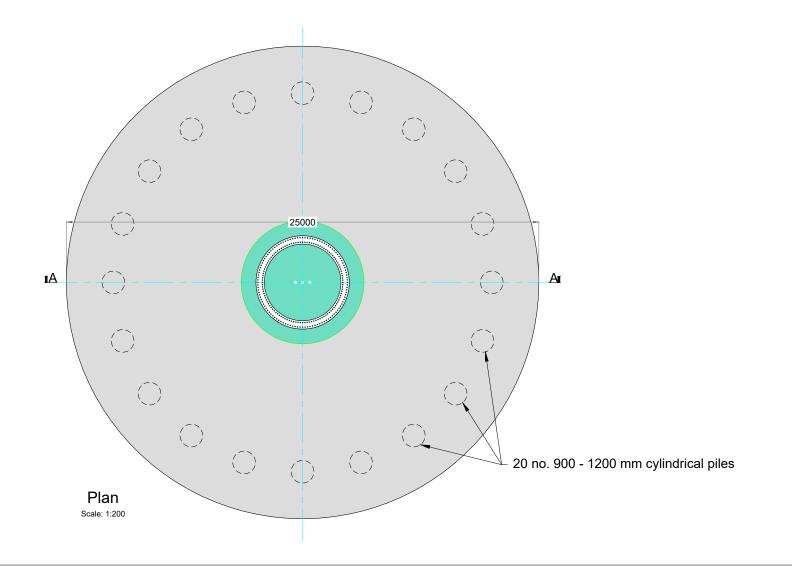
Clonberne Wind Farm, Co. Galway

Joseph O Brien	Owen Canill		
PROJECT No.: 180740	DRAWING No.: 180740 - 28		
As shown @ A3	10.06.2024		



MKO
Planning and
Environmental
Consultants
Tuam Road, Galway
Ireland, H91 WW4
+353 (0) 91735611
email: info@www.mkoireland.i
Website: www.mkoireland.ie

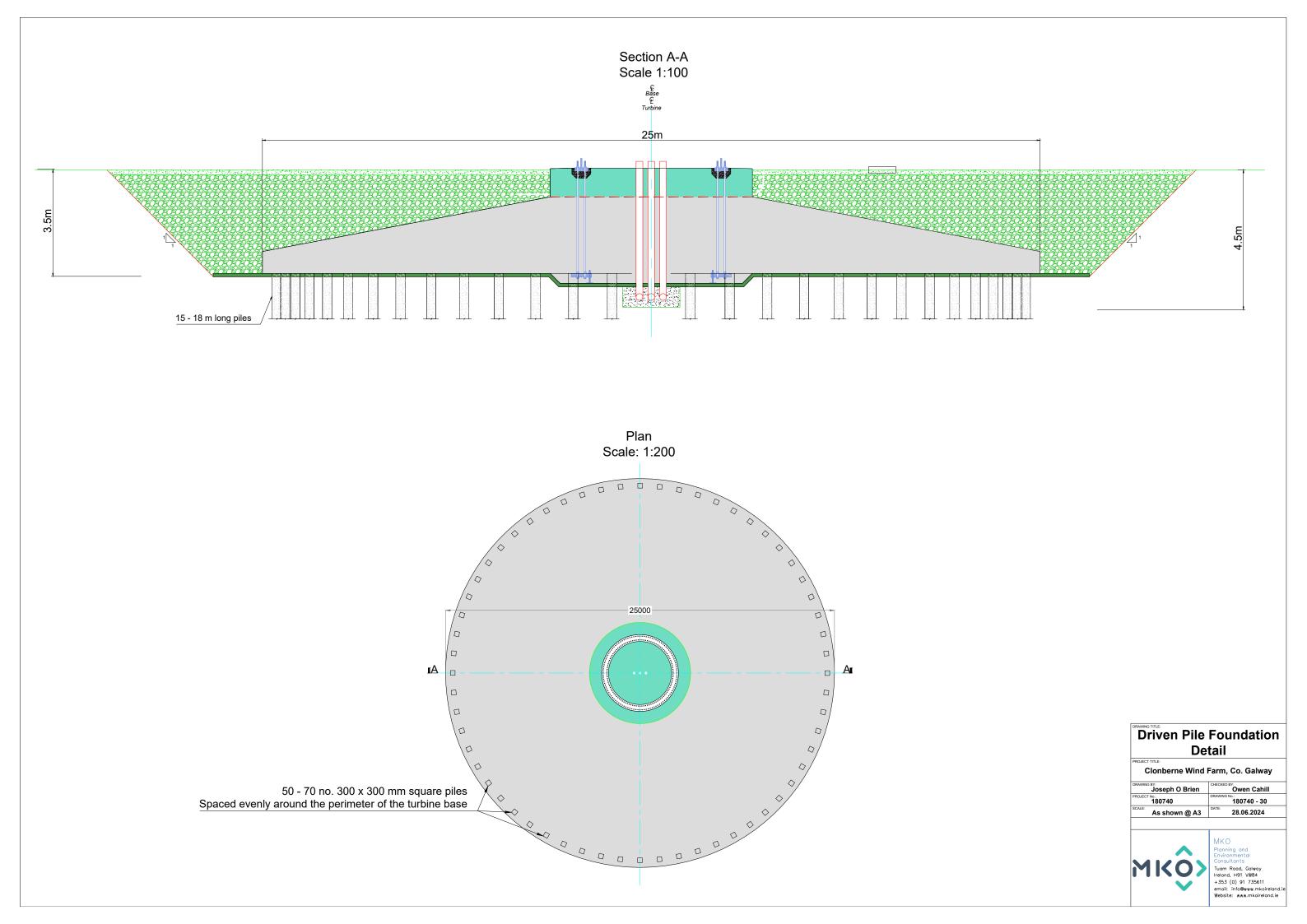


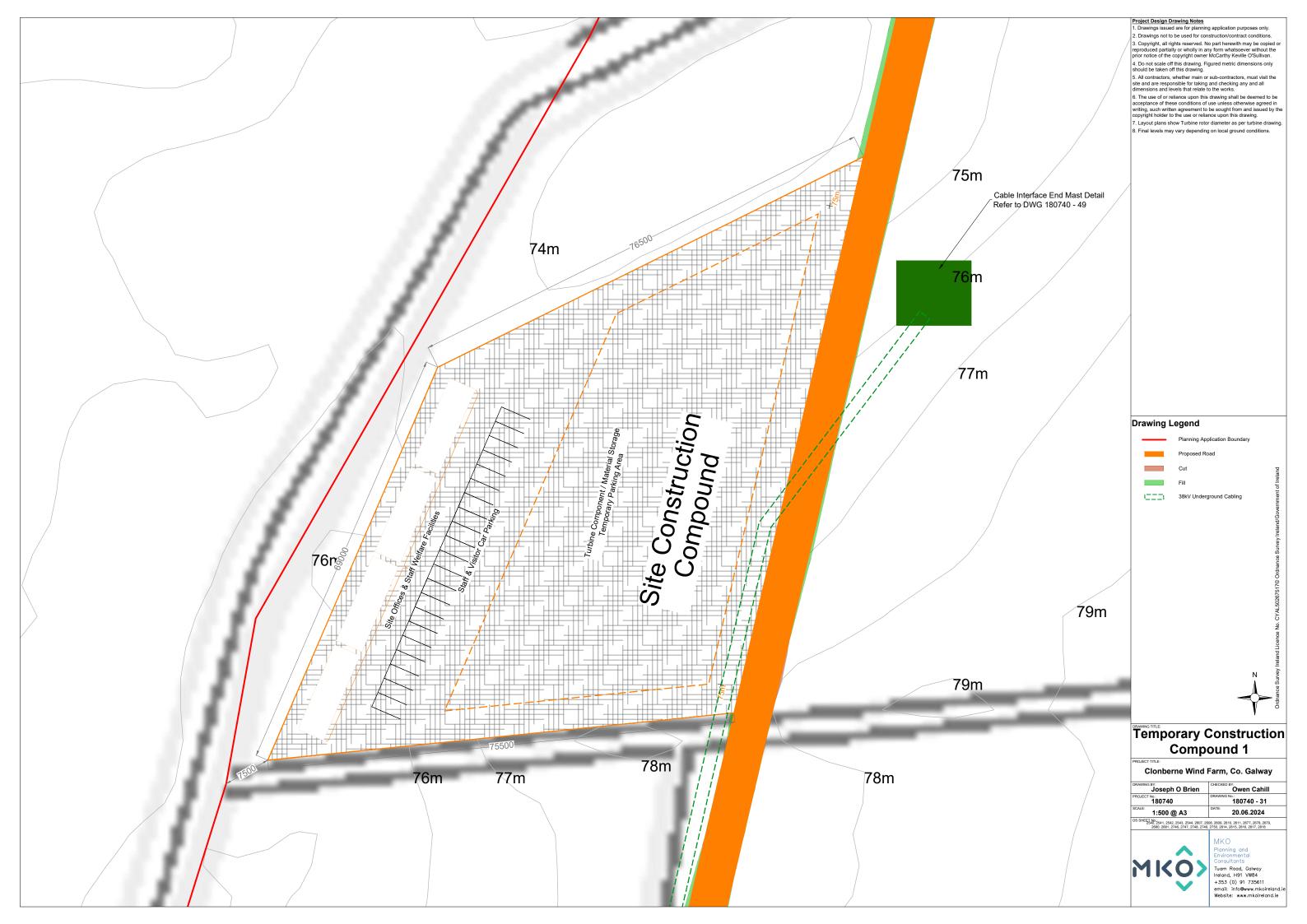


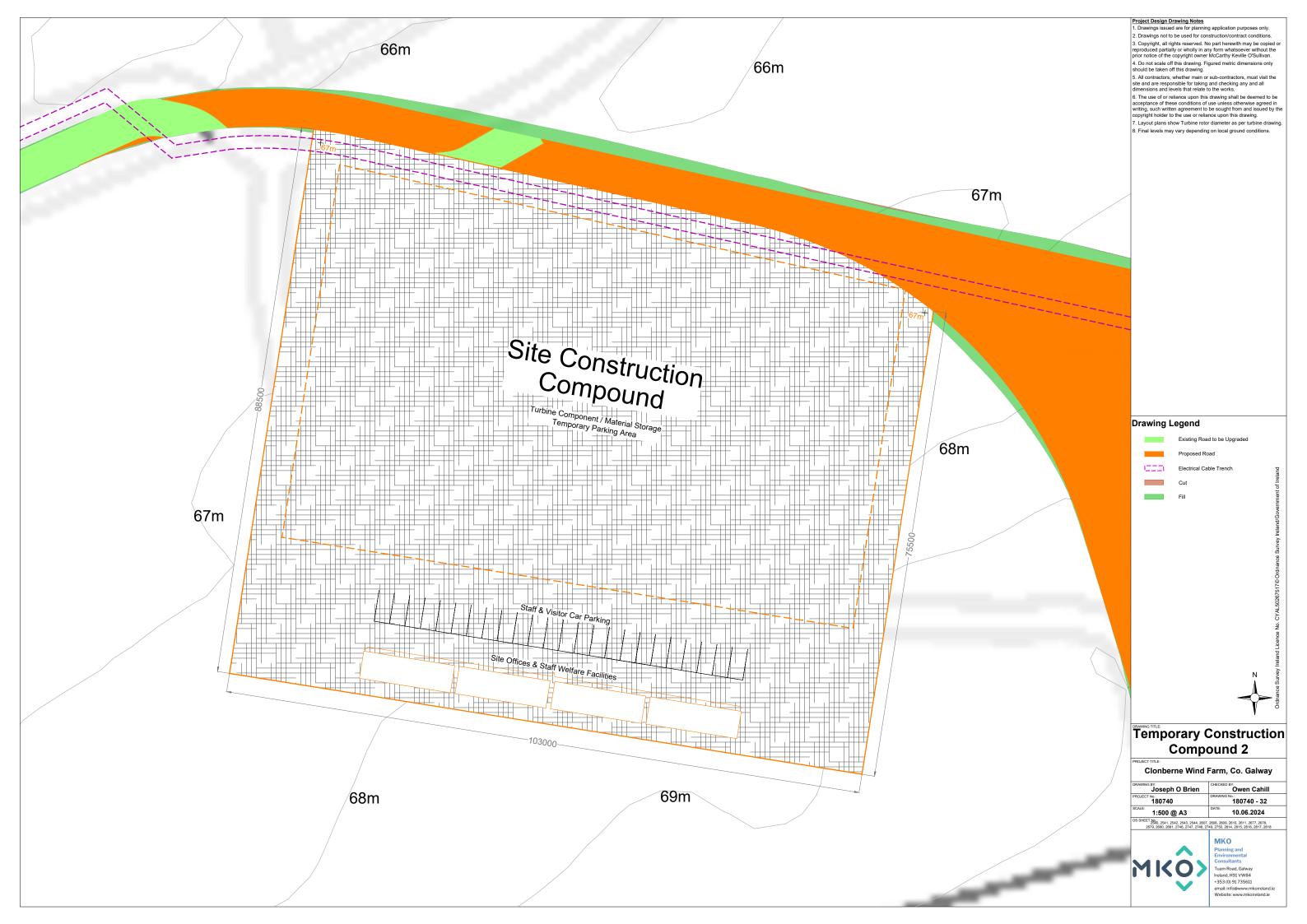
Bored Pile Foundation Detail

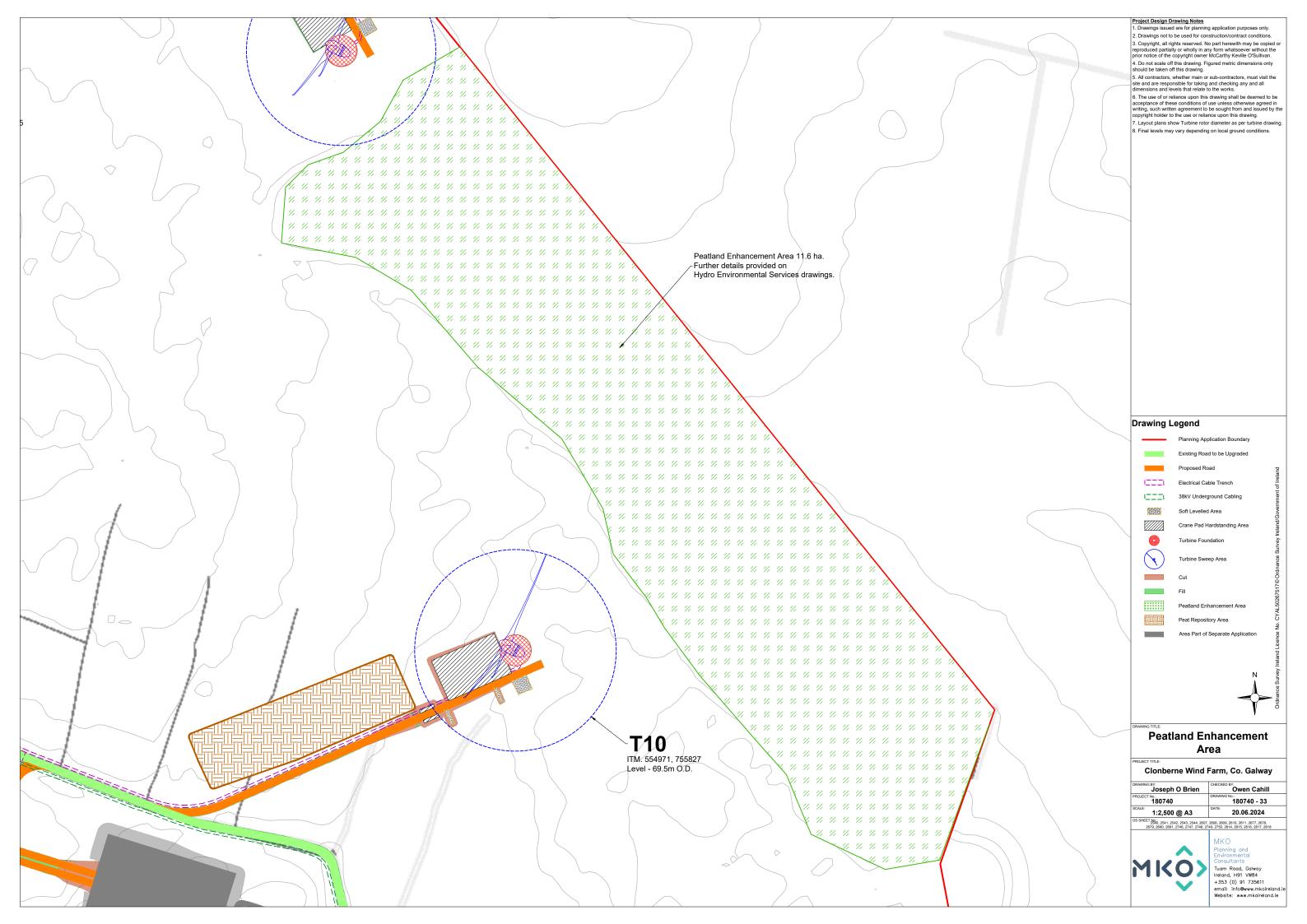
Joseph O Brien	Owen Canin	
PROJECT No.:	DRAWING No.:	
180740	180740 - 29	
As shown @ A3	10.06.2024	

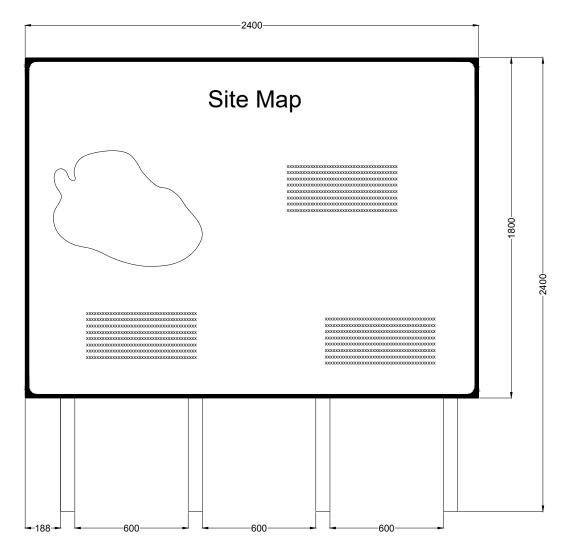




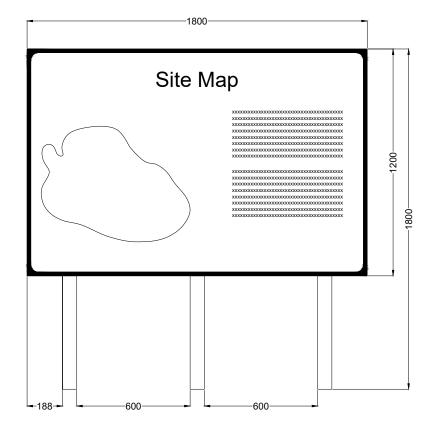




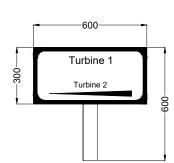




Signage Type A - Waypoint Map Signage

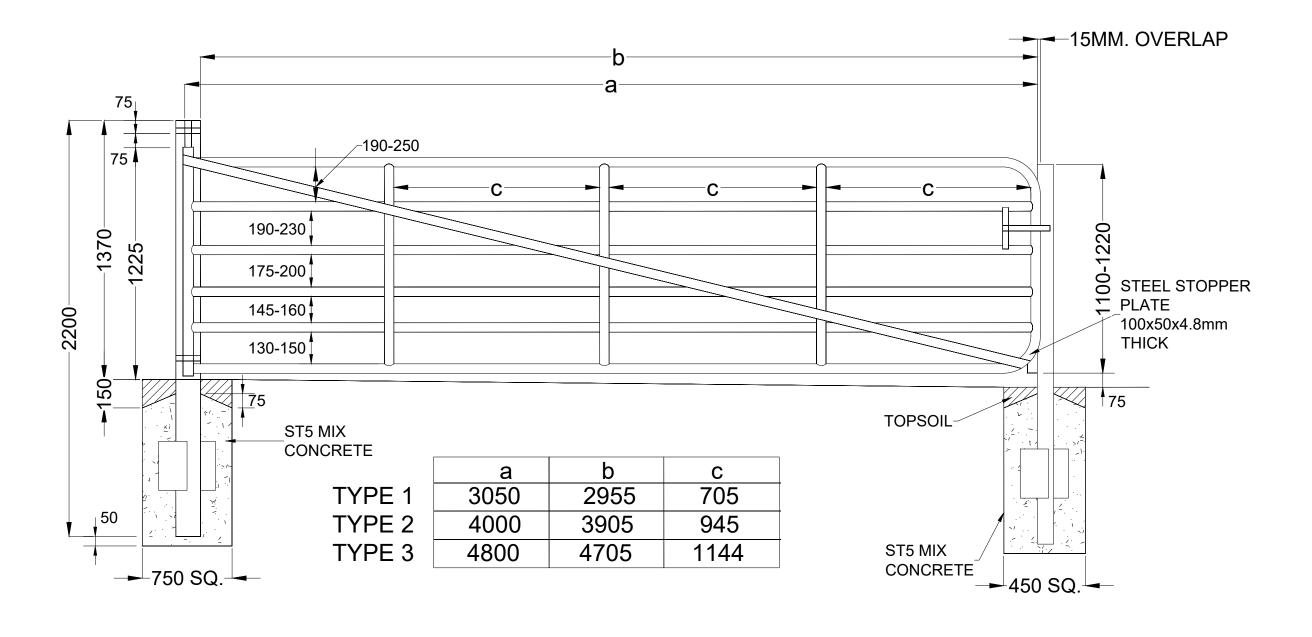


Signage Type B -Entry Point Signage

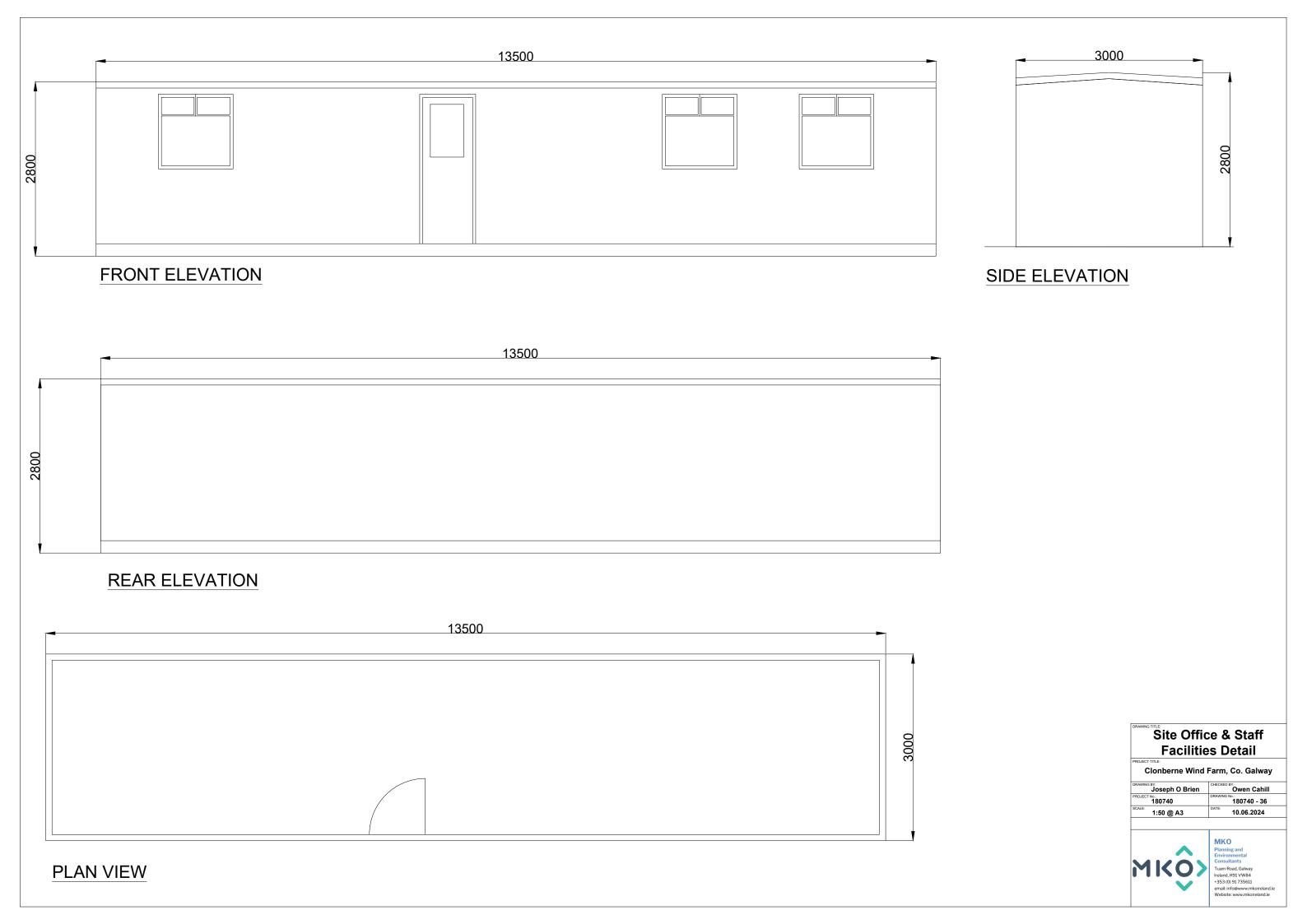


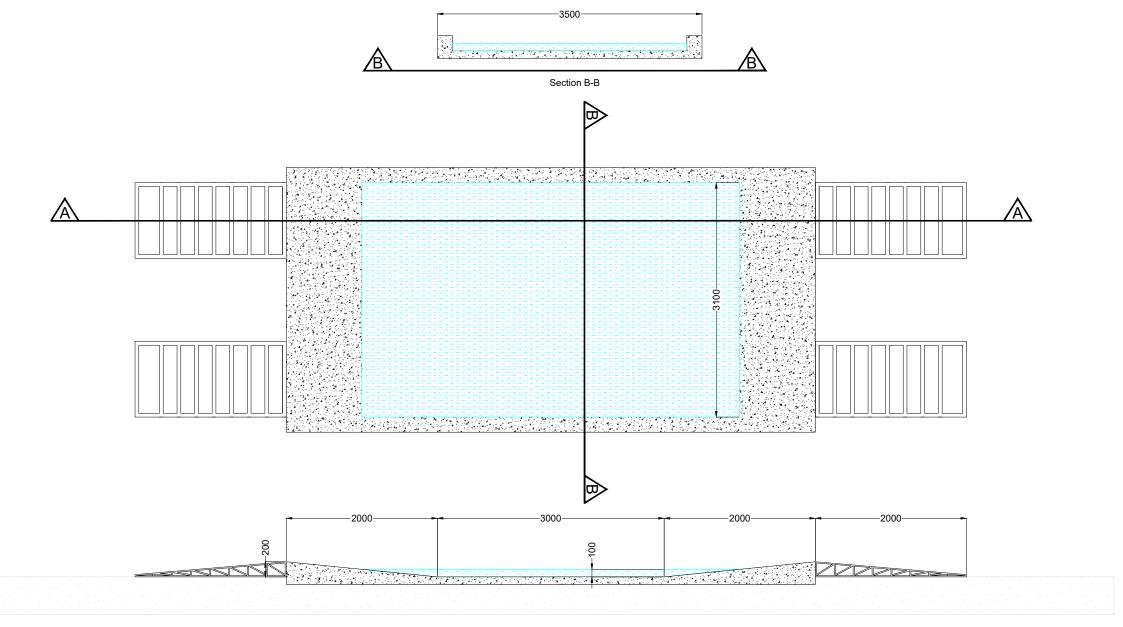
Signage Type C - Way Point Direction Signage









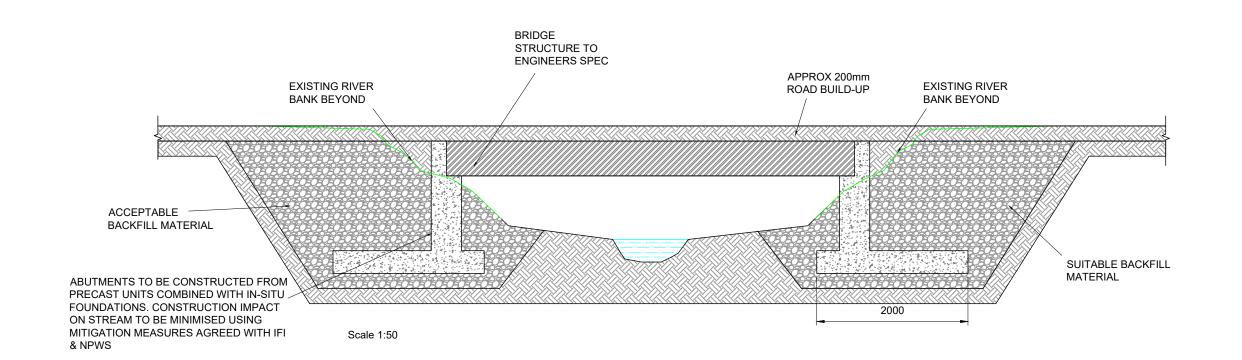


Section A-A



Joseph O Brien	Owen Cahill
PROJECT No.: 180740	180740 - 37
1:50 @ A3	10.06.2024

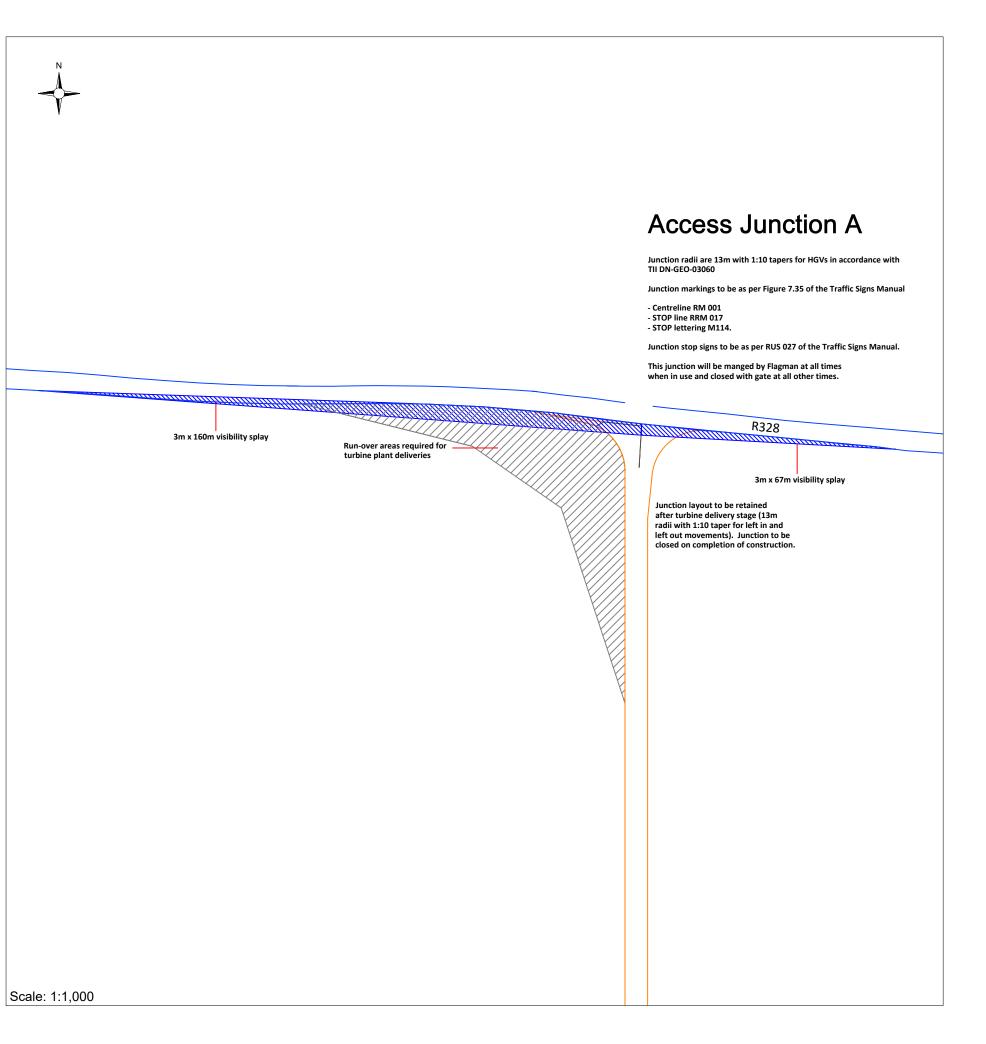


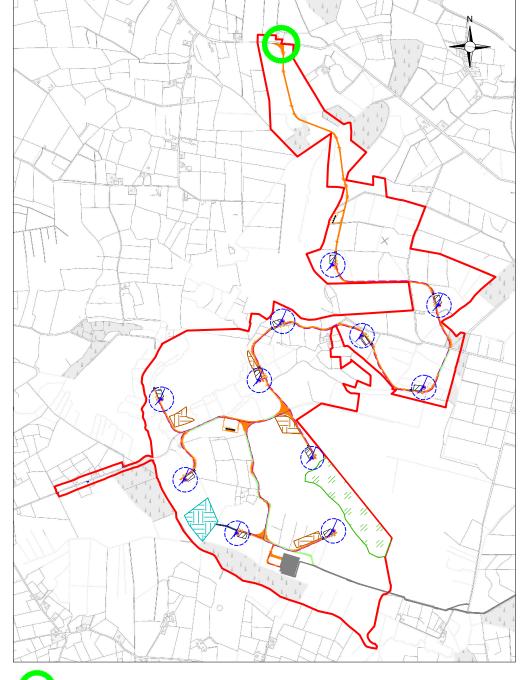


Clear Span Watercourse Crossing

Joseph O'Brien	Owen Cahill		
PROJECT No.: 180740	DRAWING No.: 180740 - 38		
1: 50 @ A3	10.06.2024		









1:25,000 Location on Context Map

Drawing Legend

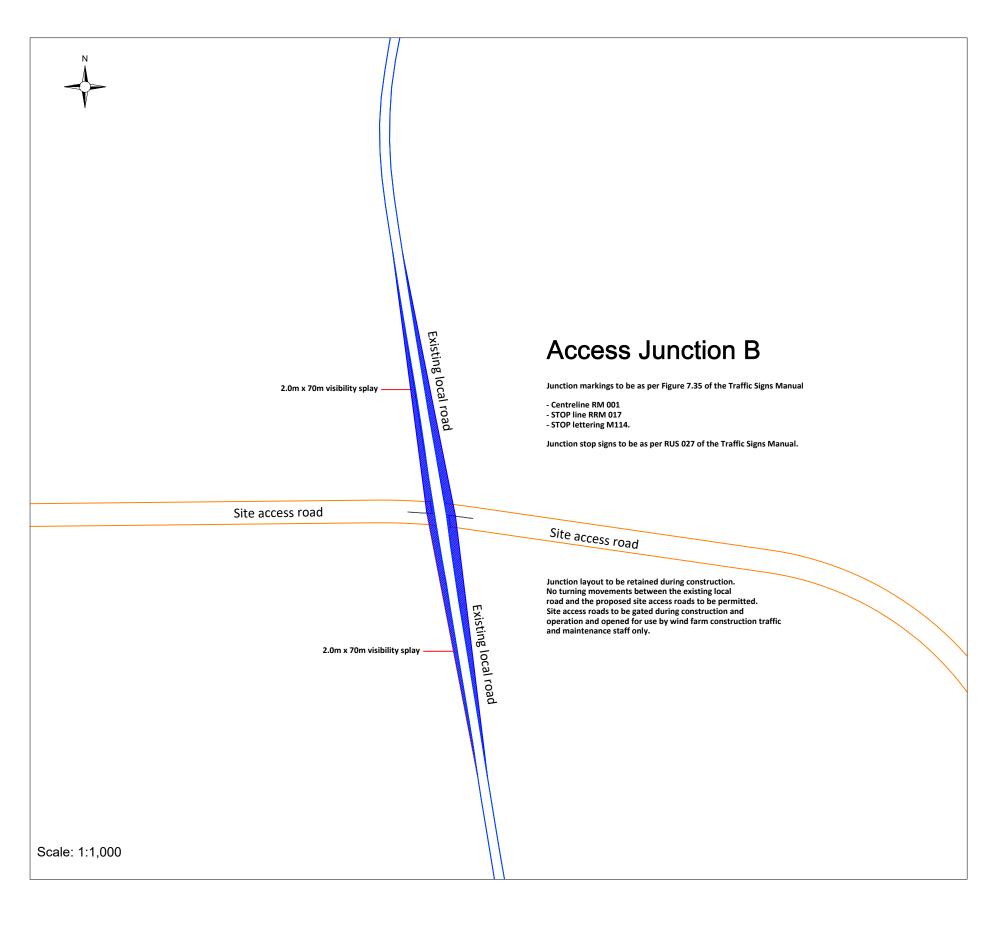
Existing Road Edge
Proposed Road
Transport Runover Area

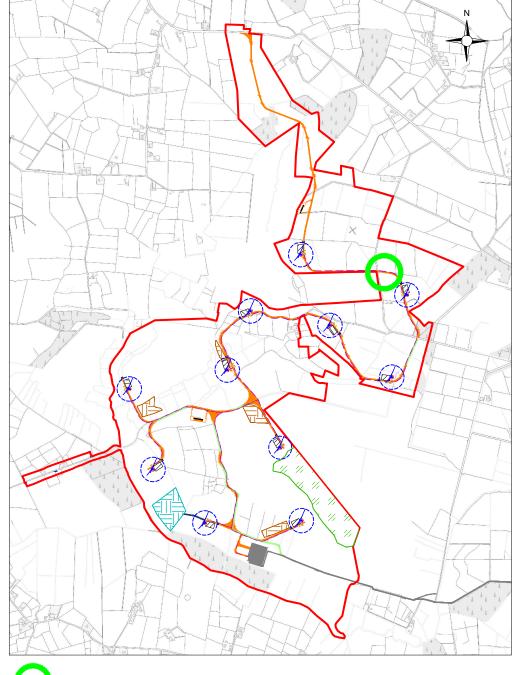
Sight Line

Proposed Access Junction A

Joseph O Brien	Owen Cahill
PROJECT No.: 180740	180740 - 39
1:1,000 @ A3	10.06.2024









1:25,000 Location on Context Map

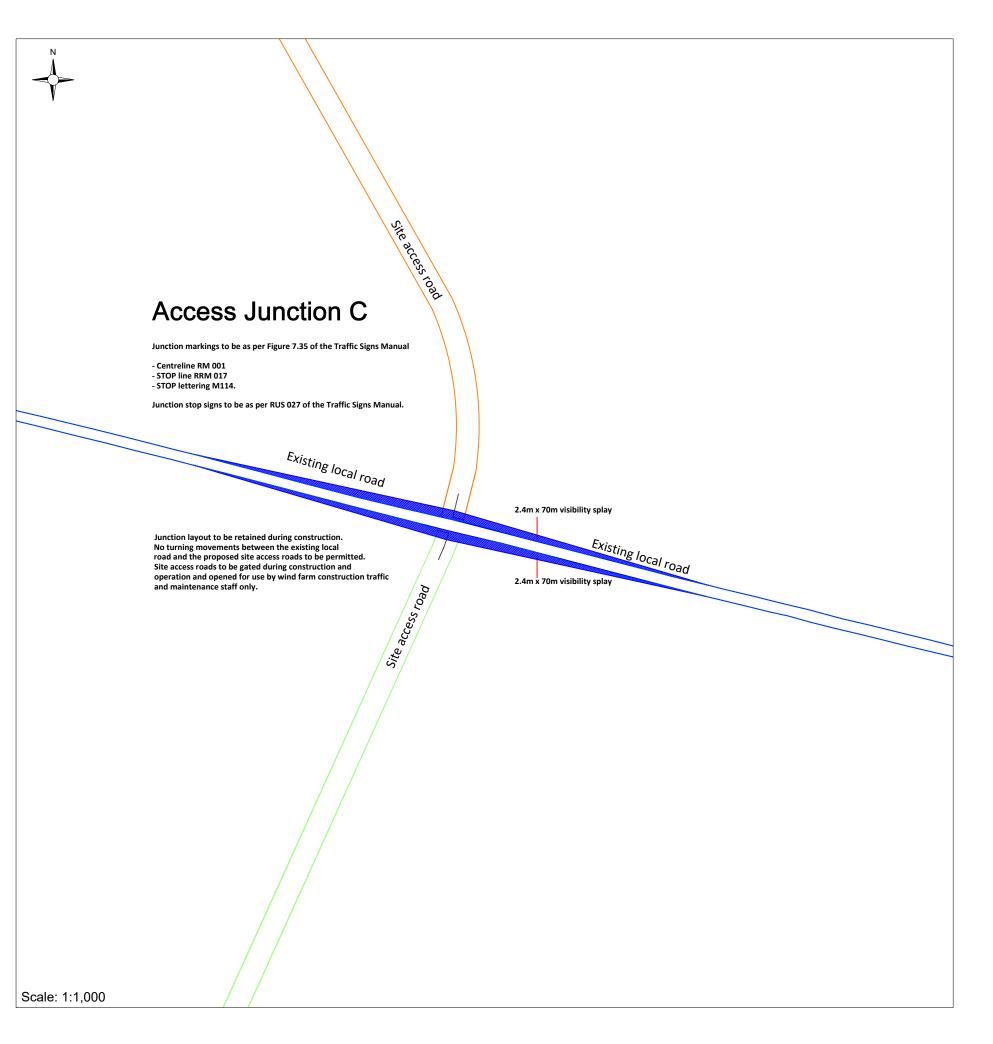
Drawing Legend Existing Road Edge

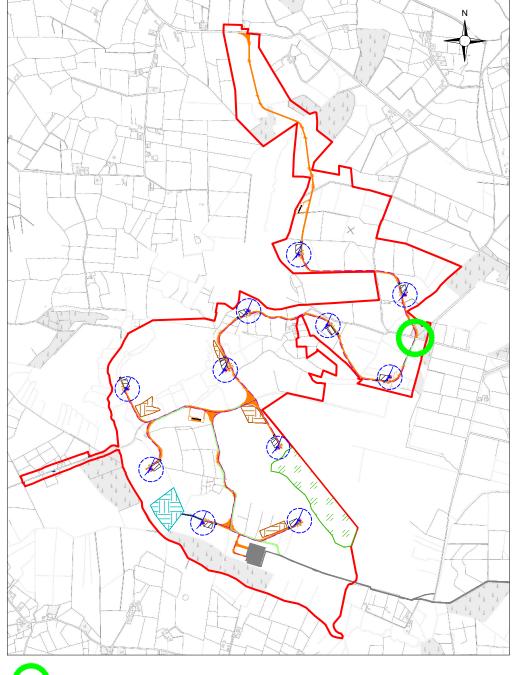
Proposed F

Proposed Access Junction B

Joseph O Brien	Owen Cahill
PROJECT No.: 180740	DRAWING No.: 180740 - 40
1:1,000 @ A3	10.06.2024







0

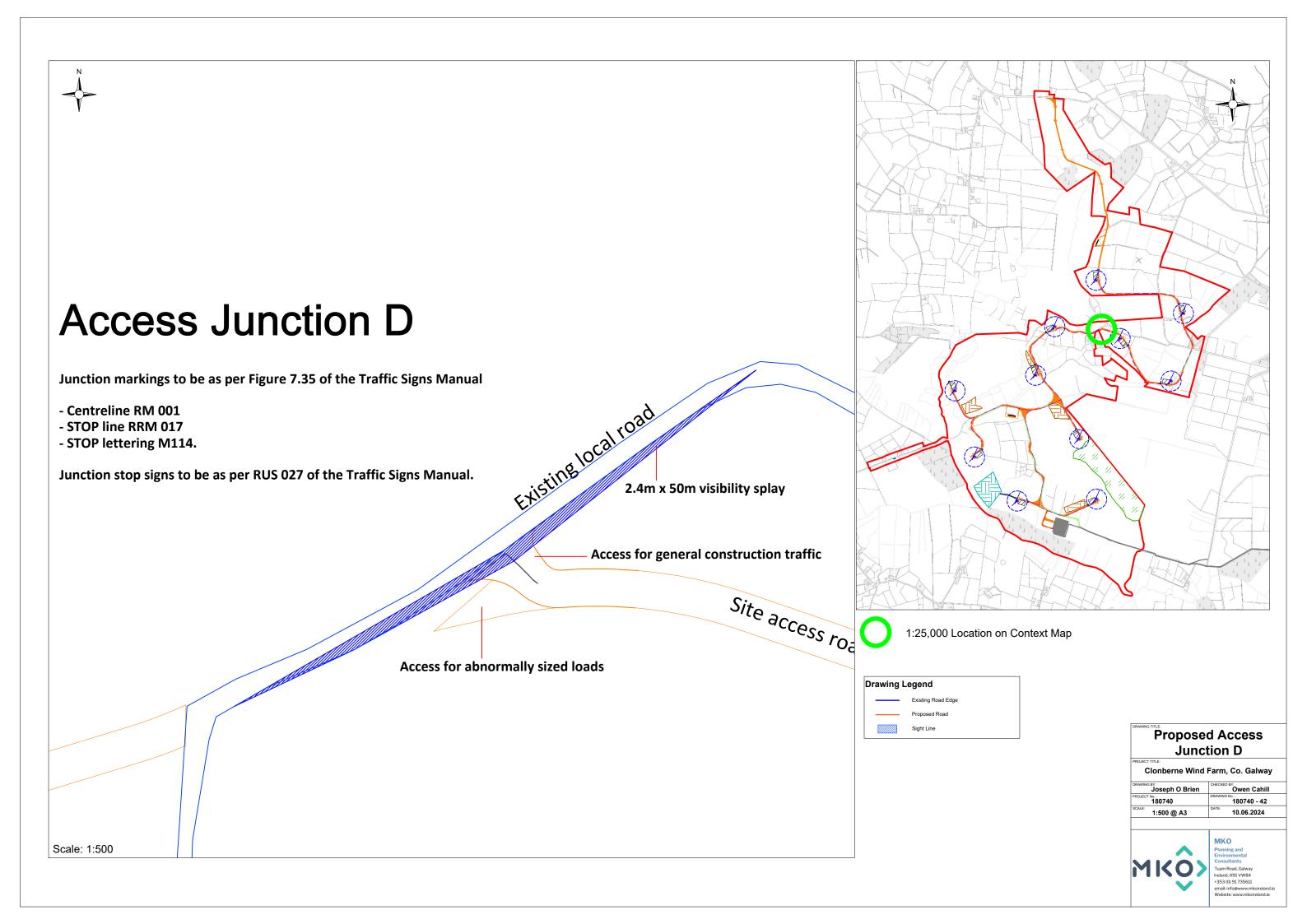
1:25,000 Location on Context Map

Drawing Legend Existing Road Edge Proposed Road Sight Line

Proposed Access Junction C

Joseph O Brien	Owen Cahill
PROJECT No.: 180740	DRAWING No.: 180740 - 41
1:1,000 @ A3	10.06.2024







Access Junction F

Junction markings to be as per Figure 7.35 of the Traffic Signs Manual

- Centreline RM 001
- STOP line RRM 017
- STOP lettering M114.

Junction stop signs to be as per RUS 027 of the Traffic Signs Manual.

This junction will be managed by Flagmen when in use for the Proposed Development.

Existing local road



1:25,000 Location on Context Map

Drawing Legend

Existing Road Edg

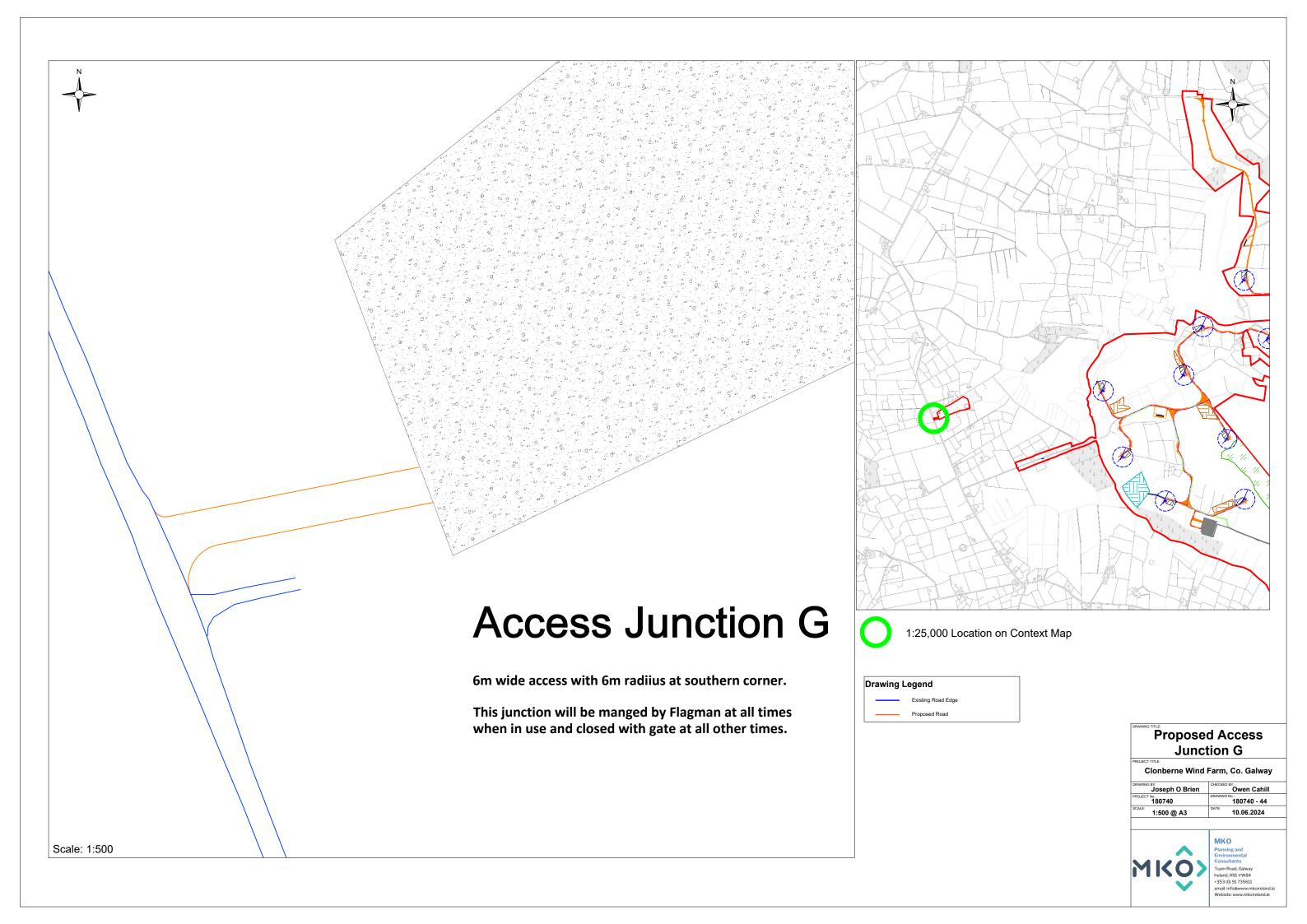
Proposed Access Junction F

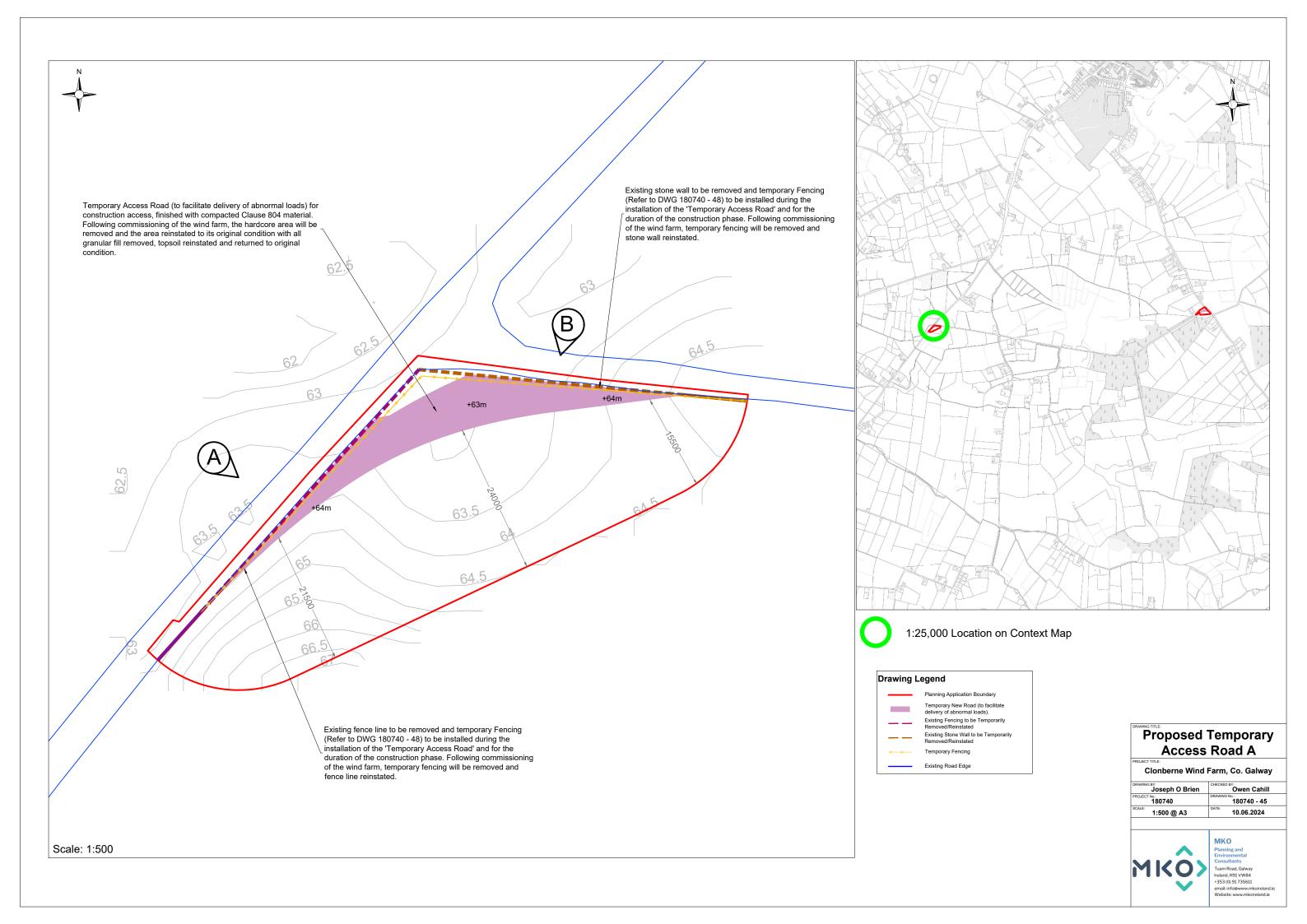
Clonberne Wind Farm, Co. Galway

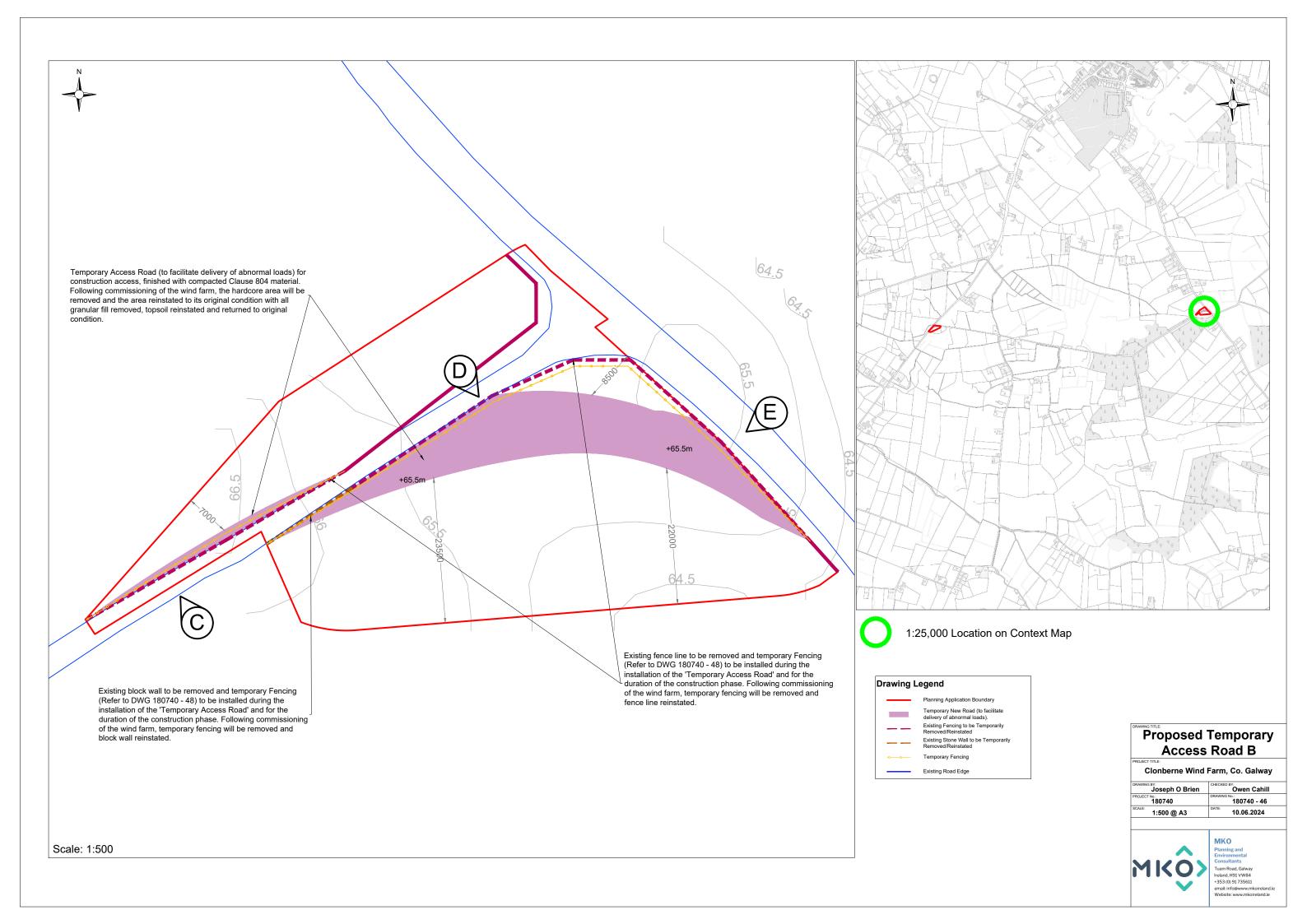
Joseph O Brien	Owen Cahill
PROJECT No.: 180740	DRAWING No.: 180740 - 43
1:500 @ A3	10.06.2024

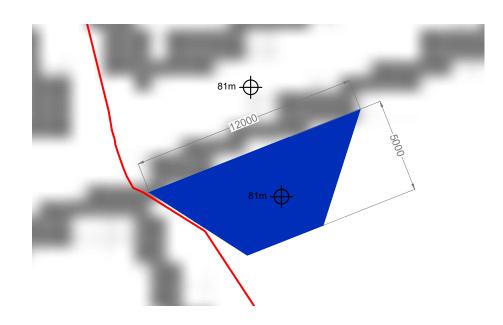


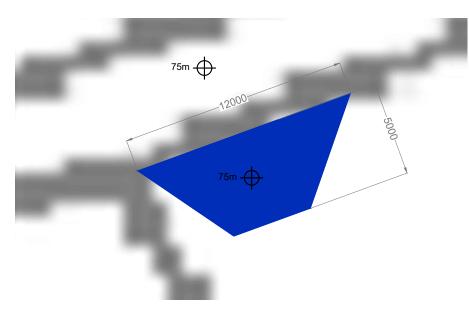
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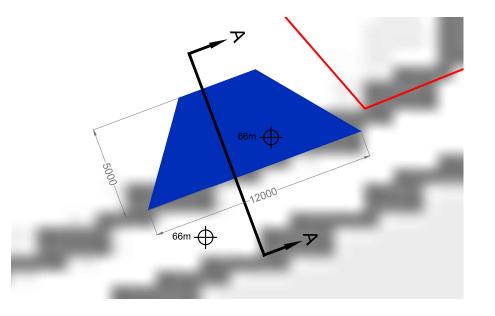










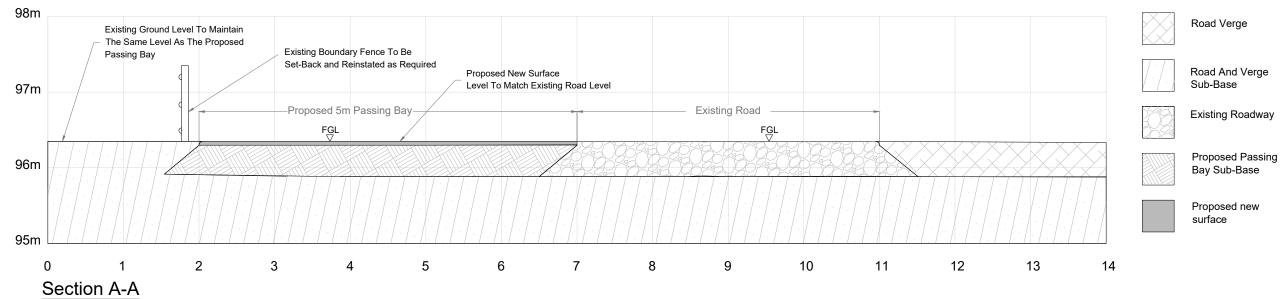


Plan View Passing Bay 1 1:200

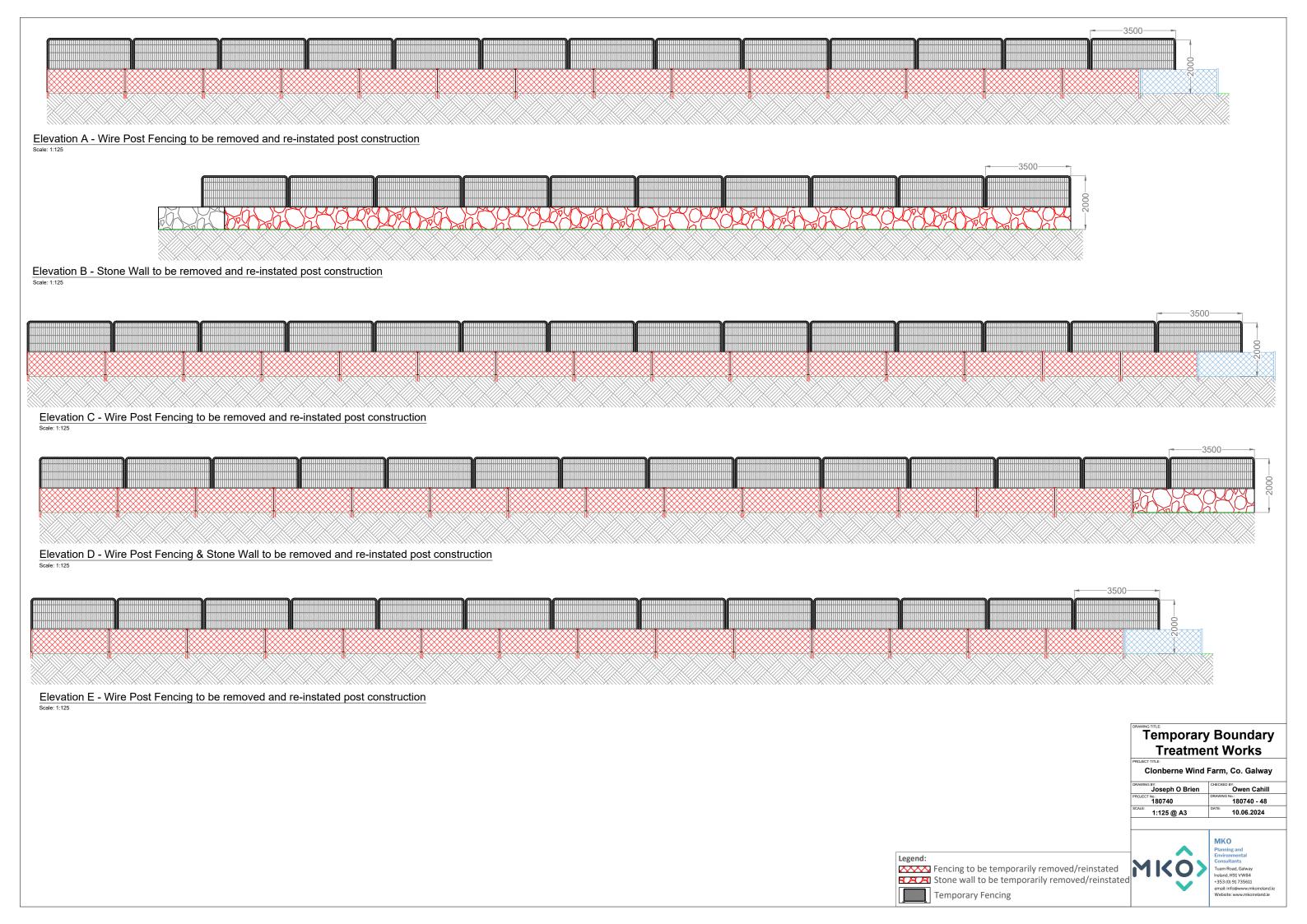
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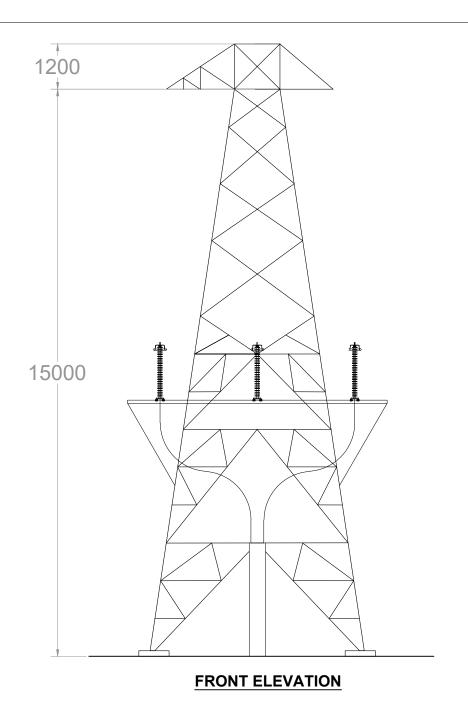
Plan View Passing Bay 2 1:200

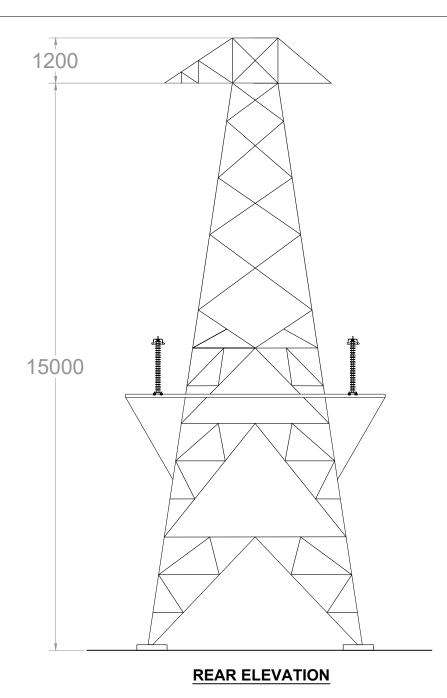
Plan View Passing Bay 3 1:200

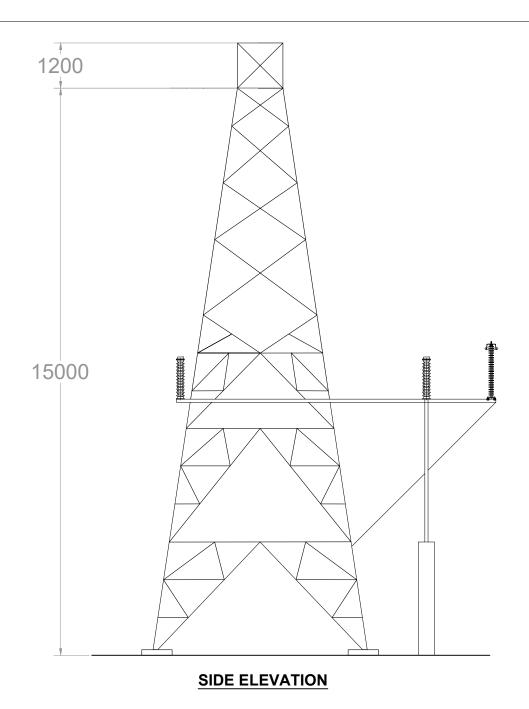












5700 5700 PLAN VIEW

NOTES:

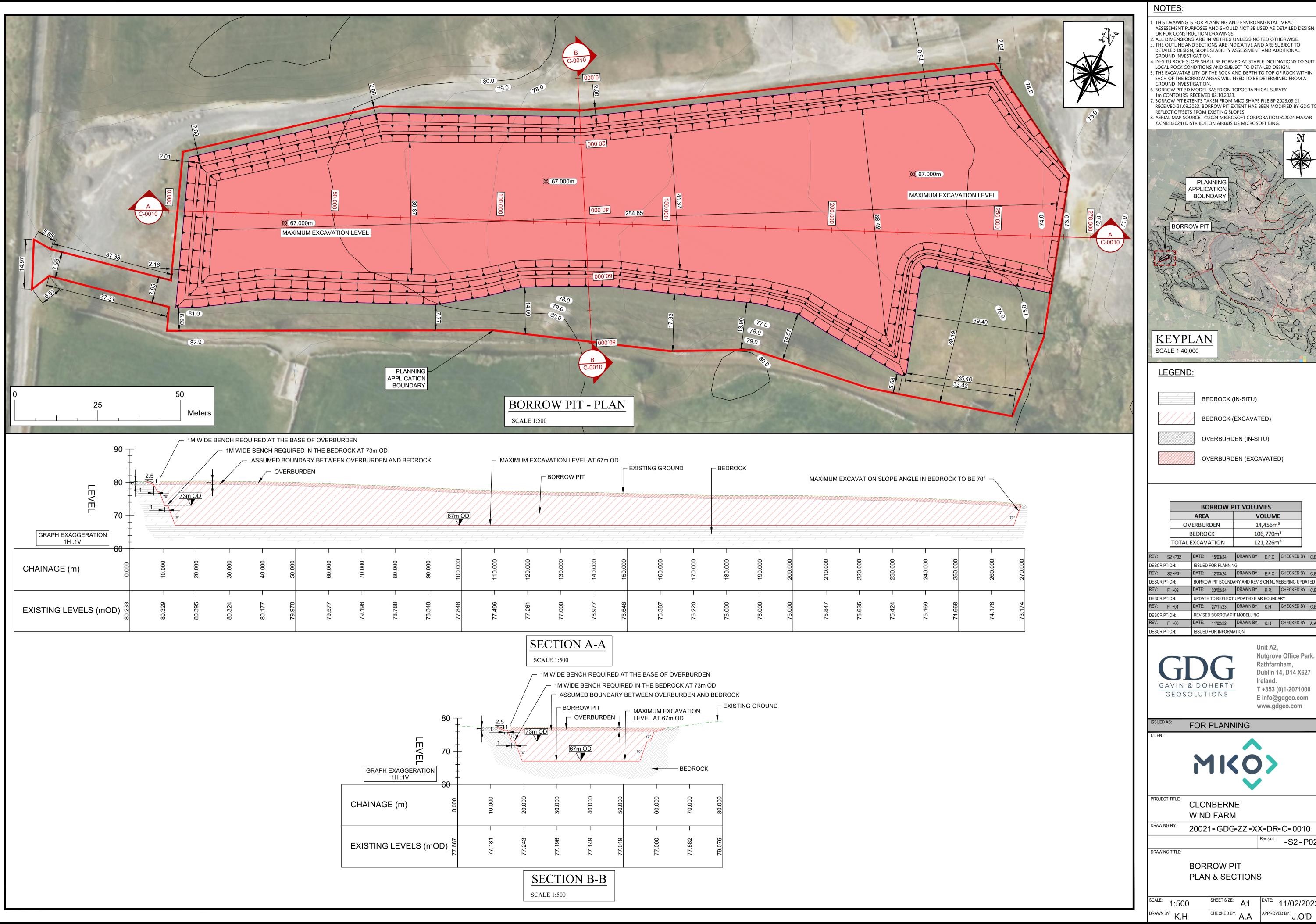
Cable Interface End Masts proposed within the Clonberne Wind Farm site to facilitate the undergrounding of a section of a 38kV overhead electrical line which is currently proposed under PL ref. no. 24/ 60230 to traverse the Clonberne Wind Farm site in a north-south direction. The proposal which is included in this application as detailed includes the provision of 38kV Line to Cable Interface End Masts and 38kV Underground Cabling.

Cable Interface End Mast Detail

ECT TITLE: Clonberne Wind Farm, Co. Galway

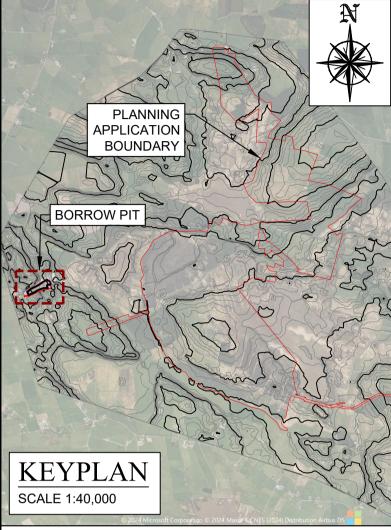
Joseph O Brien	Owen Cahill		
PROJECT No.:	DRAWING No.:		
180740	180740 - 49		
1:100 @ A3	20.06.2024		





- THIS DRAWING IS FOR PLANNING AND ENVIRONMENTAL IMPACT ASSESSMENT PURPOSES AND SHOULD NOT BE USED AS DETAILED DESIGN OR FOR CONSTRUCTION DRAWINGS.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. 3. THE OUTLINE AND SECTIONS ARE INDICATIVE AND ARE SUBJECT TO DETAILED DESIGN, SLOPE STABILITY ASSESSMENT AND ADDITIONAL
- 4. IN-SITU ROCK SLOPE SHALL BE FORMED AT STABLE INCLINATIONS TO SUIT LOCAL ROCK CONDITIONS AND SUBJECT TO DETAILED DESIGN.

 5. THE EXCAVATABILITY OF THE ROCK AND DEPTH TO TOP OF ROCK WITHIN EACH OF THE BORROW AREAS WILL NEED TO BE DETERMINED FROM A
- GROUND INVESTIGATION. 6. BORROW PIT 3D MODEL BASED ON TOPOGRAPHICAL SURVEY: 1m CONTOURS, RECEIVED 02.10.2023.
- 7. BORROW PIT EXTENTS TAKEN FROM MKO SHAPE FILE BP 2023.09.21, RECEIVED 21.09.2023. BORROW PIT EXTENT HAS BEEN MODIFIED BY GDG TO REFLECT OFFSETS FROM EXISTING SLOPES.
- 8. AERIAL MAP SOURCE: ©2024 MICROSOFT CORPORATION ©2024 MAXAR ©CNES(2024) DISTRIBUTION AIRBUS DS MICROSOFT BING.



LEGEND

BEDROCK (IN-SITU)



BEDROCK (EXCAVATED) OVERBURDEN (IN-SITU)



OVERBURDEN (EXCAVATED)

BORROW PIT VOLUMES			
AREA	VOLUME		
OVERBURDEN	14,456m³		
BEDROCK	106,770m³		
TOTAL EXCAVATION	121,226m³		

KEV.	S2=P02	DATE.	15/03/24	DRAWN BT.	E.F.C.	CHECKED BY:	C.E.
DESCRIP	TION:	ISSUED F	FOR PLANNING	G			
REV:	S2 - P01	DATE:	12/03/24	DRAWN BY:	E.F.C.	CHECKED BY:	C.E.
DESCRIF	TION:	BORROV	V PIT BOUNDA	RY AND REVIS	ON NUM	EBERING UPDAT	ΓED
REV:	FI - 02	DATE:	23/02/24	DRAWN BY:	R.R.	CHECKED BY:	C.E
DESCRIF	TION:	UPDATE	TO REFLECT	UPDATED EIAR	BOUNDA	ARY	
REV:	FI - 01	DATE:	27/11/23	DRAWN BY:	K.H	CHECKED BY:	C.E
DESCRIP	TION:	REVISED	BORROW PIT	MODELLING			
REV:	FI - 00	DATE:	11/02/22	DRAWN BY:	K.H	CHECKED BY:	A.A
DESCRIP	PTION:	ISSUED F	FOR INFORMA	TION			



Unit A2, Nutgrove Office Park, Rathfarnham, Dublin 14, D14 X627 Ireland. T +353 (0)1-2071000 E info@gdgeo.com www.gdgeo.com

FOR PLANNING



CLONBERNE WIND FARM

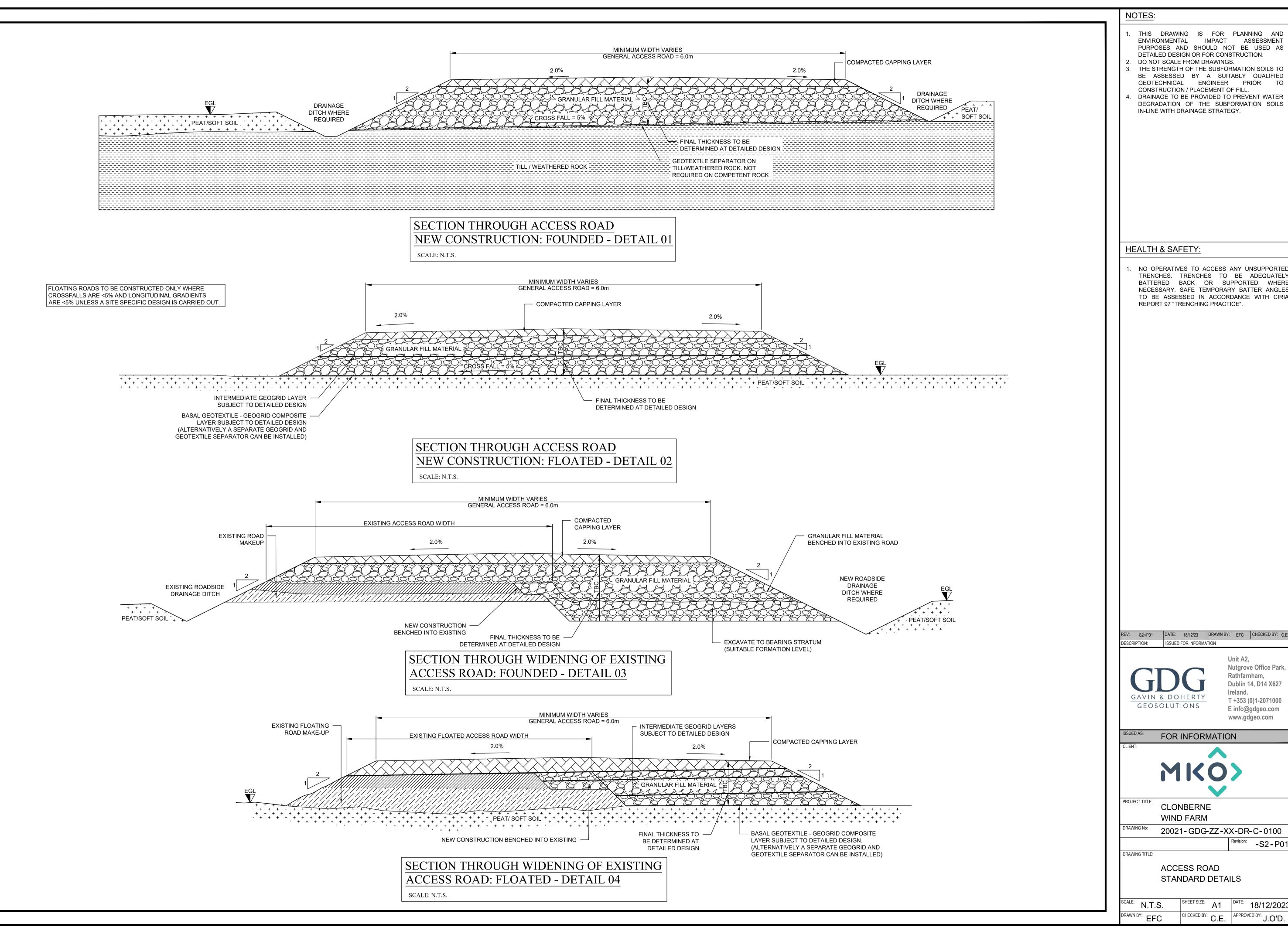
20021-GDG-ZZ-XX-DR-C-0010

Revision: -S2 - P02

DRAWING TITLE:

BORROW PIT PLAN & SECTIONS

SHEET SIZE: A1 DATE: 11/02/2022



NOTES:

- THIS DRAWING IS FOR PLANNING AND ENVIRONMENTAL IMPACT ASSESSMENT PURPOSES AND SHOULD NOT BE USED AS DETAILED DESIGN OR FOR CONSTRUCTION.
- DO NOT SCALE FROM DRAWINGS.
- THE STRENGTH OF THE SUBFORMATION SOILS TO BE ASSESSED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION / PLACEMENT OF FILL.
- DRAINAGE TO BE PROVIDED TO PREVENT WATER DEGRADATION OF THE SUBFORMATION SOILS IN-LINE WITH DRAINAGE STRATEGY.

HEALTH & SAFETY:

NO OPERATIVES TO ACCESS ANY UNSUPPORTED TRENCHES. TRENCHES TO BE ADEQUATELY BATTERED BACK OR SUPPORTED WHERE NECESSARY. SAFE TEMPORARY BATTER ANGLES TO BE ASSESSED IN ACCORDANCE WITH CIRIA REPORT 97 "TRENCHING PRACTICE".

DESCRIPTION: ISSUED FOR INFORMATION

GEOSOLUTIONS

Rathfarnham, **Dublin 14, D14 X627** Ireland. T +353 (0)1-2071000 E info@gdgeo.com www.gdgeo.com

Nutgrove Office Park,

Unit A2,

FOR INFORMATION



PROJECT TITLE:

CLONBERNE WIND FARM

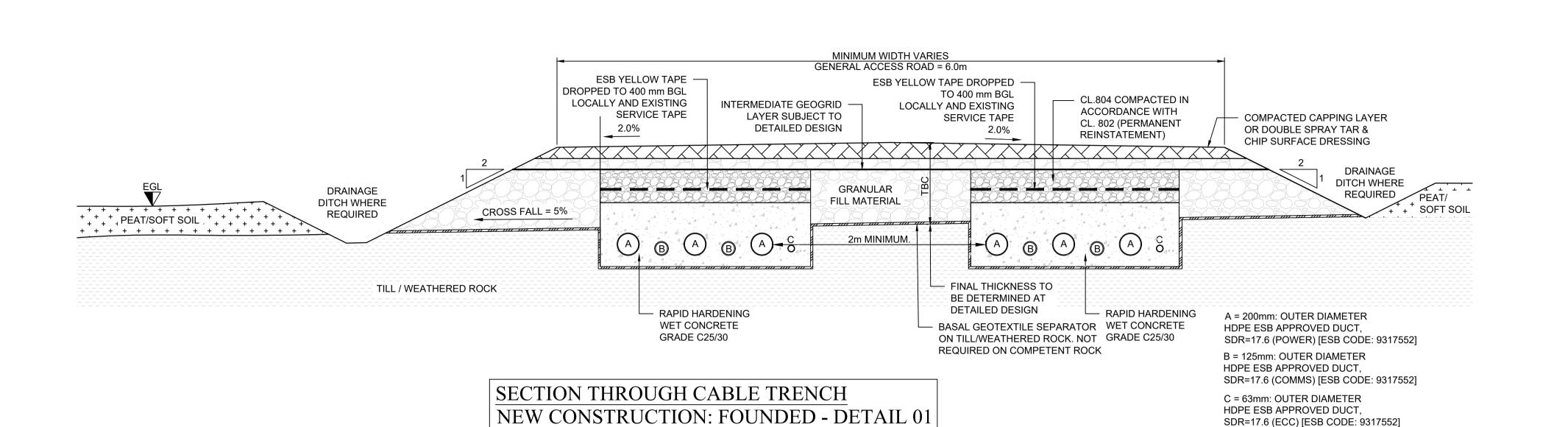
20021-GDG-ZZ-XX-DR-C-0100

Revision: -S2-P01

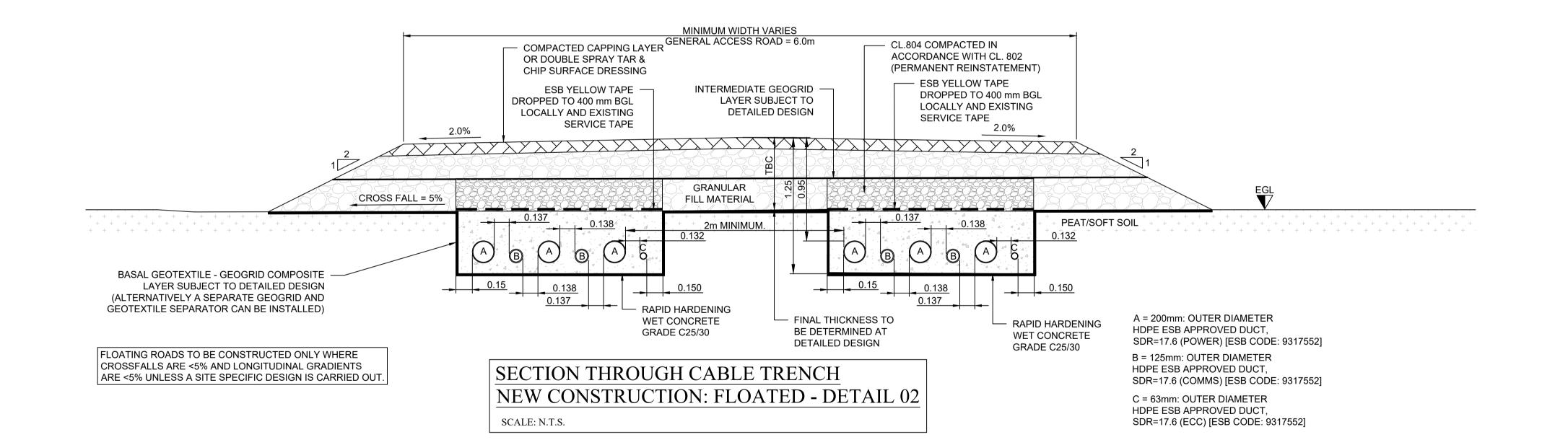
DRAWING TITLE:

ACCESS ROAD STANDARD DETAILS

A1 DATE: 18/12/2023 CHECKED BY: C.E. APPROVED BY: J.O'D.



SCALE: N.T.S.



NOTES:

- . THIS DRAWING IS FOR PLANNING AND ENVIRONMENTAL IMPACT ASSESSMENT PURPOSES AND SHOULD NOT BE USED AS DETAILED DESIGN OR FOR CONSTRUCTION.
- DO NOT SCALE FROM DRAWINGS.

 THE STRENGTH OF THE SUBFORMATION SOILS TO BE
- ASSESSED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION / PLACEMENT OF FILL.
- CONSTRUCTION / PLACEMENT OF FILL.

 DRAINAGE TO BE PROVIDED TO PREVENT WATER DEGRADATION OF THE SUBFORMATION SOILS IN-LINE WITH DRAINAGE STRATEGY.
- 5. BURIED CABLE SPACING TO BE DETERMINED DURING DETAILED DESIGN
- 6. DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

HEALTH & SAFETY:

NO OPERATIVES TO ACCESS ANY UNSUPPORTED TRENCHES. TRENCHES TO BE ADEQUATELY BATTERED BACK OR SUPPORTED WHERE NECESSARY. SAFE TEMPORARY BATTER ANGLES TO BE ASSESSED IN ACCORDANCE WITH CIRIA REPORT 97 "TRENCHING PRACTICE".

REV: S2-P02 DATE: 23/02/24 DRAWN BY: RR CHECKED BY: C.E

DESCRIPTION: UPDATE TO ADDRESS MKO COMMENTS

REV: S2-P01 DATE: 21/12/23 DRAWN BY: EFC CHECKED BY: C.E.

DESCRIPTION: ISSUED FOR INFORMATION



Unit A2,
Nutgrove Office Park,
Rathfarnham,
Dublin 14, D14 X627
Ireland.
T +353 (0)1-2071000
E info@gdgeo.com

www.gdgeo.com

FOR INFORMATION



PROJECT TITLE:

CLONBERNE WIND FARM

DRAWING No: 20021- GDG-ZZ-XX-DR-C-0101

Revision: -S2-P02

DRAWING TITLE:

CABLE TRENCH STANDARD DETAILS

SCALE: N.T.S.

SHEET SIZE: A1

DATE: 21/12/2023

CHECKED BY: C.E.

PAPPROVED BY: J.O'D.

