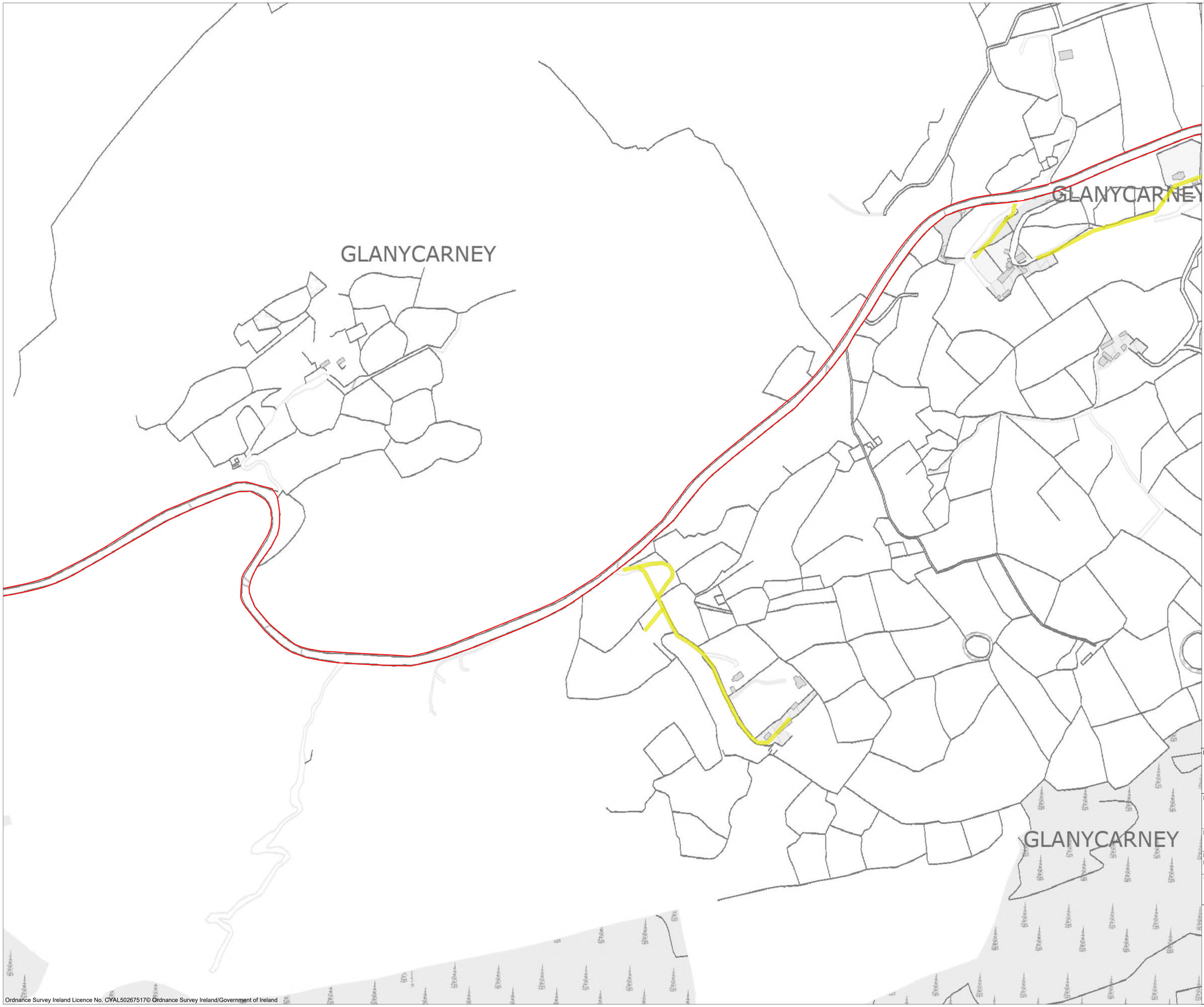
APPENDIX 2

PPROPOSED PROJECT DRAWINGS



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Drawing Legend

- Planning Application Boundary
- Site Notice
- Wayleave

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Location Map Sheet H

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 02h	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:

6454 6455 6456 6457 6458 6459 6493 6494 6495 6496 6497 6498 6531 6533 6532 6534 6535 6536 6567 6566 6568 6569 6570 6571 6601 6597 6596 6598 6599 6600 6631 6626 6627 6628 6629 6630 6661 6656 6657 6659 6658 6660

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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

Temporary Construction Compound 02 Refer to DWG 240225-10

Substation Compound Refer to DWGs 240225-37-240225-41

T13
ITM 507838, 555873
Level - 232m O.D.

T12
ITM 508113, 555660
Level - 246m O.D.

T14
ITM 507383, 555284
Level - 224m O.D.

T11
ITM 508449, 555395
Level - 290m O.D.

Temporary Construction Compound 03 Refer to DWG 240225-11

T9
ITM 509359, 555344
Level - 316m O.D.

T8
ITM 509807, 555268
Level - 376m O.D.

T10
ITM 508872, 555280
Level - 300m O.D.

Met Mast
I.T.M. 509109, 55194
Level - 309m O.D.
Refer to DWG 240225-12

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Location Plan Sheet 1 of 7

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 03.1	1:5,000 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

T1
ITM 512234, 559029
Level - 308m O.D.

T2
ITM 511718, 558777
Level - 290m O.D.

T3
ITM 511969, 558495
Level - 258m O.D.

T4
ITM 510753, 558368
Level - 212m O.D.

T5
ITM 511153, 558170
Level - 276m O.D.

T6
ITM 511548, 557969
Level - 220m O.D.

Temporary Construction Compound 01 Refer to DWG 240225-09

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Location Map Sheet 2 of 7

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 03.2	1:5,000 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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T6
ITM 511548, 557969
Level - 220m O.D.

Level - 276m O.D.

Temporary Construction Compound 01 Refer to DWG 240225-09

33kV IPP Crossing
Refer to DWG 240225-35
For Details

Temporary Construction Compound 02 Refer to DWG 240225-10

Water Course Crossing 01
Refer to DWG 240225-23
For Details

Water Course Crossing 02
Refer to DWG 240225-24
For Details

Substation Compound
Refer to DWGs
240225-37-240225-41

T7
ITM 510300, 555783
Level - 348m O.D.

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Watercourse Crossing
- Security Gates
- Cut
- Fill
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Location Map Sheet 3 of 7

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 03.3	1:5,000 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Water Course Crossing 04
Refer to DWG 240225-26
For Details

Water Course Crossing 03
Refer to DWG 240225-25
For Details

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Location Map Sheet 4 of 7

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 03.4	1:5,000 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Water Course Crossing 05
Refer to DWG 240225-27
For Details

Water Course Crossing 06
Refer to DWG 240225-28
For Details

Water Course Crossing 07
Refer to DWG 240225-29
For Details

Water Course Crossing 08
Refer to DWG 240225-30
For Details

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Location Map Sheet 5 of 7

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 03.5	1:5,000 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan
Sheet 6 of 7

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 03.6	1:5,000 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

Water Course Crossing 09
Refer to DWG 240225-31
For Details

Water Course Crossing 10
Refer to DWG 240225-32
For Details

Water Course Crossing 11
Refer to DWG 240225-33&34
For Details

Existing Dunmanway 110kV Substation

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

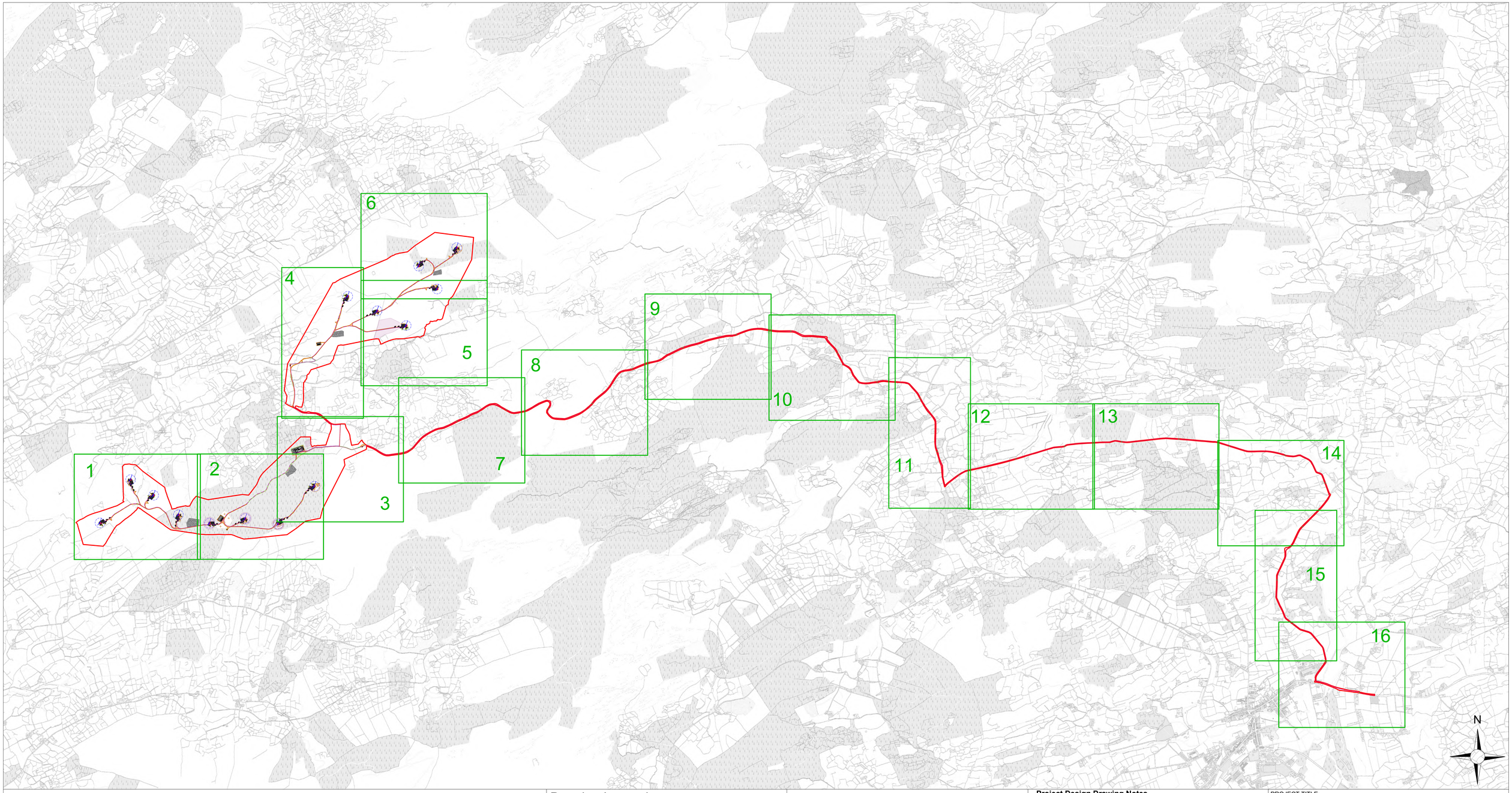
DRAWING TITLE:
Site Layout Plan Sheet 7 of 7

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 03.7	1:5,000 @ A1
DRAWN BY: KD / CHECKED BY: AC	DATE: 24.03.2026	REVISION.: P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Cut
- Fill

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PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Key Plan 1:2500

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04	1:25,000 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No:
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Drawing Legend

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- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

T13
ITM 507799, 555873
Level - 232m O.D.

T12
ITM 508113, 555660
Level - 246m O.D.

T11
ITM 508449, 555395
Level - 290m O.D.

T14
ITM 507383, 555284
Level - 224m O.D.

Refer to DWG 240225 - 05.13
Refer to DWG 240225 - 05.12
Refer to DWG 240225 - 05.11
Refer to DWG 240225 - 05.14

N

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PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan Sheet 1 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.1	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
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- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan Sheet 2 of 16

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 04.2	1:2,500 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 24.03.2026	REVISION.: P01

OS SHEET No.:
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33kV IPP Crossing
Refer to DWG 240225-35
For Details

Temporary Construction
Compound 02 Refer to DWG
240225-10

Substation Compound
Refer to DWGs
240225-37-240225-41

Water Course Crossing_01
Refer to DWG 240225-23
For Details

Joint Bay 1

Security Cabin
Refer to DWG 240225-42
For Details

T7
ITM 510300, 555783
Level - 348m O.D.

Refer to DWG
240225 - 05.7

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Drawing Legend

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- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
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- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Watercourse Crossing
- Security Gates
- Cut
- Fill
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan
Sheet 3 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.3	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

T4
ITM 510753, 558366
Level= 212m O.D.

Refer to DWG 240225 - 05.4

Temporary Construction Compound 01 Refer to DWG 240225-09

Security Cabin Refer to DWG 240225-42 For Details

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan Sheet 4 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.4	1:2,500 @ A1
DRAWN BY: KD / CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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Refer to DWG 240225 - 05.3

T3
ITM 511969, 558466
Level - 258m O.D.

224.6m
219.4m

Refer to DWG 240225 - 05.5

T5
ITM 511153, 558170
Level - 278m O.D.

Refer to DWG 240225 - 05.6

T6
ITM 511548, 557969
Level - 220m O.D.

504.4m
319.2m
383.5m
108.9m
129.9m
172.8m

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Security Gates
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan
Sheet 5 of 16

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 04.5	1:2,500 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 33kV Underground Cable Route
- Watercourse Crossing
- Security Gates
- Cut
- Fill
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan Sheet 6 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.6	1:2,500 @ A1

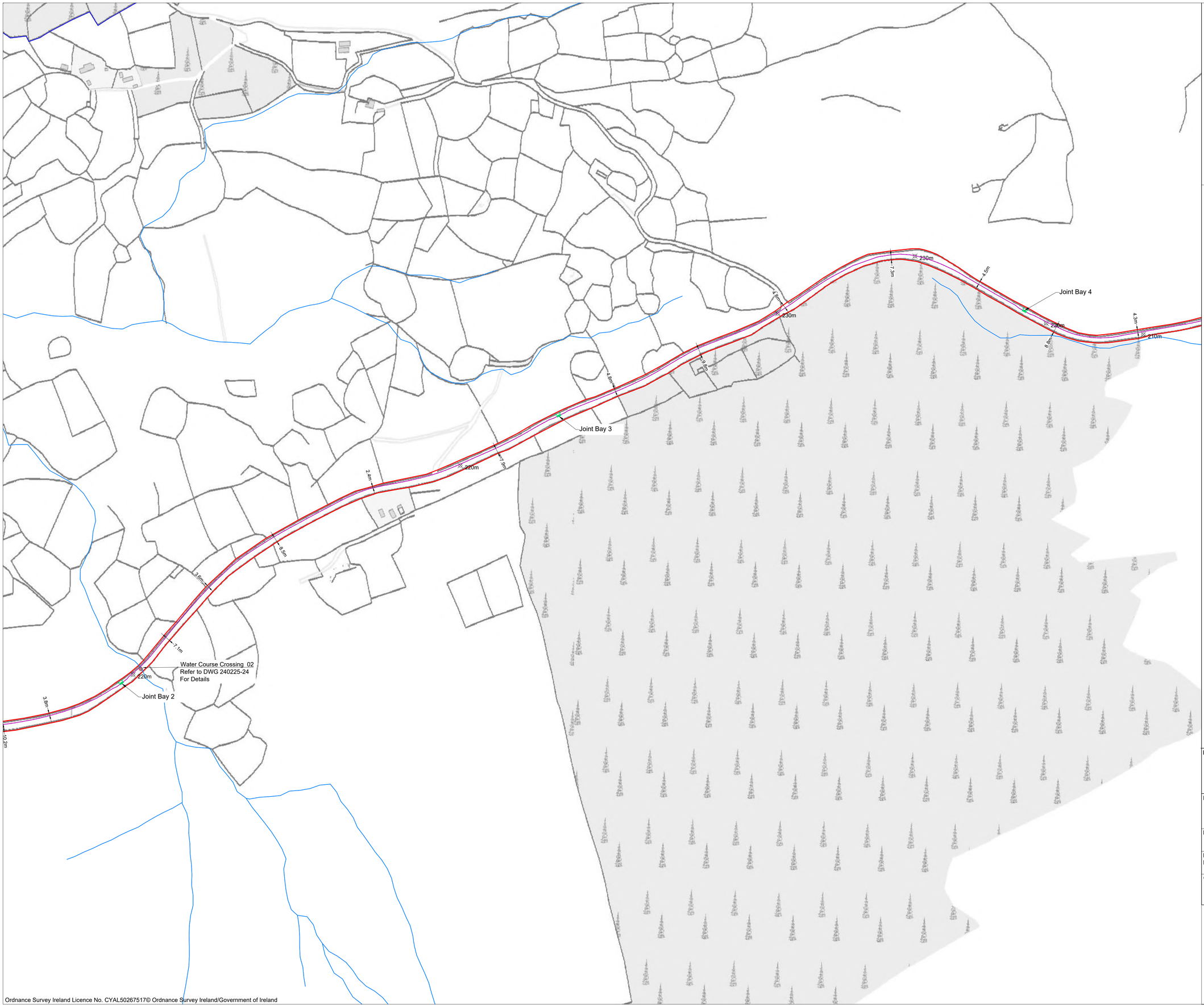
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan Sheet 7 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.7	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan
Sheet 8 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.8	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

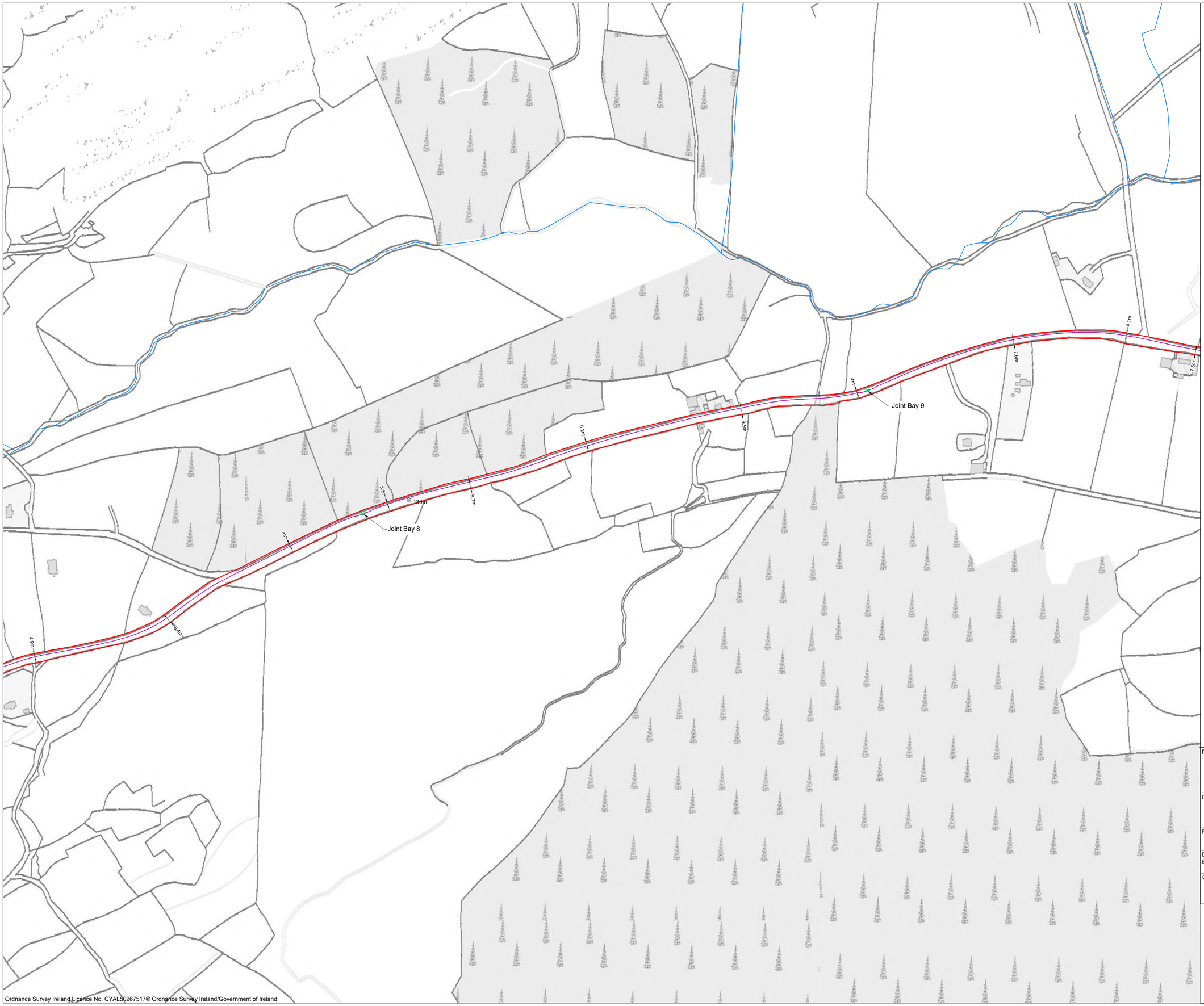
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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan
Sheet 9 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.9	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan
Sheet 10 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.10	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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Drawing Legend

- Planning Application Boundary
- Landowners Boundary
- Site Notice
- Wayleave

3.9m
2m
7.8m
Joint Bay 13
2.5m
9.8m
4.3m
90m
Water Course Crossing_05
Refer to DWG 240225-27
For Details
10.3m
4.1m
6.4m
Joint Bay 14
2.8m
100m
9.6m
3.2m
7m
110m
Joint Bay 15
6.1m
110m
2.7m
5.5m
15.3m
Water Course Crossing_06
Refer to DWG 240225-28
For Details

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

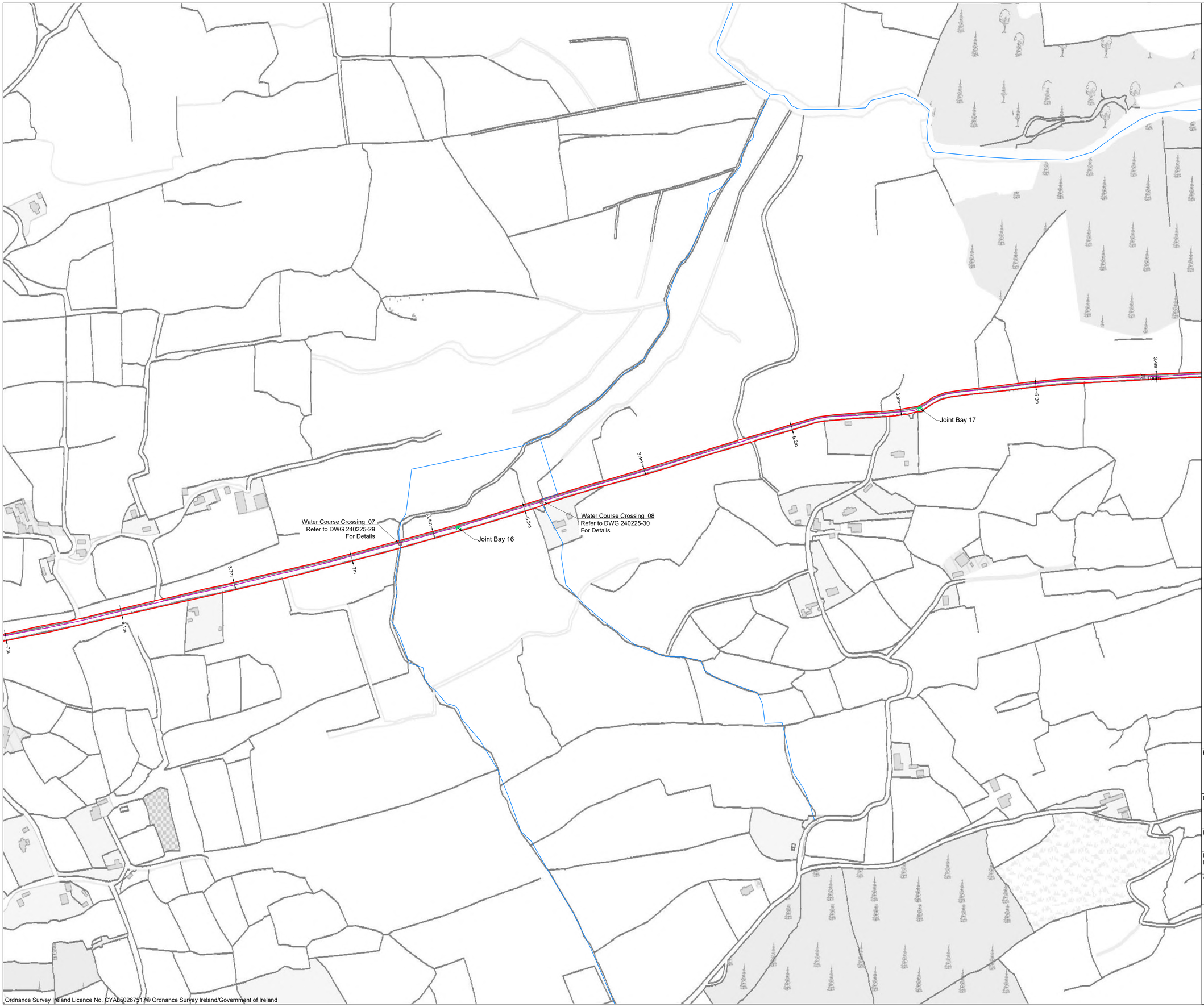
DRAWING TITLE:
Site Layout Plan
Sheet 11 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.11	1:2,500 @ A1
DRAWN BY: KD / CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan
Sheet 12 of 16

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 04.12	1:2,500 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan Sheet 13 of 16

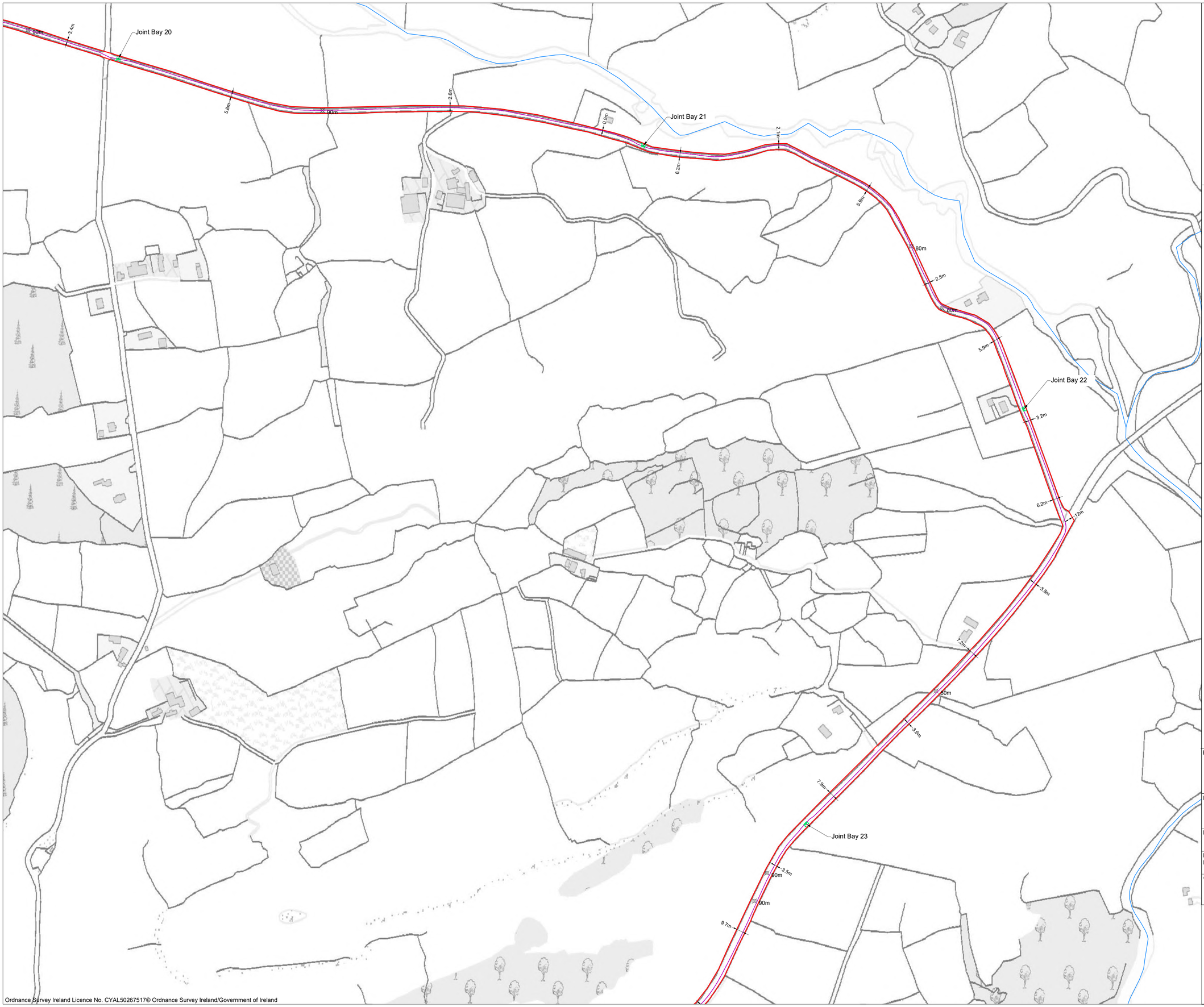
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DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Site Layout Plan
Sheet 14 of 16

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 04.14	1:2,500 @ A1
DRAWN BY: KD	CHECKED BY: AC	DATE: 24.03.2026	REVISION.: P01

OS SHEET No.:

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8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

80m
3.6m
7.9m
Joint Bay 23
3.5m
90m
90m
9.7m
4.6m
25.6m
80m
3.4m
5.7m
1.5m
Joint Bay 24
Water Course Crossing_09
Refer to DWG 240225-31
For Details
6.4m
1.4m
5.6m
70m
1.5m
Joint Bay 25
6.7m
7.2m
3.1m
60m
7.5m
60m
60m
1.8m
7.2m

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan
Sheet 15 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.15	1:2,500 @ A1
DRAWN BY: KD / CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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6.7m
7.2m
3.1m
7.5m
60m
60m
1.8m
7.2m
1.6m
Joint Bay 26
1.9m
4.1m
1.6m
7.8m
Water Course Crossing 10
Refer to DWG 240225-32
For Details
4.1m
Water Course Crossing 11
Refer to DWG 240225-33&34
For Details
60m
19.5m
6.2m
Joint Bay 27
3.2m
70m
Existing
Dunmanway
110kV Substation

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Drawing Legend

- Planning Application Boundary
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay
- Watercourse Crossing
- River/Stream

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Layout Plan Sheet 16 of 16

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 04.16	1:2,500 @ A1

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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Refer to DWG 240225 - 05.1
Refer to DWG 240225 - 05.2
Refer to DWG 240225 - 05.3
Refer to DWG 240225 - 05.4
Refer to DWG 240225 - 05.5
Refer to DWG 240225 - 05.6
Refer to DWG 240225 - 05.7
Refer to DWG 240225 - 05.8
Refer to DWG 240225 - 05.9
Refer to DWG 240225 - 05.10
Refer to DWG 240225 - 05.11
Refer to DWG 240225 - 05.12
Refer to DWG 240225 - 05.13
Refer to DWG 240225 - 05.14

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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Existing Roads to be Upgraded
- Proposed New Roads
- 33kV Underground Cable Route
- River/Stream
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Peat and Spoil Management Areas
- 110kV Underground Cabling Trench
- Underground Cabling Joint Bay

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

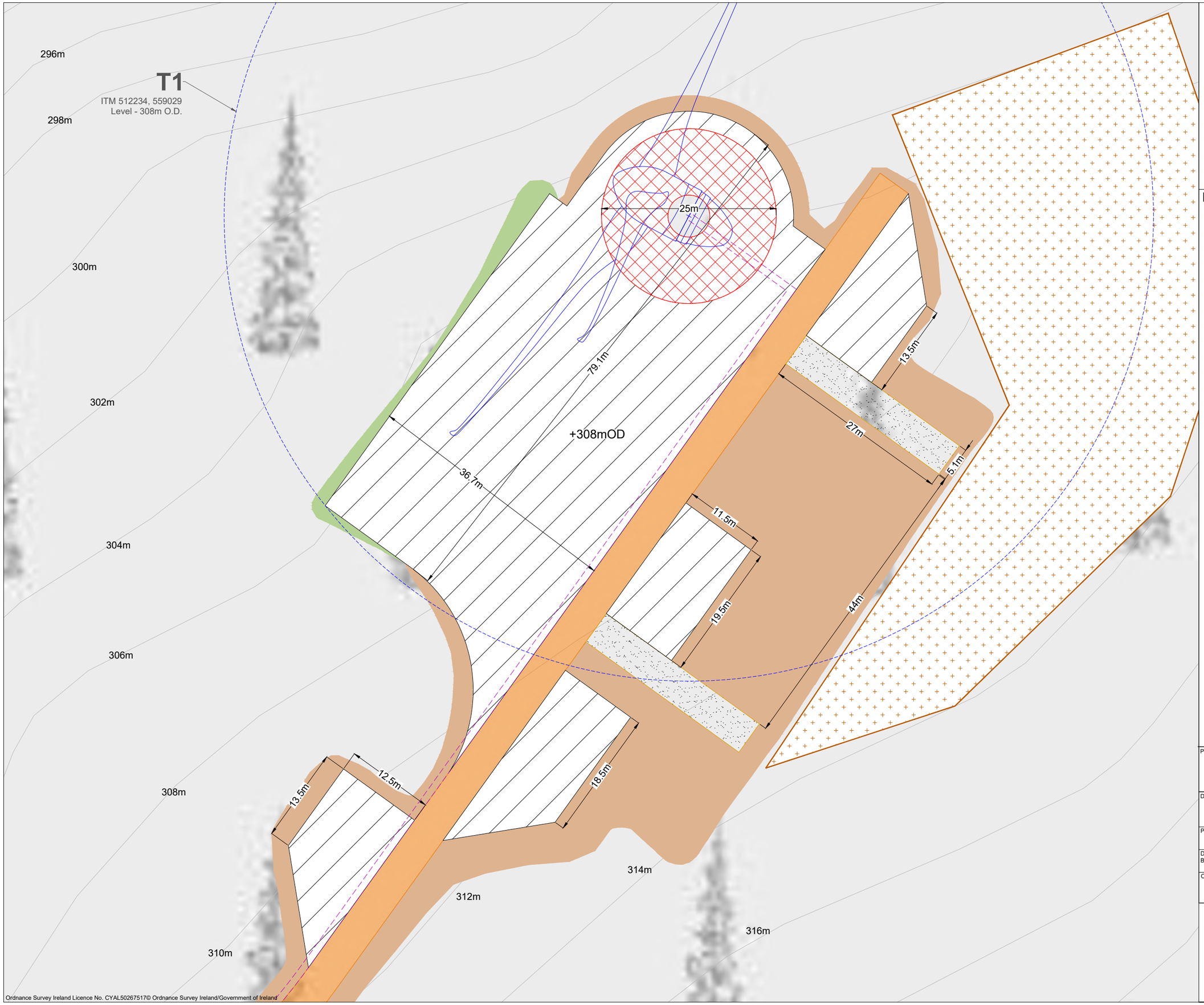
DRAWING TITLE:
Turbine Layout Key Plan

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05	1:15,000 @ A2

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Peat and Spoil Management Areas
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 1 Layout
Sheet 1 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.1	1:500 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

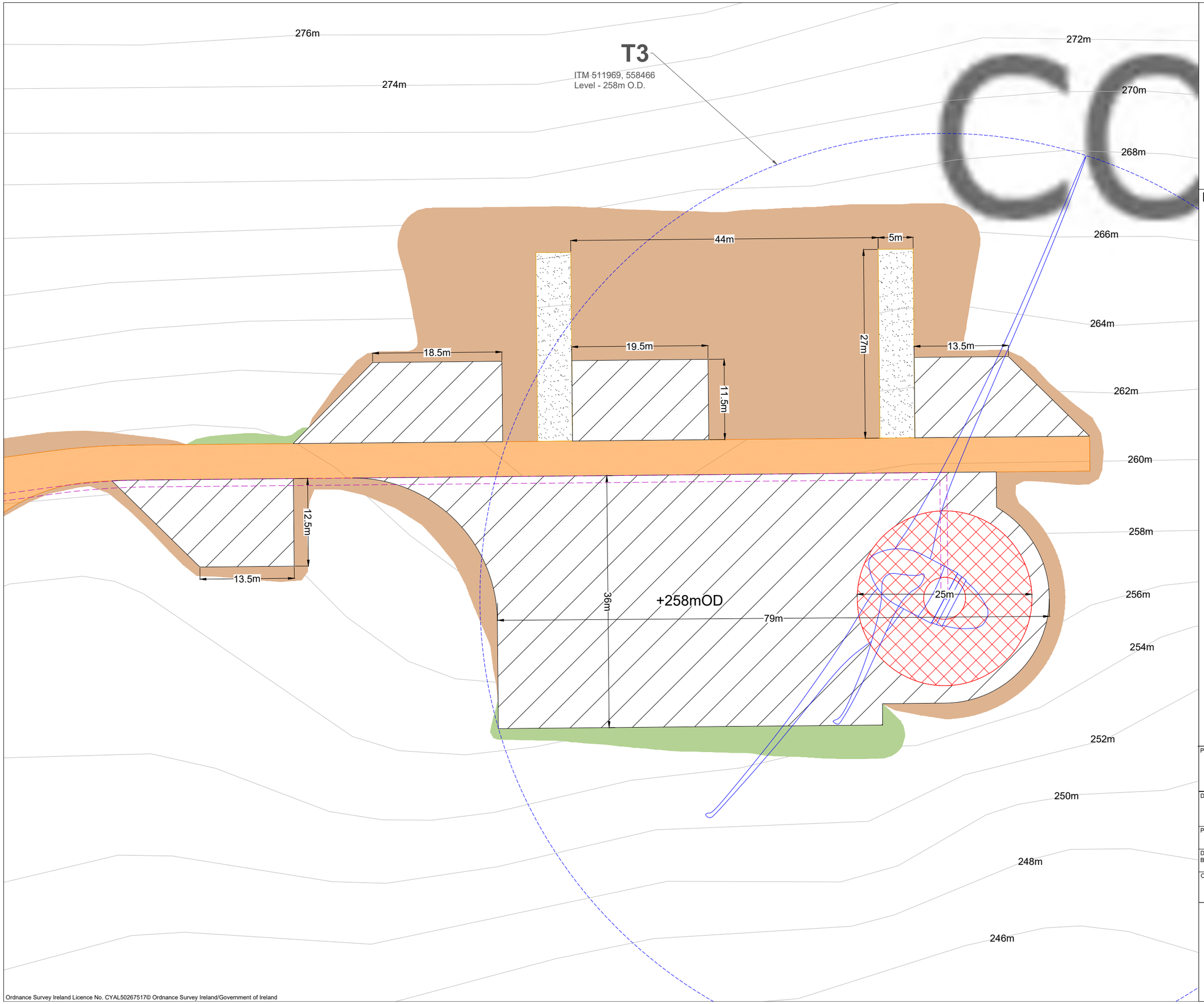
DRAWING TITLE:
Turbine 2 Layout
Sheet 2 of 14

PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 3 Layout
Sheet 3 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.3	1:500 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

196m
198m
200m
202m
204m
206m
208m
210m
212m
214m
216m
218m
220m
222m
224m
226m

+212mOD

13.5m
25m
44m
11.5m
19.5m
5m
27m
79.1m
36m
18.5m
12.5m
13.5m
12.5m
13.5m

T4
ITM 510753, 558366
Level - 212m O.D.

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 4 Layout
Sheet 4 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.4	1:500 @ A2

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

286m
288m
284m
282m
280m
278m
276m
274m
272m
270m
268m
266m
264m
262m
260m

+276mOD

25m
79.1m
36m
13.5m
11.5m
27m
13.5m
19.5m
44m
5m
18.5m
13.5m
12.5m

T5
ITM 511153, 558170
Level - 276m O.D.

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 5 Layout
Sheet 5 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.5	1:500 @ A2

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

246m
244m
242m
240m
238m
236m
234m
232m
230m
228m
226m
224m
222m
220m
218m
216m
214m
212m
210m
208m
206m
204m

T6
ITM 511548, 557969
Level - 220m O.D.

+220mOD

78.5m
36m
25m
13.5m
12.5m
13.5m
12.5m
11.6m
18.5m
19.5m
13.5m
5m
44m

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 6 Layout
Sheet 6 of 14

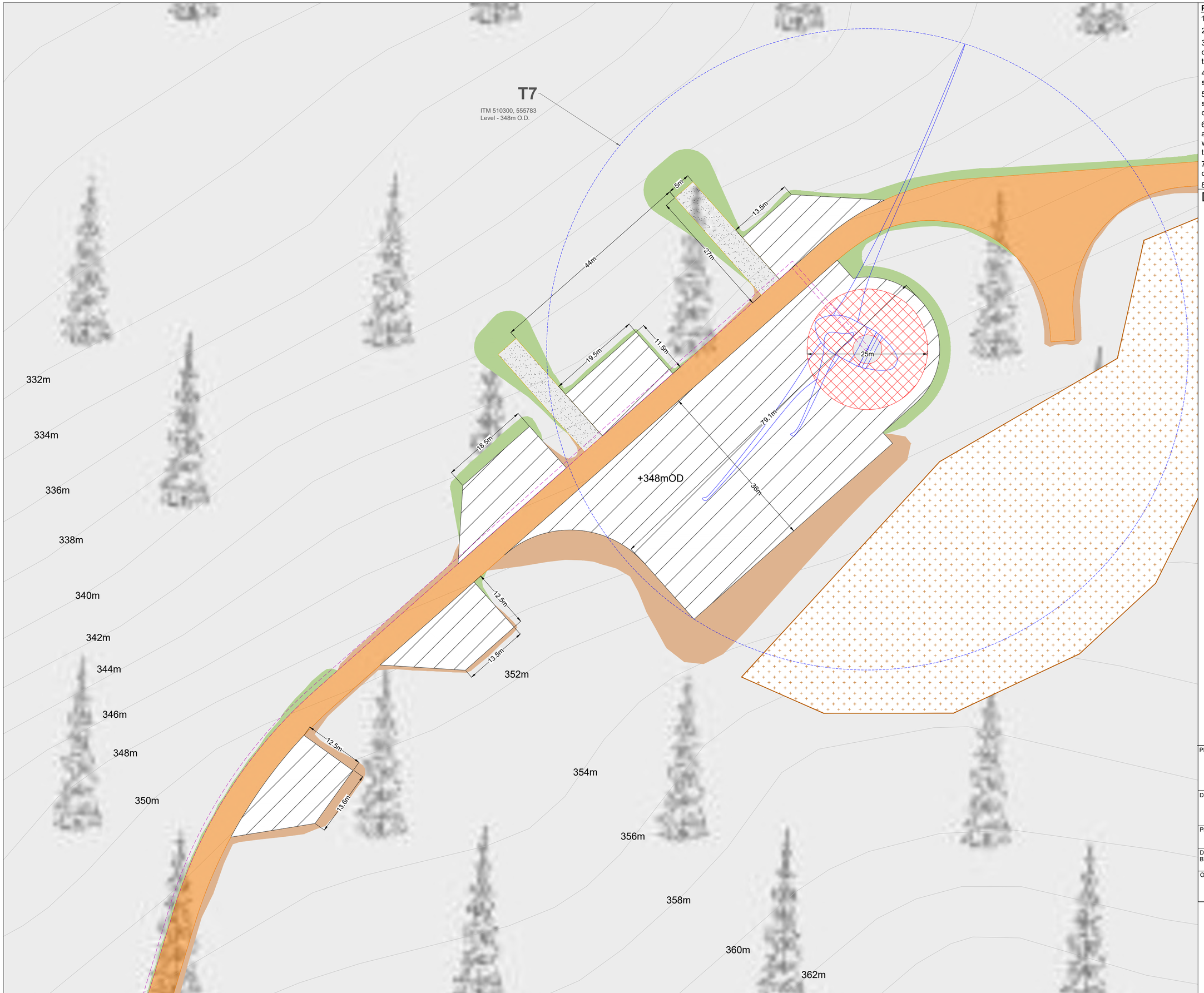
PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Peat and Spoil Management Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

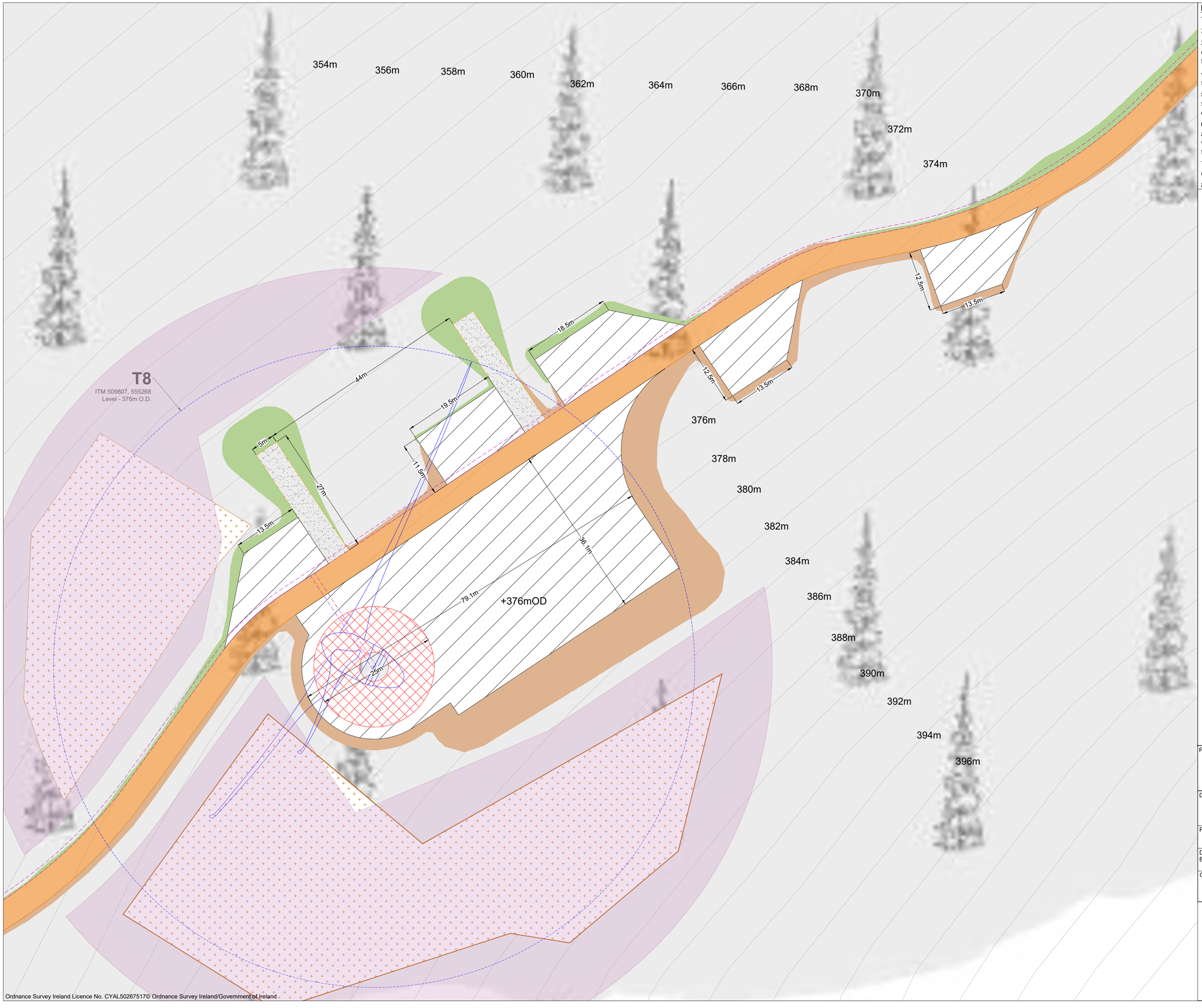
DRAWING TITLE:
Turbine 7 Layout
Sheet 7 of 14

PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- Peat and Spoil Management Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 8 Layout
Sheet 8 of 14

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 05.8	1:500 @ A2
DRAWN BY: KD	CHECKED BY: AC	DATE: 24.03.2026	REVISION.: P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- Peat and Spoil Management Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

302m
304m
306m
308m
310m
312m
314m
316m
318m
320m
322m
324m
326m
328m
330m
332m
334m

+316mOD

79.1m
35.9m
25m
13.5m
21m
19.5m
11.5m
18.5m
44m
5m
13.5m
12.5m
13.5m

T9
ITM 509359, 555344
Level - 316m O.D.

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 9 Layout
Sheet 9 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.9	1:500 @ A2

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- Peat and Spoil Management Areas
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

+300mOD
78.9m
25m
36m
305m
60m
306m
304m
302m
13.5m
12.5m
11.5m
19.5m
18.5m
13.5m
27m
5m
44m
300m
298m
296m
For Site Office and Sta
Facilities Details Refe
to DWG 240225-16

T10
ITM 508872, 555280
Level - 300m O.D.

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 10 Layout
Sheet 10 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.10	1:500 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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T11
ITM 508449, 555395
Level - 290m O.D.

25m
78.9m
+290mOD
36.3m
13.5m
27m
.5m
11.5m
19.5m
44m
18.5m
12.5m
13.5m
12.5m
13.5m

272m
274m
276m
278m
280m
282m
284m
286m
288m
290m
292m
294m
296m
298m
300m
302m
304m
306m
308m

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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

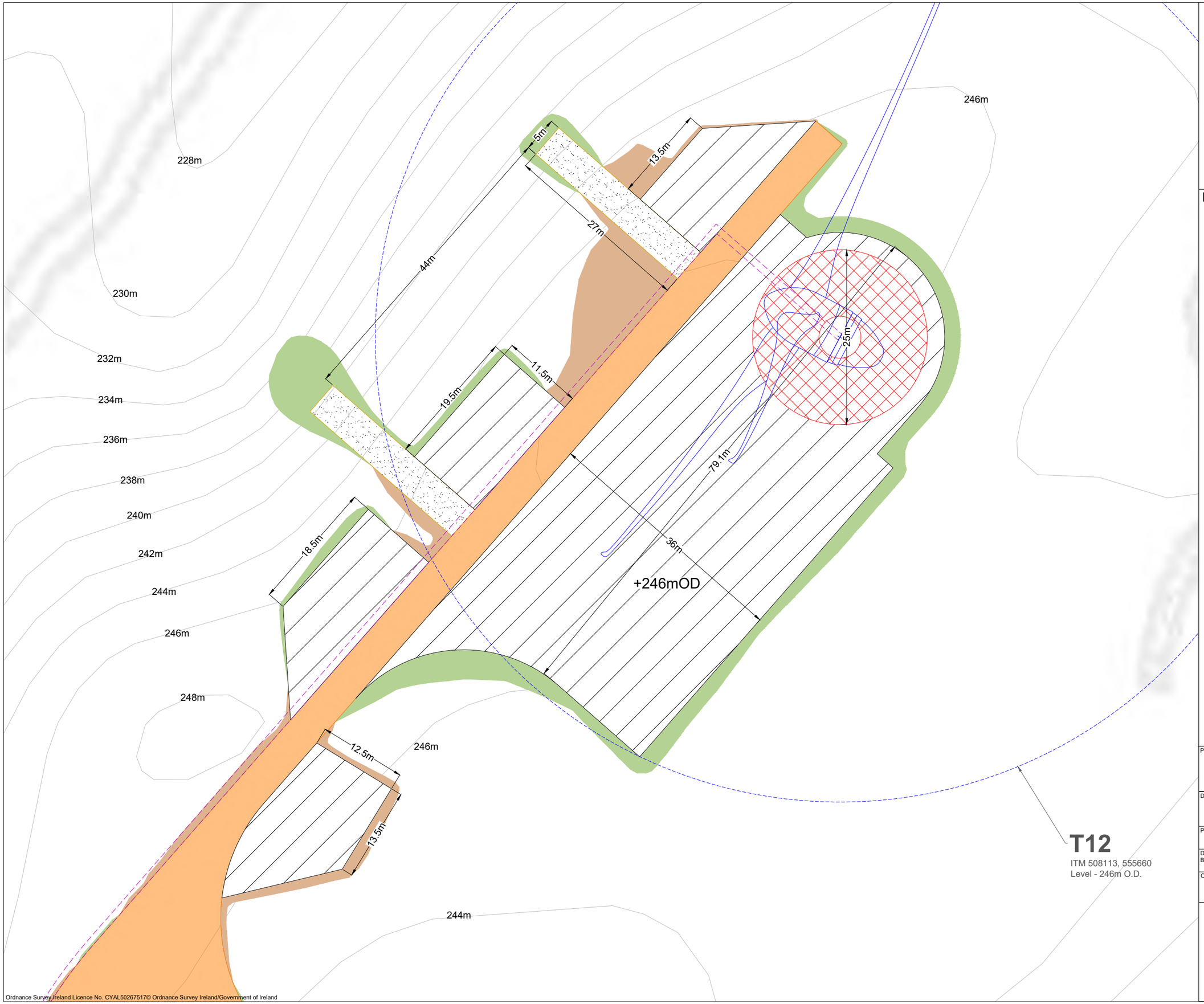
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 11 Layout
Sheet 11 of 14

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 05.11	1:500 @ A2
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 12 Layout
Sheet 12 of 14

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 05.12	1:500 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

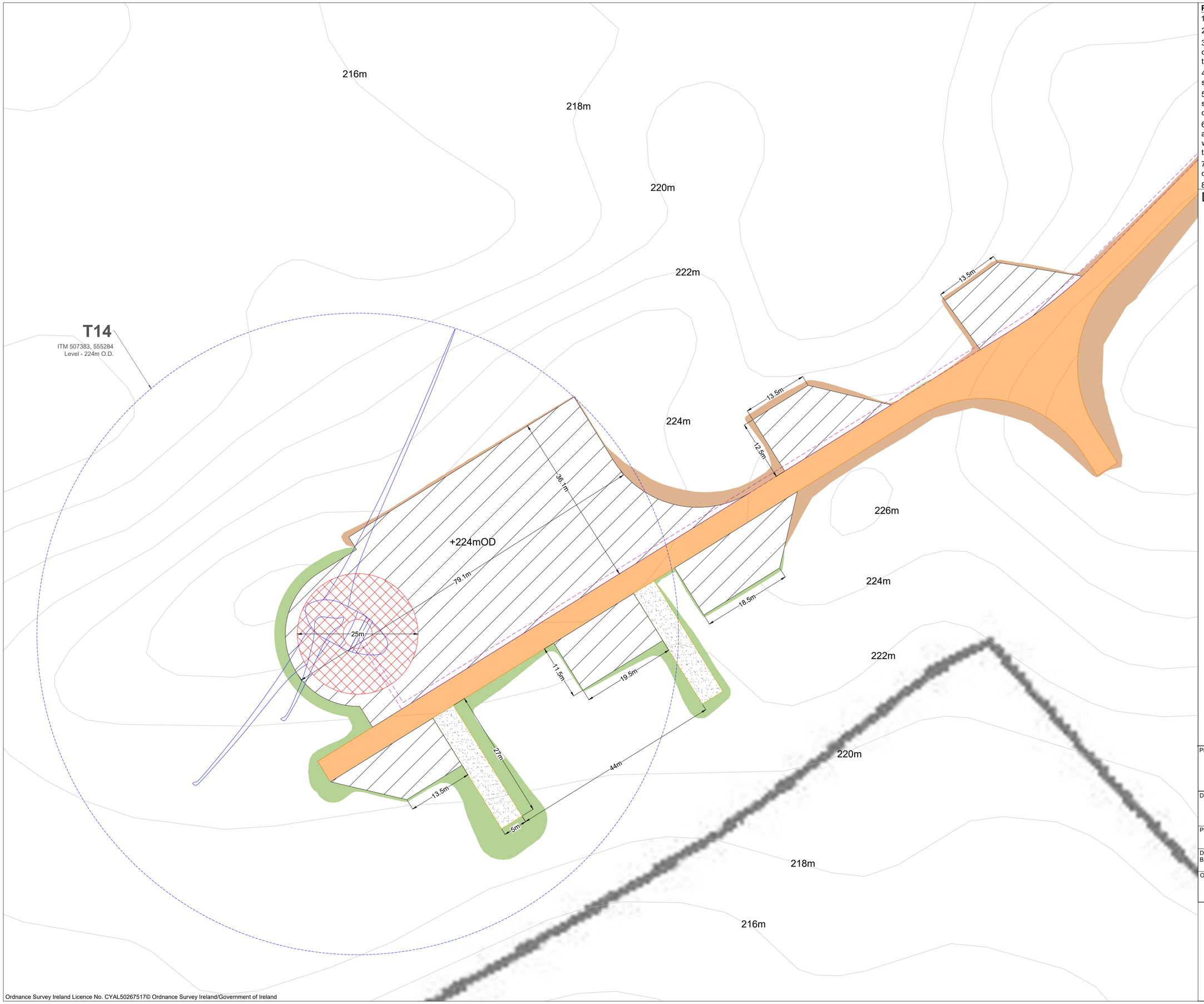
DRAWING TITLE:
Turbine 13 Layout
Sheet 13 of 14

PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- 33kV Underground Cable Route
- Blade Setdown
- Hardstand
- Turbine Foundation
- Turbine Sweep Area
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Turbine 14 Layout
Sheet 14 of 14

PROJECT No.:		DRAWING No.:	SCALE:
240225		240225 - 05.14	1:500 @ A2
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Felling Areas

N

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

Felling Area Plan

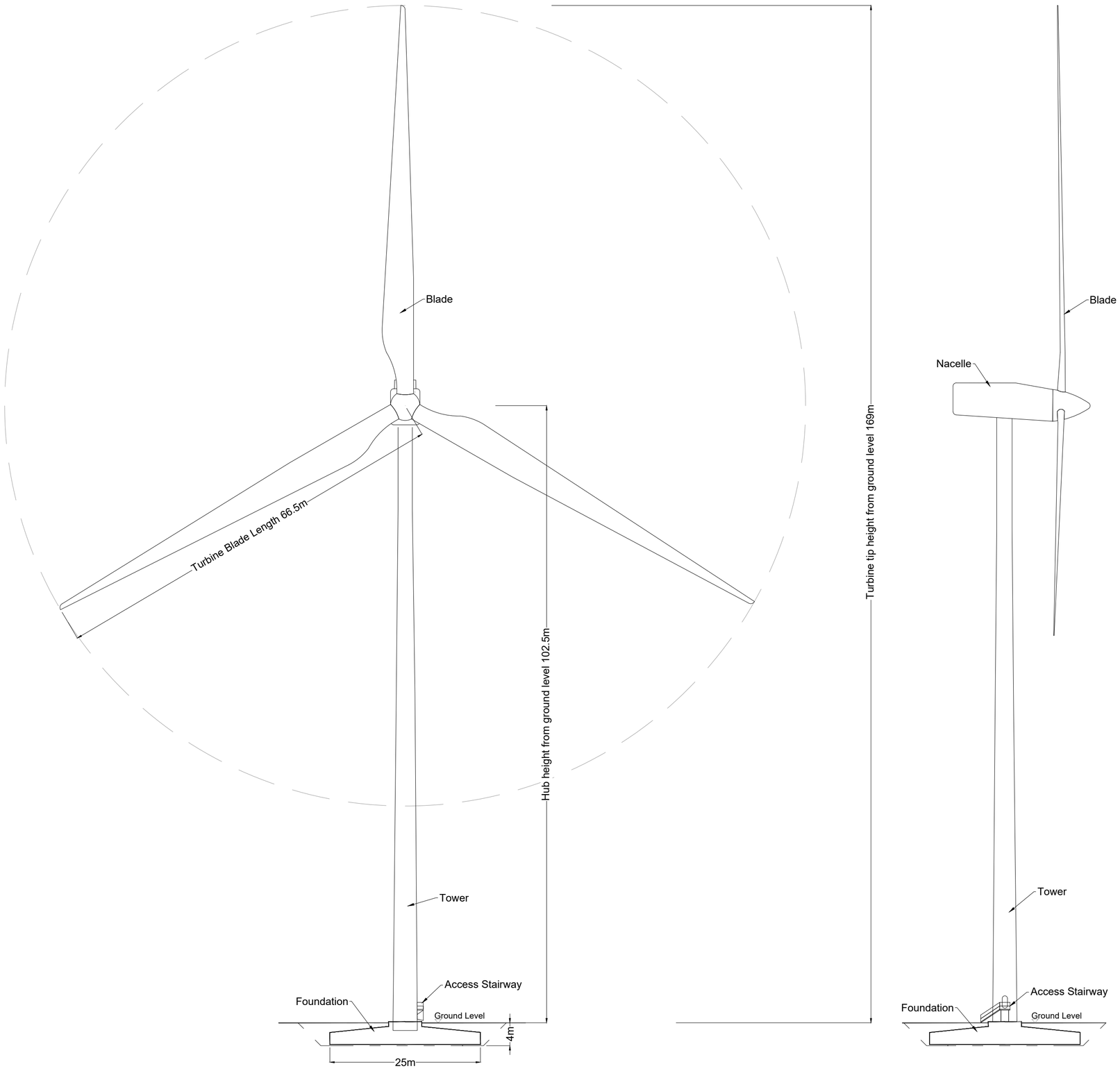
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DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

OS SHEET No.:

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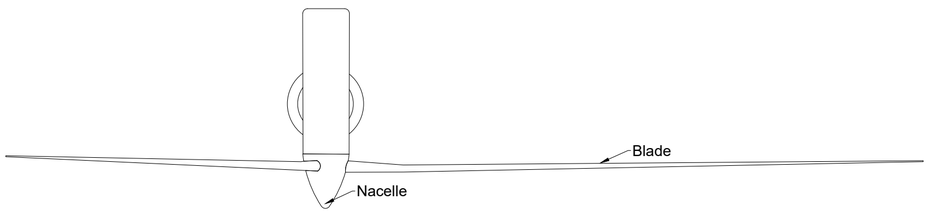
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Front/Sectional Elevation

Side/Section Elevation



Plan

Drawing Notes

1. Proposed wind turbines to have a ground to blade tip height of 169m, blade length of 66.5m and hub height of 102.5m

2. Ground level represents the top of turbine foundation.

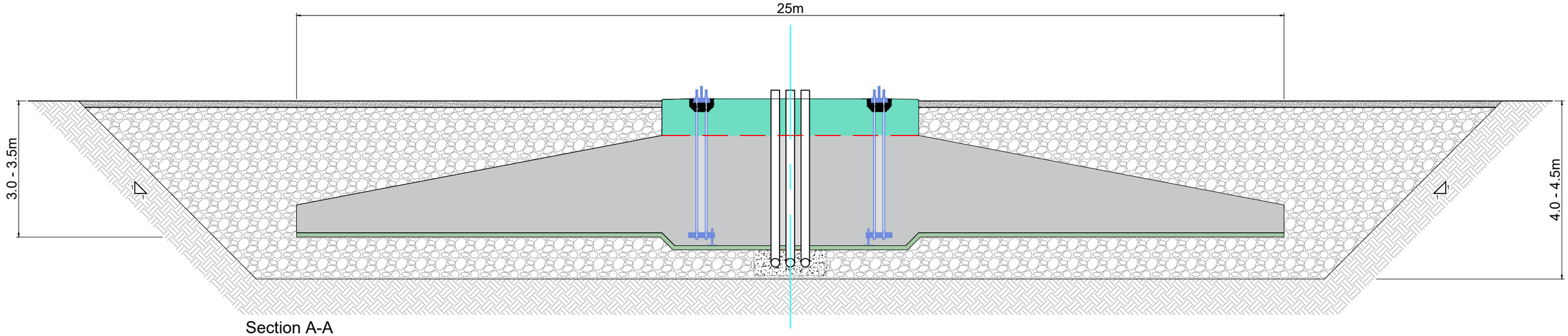
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Wind Turbine Elevations and Plan

PROJECT No.:	DRAWING No.:	SCALE:
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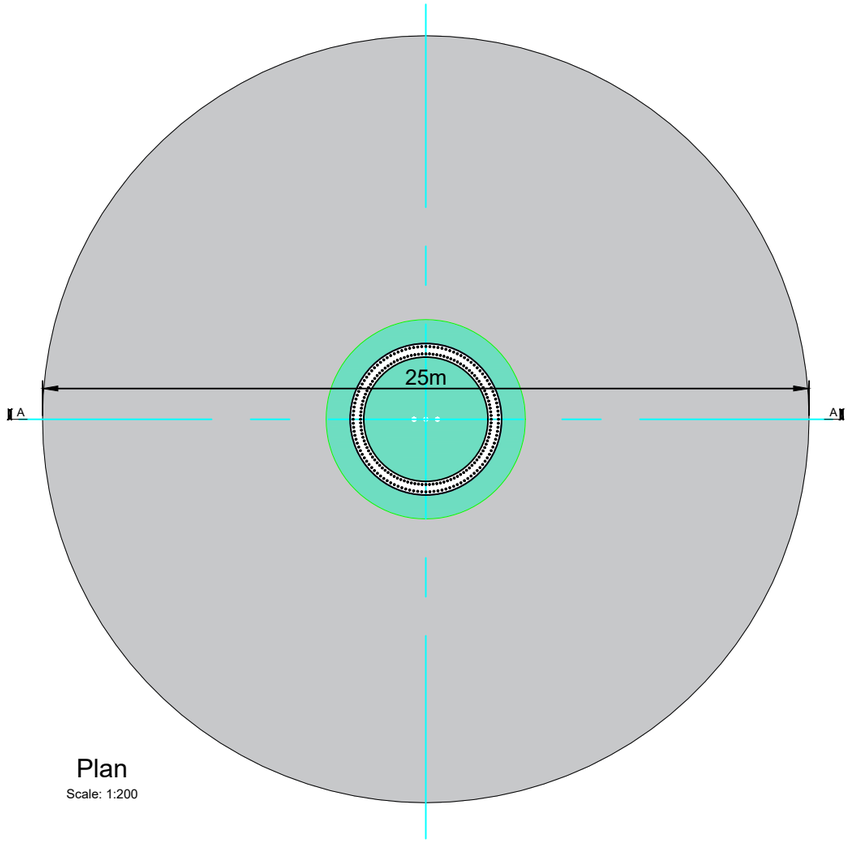
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

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Section A-A

Scale 1:100



Plan

Scale: 1:200

PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Gravity Foundation Details**			
PROJECT No.: **240225**	DRAWING No.: **240225-08**		SCALE: **As shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

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210m

208m

60m

206m

Temporary Construction Compound

206m

Turbine Component / Material Storage
Temporary Parking Area

206m

Staff & Visitor Car Parking

40m

Site Offices & Staff Welfare Facilities

204m

For Site Office and Staff Facilities Details Refer to DWG 240225-16

202m

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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Proposed New Roads
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Temporary Construction Compound 1

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 09	1:250 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Existing Roads to be Upgraded
- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- 110kV Underground Cabling Trench
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Temporary Construction Compound 2

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 10	1:500 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

OS SHEET No.:
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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Existing Roads to be Upgraded
- Proposed New Roads
- 33kV Underground Cable Route
- Enhancement Areas
- Peat and Spoil Management Areas
- Hardstand
- Cut
- Fill

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

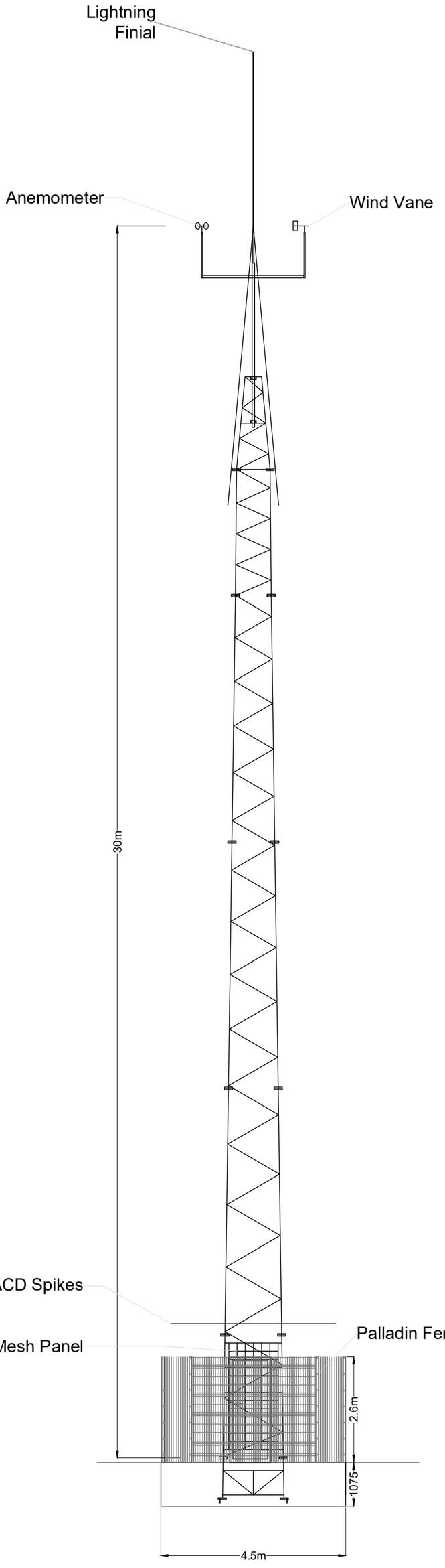
DRAWING TITLE:
Temporary Construction Compound 3

PROJECT No.:	DRAWING No.:	SCALE:
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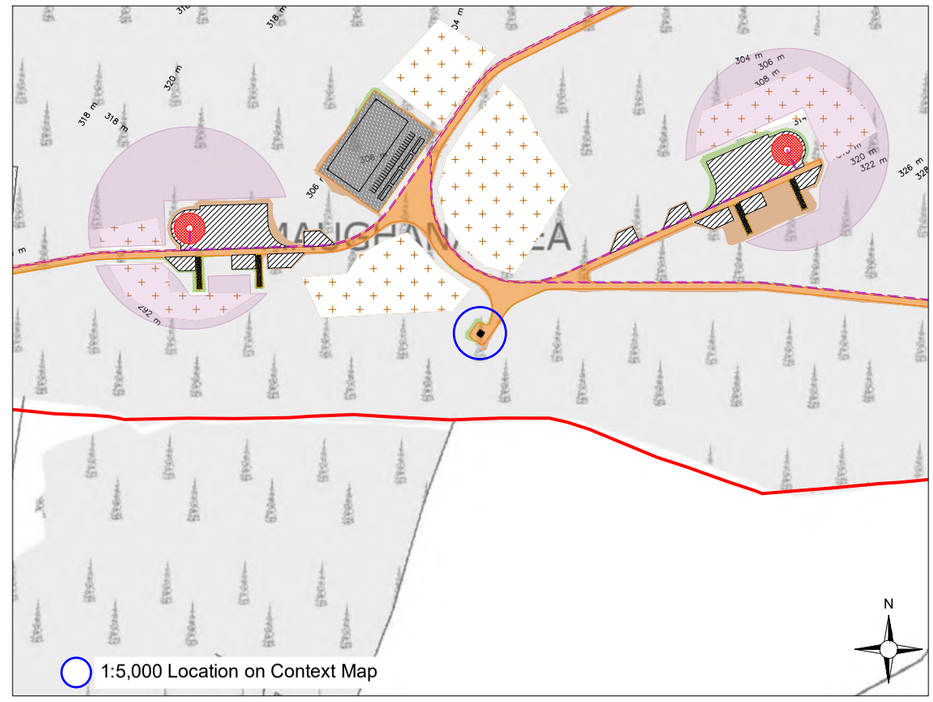
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

OS SHEET No.:
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Mast Elevation
Scale: 1:100





Scale: 1:200

Note:

1. Met Mast exact detail may differ depending on the selected manufacturer.
2. Finished level of the mast to match ground conditions.
3. Mast/foundation orientation to be confirmed with met mast supplier.
4. Earthing and ducting requirements to be confirmed with met mast supplier and forwarded to foundation designer

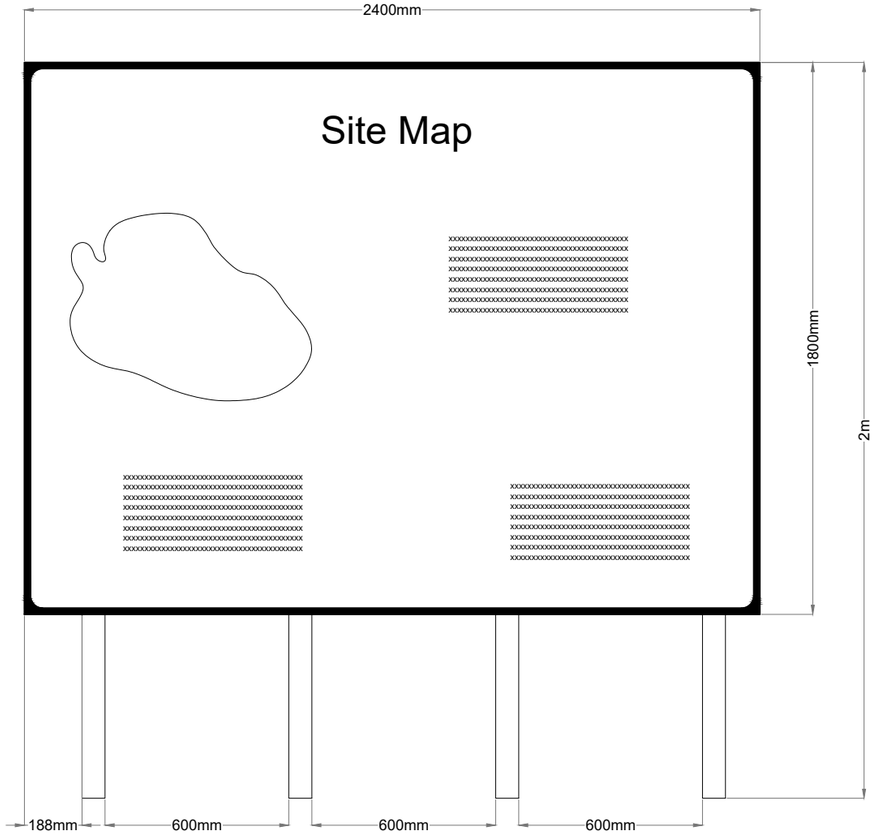
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Metrological Mast

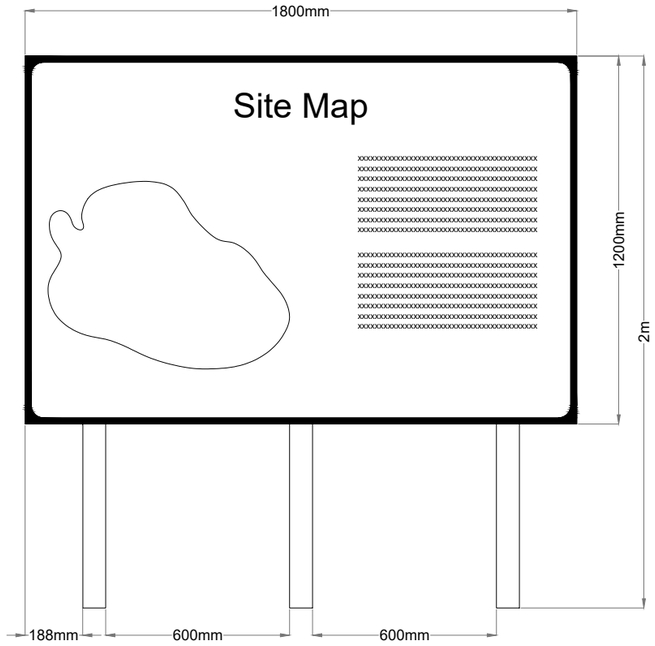
PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY: KD / CHECKED BY: AC	DATE: 24.03.2026	REVISION.: P01

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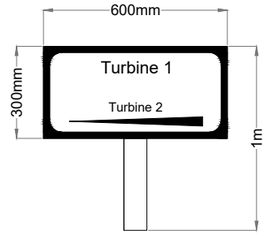
Note
For illustrative purposes only
exact details to be confirmed



Signage Type A - Waypoint Map Signage



Signage Type B -Entry Point Signage

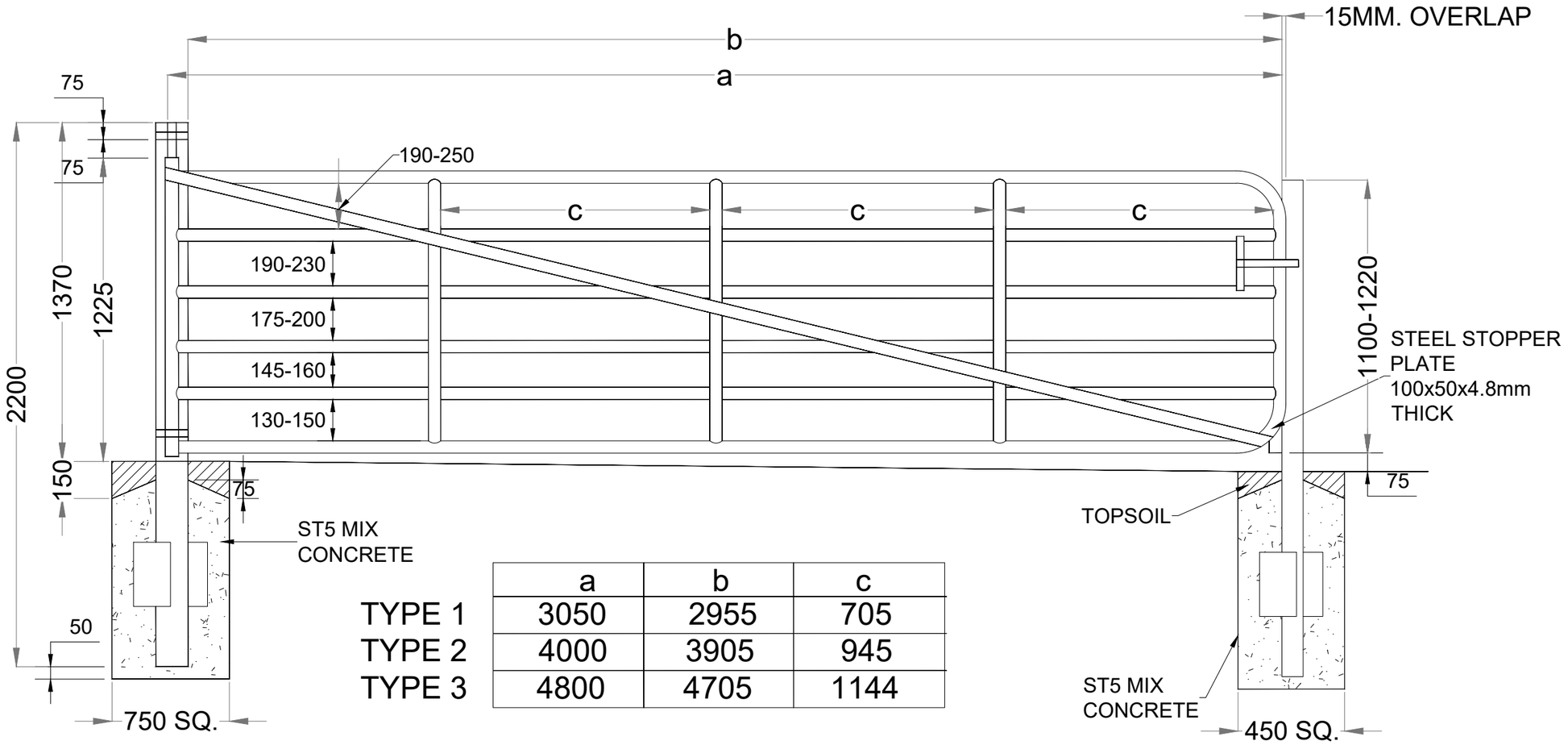


Signage Type C - Way Point Direction Signage

PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Signage Detail**			
PROJECT No.: **240225**		DRAWING No.: **240225-13**	SCALE: **1:20 @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

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All DIMENSIONS IN mm
UNLESS OTHERWISE NOTED



	a	b	c
TYPE 1	3050	2955	705
TYPE 2	4000	3905	945
TYPE 3	4800	4705	1144

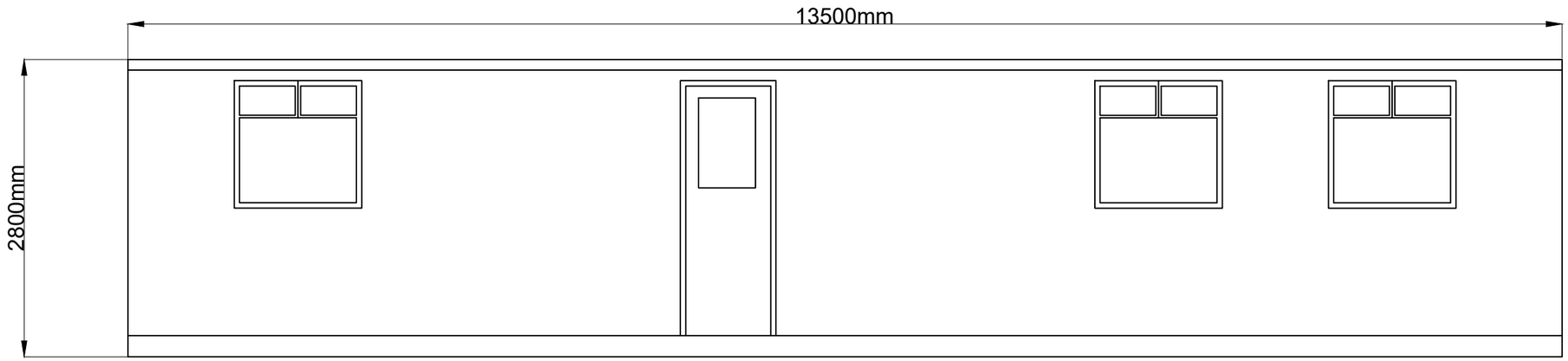
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Field Gate Detail

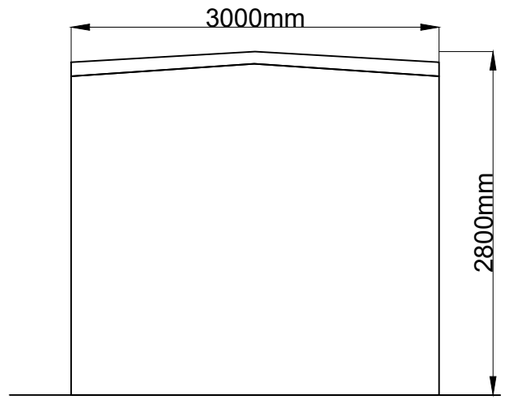
PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

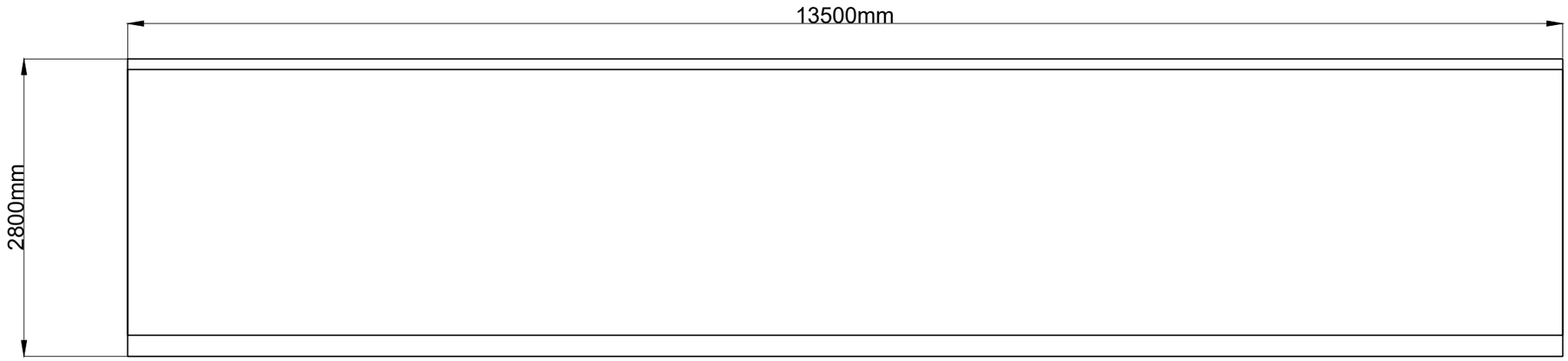
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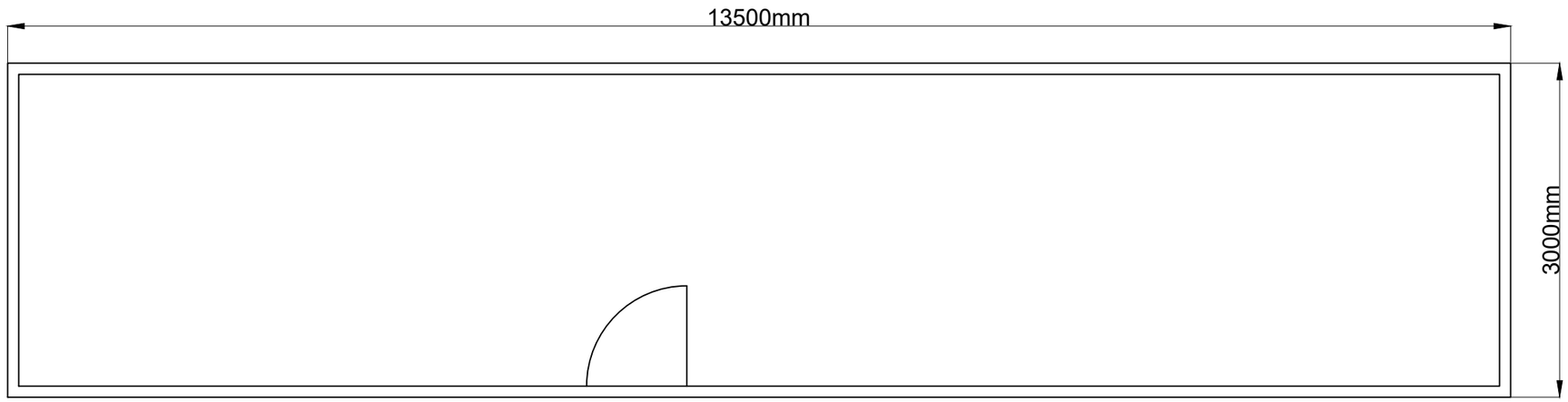
FRONT ELEVATION



SIDE ELEVATION



REAR ELEVATION



PLAN VIEW

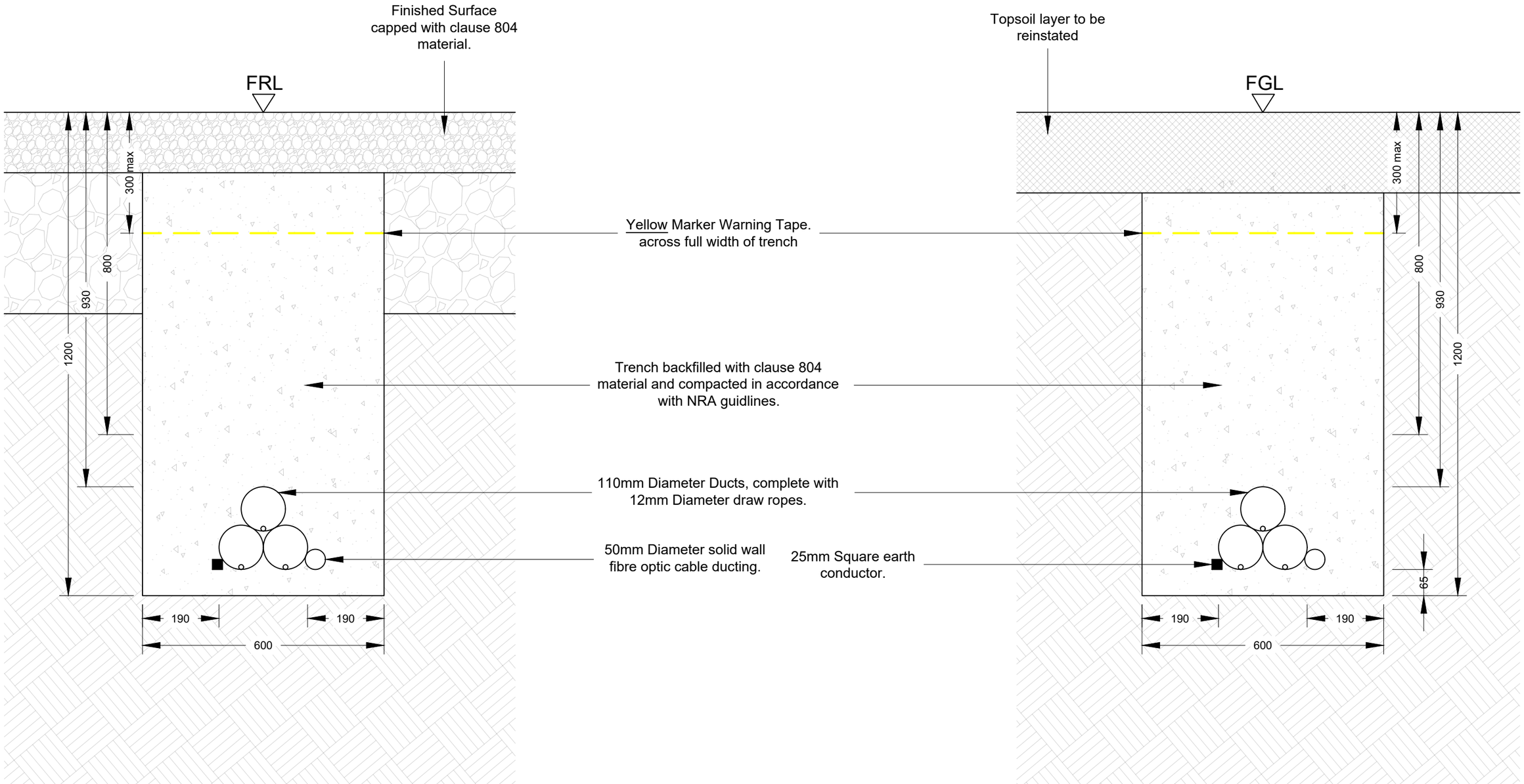
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Site Office & Staff Facilities Detail

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-15	1:50 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

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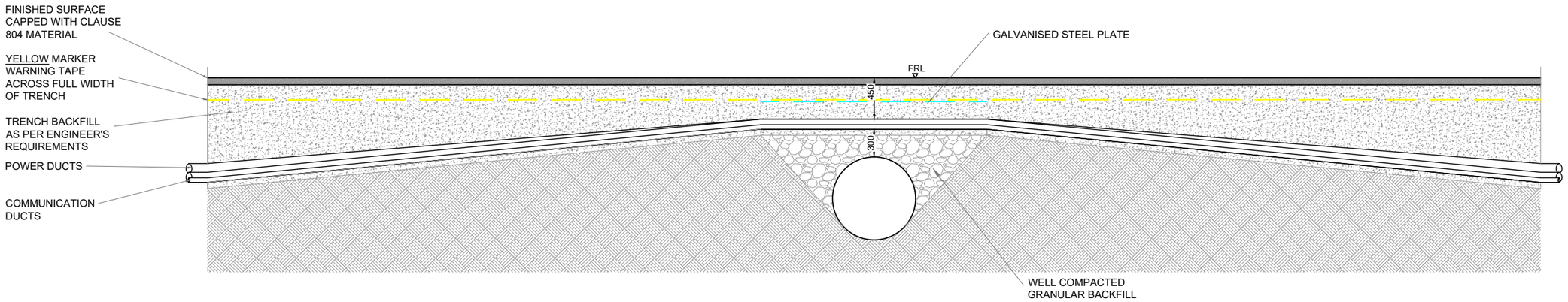


33kV Cable - On Road Trench Detail - Cross Section

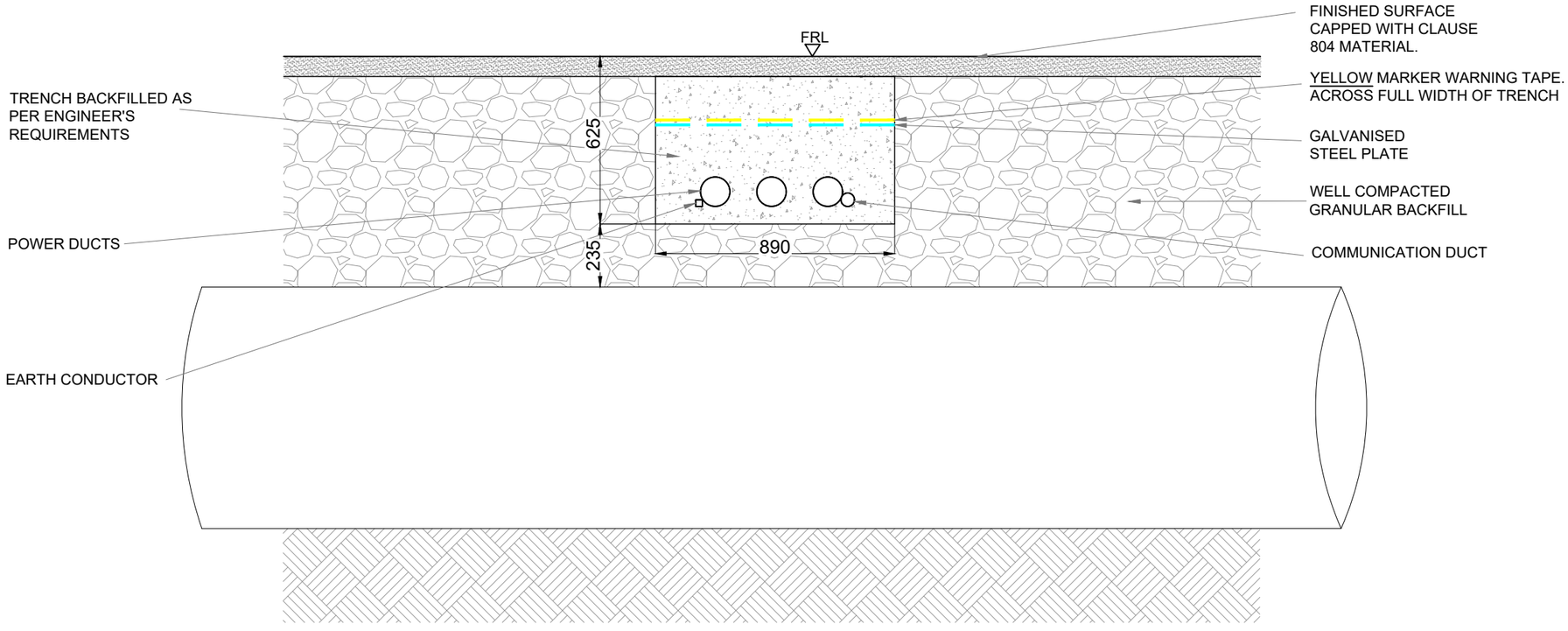
33kV Cable - Off Road Trench Detail - Cross Section

PROJECT TITLE: Maughanaclea Renewable Energy Development Co.Cork			
DRAWING TITLE: 33kV Cable Trench Sections			
PROJECT No.: 240225		DRAWING No.: 240225-16	SCALE: 1: 10 @ A3
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

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Culvert Crossing - Longitudinal Section
SCALE 1:50



Culvert Crossing - Cross Section
SCALE 1:20

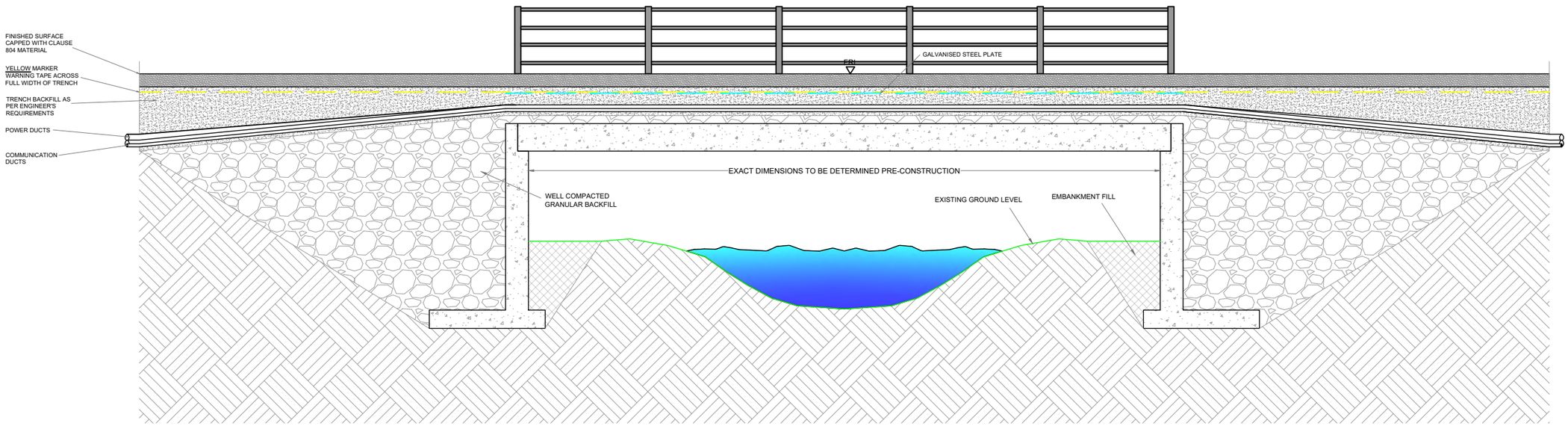
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Standard 33kV Culvert Crossing

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-17	As Shown @ A3

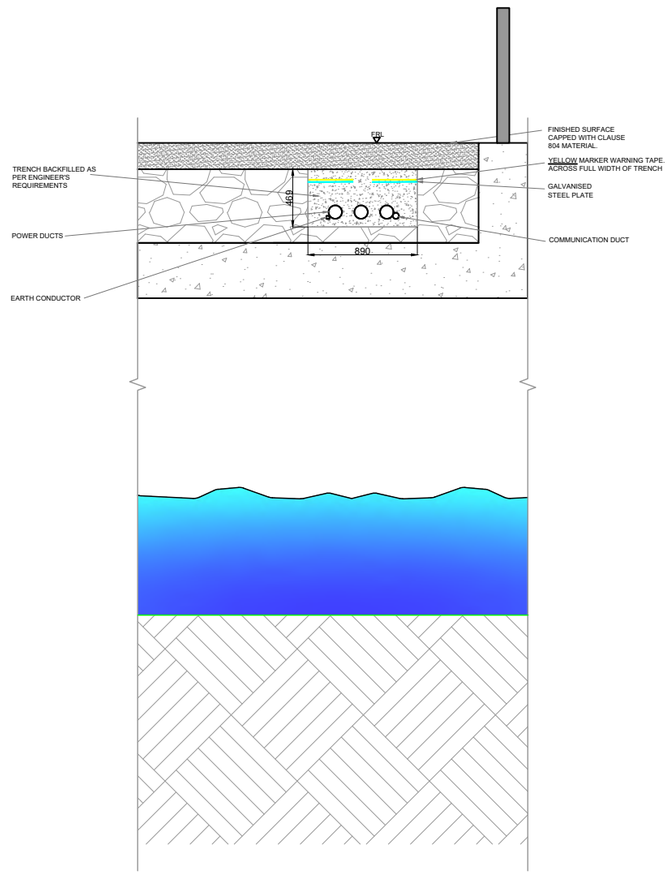
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

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Clear Span Watercourse Crossing - Longitudinal Section

SCALE: 1:75



Clear Span Watercourse Crossing - Cross Section

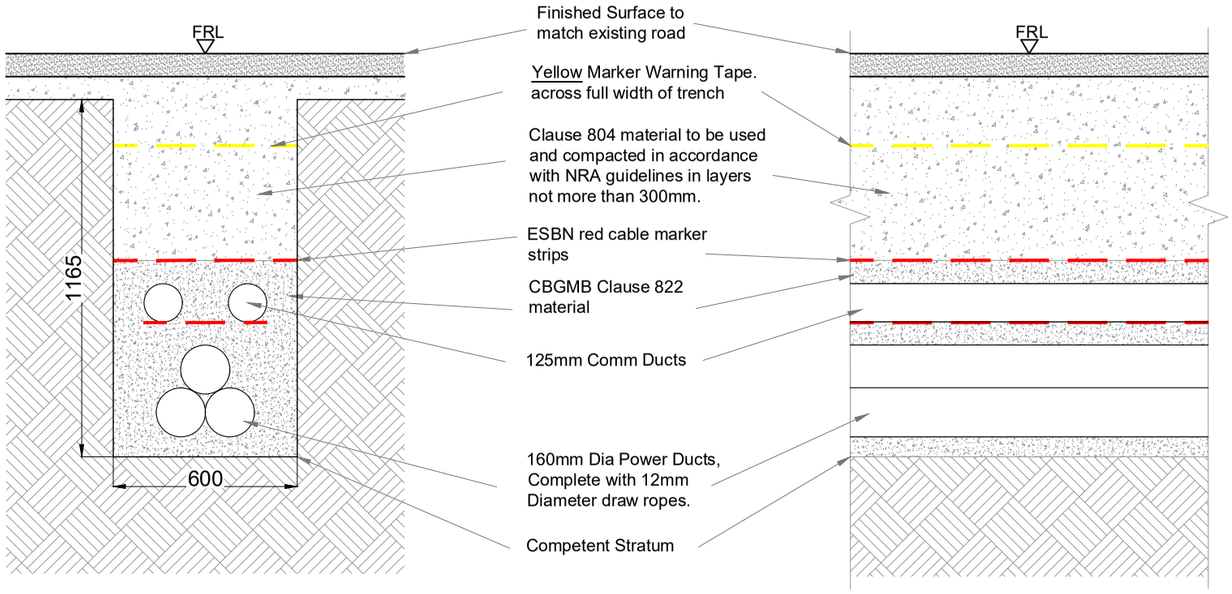
SCALE: 1:50

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Standard 33kV Clear Span Watercourse Crossing

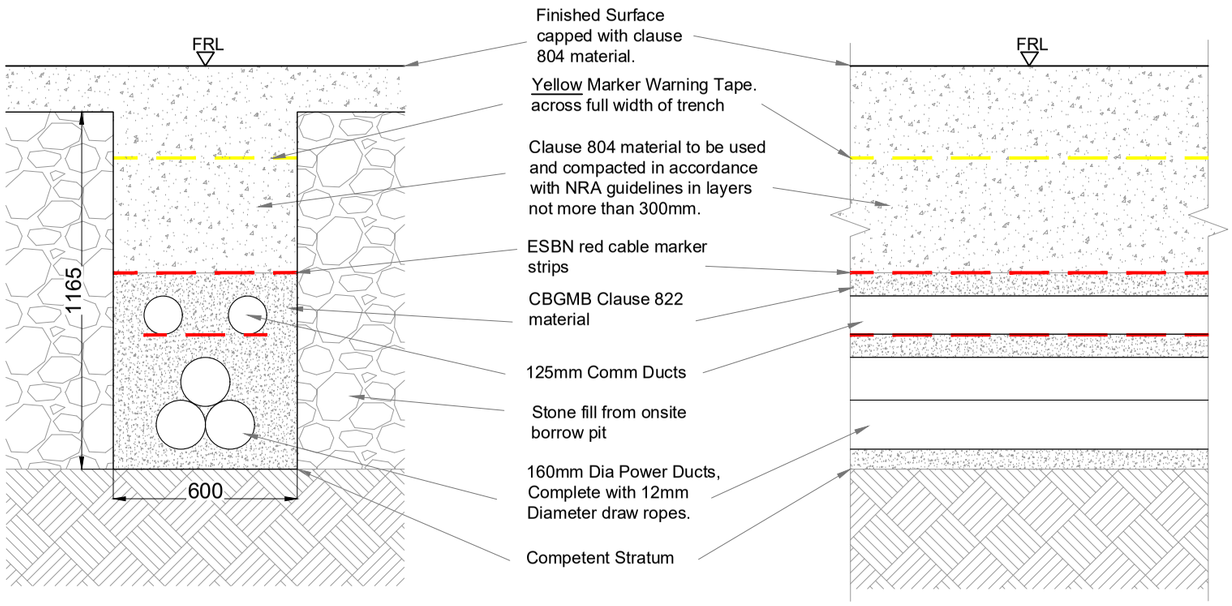
PROJECT No.:		DRAWING No.:	SCALE:
240225		**240225-18**	**As Shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

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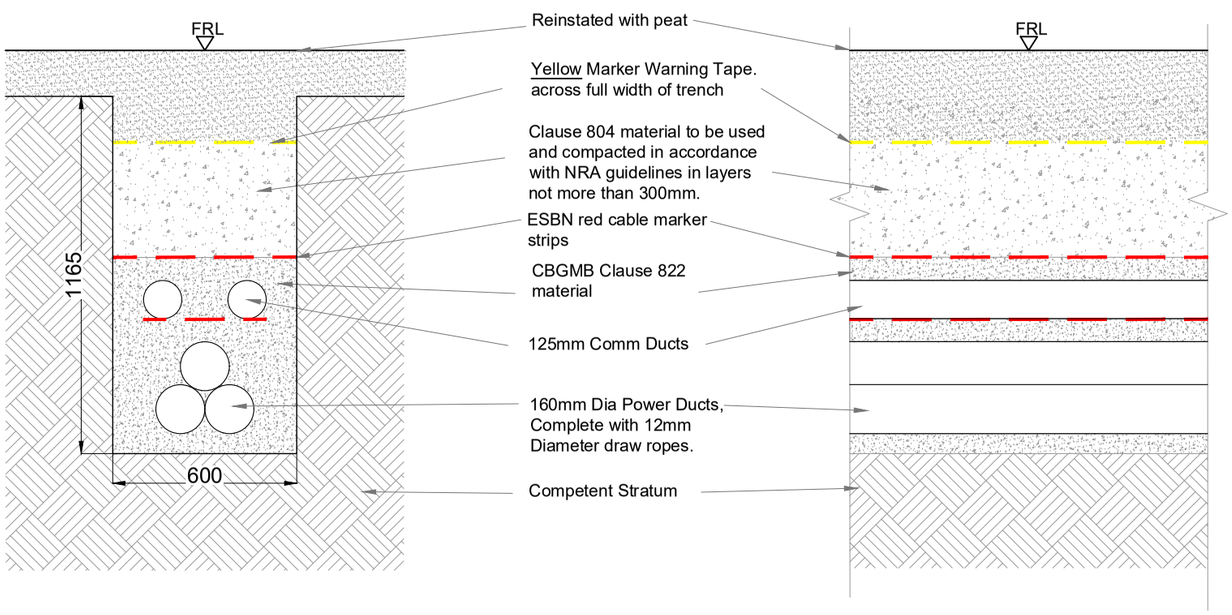
Option A - Standard Cross Section - 110kV

SCALE 1:20



Option A - Standard Cross Section - 110kV

SCALE 1:20

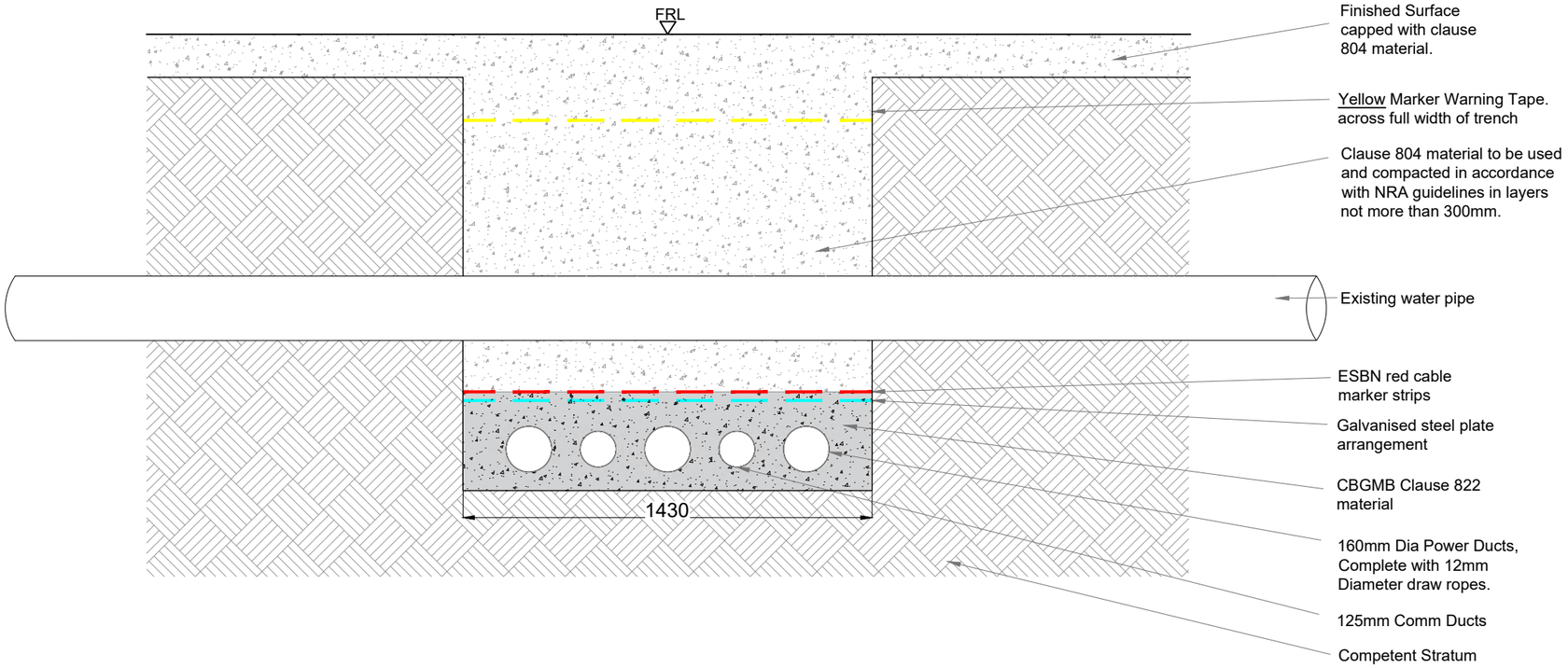


Option A - Standard Cross Section - 110kV

SCALE 1:20

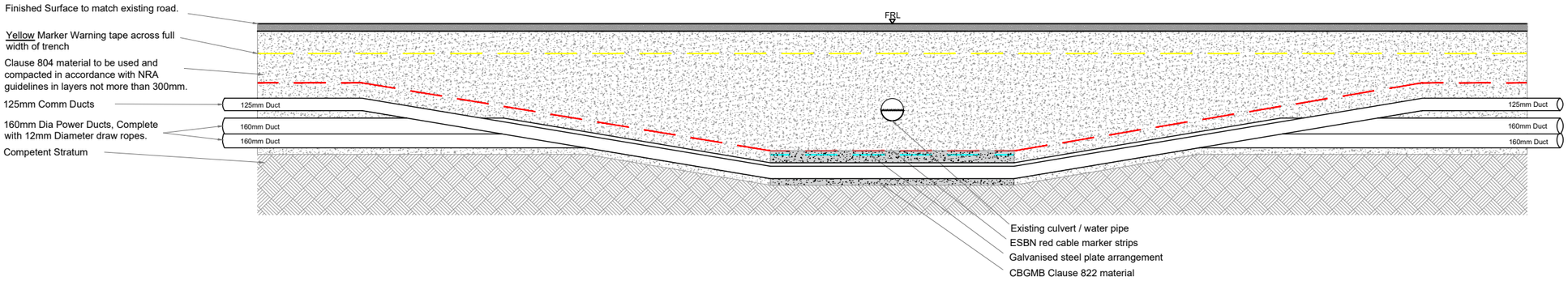
PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Option A - Standard 110kV Trench Detail In Road**			
PROJECT No.: **240225**		DRAWING No.: **240225-19**	SCALE: **As Shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **24.03.2026**	REVISION.: P01

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Option B - Flat Bed Under Existing Pipe - 110kV

SCALE 1:20



Option B - Flat Bed Under Existing Pipe - 110kV

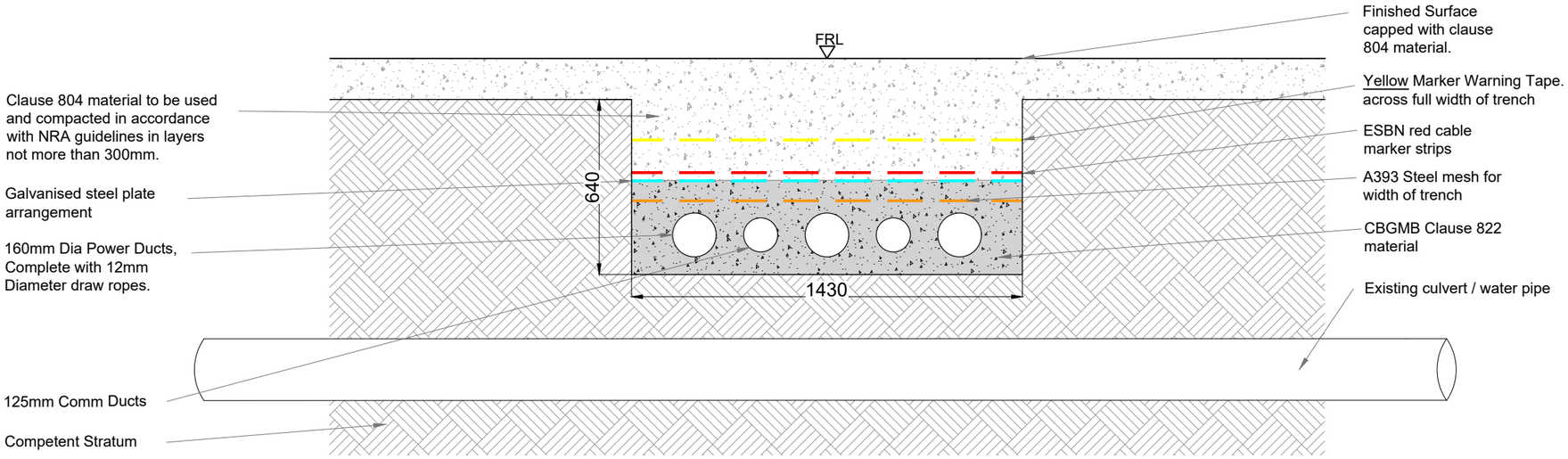
SCALE 1:50

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Option B - Flat bed under existing pipe - 110kV

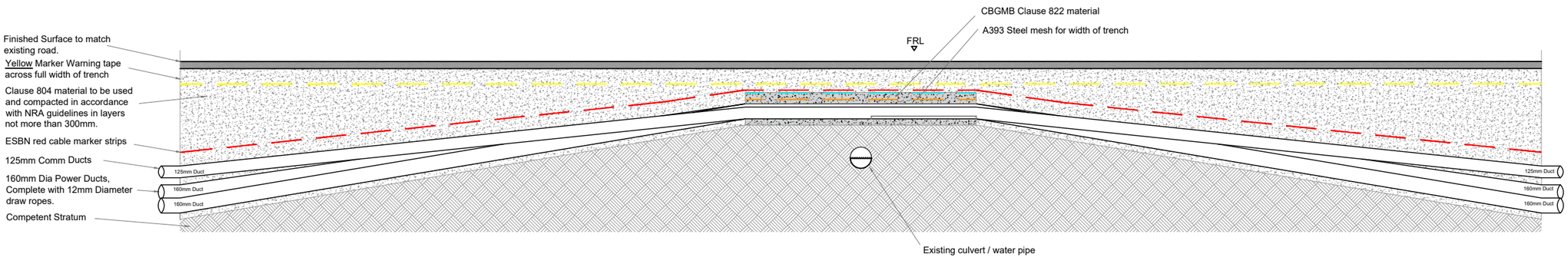
PROJECT No.:		DRAWING No.:	SCALE:
240225		240225-20	As Shown @ A3
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



Option C - Flat Bed Over Existing Pipe - 110kV

SCALE 1:20



Option C - Flat Bed Over Existing Pipe - 110kV

SCALE 1:50

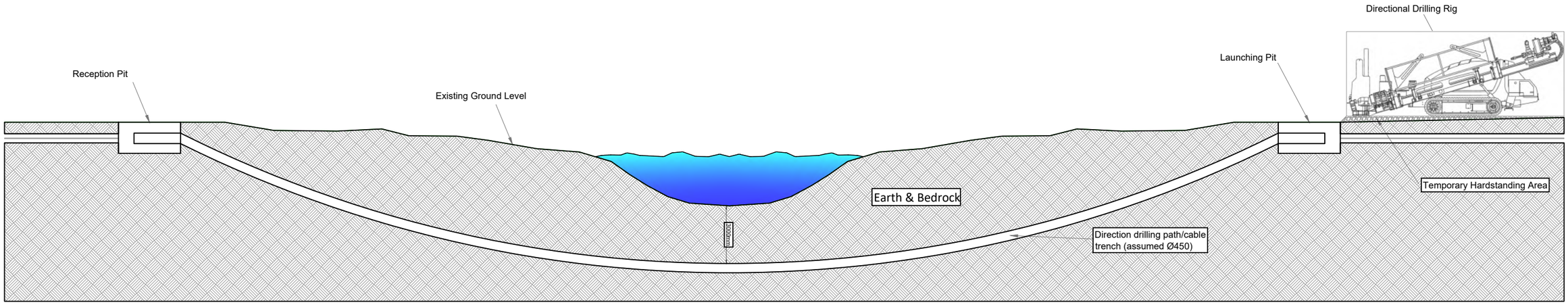
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Option C - Flat bed over existing pipe - 110kV

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-21	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



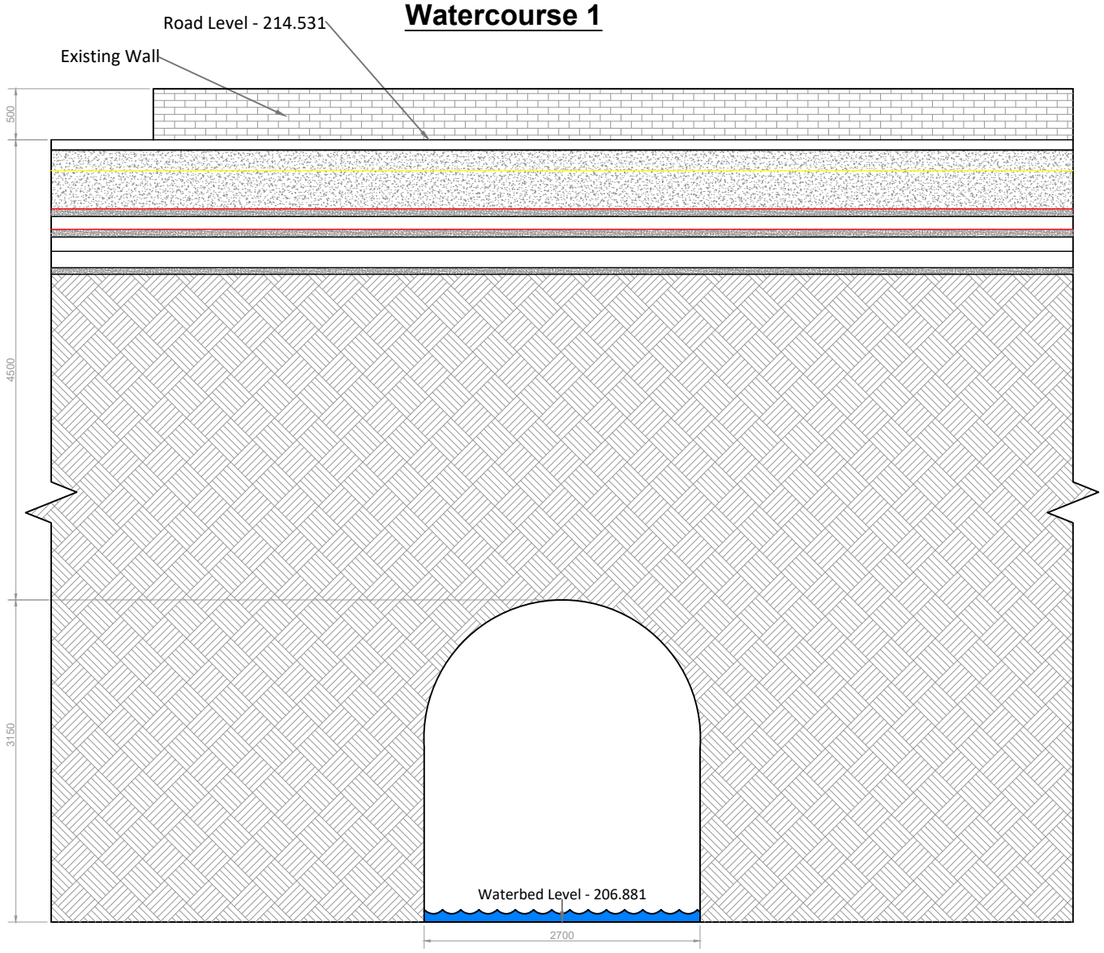
Option D - Standard Horizontal Directional Drill - Cross Section

SCALE: 1:200

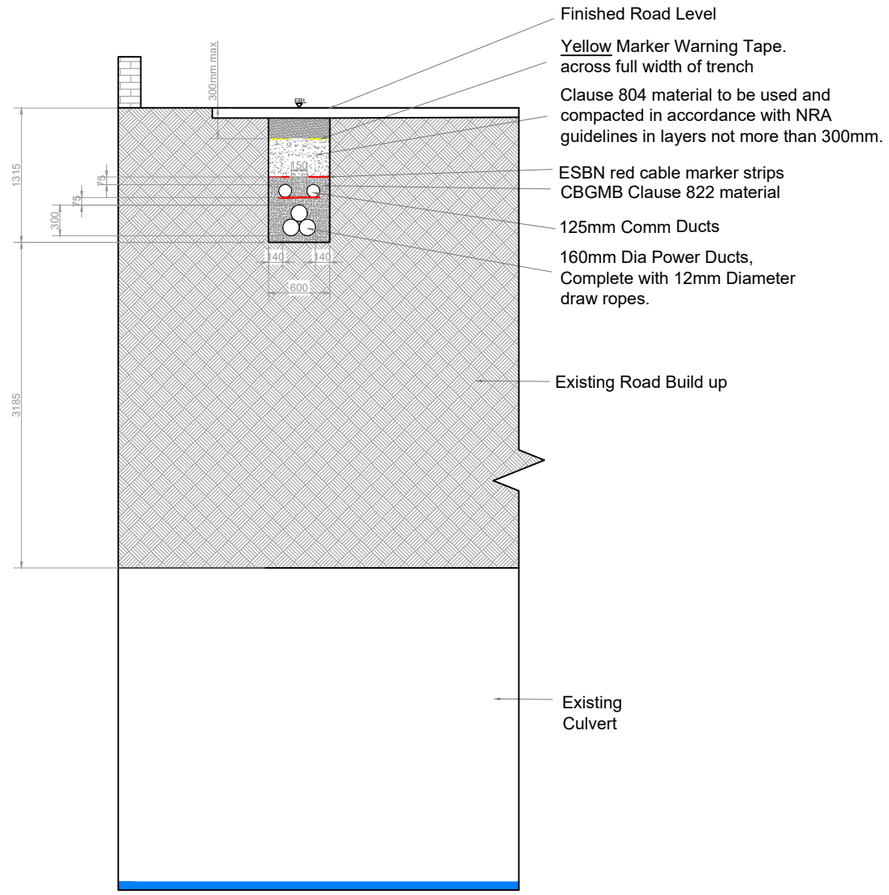
PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Option D - Horizontal Directional Drill Under Exisitng Watercourse Crossing**			
PROJECT No.: **240225**		DRAWING No.: **240225-22**	SCALE: **As Shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

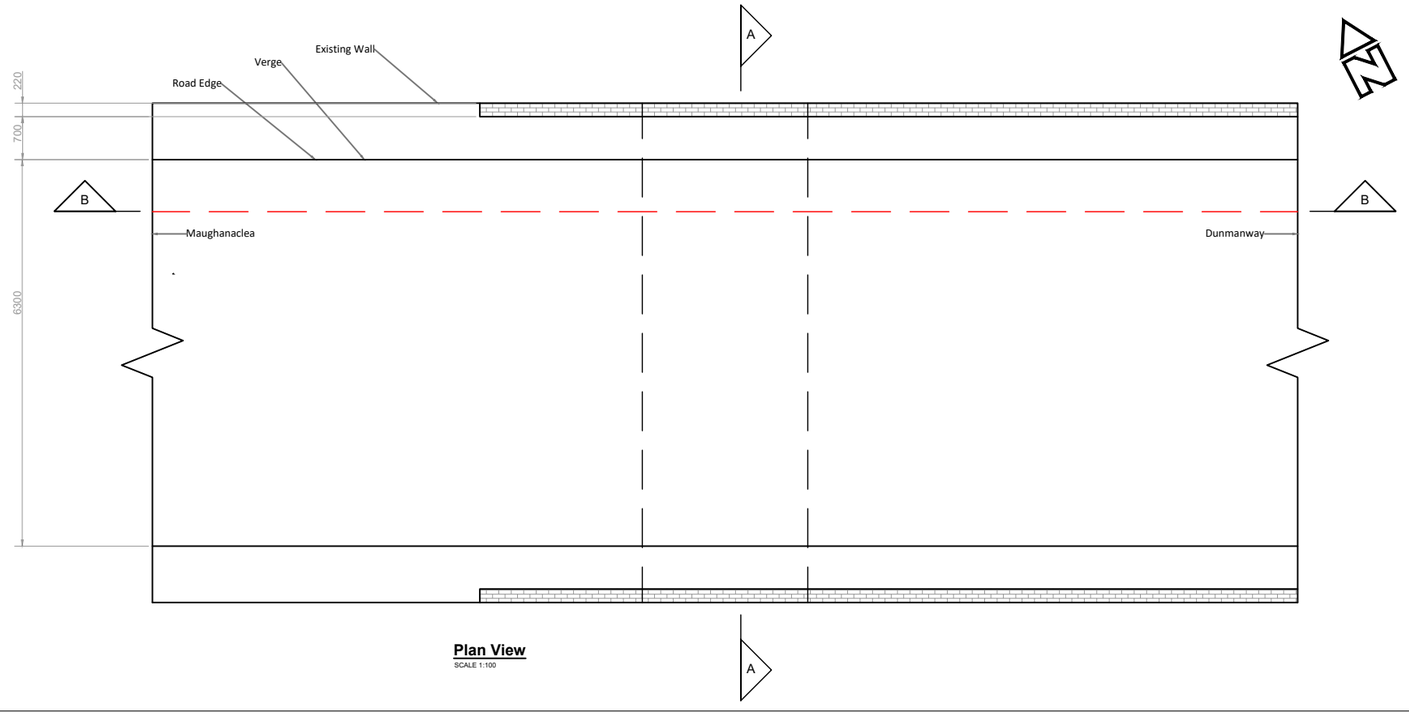
Watercourse 1



Section B-B
SCALE 1:60



Section A-A
SCALE 1:60



Plan View
SCALE 1:100

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

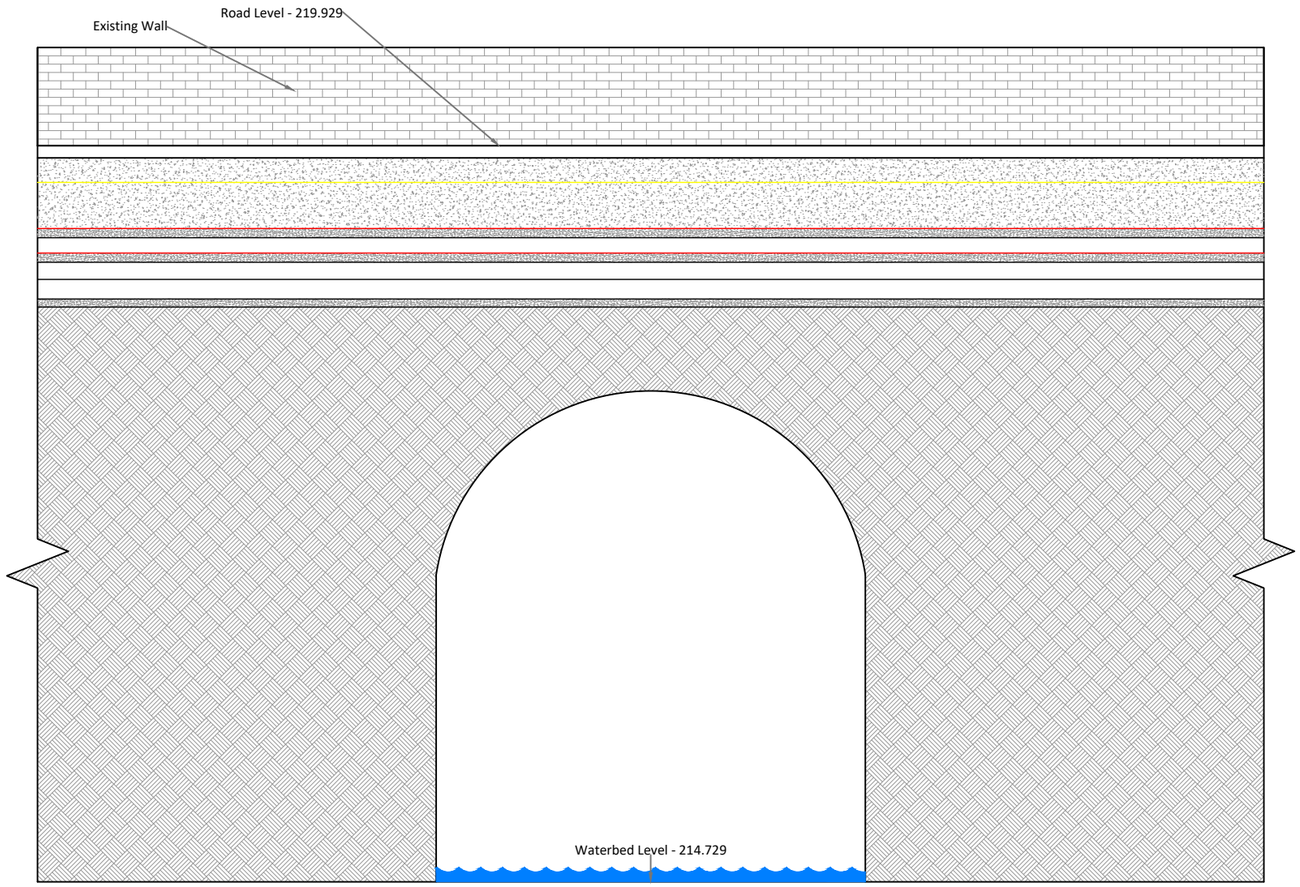
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 01

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-23	As Shown @ A3

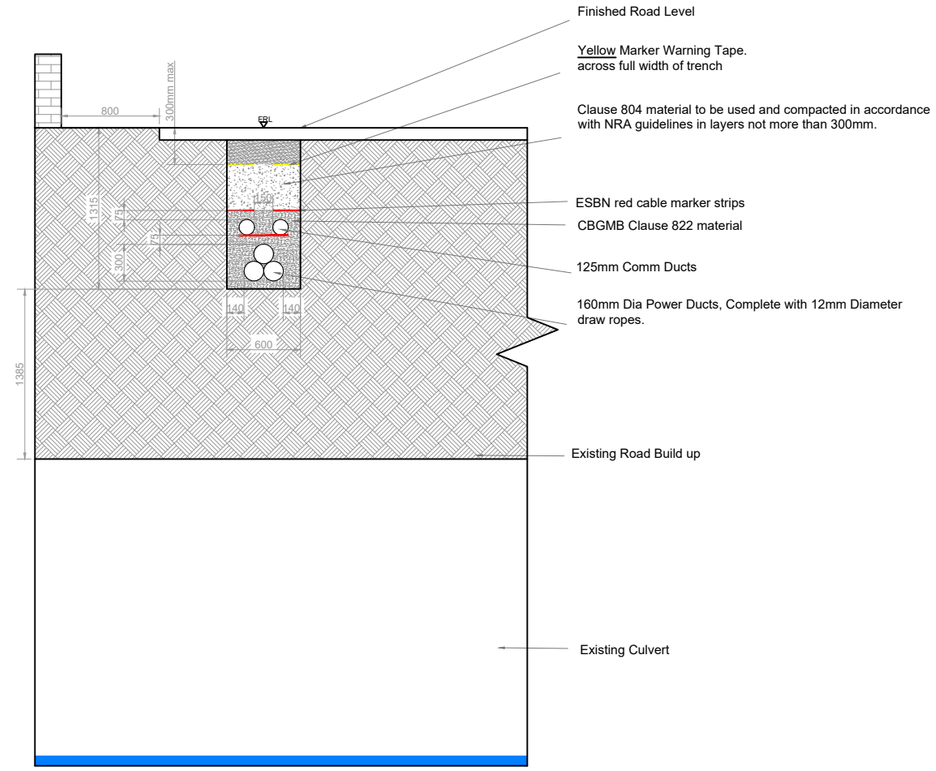
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

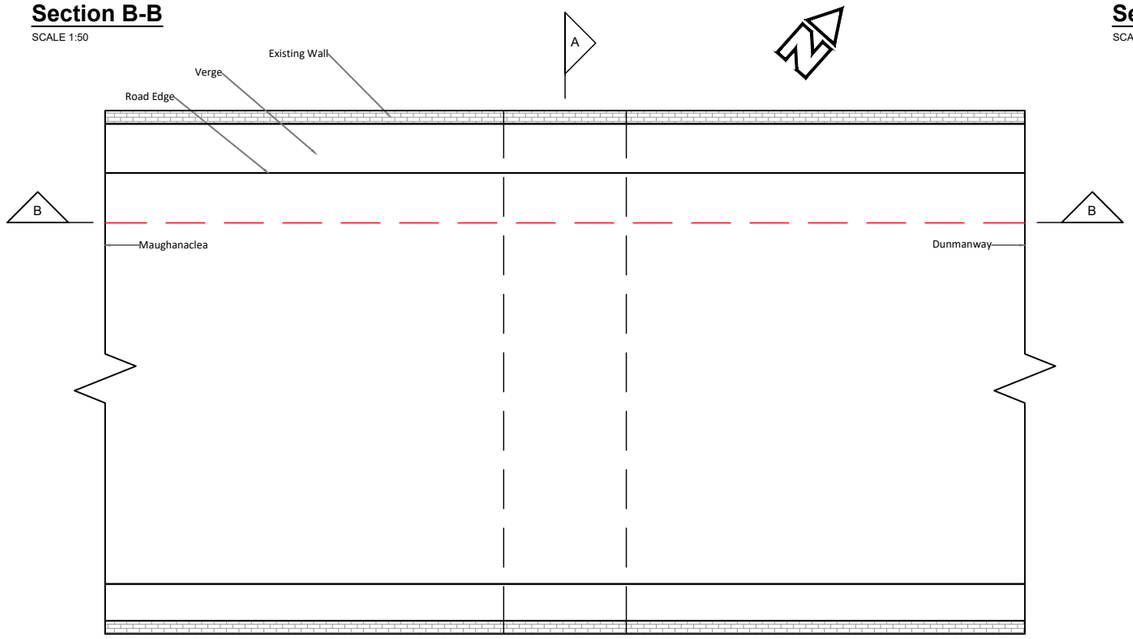
Watercourse 2



Section B-B
SCALE 1:50



Section A-A
SCALE 1:50



Plan View
SCALE 1:100

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

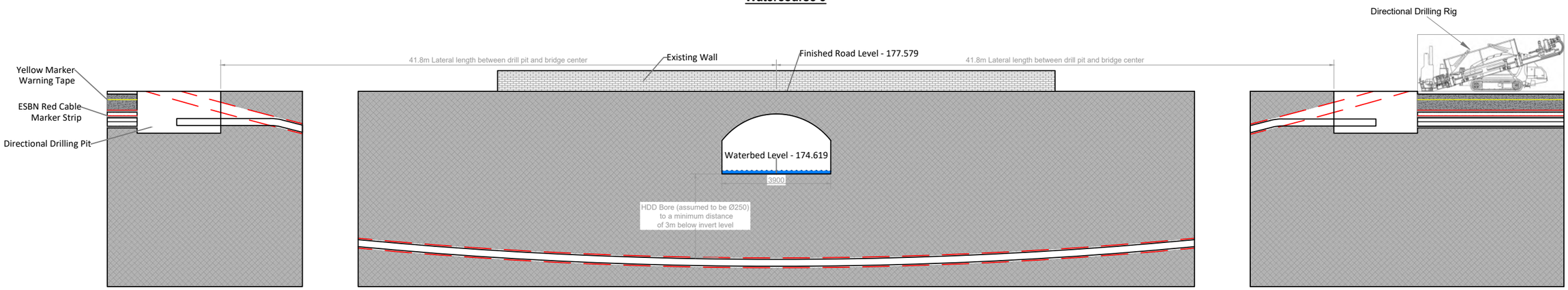
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 02

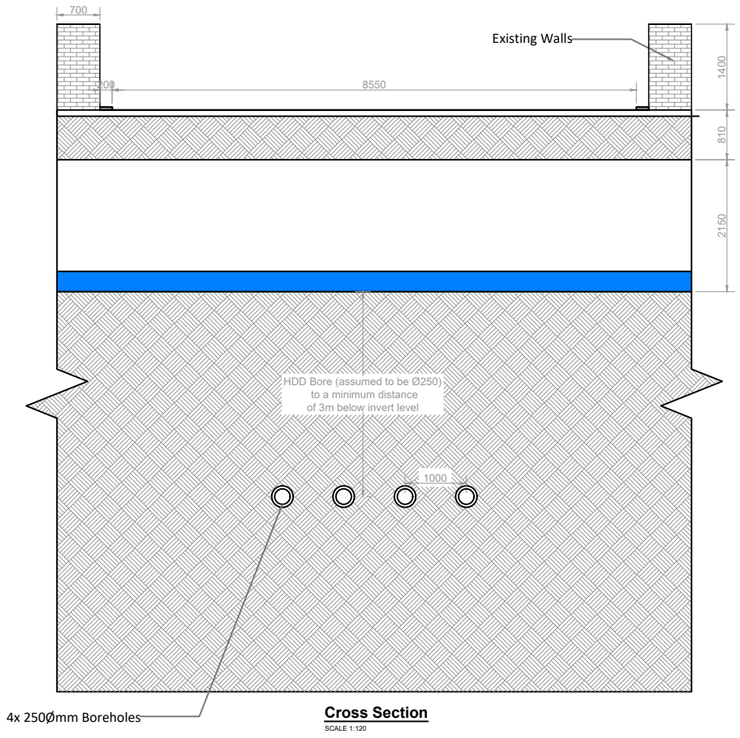
PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-24	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

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Watercourse 3



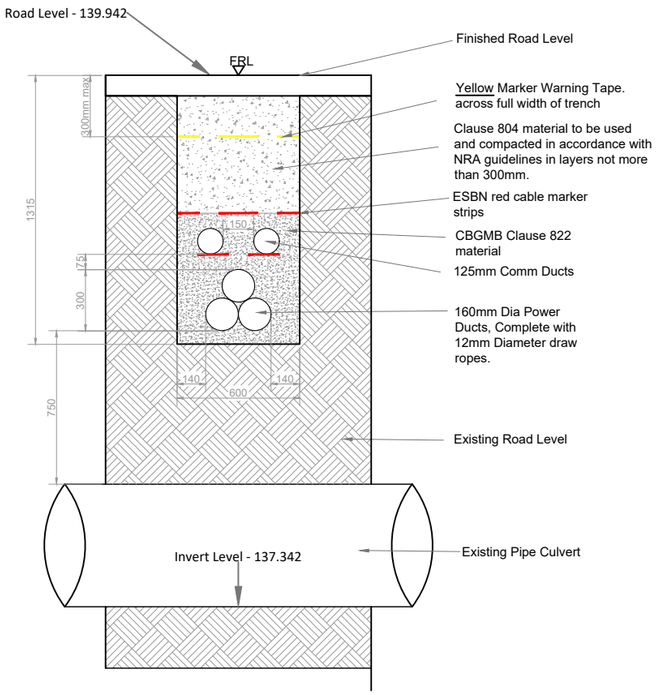


Cross Section
SCALE 1:120

PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Proposed Grid Connection Watercourse Crossing 03**			
PROJECT No.: **240225**		DRAWING No.: **240225-25**	SCALE: **As Shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **24.03.2026**	REVISION.: P01

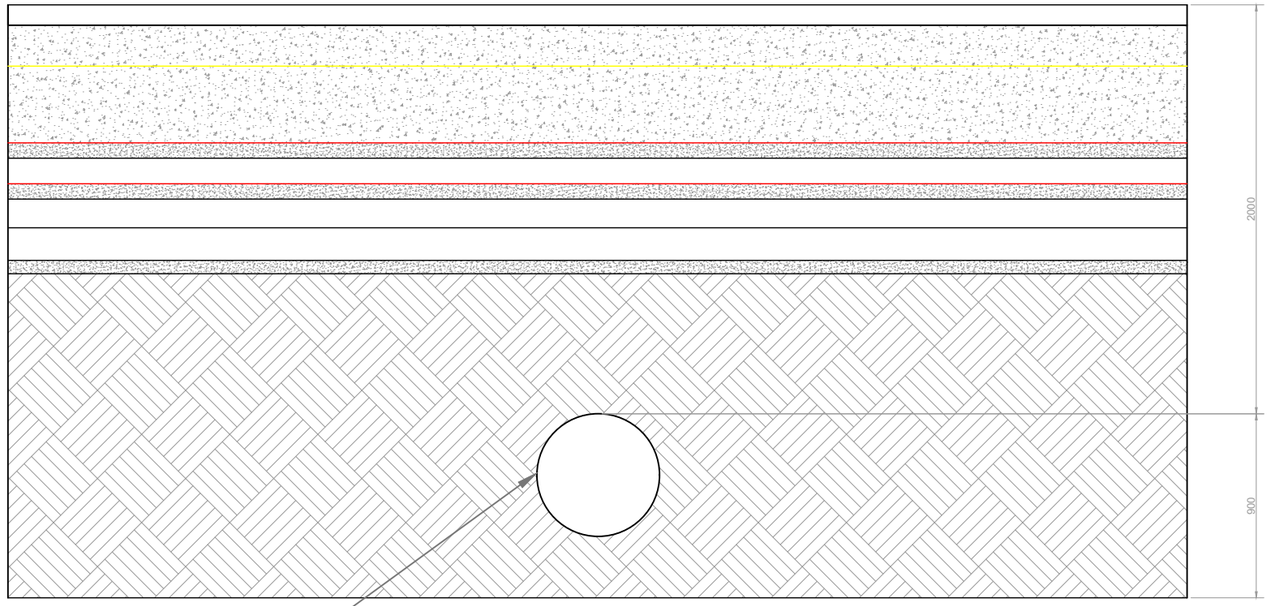
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 4



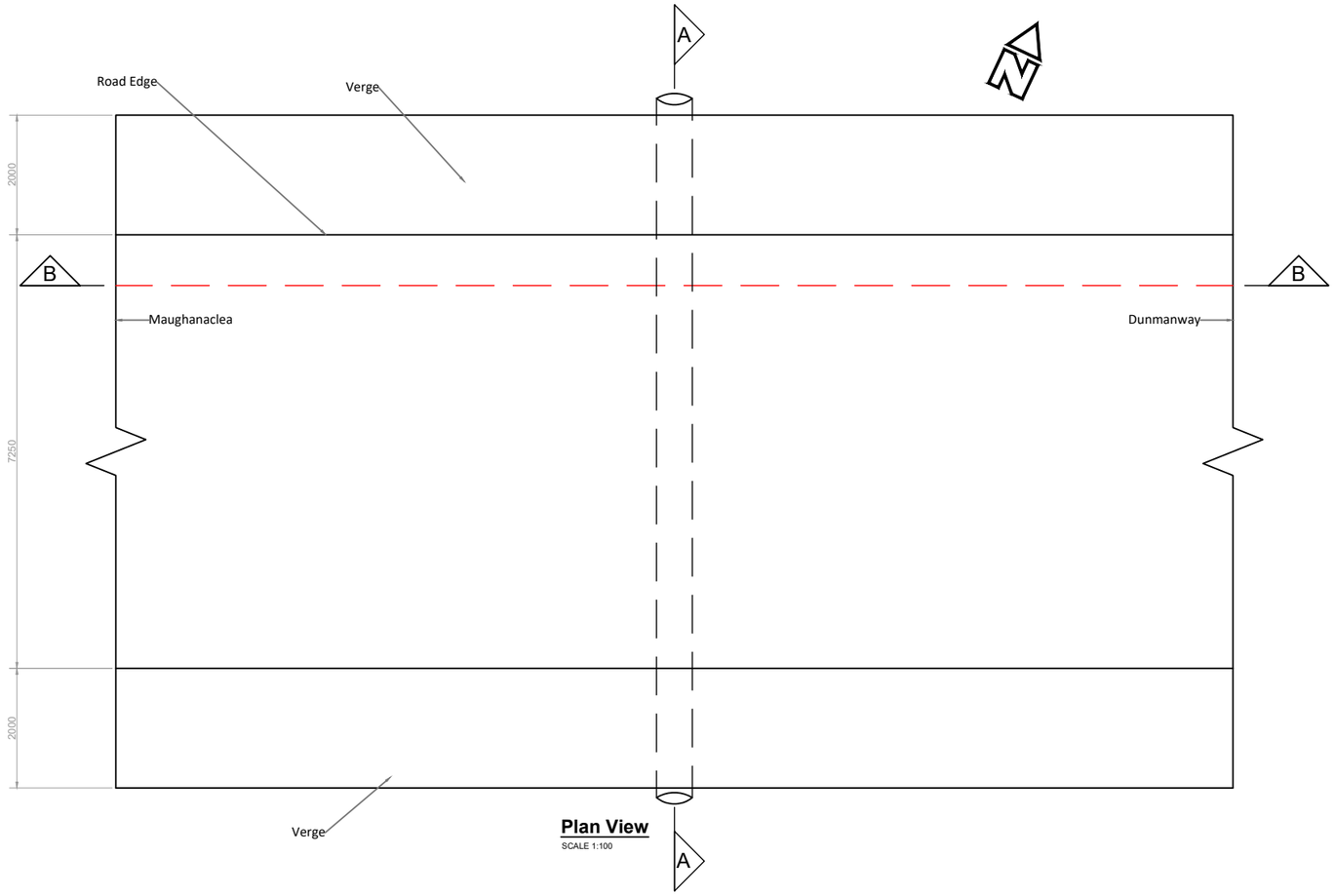
Section A-A

SCALE 1:20



Section B-B

SCALE 1:40



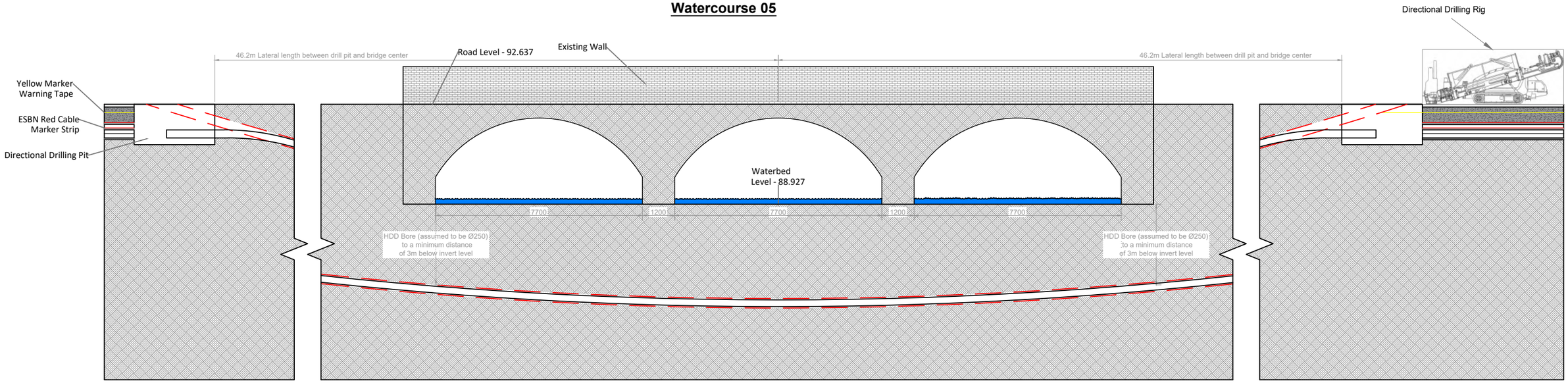
Plan View

SCALE 1:100

PROJECT TITLE: Maughanaclea Renewable Energy Development Co.Cork			
DRAWING TITLE: Proposed Grid Connection Watercourse Crossing 04			
PROJECT No.: 240225	DRAWING No.: 240225-26		SCALE: As Shown @ A3
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

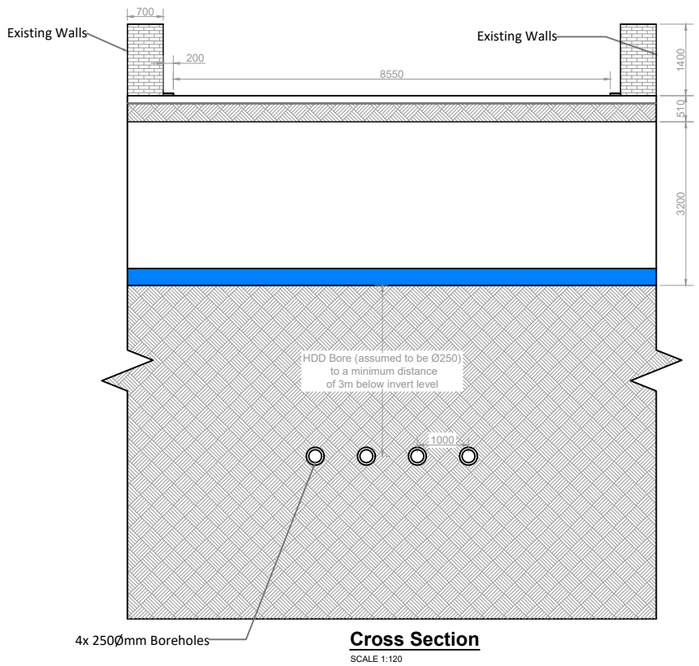
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 05



Longitudinal Section

SCALE 1:150



Cross Section

SCALE 1:120

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

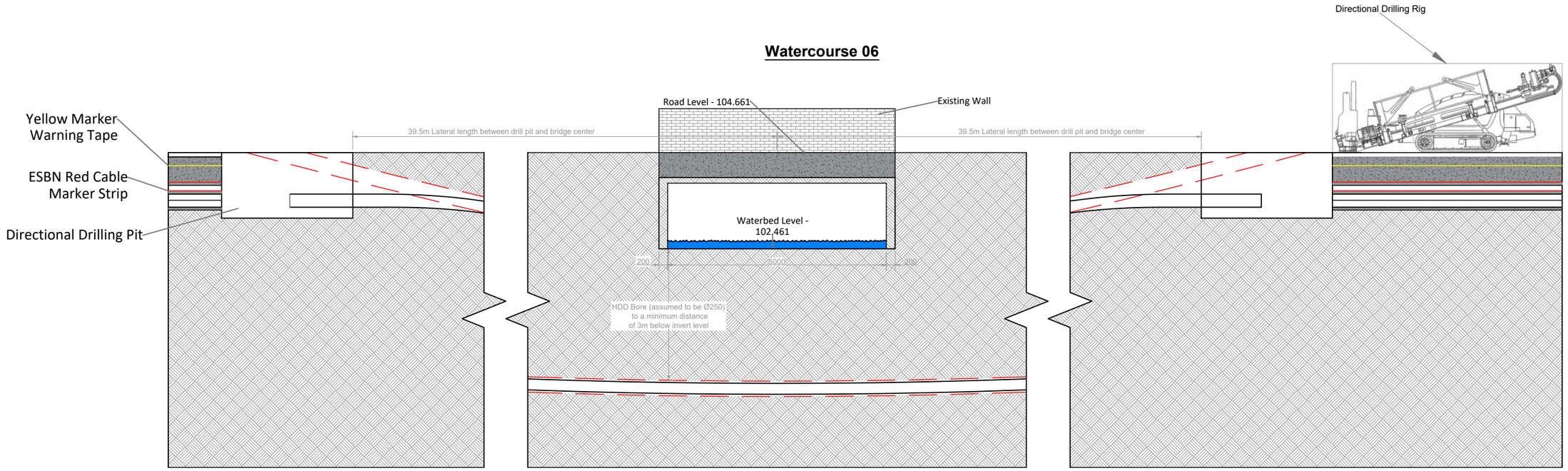
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 05

PROJECT No.:	DRAWING No.:	SCALE:
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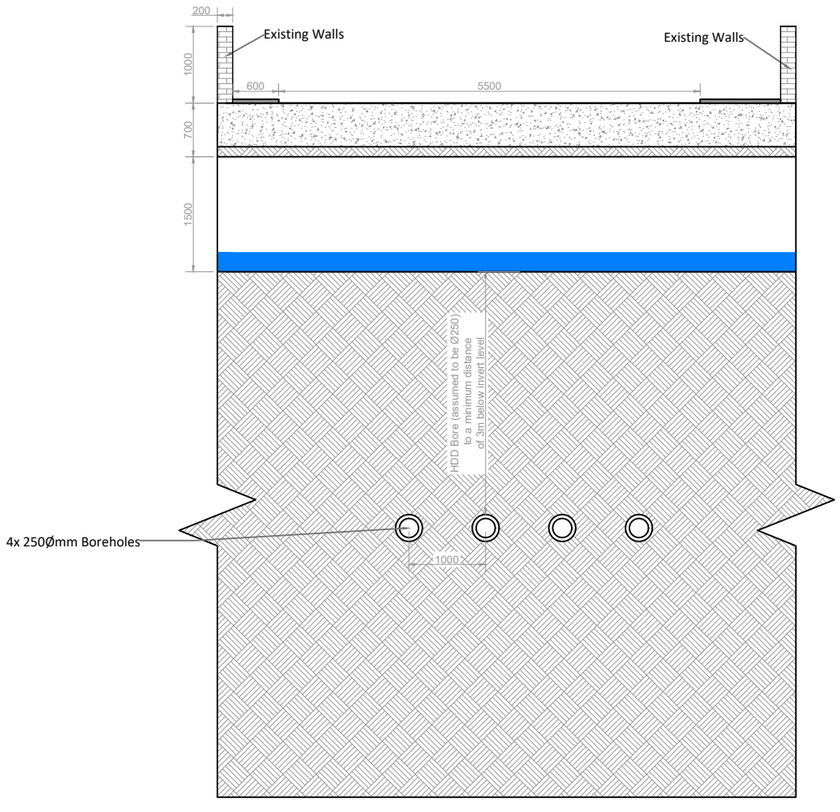
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

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Watercourse 06



Longitudinal Section
SCALE 1:100



Cross Section
SCALE 1:80

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

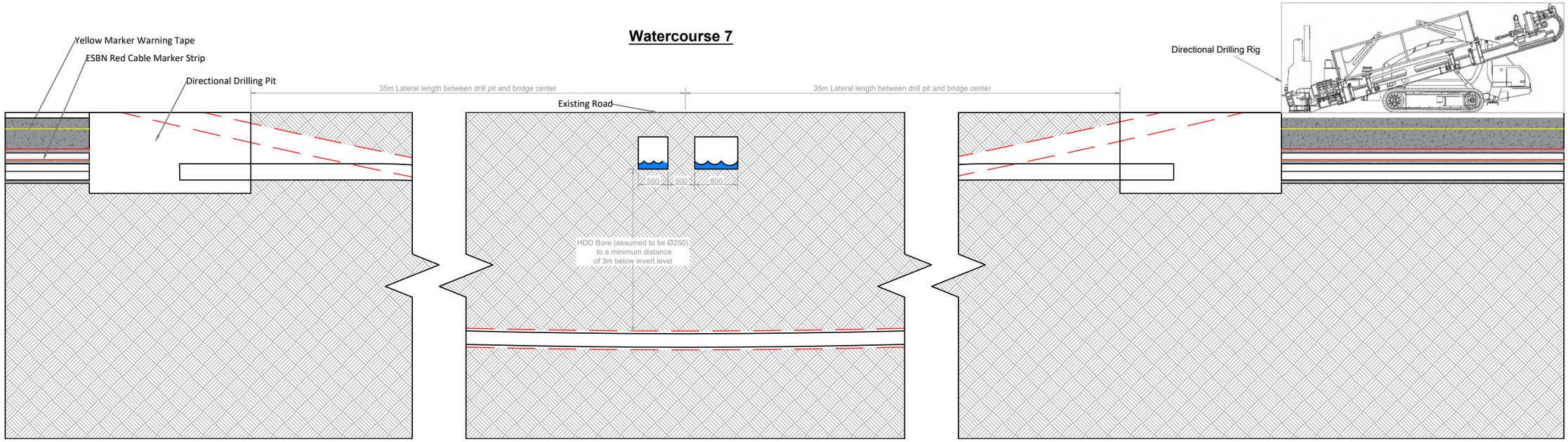
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 06

PROJECT No.:	DRAWING No.:	SCALE:
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DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

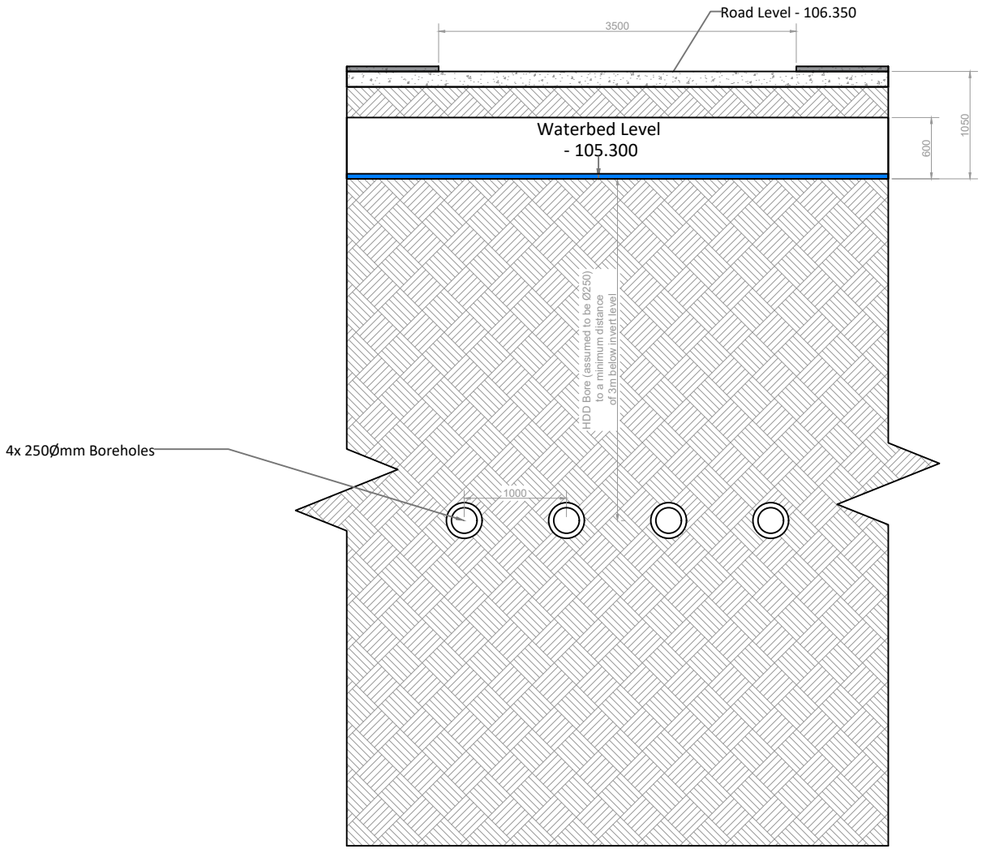
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 7



Longitudinal Section

SCALE 1:80



Cross Section

SCALE 1:60

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

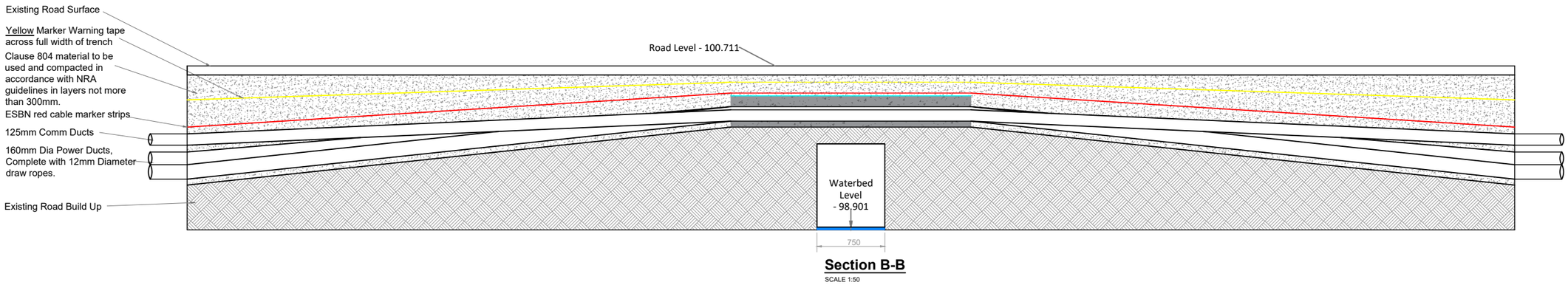
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 07

PROJECT No.:	DRAWING No.:	SCALE:
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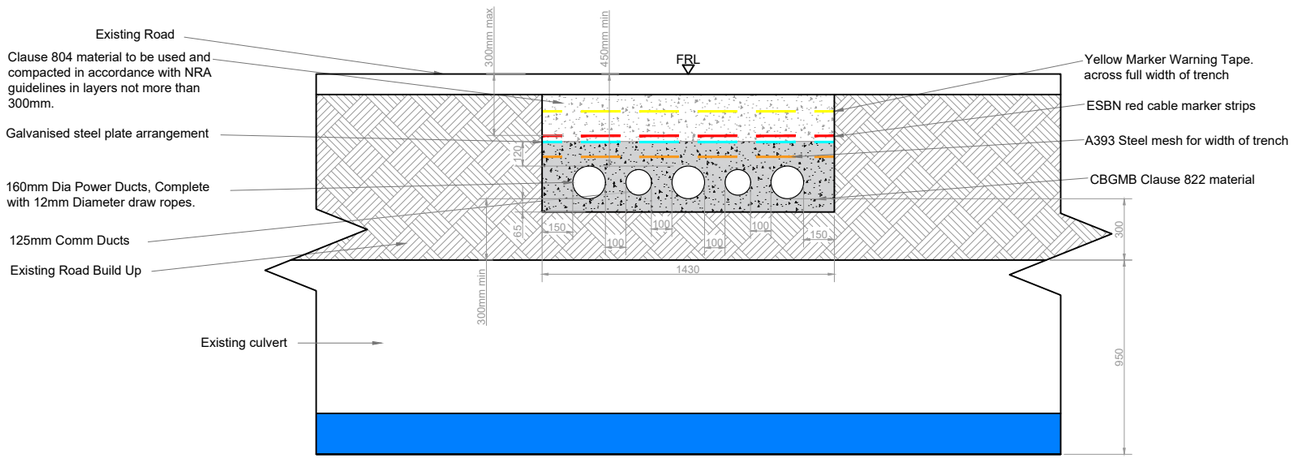
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

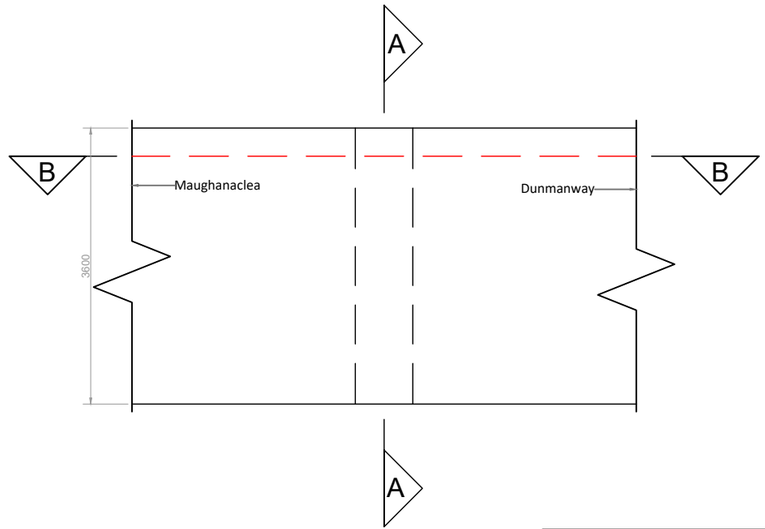
Watercourse 8



Section B-B
SCALE 1:50



Section A-A
SCALE 1:30

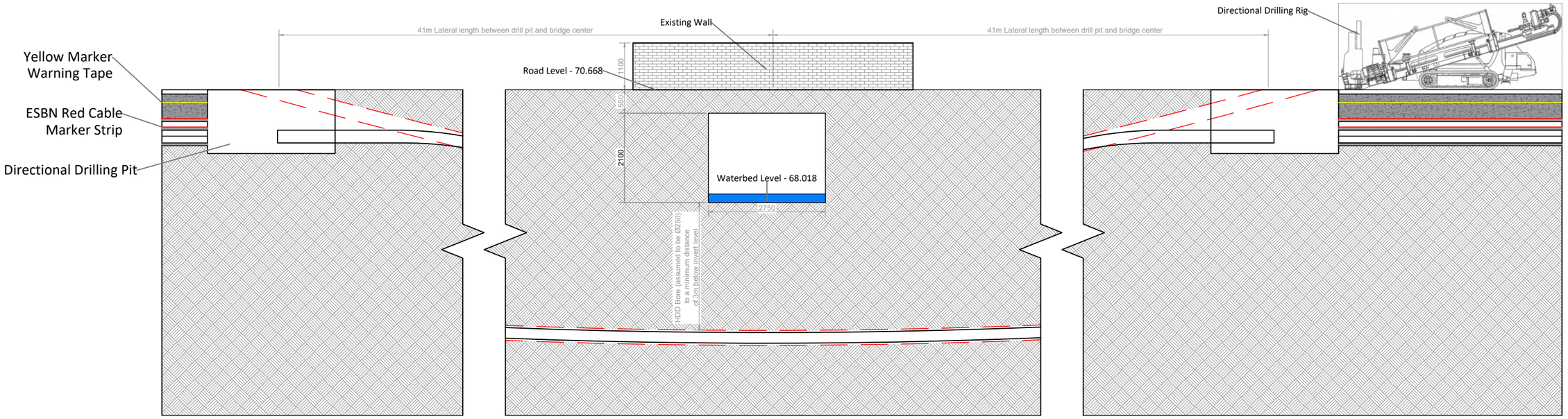


Plan View
SCALE 1:80

PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Proposed Grid Connection Watercourse Crossing 08**			
PROJECT No.: **240225**	DRAWING No.: **240225-30**	SCALE: **As Shown @ A3**	
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

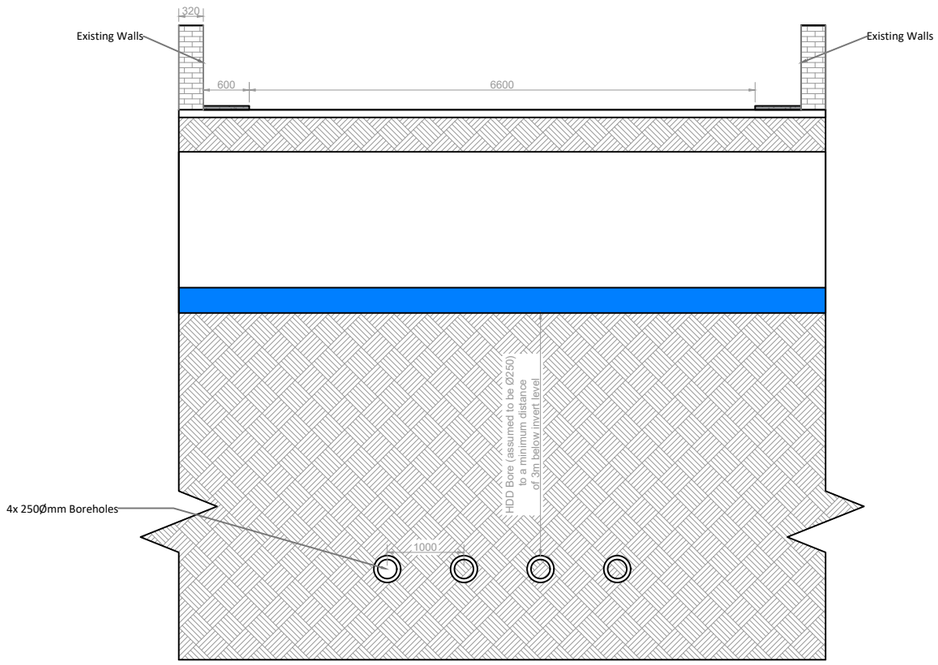
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 9



Longitudinal Section

SCALE 1:150



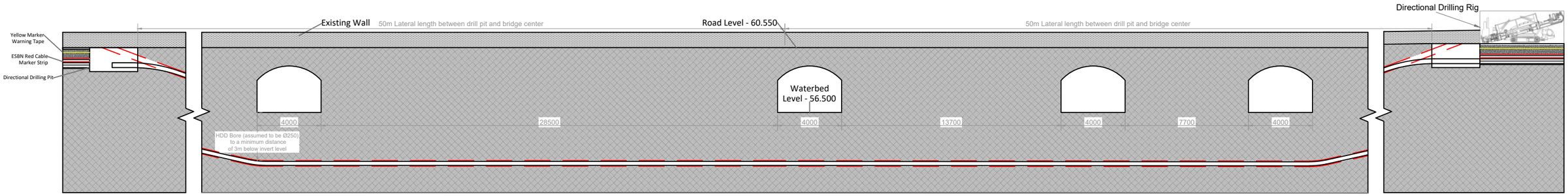
Cross Section

SCALE 1:80

PROJECT TITLE: Maughanaclea Renewable Energy Development Co.Cork			
DRAWING TITLE: Proposed Grid Connection Watercourse Crossing 09			
PROJECT No.: 240225	DRAWING No.: 240225-31		SCALE: As Shown @ A3
DRAWN BY: KD	CHECKED BY: AC	DATE: 25.03.2026	REVISION.: P01

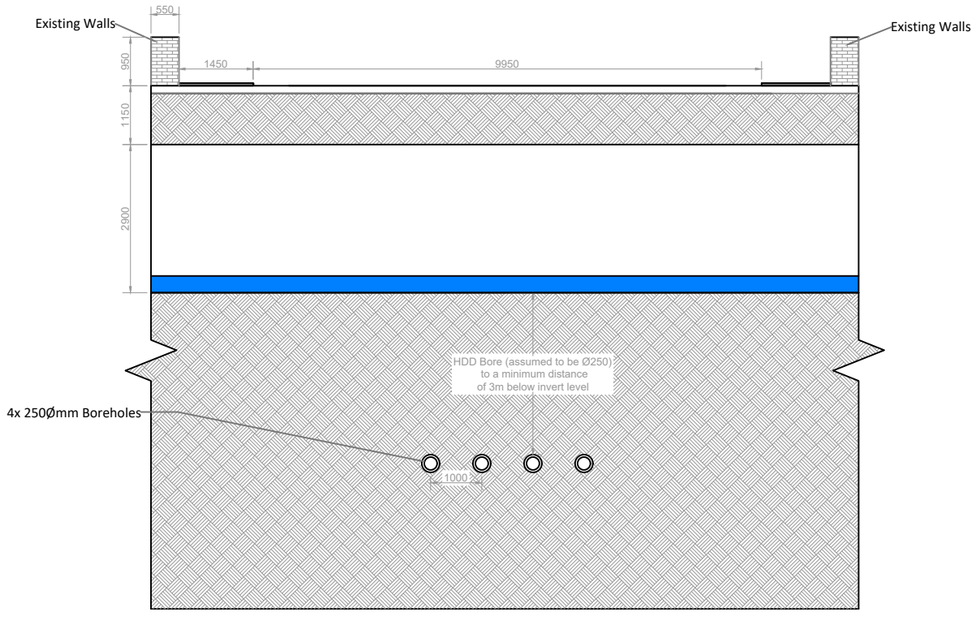
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 10



Longitudinal Section

SCALE 1:250



Cross Section

SCALE 1:120

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

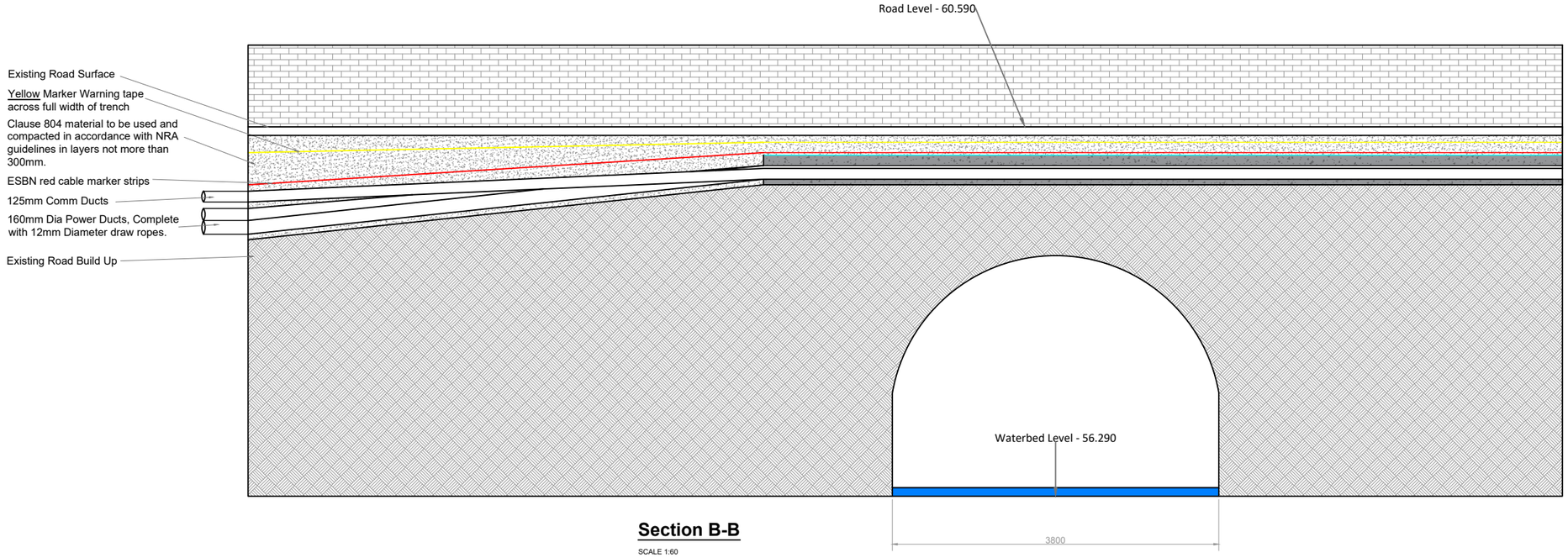
DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 10

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-32	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

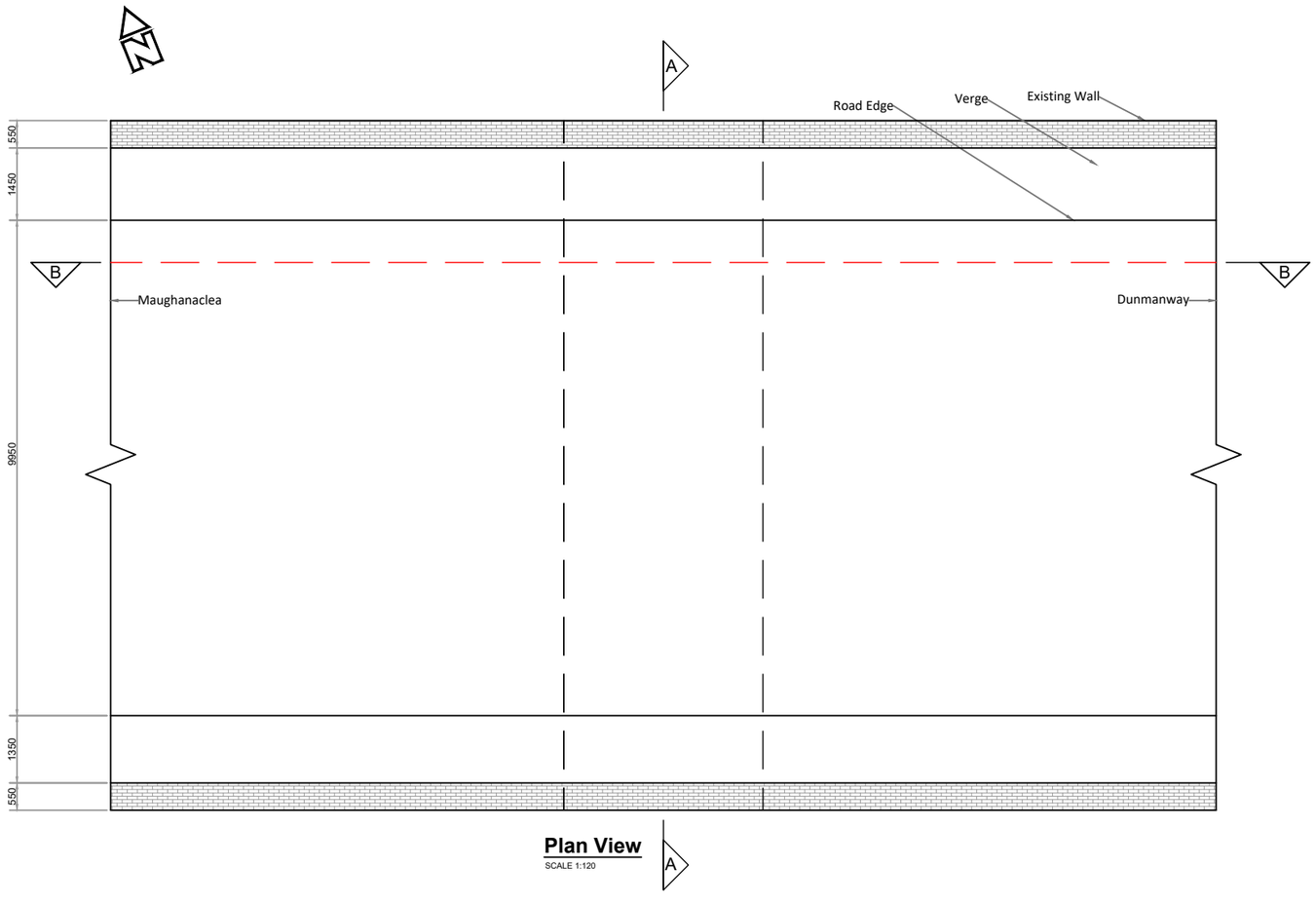
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

Watercourse 11a



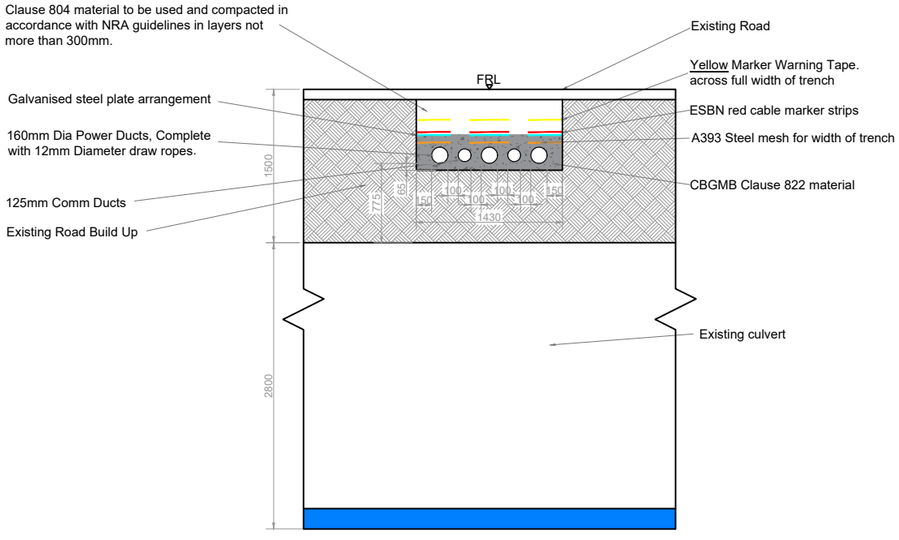
Section B-B

SCALE 1:60



Plan View

SCALE 1:120



Section A-A

SCALE 1:60

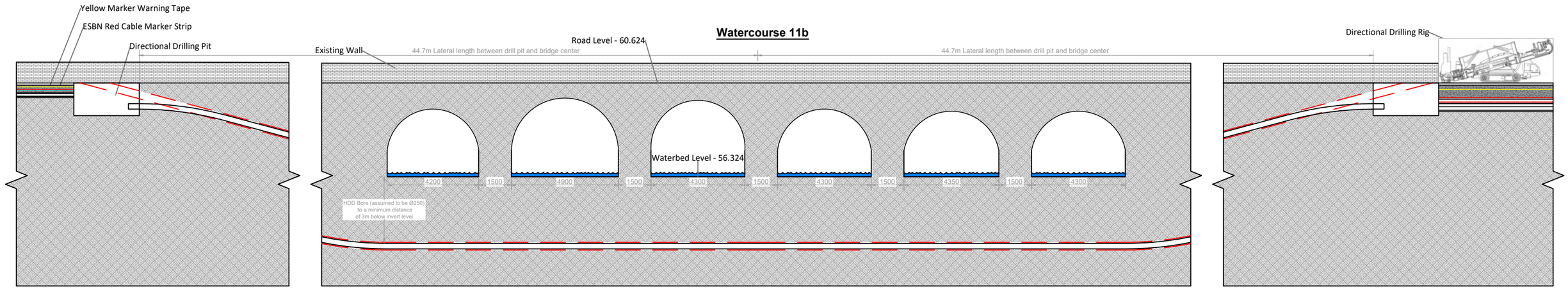
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Proposed Grid Connection Watercourse Crossing 11a

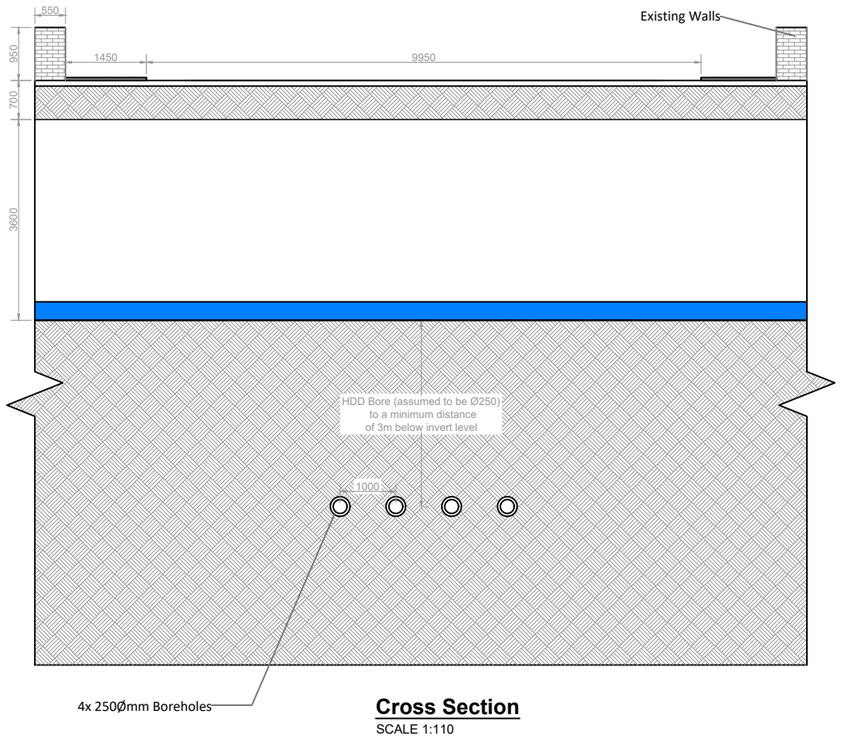
PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-33	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	24.03.2026	P01

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Longitudinal Section
SCALE 1:160



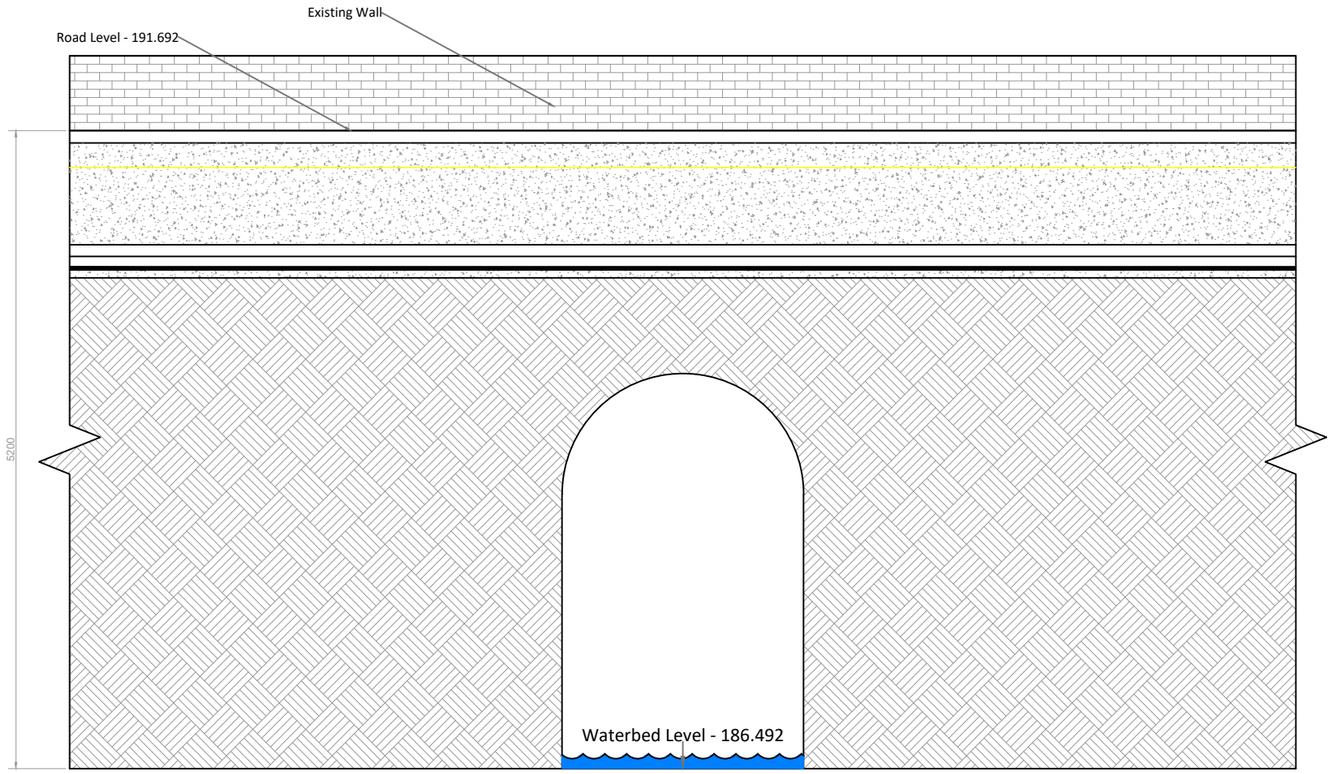
Cross Section
SCALE 1:110

PROJECT TITLE:	**Maughanaclea Renewable Energy Development Co.Cork**
DRAWING TITLE:	**Proposed Grid Connection Watercourse Crossing 11b**

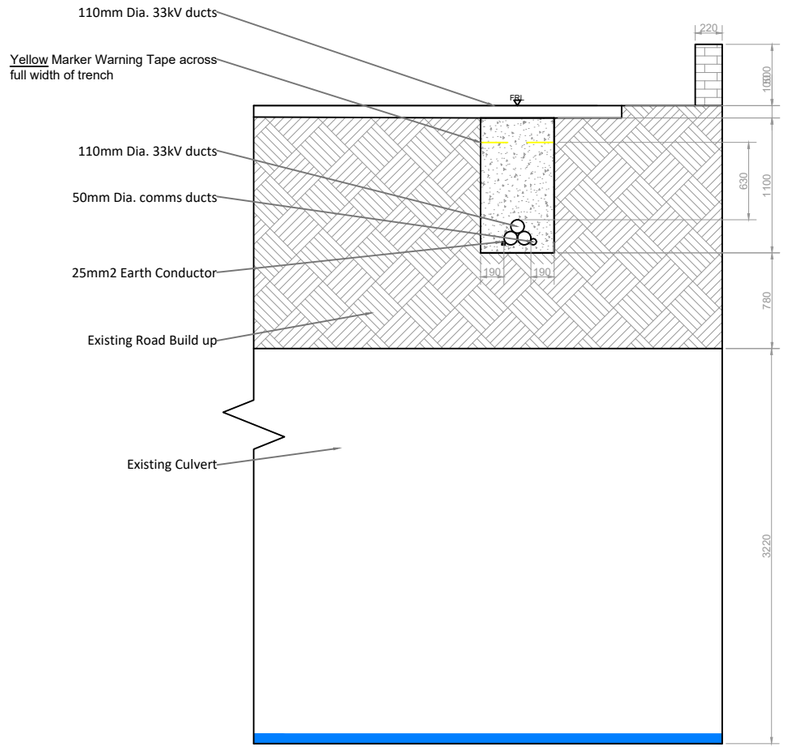
PROJECT No.:	DRAWING No.:	SCALE:
240225	**240225-34**	**As Shown @ A3**

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**AC**	**24.03.2026**	P01

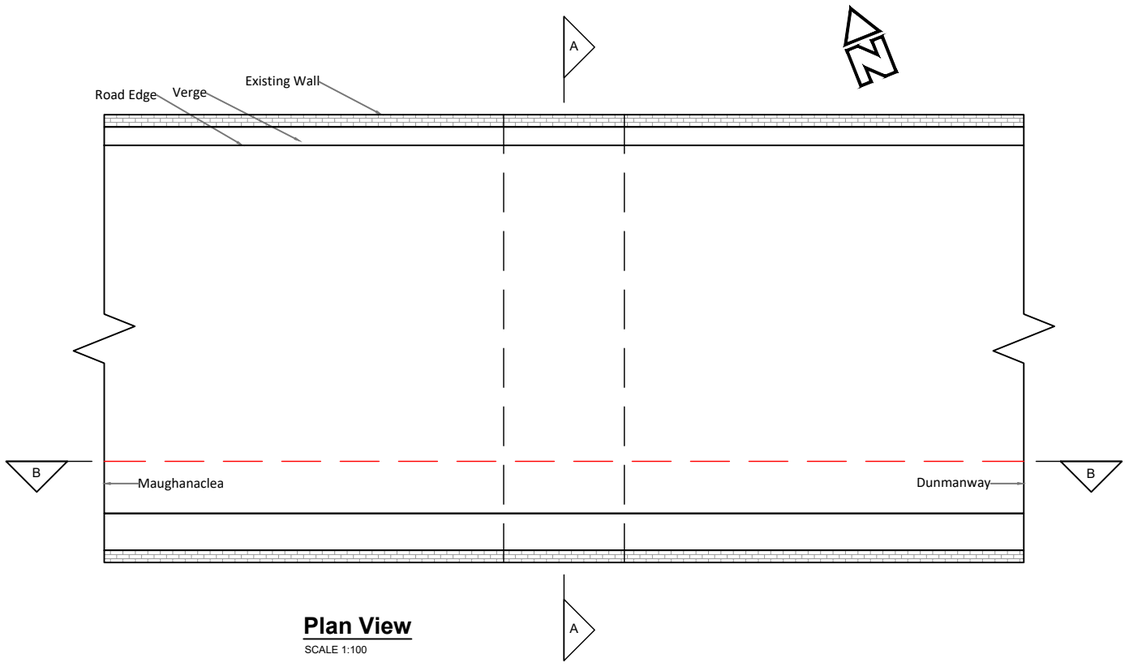
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



Section B-B
SCALE 1:50



Section A-A
SCALE 1:50



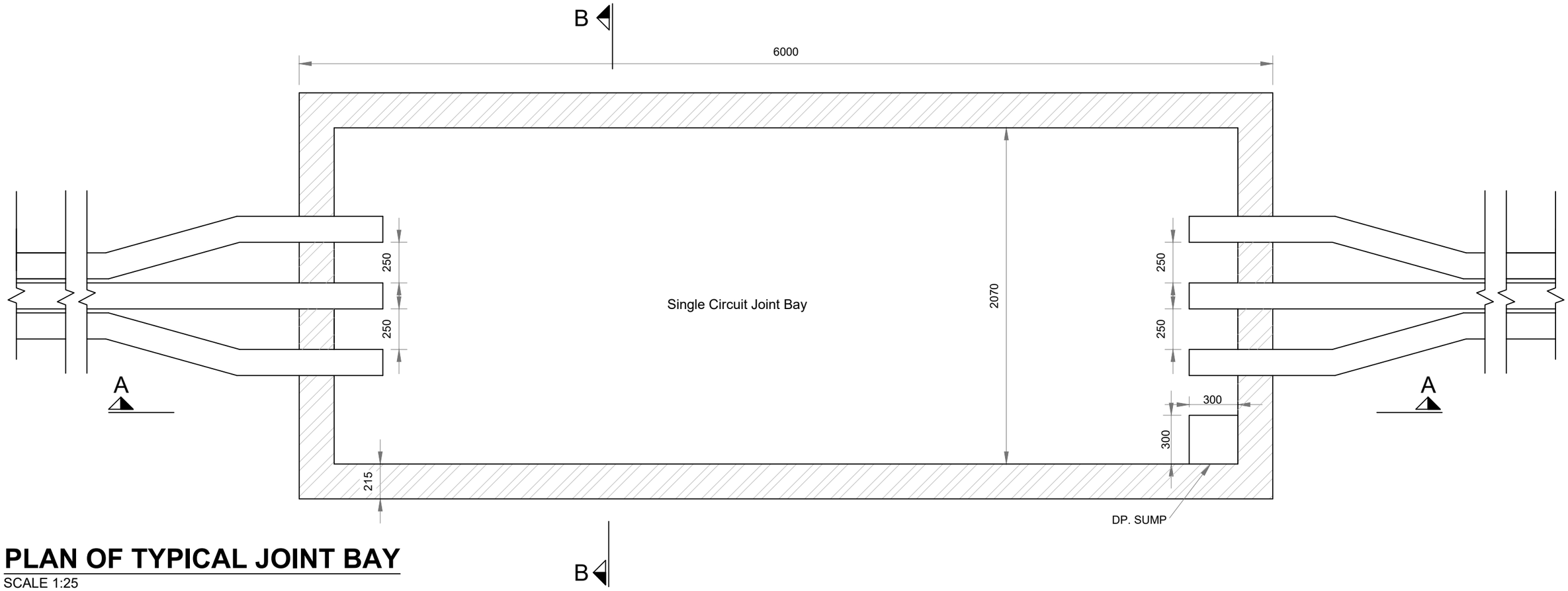
Plan View
SCALE 1:100

PROJECT TITLE:	**Maughanaclea Renewable Energy Development Co.Cork**
DRAWING TITLE:	**33kV IPP Crossing**

PROJECT No.:	DRAWING No.:	SCALE:
240225	**240225-35**	**As Shown @ A3**

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**AC**	**24.03.2026**	P01

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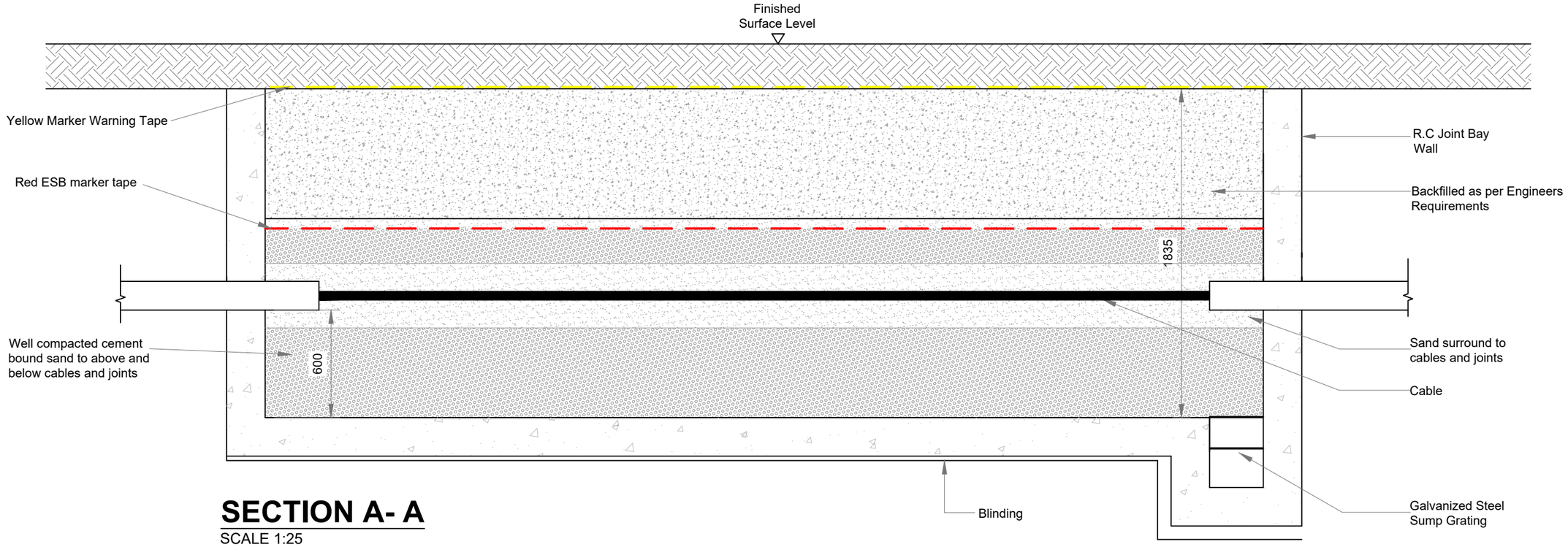


PLAN OF TYPICAL JOINT BAY

SCALE 1:25

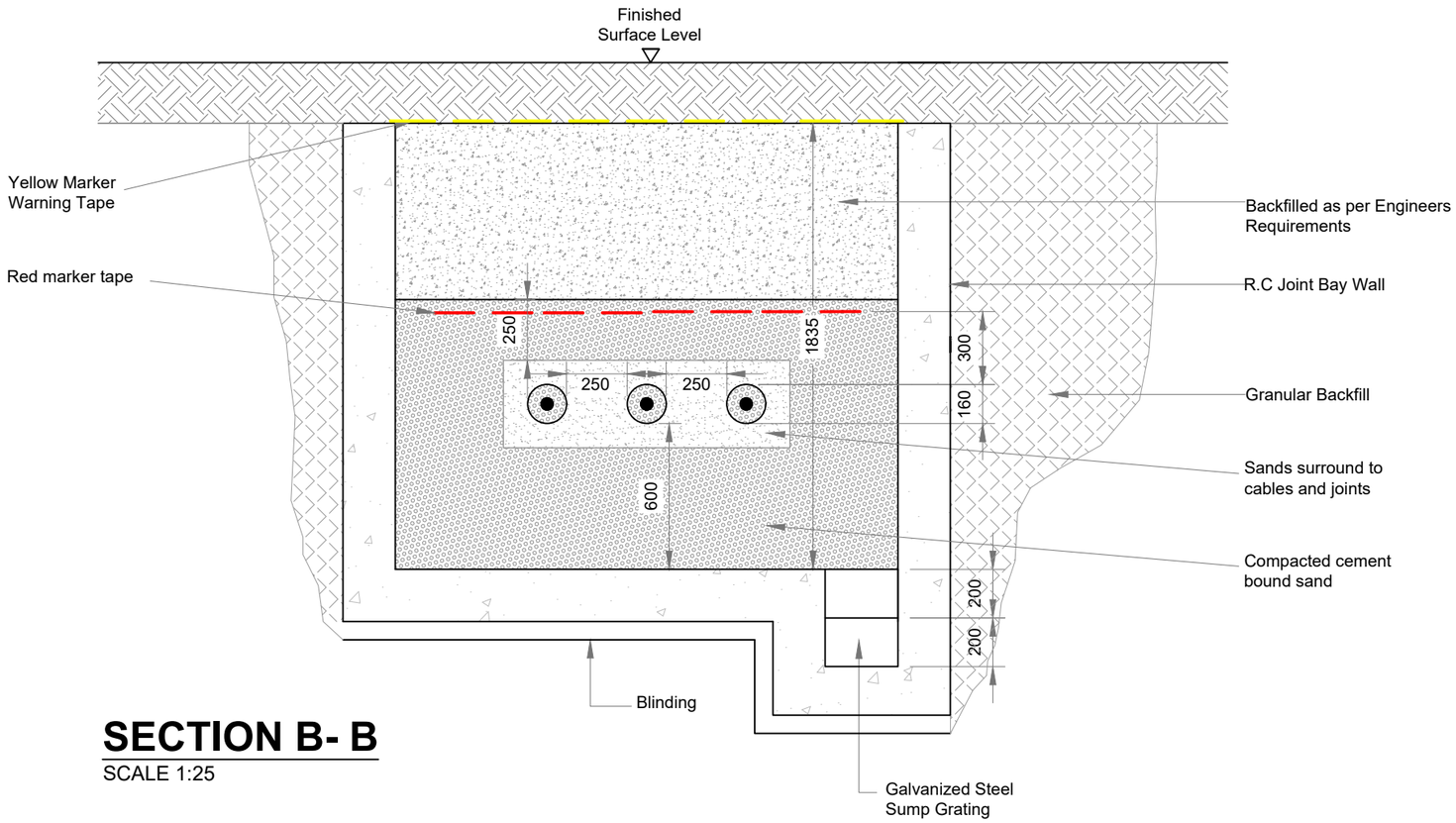
PROJECT TITLE: **Maughanaclea Renewable Energy Development Co.Cork**			
DRAWING TITLE: **Standard Joint Bay Detail**			
PROJECT No.: **240225**		DRAWING No.: **240225-36**	SCALE: **As Shown @ A3**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

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SECTION A- A

SCALE 1:25



SECTION B- B

SCALE 1:25

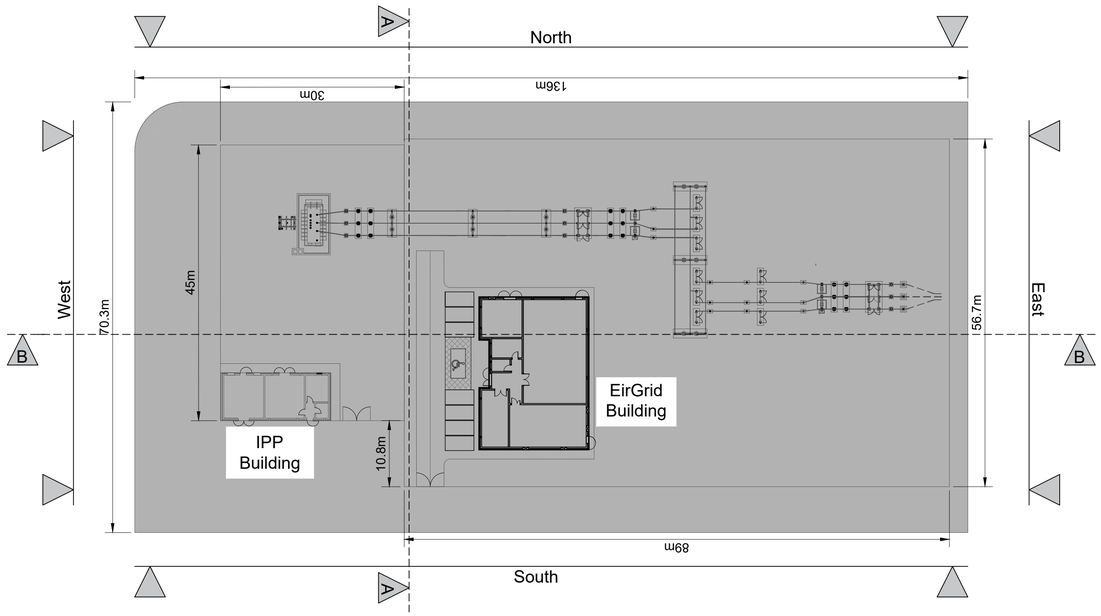
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

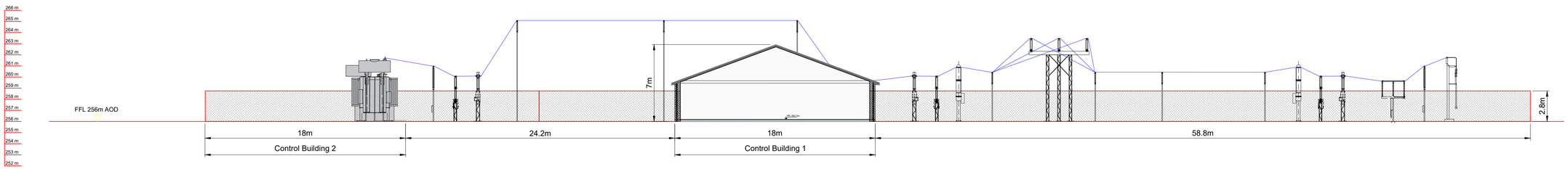
DRAWING TITLE:
Standard Joint Bay Detail

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225-37	As Shown @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

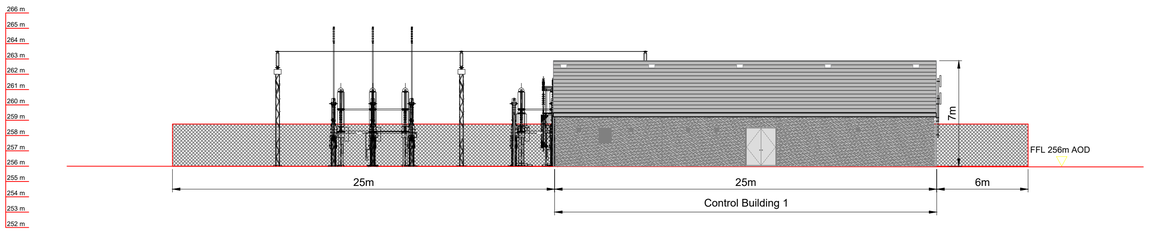
Email: info@www.mkoireland.ie /Website: www.mkoireland.ie





Section B-B

Scale 1:200 at A1



Section A-A

Scale 1:200 at A1

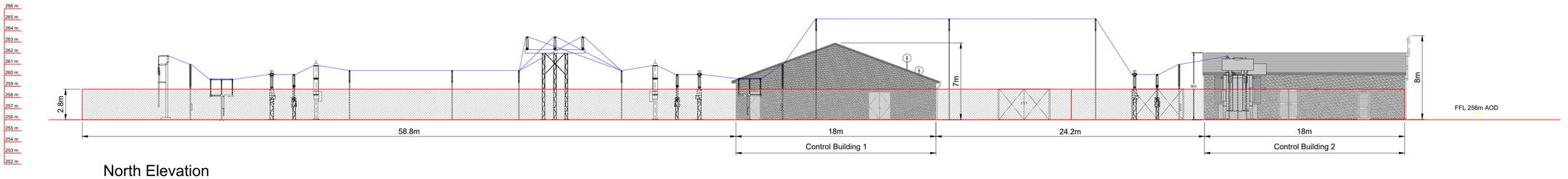
PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Substation Compound Plan & Sections

PROJECT No.:	DRAWING No.:	SCALE:
240225	**240225 - 38**	**As Shown @ A1**

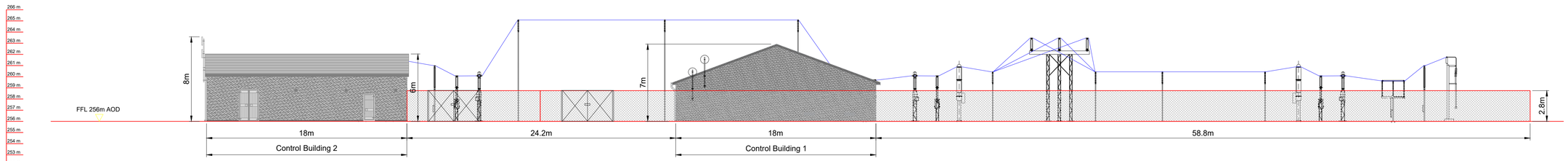
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**AC**	**25.03.2026**	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie



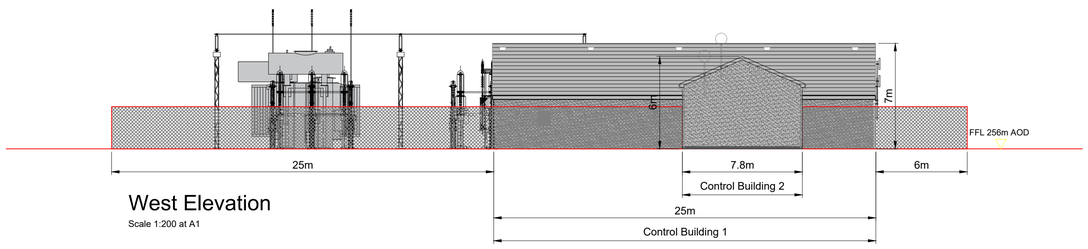
North Elevation

Scale 1:200 at A1



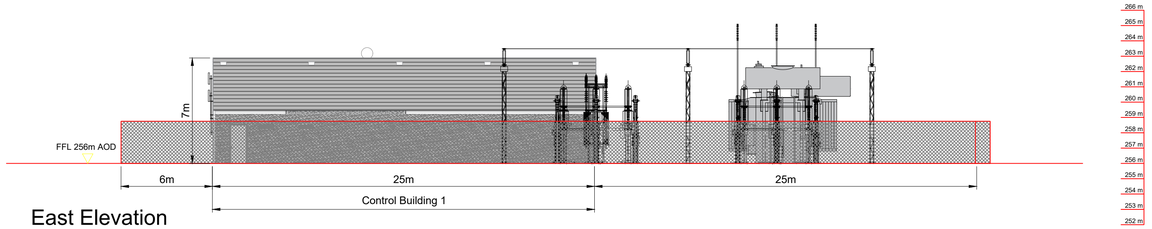
South Elevation

Scale 1:200 at A1



West Elevation

Scale 1:200 at A1



East Elevation

Scale 1:200 at A1

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

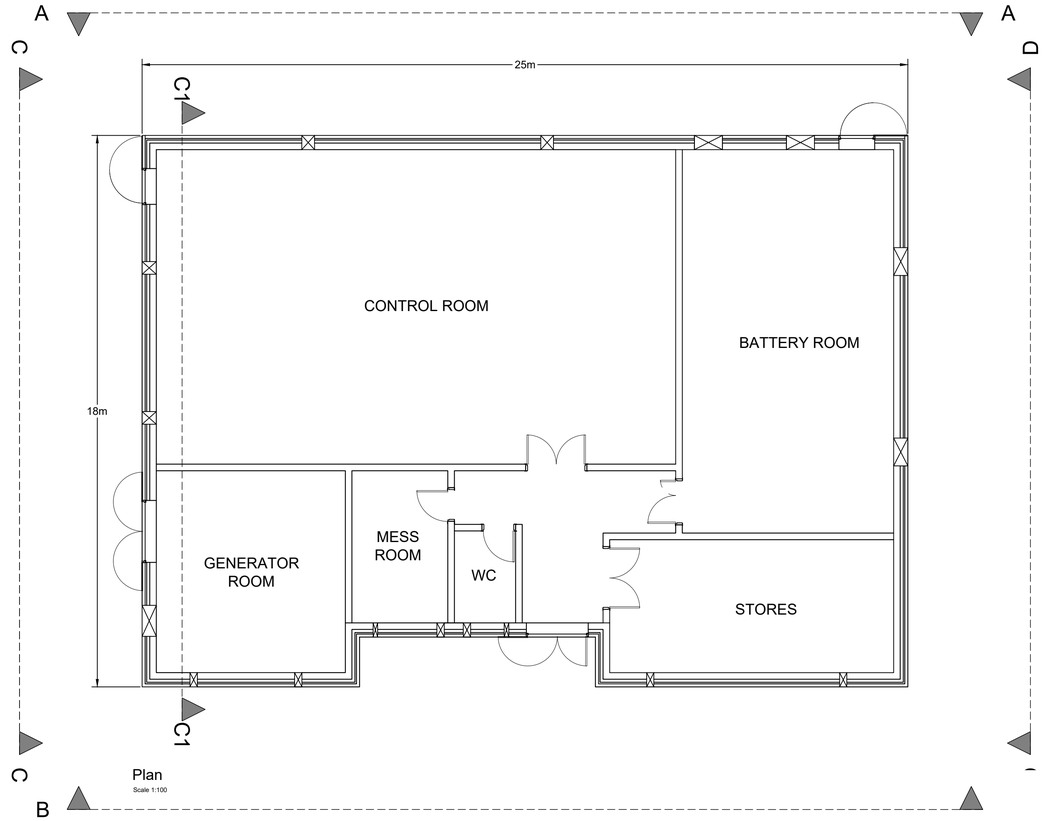
DRAWING TITLE:

Substation Compound Elevations

PROJECT No.:	DRAWING No.:	SCALE:
240225	**240225 - 39**	**As Shown @ A1**

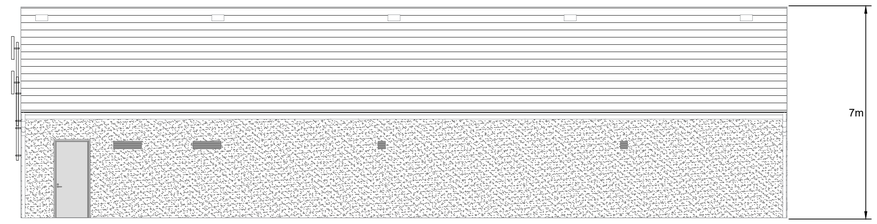
DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**AC**	**25.03.2026**	P01

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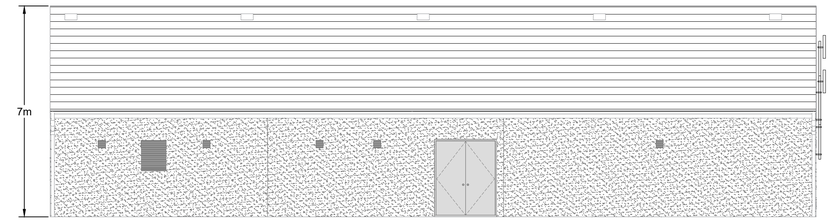
Plan

Scale 1:100



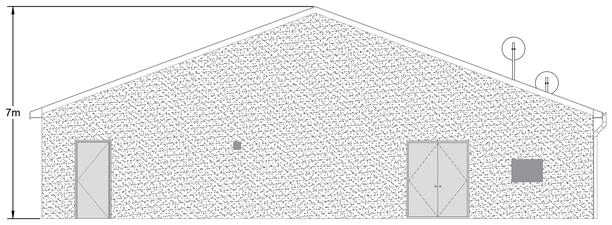
Section A-A

Scale 1:100



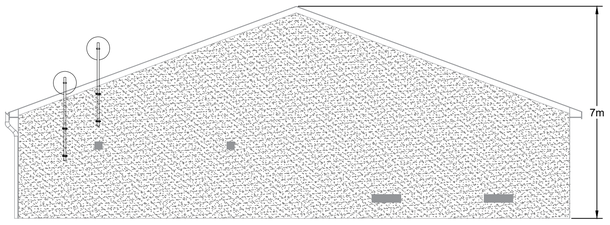
Section B-B

Scale 1:100



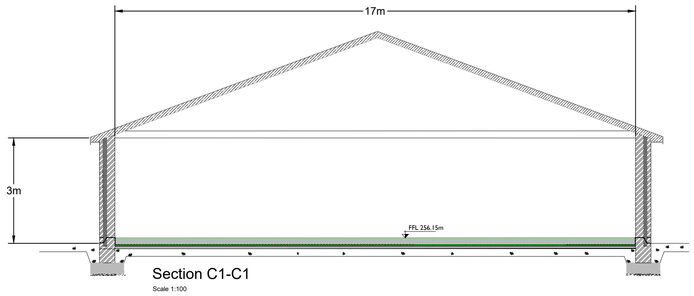
Section C-C

Scale 1:100



Section D-D

Scale 1:100



Section C1-C1

Scale 1:100

PROJECT TITLE:

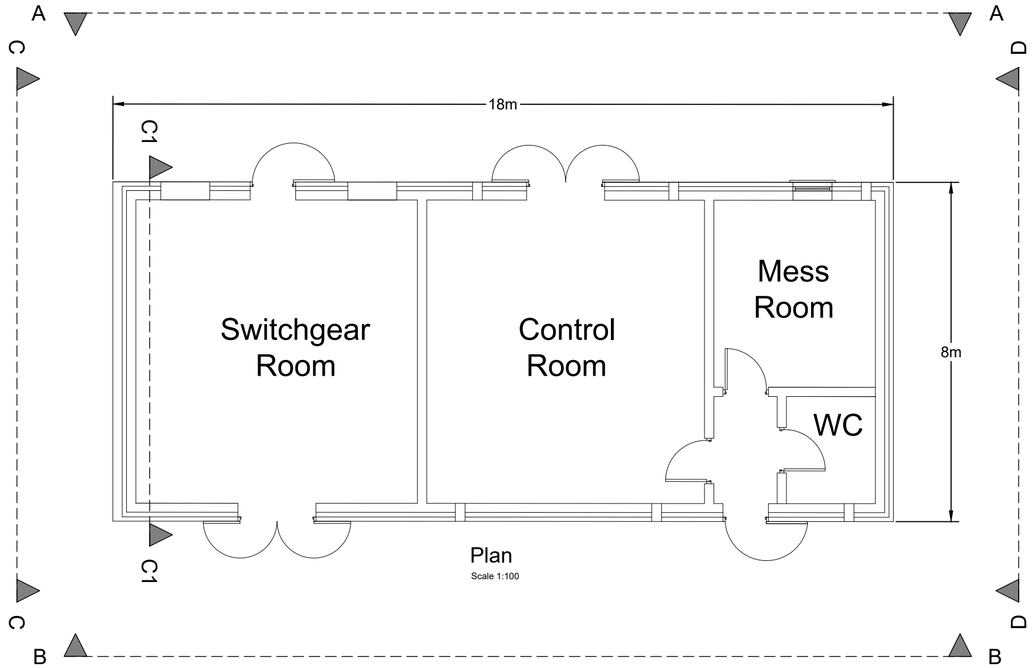
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

EirGrid Building - Plans, Section & Elevations

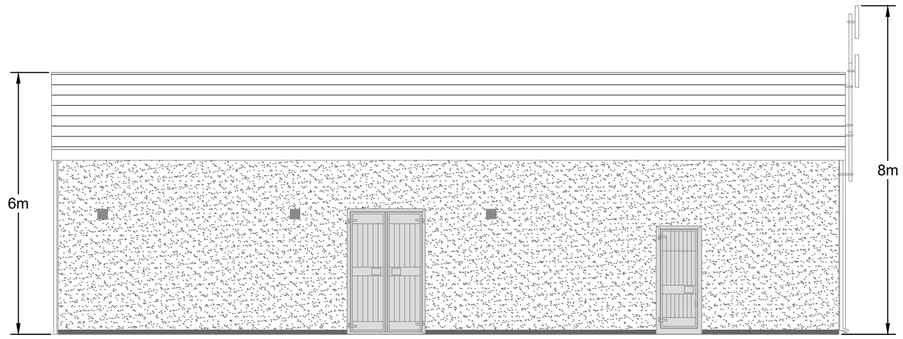
PROJECT No.:		DRAWING No.:	SCALE:
240225		**240225 - 40**	**As Shown @ A1**
DRAWN BY: **KD**	CHECKED BY: **AC**	DATE: **25.03.2026**	REVISION.: P01

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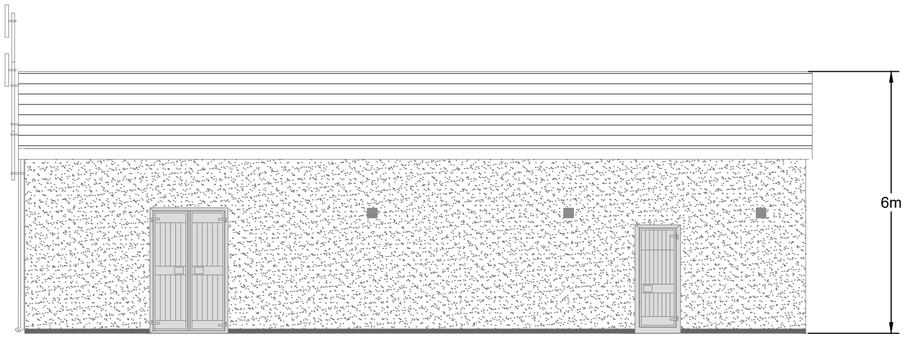
Plan

Scale 1:100



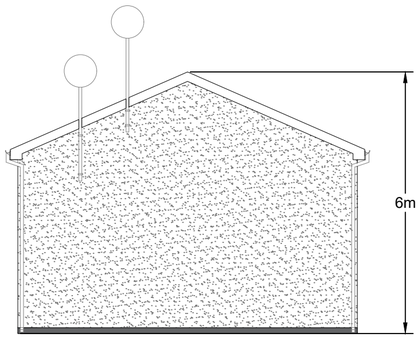
Section A-A

Scale 1:100



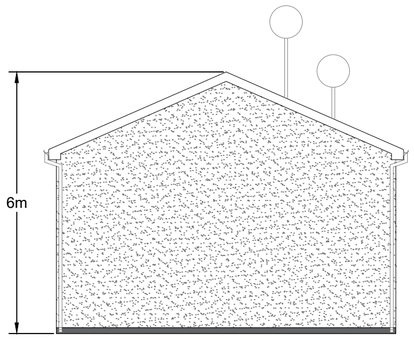
Section B-B

Scale 1:100



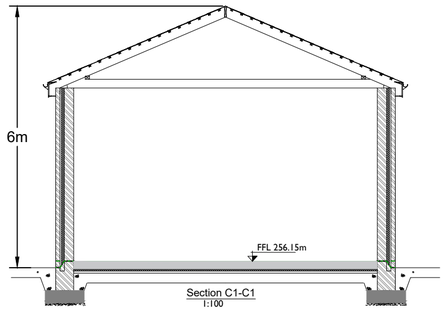
Section C-C

Scale 1:100



Section D-D

Scale 1:100



Section C1-C1

1:100

PROJECT TITLE:

Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:

IPP Building - Plans, Section & Elvations

PROJECT No.:	DRAWING No.:	SCALE:
240225	**240225 - 41**	**As Shown @ A2**

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	**AC**	**25.03.2026**	P01

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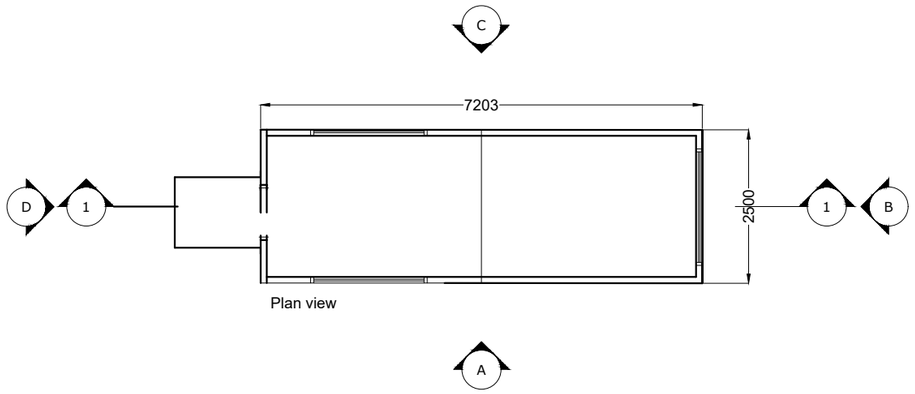
Note:

All dimensions are in millimetres, unless noted otherwise.

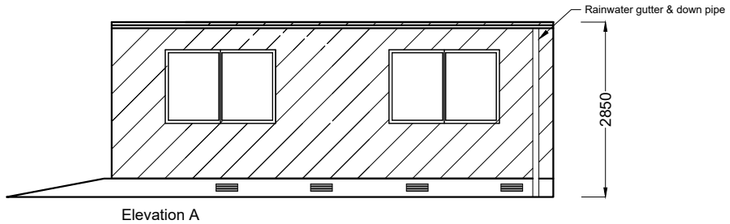
All dimensions to be checked on site and any discrepancy to be reported to the engineer.

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

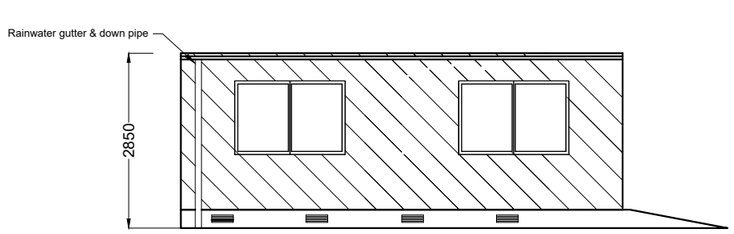
For illustration purposes only. Exact size and appearance of unit subject to manufacturer selection.



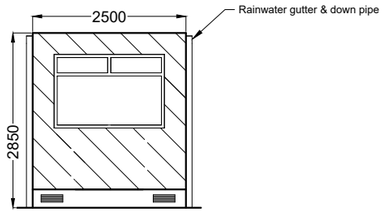
Plan view



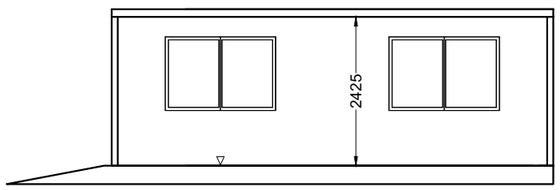
Elevation A



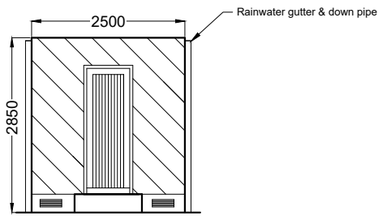
Elevation C



Elevation B



Section 1-1



Elevation D

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Security Cabin Detail

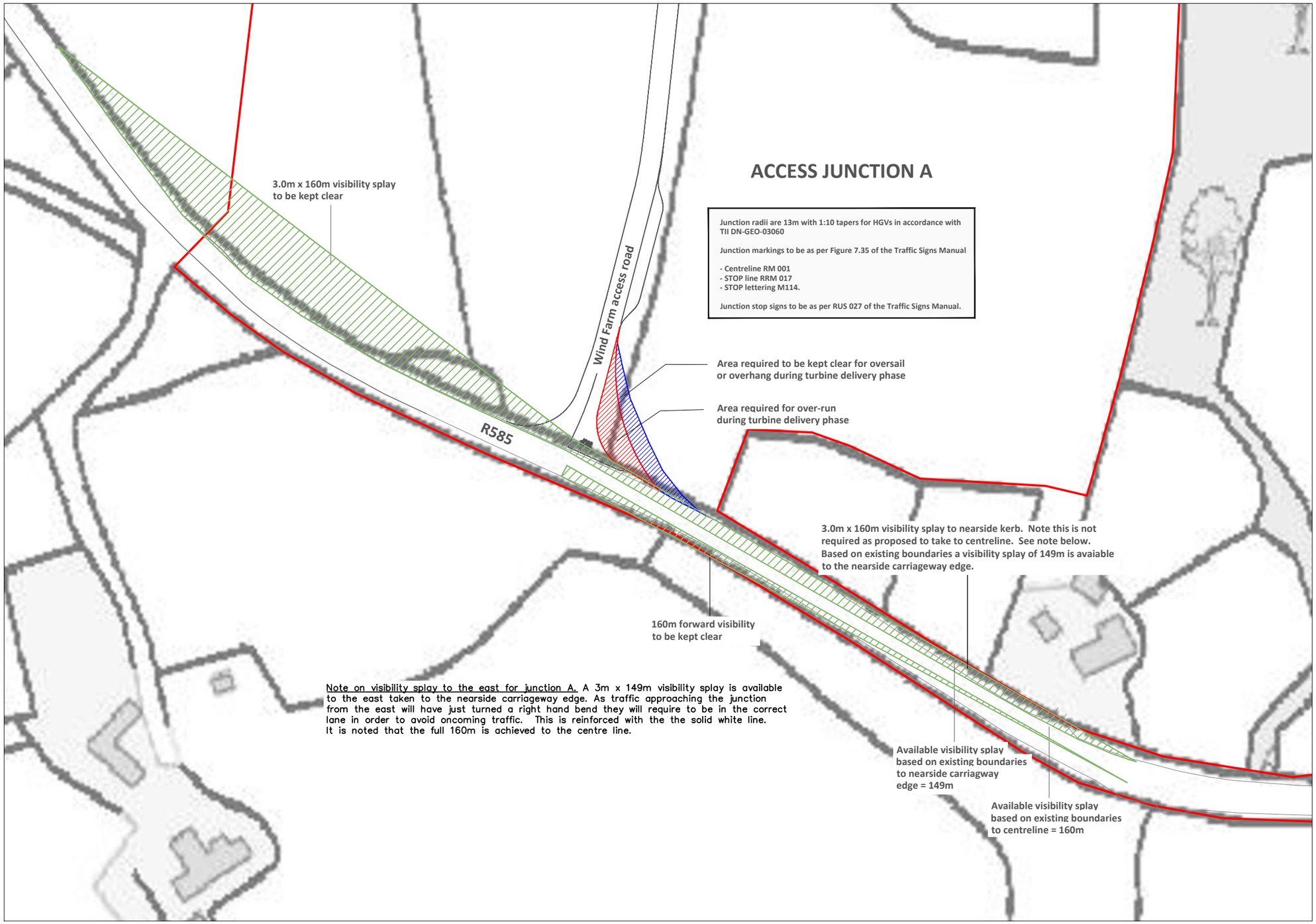
PROJECT No.:	DRAWING No.:	SCALE:
240225	200513 - 42	1:100 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	06.03.2026	P01

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Drawing Legend

- Proposed Track
- Transport Runover Area
- Blade Overhang Area
- Sight Line
- Proposed Application Boundary
- Existing Road/Tracks



ACCESS JUNCTION A

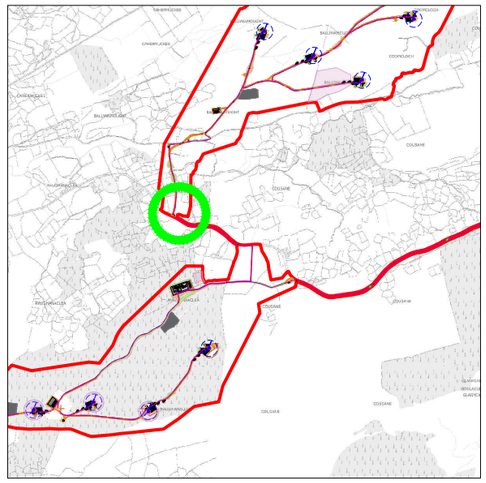
Junction radii are 13m with 1:10 tapers for HGVs in accordance with TII DN-GEO-03060

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.

Note on visibility splay to the east for junction A. A 3m x 149m visibility splay is available to the east taken to the nearside carriageway edge. As traffic approaching the junction from the east will have just turned a right hand bend they will require to be in the correct lane in order to avoid oncoming traffic. This is reinforced with the the solid white line. It is noted that the full 160m is achieved to the centre line.



1:50,000 Location on Context Map

N

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Proposed Access Junction A

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 43	1:1,000 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

ACCESS JUNCTION B

Junction radii are 13m with 1:10 tapers for HGVs in accordance with TII DN-GEO-03060

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.

3.0m x 160m visibility splay to be kept clear

160m forward visibility to be kept clear

Areas required to be kept clear for oversail or overhang during turbine delivery phase

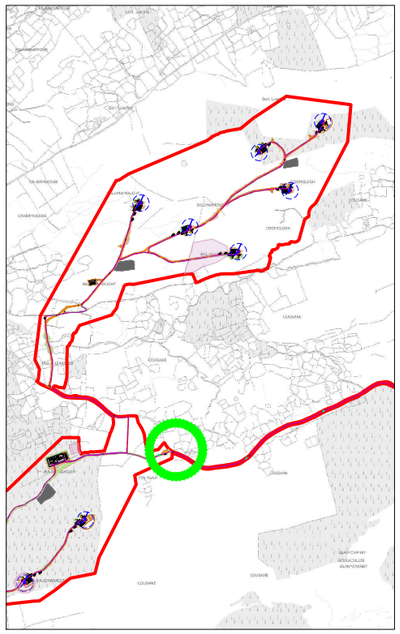
Area required for over-run during turbine delivery phase

Existing access track and proposed Wind Farm Access Road

3.0m x 160m visibility splay to be kept clear

R585

N



1:50,000 Location on Context Map

Drawing Legend

- Proposed Track
- Transport Runover Area
- Blade Overhang Area
- Sight Line
- Proposed Application Boundary
- Existing Road/Tracks

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Proposed Access Junction B

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 44	1:1,000 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

ACCESS JUNCTION C

Junction radii are 13m with 1:10 tapers for HGVs in accordance with TII DN-GEO-03060

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.

3.0m x 160m visibility splay to be kept clear

3.0m x 160m visibility splay to be kept clear

3.0m x 160m visibility splay to be kept clear

Access for abnormal loads only

Access for abnormal loads only

Areas required to be kept clear for oversail or overhang during turbine delivery phase

L8777

L8777

Wind farm access road

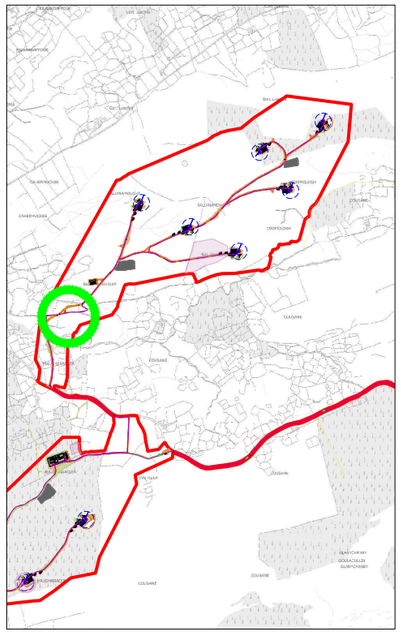
ACCESS JUNCTION D

Junction radii are 13m with 1:10 tapers for HGVs in accordance with TII DN-GEO-03060

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.



1:50,000 Location on Context Map

Drawing Legend

- Proposed Track
- Transport Runover Area
- Blade Overhang Area
- Sight Line
- Proposed Application Boundary
- Existing Road/Tracks

N

PROJECT TITLE:
Maughanaclea Renewable Energy Development Co.Cork

DRAWING TITLE:
Proposed Access Junction C and D

PROJECT No.:	DRAWING No.:	SCALE:
240225	240225 - 45	1:1,000 @ A3

DRAWN BY:	CHECKED BY:	DATE:	REVISION.:
KD	AC	25.03.2026	P01

Email: info@www.mkoireland.ie /Website: www.mkoireland.ie

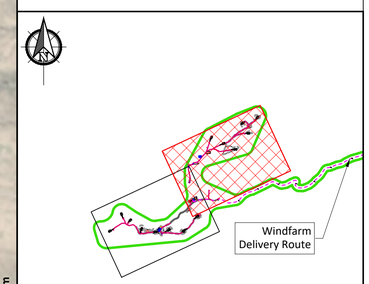


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling
- Peat Depth Probe Location

Peat Depth Legend:

- ≥ 0 < 0.5
- ≥ 0.5 < 1
- ≥ 1 < 1.5
- ≥ 1.5 < 2
- ≥ 2 < 2.5
- ≥ 2.5 < 3
- ≥ 3 < 3.5
- ≥ 3.5 ≤ 4



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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P03	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

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SHEET
PEAT DEPTH CONTOUR PLAN
SHEET 1 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0001 (Sheet set subset 0600)		Rev P03
Checked by IH			

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27 February 2026

T13
T14
T12
T11
T10
T09
T08
T07
Permanent Met Mast

0m 50m 100m 150m 200m 250m 300m 350m 400m 450m 500m

Scale 1:5000

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling
- Peat Depth Probe Location

Peat Depth Legend:

- ≥ 0 < 0.5
- ≥ 0.5 < 1
- ≥ 1 < 1.5
- ≥ 1.5 < 2
- ≥ 2 < 2.5
- ≥ 2.5 < 3
- ≥ 3 < 3.5
- ≥ 3.5 ≤ 4

Windfarm Delivery Route

PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

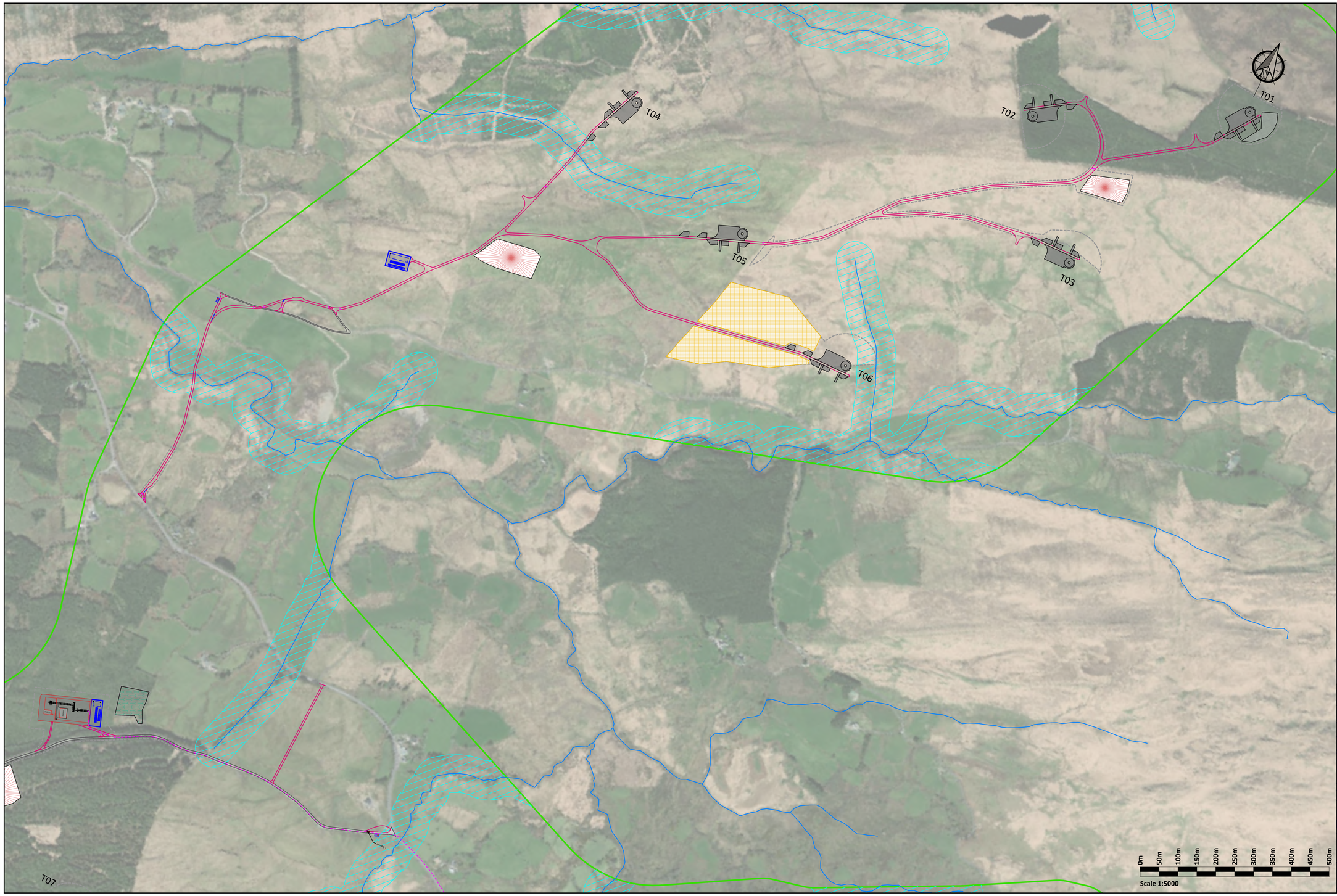
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SHEET
PEAT DEPTH CONTOUR PLAN
SHEET 2 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0002 (Sheet set subset 0600)		Rev P03
Checked by IH			

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27 February 2026

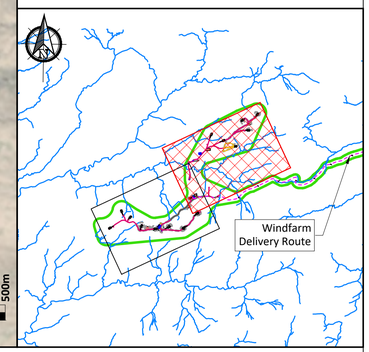


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Area Forestry Felling
- Peat Depth Probe Location

Construction Buffer Zone Legend:

- Watercourses / Lakes with 50m Buffer
- Buffer zone to areas where no construction will be undertaken.



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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P03	FOR INFORMATION	BDH	16.02.26
P04	FOR INFORMATION	BDH	12.03.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

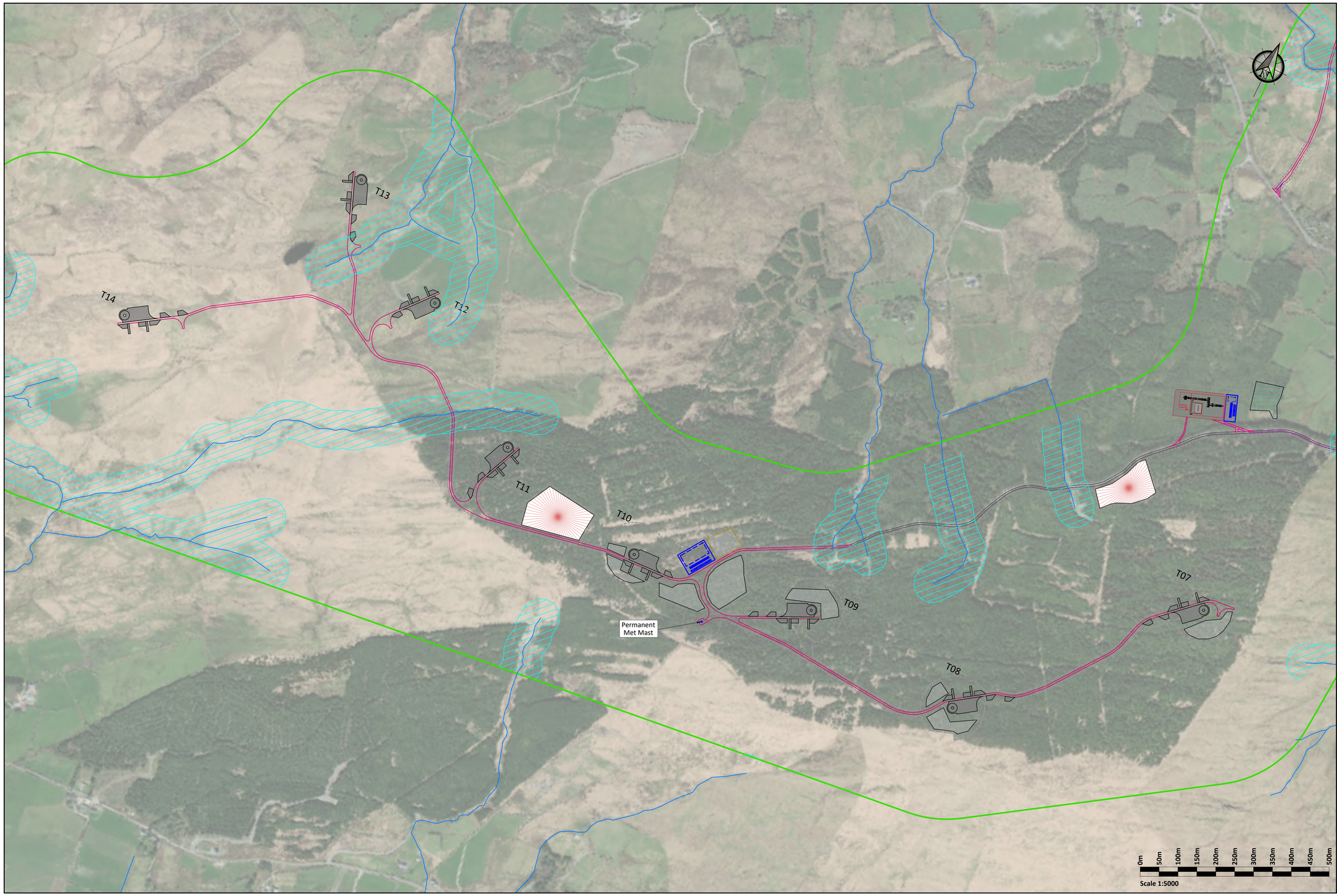
SHEET
CONSTRUCTION BUFFER ZONE SHEET 1 OF 2

CLIENT
MKO

Date 12.03.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0003		Rev P04
Checked by IH	(Sheet set subset 0600)		

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12 March 2026

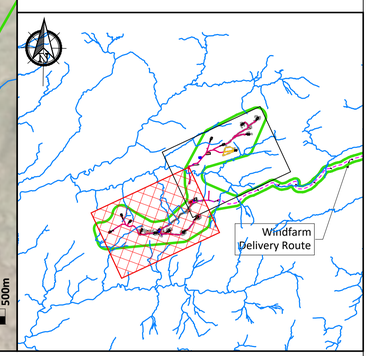


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling
- Peat Depth Probe Location

Construction Buffer Zone Legend:

- Watercourses / Lakes with 50m Buffer
- Buffer zone to areas where no construction will be undertaken.



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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P04	FOR INFORMATION	BDH	12.03.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

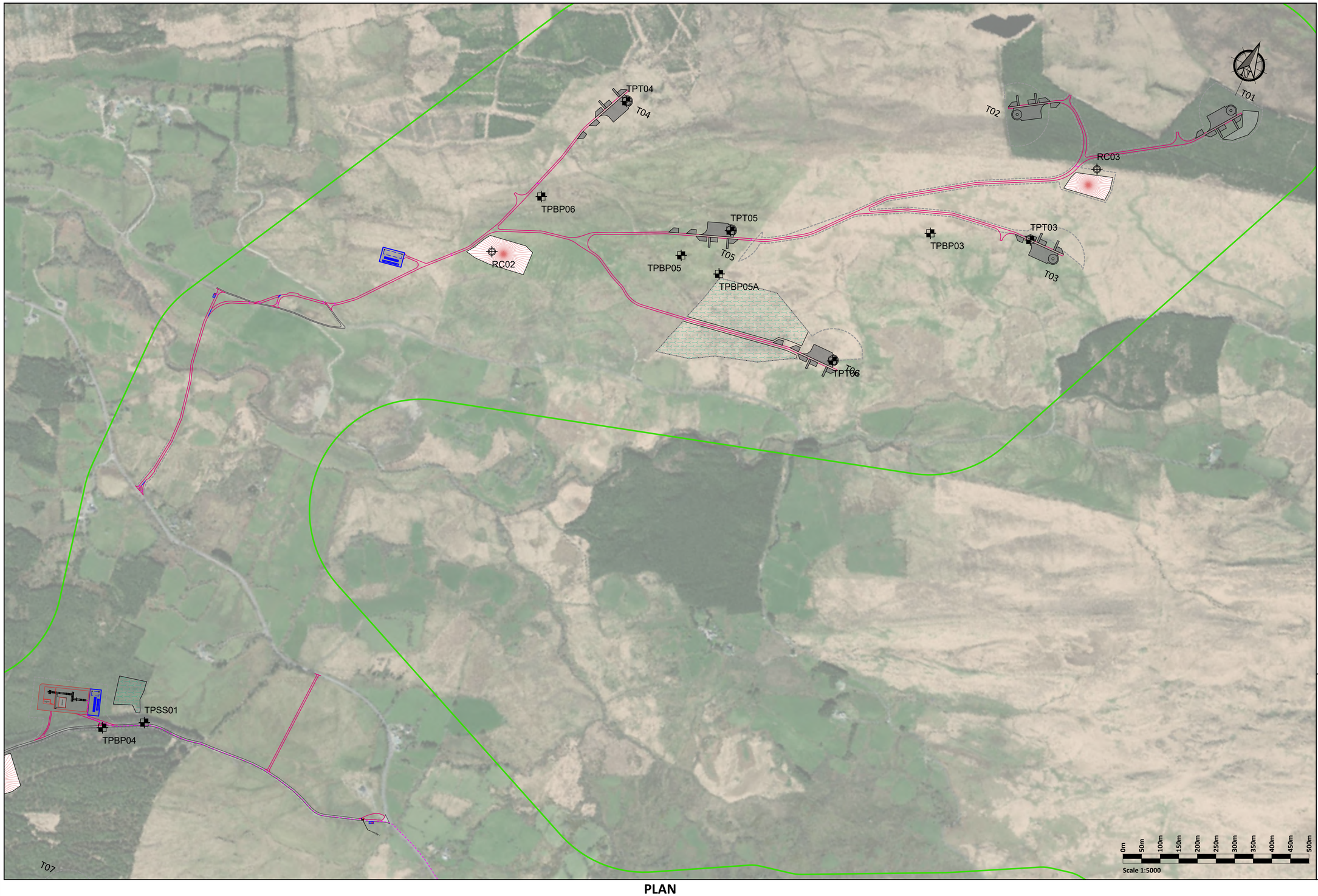
SHEET
CONSTRUCTION BUFFER ZONE SHEET 2 OF 2

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Date 12.03.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0004 (Sheet set subset 0600)		Rev P04
Checked by IH			

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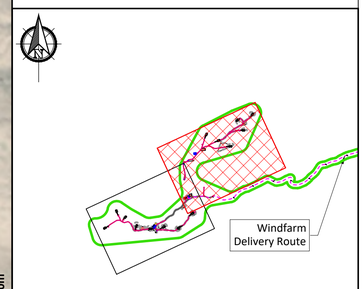


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling

TPxx
- Proposed Trial Pit

RCxx
- Proposed Rotary Core



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

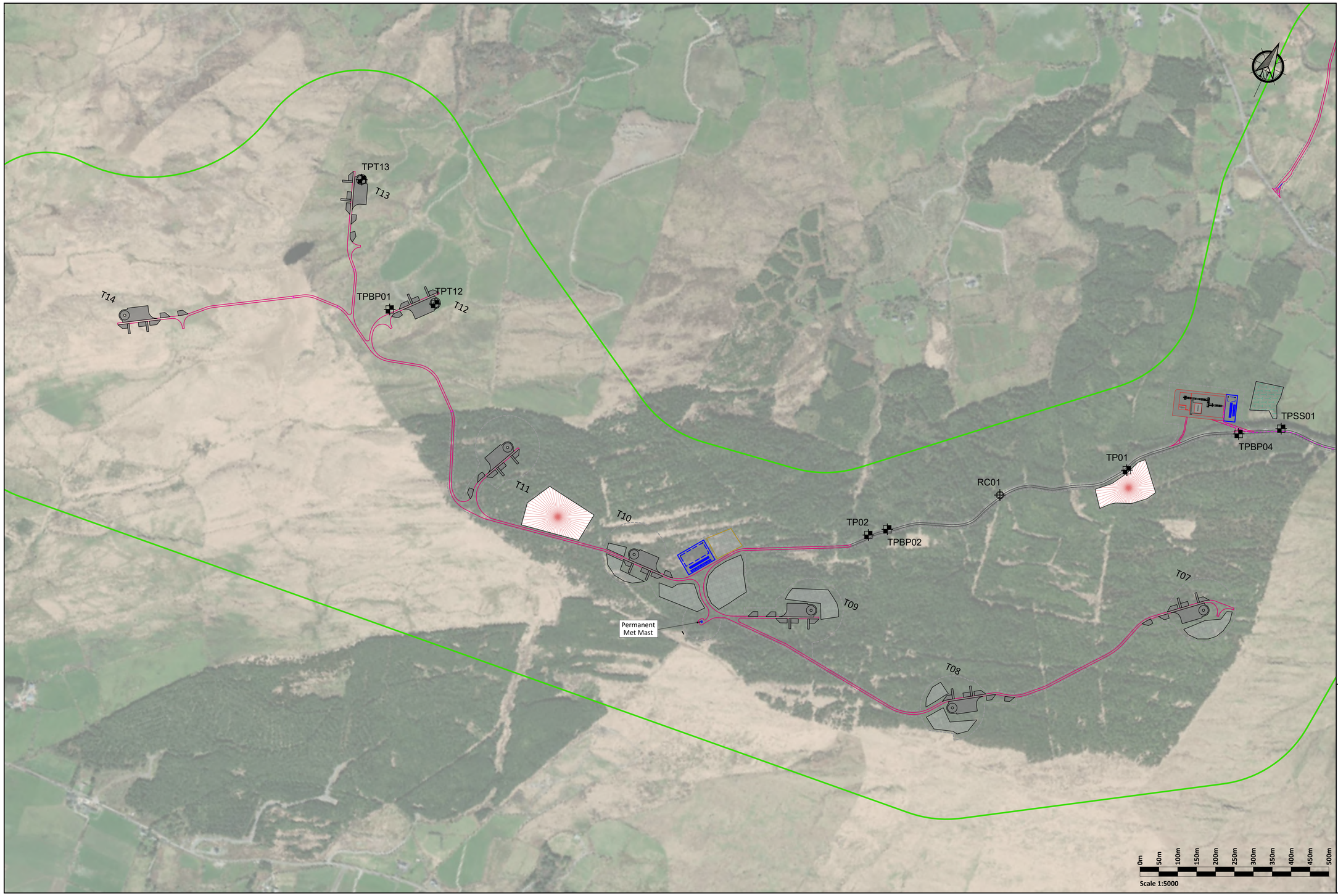
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SHEET
GROUND INVESTIGATION LOCATION PLAN SHEET 1 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0005 (Sheet set subset 0600)		Rev P03
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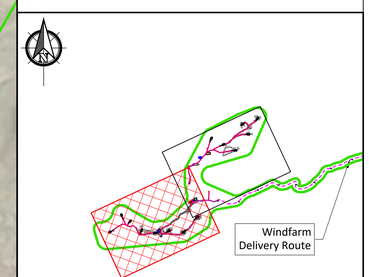


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling

TPxx — Proposed Trial Pit

RCxx — Proposed Rotary Core



PLAN

Scale 1:5000

KEYPLAN

Scale 1:100000

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PROJECT

MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

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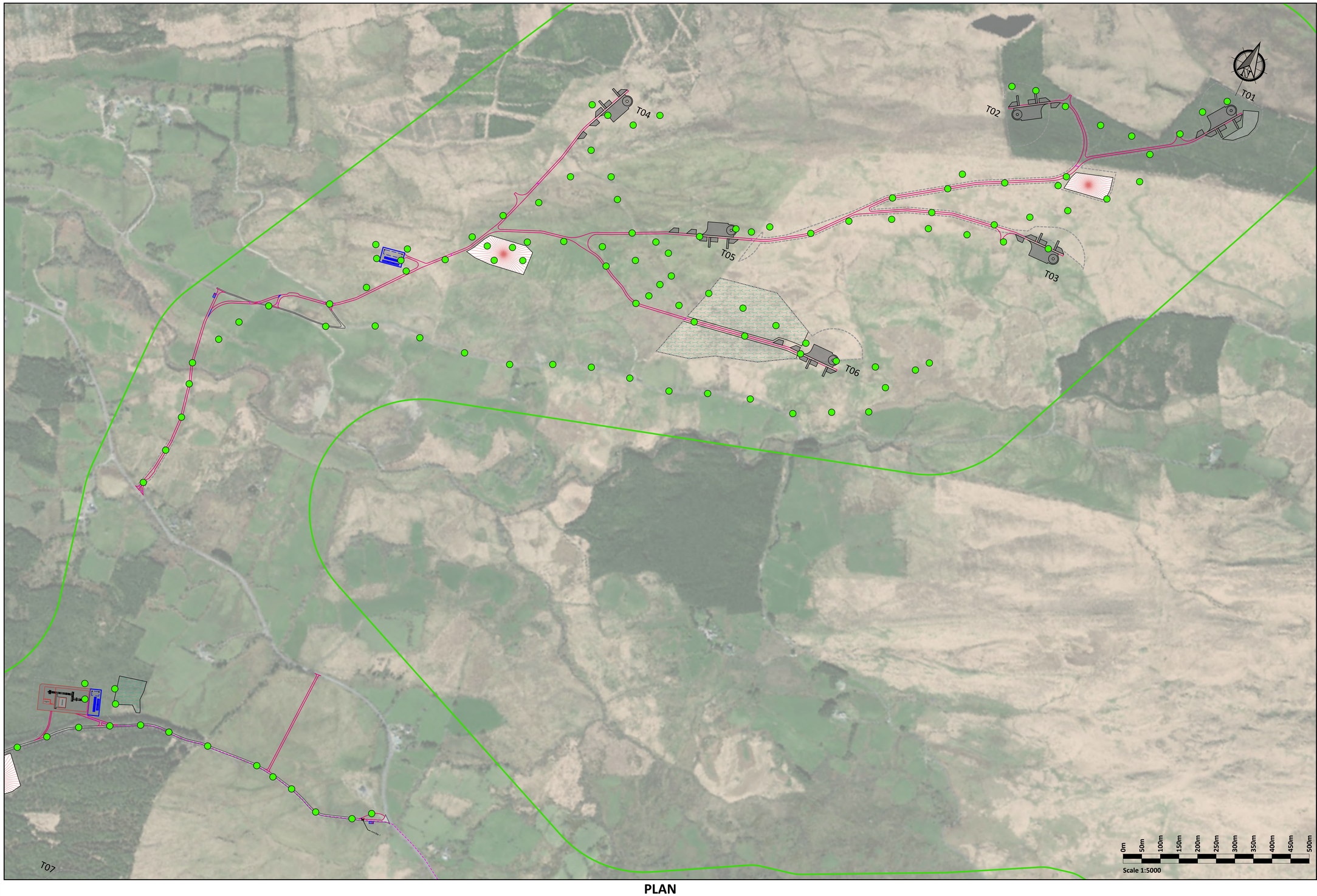
SHEET

GROUND INVESTIGATION LOCATION PLAN SHEET 2 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0006 (Sheet set subset 0600)		Rev P03
Checked by IH			

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Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling

Factor of Safety Legend:

- 0 < 1.0
- ≥ 1.0 < 1.3
- ≥ 1.3

Increasing Stability

No Peat Recorded
At This Location



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

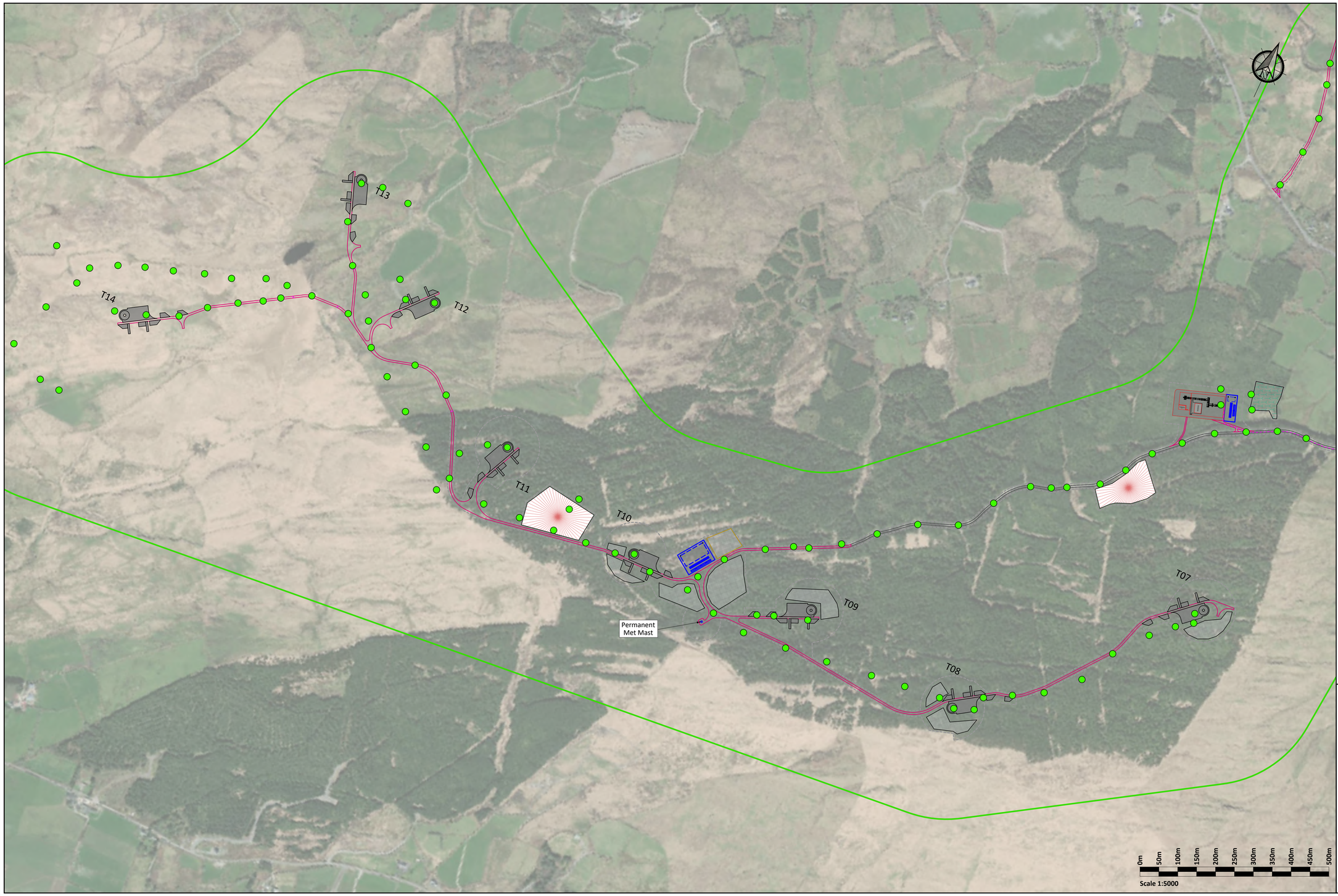
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SHEET
FACTOR OF SAFETY PLAN SHORT TERM CRITICAL CONDITION (UNDRAINED) SHEET 1 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0007 (Sheet set subset 0600)		Rev P03
Checked by IH			

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25 February 2026



Legend:

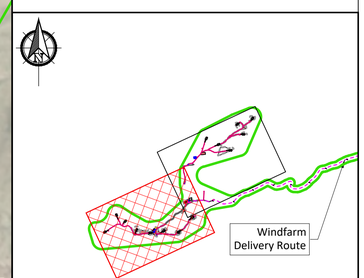
- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling

Factor of Safety Legend:

- 0 < 1.0
- ≥ 1.0 < 1.3
- ≥ 1.3

Increasing Stability

No Peat Recorded
At This Location



PLAN

Scale 1:5000

KEYPLAN

Scale 1:100000

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PROJECT

MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

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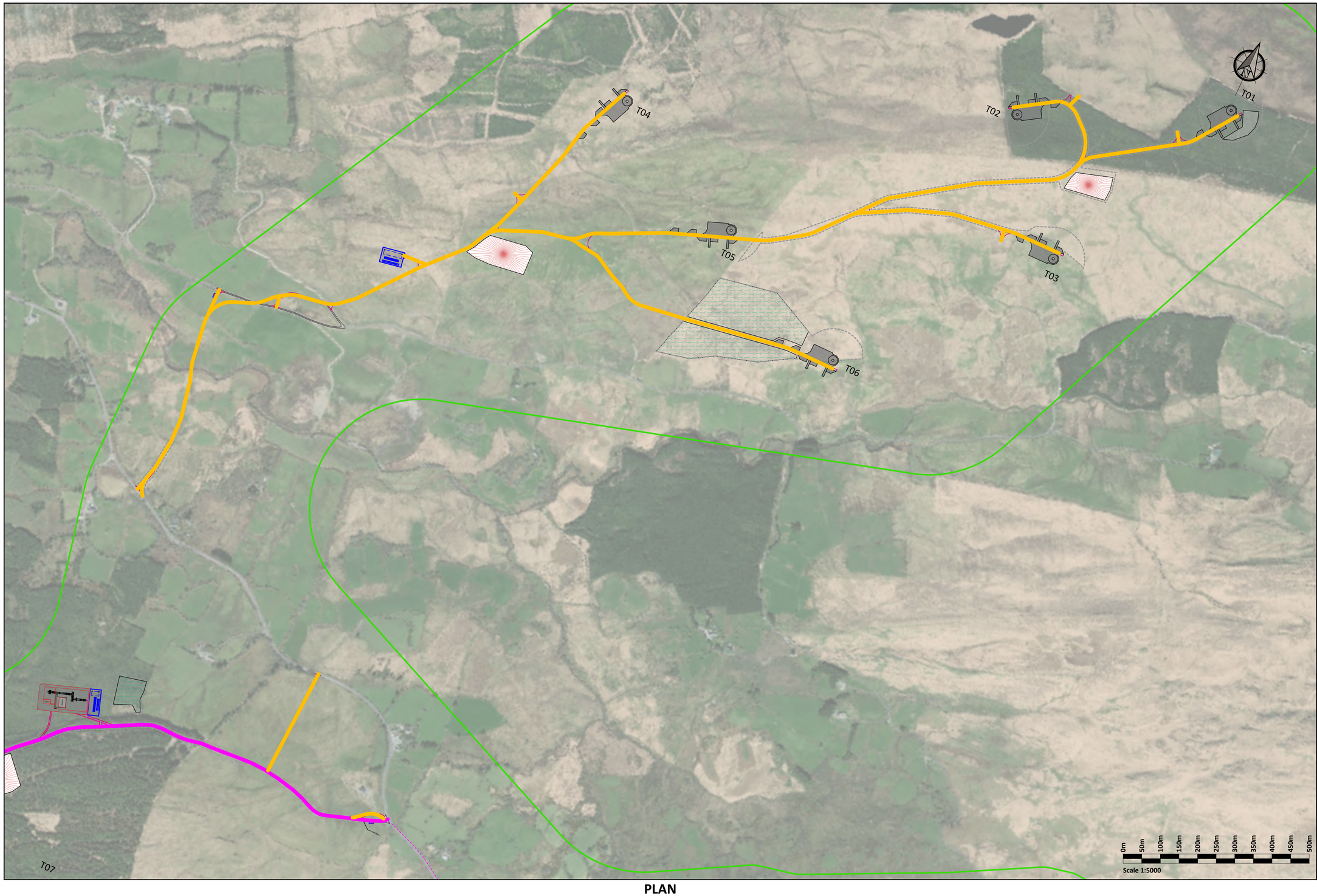
SHEET

FACTOR OF SAFETY PLAN SHORT TERM CRITICAL CONDITION (UNDRAINED) SHEET 2 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0008		Rev P03
Checked by IH	(Sheet set subset 0600)		

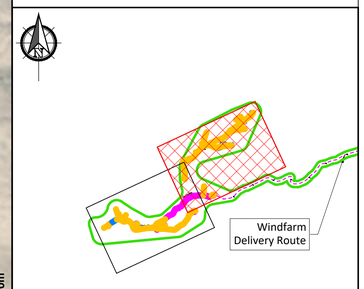
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25 February 2026



Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling
- Type A - Upgrade of Existing Excavated Access Tracks
- Type B - New Excavate & Replace Access Road
- Type C - New Floated Access Road



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

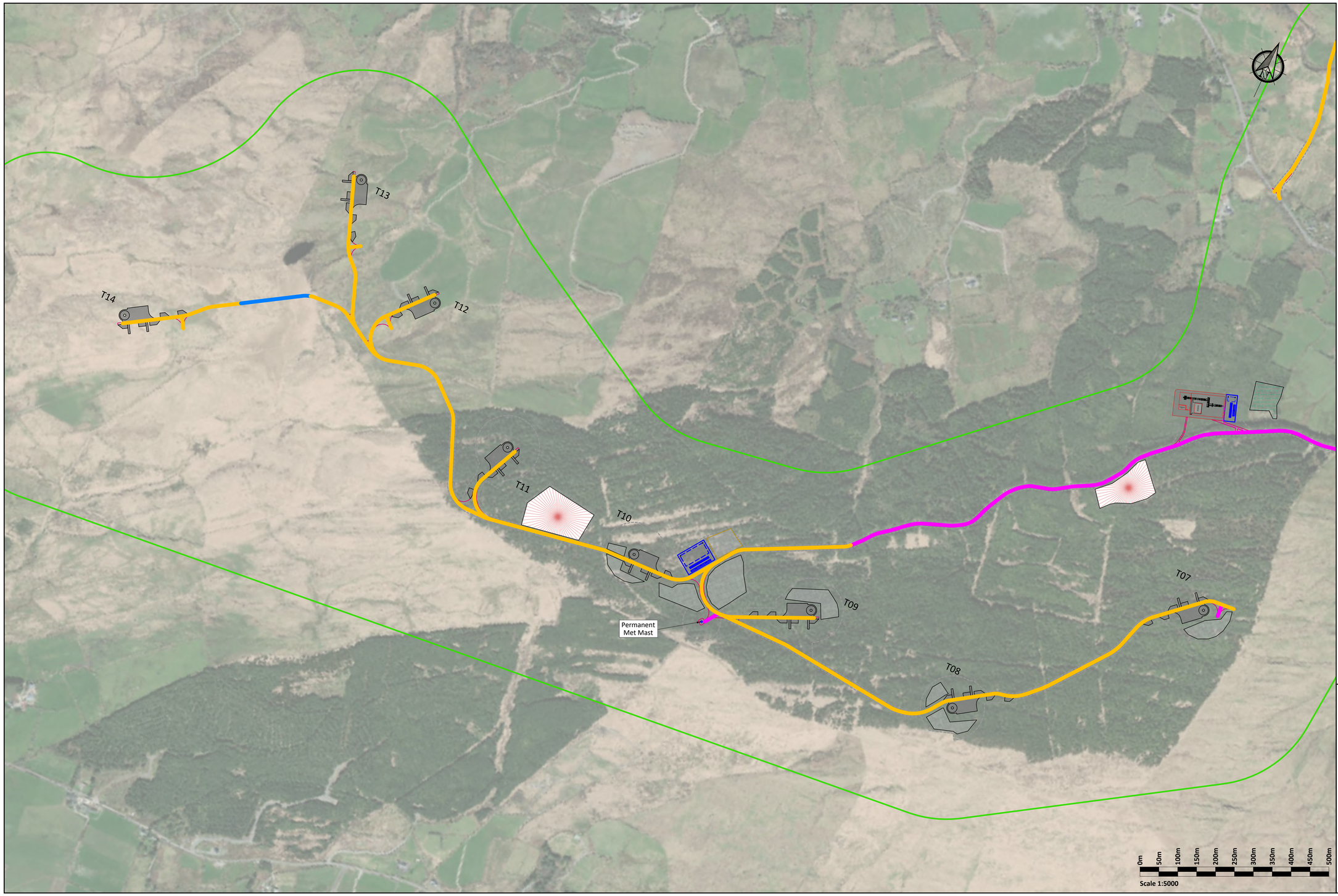
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SHEET
ROAD CONSTRUCTION TYPES PLAN
SHEET 1 0F 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0009		Rev P02
Checked by IH	(Sheet set subset 0600)		

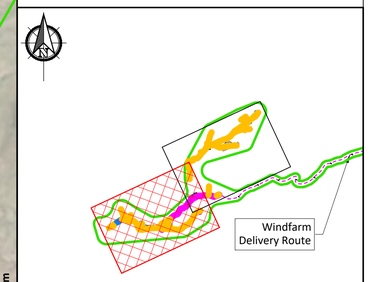
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25 February 2026



Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling
- Type A - Upgrade of Existing Excavated Access Tracks
- Type B - New Excavate & Replace Access Road
- Type C - New Floated Access Road



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

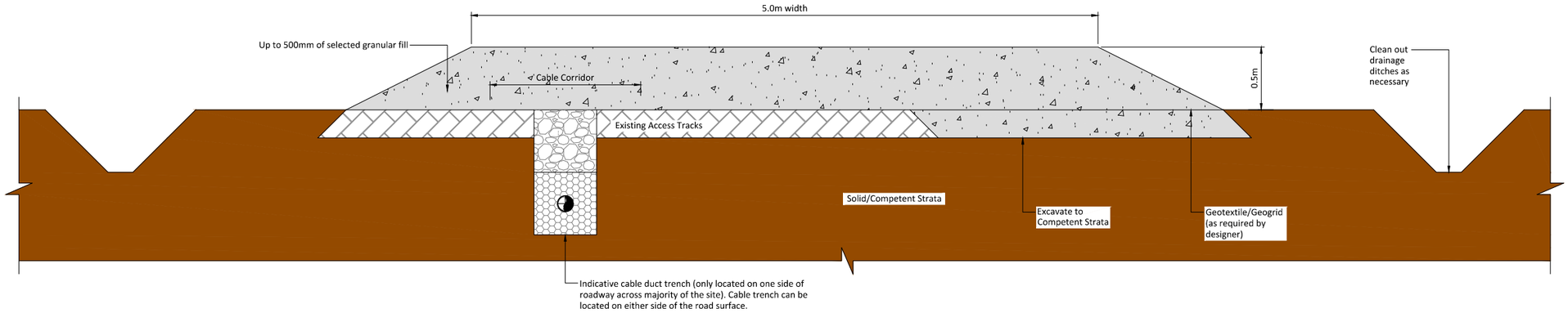
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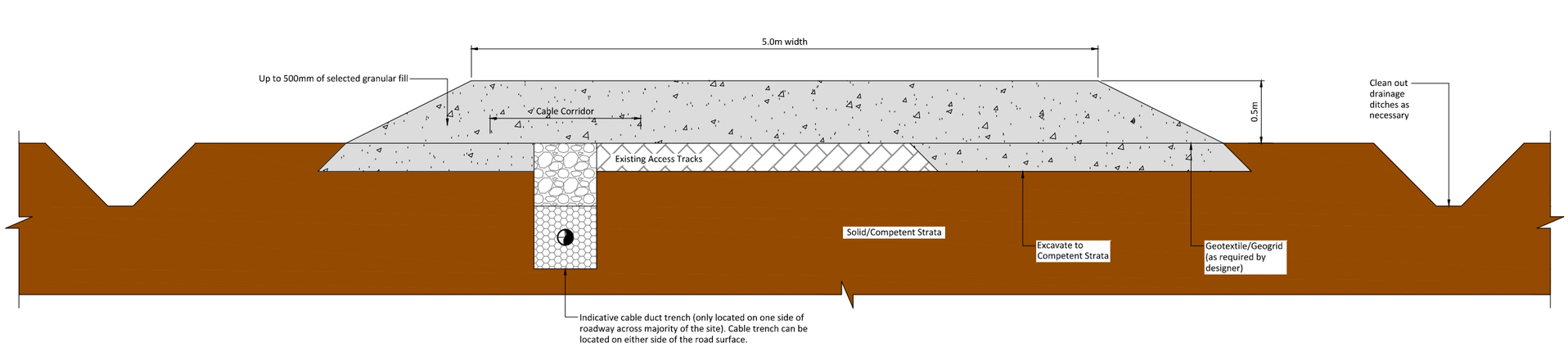
SHEET
ROAD CONSTRUCTION TYPES PLAN
SHEET 2 0F 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0010 (Sheet set subset 0600)		Rev P02
Checked by IH			

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PROJECT
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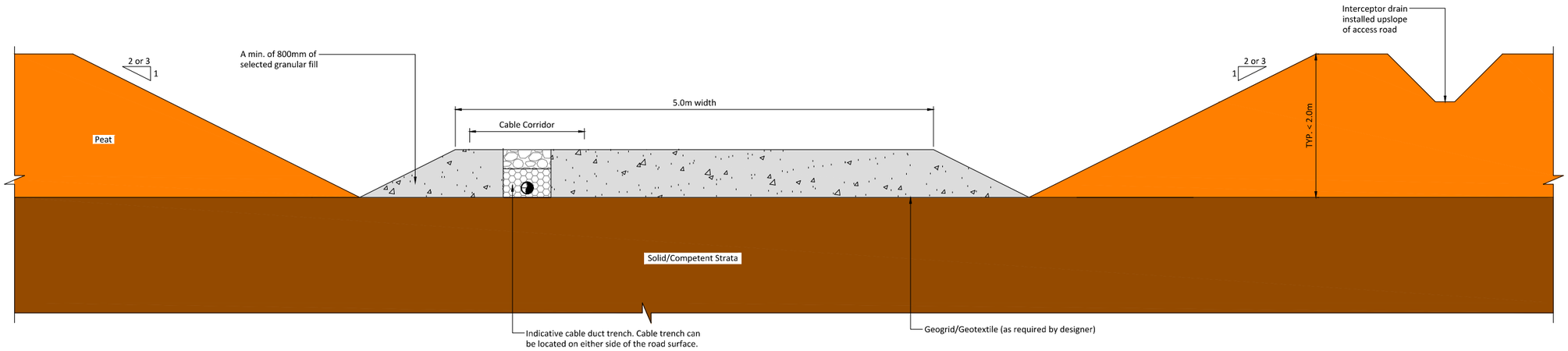
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MKO

SHEET
TYPE A UPGRADE OF EXISTING EXCAVATED ACCESS ROAD

Date 16.02.26	Project number P24-118	Scale (@ A1) Scale N/A	
Drawn by POR	Drawing Number P24-118-0600-0011		Rev P01
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PROJECT
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CLIENT
MKO

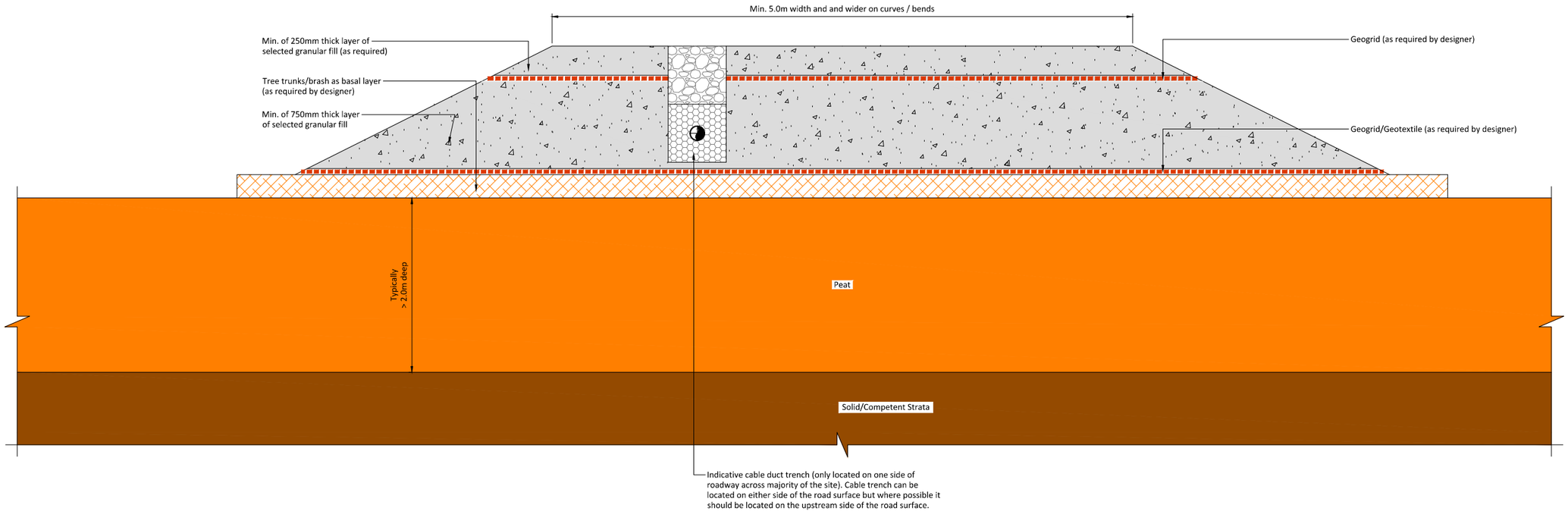
SHEET
TYPE B NEW EXCAVATE AND REPLACE ACCESS TRACK

Date 16.02.26	Project number P24-118	Scale (@ A1) As Shown	
Drawn by POR	Drawing Number P24-118-0600-0012		Rev P01
Checked by IH			

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25 February 2026

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

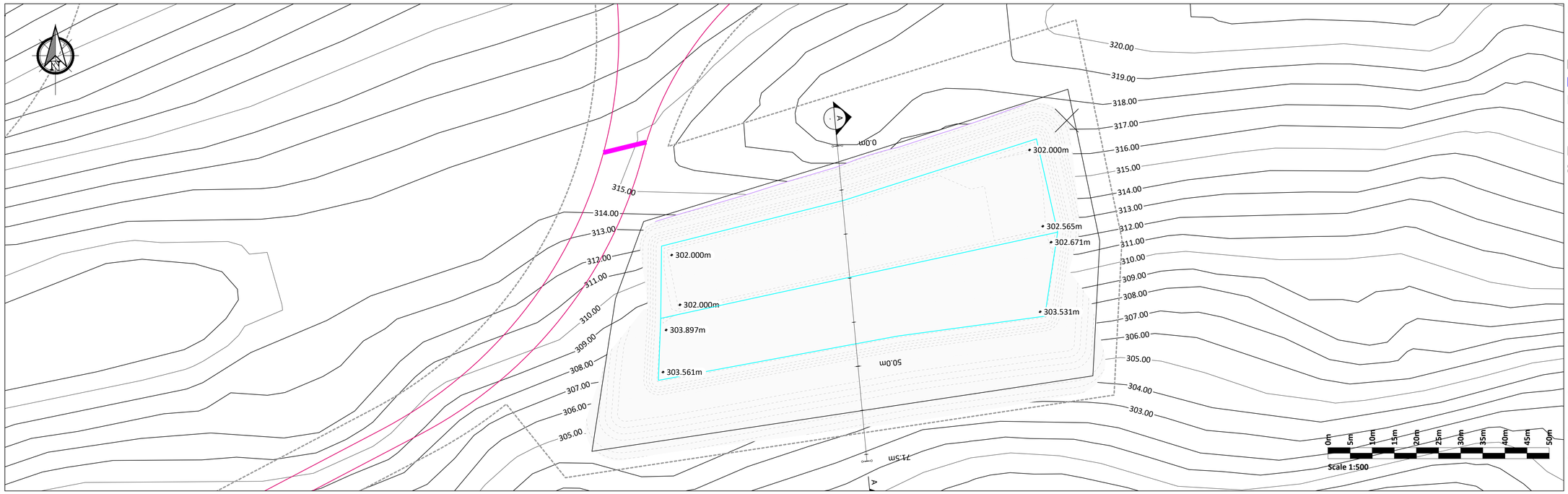
CLIENT
MKO

SHEET
TYPE C NEW FLOATED ACCESS ROAD

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:20	
Drawn by POR	Drawing Number P24-118-0600-0013		Rev P01
Checked by IH	(Sheet set subset 0600)		

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25 February 2026



PLAN

1:500

- -

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Borrow Pit Construction Notes:

(1) It is proposed to construct the borrow pit so that the base of the borrow pit is below the level of the adjacent section of access road.

(2) Slopes within the excavated rock formed around the perimeter of the borrow pit will be formed at stable inclinations to suit local in-situ rock conditions.

(3) Infilling of the peat & spoil will commence at the back edge of the borrow pit and progress towards the borrow pit entrance/rock buttress. Excavation and infilling of the borrow pit will need to be sequenced and programmed.

(4) The contractor excavating the rock will sequence the borrow pit construction in a way which will allow the excavated peat & spoil to be reinstated safely.

(5) The borrow pit will be developed in cells, with two cells for storage of peat and two for spoil/overburden.

(6) The rock buttress will be founded on competent strata. The founding stratum for the rock buttress will be inspected and approved by the Project Geotechnical Engineer.

(7) In order to prevent water retention occurring behind the buttresses, the buttresses will be constructed of coarse boulder fill with a high permeability.

(8) The surface of the placed peat & spoil will be shaped to allow efficient run-off of surface water from the placed arising's. The finished surface of the spoil cells will have a maximum grade of 5 degrees.

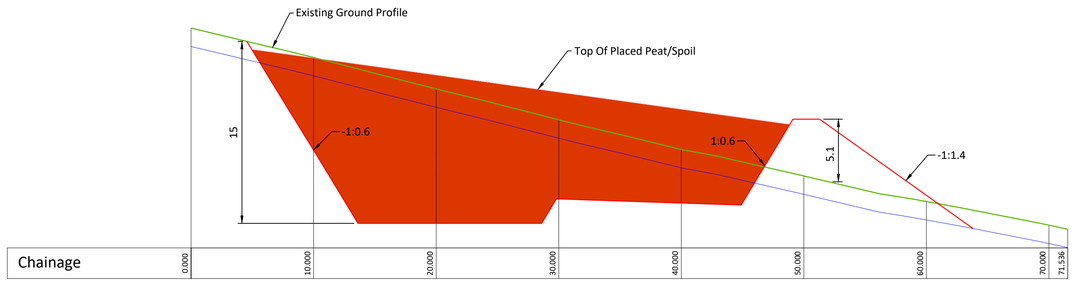
(9) Control of groundwater within the borrow pit will be required and measures will be determined as part of the ground investigation programme.

(10) An interceptor drain will be installed around the upslope side of the borrow pit to capture surface water flow and divert it around the borrow pit.

(11) A perimeter drain will be installed around the individual cells, which will outfall to a settlement pond on the downslope side of the borrow pit (not shown on plan).

(12) All the above-mentioned general guidelines and requirements will be confirmed by the designer prior to construction.

(13) Further guidelines on the construction of the borrow pit is included within Section 6.5 of the Peat & Spoil Management Plan.

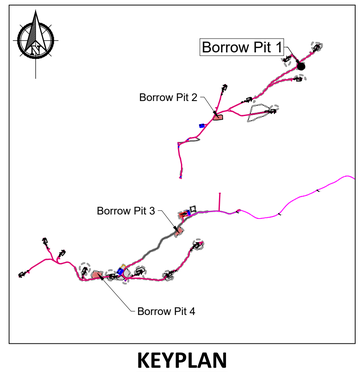


SECTION

1:250

A

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KEYPLAN

Scale 1:50000

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	16.02.26

PROJECT

MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

CLIENT

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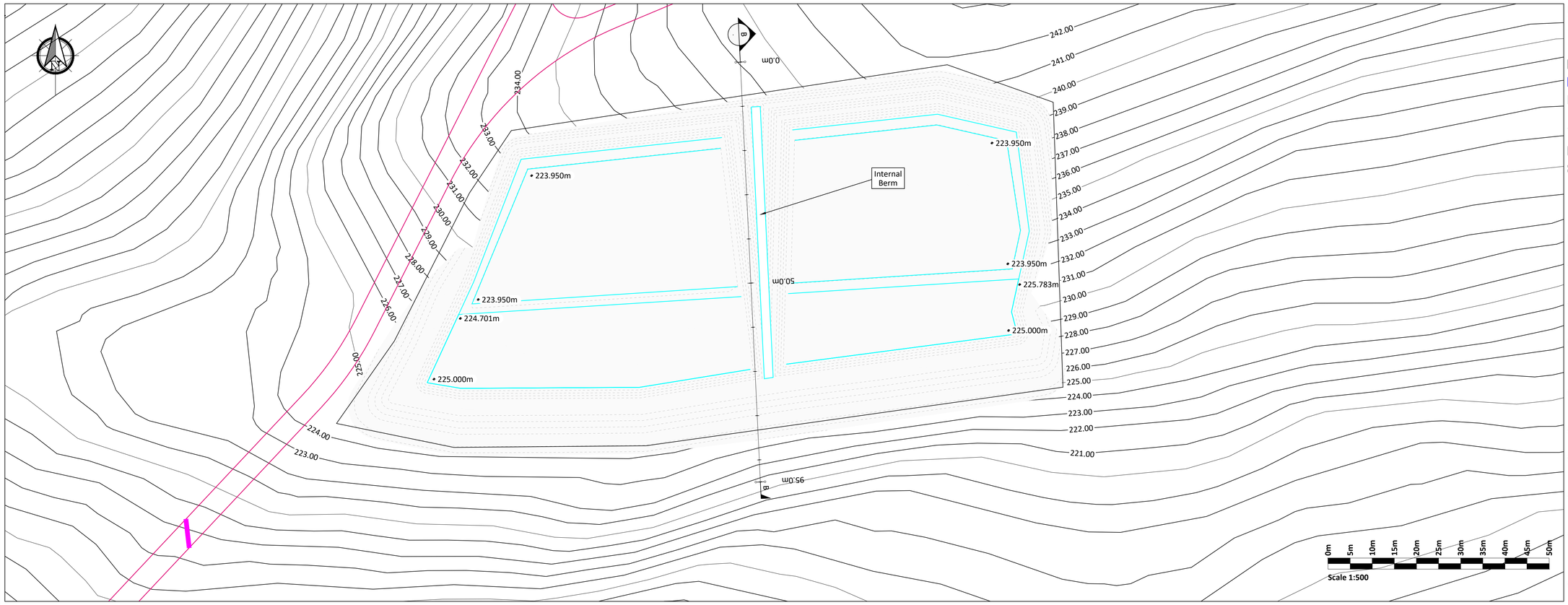
SHEET

BORROW PIT 1 PLAN AND SECTION

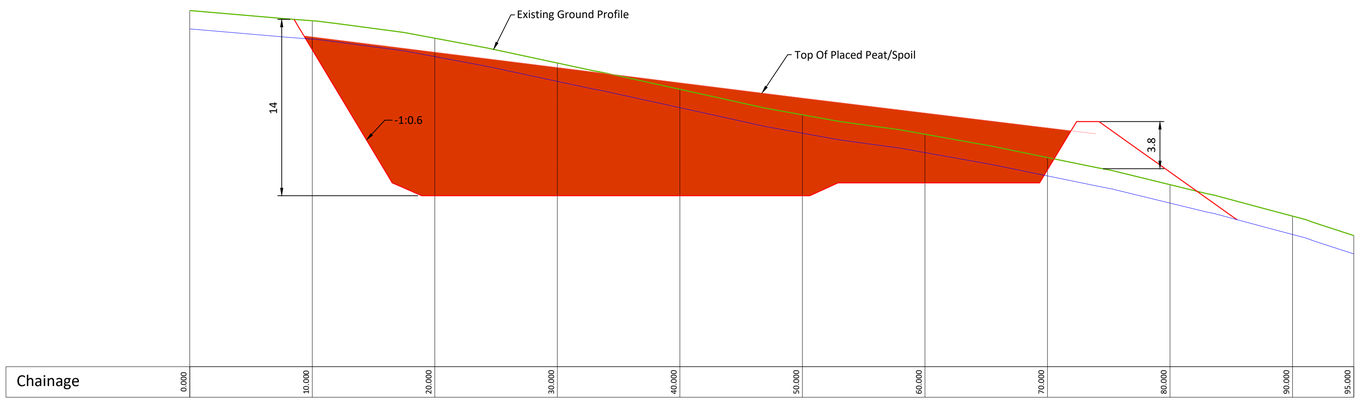
Date 16.02.26	Project number P24-118	Scale (@ A1) 1:500	
Drawn by POR	Drawing Number P24-118-0600-0014		Rev P02
Checked by IH	(Sheet set subset 0600)		

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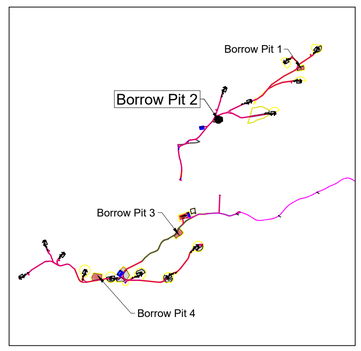
25 February 2026



PLAN
1:500
- / -



SECTION
1:250
B / -



KEYPLAN
Scale 1:50000

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Borrow Pit Construction Notes:

(1) It is proposed to construct the borrow pit so that the base of the borrow pit is below the level of the adjacent section of access road.

(2) Slopes within the excavated rock formed around the perimeter of the borrow pit will be formed at stable inclinations to suit local in-situ rock conditions.

(3) Infilling of the peat & spoil will commence at the back edge of the borrow pit and progress towards the borrow pit entrance/rock buttress. Excavation and infilling of the borrow pit will need to be sequenced and programmed.

(4) The contractor excavating the rock will sequence the borrow pit construction in a way which will allow the excavated peat & spoil to be reinstated safely.

(5) The borrow pit will be developed in cells, with two cells for storage of peat and two for spoil/overburden.

(6) The rock buttress will be founded on competent strata. The founding stratum for the rock buttress will be inspected and approved by the Project Geotechnical Engineer.

(7) In order to prevent water retention occurring behind the buttresses, the buttresses will be constructed of coarse boulder fill with a high permeability.

(8) The surface of the placed peat & spoil will be shaped to allow efficient run-off of surface water from the placed arising's. The finished surface of the spoil cells will have a maximum grade of 5 degrees.

(9) Control of groundwater within the borrow pit will be required and measures will be determined as part of the ground investigation programme.

(10) An interceptor drain will be installed around the upslope side of the borrow pit to capture surface water flow and divert it around the borrow pit.

(11) A perimeter drain will be installed around the individual cells, which will outfall to a settlement pond on the downslope side of the borrow pit (not shown on plan).

(12) All the above-mentioned general guidelines and requirements will be confirmed by the designer prior to construction.

(13) Further guidelines on the construction of the borrow pit is included within Section 6.5 of the Peat & Spoil Management Plan.

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

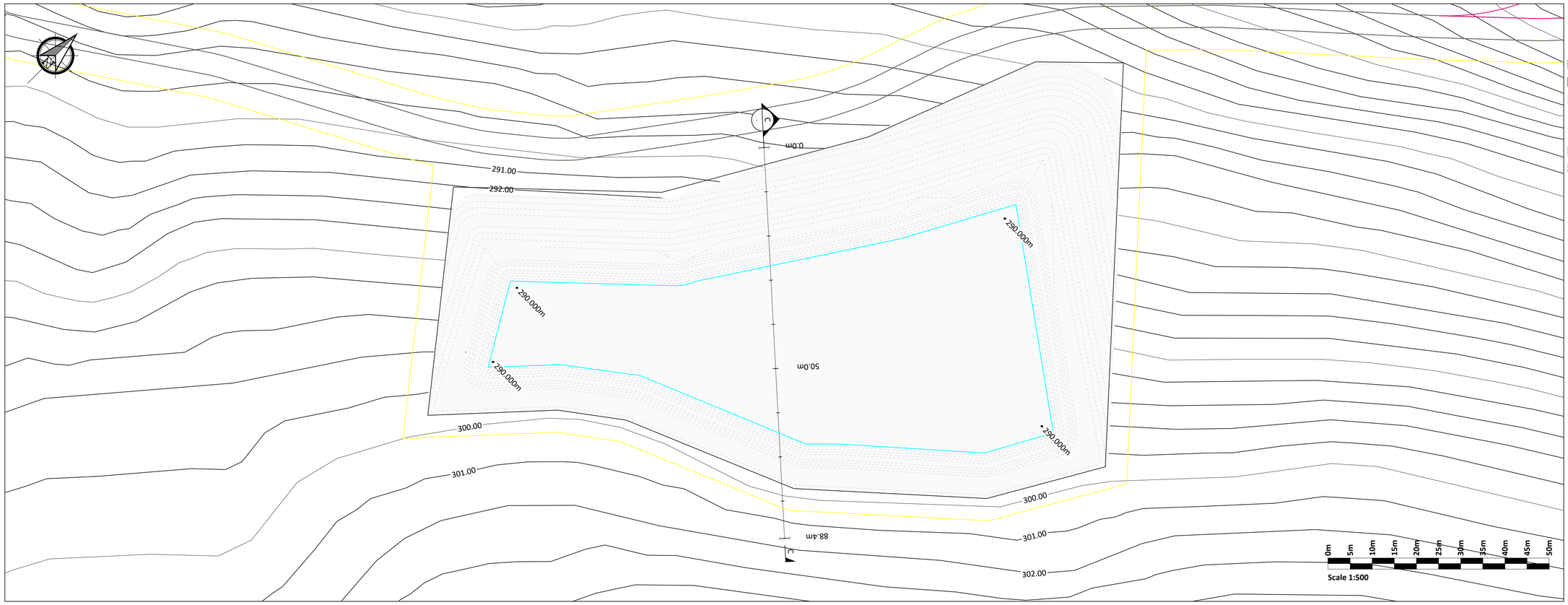
CLIENT
MKO

SHEET
BORROW PIT 2 PLAN AND SECTION

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:500	
Drawn by POR	Drawing Number P24-118-0600-0015		Rev P02
Checked by IH	(Sheet set subset 0600)		

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25 February 2026



PLAN
1:500
C
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Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Borrow Pit Construction Notes:

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(8) The surface of the placed peat & spoil will be shaped to allow efficient run-off of surface water from the placed arising's. The finished surface of the spoil cells will have a maximum grade of 5 degrees.

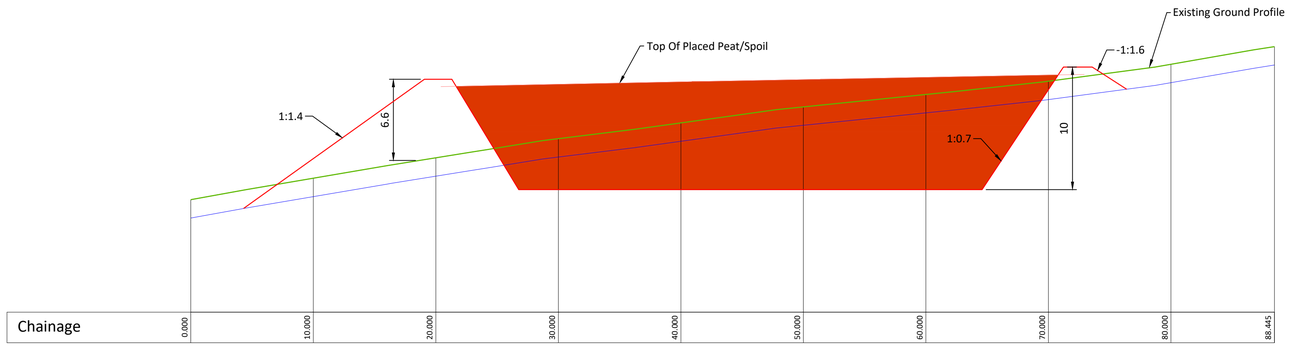
(9) Control of groundwater within the borrow pit will be required and measures will be determined as part of the ground investigation programme.

(10) An interceptor drain will be installed around the upslope side of the borrow pit to capture surface water flow and divert it around the borrow pit.

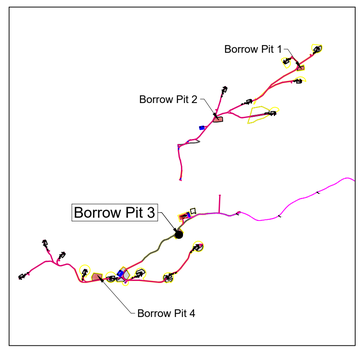
(11) A perimeter drain will be installed around the individual cells, which will outfall to a settlement pond on the downslope side of the borrow pit (not shown on plan).

(12) All the above-mentioned general guidelines and requirements will be confirmed by the designer prior to construction.

(13) Further guidelines on the construction of the borrow pit is included within Section 6.5 of the Peat & Spoil Management Plan.



SECTION
1:250
C
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KEYPLAN
Scale 1:50000

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

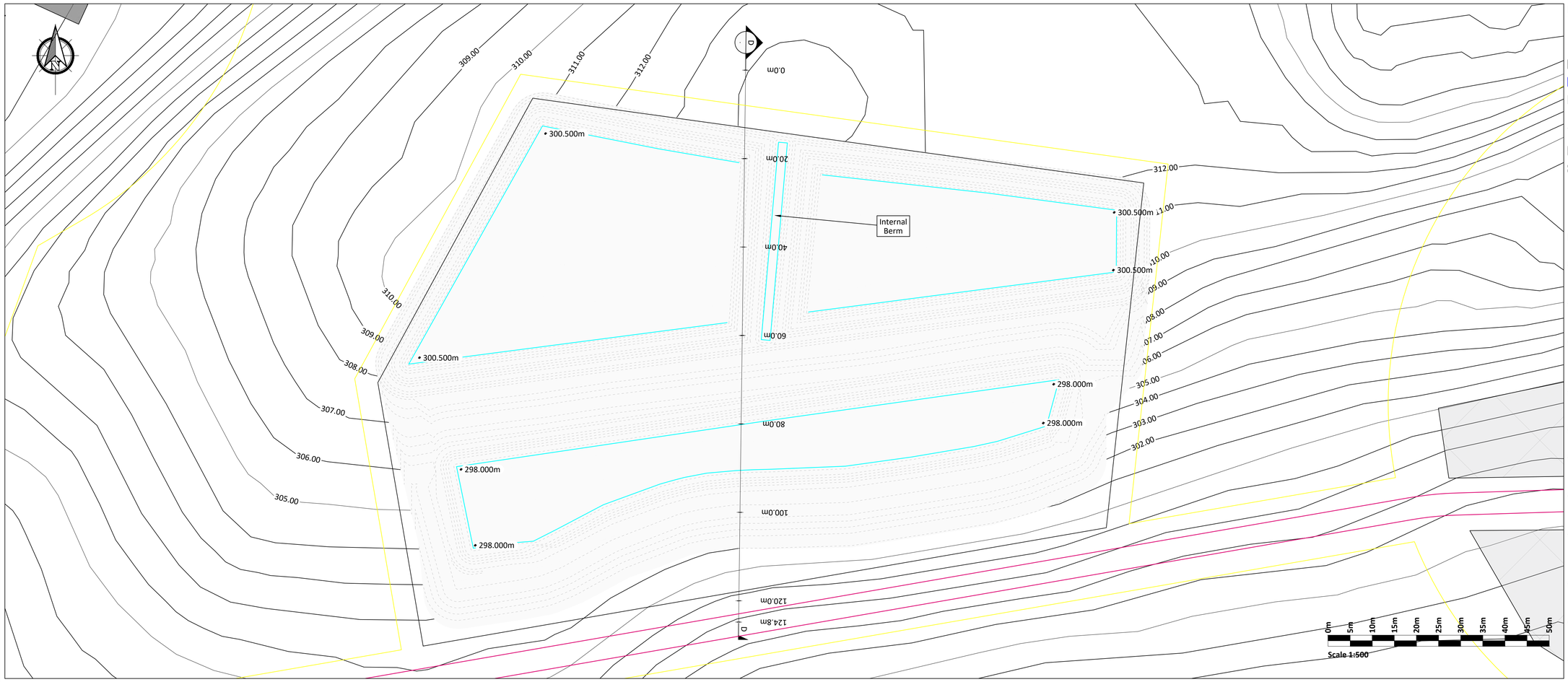
CLIENT
MKO

SHEET
BORROW PIT 3 PLAN AND SECTION

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:500	
Drawn by POR	Drawing Number P24-118-0600-0016 (Sheet set subset 0600)		Rev P02
Checked by IH			

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25 February 2026



PLAN
1:500
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Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Borrow Pit Construction Notes:

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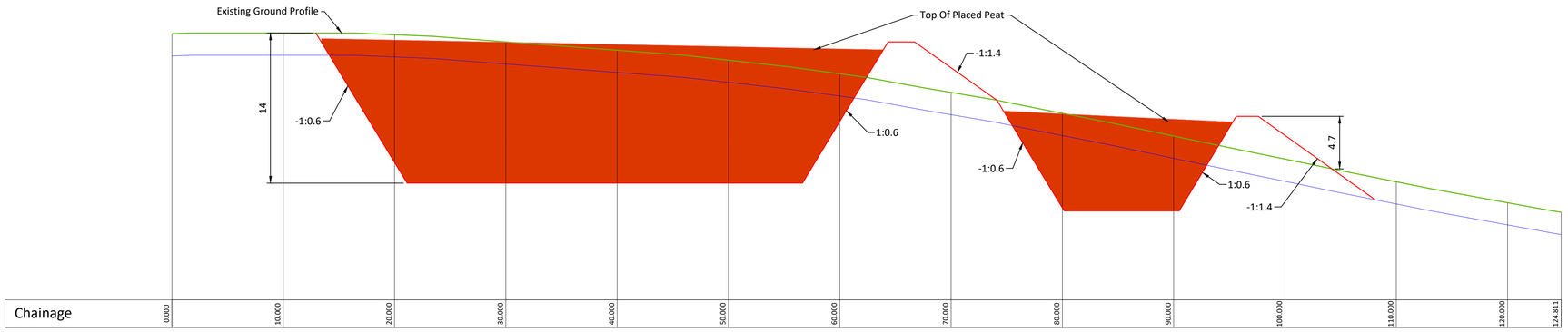
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(10) An interceptor drain will be installed around the upslope side of the borrow pit to capture surface water flow and divert it around the borrow pit.

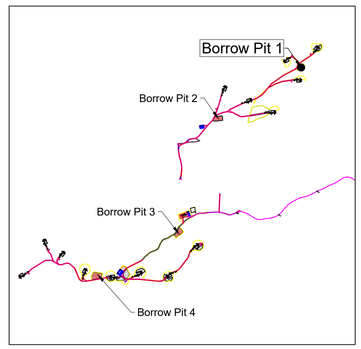
(11) A perimeter drain will be installed around the individual cells, which will outfall to a settlement pond on the downslope side of the borrow pit (not shown on plan).

(12) All the above-mentioned general guidelines and requirements will be confirmed by the designer prior to construction.

(13) Further guidelines on the construction of the borrow pit is included within Section 6.5 of the Peat & Spoil Management Plan.



SECTION
1:250
D
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Scale 1:50000

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

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SHEET
BORROW PIT 4 PLAN AND SECTION

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:500	
Drawn by POR	Drawing Number P24-118-0600-0017 (Sheet set subset 0600)		Rev P02
Checked by IH			

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25 February 2026

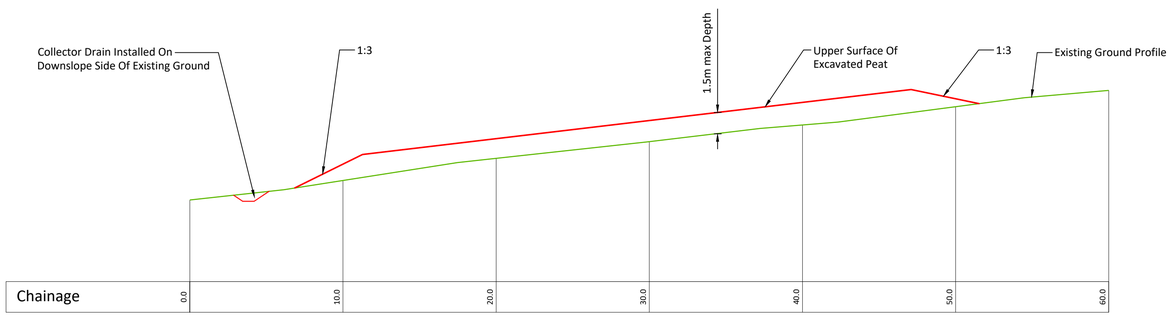


PLAN

Scale 1:500

0m 5m 10m 15m 20m 25m 30m 35m 40m 45m 50m

Scale 1:500



SECTION 1-1

Scale 1:200

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Construction Notes Peat Repository Areas:

(1) An interceptor drain will also be installed upslope of the peat repository areas.

(2) A silting pond will be required at the lower side of the peat repository areas.

(3) It is important that the surface of the stored peat be shaped to allow efficient run-off of water from the stored spoil.

(4) Supervision by a geotechnical engineer or appropriately competent person is recommended for the construction of the peat repository area.

(5) All the above-mentioned general guidelines and requirements will be implemented during construction.

(6) Further guidelines on the construction of the peat storage area are included within Section 6.6 of the Peat & Spoil Management Plan.

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	25.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

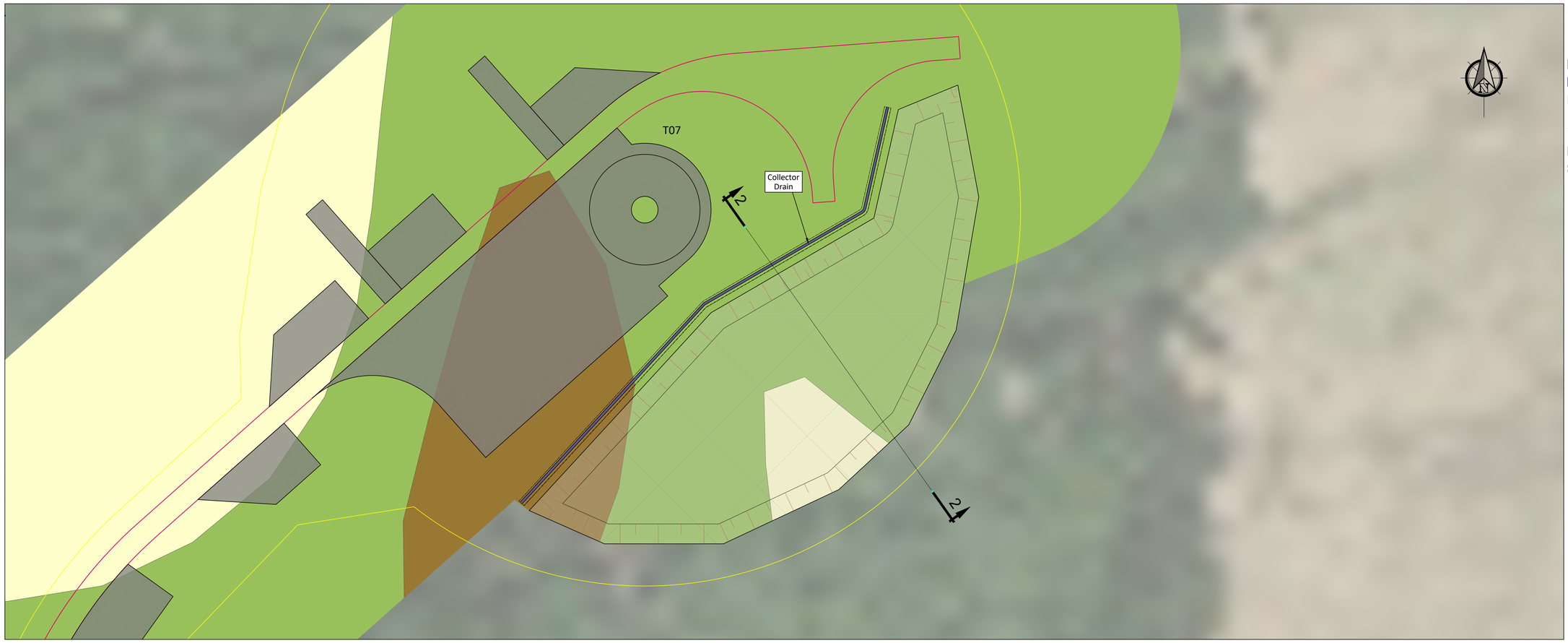
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SHEET
PEAT & SPOIL MANAGEMENT **AREA DETAILS (T01)**

Date 25.02.26	Project number P24-118	Scale (@ A1) As Shown	
Drawn by POR	Drawing Number P24-118-0600-0018 (Sheet set subset 0600)		Rev P01
Checked by IH			

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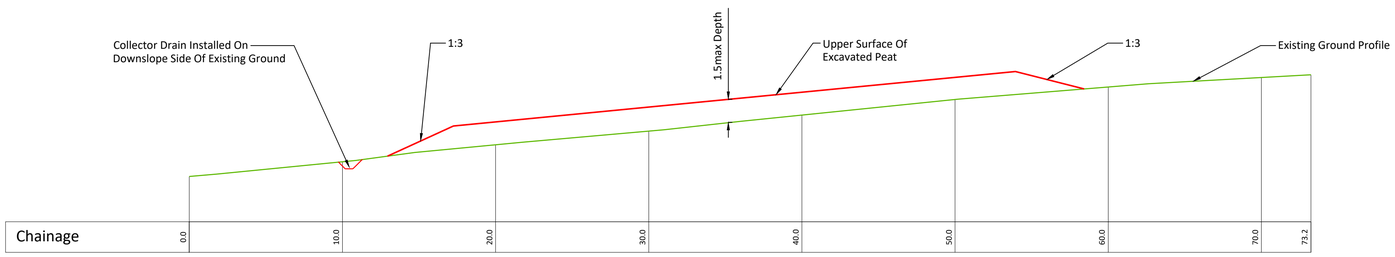
26 February 2026



PLAN

Scale 1:500

Scale 1:500



SECTION 2-2

Scale 1:200

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Construction Notes Peat Repository Areas:

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PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

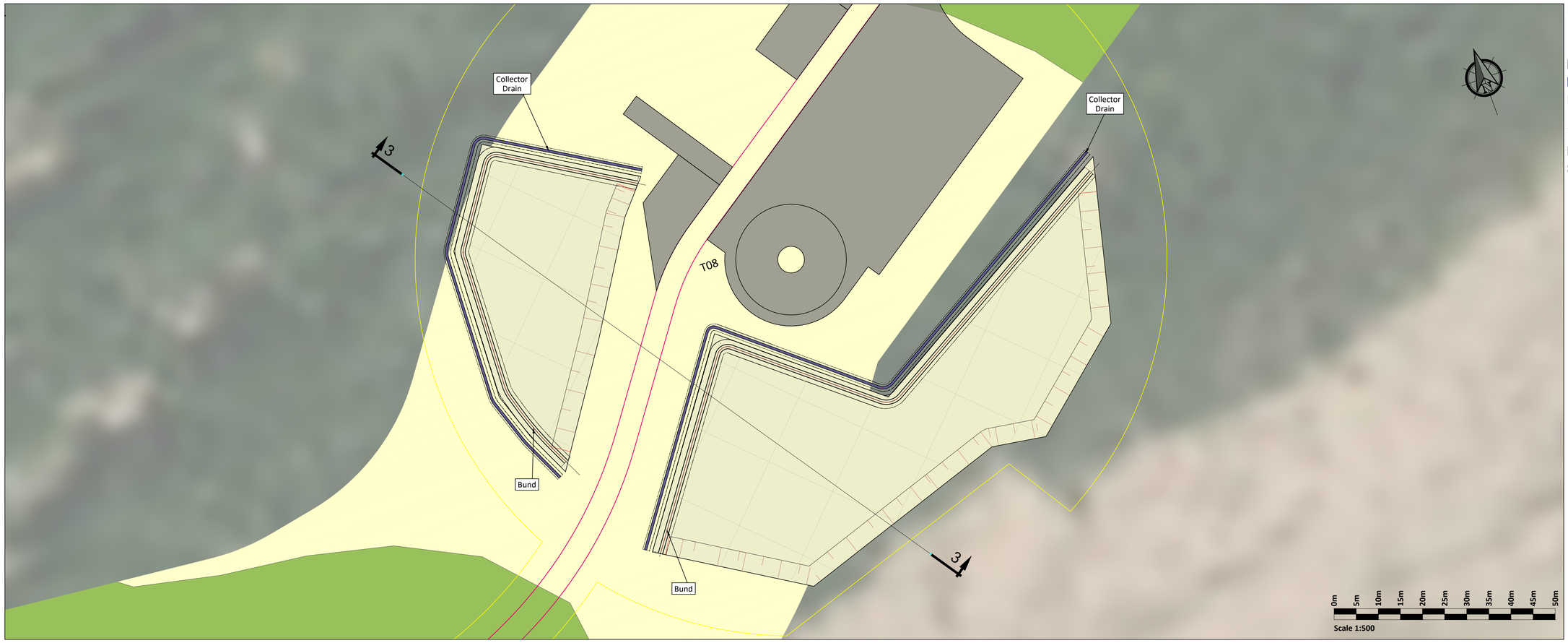
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SHEET
PEAT & SPOIL MANAGEMENT **AREA DETAILS (T07)**

Date 25.02.26	Project number P24-118	Scale (@ A1) As Shown	
Drawn by POR	Drawing Number P24-118-0600-0019		Rev P01
Checked by IH	(Sheet set subset 0600)		

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26 February 2026



Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Construction Notes Peat Repository Areas:

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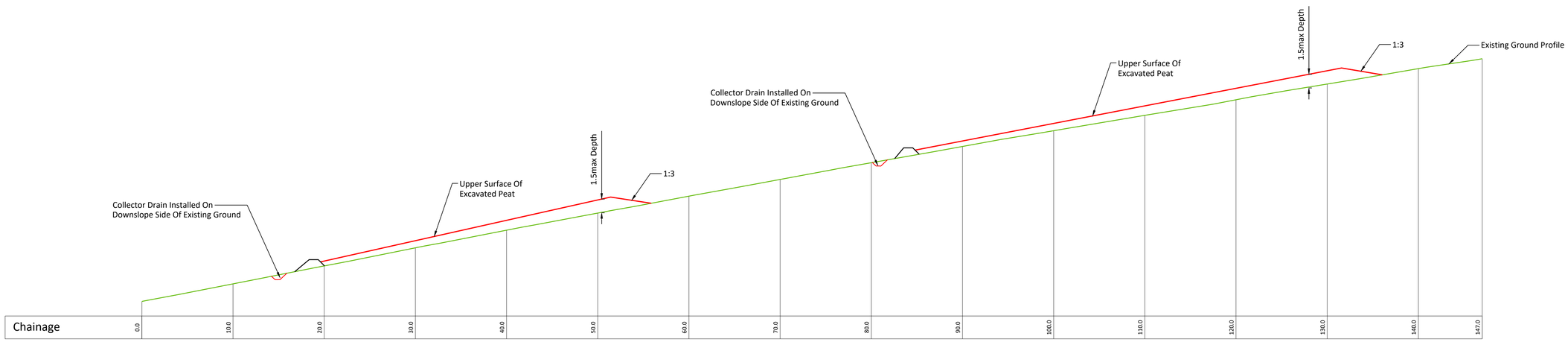
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(6) Further guidelines on the construction of the peat storage area are included within Section 6.6 of the Peat & Spoil Management Plan.

PLAN

Scale 1:500



SECTION 3-3

Scale 1:250

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	25.02.26

PROJECT

MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

CLIENT

MKO

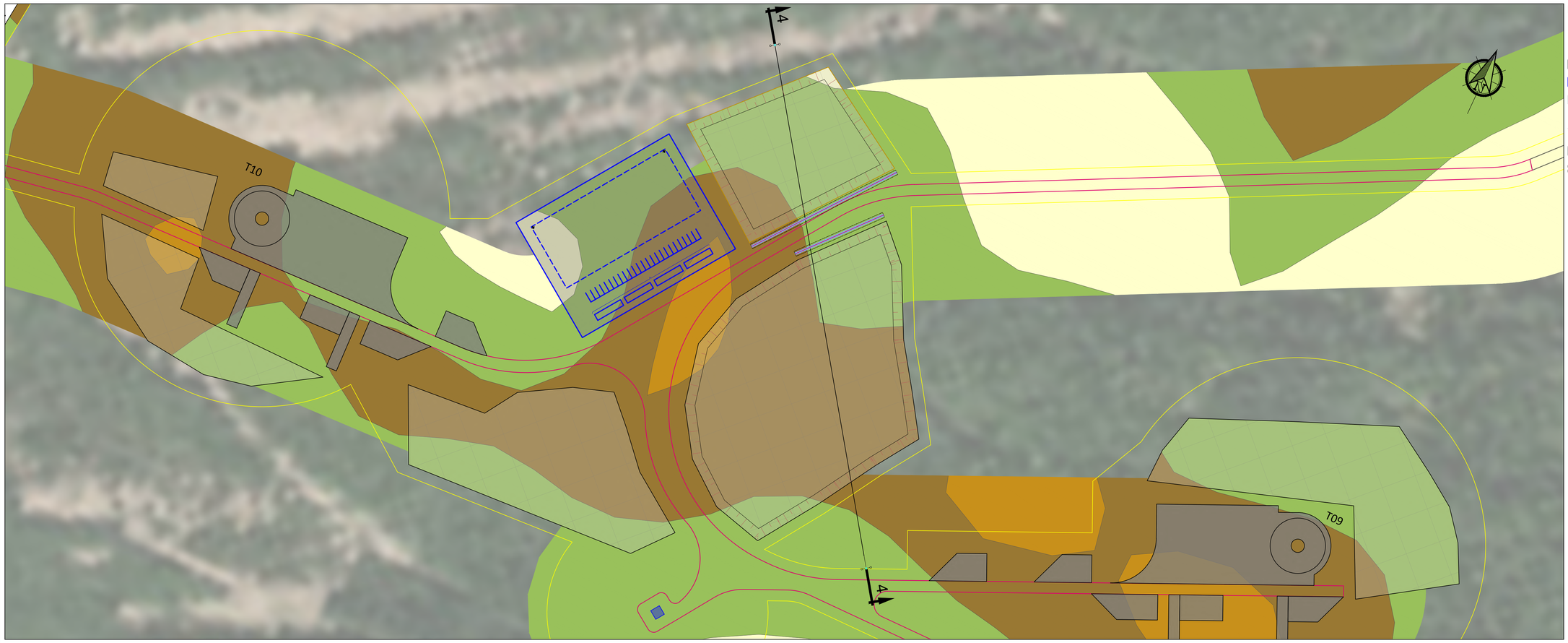
SHEET

PEAT & SPOIL MANAGEMENT **AREA DETAILS (T08)**

Date 25.02.26	Project number P24-118	Scale (@ A1) As Shown	
Drawn by POR	Drawing Number P24-118-0600-0020 (Sheet set subset 0600)		Rev P01
Checked by IH			

O:\ACAD\2024\P24-118\P24-118-0600-0020

26 February 2026



PLAN

Scale 1:1000



Scale 1:1000

Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Restoration Area
- Forestry Felling

Construction Notes Peat Repository Areas:

(1) An interceptor drain will also be installed upslope of the peat repository areas.

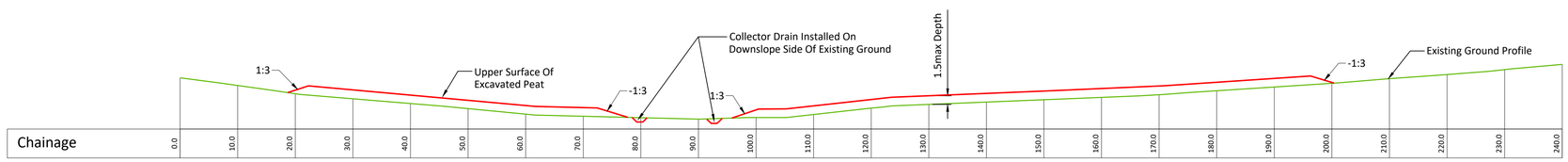
(2) A silting pond will be required at the lower side of the peat repository areas.

(3) It is important that the surface of the stored peat be shaped to allow efficient run-off of water from the stored spoil.

(4) Supervision by a geotechnical engineer or appropriately competent person is recommended for the construction of the peat repository area.

(5) All the above-mentioned general guidelines and requirements will be implemented during construction.

(6) Further guidelines on the construction of the peat storage area are included within Section 6.6 of the Peat & Spoil Management Plan.



SECTION 4-4

Scale 1:500

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	16.02.26

PROJECT

MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

CLIENT

MKO

SHEET

PEAT & SPOIL MANAGEMENT **AREA DETAILS (T09)**

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:1000	
Drawn by POR	Drawing Number P24-118-0600-0021 (Sheet set subset 0600)		Rev P02
Checked by IH			

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26 February 2026

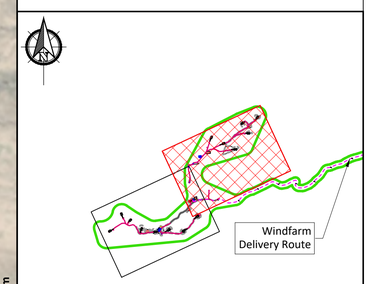


Legend:

- EIAR Study Boundary
- Proposed Access Tracks
- Proposed Peat & Spoil Management Areas
- Proposed Temporary Construction Compound
- Proposed Borrow Pit
- Proposed Turbine & Hardstanding
- BMEP Habitat Enhancement Areas
- Forestry Felling
- Peat Depth Probe Location

Peat Depth Legend:

- ≥ 0 < 0.5
- ≥ 0.5 < 1
- ≥ 1 < 1.5
- ≥ 1.5 < 2
- ≥ 2 < 2.5
- ≥ 2.5 < 3
- ≥ 3 < 3.5
- ≥ 3.5 ≤ 4



PLAN
Scale 1:5000

KEYPLAN
Scale 1:100000

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Rev.	Description	App By	Date
P01	FOR INFORMATION	BDH	07.07.25
P02	FOR INFORMATION	BDH	26.11.25
P03	FOR INFORMATION	BDH	16.02.26

PROJECT
MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT

CLIENT
MKO

SHEET
PEAT DEPTH CONTOUR PLAN
SHEET 1 OF 2

Date 16.02.26	Project number P24-118	Scale (@ A1) 1:5000	
Drawn by POR	Drawing Number P24-118-0600-0001 (Sheet set subset 0600)		Rev P03
Checked by IH			

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27 February 2026

POLLUTION PREVENTION NOTES:

1. Site management proposals are intended to ensure protection against surface water and groundwater pollution, siltation and erosion.
2. Suitable drainage control measures will be in place at all times to prevent conveyance of significant volumes of silt to off site receiving watercourses.
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 existing field drains and ditches.

Discharges

4. Water containing silt will not be discharged or pumped directly to any natural watercourse. All discharges will be made over open ground or into existing field drain with silt trap at a minimum of 20m from nearest watercourse unless otherwise stated.
5. No excavated material will be stored within any surface water buffer zone.
6. Pumped water will be directed into track side ditches and treated in settlement ponds and vegetation swales prior to overland discharge.
7. Pumping of clean water from excavations / or over-pumping in drains/ditches/streams will be completed in a manner that will not cause scour or erosion at the point of release/discharge. This will be done by reducing the flow velocities or by use of suitable splash plates, and/or other similar discharge controls.
8. Vegetation will NOT be stripped from existing drains/ditches unless absolutely necessary.

Excavations

9. Where (temporary) 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 turbine base excavations.

Exposed Ground & Stockpiles

10. The amount of temporary exposed ground and temporary stockpiles open/exposed at any time will be minimised.

Site tracks

11. Use of track side swales with check dams, and/or filtration check dams will reduce silt in runoff water as required.
12. Check dams to be inspected and cleaned regularly.

Refueling

13. Refuelling of mobile plant will be completed in designated refueling areas only, on an impermeable surface and away from field drains / ditches and watercourses/waterbodies.
14. Spill kits and drip trays will be available on site for use as required.

Concrete

15. Concrete pours will be managed and supervised to ensure there will be no leakage/seepage/discharge of concrete or concrete water during the construction phase.
16. Concrete wash water, and waste concrete will be managed appropriately on site at a lined concrete wash out pit.

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

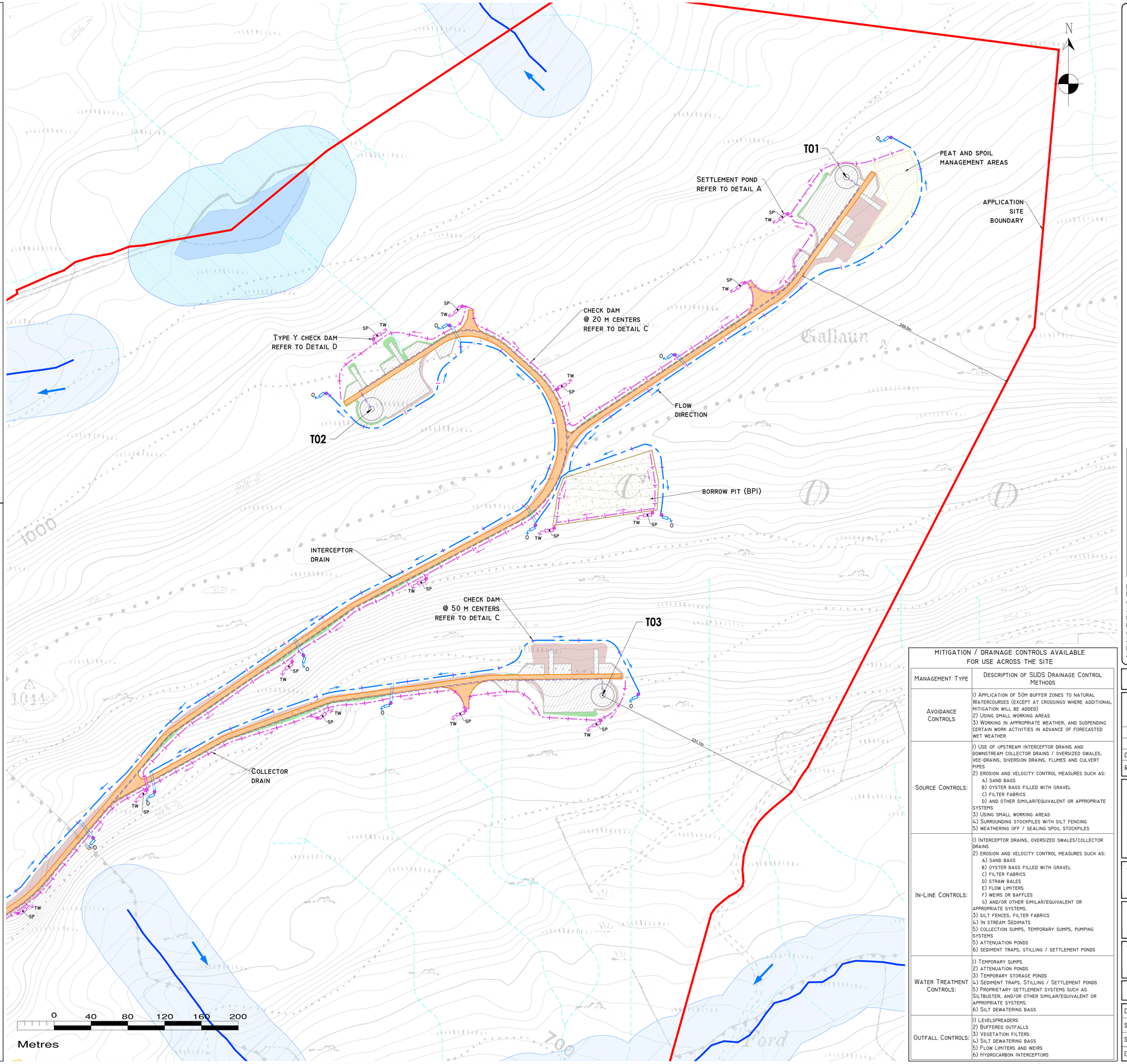
STOP - work in the immediate area should be stopped and the source of the pollution identified.

CONTAIN - the source of the pollution should be bunded using a suitable method. Natural watercourses should be temporarily diverted around any source of pollution.

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 fisheries and other sensitive receptors.

DRAINAGE NOTES:

1. Site Tracks and Roadway surfacing design and construction to Engineer's Specification (i.e. by others).
2. Spare straw bales/silt fencing/ or similar, will be stored on site. The level of silt in runoff during construction is to be monitored visually and excessive silt levels in any area to be temporarily managed by placing silt fences, straw bales / or similar or additional check dams at the problem areas. Mobile siltbuster system to be available on-site for use as required also.
3. SUDS drainage 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 prevention measures will be in place at all times to prevent the conveyance of significant volumes of silt to receiving watercourses. See notes on pollution prevention.
5. Interceptor swales / ditches will be used to collect upstream surface water flows. Regular cross drains / discharge to field ditches/drains will be installed to transfer / discharge surface water in interceptor drains to suitable field drain outfall points.
6. Drainage swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales / ditches. Optimum locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into any existing watercourses.
7. A buffer zone of >20m to any existing watercourse will be required where over land discharges are proposed from access track swales / ditches. This buffer will not be possible at river/stream crossings, but other suitable controls are proposed in those areas (i.e. additional silt fencing).
8. 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.
9. Track side swales / ditches 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. These have been designated in conjunction with settlement ponds and silt traps, prior to discharge.
10. Settlement ponds to be constructed for silt removal at turbine bases and hard stand areas. Pond sizes depend on the catchment area being served. Sample pond sizes for various catchment areas shown on Drawing D501.
11. Straw bales / or similar and silt fences to be used also around spoil heaps to mitigate silt runoff. Silt fences may be removed when suitable vegetation cover is established.
12. Silt fences to be provided along the edge of existing watercourses where works comes within <15m of edge of any ditch / drain / ephemeral channel.
13. Slopes of the swales / ditches to be vegetated or protected from erosion until vegetation has been established. Stripped vegetative layer (peat 'sod' or 'scraw') from excavations to be stored locally and used to line slopes and base of swales / ditches or longitudinal mounds of vegetation swales at field drain discharge points.
14. Areas stripped of vegetation will be kept to a minimum.
15. 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 100m stone on the downhill face of the check dam and by wrapping in geotextile.
16. 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.
17. Spacing and frequency of check dams will be dependent upon longitudinal gradient of swale.
18. Location of filtration check dams (if required) to be agreed on site with Engineer. Settlement ponds to be constructed in a manner where they may be easily infilled at a later date (post completion of the turbine base and hardstand construction). Only suitable materials excavated from the pond to be used to form part of the embankment around the pond.
19. Oil fuel will only be stored within bunded containment structures.
20. Temporary use of silt bags will be used on site where pumping from excavations is required.



DRAWING LEGEND :

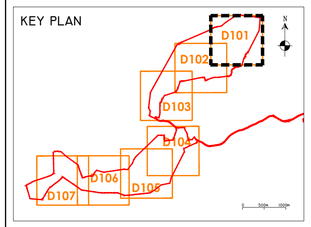
Existing Drainage
- Watercourses
- Watercourses 50m buffer
- Lakes
- Lakes 50m buffer
- Stream flow direction
- Mapped drains
- Redirected drains
- Mapped drainage pathways >500m lenght*

* Potential drainage flowpaths are modelled based on lidar data and do not indicate the presence of a drain or watercourse ominated by recharge to ground.

Proposed Drainage
- Upstream Interceptor Drain
- Swales/Downstream Collector Drain
- Direction of Flow
- Silt Fences
- Double/Triple Silt Fences
- Settlement Pond - Level Spreader
- Check Dam 'Type A'
- Check Dam 'Type B'
- Mapped Drain Check Dam
- Proposed WC Crossing/Culvert
- Existing WC Crossing to be Upgraded
- Interceptor Ditch Culvert
- Collector Ditch Culvert
- O — Overland Flow Discharge
- TW — Treated Water Discharge
- SP — Settlement Pond
- VS — Semi-Natural Vegetation Swale / Filter Bed /secondary SP
- Pumping Sump

- Application Site Boundary
- Existing Ground Surface Minor Contour (1m Interval)
- Existing Ground Surface Major Contour (10m Interval)
- Turbine Foundation
- Hardstand
- Proposed New Roads
- Existing Roads/Tracks to be Upgraded
- 110kV Underground Cabling
- 33kV Underground Cable Route
- Proposed 110kV Onsite Substation
- Temporary Construction Compound
- Borrow Pit
- Peat and Spoil Management Areas
- Cut Area
- Fill Area
- Habitat Enhancement Area
- Enhancement Area - Kerry Slug

KEY PLAN



MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE

Management Type	Description of SUDS Drainage Control Methods
Avoidance Controls	1) Application of 50m buffer zones to natural Watercourses (except at crossings where additional mitigation will be added) 2) Using small working areas 3) 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, vee-drains, diversion drains, flumes and culvert pipes 2) Erosion and velocity control measures such as: A) 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 stockpiles with silt fencing 5) Weathering off / sealing spoil stockpiles
In-Line Controls:	1) Interceptor drains, oversized swales/collector drains 2) Erosion and velocity control measures such as: A) Sand bags B) Oyster bags filled with gravel C) Filter fabrics D) Straw bales E) Flow limiters F) Weirs or baffles G) And/or other similar/equivalent or appropriate systems. 3) Silt fences, filter fabrics 4) In stream Sedimats 5) Collection sumps, temporary sumps, pumping systems 5) Attenuation ponds 6) Sediment traps, stilling / settlement ponds
Water Treatment Controls:	1) Temporary sumps 2) Attenuation ponds 3) Temporary storage ponds 4) Sediment traps, Stilling / Settlement ponds 5) Proprietary settlement systems such as Siltbuster, and/or other similar/equivalent or appropriate systems. 6) Silt dewatering bags
Outfall Controls:	1) Levelspreaders 2) Buffered outfalls 3) Vegetation filters 4) Silt dewatering bags 5) Flow limiters and weirs 6) Hydrocarbon interceptors

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3. Do not scale off this drawing. Figured metric dimensions only should be taken off this drawing.
4. All dimensions are in metres.

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Date	Description	Chkd	Signed

Revisions

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tel: +353 (0) 58-44122
tel: +353 (0) 58-44244
email: info@hydroenvironmental.ie
web: www.hydroenvironmental.ie

Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: D101

Drawing No: P1710-0-0326-A1-D101-00C	
Sheet Size: A1	Project No.: P1710-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

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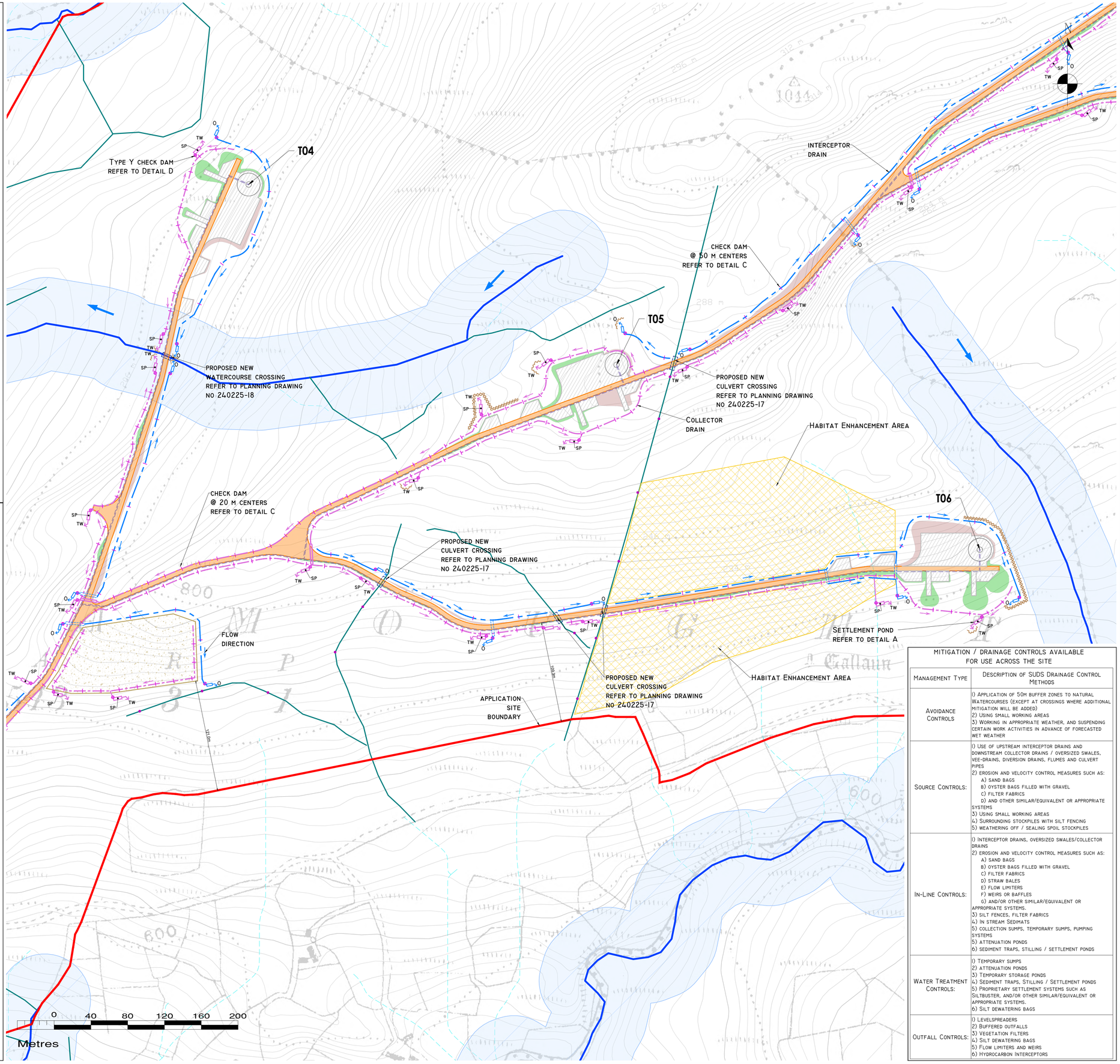
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14. Areas stripped of vegetation will be kept to a minimum.
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17. Spacing and frequency of check dams will be dependent upon longitudinal gradient of swale.
18. Location of filtration check dams (if required) to be agreed on site with Engineer. Settlement ponds to be constructed in a manner where they may be easily infilled at a later date (post completion of the turbine base and hardstand construction). Only suitable materials excavated from the pond to be used to form part of the embankment around the pond.
19. Oil fuel will only be stored within bunded containment structures.
20. Temporary use of silt bags will be used on site where pumping from excavations is required.



Drawing Legend :

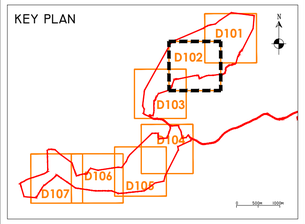
Existing Drainage
- Watercourses
- Watercourses 50m buffer
- Lakes
- Lakes 50m buffer
- Stream flow direction
- Mapped drains
- Redirected drains
- Mapped drainage pathways >500m lenght*

* Potential drainage flowpaths are modelled based on lidar data and do not indicate the presence of a drain or watercourse ominated by recharge to ground.

Proposed Drainage
- Upstream Interceptor Drain
- Swales/Downstream Collector Drain
- Direction of flow
- Silt Fences
- Double/triple Silt Fences
- Settlement pond - level spreader
- Check Dam 'type A'
- Check Dam 'type B'
- mapped drain check dam
- proposed wc crossing/culvert
- existing wc crossing to be upgraded
- Interceptor Ditch Culvert
- Collector Ditch Culvert
- O Overland Flow Discharge
- TW Treated Water Discharge
- SP Settlement Pond
- VS Semi-Natural Vegetation Swale / Filter Bed /secondary sp
- Pumping Sump

- Application site boundary
- Existing ground surface minor contour (1m interval)
- Existing ground surface major contour (10m interval)
- Turbine foundation
- Hardstand
- Proposed new roads
- Existing Roads/Tracks to be Upgraded
- 110kV underground cabling
- 33kV Underground Cable Route
- Proposed 110kV Onsite Substation
- Temporary construction compound
- Borrow pit
- Peat and spoil management areas
- Cut area
- Fill area
- Habitat Enhancement Area
- Enhancement area - Kerry slug

KEY PLAN



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MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE

Management Type	Description of SUDS Drainage Control Methods
Avoidance Controls	1) Application of 50m buffer zones to natural Watercourses (except at crossings where additional mitigation will be added) 2) Using small working areas 3) 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, vee-drains, diversion drains, flumes and culvert pipes 2) Erosion and velocity control measures such as: A) 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 stockpiles with silt fencing 5) Weathering off / sealing spoil stockpiles
In-Line Controls:	1) Interceptor drains, oversized swales/collector drains 2) Erosion and velocity control measures such as: A) Sand bags B) Oyster bags filled with gravel C) Filter fabrics D) Straw bales E) Flow limiters F) Weirs or baffles G) and/or other similar/equivalent or appropriate systems. 3) Silt fences, filter fabrics 4) In stream Sedimats 5) Collection sumps, temporary sumps, pumping systems 5) Attenuation ponds 6) Sediment traps, stilling / settlement ponds
Water Treatment Controls:	1) Temporary sumps 2) Attenuation ponds 3) Temporary storage ponds 4) Sediment traps, Stilling / Settlement ponds 5) Proprietary settlement systems such as Siltbuster, and/or other similar/equivalent or appropriate systems. 6) Silt dewatering bags
Outfall Controls:	1) Levelspreaders 2) Buffered outfalls 3) Vegetation filters 4) Silt dewatering bags 5) Flow limiters and weirs 6) Hydrocarbon Interceptors

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Date	Description	Chkd	Signed
Revisions			

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Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: DI02

Drawing No: P1710-0-0326-A1-D102-00C	
Sheet Size: A1	Project No.: P1710-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

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2. Suitable drainage control measures will be in place at all times to prevent conveyance of significant volumes of silt to off site receiving watercourses.
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 existing field drains and ditches.

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Exposed Ground & Stockpiles

10. The amount of temporary exposed ground and temporary stockpiles open/exposed at any time will be minimised.

Site tracks

11. Use of track side swales with check dams, and/or filtration check dams will reduce silt in runoff water as required.
12. Check dams to be inspected and cleaned regularly.

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13. Refuelling of mobile plant will be completed in designated refueling areas only, on an impermeable surface and away from field drains / ditches and watercourses/waterbodies.
14. Spill kits and drip trays will be available on site for use as required.

Concrete

15. Concrete pours will be managed and supervised to ensure there will be no leakage/seepage/discharge of concrete or concrete water during the construction phase.
16. Concrete wash water, and waste concrete will be managed appropriately on site at a lined concrete wash out pit.

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

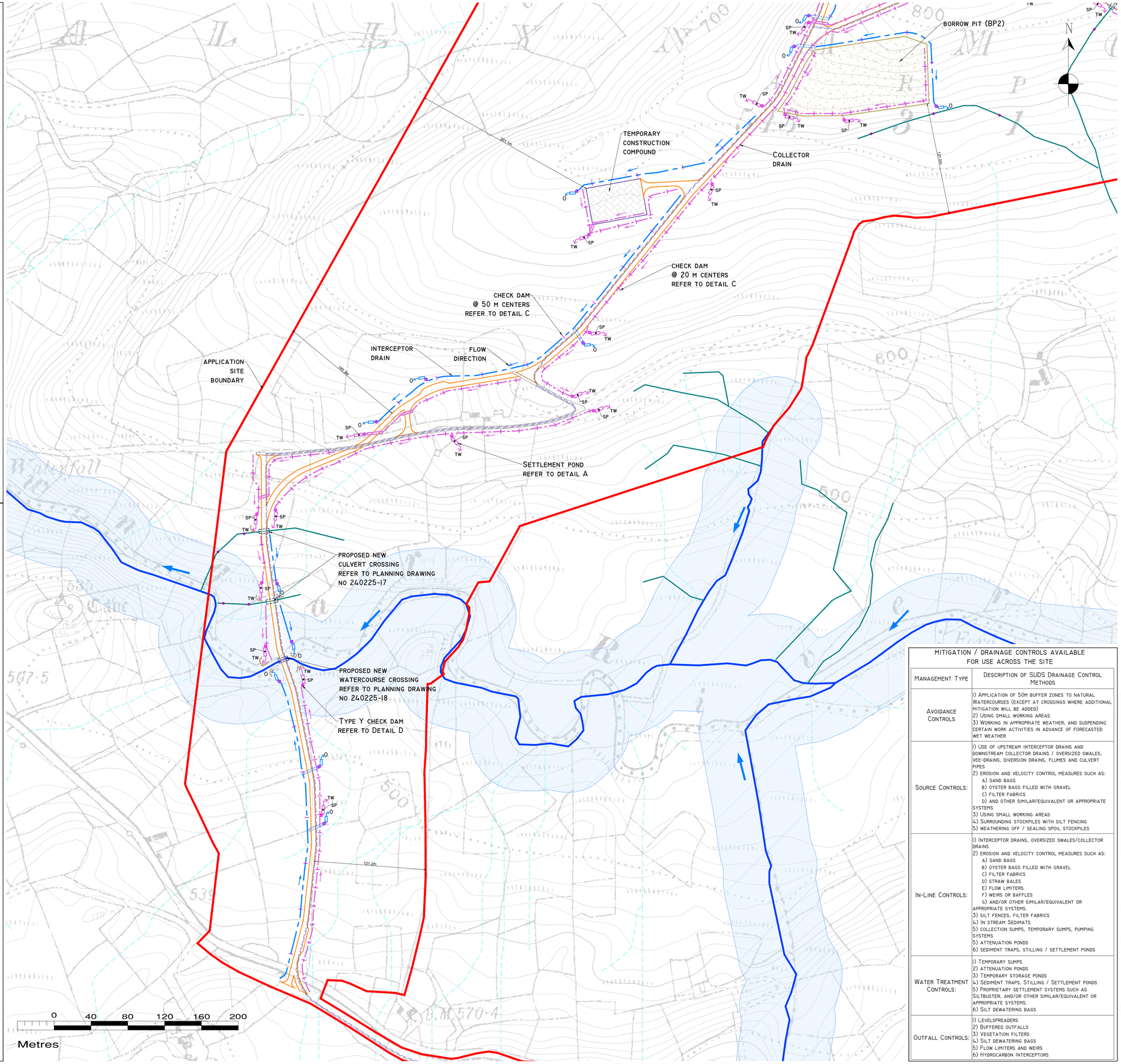
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DRAINAGE NOTES:

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2. Spare straw bales/silt fencing/ or similar, will be stored on site. The level of silt in runoff during construction is to be monitored visually and excessive silt levels in any area to be temporarily managed by placing silt fences, straw bales / or similar or additional check dams at the problem areas. Mobile siltbuster system to be available on-site for use as required also.
3. SUDS drainage 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 prevention measures will be in place at all times to prevent the conveyance of significant volumes of silt to receiving watercourses. See notes on pollution prevention.
5. Interceptor swales / ditches will be used to collect upstream surface water flows. Regular cross drains / discharge to field ditches/drains will be installed to transfer / discharge surface water in interceptor drains to suitable field drain outfall points.
6. Drainage swales / ditches to be excavated adjacent to the access tracks. Regular cross drains to be located along access tracks to prevent excessive volumes of water collecting in the swales / ditches. Optimum locations of cross drains to be agreed with the Engineer on site. Surface water will not be allowed to discharge directly into any existing watercourses.
7. A buffer zone of >20m to any existing watercourse will be required where over land discharges are proposed from access track swales / ditches. This buffer will not be possible at river/stream crossings, but other suitable controls are proposed in those areas (i.e. additional silt fencing).
8. 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.
9. Track side swales / ditches 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. These have been designated in conjunction with settlement ponds and silt traps, prior to discharge.
10. Settlement ponds to be constructed for silt removal at turbine bases and hard stand areas. Pond sizes depend on the catchment area being served. Sample pond sizes for various catchment areas shown on Drawing D501.
11. Straw bales / or similar and silt fences to be used also around spoil heaps to mitigate silt runoff. Silt fences may be removed when suitable vegetation cover is established.
12. Silt fences to be provided along the edge of existing watercourses where works comes within <15m of edge of any ditch / drain / ephemeral channel.
13. Slopes of the swales / ditches to be vegetated or protected from erosion until vegetation has been established. Stripped vegetative layer (peat 'sod' or 'scraw') from excavations to be stored locally and used to line slopes and base of swales / ditches or longitudinal mounds of vegetation swales at field drain discharge points.
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17. Spacing and frequency of check dams will be dependent upon longitudinal gradient of swale.
18. Location of filtration check dams (if required) to be agreed on site with Engineer. Settlement ponds to be constructed in a manner where they may be easily infilled at a later date (post completion of the turbine base and hardstand construction). Only suitable materials excavated from the pond to be used to form part of the embankment around the pond.
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Drawing Legend :

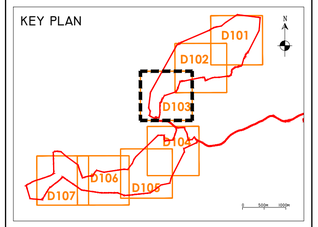
Existing Drainage
- Watercourses
- Watercourses 50m buffer
- Lakes
- Lakes 50m buffer
- Stream flow direction
- Mapped drains
- Redirected drains
- Mapped drainage pathways >500m lenght*

* Potential drainage flowpaths are modelled based on lidar data and do not indicate the presence of a drain or watercourse ominated by recharge to ground.

Proposed Drainage
- Upstream Interceptor Drain
- Swales/Downstream Collector Drain
- Direction of Flow
- Silt Fences
- Double/Triple Silt Fences
- Settlement Pond - Level Spreader
- Check Dam 'Type A'
- Check Dam 'Type B'
- Mapped Drain Check Dam
- Proposed WC Crossing/Culvert
- Existing WC Crossing to be Upgraded
- Interceptor Ditch Culvert
- Collector Ditch Culvert
- O Overland Flow Discharge
- TW Treated Water Discharge
- SP Settlement Pond
- VS Semi-Natural Vegetation Swale / Filter Bed /secondary sp
- Pumping Sump

- Application Site Boundary
- Existing Ground Surface minor contour (1m interval)
- Existing Ground Surface major contour (10m interval)
- Turbine Foundation
- Hardstand
- Proposed New Roads
- Existing Roads/Tracks to be Upgraded
- 110kV Underground Cabling
- 33kV Underground Cable Route
- Proposed 110kV Onsite Substation
- Temporary Construction compound
- Borrow Pit
- Peat and Spoil Management Areas
- Cut Area
- Fill Area
- Habitat Enhancement Area
- Enhancement Area - Kerry Slug

KEY PLAN



MITIGATION / DRAINAGE CONTROLS AVAILABLE FOR USE ACROSS THE SITE

Management Type	Description of SUDS Drainage Control Methods
Avoidance Controls	1) Application of 50m buffer zones to natural Watercourses (except at crossings where additional mitigation will be added) 2) Using small working areas 3) 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, vee-drains, diversion drains, flumes and culvert pipes 2) Erosion and velocity control measures such as: A) 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 stockpiles with silt fencing 5) Weathering off / sealing spoil stockpiles
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Revisions

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Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: D103

Drawing No: P1710-0-0326-A1-D103-00C	
Sheet Size: A1	Project No.: P1710-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

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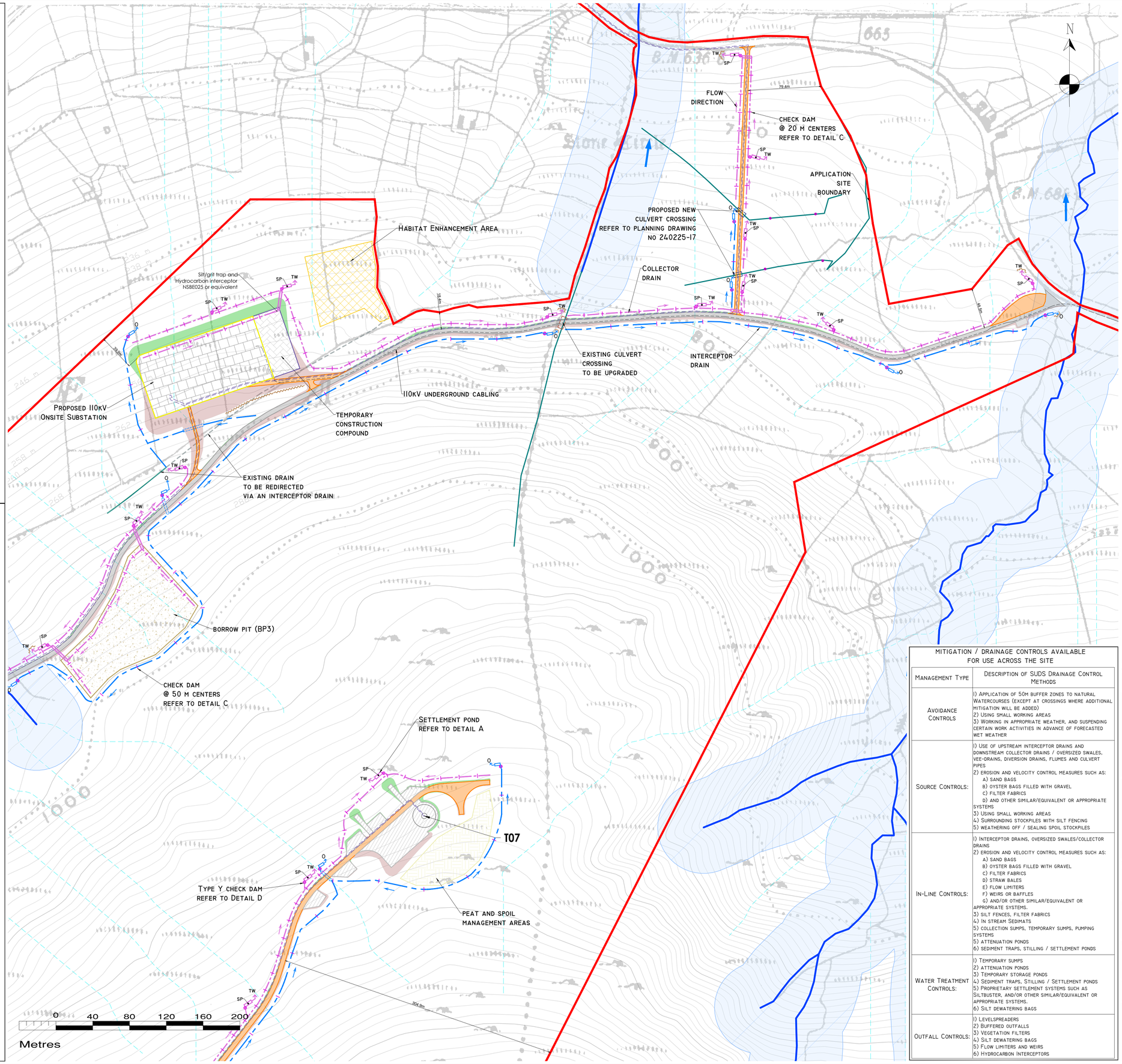
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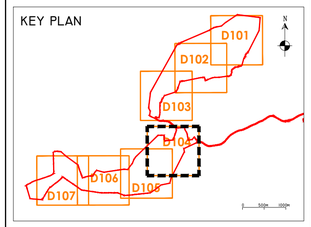
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- Habitat Enhancement Area
- enhancement area - kerry slug

KEY PLAN



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Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: DI04

Drawing No: P1710-0-0326-A1-D104-00C	
Sheet Size: A1	Project No.: P1710-0
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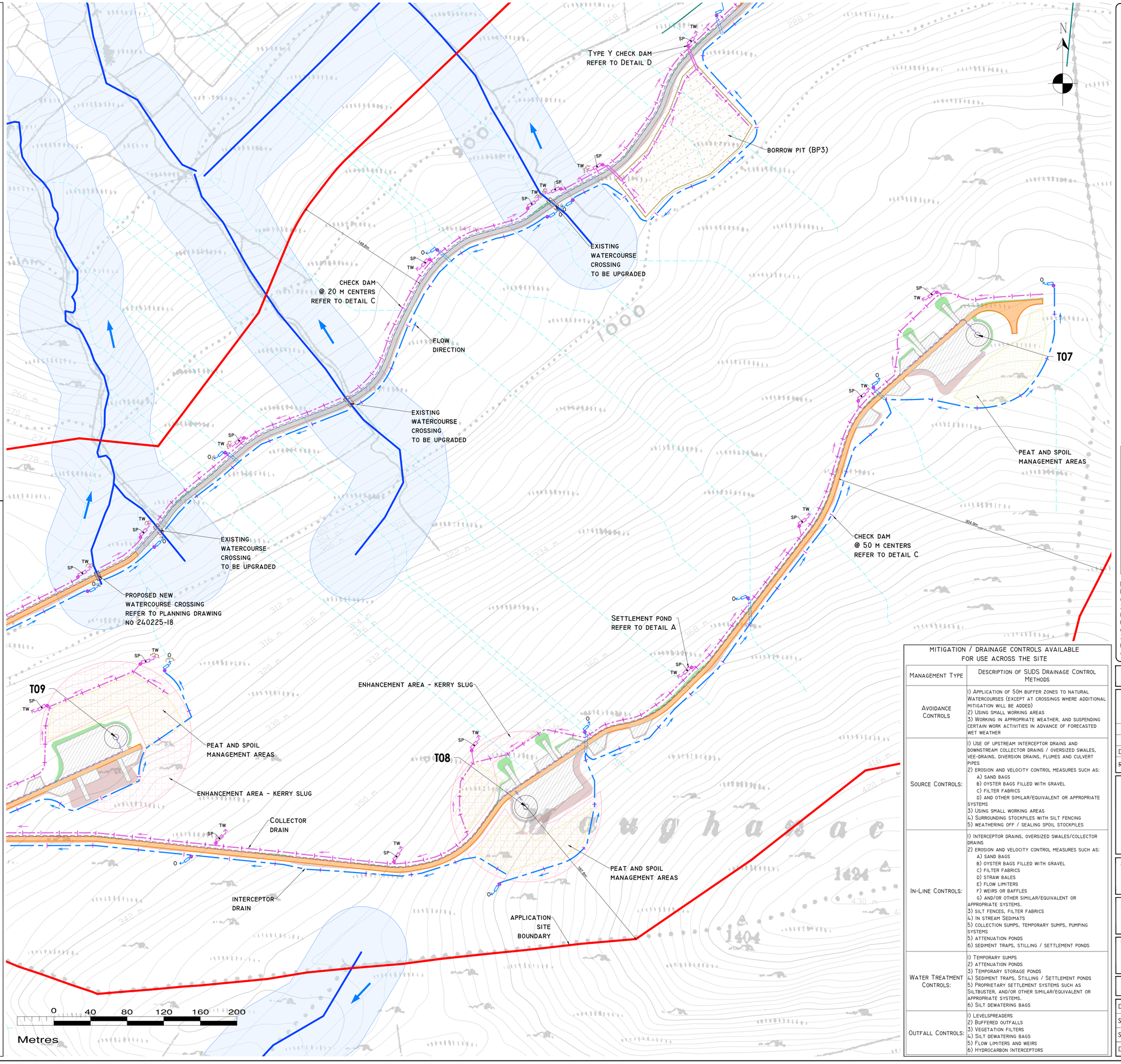
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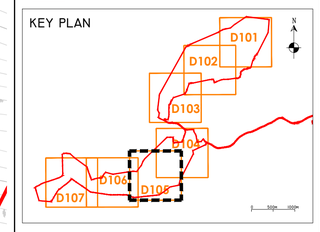
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Drawing Legend :

- Existing Drainage
  - Watercourses
  - Watercourses 50m buffer
  - Lakes
  - Lakes 50m buffer
  - Stream flow direction
  - Mapped drains
  - Redirected drains
  - Mapped drainage pathways >500m lenght*
  - * Potential drainage flowpaths are modelled based on lidar data and do not indicate the presence of a drain or watercourse ominated by recharge to ground.
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KEY PLAN



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Date	Description	Chkd	Signed

Revisions

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Client: MKO

Job: PROPOSED MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT, CO. CORK

Title: PROPOSED DRAINAGE LAYOUT

Figure No: D105

Drawing No: P1710-0-0326-A1-D105-00C

Sheet Size: A1	Project No.: P1710-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

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9. Where (temporary) 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 turbine base excavations.

Exposed Ground & Stockpiles

10. The amount of temporary exposed ground and temporary stockpiles open/exposed at any time will be minimised.

Site tracks

11. Use of track side swales with check dams, and/or filtration check dams will reduce silt in runoff water as required.
12. Check dams to be inspected and cleaned regularly.

Refueling

13. Refuelling of mobile plant will be completed in designated refueling areas only, on an impermeable surface and away from field drains / ditches and watercourses/waterbodies.
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Concrete

15. Concrete pours will be managed and supervised to ensure there will be no leakage/seepage/discharge of concrete or concrete water during the construction phase.
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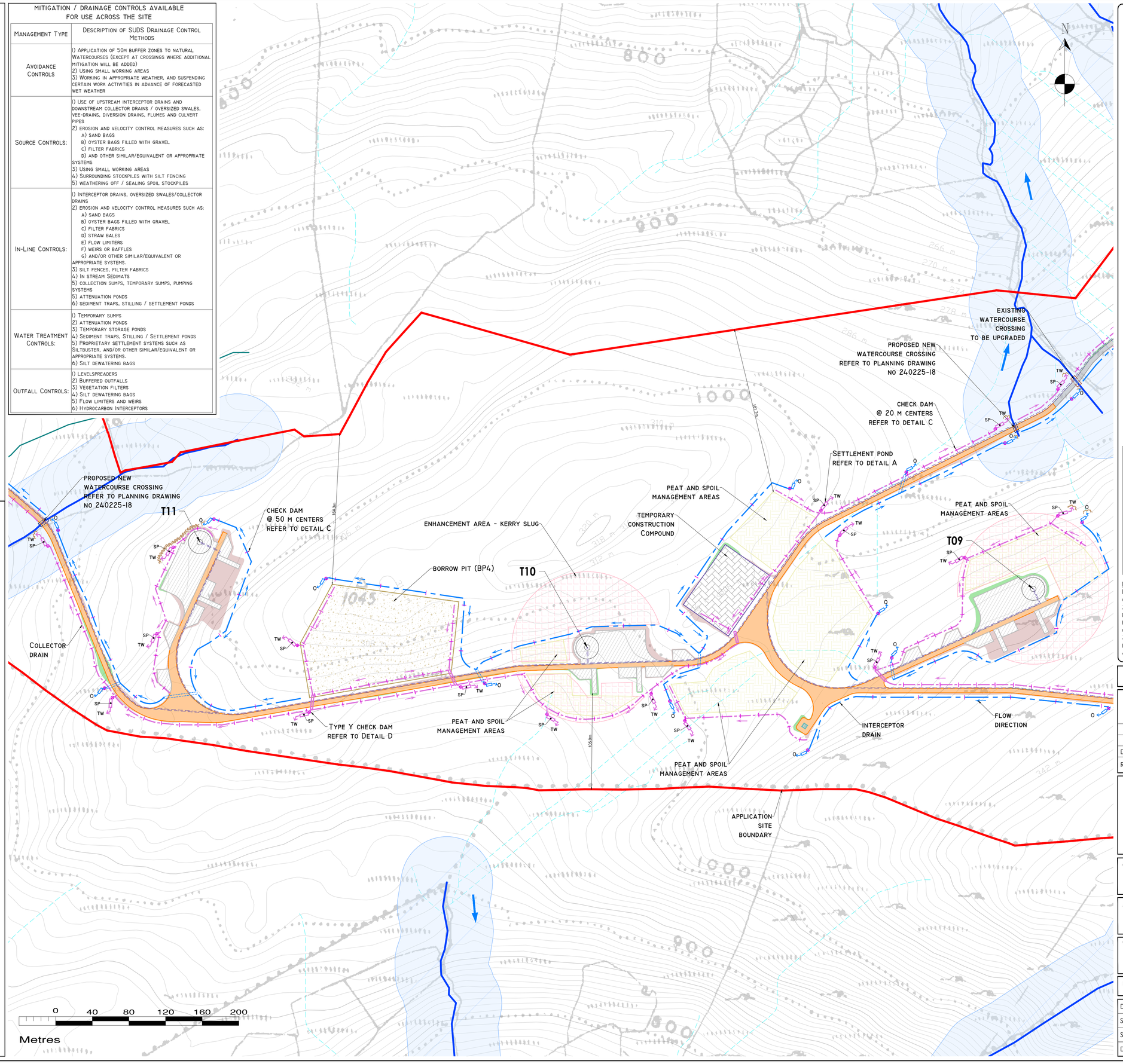
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Drawing Legend :

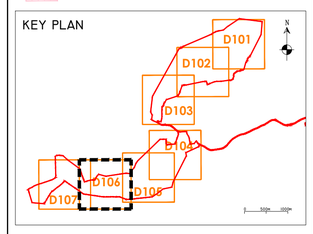
Existing Drainage
- Watercourses
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Date	Description	Chkd	Signed
Revisions			

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web: www.hydroenvironmental.ie

Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: DI06

Drawing No: P1710-0-0326-A1-D106-00C	
Sheet Size: A1	Project No.: P1710-0
Scale: 1:2,000 (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

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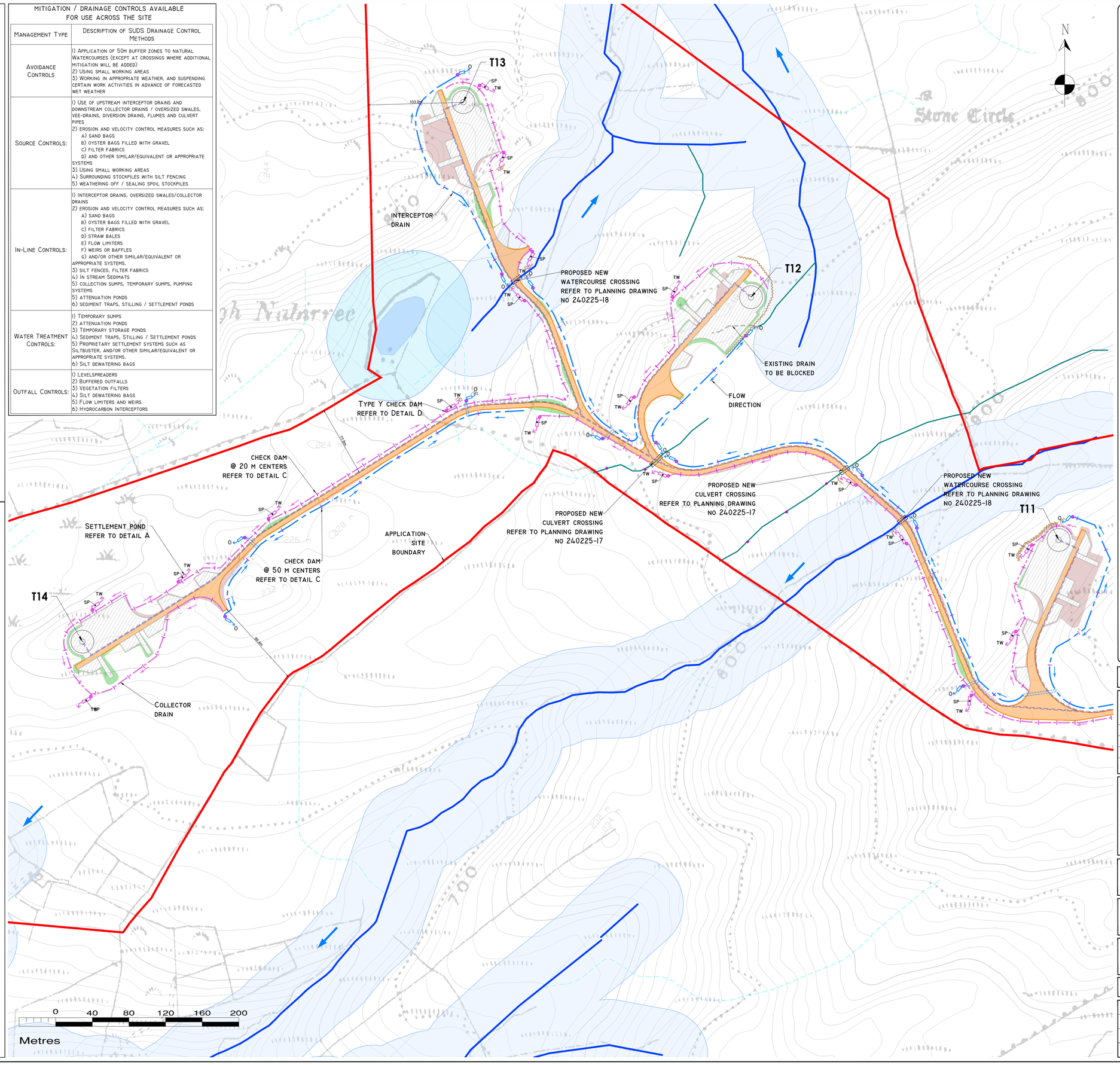
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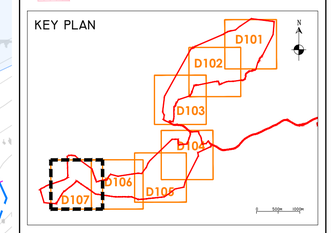
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- Lakes
- Lakes 50m buffer
- Stream flow direction
- Mapped drains
- Redirected drains
- Mapped drainage pathways >500m lenght*

* Potential drainage flowpaths are modelled based on lidar data and do not indicate the presence of a drain or watercourse ominated by recharge to ground.

Proposed Drainage
- Upstream Interceptor Drain
- Swales/Downstream Collector Drain
- Direction of flow
- Silt Fences
- Double/triple Silt Fences
- Settlement pond - level spreader
- Check Dam 'type A'
- Check Dam 'type B'
- mapped drain check dam
- proposed wc crossing/culvert
- existing wc crossing to be upgraded
- Interceptor Ditch Culvert
- Collector Ditch Culvert
- O — Overland Flow Discharge
- TW — Treated Water Discharge
- SP — Settlement Pond
- VS — Semi-Natural Vegetation Swale / Filter Bed /secondary sp
- Pumping Sump

- Application site boundary
- Existing ground surface minor contour (1m interval)
- Existing ground surface major contour (10m interval)
- Turbine foundation
- Hardstand
- Proposed new roads
- Existing Roads/Tracks to be Upgraded
- 110kV underground cabling
- 33kV Underground Cable Route
- Proposed 110kV Onsite Substation
- Temporary construction compound
- Borrow pit
- Peat and spoil management areas
- Cut area
- Fill area
- Habitat Enhancement Area
- Enhancement area - Kerry slug

KEY PLAN



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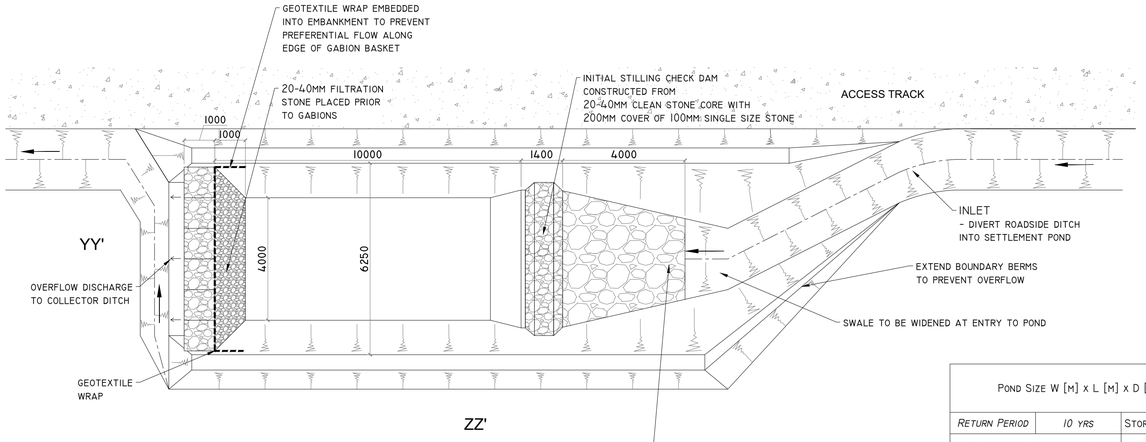
Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Proposed Drainage Layout

Figure No: DI07

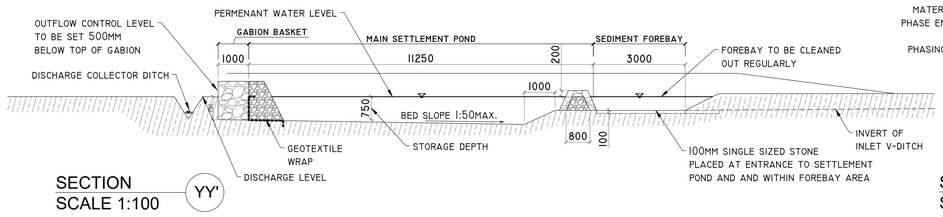
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Date: 25/03/2026	Checked By: MG

DETAIL A1

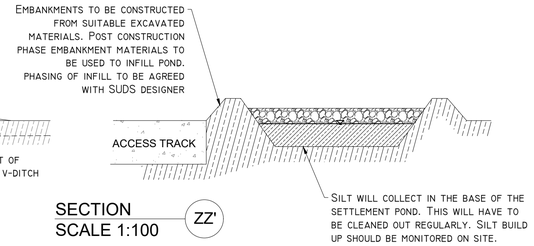


TYPE A - ROAD SIDE SETTLEMENT POND DETAIL
SCALE 1:100 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)

POND SIZE W [M] x L [M] x D [M]			TRACK/HARDSTAND CATCHMENT SIZE (M^2)		
RETURN PERIOD	*10 YRS*	STORM DURATION	500	1000	2000
6HR RETENTION FOR COARSE SILT		6 HRS	2.9 x 8.9 x 1 M	4.1 x 12.6 x 1 M	5.8 x 17.9 x 1 M
11HR RETENTION FOR MEDIUM SILT		12 HRS	4.6 x 14.0 x 1 M	6.5 x 19.7 x 1 M	9.2 x 27.9 x 1 M
24HR RETENTION FOR FINE SILT		24 HRS	8.1 x 24.9 x 1 M	11.5 x 35.0 x 1 M	16.4 x 49.2 x 1 M

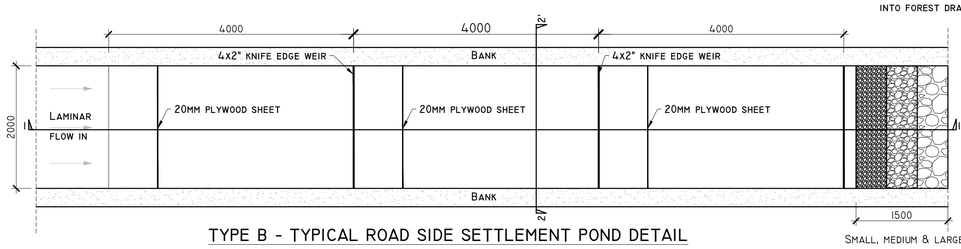


SECTION YY'
SCALE 1:100

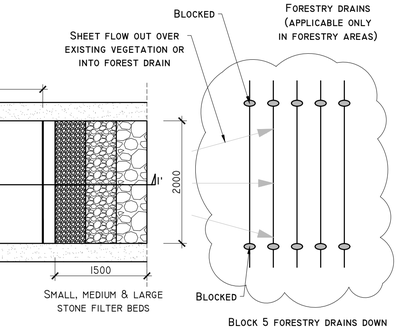


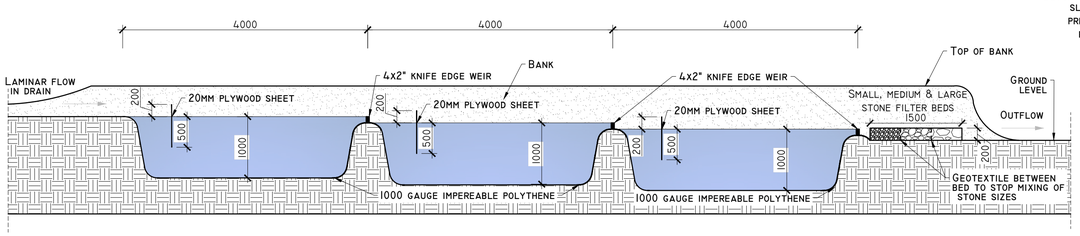
SECTION ZZ'
SCALE 1:100

DETAIL A2



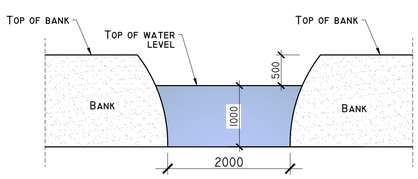
TYPE B - TYPICAL ROAD SIDE SETTLEMENT POND DETAIL
SCALE 1:200 (NOTE DIMENSIONS VARY DEPENDING ON CATCHMENT SIZE - SEE ATTACHED TABLE)



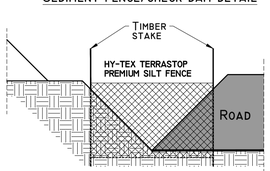


SECTION 11'

SEDIMENT FENCE/CHECK DAM DETAIL

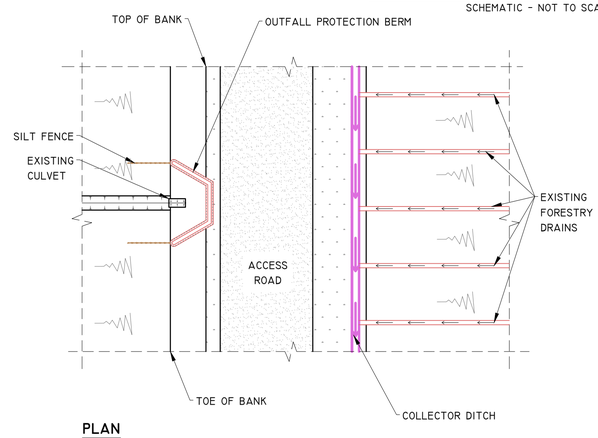


SECTION 22'



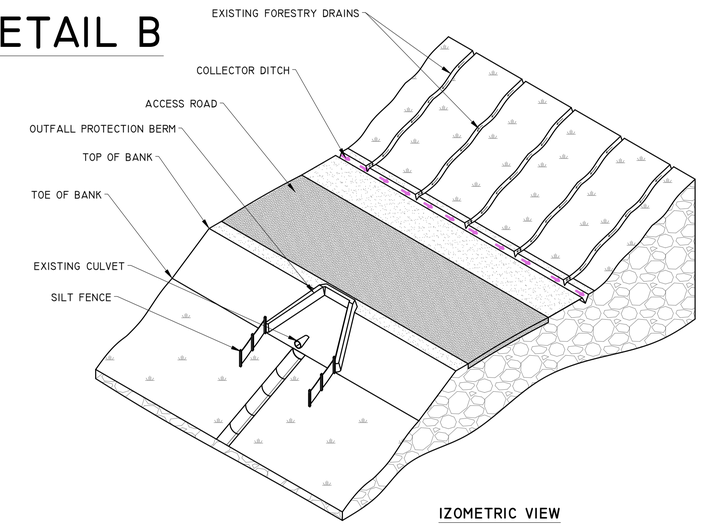
CULVERT - OUTFALL PROTECTION DETAIL

SCHEMATIC - NOT TO SCALE



PLAN

DETAIL B



IZOMETRIC VIEW

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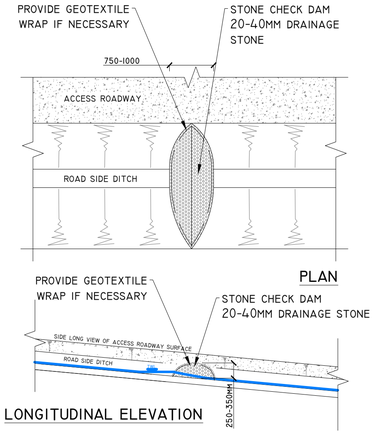
Job: PROPOSED MAUGHANACLEA RENEWABLE ENERGY DEVELOPMENT, CO. CORK

Title: DRAINAGE DETAILS 1

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Scale: as shown (A1)	Drawn By: GA
Date: 25/03/2026	Checked By: MG

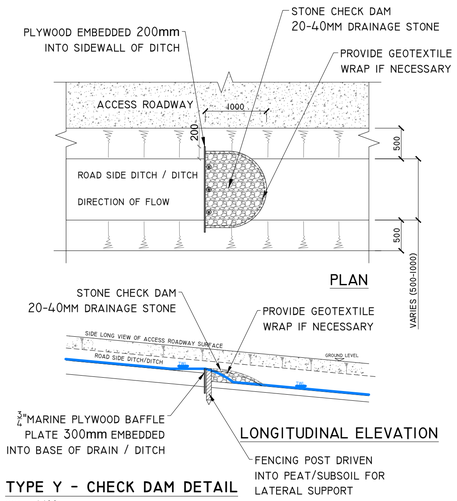
DETAIL C



TYPE X - CHECK DAM DETAIL

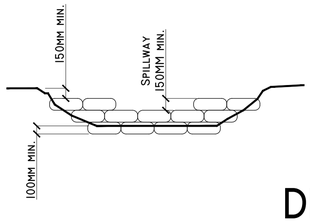
SCALE 1:50

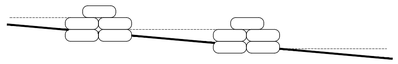
DETAIL D



TYPE Y - CHECK DAM DETAIL

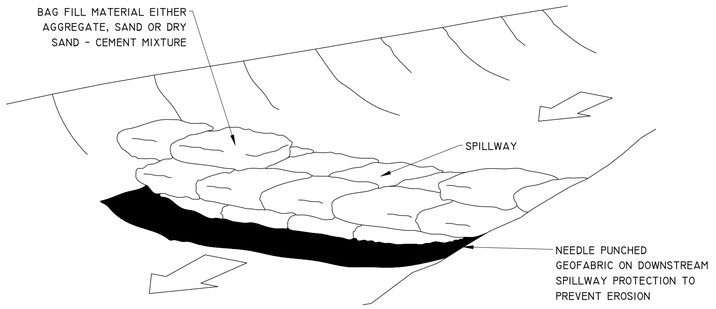
SCALE 1:100





NOTE: SPACING OF CHECK DAMS ALONG CENTRELINE AND SCOUR PROTECTION BELOW EACH CHECK DAM

DETAIL CI



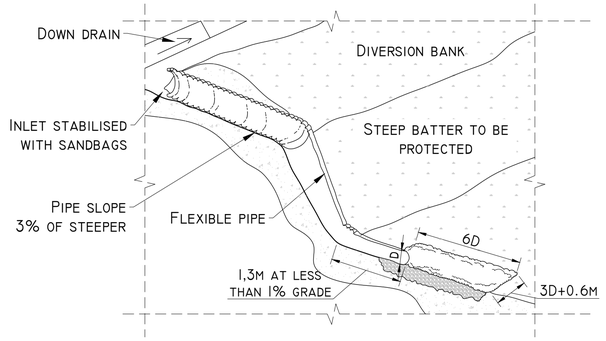
TEMPORARY CHECK DAM / SETTLEMENT POND OVERFLOW SAND FILLED BAG CONSTRUCTION

SCHEMATIC - NOT TO SCALE

DETAIL E

TYPICAL PIPE SPILLWAY DETAIL

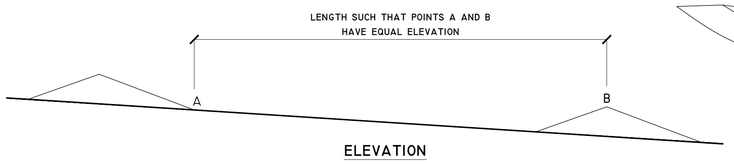
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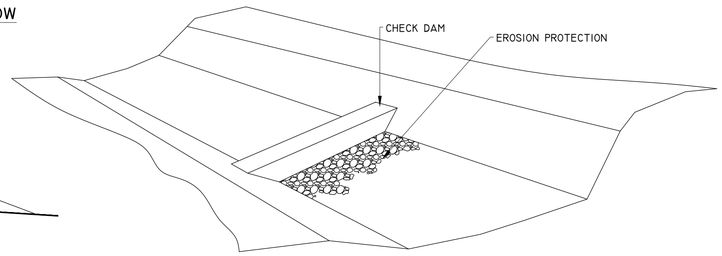
DETAIL C2

TEMPORARY CHECK DAM / SETTLEMENT POND OVERFLOW

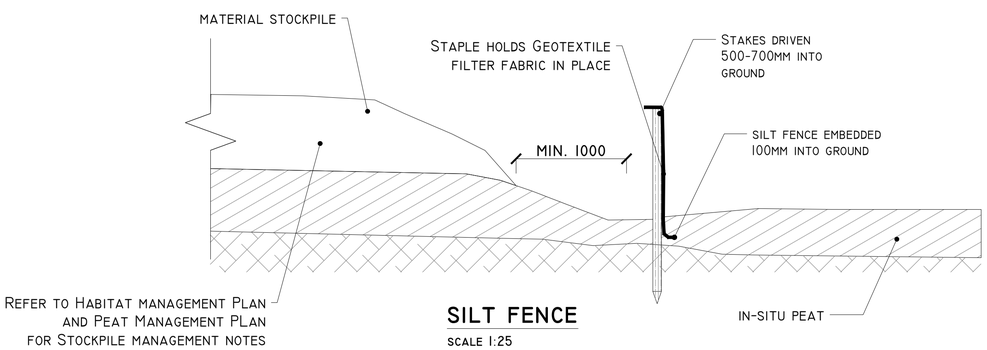
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ELEVATION



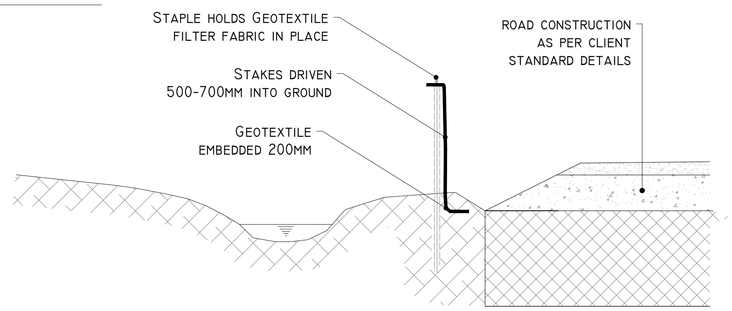
DETAIL F-I



SILT FENCE

SCALE 1:25

DETAIL F-II



SILT FENCE FOR WATERCOURSE PROTECTION

SCALE 1:25

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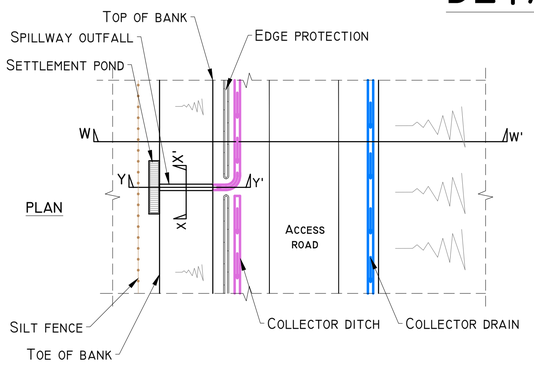
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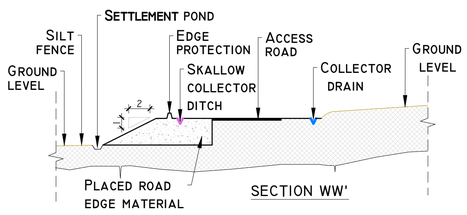
Title: DRAINAGE DETAILS 2

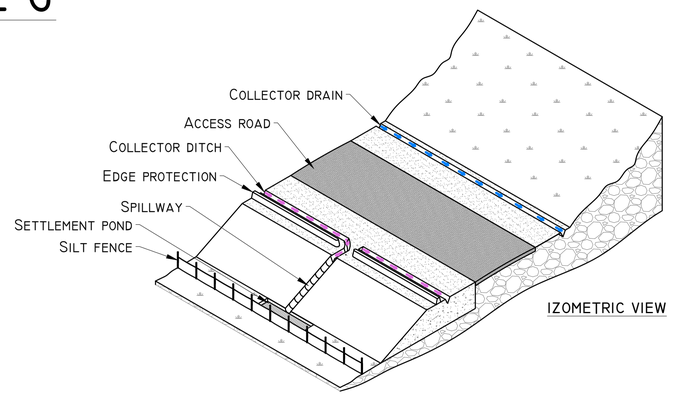
Figure No: D502

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Scale: as shown (A1)	Drawn By: GA
Date: 16/02/2026	Checked By: MG

DETAIL G





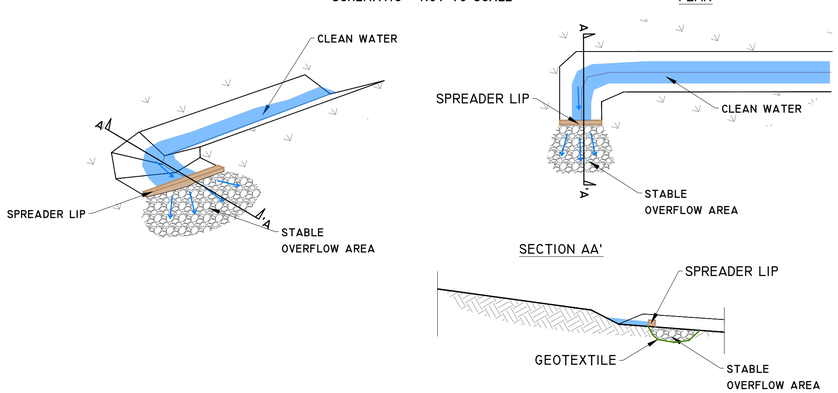


SPILLWAY OUTFALL PLAN
SCHEMATIC - NOT TO SCALE

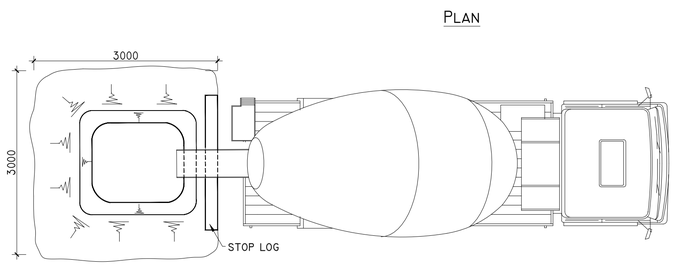
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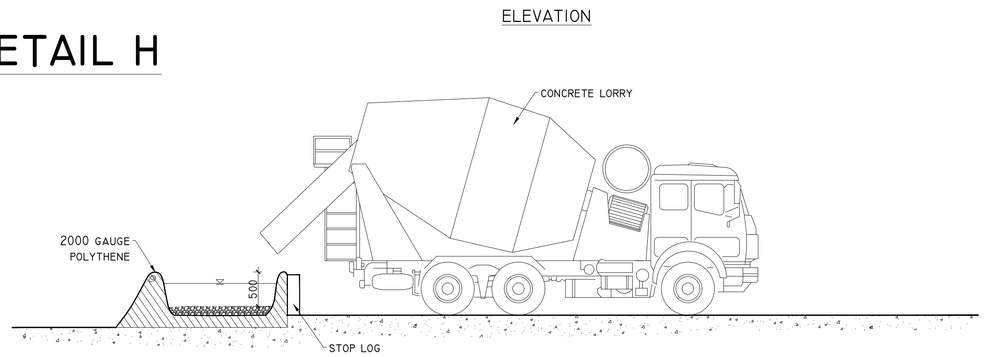
DETAIL J-1

LEVEL SPREADER DETAIL
SCHEMATIC - NOT TO SCALE



TEMPORARY CONCRETE WASH OUT PIT
SCALE 1:50

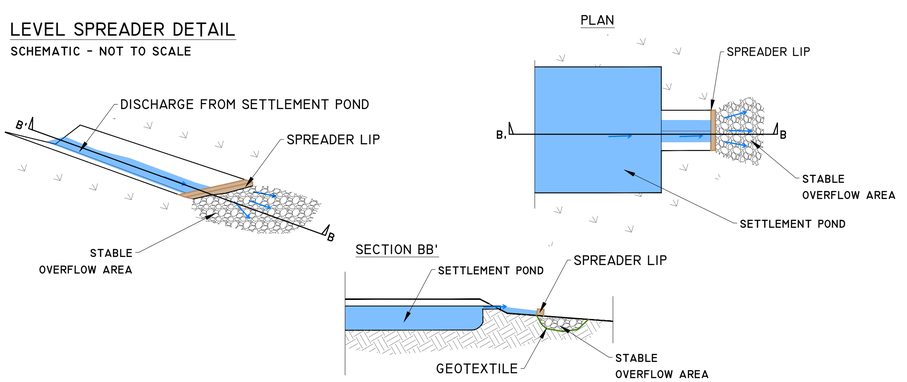




DETAIL H

DETAIL J-2

LEVEL SPREADER DETAIL
SCHEMATIC - NOT TO SCALE



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Client: MKO

Job: Proposed Maughanaclea Renewable Energy Development, Co. Cork

Title: Drainage Details 3

Figure No: D503

Drawing No: P1710-0-0226-A1-D503-00A	
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Scale: as shown (A1)	Drawn By: GA
Date: 16/02/2026	Checked By: MG