



Allt Domhain Wind Farm Environmental Impact Assessment Report Volume 2: Figures

Energyfarm Allt Domhain Ltd

June 2025

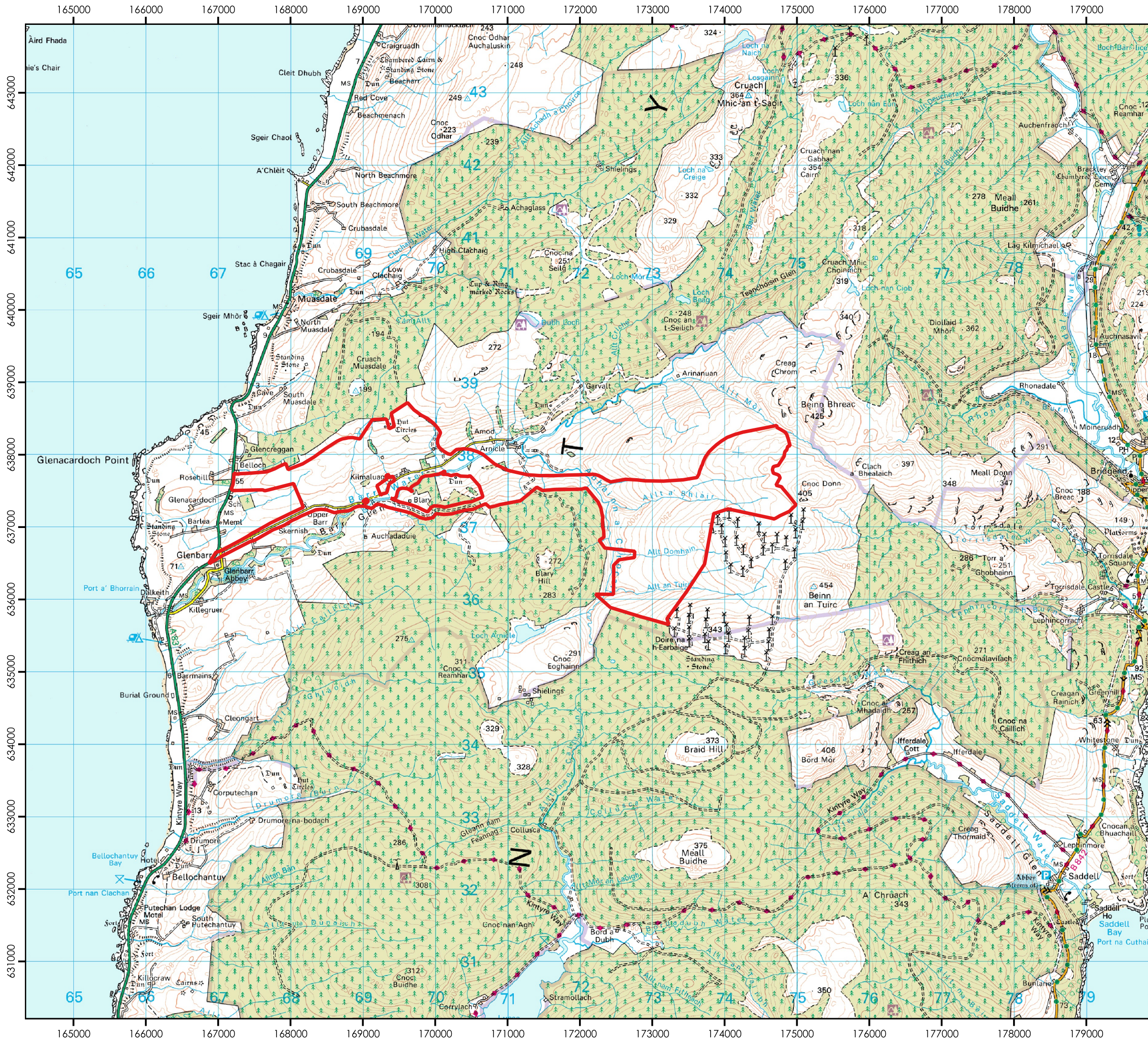
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Figure Number by Chapter	Title
	No figures associated with this chapter
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	No figures associated with this chapter
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	No figures associated with this chapter



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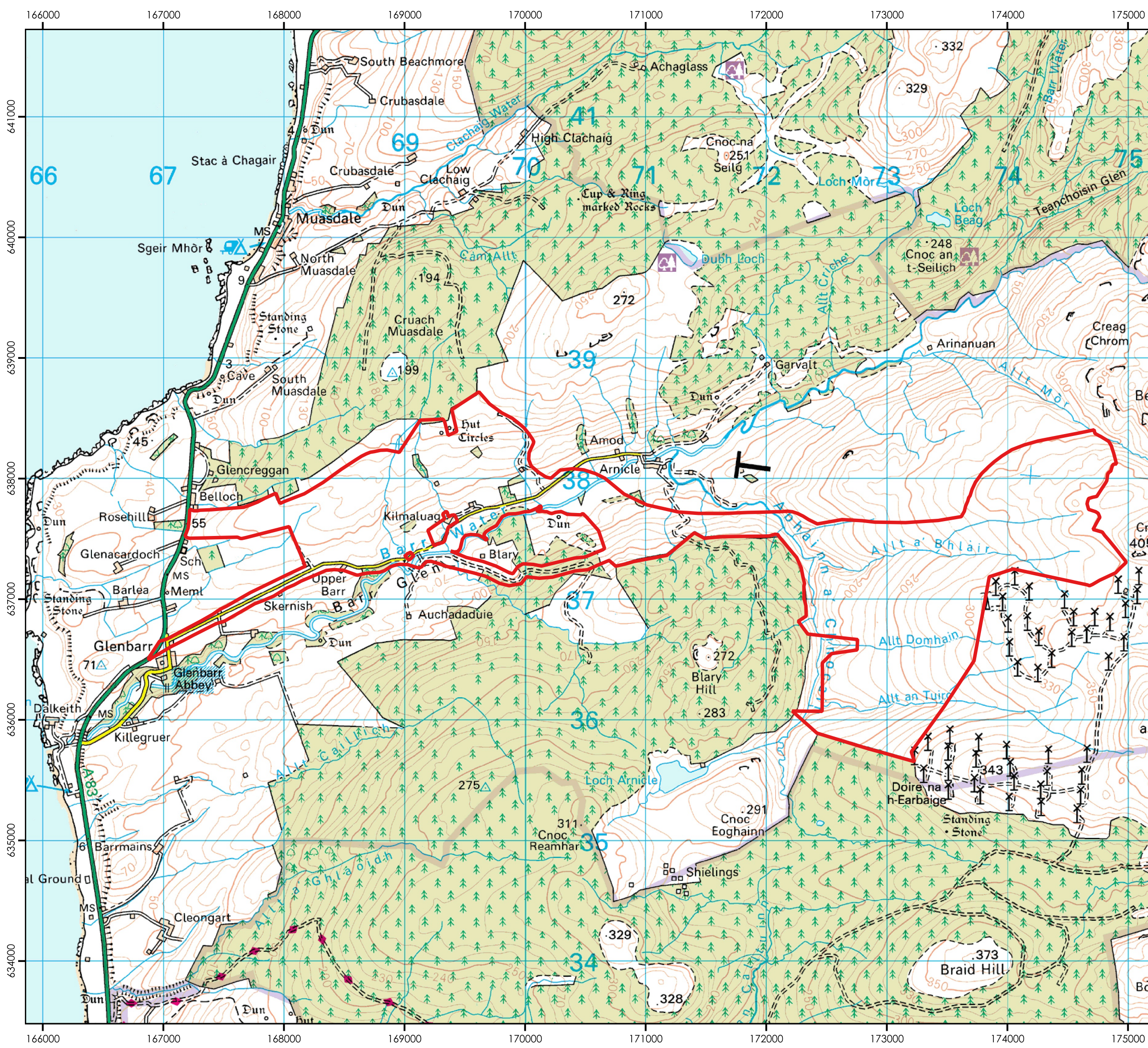
Figure 1.1: Site Location

Key:

 Allt Domhain Site Boundary



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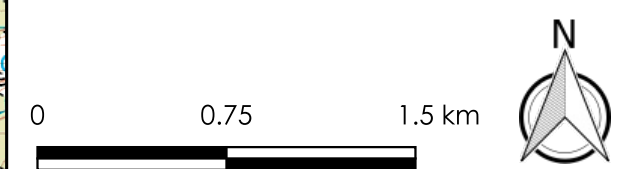
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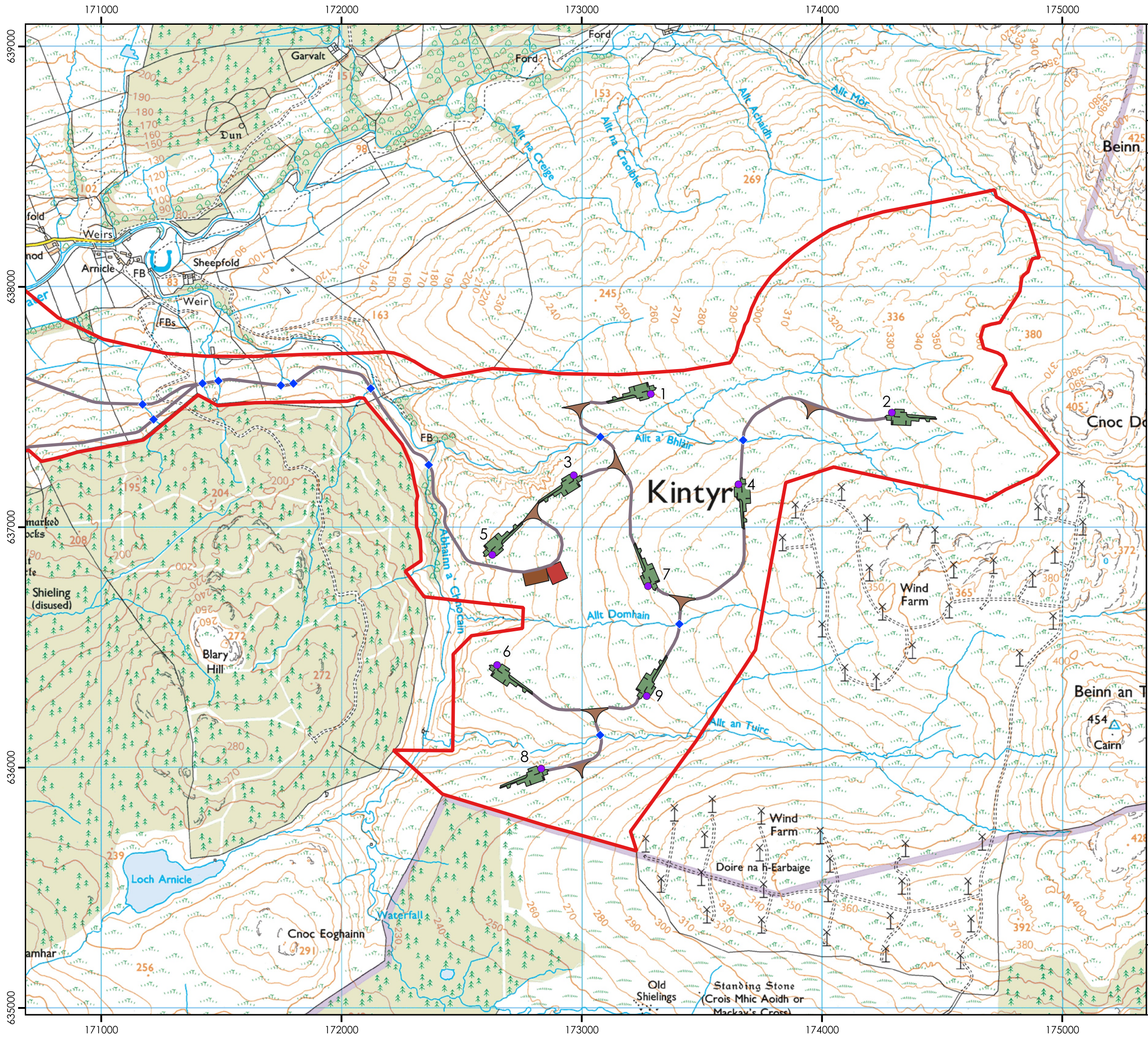
Figure 1.2: Site Boundary

Key:

 Allt Domhain Site Boundary



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Figure 3.1a: Site Layout

Key:

- Allt Domhain Site Boundary
- Turbine Layout
- Construction Compound
- Crane Pad
- Substation compound
- Turning Head
- New Track
- New Water Course Crossing

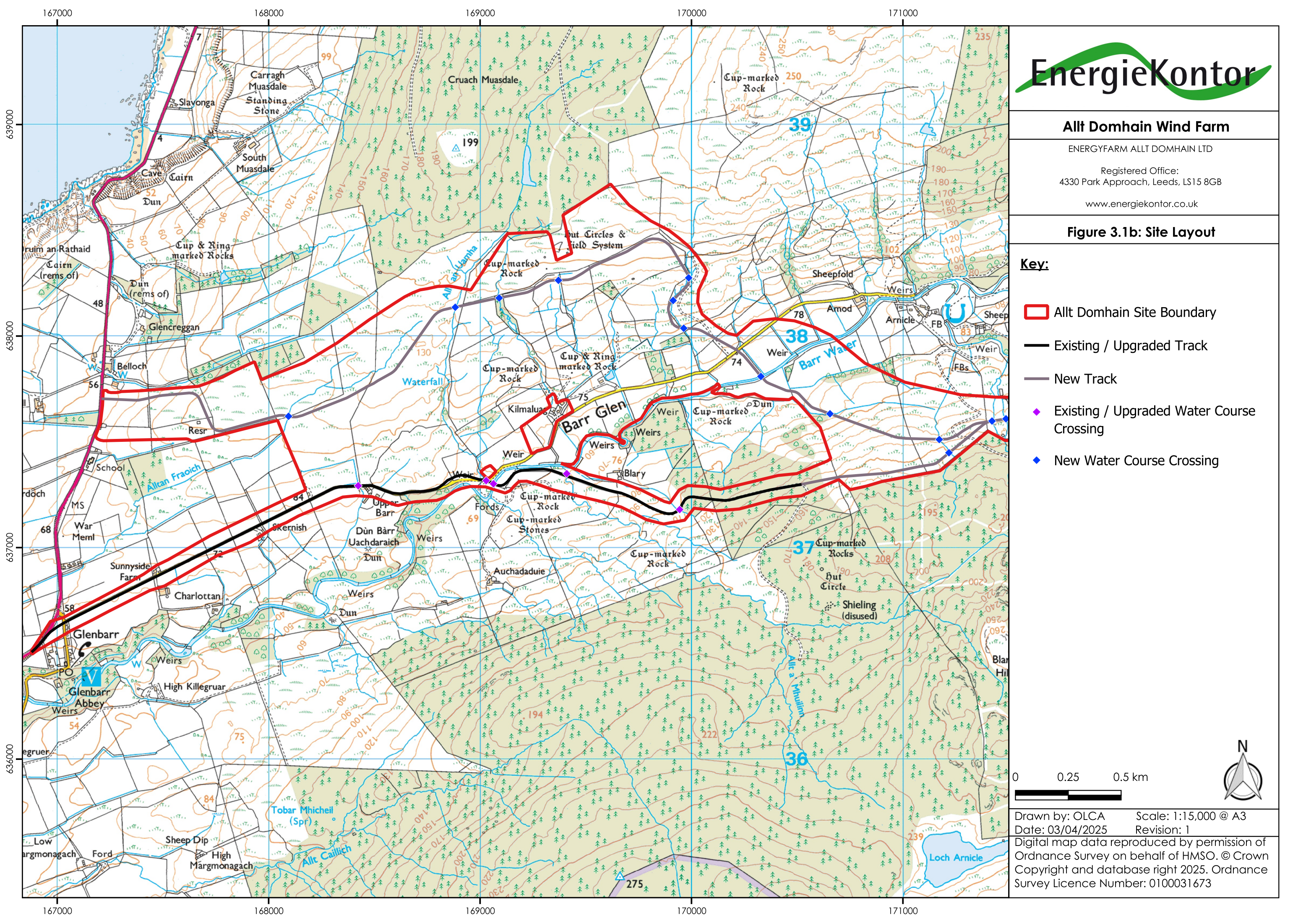
0 0.25 0.5 km



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Figure 3.1b: Site Layout

Key:

- Allt Domhain Site Boundary
- Existing / Upgraded Track
- New Track
- Existing / Upgraded Water Course Crossing
- New Water Course Crossing

0 0.25 0.5 km



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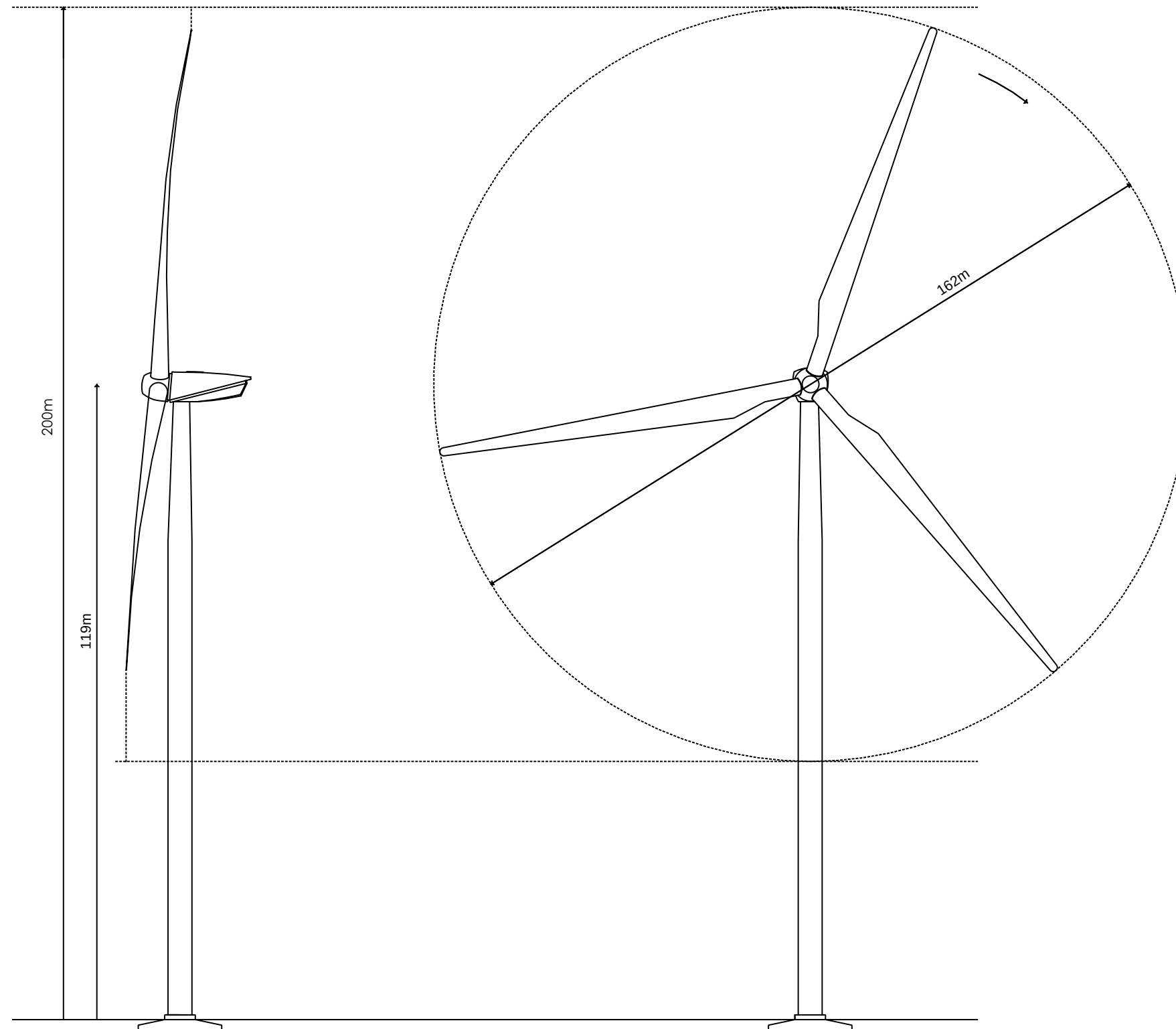
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Figure 3.2a: Typical Turbine Elevation (200m)

Notes:

For indicative purposes only - not to scale.

Based on a Vestas 162 machine.



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Figure 3.2b: Typical Turbine Elevation (230m)

Notes:

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Based on a Vestas 162 machine.

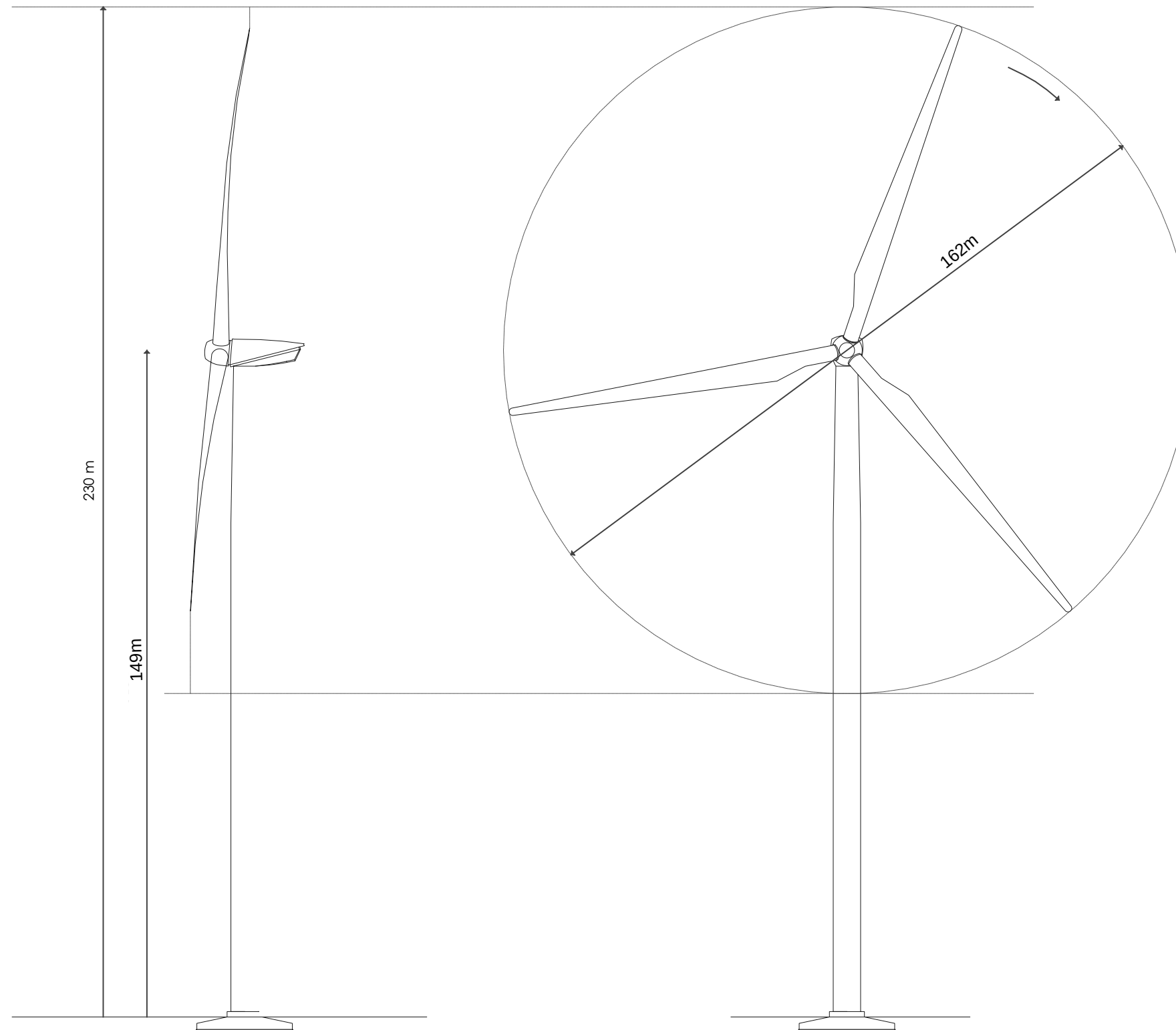


Figure 3.3: Typical Turbine Foundations

KEY:

-  Turbine Base
-  Area accessible to Vehicles
-  Assumed Foundation
-  Ramp
-  Hardstanding
-  Undisturbed ground
-  Infill
-  Selected Top soil

NOTES:

For indicative purposes only



Hardstanding

Ramp

Area accessible
to vehicles

22.9m

4m

Ramp

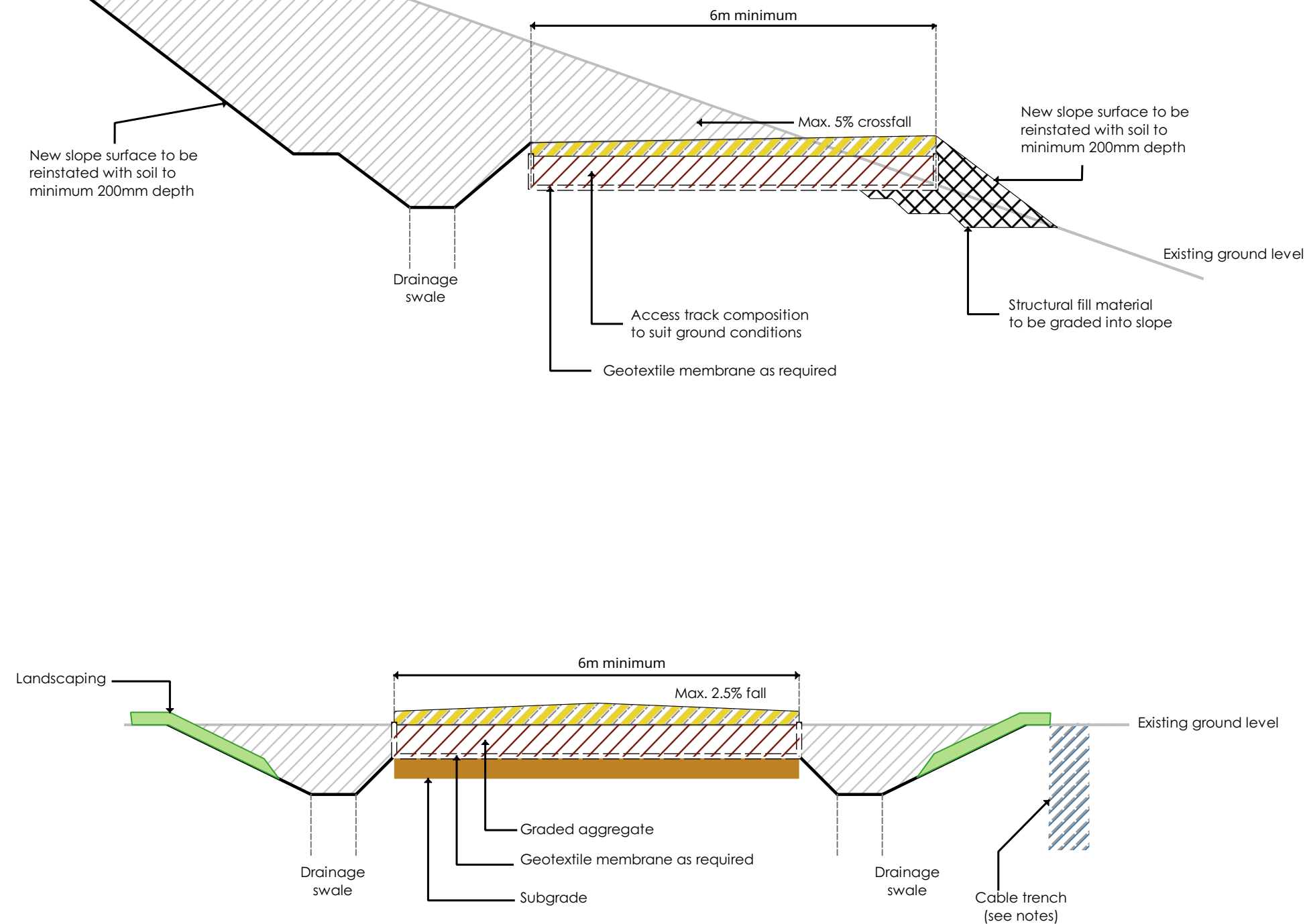
max 1.25m

Selected top soil

Selected infill material

Undisturbed ground

Figure 3.4: Typical Track Cross Sections



KEY:

-  Access Track
-  Geotextile Membrane
-  Graded Gravel
-  Subgrade
-  Structural Fill
-  Landscaping
-  Gradient
-  Cable Trench

NOTES:

1. Track width will vary depending on turbine choice, local ground conditions and at corners and crossing points.
2. The proximity of cable trenches to tracks will vary.
3. Landscaping will utilise excavated material where suitable. Spoil management will be in line with best practice.
4. Swale design will vary.

Figure 3.5: Typical Watercourse Crossing

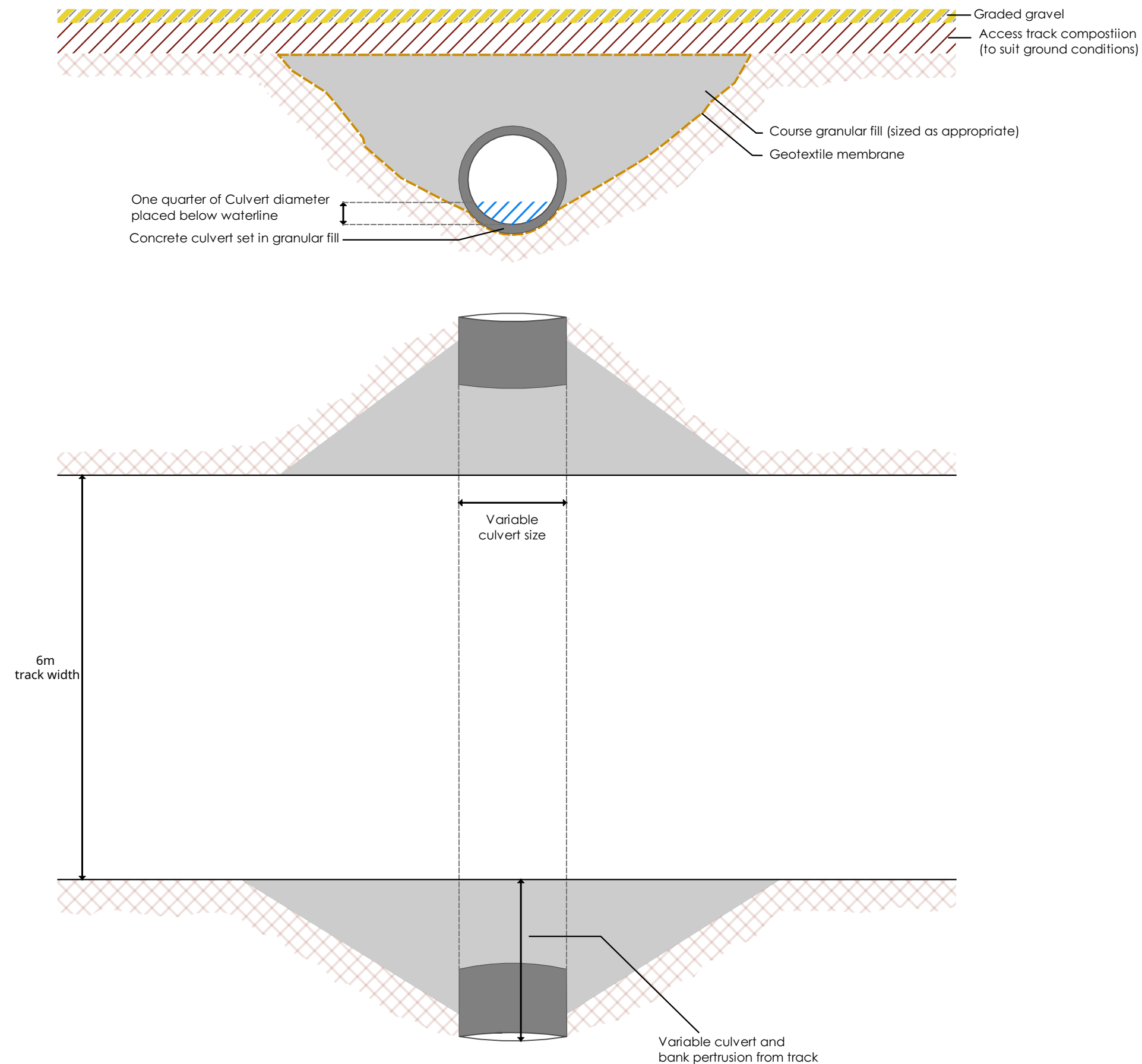
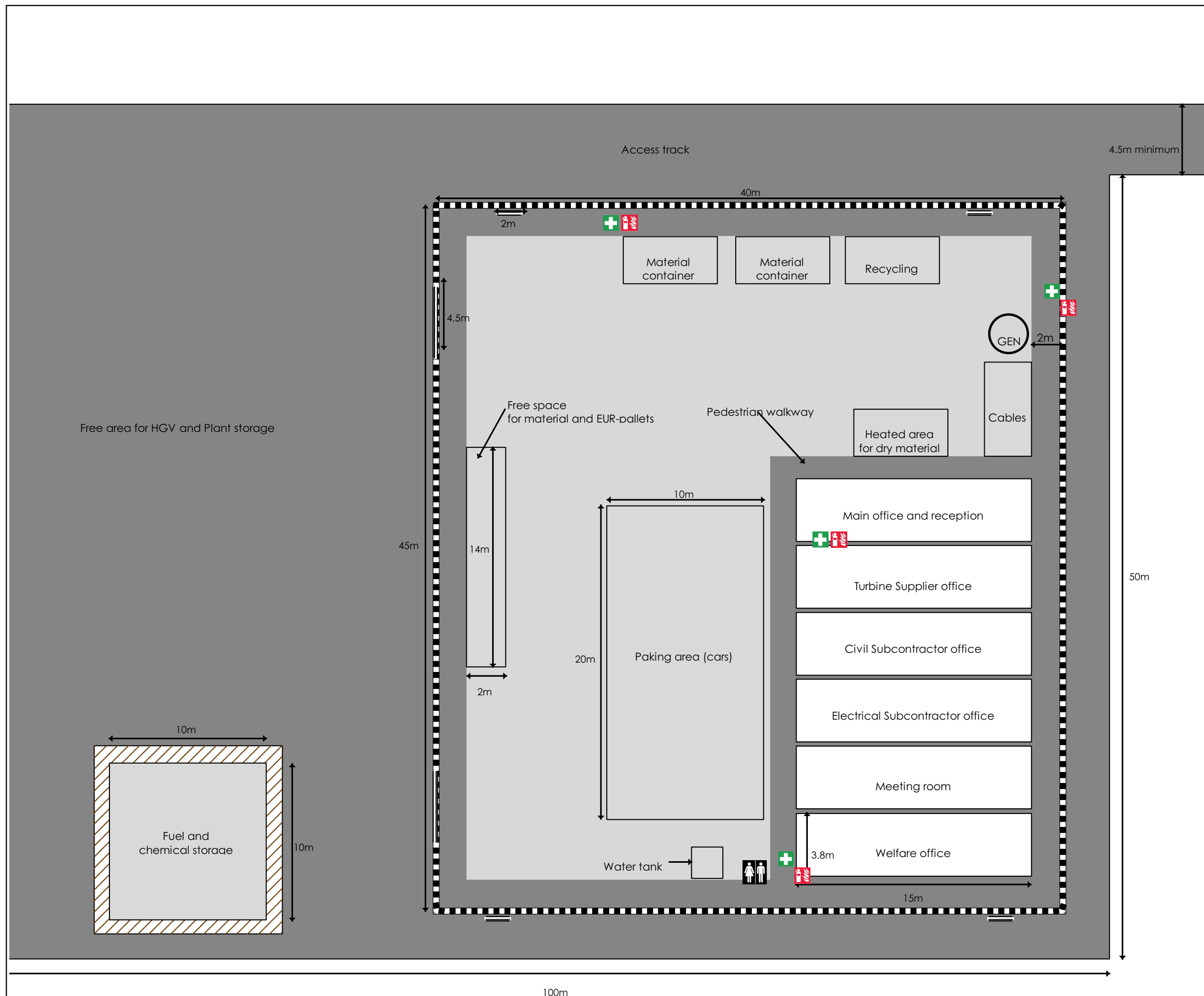


Figure 3.6: Typical Construction Compound



KEY:

-  GEN
-  Entrance Gates
-  Compound areas
-  Areas for construction compound
-  Bunding
-  Perimeter Fence
-  Parking Area
-  Free area

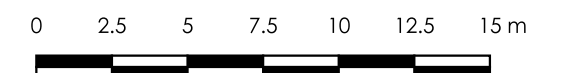
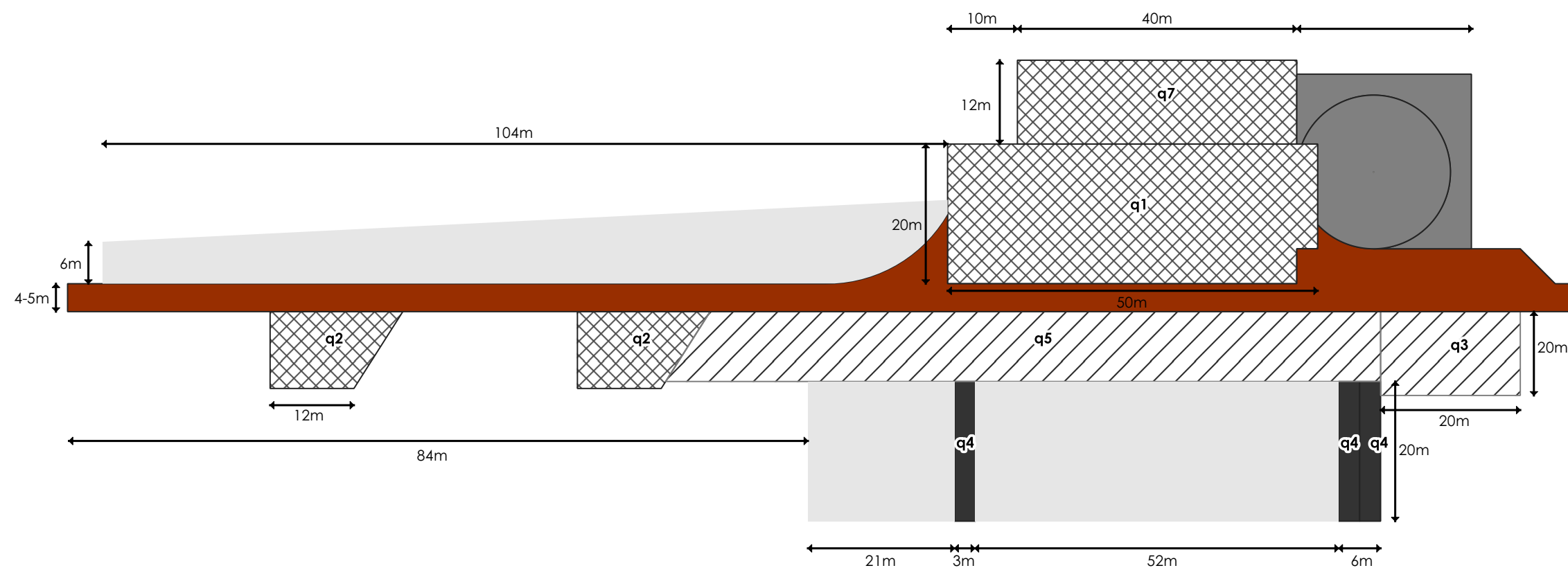


Figure 3.7: Typical Crane Hardstanding



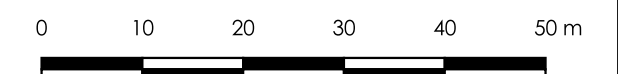
KEY:

-  Foundation area
-  Hardstanding
-  Site road
-  Storage areas for components & containers
-  Trestle area for blades
-  Cleared area prepared as working area

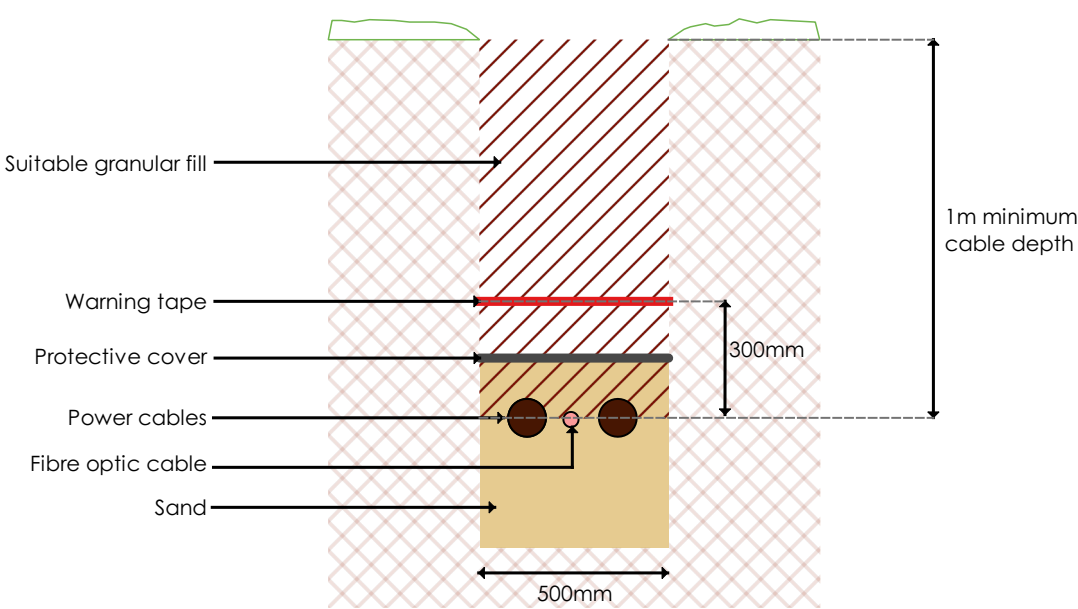
NOTES:

- q1: Hardstand for Main Crane
- q2: Hardstand for Assist Crane
- q3: Storage/Assembly Area
- q4: Trestle area for blades
- q5: Storage area for components
- q6: Hardstand for Boom Assembly
- q7: Hardstand for Superlift ballast

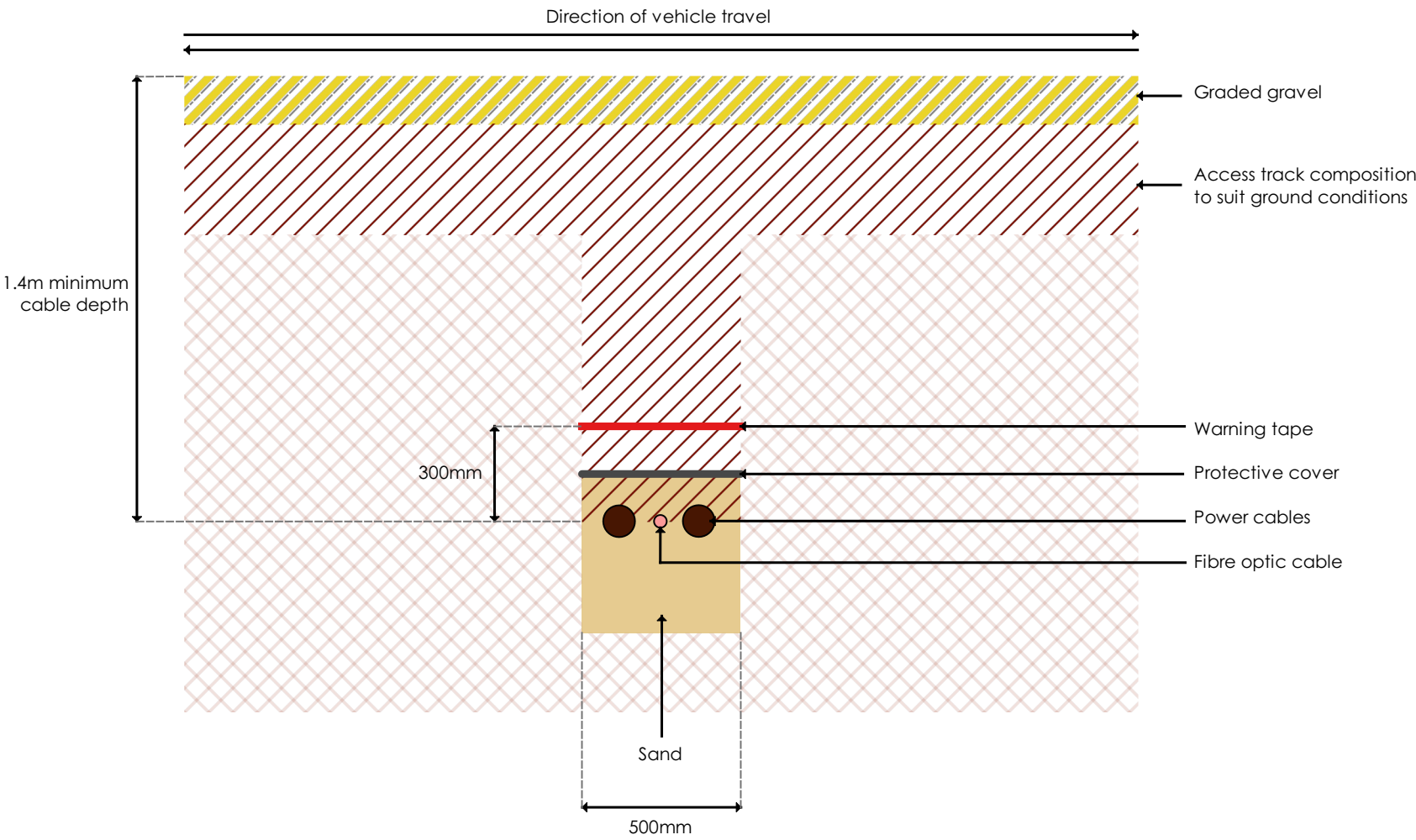
All measurements are for indicative purposes only



TYPICAL PARALLEL TRENCH



TYPICAL PARALLEL TRENCH



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Figure 3.8: Typical Cable Trench Design





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Figure 3.9: Typical 132kv Substation & Compound

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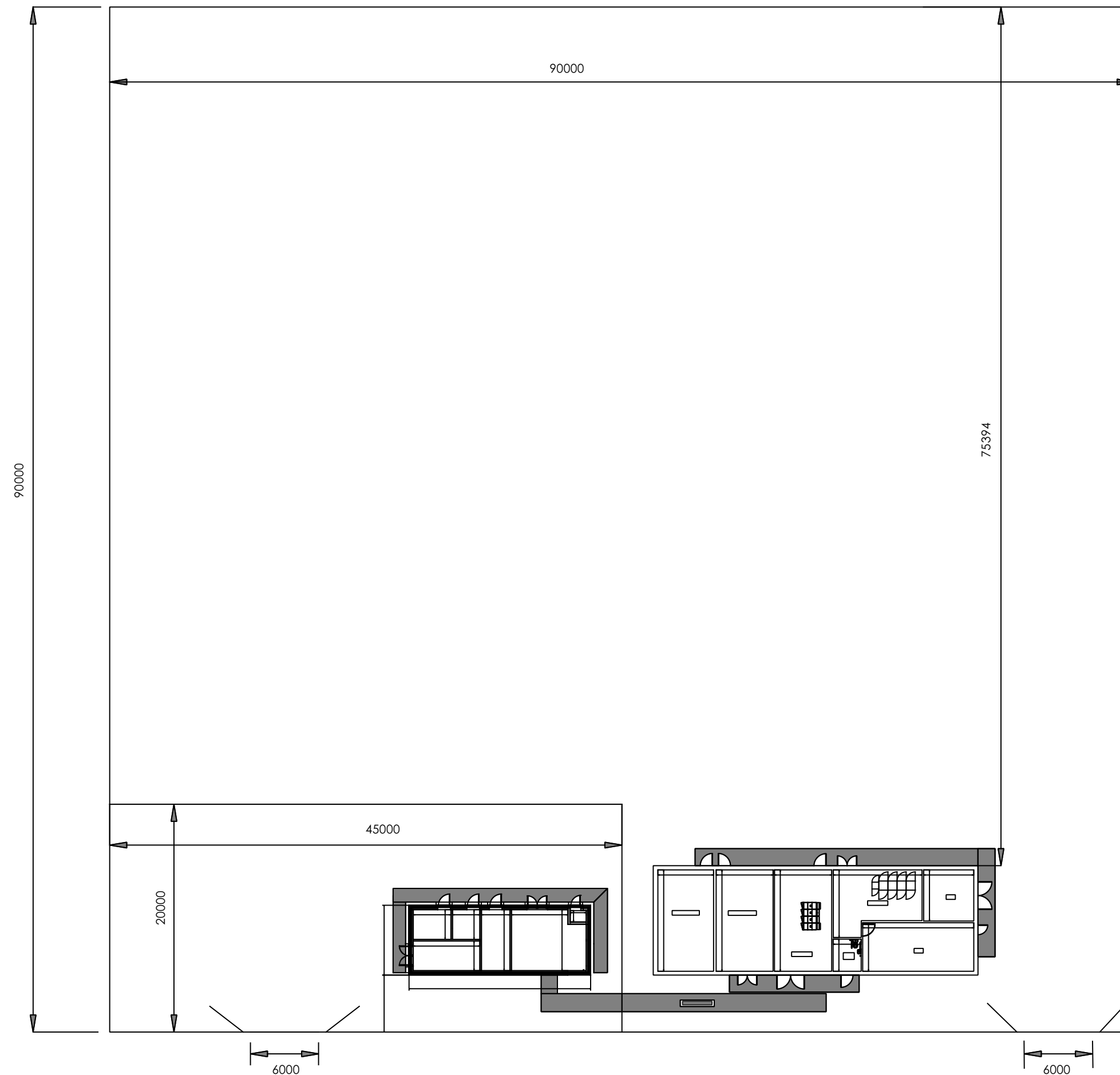
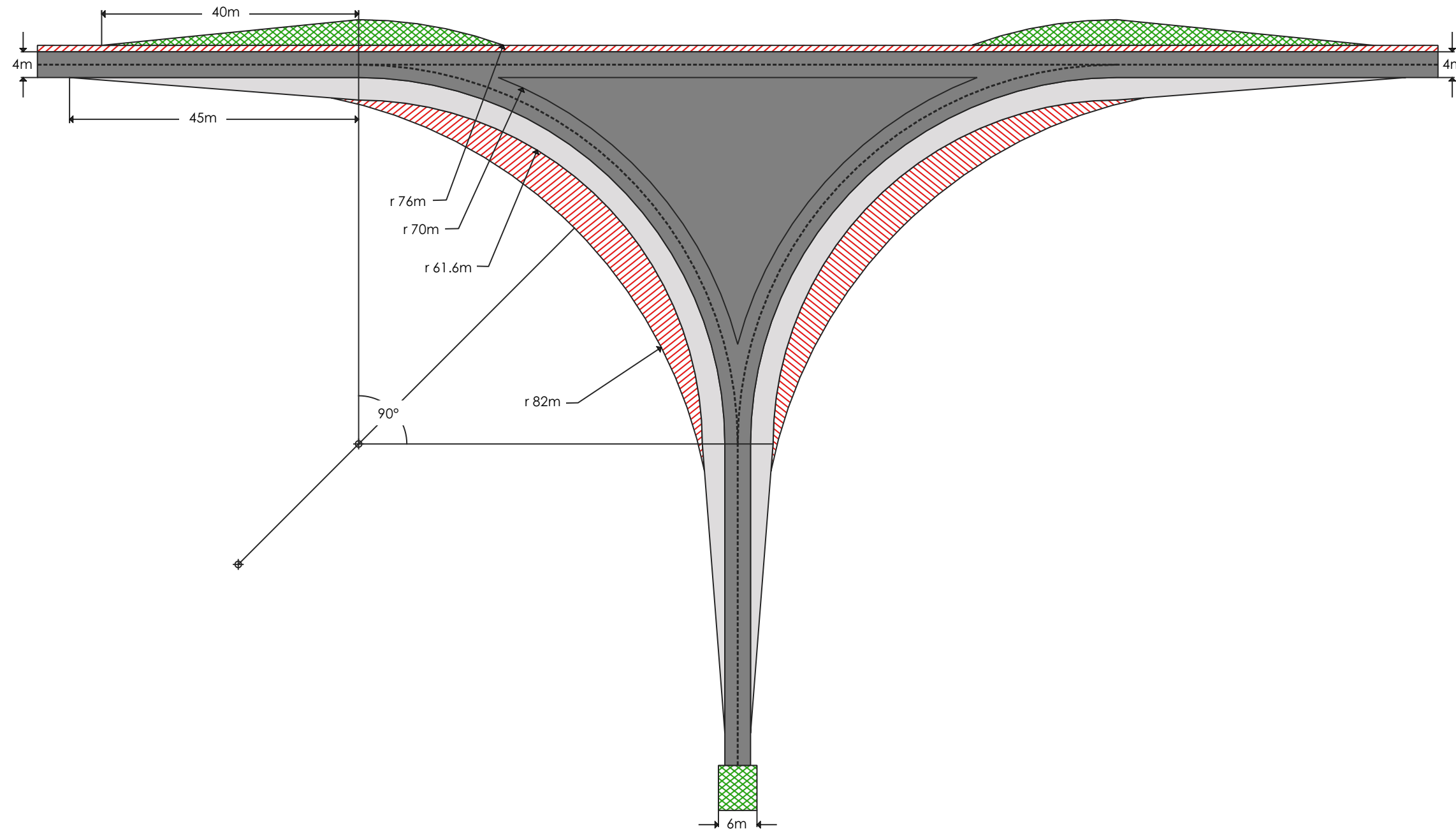
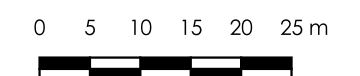


Figure 3.10: Typical Turning Head



KEY:

-  Outer slewing area / rotor blade projection 1.00 m above ground level
-  Inner slewing area + clearance profile / tower section projection 0.20 m above ground level
-  Roadway/roadway extension = ground level
-  Roadway/roadway extension = ground level



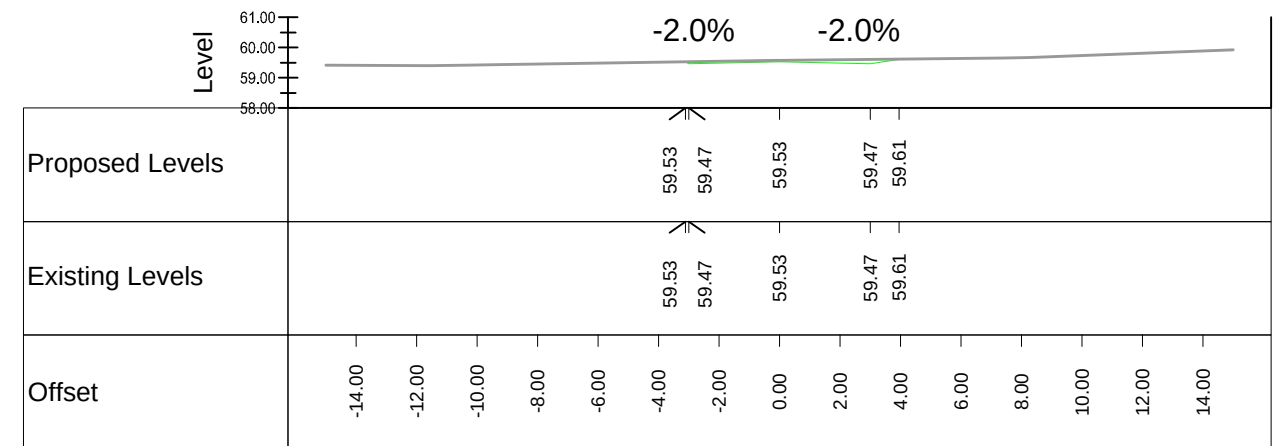
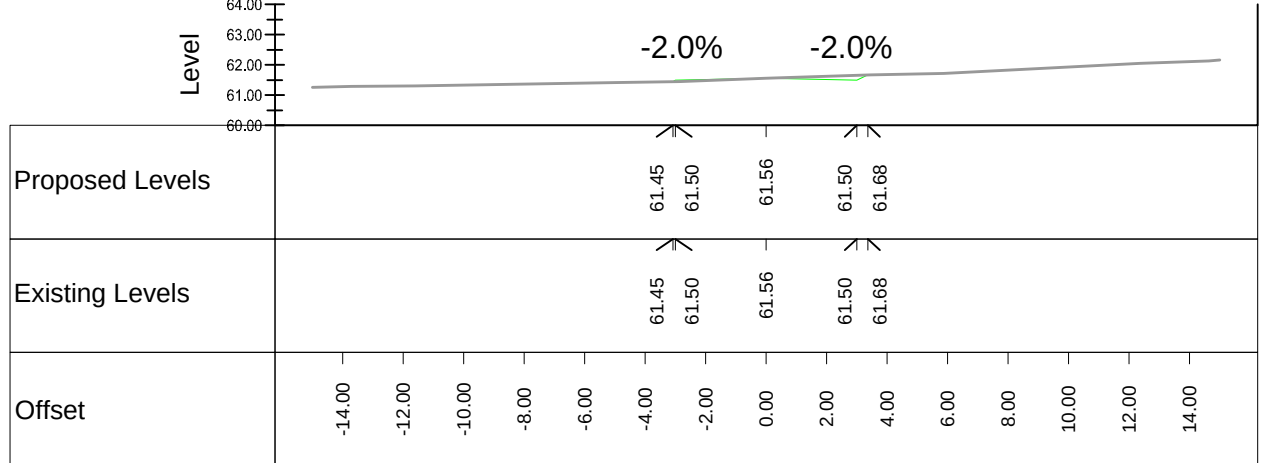
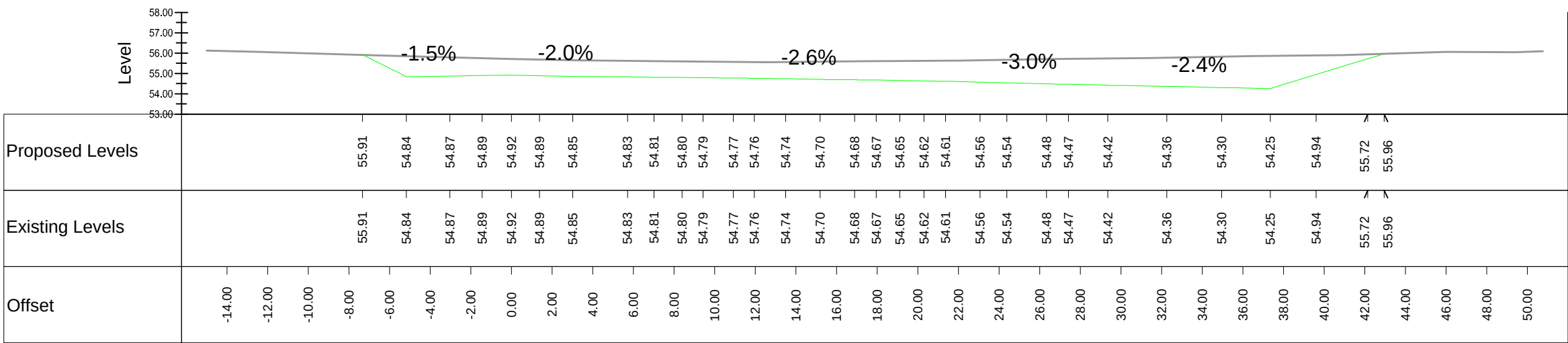
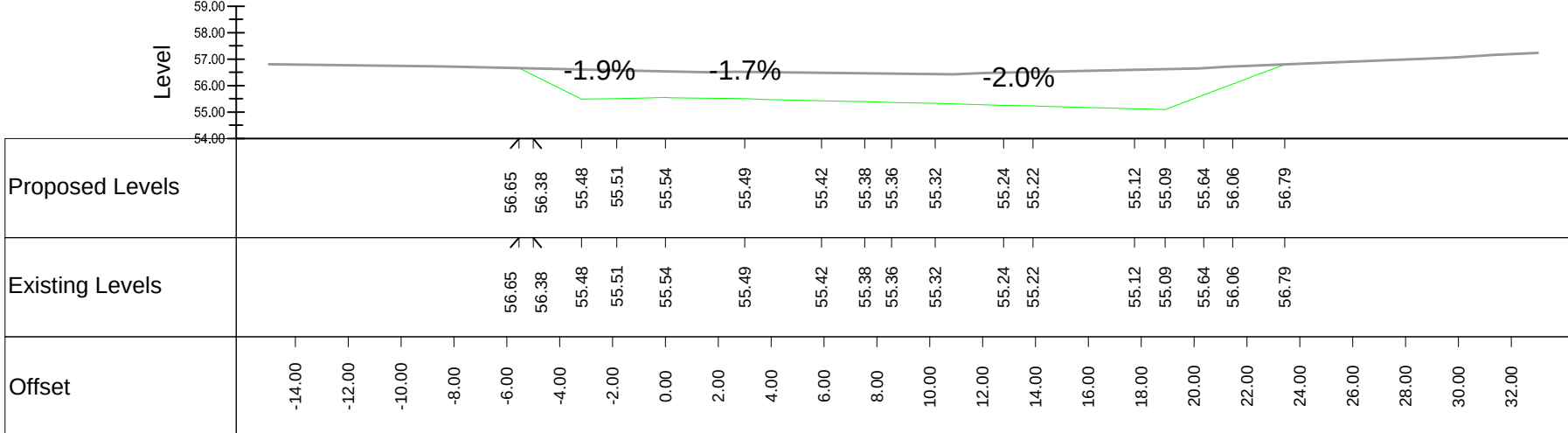
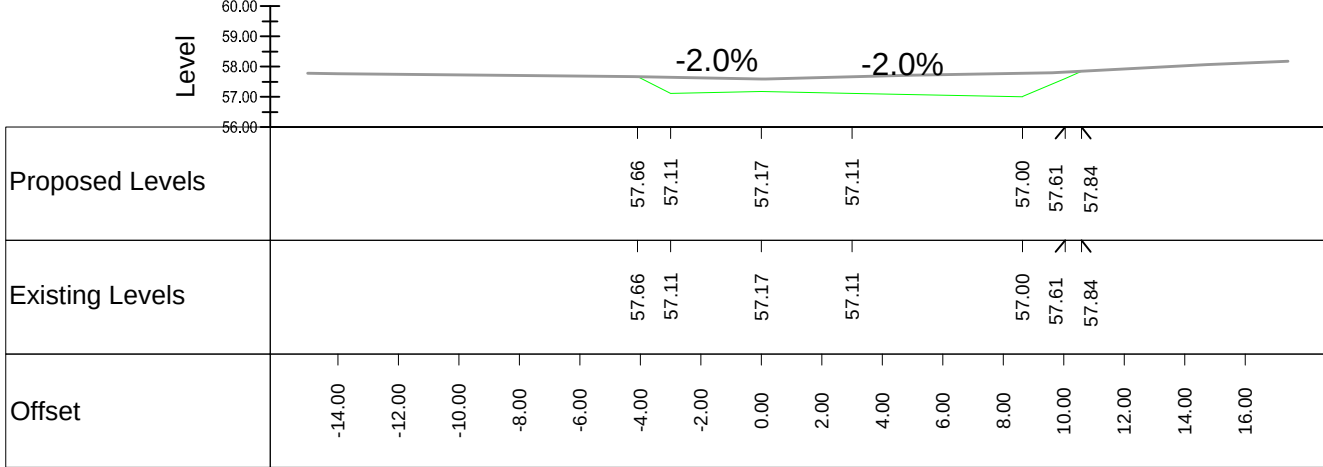
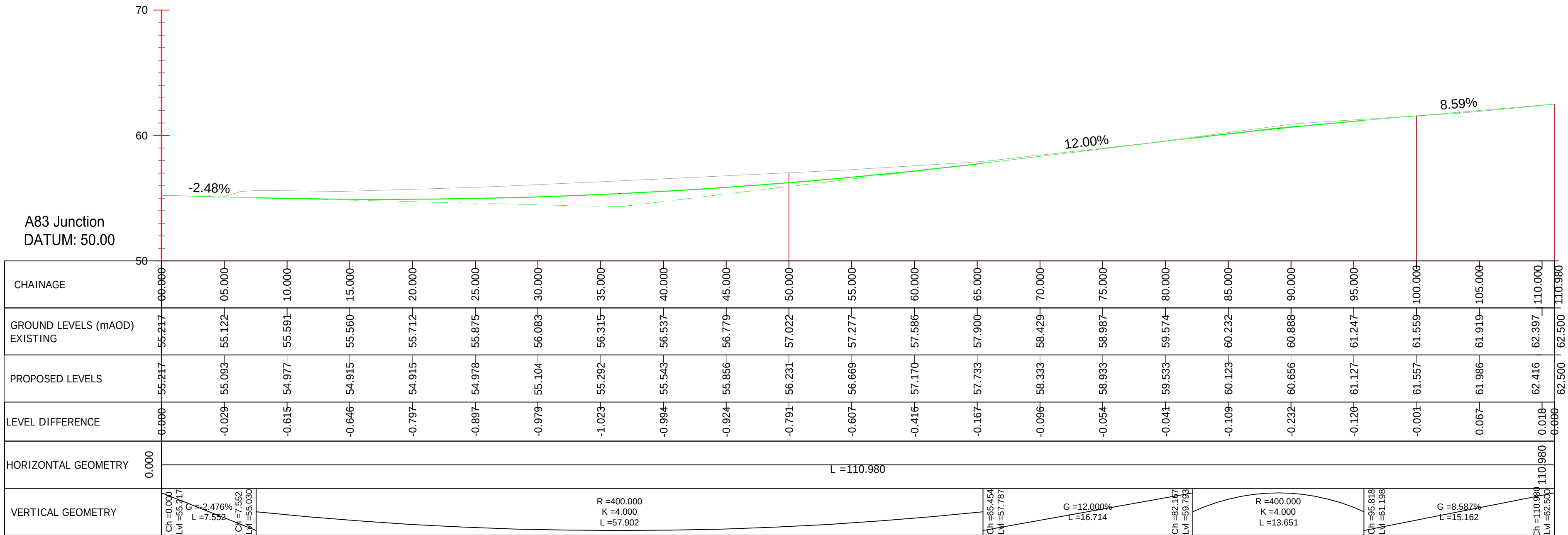


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KEY:

— EXISTING LEVELS

— PROPOSED LEVELS



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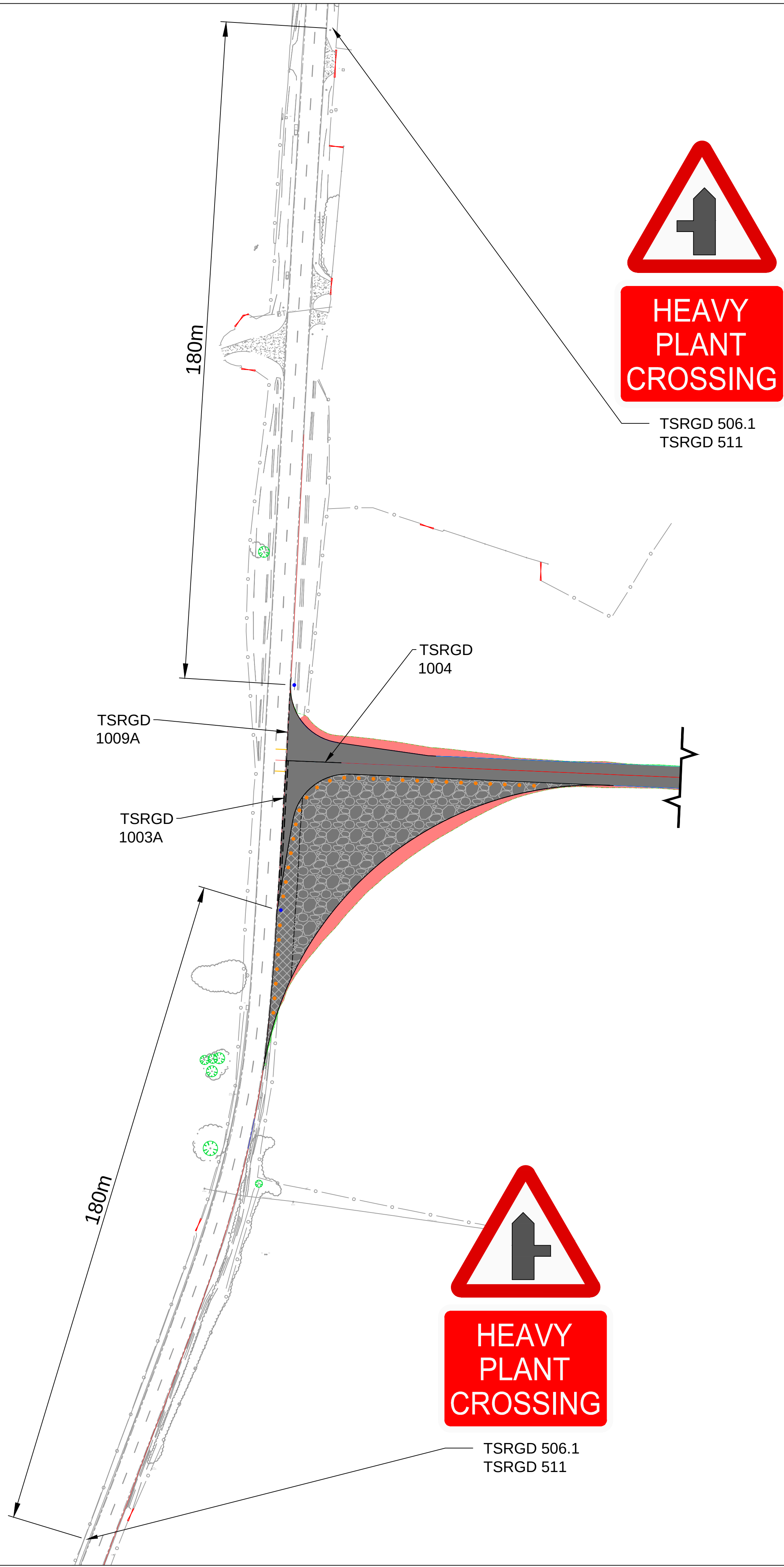
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A83 Junction
Section Views

	Name	Date	Scale	1:250 @ A1
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Checked	SCM	19.05.2025	Drawing Status	DRAFT
Drawing No.				Revision
10109651_001_2				3



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- KEY:
- PROPOSED JUNCTION AND TRACK
 - CUT EARTHWORKS
 - FILL EARTHWORKS
 - PROPOSED ADDITIONAL WIDENING TO ACCOMMODATE ABNORMAL LOADS
 - PROPOSED HARD SHOULDER
 - BOLLARD / JUNCTION MARKER TO BE INSTALLED IN NAL SOCKET
 - TEMPORARY BOLLARD

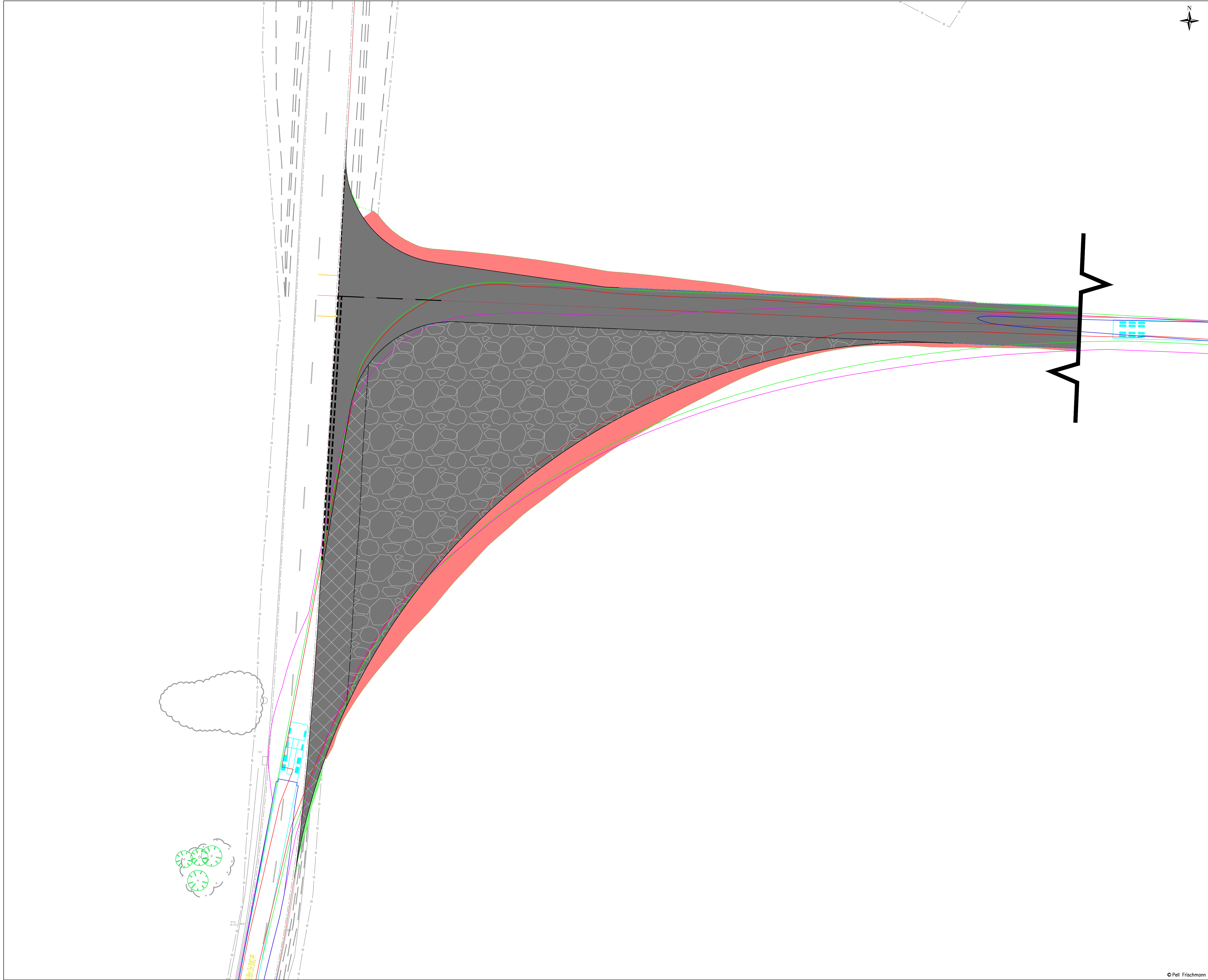
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Client
EnergieKontor

Project
Allt Domhain Wind Farm

Drawing Title
**A83 Junction
Signing and Lining**

	Name	Date	Scale	1:750 @ A1
Designed	JS	19.05.2025	File	250519 Allt Domhain Junction Design
Checked	SCM	19.05.2025	Drawing Status	DRAFT
Drawing No.	10109651_001_3			Revision 3



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KEY:

- VEHICLE WHEELS
- VEHICLE LOAD
- VEHICLE BODY

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Client

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Project

Alt Domhain Wind Farm

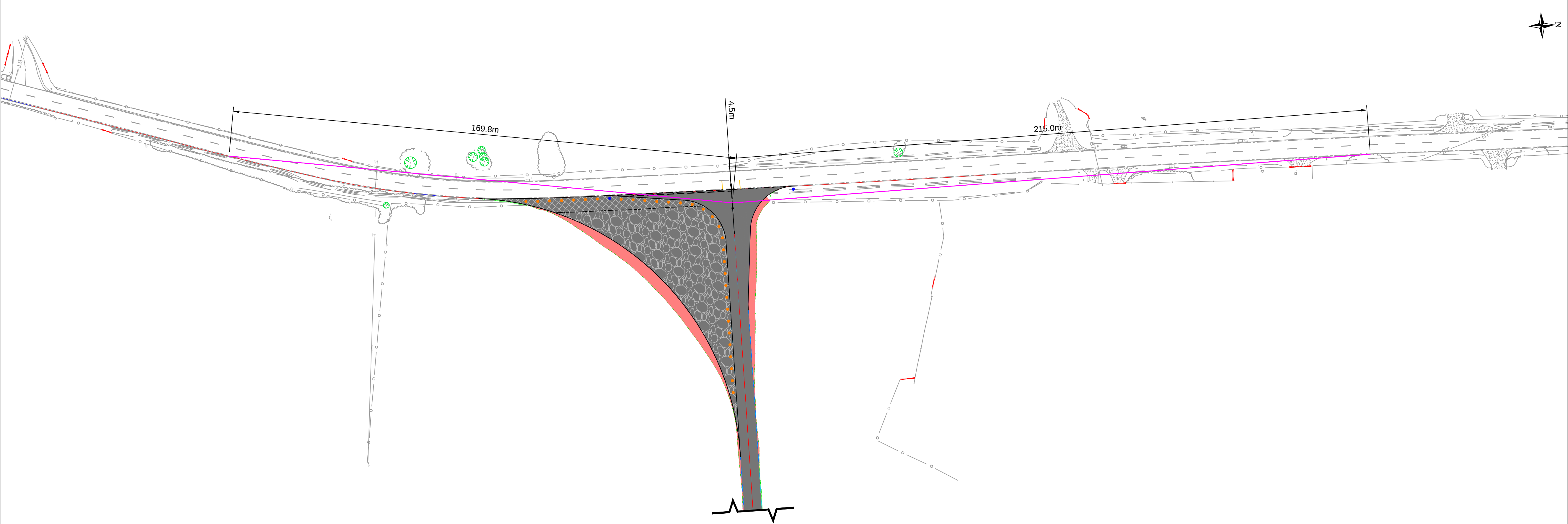
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A83 Junction
Swept Path Analysis
V162 Blade Superwing Carrier

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Checked	SCM	19.05.2025	DRAFT

Drawing No. 10109651_001_4

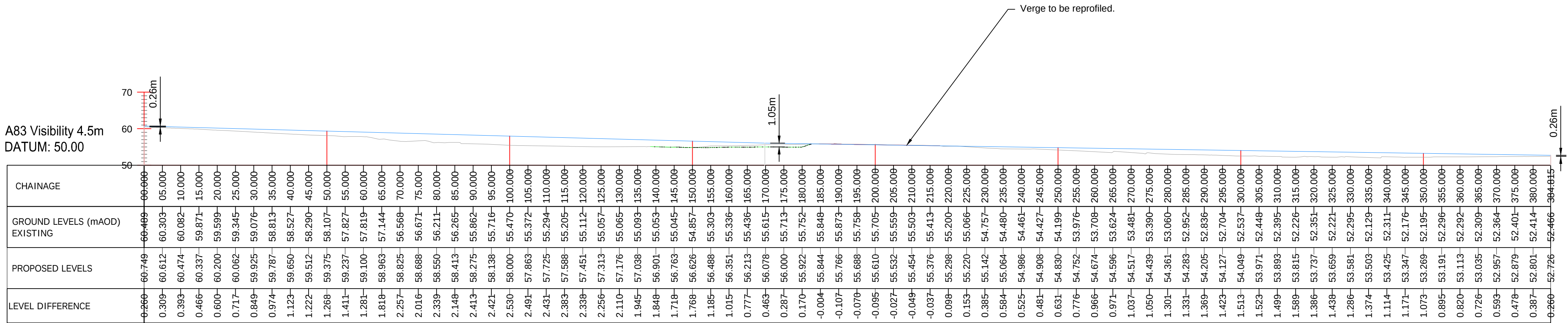
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KEY:
VISIBILITY SPLOY

PROFILE KEY
EXISTING LEVELS
PROPOSED LEVELS
SIGHT LINE
REPROFILEING REQUIRED



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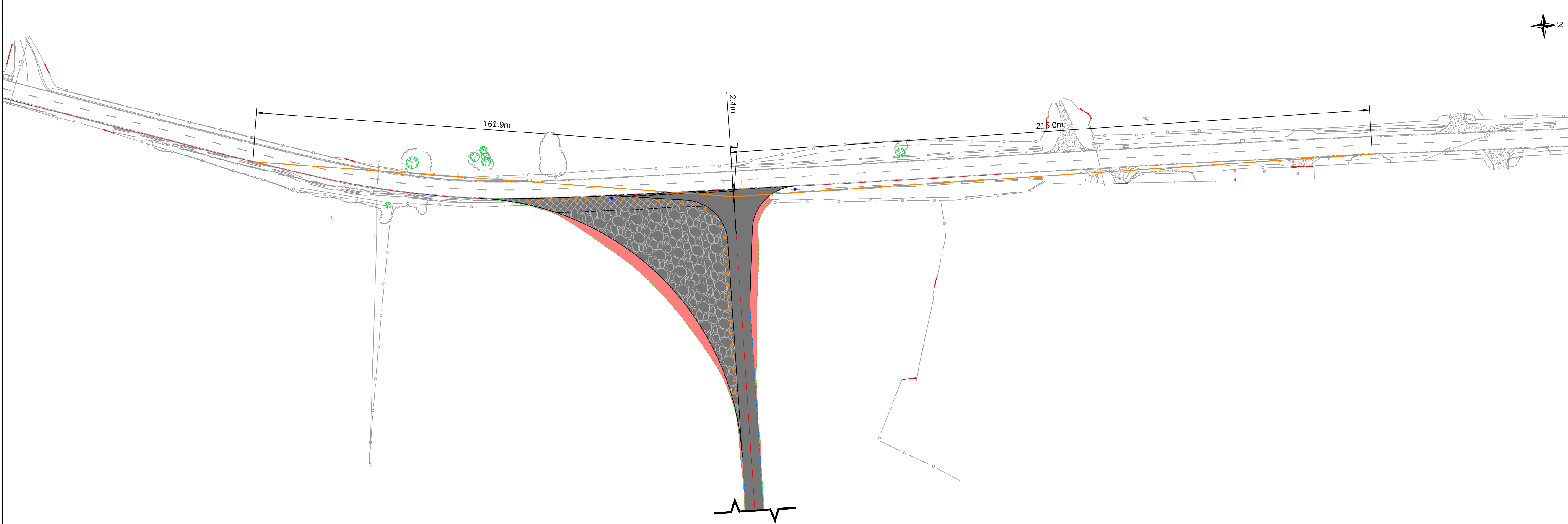
Client
EnergieKontor

Project
Allt Domhain Wind Farm

Drawing Title
**A83 Junction
Visibility
4.5m Setback**

	Name	Date	Scale
Designed	JS	19.05.2025	1:750 @ A1
Checked	SCM	19.05.2025	Drawing Status DRAFT

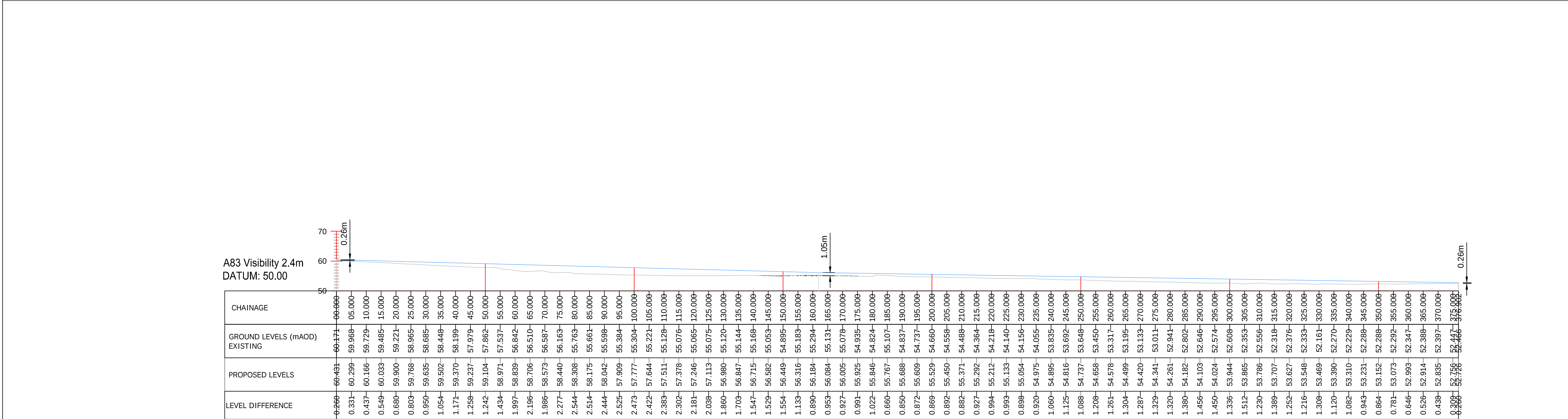
Drawing No.	Revision
10109651_001_5	3



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KEY:

— VISIBILITY SPY



PROFILE KEY

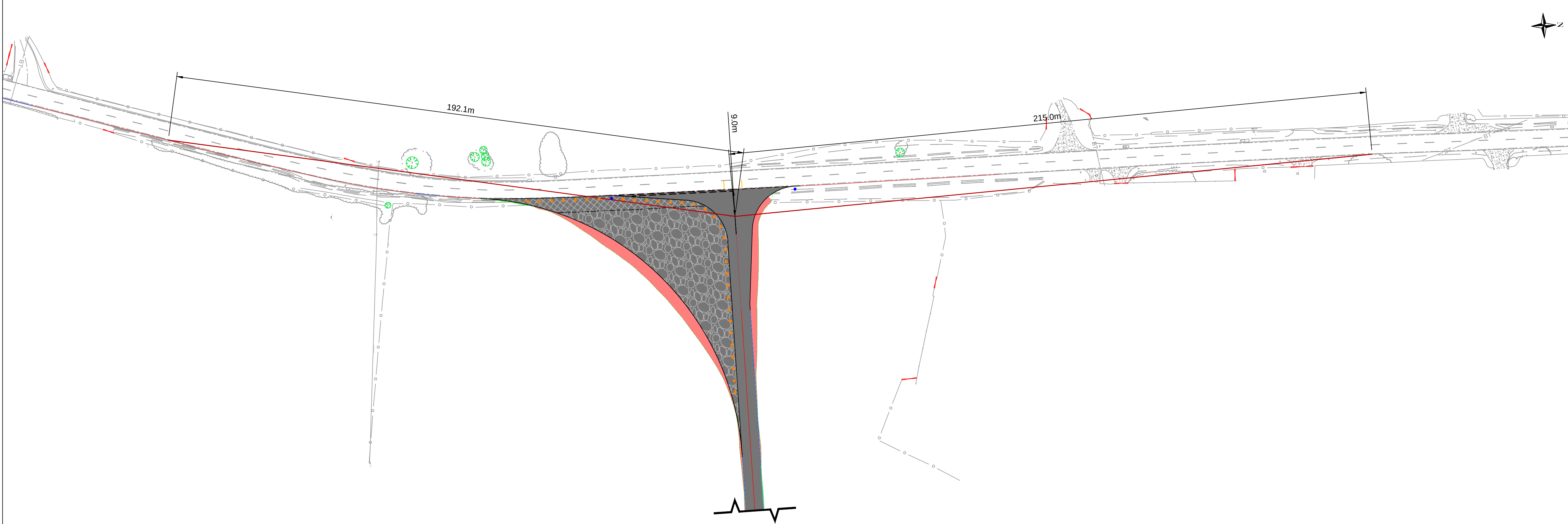
— EXISTING LEVELS

— PROPOSED LEVELS

— SIGHT LINE

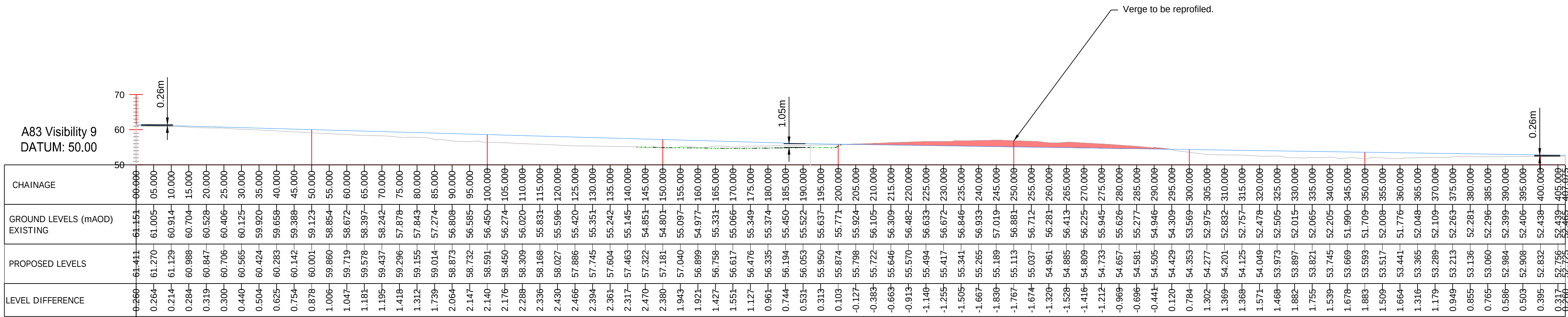
A83 Junction Visibility 2.4m Setback			
CHAINAGE	GROUND LEVELS (mAOD) EXISTING	PROPOSED LEVELS	LEVEL DIFFERENCE
6+260	60.431	60.431	0.000
6+259	60.299	60.299	0.000
6+258	60.166	60.166	0.000
6+257	60.033	60.033	0.000
6+256	59.900	59.900	0.000
6+255	59.768	59.768	0.000
6+254	59.635	59.635	0.000
6+253	59.502	59.502	0.000
6+252	59.370	59.370	0.000
6+251	59.237	59.237	0.000
6+250	59.104	59.104	0.000
6+249	58.971	58.971	0.000
6+248	58.839	58.839	0.000
6+247	58.706	58.706	0.000
6+246	58.573	58.573	0.000
6+245	58.440	58.440	0.000
6+244	58.308	58.308	0.000
6+243	58.175	58.175	0.000
6+242	58.042	58.042	0.000
6+241	57.909	57.909	0.000
6+240	57.777	57.777	0.000
6+239	57.644	57.644	0.000
6+238	57.511	57.511	0.000
6+237	57.378	57.378	0.000
6+236	57.246	57.246	0.000
6+235	57.113	57.113	0.000
6+234	56.980	56.980	0.000
6+233	56.847	56.847	0.000
6+232	56.715	56.715	0.000
6+231	56.582	56.582	0.000
6+230	56.449	56.449	0.000
6+229	56.316	56.316	0.000
6+228	56.184	56.184	0.000
6+227	56.051	56.051	0.000
6+226	55.918	55.918	0.000
6+225	55.785	55.785	0.000
6+224	55.652	55.652	0.000
6+223	55.519	55.519	0.000
6+222	55.386	55.386	0.000
6+221	55.253	55.253	0.000
6+220	55.120	55.120	0.000
6+219	54.987	54.987	0.000
6+218	54.854	54.854	0.000
6+217	54.721	54.721	0.000
6+216	54.588	54.588	0.000
6+215	54.455	54.455	0.000
6+214	54.322	54.322	0.000
6+213	54.189	54.189	0.000
6+212	54.056	54.056	0.000
6+211	53.923	53.923	0.000
6+210	53.790	53.790	0.000
6+209	53.657	53.657	0.000
6+208	53.524	53.524	0.000
6+207	53.391	53.391	0.000
6+206	53.258	53.258	0.000
6+205	53.125	53.125	0.000
6+204	52.992	52.992	0.000
6+203	52.859	52.859	0.000
6+202	52.726	52.726	0.000
6+201	52.593	52.593	0.000
6+200	52.460	52.460	0.000
6+199	52.327	52.327	0.000
6+198	52.194	52.194	0.000
6+197	52.061	52.061	0.000
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6+193	51.529	51.529	0.000
6+192	51.396	51.396	0.000
6+191	51.263	51.263	0.000
6+190	51.130	51.130	0.000
6+189	51.000	51.000	0.000
6+188	50.867	50.867	0.000
6+187	50.734	50.734	0.000
6+186	50.601	50.601	0.000
6+185	50.468	50.468	0.000
6+184	50.335	50.335	0.000
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6+182	50.069	50.069	0.000
6+181	49.936	49.936	0.000
6+180	49.803	49.803	0.000
6+179	49.670	49.670	0.000
6+178	49.537	49.537	0.000
6+177	49.404	49.404	0.000
6+176	49.271	49.271	0.000
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6+172	48.739	48.739	0.000
6+171	48.606	48.606	0.000
6+170	48.473	48.473	0.000
6+169	48.340	48.340	0.000
6+168	48.207	48.207	0.000
6+167	48.074	48.074	0.000
6+166	47.941	47.941	0.000
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6+164	47.675	47.675	0.000
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6+162	47.409	47.409	0.000
6+161	47.276	47.276	0.000
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6+152	46.079	46.079	0.000
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6+137	44.084	44.084	0.000
6+136	43.951	43.951	0.000
6+135	43.818	43.818	0.000
6+134	43.685	43.685	0.000
6+133	43.552	43.552	0.000
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6+119	41.690	41.690	0.000
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6+111	40.626	40.626	0.000
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6+109	40.360	40.360	0.000
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6+89	37.700	37.700	0.000
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6+72	35.439	35.439	0.000
6+71	35.306	35.306	0.000
6+70	35.173	35.173	0.000
6+69	35.040	35.040	0.000
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6+45	31.848	31.848	0.000
6+44	31.715	31.715	0.000
6+43	31.582	31.582	0.000
6+42	31.449	31.449	0.000
6+41	31.316	31.316	0.000
6+40	31.183	31.183	0.000
6+39	31.050	31.050	0.000
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6+36	30.651	30.651	0.000
6+35	30.518	30.518	0.000
6+34	30.385	30.385	0.000
6+33	30.252	30.252	0.000
6+32	30.119	30.119	0.000
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6+14	27.725	27.725	0.000
6+13	27.592	27.592	0.000
6+12	27.459	27.459	0.000
6+11	27.326	27.326	0.000
6+10	27.193	27.193	0.000
6+9	27.060	27.060	0.000
6+8	26.927		

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KEY:
— VISIBILITY SPY



PROFILE KEY
— EXISTING LEVELS
— PROPOSED LEVELS
— SIGHT LINE

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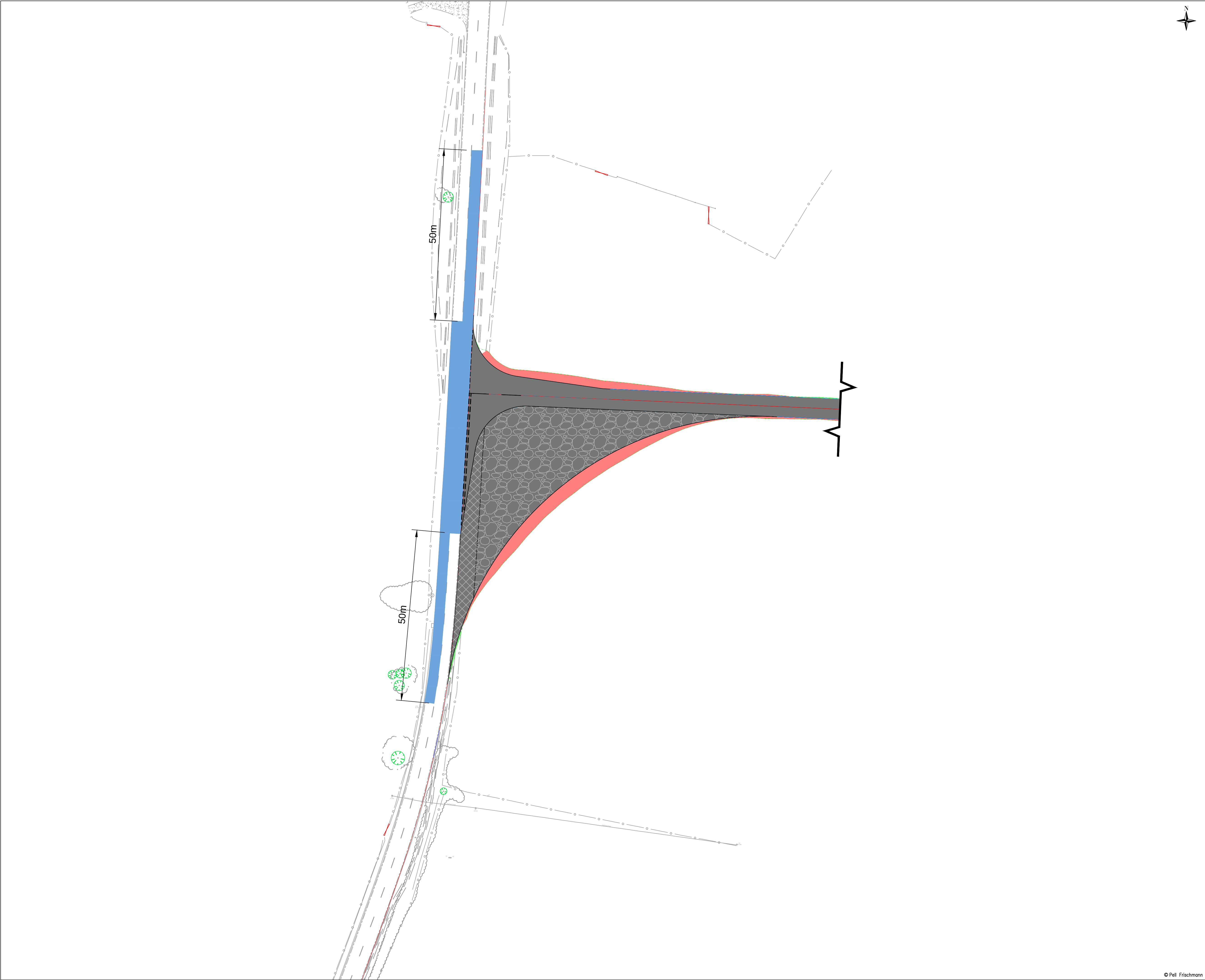
Client
EnergieKontor

Project
Allt Domhain Wind Farm

Drawing Title
**A83 Junction
Visibility
9m Setback**

	Name	Date	Scale
Designed	JS	19.05.2025	1:750 @ A1
Checked	SCM	19.05.2025	File 250519 Allt Domhain Junction Design
			Drawing Status DRAFT

Drawing No.	Revision
10109651_001_7	3



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KEY:

RESURFACE WITH HIGH FRICTION SURFACE COURSE

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93 GEORGE STREET, EDINBURGH, EH2 3ES
Tel: +44 (0)131 240 1270
Email: pfedinburgh@pellfrischmann.com
www.pellfrischmann.com

Client

EnergieKontor

Project

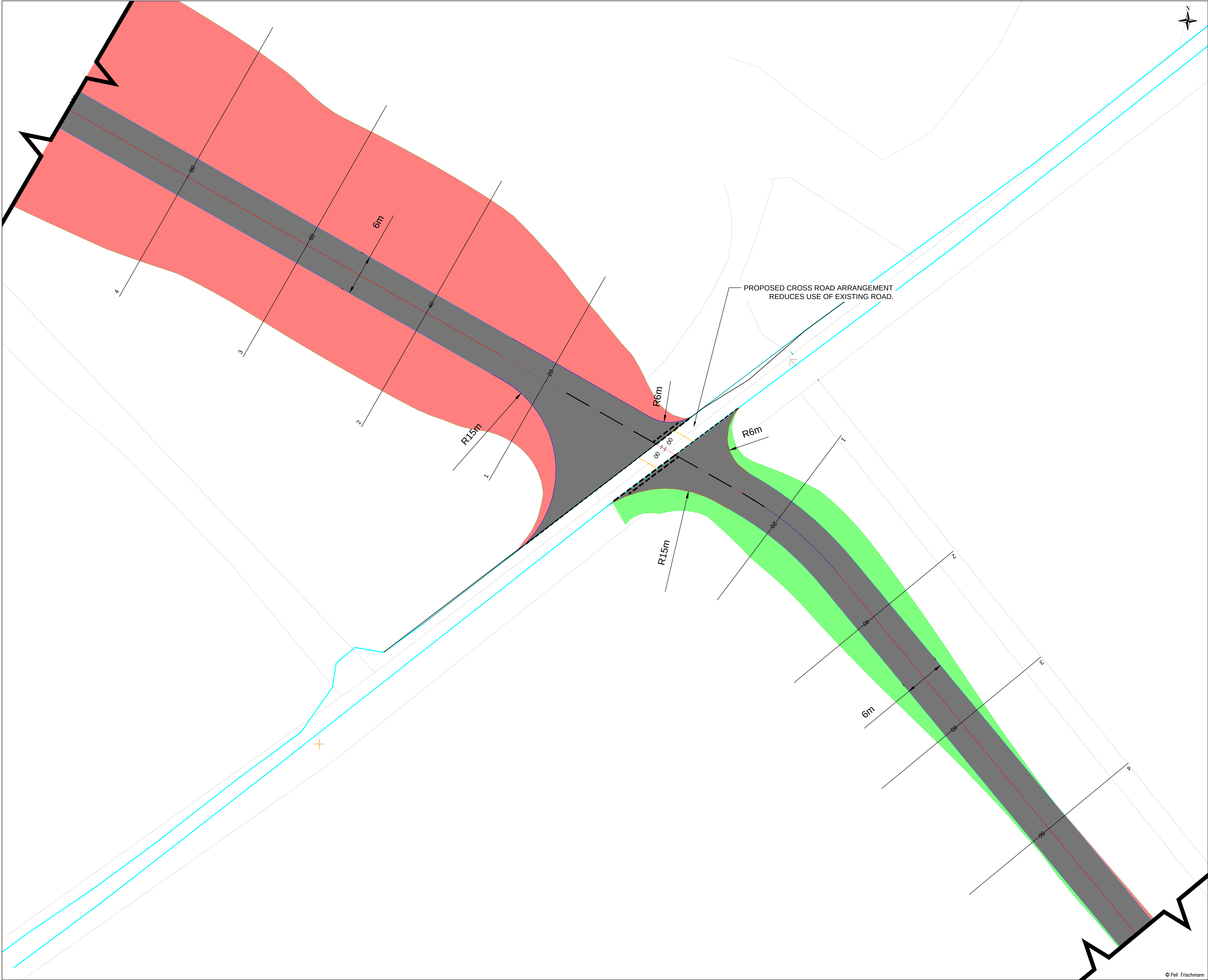
Allt Domhain Wind Farm

Drawing Title

A83 Junction
Resurfacing

	Name	Date	Scale
Designed	JS	19.05.2025	1:500 @ A1
Checked	SCM	19.05.2025	DRAFT

Drawing No. 10109651_001_8 Revision 3



- NOTE:
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KEY:

- PROPOSED JUNCTION AND TRACK
- CUT EARTHWORKS
- FILL EARTHWORKS

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Client

EnergieKontor

Project

Allt Domhain Wind Farm

Drawing Title

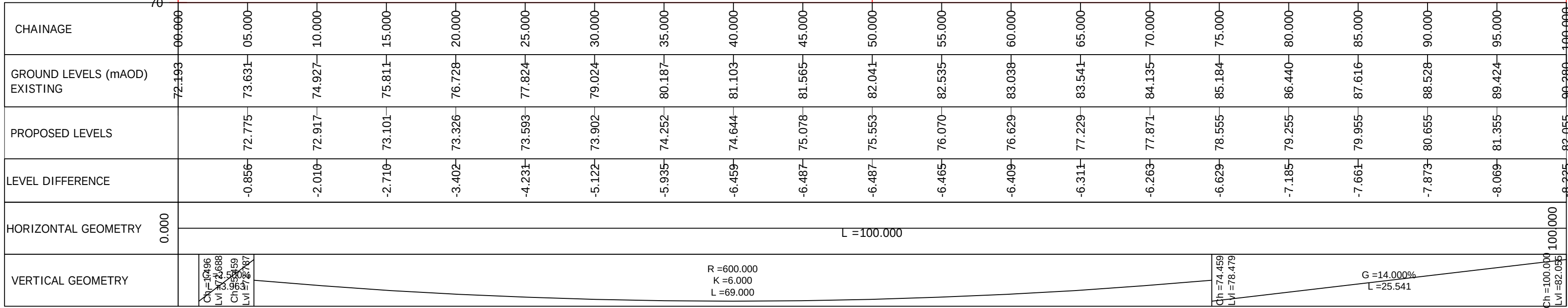
Junction Cross Road
(Southwest of Arnicle)
General Arrangement

	Name	Date	Scale
Designed	JS	19.05.2025	1:250 @ A1
Checked	SCM	19.05.2025	DRAFT

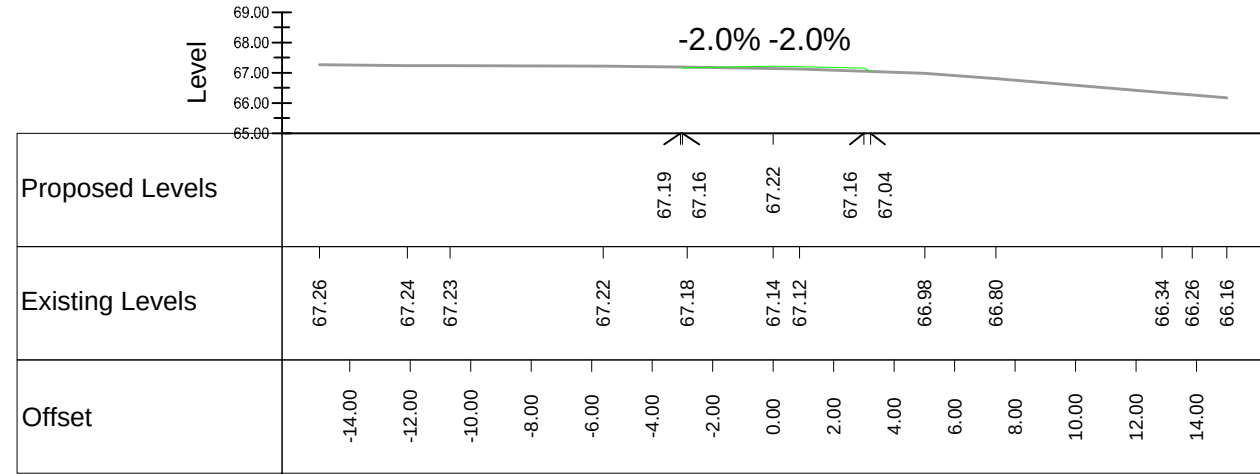
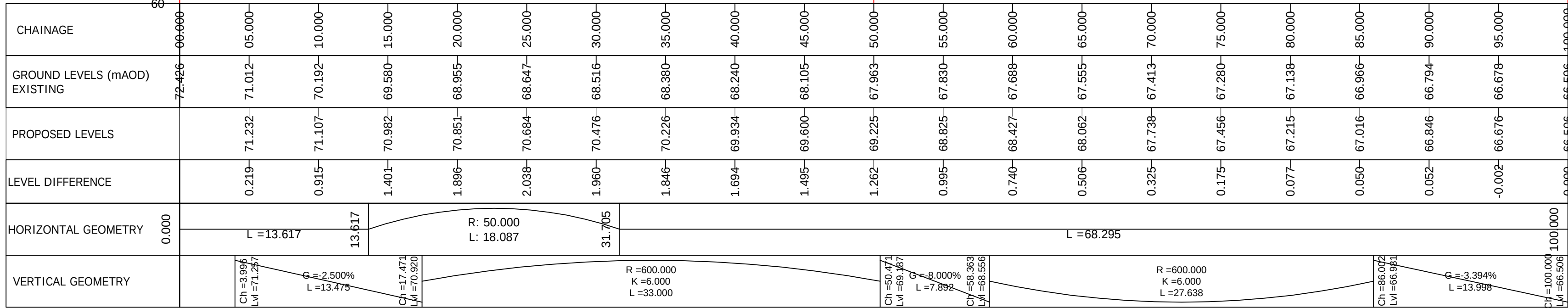
Drawing No. 10109651_002_1

Revision 3

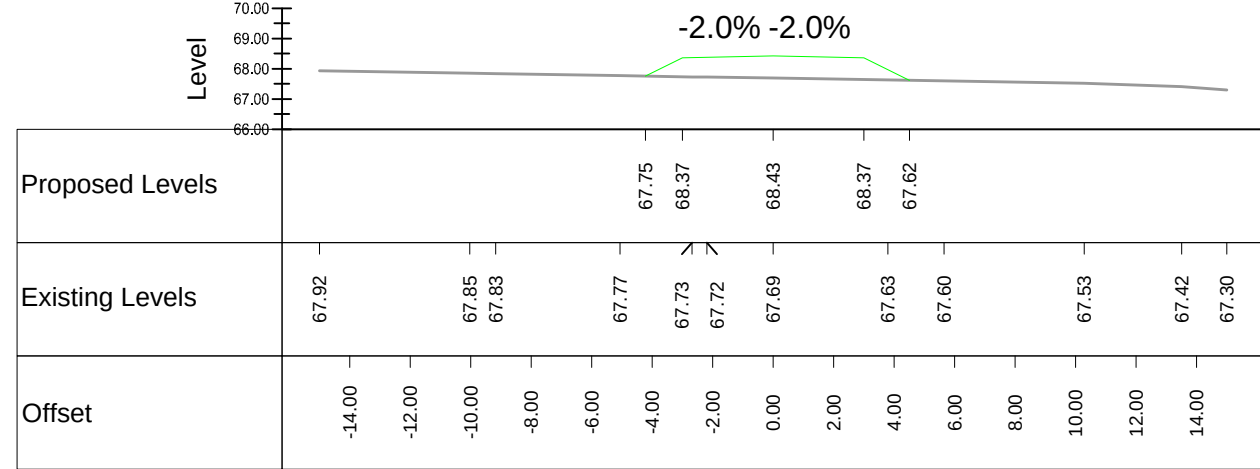
1 - Northern Junction Centreline
DATUM: 70.00



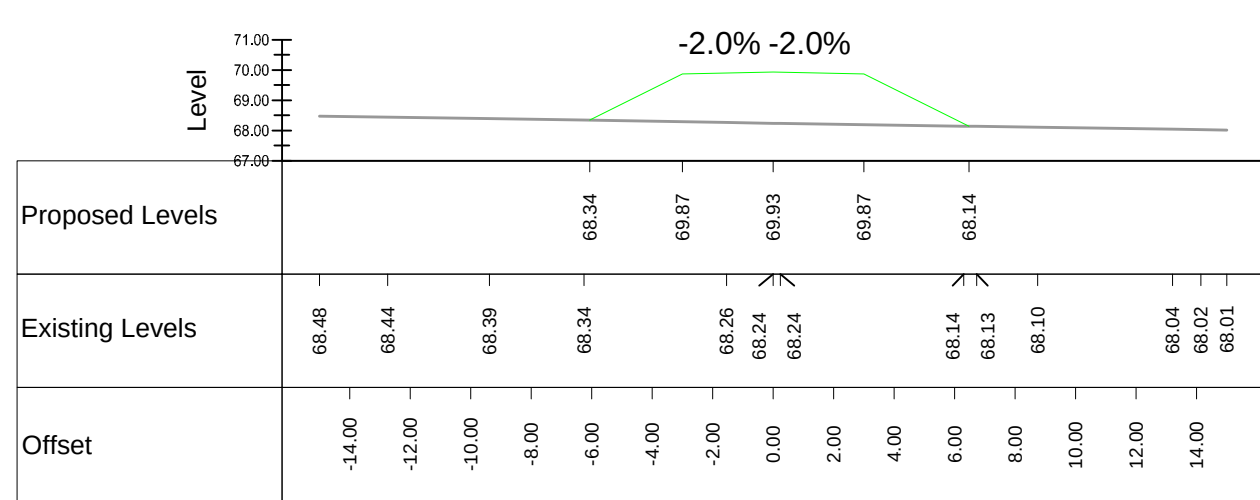
1 - Southern Junction Centreline Option 1
DATUM: 60.00



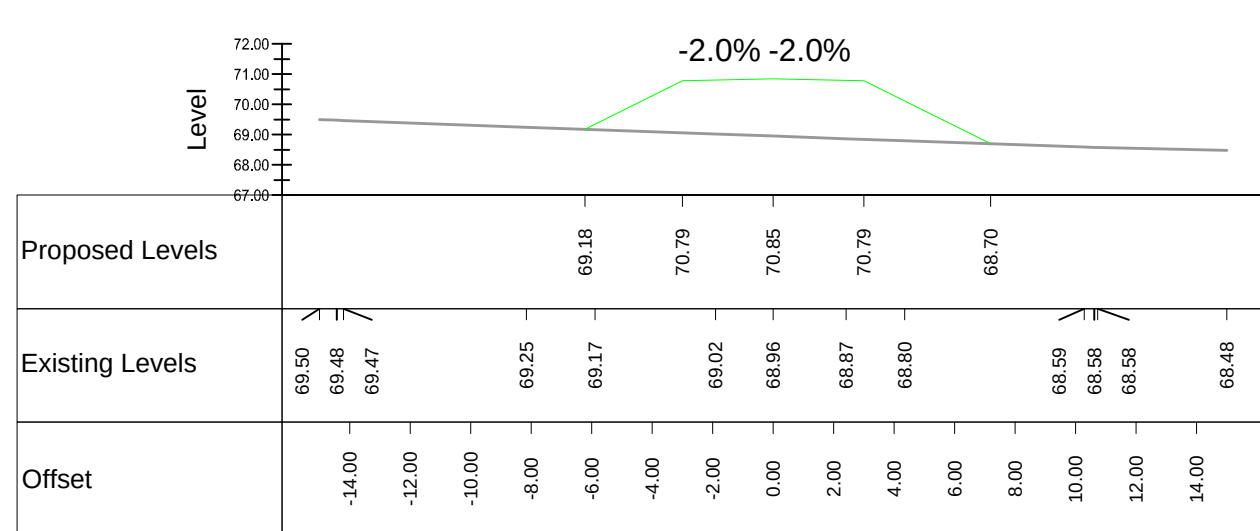
1 - Southern Junction Centreline Option 1
Section 4



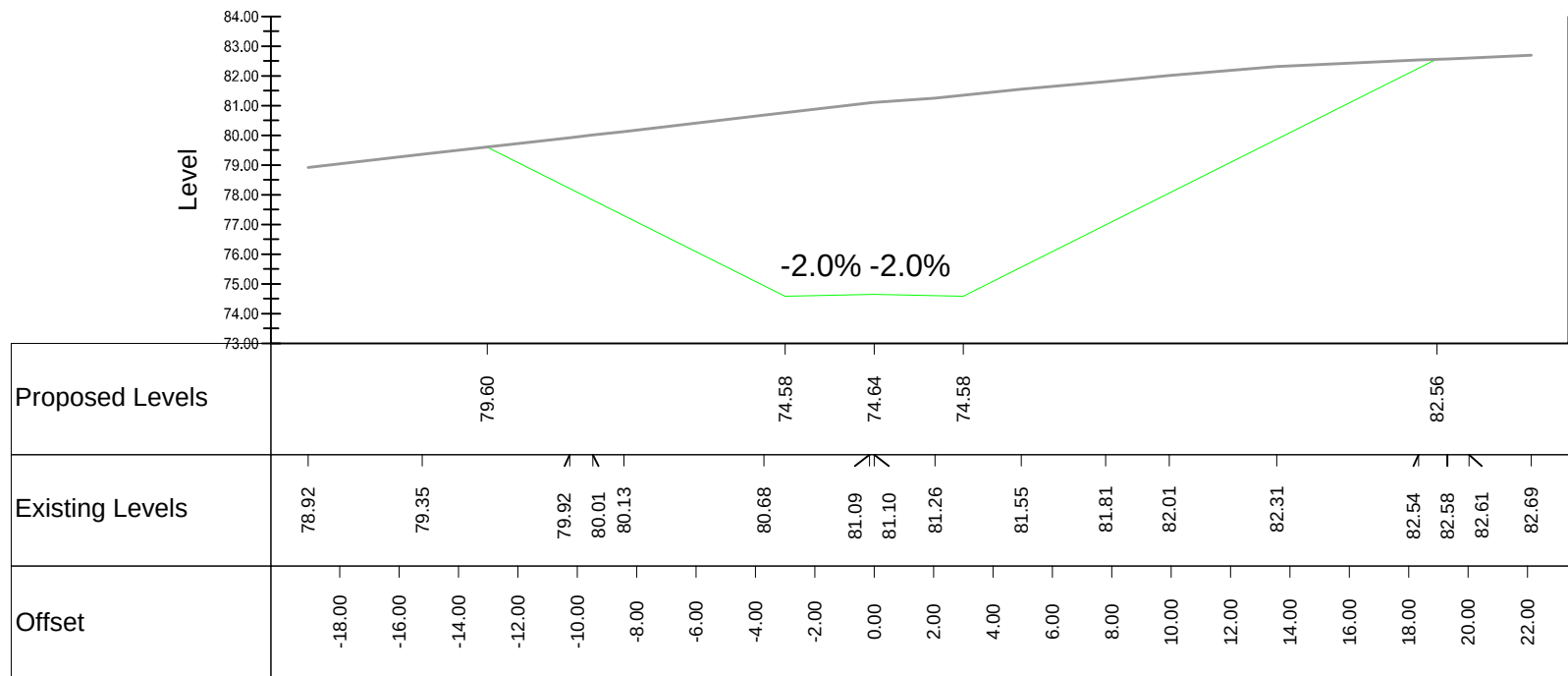
1 - Southern Junction Centreline Option 1
Section 3



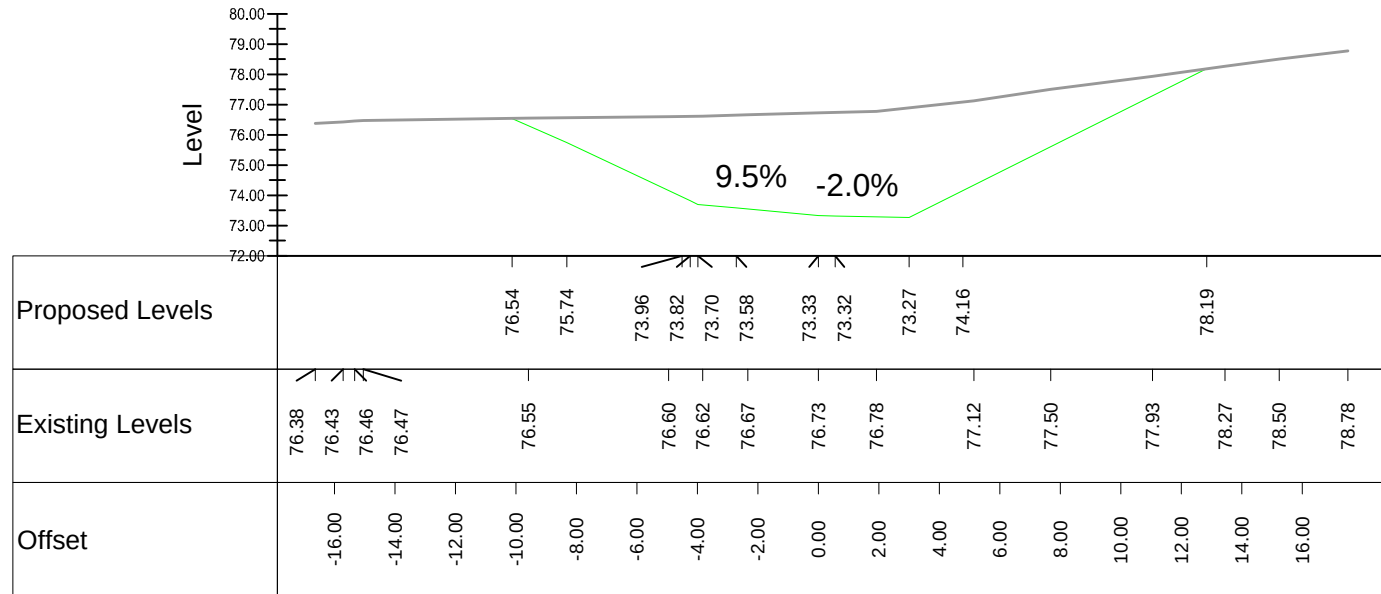
1 - Southern Junction Centreline Option 1
Section 2



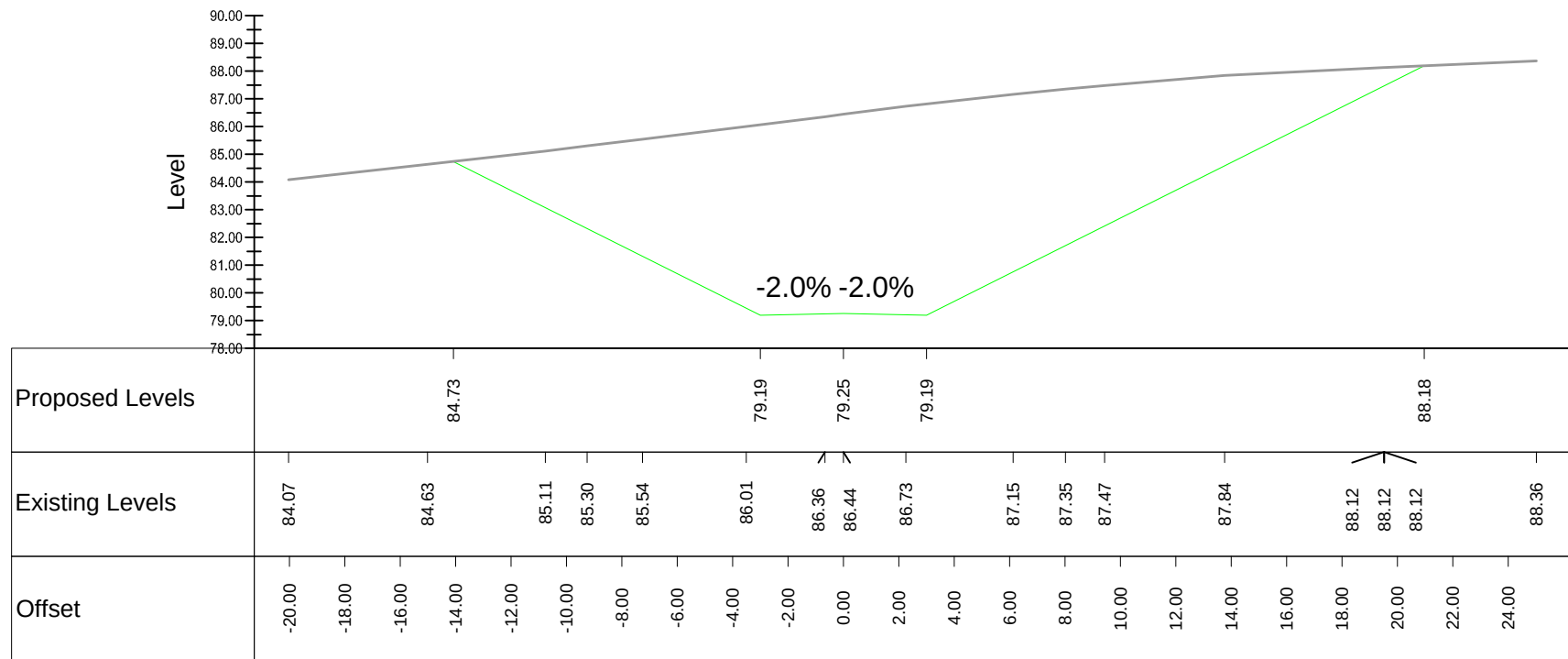
1 - Southern Junction Centreline Option 1
Section 1



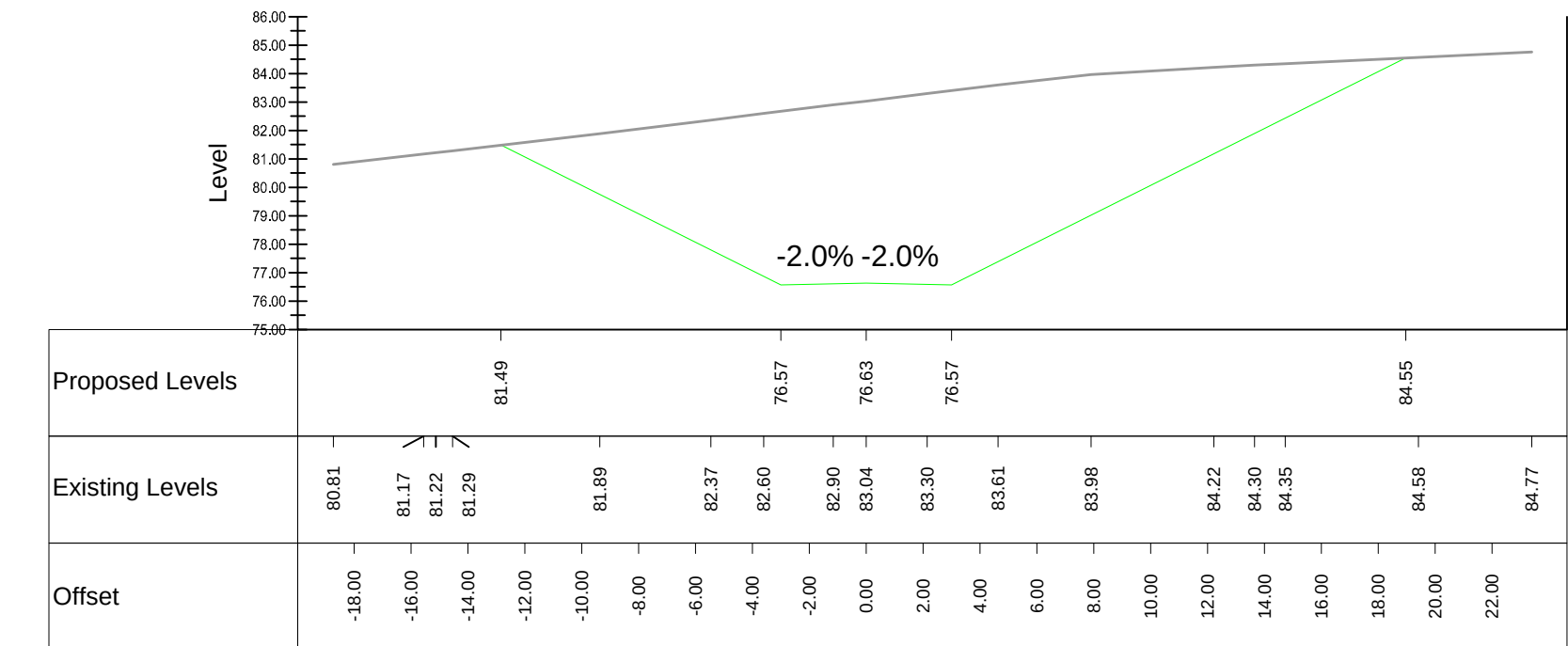
1 - Northern Junction Centreline
Section 2



1 - Northern Junction Centreline
Section 1



1 - Northern Junction Centreline
Section 4



1 - Northern Junction Centreline
Section 3

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 - ALL WORKS BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
 - ALL WORKS ARE TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENT OF THE STATUTORY AUTHORITIES AND CONSTRUCTION DESIGN MANAGEMENT REGULATIONS.

KEY:

— EXISTING LEVELS

— PROPOSED LEVELS

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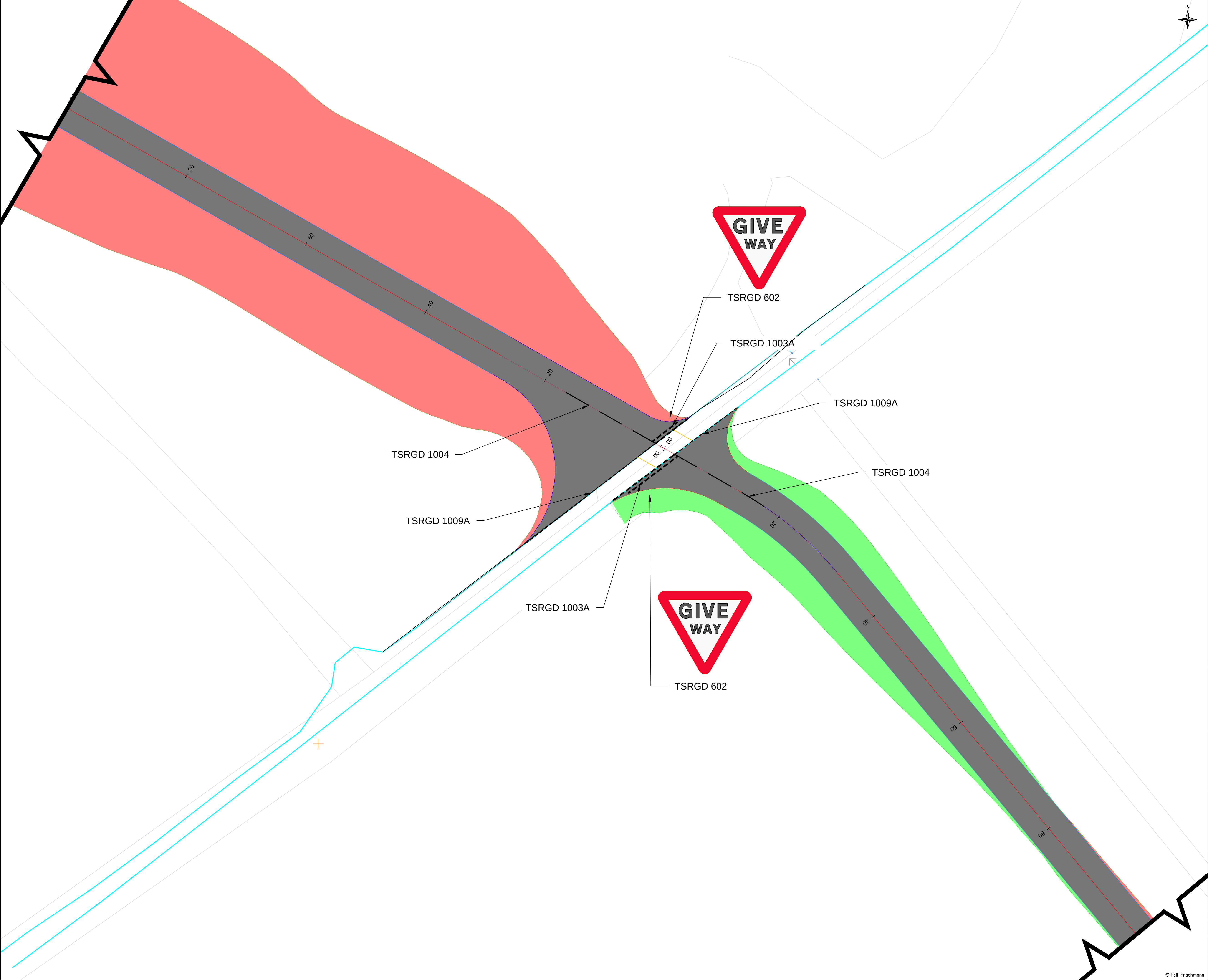
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Allt Domhain Wind Farm

Junction Cross Road
(Southwest of Arnicle)
Section Views

	Name	Date	Scale	1:250	A1
Designed	JS	19.05.2025	File	250519 Allt Domhain Junction Design	
Checked	SCM	19.05.2025	Drawing Status	DRAFT	
Drawing No.	10109651_002_2				Revision
					3



- NOTE:
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 2. ALL WORKS TO BE EXECUTED IN ACCORDANCE WITH THE DMRB, THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, DESIGN MANUAL FOR ROADS AND BRIDGES, AND TRAFFIC SIGNS MANUAL.
 3. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE. ALL LEVELS ARE IN METRES AND RELATE TO ORDNANCE DATUM.
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 5. ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.
 6. ALL WORKS BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
 7. ALL WORKS ARE TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENT OF THE STATUTORY AUTHORITIES AND CONSTRUCTION DESIGN MANAGEMENT REGULATIONS.

KEY:

- PROPOSED JUNCTION AND TRACK
- CUT EARTHWORKS
- FILL EARTHWORKS

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Client

EnergieKontor

Project

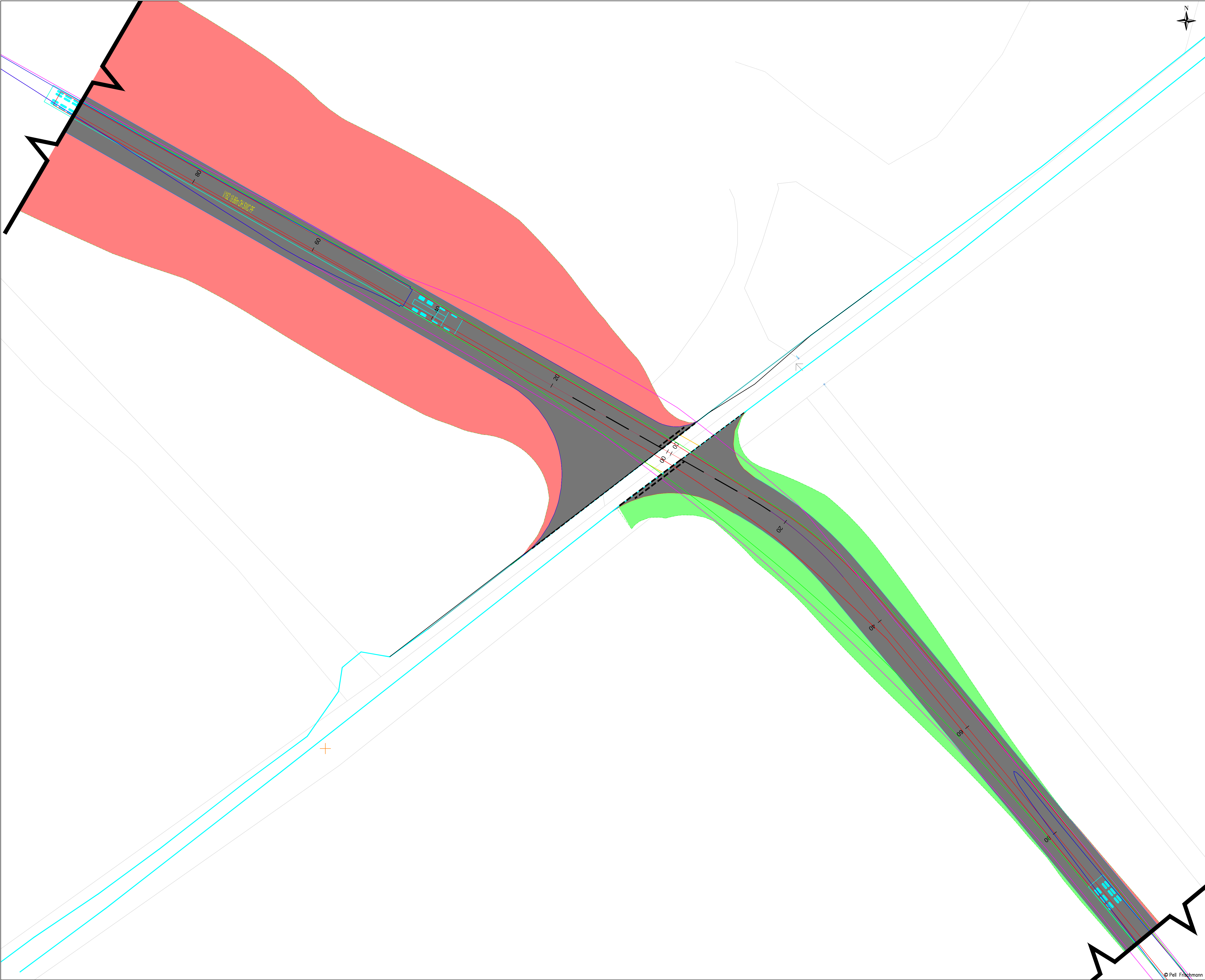
Allt Domhain Wind Farm

Drawing Title

**Junction Cross Road
(Southwest of Arnicle)
Signing and Lining**

	Name	Date	Scale	1:250 @ A1
Designed	JS	19.05.2025	File	250519 Allt Domhain Junction Design
Checked	SCM	19.05.2025	Drawing Status	DRAFT

Drawing No. **10109651_002_3** Revision **3**



- NOTE:
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 7. ALL WORKS ARE TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENT OF THE STATUTORY AUTHORITIES AND CONSTRUCTION DESIGN MANAGEMENT REGULATIONS.

KEY:

- VEHICLE WHEELS
- VEHICLE LOAD
- VEHICLE BODY

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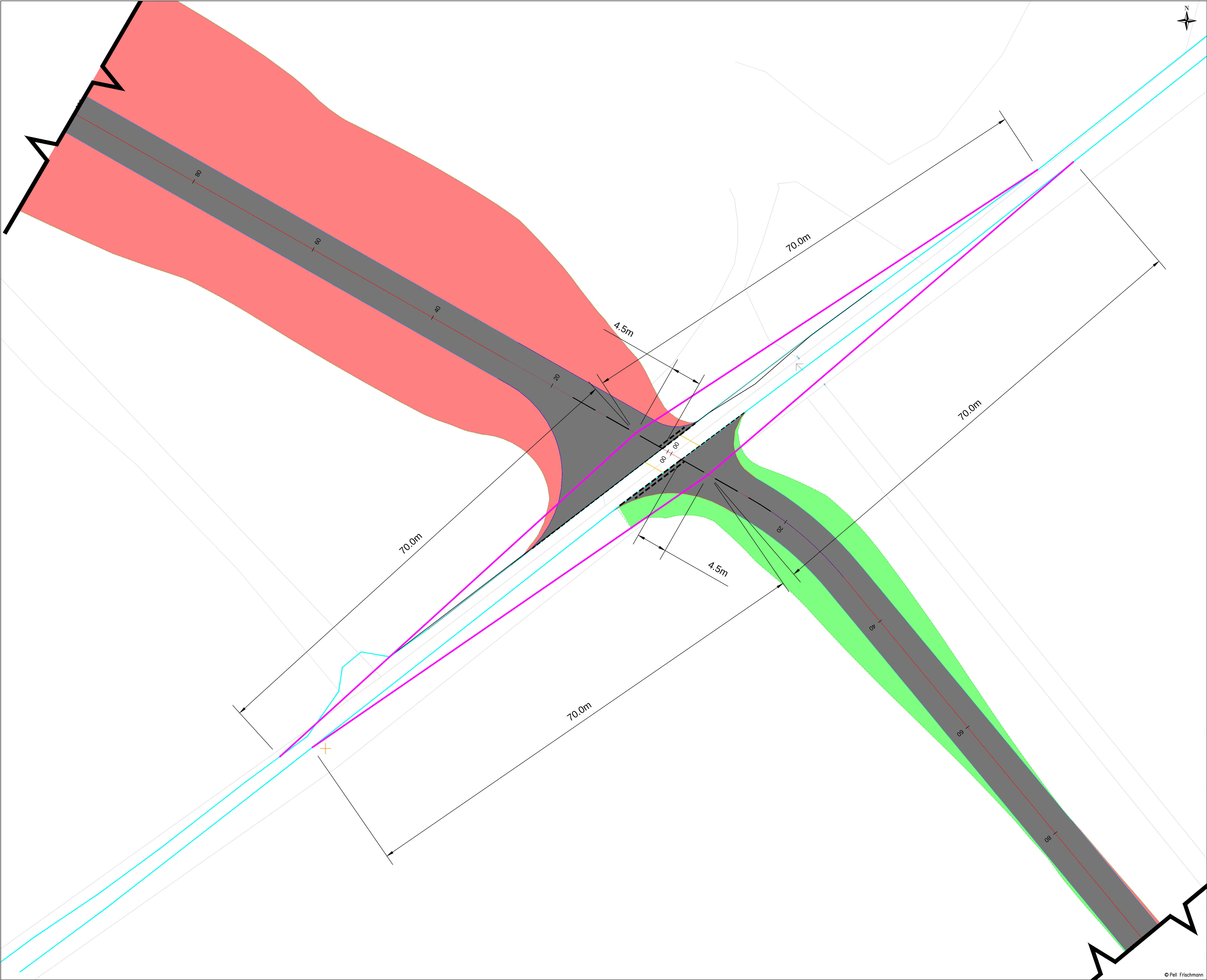
Allt Domhain Wind Farm

Drawing Title

**Junction Cross Road
(Southwest of Arncliffe)
Swept Path Analysis
V162 Blade Superwing Carrier**

	Name	Date	Scale	1:250 @ A1
Designed	JS	19.05.2025	File	250519 Allt Domhain Junction Design
Checked	SCM	19.05.2025	Drawing Status	DRAFT

Drawing No. **10109651_002_4** Revision **3**



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 7. ALL WORKS ARE TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENT OF THE STATUTORY AUTHORITIES AND CONSTRUCTION DESIGN MANAGEMENT REGULATIONS.

KEY:

— VISIBILITY SPY

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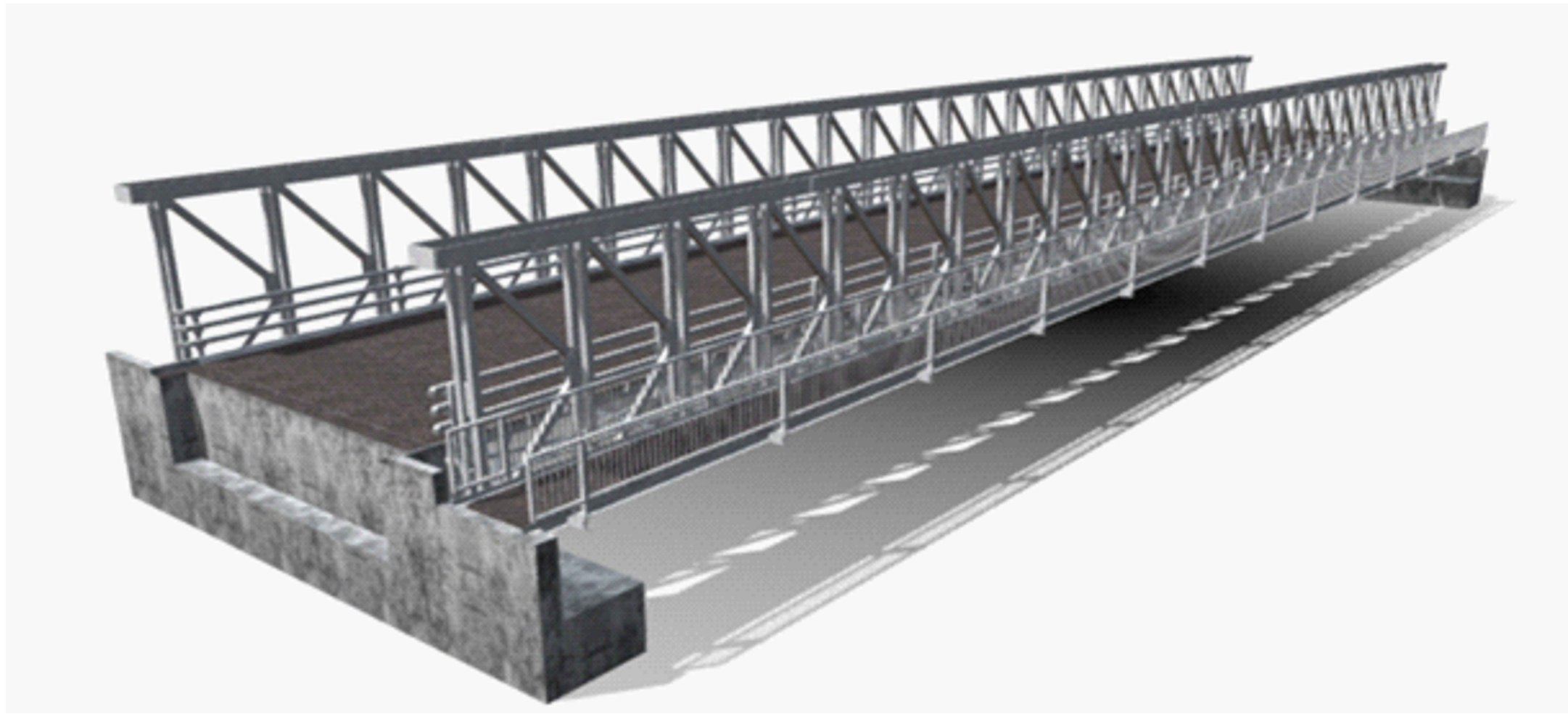
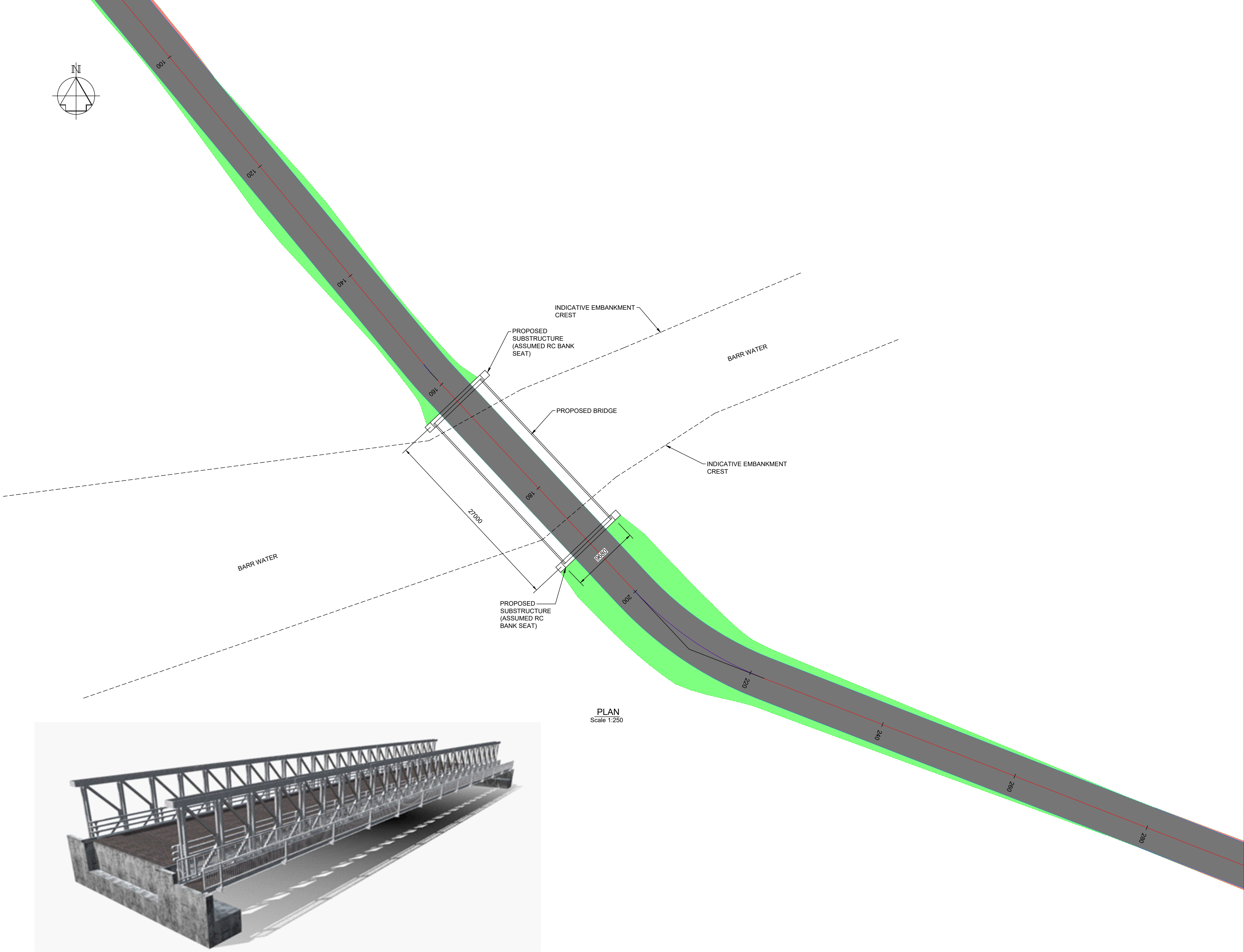
Alt Domhain Wind Farm

Drawing Title

**Junction Cross Road
(Southwest of Arncliffe)
Visibility**

	Name	Date	Scale
Designed	JS	19.05.2025	1:250 @ A1
Checked	SCM	19.05.2025	DRAFT

Drawing No. **10109651_002_5** Revision **3**



INDICATIVE 3D VISUALISATION
Scale NTS

PLAN
Scale 1:250

- NOTES
- DO NOT SCALE THIS DRAWING.
 - ANY DIMENSIONAL DISCREPANCIES SHOULD BE NOTIFIED TO THE ENGINEER IMMEDIATELY.
 - ALL DIMENSIONS ARE IN MILLIMETRES - (mm)
ALL LEVELS ARE IN METRES - (m) AND ARE ABOVE ORDNANCE DATUM AT NEWLYN, CORNWALL UNLESS NOTED OTHERWISE.
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 - THE BRIDGE SPAN SHOWN IS INDICATIVE AND HAS BEEN ASSUMED FOR PLANNING AND CONCEPTUAL DESIGN PURPOSES ONLY. FINAL SPAN LENGTH WILL BE SUBJECT TO DETAILED DESIGN AND STAKEHOLDER CONSULTATION.
 - THE CURRENT DESIGN ASSUMES BANK SEAT FOUNDATIONS AT BOTH ABUTMENTS. THIS IS A PRELIMINARY ASSUMPTION AND IS SUBJECT TO CHANGE PENDING GEOTECHNICAL INVESTIGATION AND FURTHER ANALYSIS DURING DETAILED DESIGN STAGES.
 - NO GROUND INVESTIGATION DATA HAS BEEN USED IN THIS FEASIBILITY ASSESSMENT. A FULL GI WILL BE REQUIRED TO CONFIRM GROUND CONDITIONS, BEARING CAPACITY, AND SUITABILITY OF THE PROPOSED FOUNDATION SOLUTION.
 - THE BRIDGE LAYOUT AND PROPOSED SPAN ARE SUBJECT TO AGREEMENT WITH THE SCOTTISH ENVIRONMENT PROTECTION AGENCY (SEPA), FLOOD RISK MAPPING, HYDRAULIC MODELLING, AND SPAN VERIFICATION MUST BE UNDERTAKEN AND AGREED WITH SEPA DURING FUTURE DESIGN PHASES.
 - THIS DRAWING HAS BEEN PREPARED FOR FEASIBILITY AND PLANNING PURPOSES ONLY. IT MUST NOT BE USED FOR CONSTRUCTION OR DETAILED DESIGN WITHOUT FURTHER DEVELOPMENT AND VERIFICATION.

- KEY:
- PROPOSED JUNCTION AND TRACK
 - CUT EARTHWORKS
 - FILL EARTHWORKS

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Client
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Project
Allt Domhain Wind Farm

Drawing Title
**Barr Water Crossing
(Southwest of Arncliffe)
General Arrangement**

	Name	Date	Scale
Designed	MC	12.05.2025	1:250 @ A1
Checked	SH	12.05.2025	250512 Allt Domhain Barr Water Bridge
Drawing No.		Drawing Status	
10109651_002_6		DRAFT	

Revision	
1	

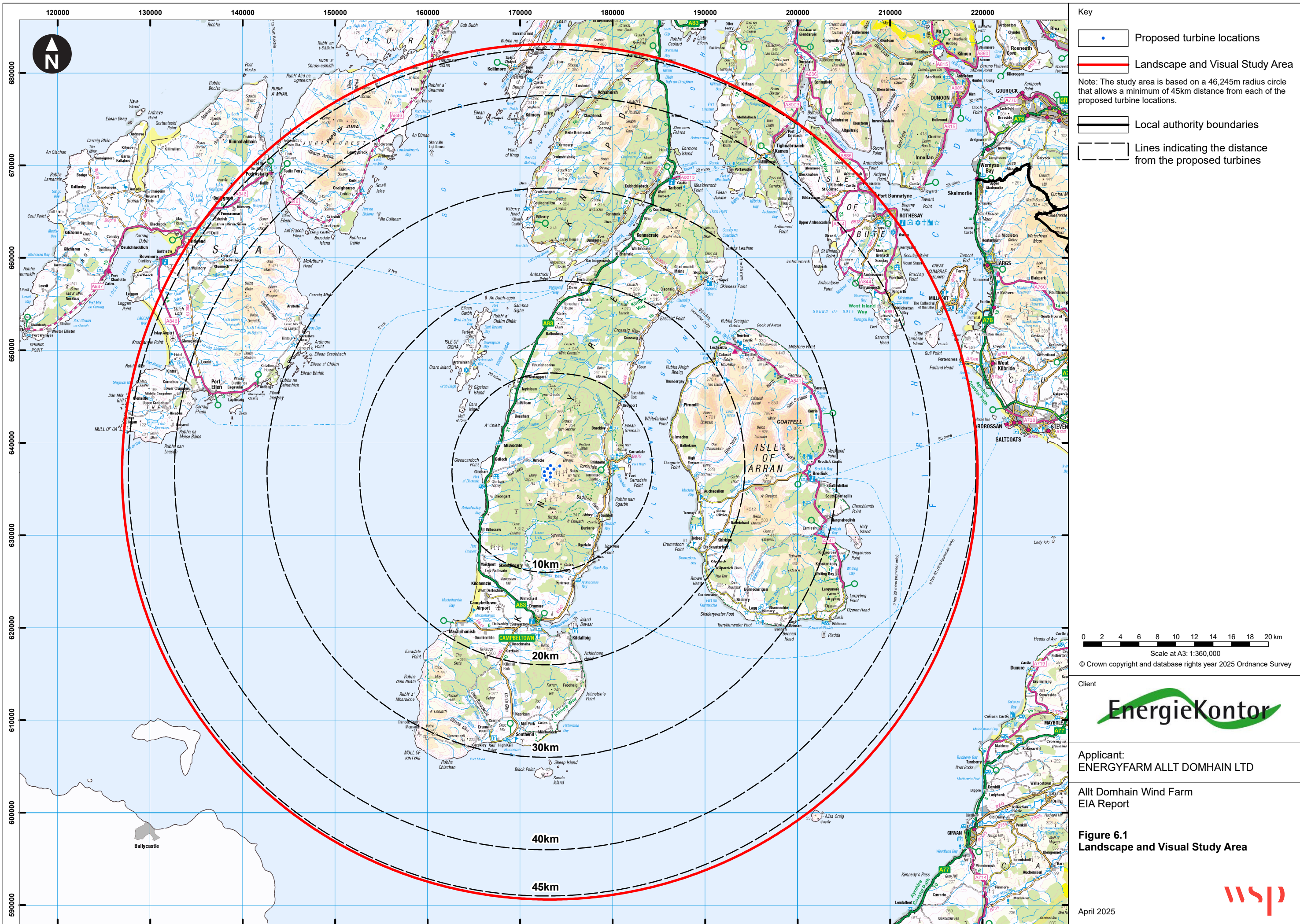


Figure 6.1 Study Area UK0037663.3707-WSPE-FG-SA-00009_R3

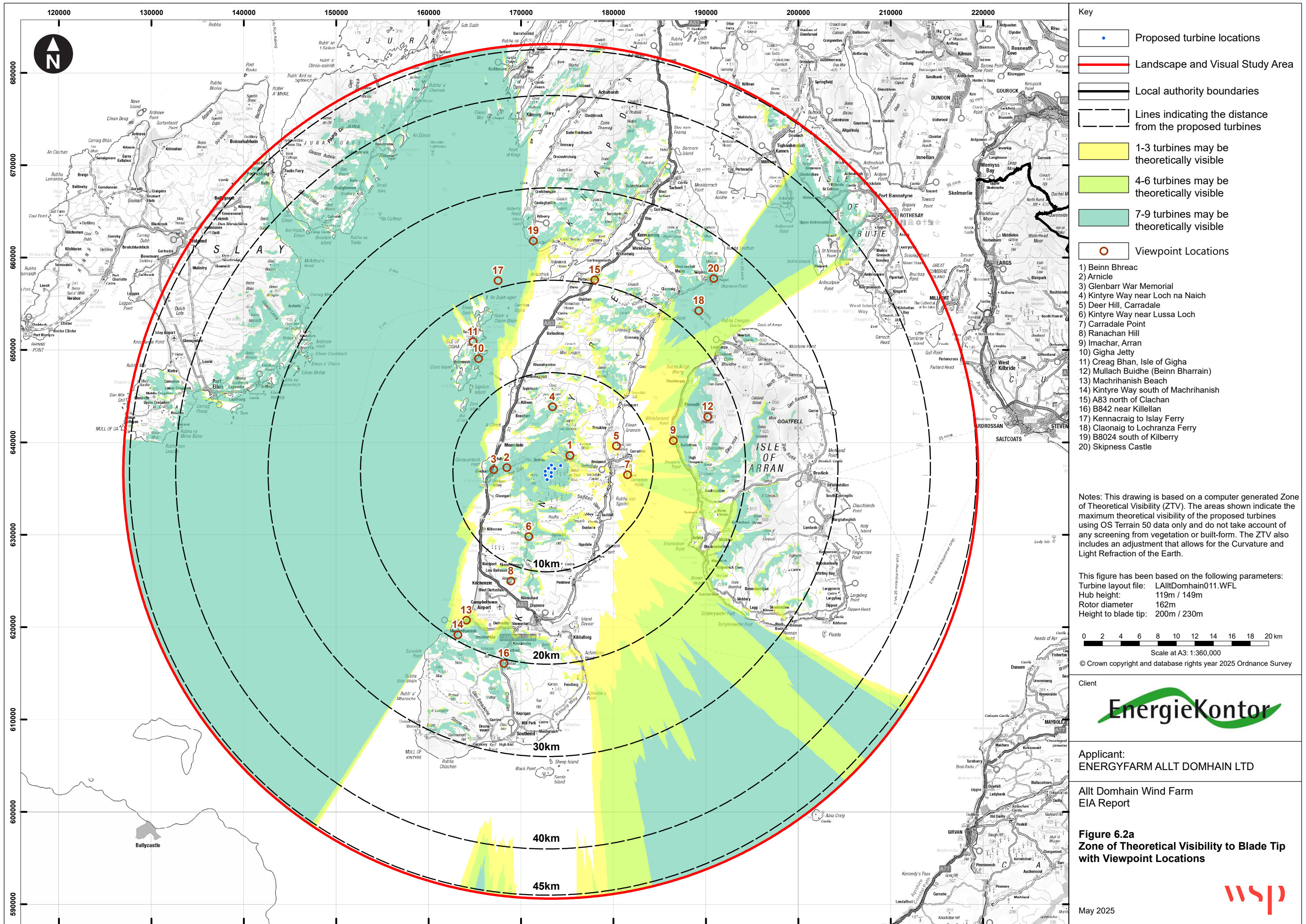
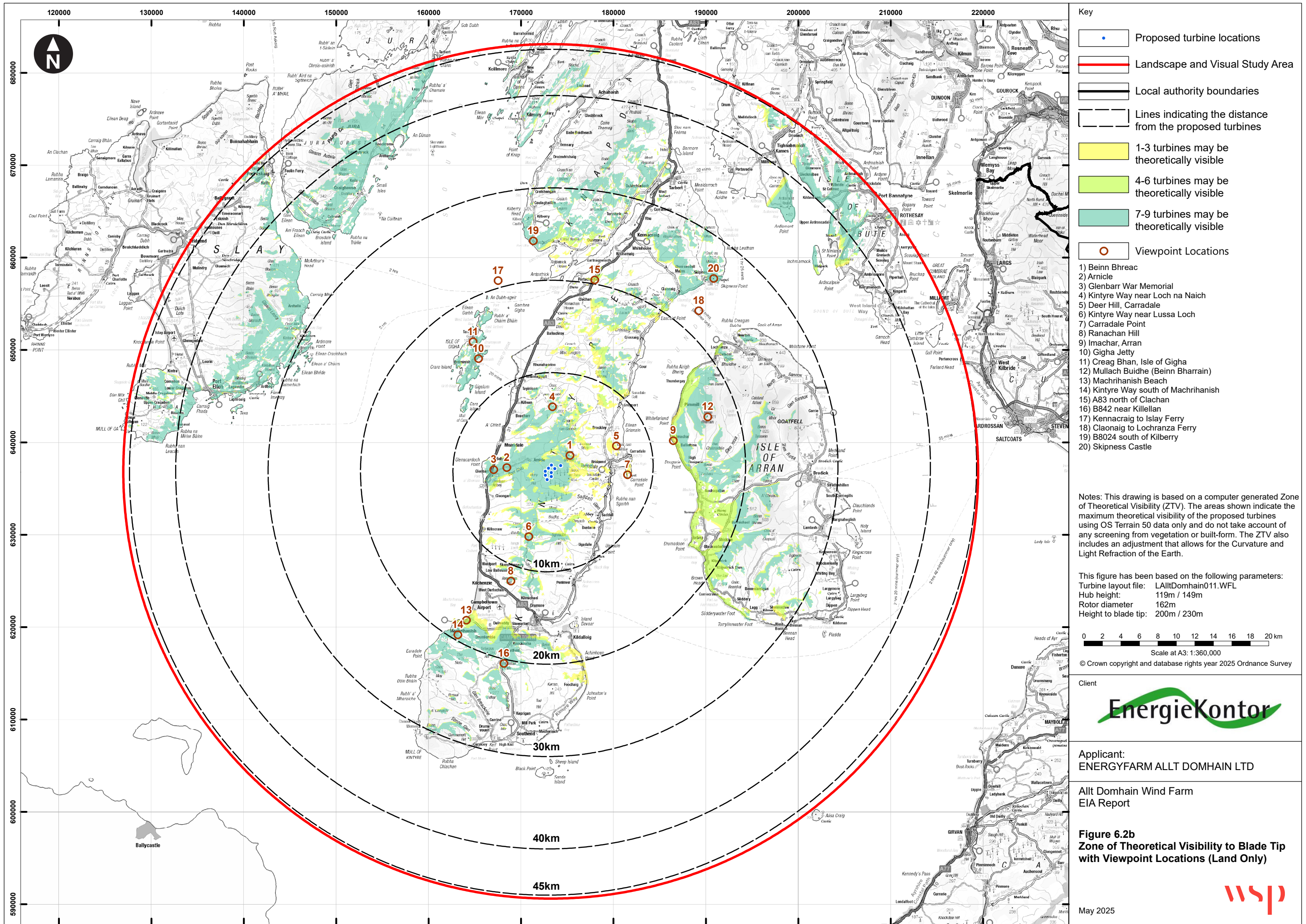


Figure 6.2a BT ZTV UK0037663.3707-WSPE-FG-SA-00010_R4



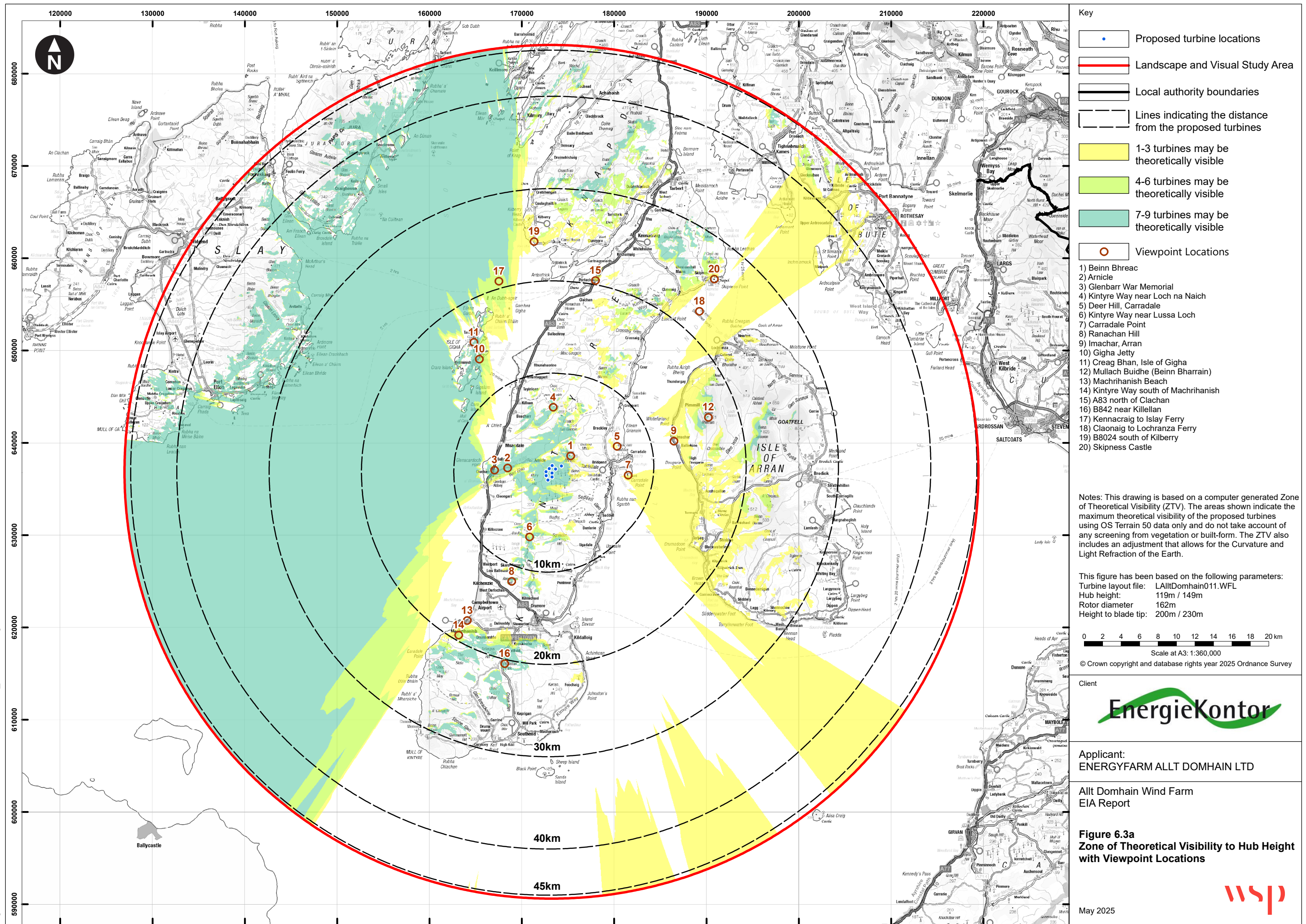


Figure 6.3a HH ZTV UK0037663.3707-WSPE-FG-SA-00012_R4

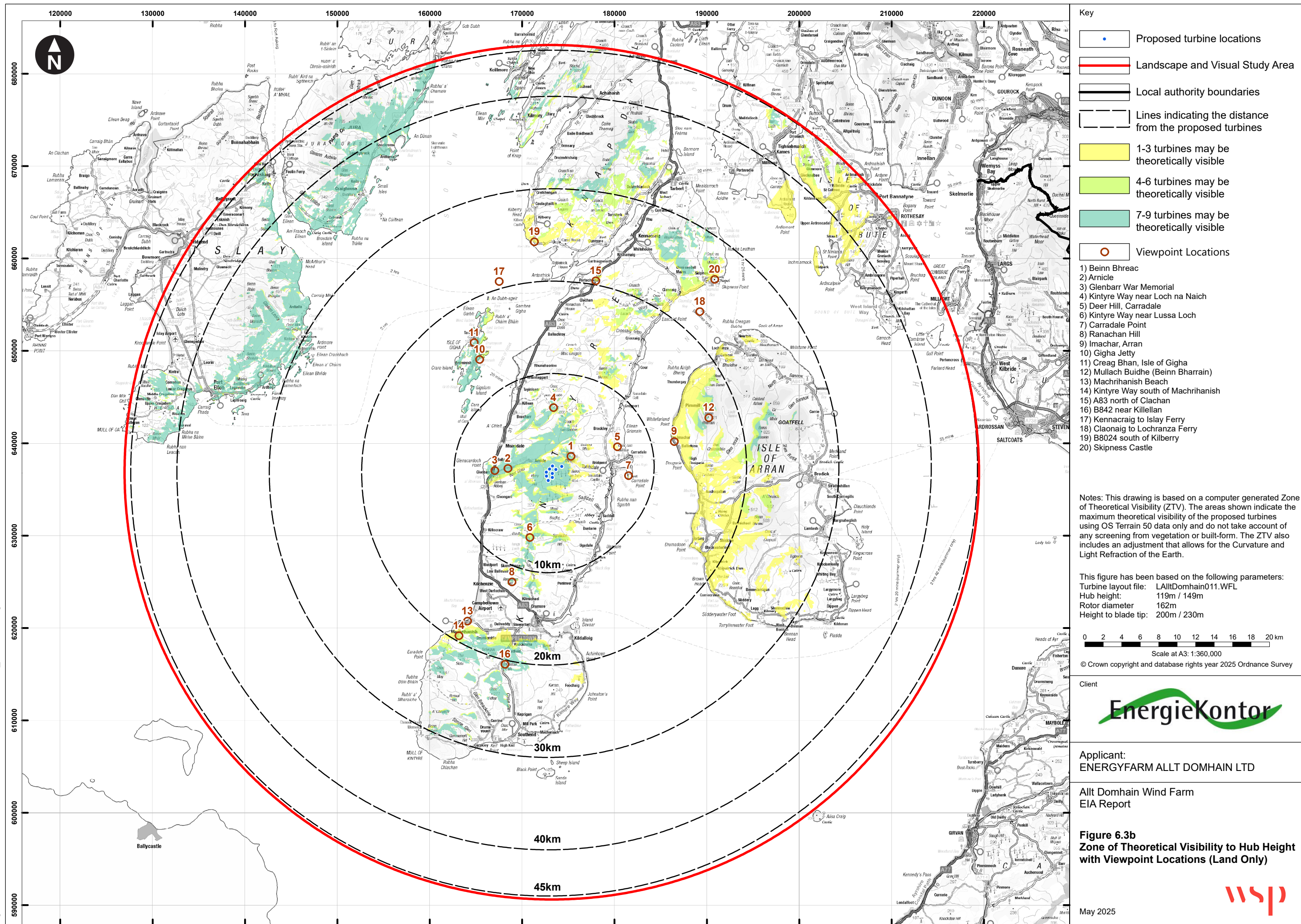


Figure 6.3b HH ZTV Land UK0037663.3707-WSPE-FG-SA-00013_R4

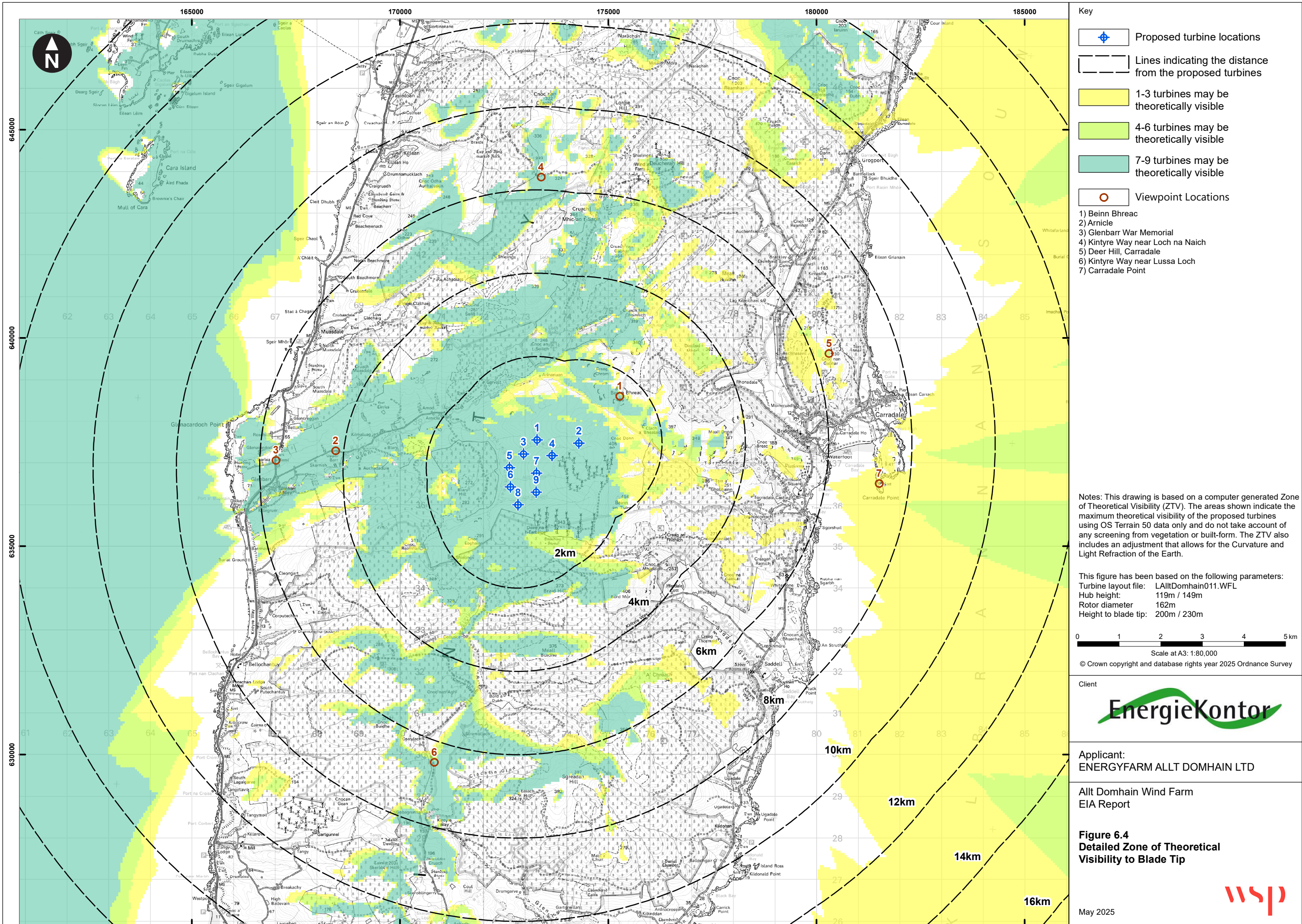
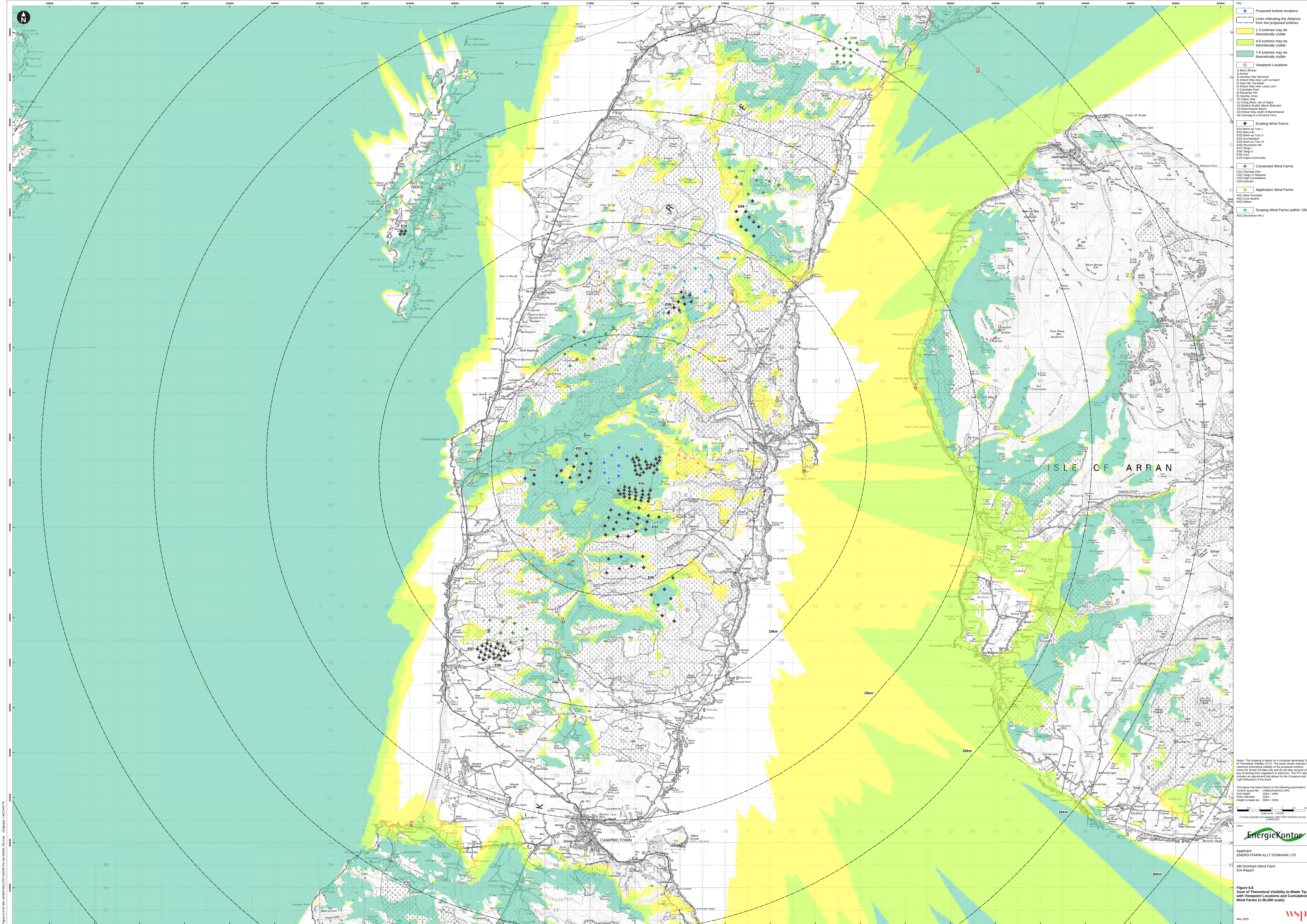


Figure 6.4 ZTV Detail UK0037663.3707-WSPE-FG-SA-00014_R3



Key

- Proposed turbine locations
- Lines indicating the distance from the proposed turbines
- 1-3 turbines may be theoretically visible
- 4-6 turbines may be theoretically visible
- 7-9 turbines may be theoretically visible
- Viewpoint Locations
- Existing Wind Farms
- Consented Wind Farms
- Application Wind Farms
- Scoping Wind Farms (within 10km)

Viewpoint Locations

- 1 Ballymore
- 2 Ardsay
- 3 Glenelg War Memorial
- 4 Killybegs Way near Loch na Hach
- 5 Glenelg Hill, Carradale
- 6 Killybegs Way near Linn Loch
- 7 Carradale Point
- 8 Rannoch Hill
- 9 MacRae Arms
- 10 Gigha Jetty
- 11 Crook Point, Isle of Gigha
- 12 Mullach Buidhe (Binn Bharran)
- 13 MacRae's Beach
- 14 Killybegs Way south of MacRae's
- 15 Campbeltown Loch

Existing Wind Farms

- E01 Binn an Tuic I
- E02 Binn an Tuic II
- E03 Binn an Tuic III
- E04 Binn an Tuic IV
- E05 Binn an Tuic V
- E06 Binn an Tuic VI
- E07 Binn an Tuic VII
- E08 Binn an Tuic VIII
- E09 Binn an Tuic IX
- E10 Binn an Tuic X

Consented Wind Farms

- C01 Clachan Glen
- C02 Clachan Glen
- C03 Clachan Glen
- C04 Clachan Glen

Application Wind Farms

- A01 Wind Turbine
- A02 Wind Turbine
- A03 Wind Turbine
- A04 Wind Turbine
- A05 Wind Turbine
- A06 Wind Turbine
- A07 Wind Turbine
- A08 Wind Turbine
- A09 Wind Turbine
- A10 Wind Turbine

Scoping Wind Farms (within 10km)

- S01 Wind Turbine
- S02 Wind Turbine
- S03 Wind Turbine
- S04 Wind Turbine
- S05 Wind Turbine
- S06 Wind Turbine
- S07 Wind Turbine
- S08 Wind Turbine
- S09 Wind Turbine
- S10 Wind Turbine

Notes: This drawing is based on a computer generated Zone of Theoretical Visibility (ZTV). The areas shown indicate the maximum theoretical visibility of the proposed turbines, using CS Terrain Data only and do not take account of any screening from vegetation or built form. The ZTV also includes an adjustment for the curvature and light refraction of the Earth.

This figure has been based on the following parameters:

- Turbine type: 150m / 3.6m
- Hub height: 110m / 3.6m
- Rotor diameter: 100m
- Height to blade tip: 200m / 2.0m

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Figure 6.6
Zone of Theoretical Visibility to Blade Tip with Viewpoint Locations and Cumulative Wind Farms (1:50,000 scale)

May 2025

EnergyKontor

Applicant:
ENERGYFARM ALLT DOMHAIN LTD

Alt Domhain Wind Farm
EIA Report

wsp