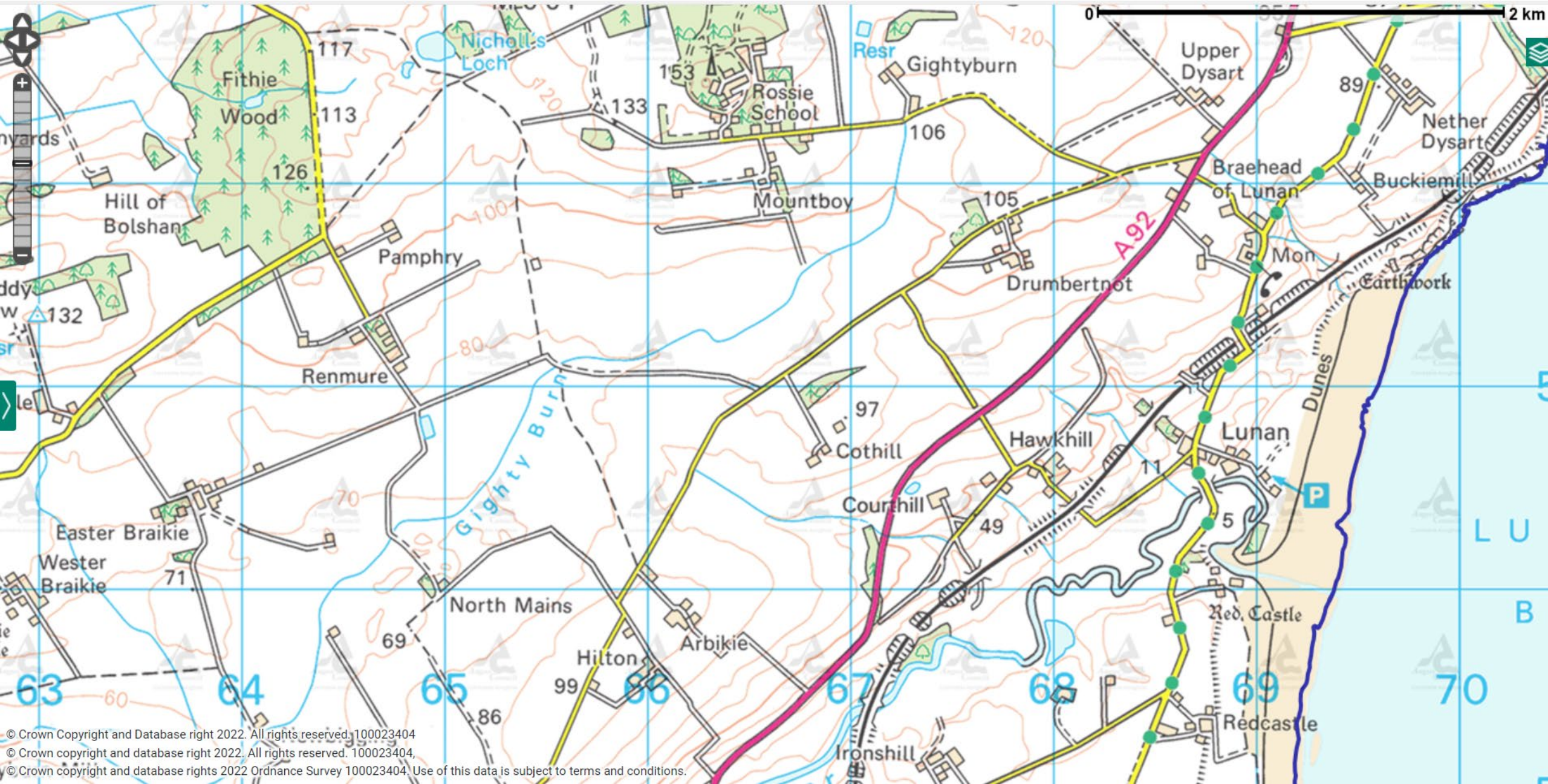


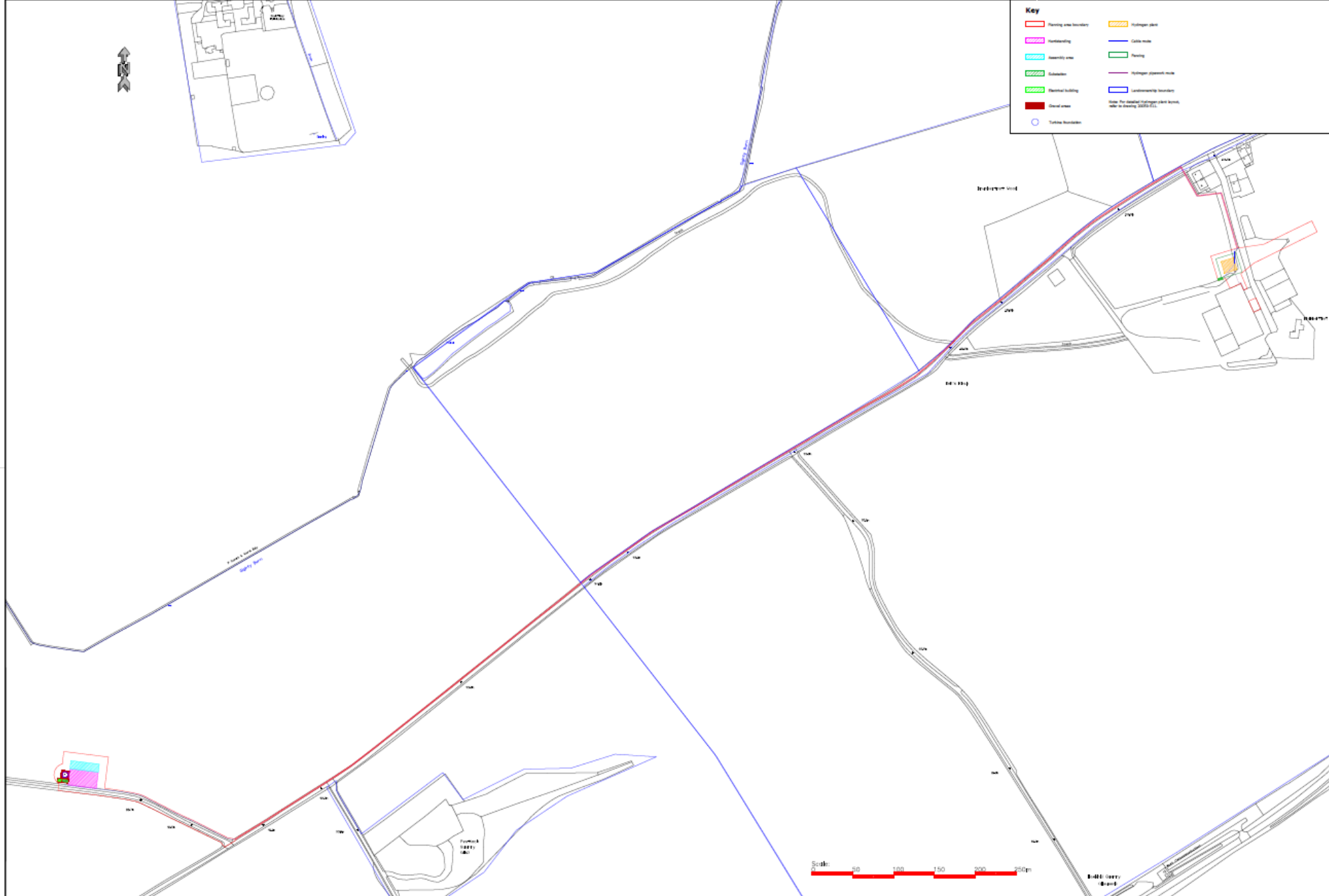
Item 8

Planning application: 21/01002/FULL

Arbikie Distillery, Drumbertnot, Montrose



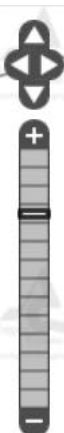
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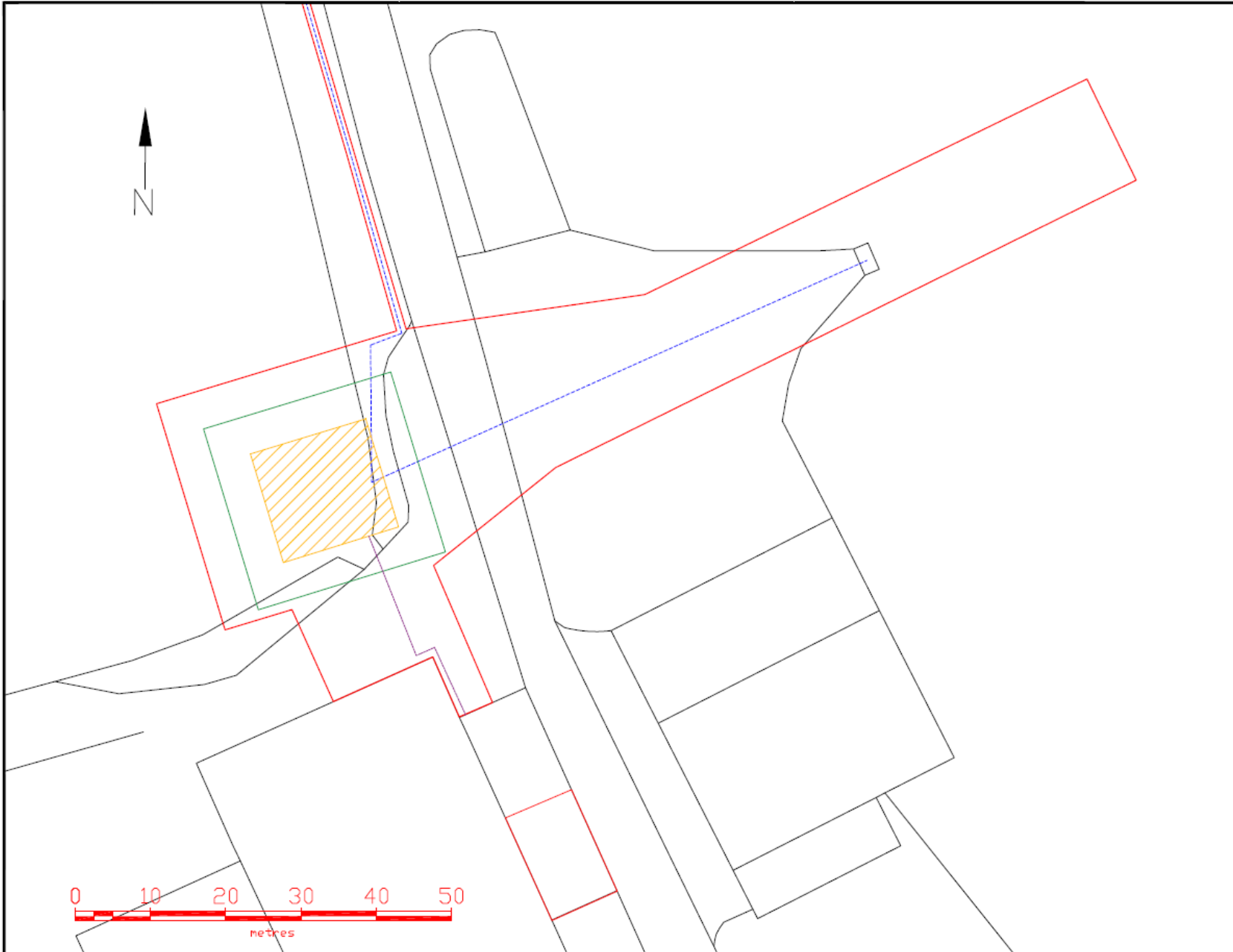
Key

- Planning area boundary
- Landmarking
- Assembly area
- Substation
- Electrical building
- Street lighting
- Hydrogen plant
- Cable route
- Paving
- Hydrogen plant area
- Landmarking boundary
- Turbine foundation

Note: The detailed Hydrogen plant layout will be shown in 2024/25.



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- KEY**
- Planning area boundary
 - Hydrogen Plant
 - Cable route
 - Fencing
 - Hydrogen pipework route
 - Landownership boundary

Note: For detailed Hydrogen plant layout, refer to drawing 20059-S11.

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NOTES

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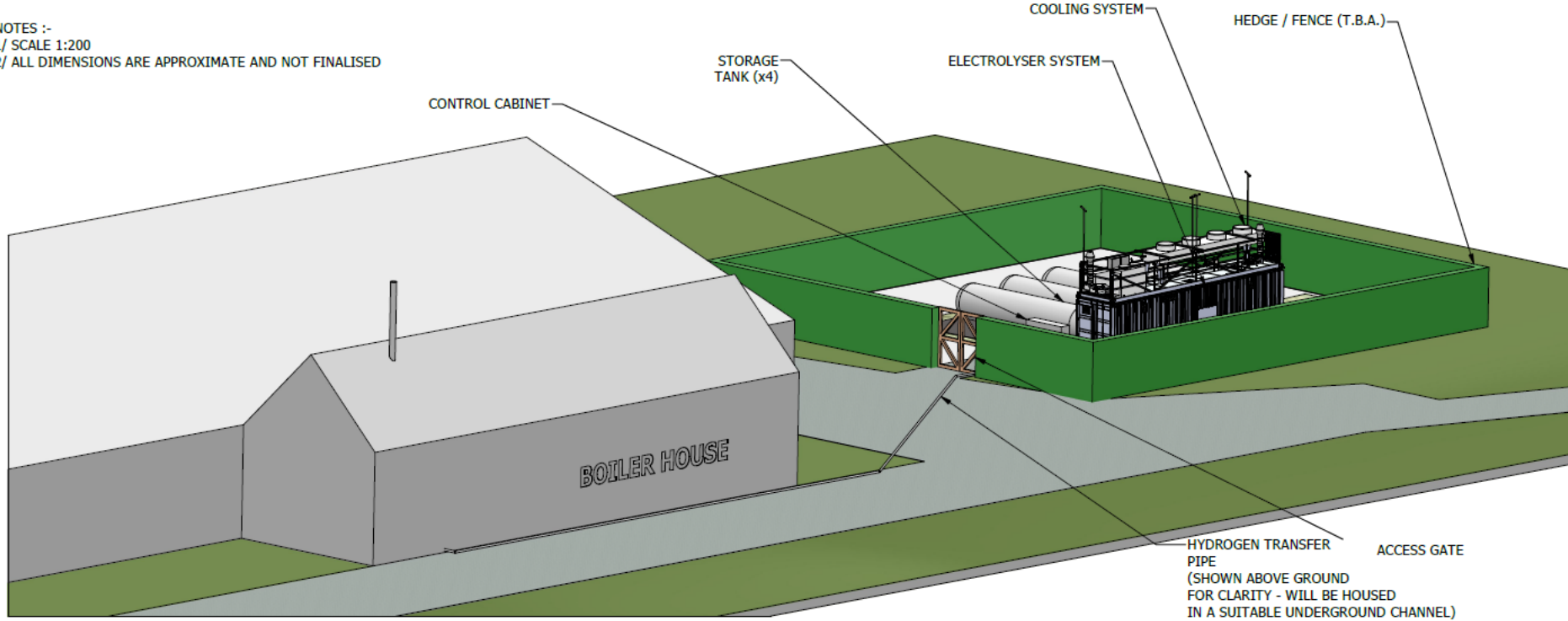
PROJECT
GREEN DISTILLERIES
ARBIKIE

DRAWING TITLE
DISTILLERY
SITE LAYOUT

SCALE 1:500 @ A3	DIRECTOR JB
DATE 27/05/2022	DRAWN BY EB
DRAWING NO: 7252-DRG-0002 REVISIONS V4.0	

PROPOSAL DRAWING - NOT FOR CONSTRUCTION

NOTES :-
 1/ SCALE 1:200
 2/ ALL DIMENSIONS ARE APPROXIMATE AND NOT FINALISED

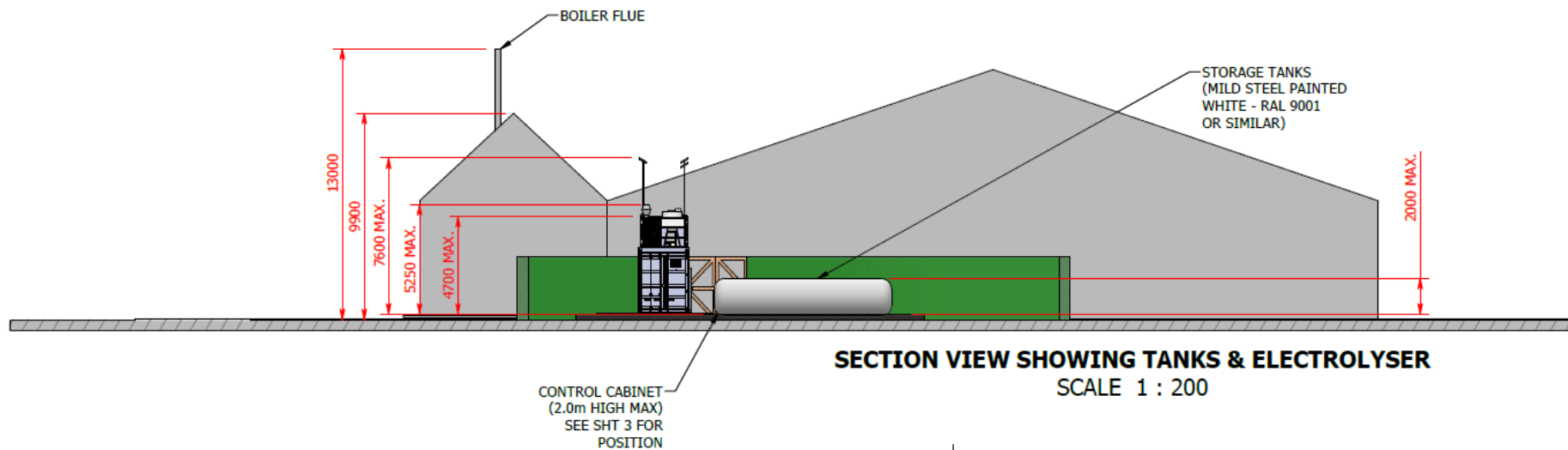
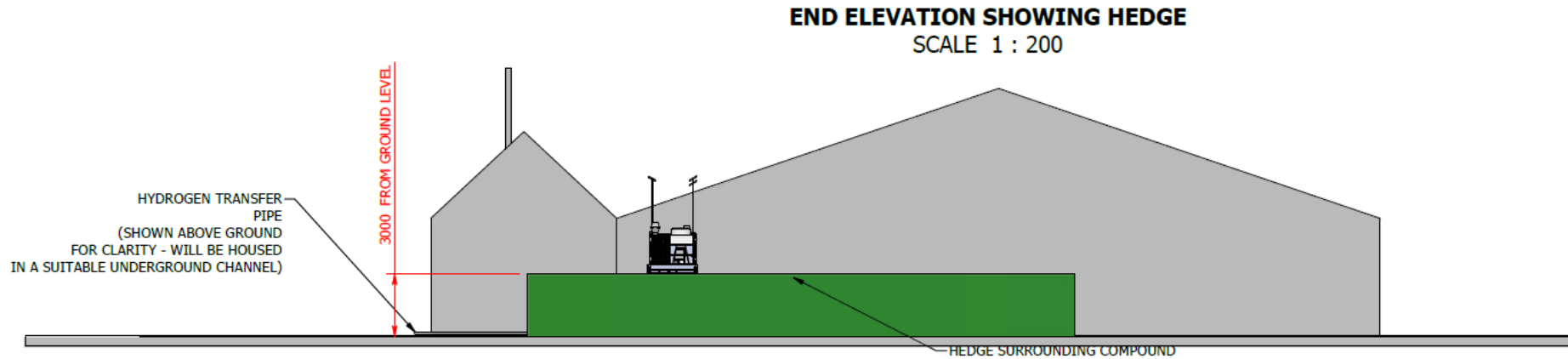


3D VIEW SHOWING PROPOSED LAYOUT

Rev.	Description	By	Chkd	Date
09	FLUE HEIGHT INCREASED	DM	MJ	08.06.22
08	FLUE ADDED	DM	MOC	17.05.22
07	MINOR REVISIONS FOR PLANNING APPLICATION ADDED	MRN	DR	12.4.22
06	MINOR REVISIONS FOR PLANNING APPLICATION ADDED	MRN	DR	12.4.22
05	COOLING SYSTEM ADDED	MRN	KT	11.2.22
04	DRAWING NOW 4 SHEETS	MRN	KT	3.2.22
03	BOUNDARY ADDED / GATE ADDED / GRAVEL TRAP ADDED / NOTE 1 NOW SCALE	MRN		14.12.21
02	STORAGE TANKS HORIZ. / PLINTH SIZE INCR. & MOVED / HEDGE ADDED	MRN		26.11.21

Revision History																															
Sheet size A3  General tolerances for linear and angular dimensions per DIN ISO 2768:	Title Arbikie Distillery Layout - Storage Version																														
All dimensions are in millimetres, unless otherwise specified. Remove all burrs, scorch marks, weld spatter, break all sharp edges and corners, dress all welds. This drawing is the intellectual property of H2Tec Ltd. and may not be reproduced without prior permission.	Site Arbikie Client Arbikie Distillery																														
<table border="1"> <thead> <tr> <th colspan="2">Linear</th> </tr> </thead> <tbody> <tr> <td>>0.5≤3</td> <td>± 0.1</td> </tr> <tr> <td>>3≤6</td> <td>± 0.1</td> </tr> <tr> <td>>6≤30</td> <td>± 0.2</td> </tr> <tr> <td>>30≤120</td> <td>± 0.3</td> </tr> <tr> <td>>120≤400</td> <td>± 0.5</td> </tr> <tr> <td>>400≤1000</td> <td>± 0.8</td> </tr> <tr> <td>>1000≤2000</td> <td>± 1.2</td> </tr> <tr> <td>>2000</td> <td>± 2.0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Angular</th> </tr> </thead> <tbody> <tr> <td>≤10</td> <td>± 1°</td> </tr> <tr> <td>>10≤50</td> <td>± 0°30'</td> </tr> <tr> <td>>50≤120</td> <td>± 0°20'</td> </tr> <tr> <td>>120≤400</td> <td>± 0°10'</td> </tr> <tr> <td>>400</td> <td>± 0°5'</td> </tr> </tbody> </table>	Linear		>0.5≤3	± 0.1	>3≤6	± 0.1	>6≤30	± 0.2	>30≤120	± 0.3	>120≤400	± 0.5	>400≤1000	± 0.8	>1000≤2000	± 1.2	>2000	± 2.0	Angular		≤10	± 1°	>10≤50	± 0°30'	>50≤120	± 0°20'	>120≤400	± 0°10'	>400	± 0°5'	Project No. 20059 Drawing No. 20059-511 (SHT 1 OF 5)
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Drawn by MRN Date 29.10.21	Checked By Date																														



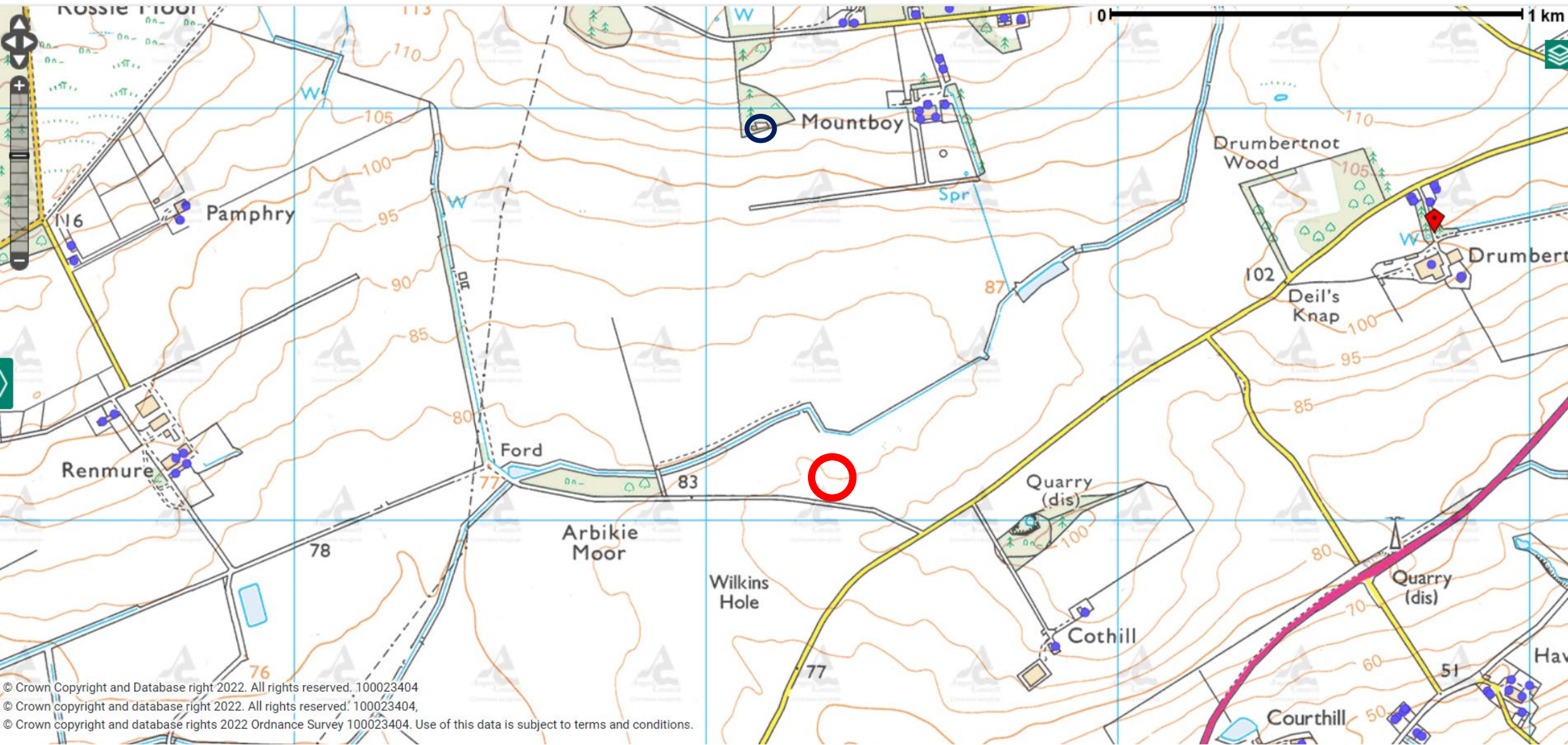


PROPOSAL DRAWING - NOT FOR CONSTRUCTION

Sheet size A3	 3rd Ang. Proj.	General tolerances for linear and angular dimensions per DIN ISO 2768:		Title Arbikie Distillery Layout - Storage Version																	
		<table border="1"> <thead> <tr> <th colspan="2">Linear</th> </tr> </thead> <tbody> <tr> <td>>0.5≤3</td> <td>± 0.1</td> </tr> <tr> <td>>3≤6</td> <td>± 0.1</td> </tr> <tr> <td>>6≤30</td> <td>± 0.2</td> </tr> <tr> <td>>30≤120</td> <td>± 0.3</td> </tr> <tr> <td>>120≤400</td> <td>± 0.5</td> </tr> <tr> <td>>400≤1000</td> <td>± 0.8</td> </tr> <tr> <td>>1000≤2000</td> <td>± 1.2</td> </tr> <tr> <td>>2000</td> <td>± 2.0</td> </tr> </tbody> </table>		Linear		>0.5≤3	± 0.1	>3≤6	± 0.1	>6≤30	± 0.2	>30≤120	± 0.3	>120≤400	± 0.5	>400≤1000	± 0.8	>1000≤2000	± 1.2	>2000	± 2.0
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All dimensions are in millimetres, unless otherwise specified. Remove all burrs, scorch marks, weld spatter, break all sharp edges and corners, dress all welds. This drawing is the intellectual property of H2Tec Ltd. and may not be reproduced without prior permission.		<table border="1"> <thead> <tr> <th colspan="2">Angular</th> </tr> </thead> <tbody> <tr> <td>≤10</td> <td>± 1°</td> </tr> <tr> <td>>10≤50</td> <td>± 0°30'</td> </tr> <tr> <td>>50≤120</td> <td>± 0°20'</td> </tr> <tr> <td>>120≤400</td> <td>± 0°10'</td> </tr> <tr> <td>>400</td> <td>± 0°5'</td> </tr> </tbody> </table>		Angular		≤10	± 1°	>10≤50	± 0°30'	>50≤120	± 0°20'	>120≤400	± 0°10'	>400	± 0°5'	Client Arbikie Distillery					
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		Drawn by MRN Date 3.2.22	Checked By Date	Project No. 20059	Drawing No. 20059-511 (SHT 4 OF 5)																







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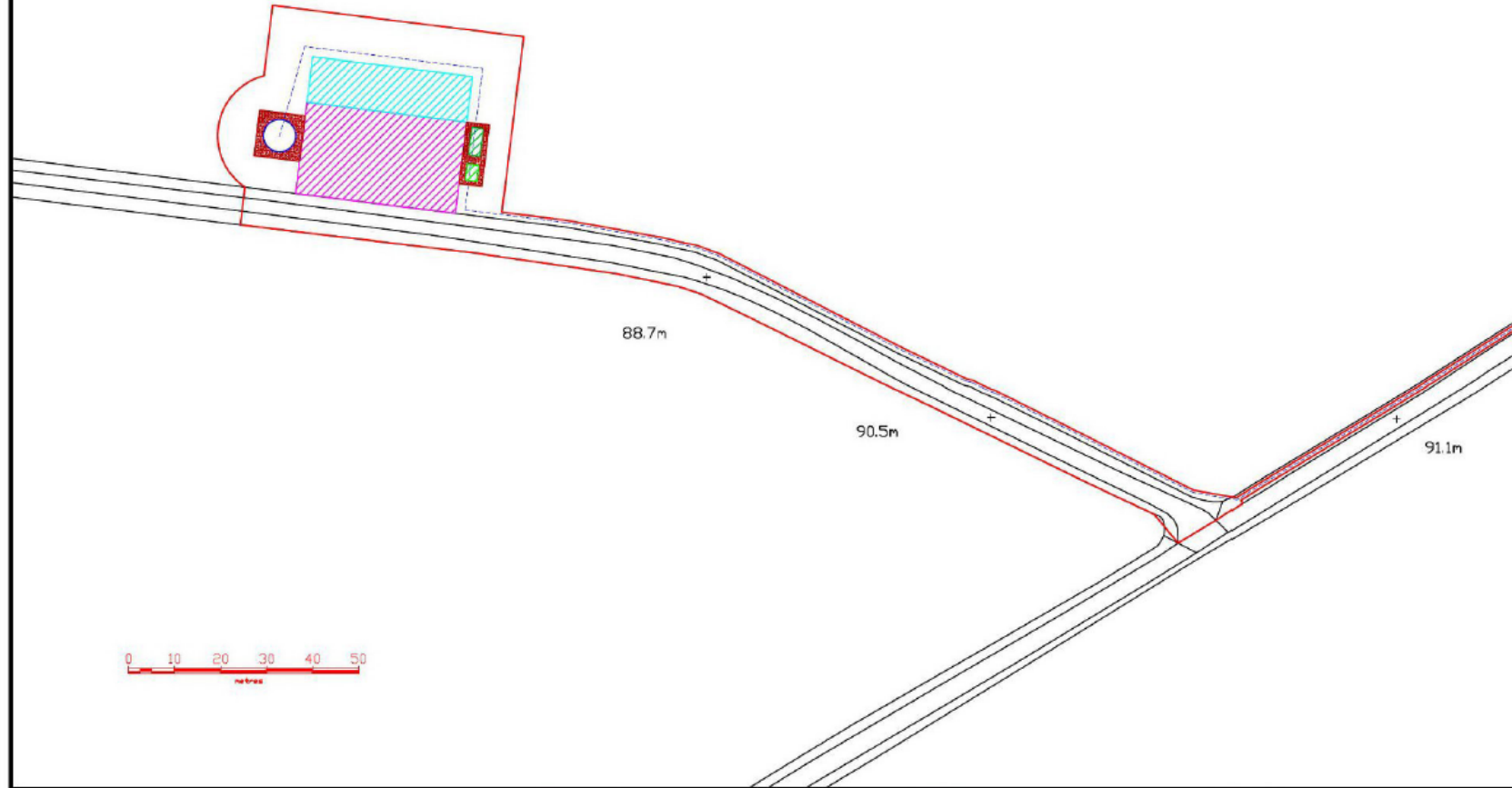
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KEY

-  Planning area boundary
-  Handstanding
-  Assembly area
-  Substation
-  Electrical building
-  Gravel areas
-  Turbine foundation
-  Cable route



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PROJECT
GREEN DISTILLERIES
ARBIKIE

DRAWING TITLE
ACCESS TRACK
SITE LAYOUT

SCALE: 1:1000 @ A3

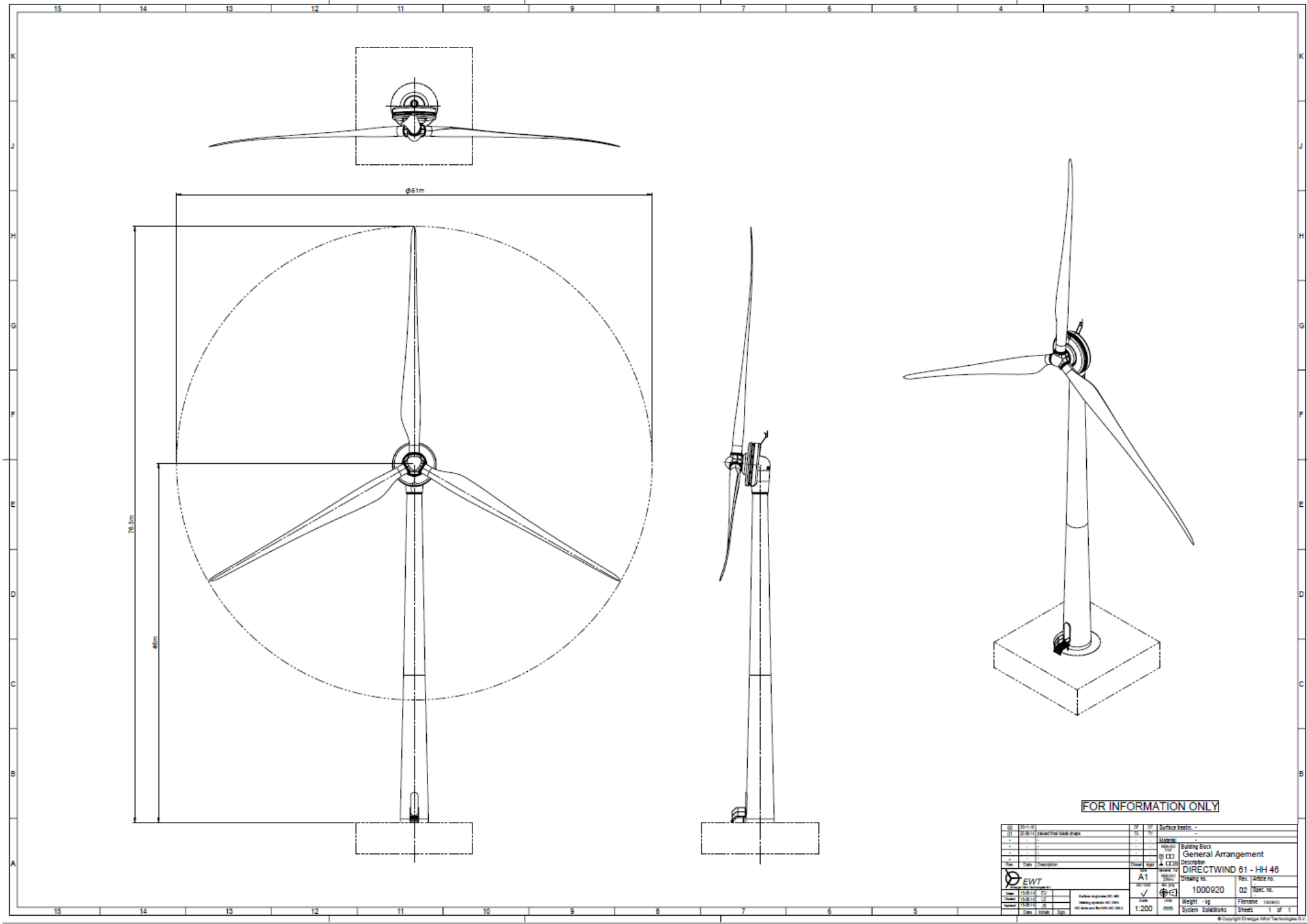
DIRECTOR: JB

DATE: 17/12/2021

DRAWN BY: DS

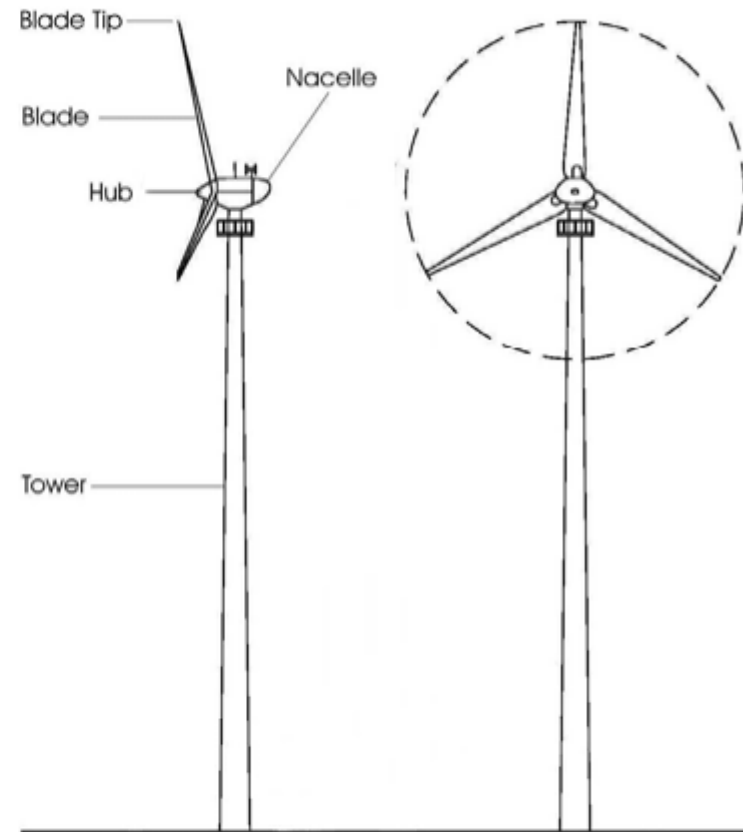
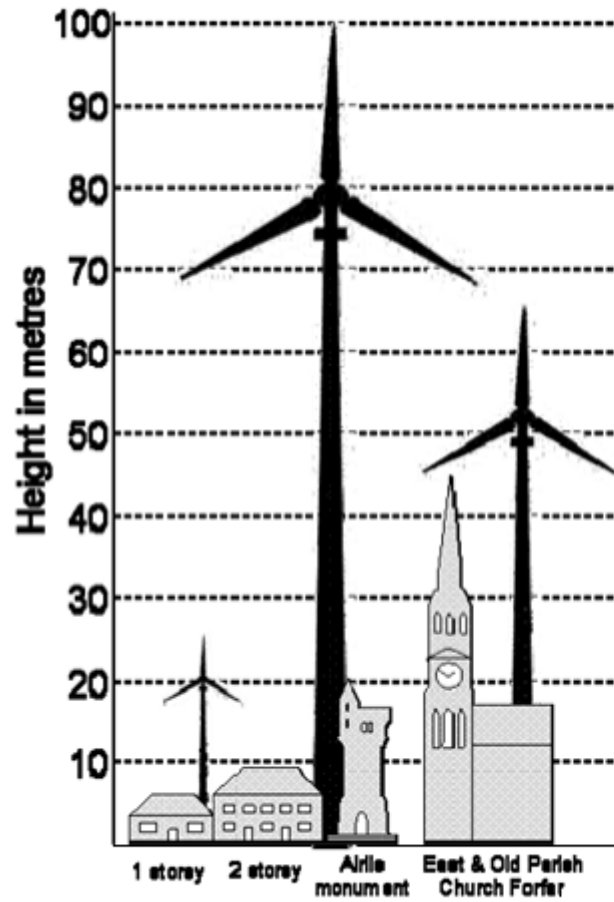
DRAWING NO: 7252-DRG-0004 REVISIONS V3.0



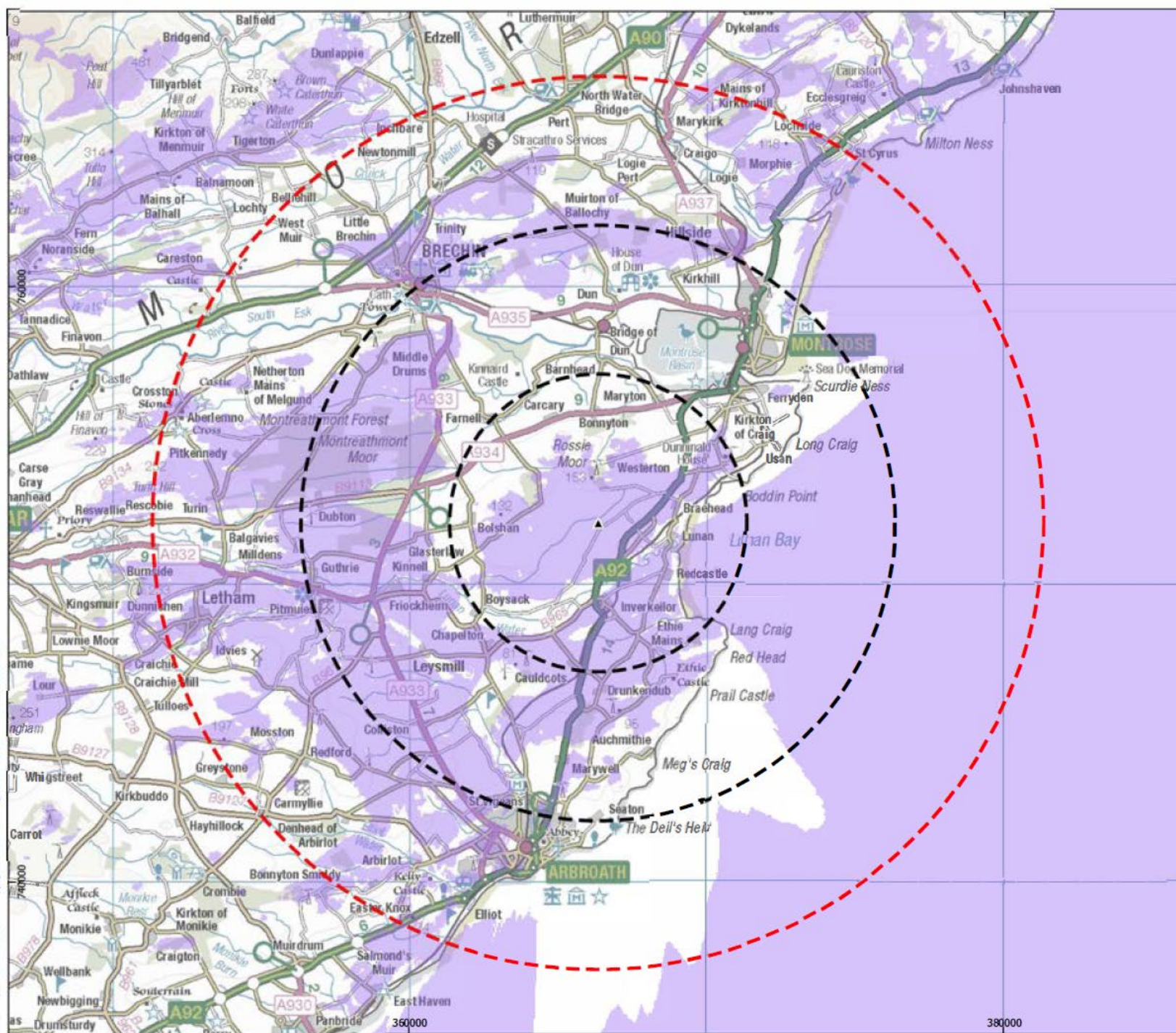


FOR INFORMATION ONLY





01	01/11/16	01	01	Surface beam	-
02	20/06/14	02	02	Mast	-
-	-	-	-	Building Block	-
-	-	-	-	General Arrangement	-
-	-	-	-	Concept	-
-	-	-	-	DIRECTWIND 61 - HH 48	-
File	Description	Drawn	Appr	Checked	By
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		Drawing no. 1000020		Rev. 02	
Date: 15/06/16		Author: [Name]		Filename: 1000020	
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Legend

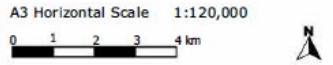
-  Arbikie turbine location
-  5km & 10km
-  15km
-  Tip visibility

Project description:

- Number of turbines: 1
- Location(s): 366328, 752054
- Proposed turbine model: EWT DW61
- Tip height of 76.5m AGL;
- Hub height of 46m AGL.

Clarifications:

- This map presents a Zone of Theoretical Visibility (ZTV) to the tip and/or hub height of the proposed Arbikie turbine.
- ZTV is bare earth, and does NOT include for buildings, foliage or other surface obstacles;
- ZTV takes into account earth curvature and atmospheric refraction;
- Observer height is set at 1.6m AGL;
- Digital Terrain Model sourced from OS open data (resolution of 50m).



CRS: British National Grid (EPSG:27700)

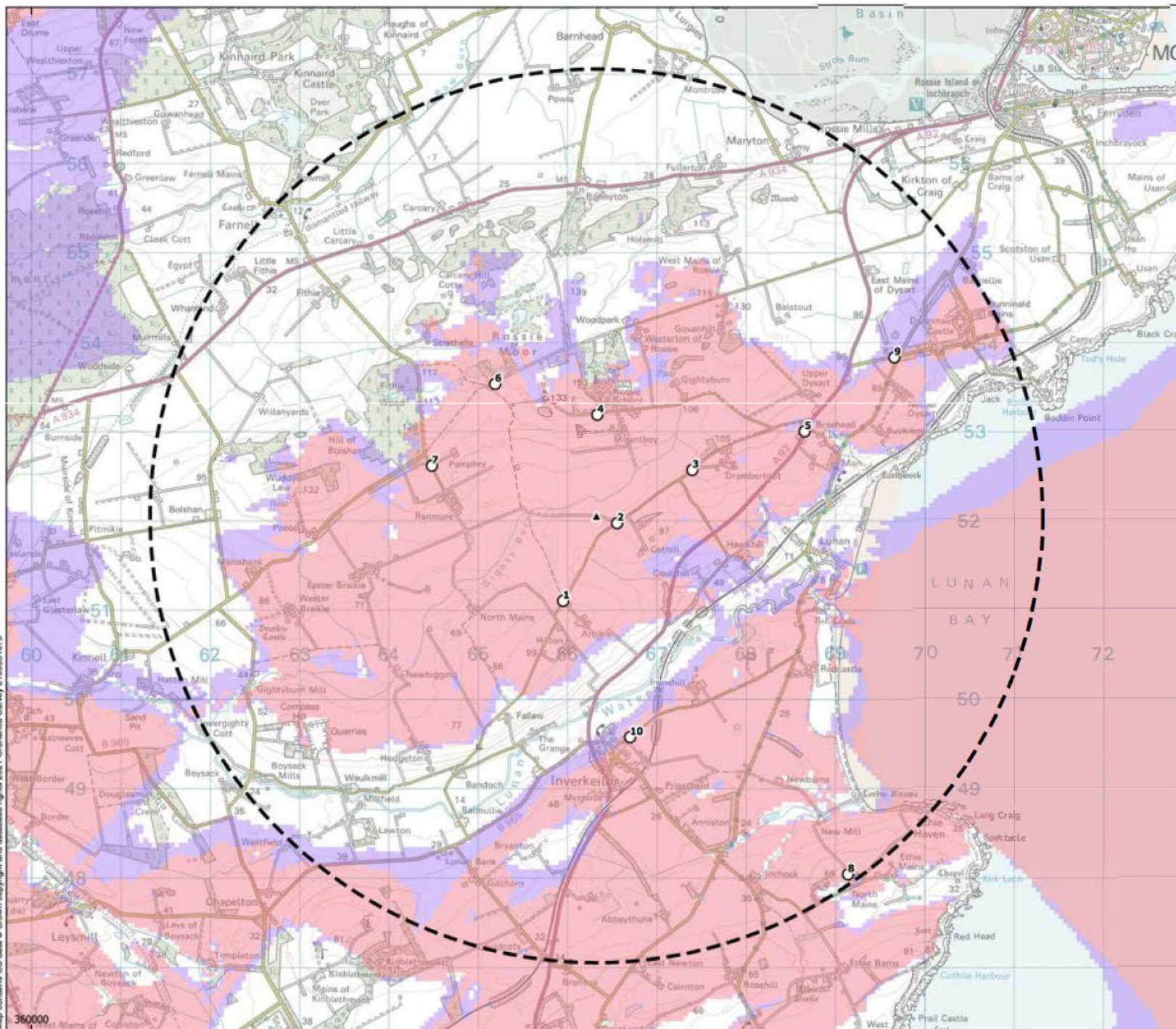
Produced: Amy Crum
 Reviewed: Bojan Jevtic
 Approved: Bojan Jevtic

Date: 15/12/21 | Revision: 1.0

7252-DRW-PLN-0002-Baseline ZTVs Part 1-v1.0

ZTV-0002
 15km tip visibility

Locogen Consulting Ltd



Locogen Ltd, 4 West Silvermills Lane,
 Stockbridge, Edinburgh, EH3 5BD
 Tel: +44 (0) 131 555 4745; Email: info@loco2gen.com
 Company Number: SC370060; VAT Number: 983383677

Legend

- Arbikie turbine location
- 5km
- Viewpoints
- Tip visible
- Hub visible

Project description:

- Number of turbines: 1
- Locations(s): 366328, 752054
- Proposed turbine model: EWT DW61
- Tip height of 76.5m AGL;
- Hub height of 46m AGL.

Clarifications:

- This map presents a Zone of Theoretical Visibility (ZTV) to the tip and/or hub height of the proposed Arbikie turbine.
- ZTV is bare earth, and does NOT include for buildings, foliage or other surface obstacles;
- ZTV takes into account earth curvature and atmospheric refraction;
- Observer height is set at 1.6m AGL;
- Digital Terrain Model sourced from OS open data (resolution of 50m).

A3 Horizontal Scale 1:40,000



CRS: British National Grid (EPSG:27700)

Produced: Amy Crum
 Reviewed: Bojan Jevtic
 Approved: Bojan Jevtic

Date: 15/12/21 | Revision: 1.0

7252-DRW-PLN-0002-Baseline ZTVs Part 1- v1.0

ZTV-0004
 5km ZTV with viewpoints

Locogen Consulting Ltd



Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0021
Viewpoint 01: Arbikie

OS reference:	E36554 N751101	Horizontal field of view:	33.5° (planar projection)	Camera:	Canon EOS-1Ds MkIII
Height AOD:	88m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	18°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	1,024m	Image size:	820 x 260mm	Date and time:	22/10/2021 12:45



Photomontage view

Drawing no: WFPM-0023
Viewpoint 02: Cothill

View flat at a comfortable arm's length

OS reference:	E36560 N751971	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 1Ds MkIII
Height AOD:	91m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	291°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	246m	Image size:	820 x 250mm	Date and time:	22/10/2021 12:00



Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0025
Viewpoint 03: Drumbertnot

OS reference:	E367402 N752566	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS-1Ds MkIII
Height AOC:	102m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	248°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	1,190m	Image size:	820 x 260mm	Date and time:	22/10/2021 11:10



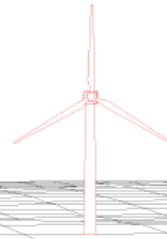
Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0027
Viewpoint 04: Rossie School

OS reference:	E366337 N753185	Horizontal field of view:	63.5° (planar projection)	Camera:	Canon EOS-1Dx MkIII
Height AOD:	122m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	181°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	1,131m	Image size:	820 x 250mm	Date and time:	22/10/2021 17:45

Arbikie



Wireframe view

Drawing no: WFPM-0040
Viewpoint 11: Mountboy

OS reference: E356485 N752345
Height AOD: 108m
Direction of view: 190°
Nearest turbine: 0.9km

Horizontal field of view: 83.5° (planar projection)
Principal distance: 812.5mm
Paper size: A1
Image size: 820 x 260mm

Camera:
Lens:
Camera height: 1.8m
Date and time:



Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0031
Viewpoint 06: Nicoll's Loch

OS reference:	E365192 N753528	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS-1Ds MkIII
Height AOD:	118m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	145°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	1.861m	Image size:	820 x 260mm	Date and time:	22/10/2021 17:00



Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0033
Viewpoint 07: Pamphrey

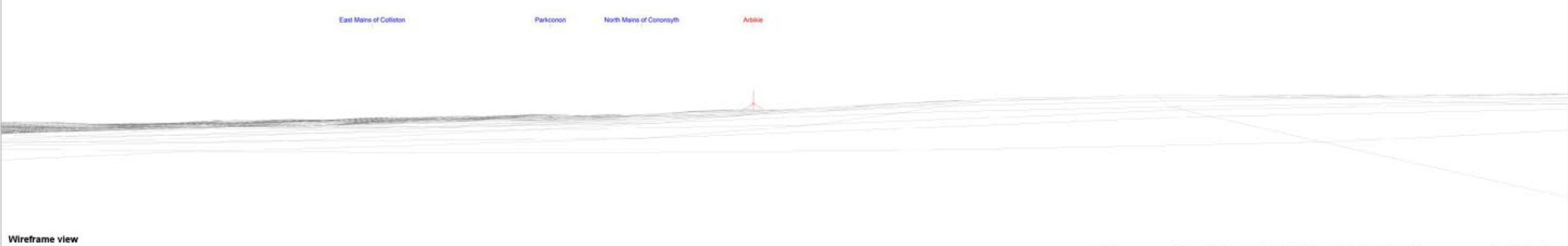
OS reference:	E364484 N752614	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS-1Ds Mark II
Height AOD:	109m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	105°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	1,327m	Image size:	820 x 260mm	Date and time:	22/10/2021 15:45



Baseline photograph

This image provides landscape and visual context only

East Mains of Collieston Parkconon North Mains of Cononseyth **Arbale**



Wireframe view

Drawing no: WFPM-0008
Viewpoint 05: A92 Braehead

OS reference:	E368990 N752986	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS-1Dx MkII
Height AOD:	91m	Principal distance:	523mm	Lens:	50mm f1.4
Direction of view:	290°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	2515.8219332654223m	Image size:	600 x 130mm	Date and time:	22/10/2021 10:15

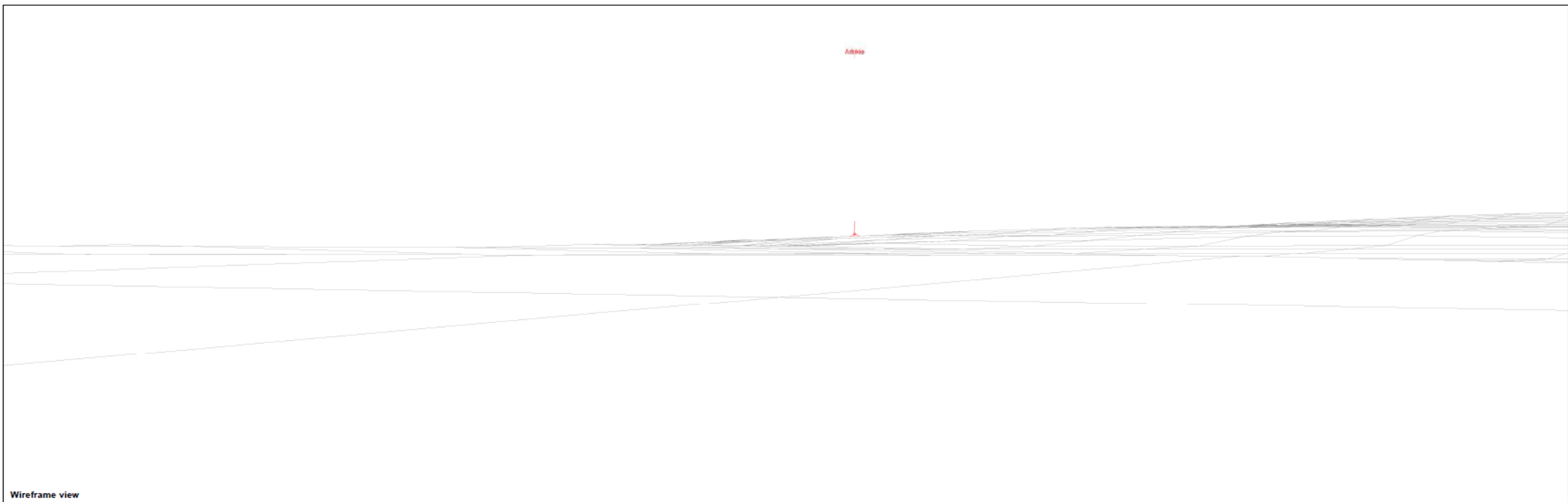
Arbikie



Wireframe view

Drawing no: WFPM-0044
Viewpoint 13: Lunan Bay Beach

OS reference:	E369172 N751683	Horizontal field of view:	53.5° (planar projection)	Camera:	
Height AOD:	12m	Principal distance:	812.5mm	Lens:	
Direction of view:	277°	Paper size:	A1	Camera height:	1.8m
Nearest turbine:	2.9km	Image size:	620 x 250mm	Date and time:	





Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0039
Viewpoint 10: Inverkeilor

OS reference:	E366705 N749576	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS-1Ds MkIII
Height AOD:	29m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	350°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	2,507m	Image size:	820 x 260mm	Date and time:	22/10/2021 15:00



Photomontage view

View flat at a comfortable arm's length

Drawing no: WFPM-0035
Viewpoint 08: Core Path, North Mains

OS reference:	E369145 N748041	Horizontal field of view:	63.5° (planar projection)	Camera:	Canon EOS-1Ds MkIII
Height AOD:	63m	Principal distance:	812.5mm	Lens:	50mm f1.4
Direction of view:	325°	Paper size:	A1	Camera height:	1.5m
Nearest turbine:	4.903m	Image size:	820 x 260mm	Date and time:	22/10/2021 14:00

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