

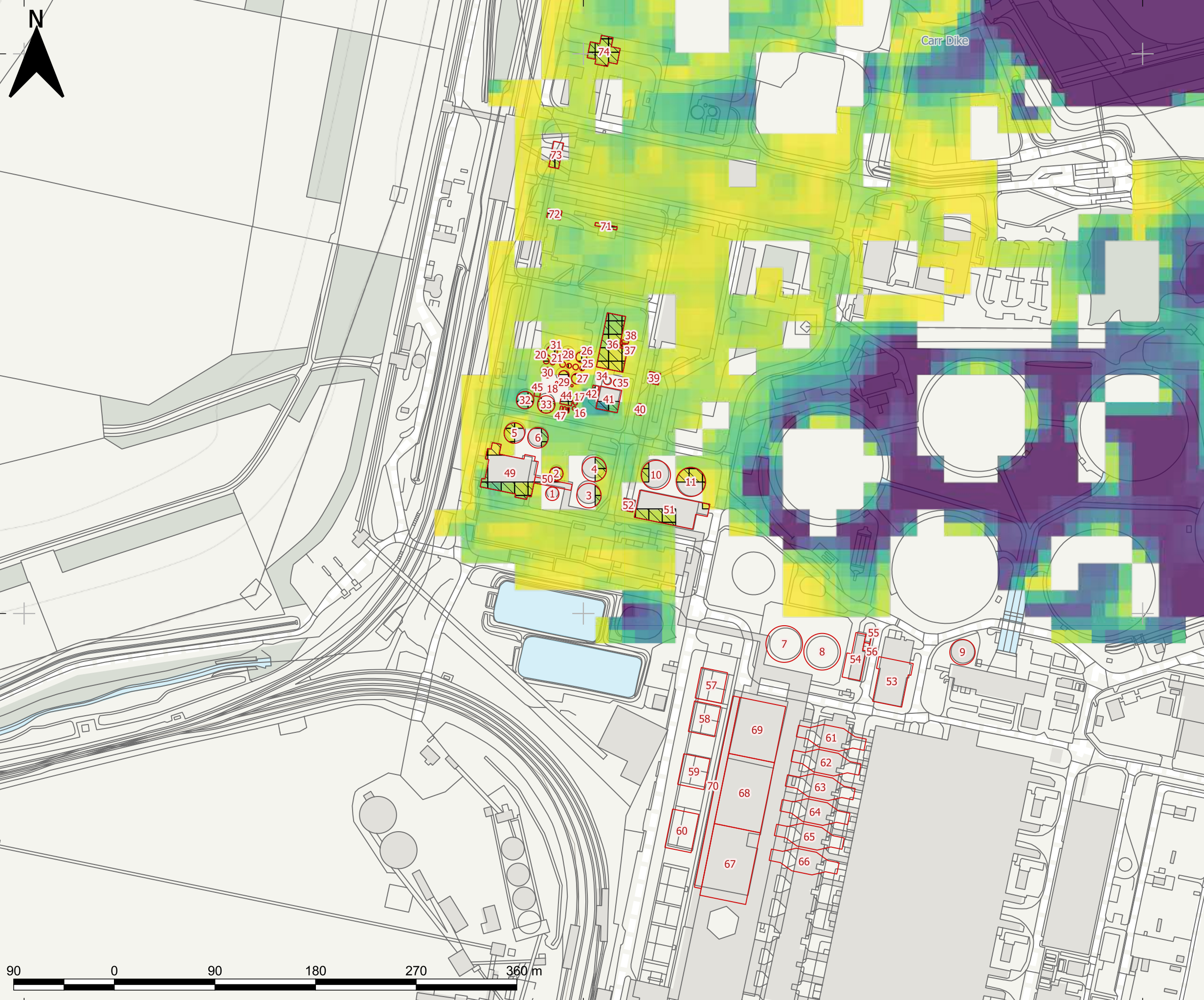
465500

466000

466500

428000

427500



KEY:

- Demolished Building Footprints
- Extracted

FT2 Flood Depth (m)

0 1

A	17/8/22	BW	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

STATUS: **FOR INFORMATION ONLY**



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CLIENT: **DRAX POWER**

ARCHITECT: -

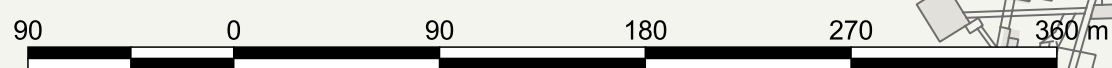
PROJECT: **70072063 - Drax BECCS DCO**

TITLE: **Flood Compensation Areas
FT2 Flood Result Demolished
Buildings Intersection**

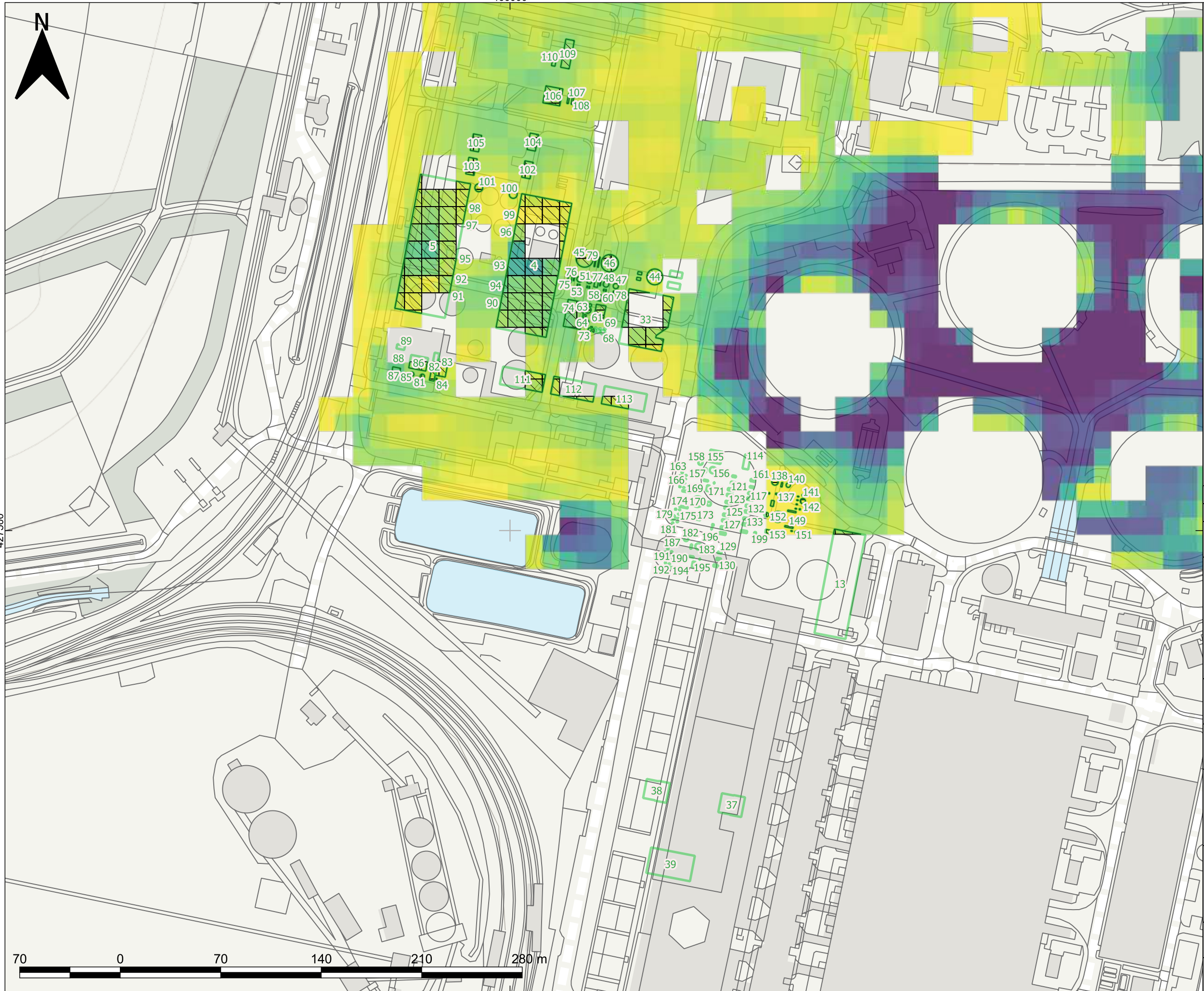
DRAWN:	CHECKED:	APPROVED:
BW	ES	AS

QGIS FILE: Drax Flood Compensation Analysis.ggz	SCALE @A3: 1:3,310	DATE: 18/08/22
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PROJECT No: 70072063	DRAWING No: 70072063-FCA-1	REV: A
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Created by: UKEXB035 - 2022-08-18 16:05:48 - \\uk.wspgroup.com\central_data\Projects\70072063 - Drax BECCS DCO\03 Environment\09 Surface Water\04 WIP\Flood Compensation Analysis.ggz



KEY:

- Proposed Building Footprints
- Extracted

FT2 Flood Depth (m)

0 1

A	17/8/22	BW	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

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CLIENT: **DRAX POWER**

ARCHITECT: -

PROJECT: **70072063 - Drax BECCS DCO**

TITLE: **Flood Compensation Areas
FT2 Flood Result Proposed Buildings
Intersection**

DRAWN:	CHECKED:	APPROVED:
BW	ES	AS

QGIS FILE: Drax Flood Compensation Analysis.ggz	SCALE @A3: 1:2,530	DATE: 18/08/22
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PROJECT No: 70072063	DRAWING No: 70072063-FCA-2	REV: A
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PHOTOS OF PROPOSED COMPENSATION AREA

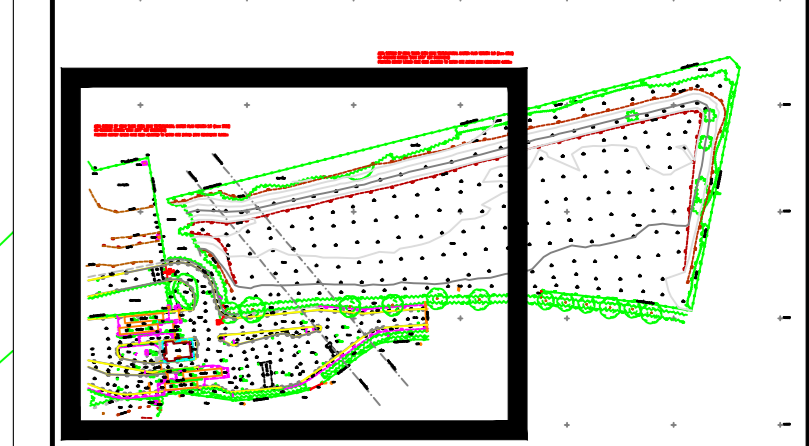
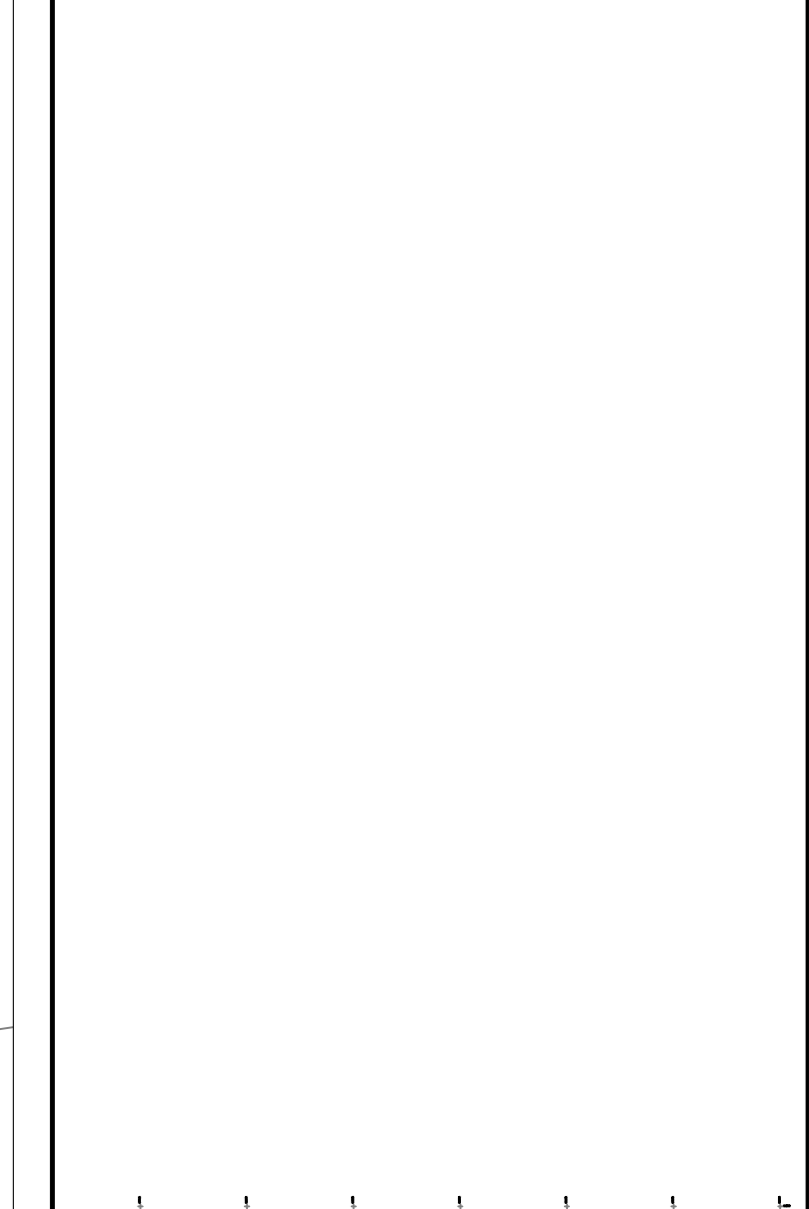


AREA OUTSIDE OF FIELD TAKEN FROM DRAX TOPOGRAPHICAL MASTER PLAN VERSION 2.0 (June 2022)
 CO-ORDINATE SYSTEM: "DRAX 2017" NOT OSGB36(15)
 PREVIOUS SURVEY LEVELS HAVE BEEN ADJUSTED TO MATCH SITE DATUM: DRAX BENCHMARK 6.993m



MANHOLE LEGEND		ABBREVIATIONS	
HWCT	Cable Television	LP	Lamp Post
HWEL	Electricity	TP	Telegraph Pole
HWGA	Gas	EP	Electricity Pole
HWSW	Surface Water	EP	Electricity Pole
HWFW	Foul Water	GM	Gas Marker Monument
HWBT	British Telecom	MS	Manhole
HWWT	Water	GU	Gully
SYMBOL LEGEND		FL	Fire Hydrant
+	Benchmark	WM	Water Meter
○	Well	WSV	Water Stop Valve
□	Electric Pole	GSV	Gas Stop Valve
○	Electricity Pole	RE	Rodding Eye
○	Gas Stop Valve	GU	Gully
○	Gas Stop Valve	FL	Fire Hydrant
○	Gas Stop Valve	WM	Water Meter
○	Gas Stop Valve	WSV	Water Stop Valve
○	Gas Stop Valve	GSV	Gas Stop Valve
○	Gas Stop Valve	RE	Rodding Eye
○	Gas Stop Valve	RE	Bottom of Bank
○	Gas Stop Valve	RE	Building
○	Gas Stop Valve	RE	Canopy Edge
○	Gas Stop Valve	RE	Concrete Edge
○	Gas Stop Valve	RE	Ditch
○	Gas Stop Valve	RE	Drop Kerb
○	Gas Stop Valve	RE	Overhead Cable
○	Gas Stop Valve	RE	Fence
○	Gas Stop Valve	RE	Gate
○	Gas Stop Valve	RE	Kerb
○	Gas Stop Valve	RE	Path
○	Gas Stop Valve	RE	Post Line
○	Gas Stop Valve	RE	Tarmac Edge
○	Gas Stop Valve	RE	Top of Bank
○	Gas Stop Valve	RE	Track
○	Gas Stop Valve	RE	Wall
○	Gas Stop Valve	RE	Verge
○	Gas Stop Valve	RE	Hedge/Line
○	Gas Stop Valve	RE	Grass Edge

SHEET LAYOUT



REVISION	DESCRIPTION	DATE

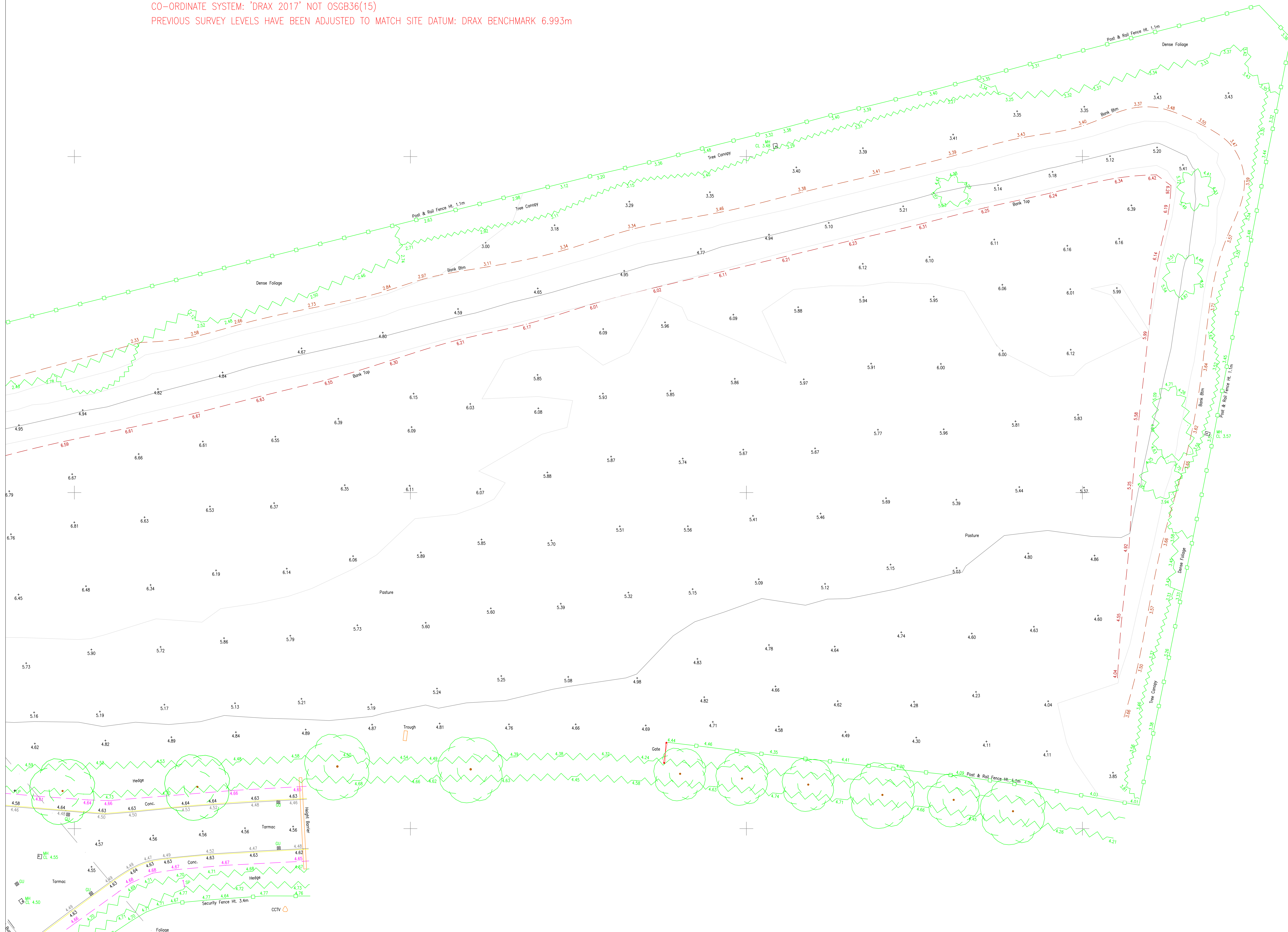
PRODAR
 Underground Mapping

PRODAR SURVEYS LTD.
 Unit 20 Carlisle House
 Carlisle Street
 Goole DN14 5DS
 T: +44 (0) 1482 778 588
 F: +44 (0) 8443 913 111
 E: info@prodarsurveys.co.uk
 W: www.prodarsurveys.co.uk

JOB TITLE: DRAX POWER LIMITED
 BECOS PROJECT
 DRAX POWER STATION

DRAWING TITLE: TOPOGRAPHICAL SURVEY	
DRAWING NO: 9239A-001	DATE: 02/09/2022
SHEET NO: No. 1 of 2	REVISION:
DRAWN BY: JB	SCALE: 1:200 @ A3
CHECKED BY: MS	APPROVED BY: AD
SCALE BAR: 0.9m 2.0m 4.0m 6.0m 8.0m 10.0m	

AREA OUTSIDE OF FIELD TAKEN FROM DRAX TOPOGRAPHICAL MASTER PLAN VERSION 2.0 (June 2022)
 CO-ORDINATE SYSTEM: 'DRAX 2017' NOT OSGB36(15)
 PREVIOUS SURVEY LEVELS HAVE BEEN ADJUSTED TO MATCH SITE DATUM: DRAX BENCHMARK 6.993m



466500



Site-won Material Volume (m3)	Flexible Extent	Minimum Required Extent
Providing Compensation	1,079	880
Total	2,505	2,038

- KEY:**
- Redline Boundary
 - Indicative Earthworks**
 - 1 in 4 Slope
 - Cut to 4.36m AOD
 - Site-Won Material Placement Area
 - Floodplain Compensation Extents**
 - Flexible
 - Minimum Required

NOTES

- Indicative cut area to be sloped up to existing ground levels at 1 in 4 slope.
- Site-won material to be placed in areas above 5.35m AOD.
- Proposed Flood Compensation Area is indicative and subject to detailed design.

REV	DATE	DRW	DESCRIPTION	CHK	APP
A	12/9/22	BW	FIRST ISSUE	ES	AS

STATUS: **FOR INFORMATION ONLY**



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ARCHITECT: -

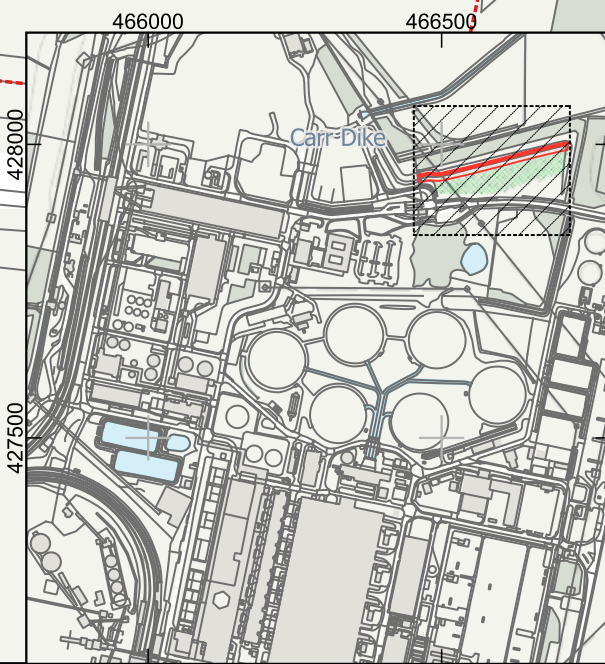
PROJECT: **70072063 - Drax BECCS DCO**

TITLE: **Indicative Flood Compensation Area**

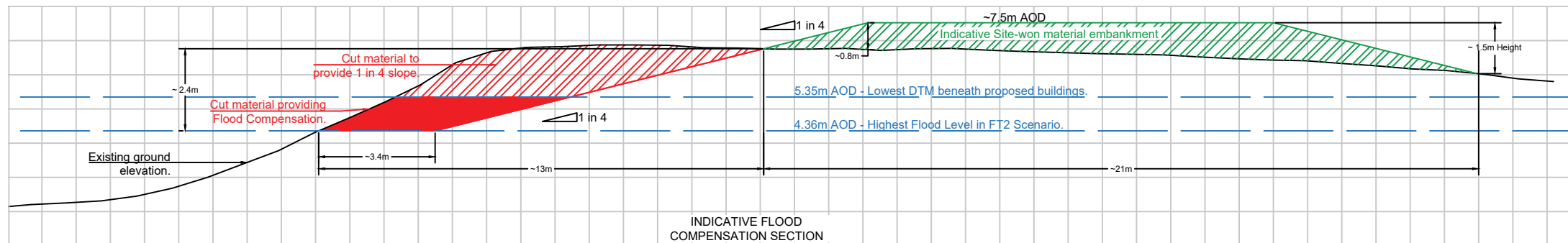
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BW	ES	AS

QGIS FILE:	SCALE @A3:	DATE:
Drax Flood Compensation Analysis.ggz	1:810	21/09/22

PROJECT No:	DRAWING No:	REV:
70072063	70072063-FCA-2	A



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NOTES
 - Indicative cut area to be sloped up to existing ground levels at 1 in 4 slope.
 - Site-won material to be placed in areas above 5.35m AOD.
 - Proposed Flood Compensation Area is indicative and subject to detailed design.

REV	DATE	DRW	DESCRIPTION	CHK	APP
A	12/9/22	BW	FIRST ISSUE	ES	AS

STATUS:
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CLIENT:
DRAX POWER

ARCHITECT:
 -

PROJECT:
70072063 - Drax BECCS DCO

TITLE:
Indicative Flood Compensation Section

DRAWN: BW	CHECKED: ES	APPROVED: AS
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QGIS FILE: Drax Flood Compensation Analysis.ggz	SCALE @A3:	DATE: 13/09/22
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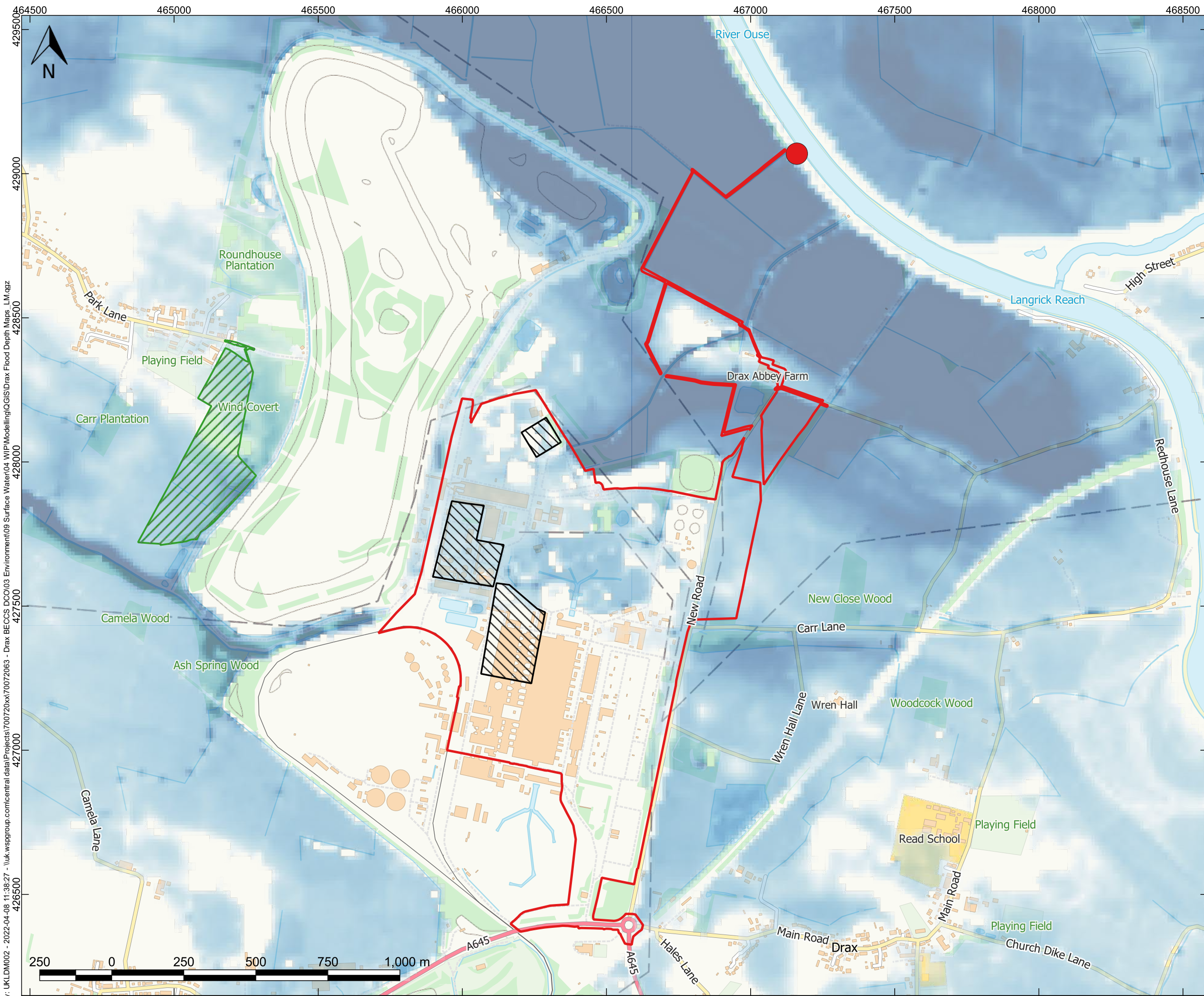
PROJECT No: 70072063	DRAWING No: 70072063-FCA-3	REV: A
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APPENDIX N – 60 YEAR DESIGN LIFE FLOOD LEVELS



60 Year Design life flood levels

Building Reference	FD	FT1	FT5	T	Min design level (mAOD) based on 2046 design event FT2	Freeboard/flood depth (m)			
	Modelled 60yr design life flood levels (mAOD)					FD	FT1	FT5	T
1 East	0.00	0.00	0.00	0.00	6.58	0.3m above ground level			
1 West	0.00	0.00	0.00	0.00	6.20	0.3m above ground level			
10	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
12 East	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
12 West	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
13	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
14	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
16	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
3 East	0.00	0.00	0.00	0.00	6.15	0.3m above ground level			
3 West	0.00	0.00	0.00	0.00	6.23	0.3m above ground level			
4 East	5.68	5.58	4.90	4.85	5.40	-0.28	-0.18	0.50	0.55
4 West	0.00	0.00	0.00	0.00	5.91	0.3m above ground level			
8	0.00	0.00	0.00	0.00	6.26	0.3m above ground level			



KEY:

- Order Limits
- Indicative Areas of Proposed Works
- Off-Site Habitat Provision Area
- Breach Location

Maximum Flood Depth (m)

- 0.00 - 0.15 m
- 0.15 - 0.50 m
- 0.50 - 1.00 m
- 1.00 - 1.50 m
- 1.50 - 2.00 m
- 2.00 - 2.50 m
- >2.50m

A	08/04/22	LM	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

STATUS: **FOR INFORMATION ONLY**

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CLIENT: **drax**

ARCHITECT: -

PROJECT: **DRAX BECCS DCO**

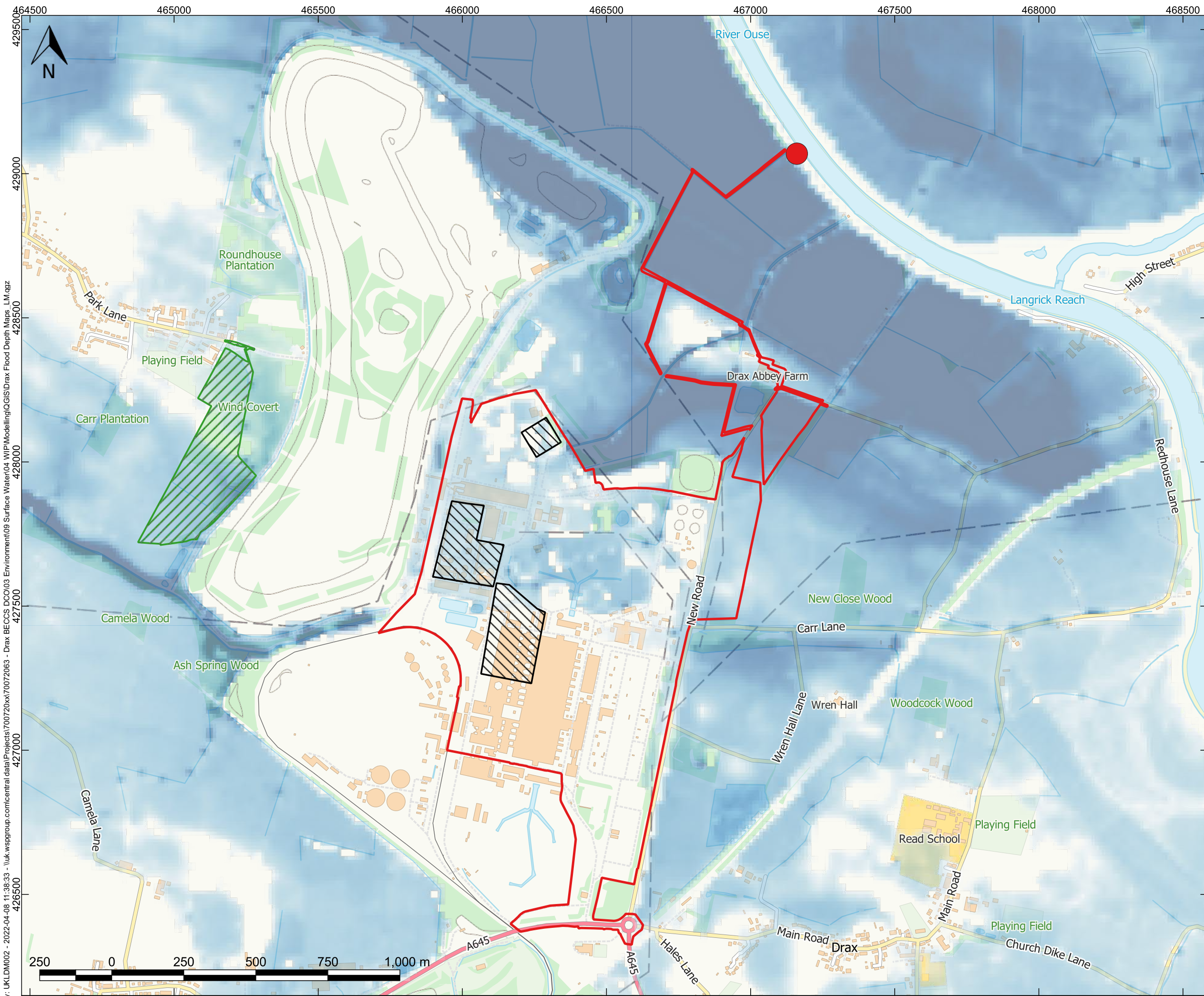
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DRAWN: LM	CHECKED: ES	APPROVED: AS
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QGIS FILE: Drax Flood Depth Maps_LM.ggz	SCALE @A3: 1:12,500	DATE: 08/04/22
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PROJECT No: 70072063	DRAWING No: DEFENDED-60YR-FD-D	REV: A
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KEY:

- Order Limits
- Indicative Areas of Proposed Works
- Off-Site Habitat Provision Area
- Breach Location

Maximum Flood Depth (m)

- 0.00 - 0.15 m
- 0.15 - 0.50 m
- 0.50 - 1.00 m
- 1.00 - 1.50 m
- 1.50 - 2.00 m
- 2.00 - 2.50 m
- >2.50m

A	08/04/22	LM	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

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CLIENT: **drax**

ARCHITECT: -

PROJECT: **DRAX BECCS DCO**

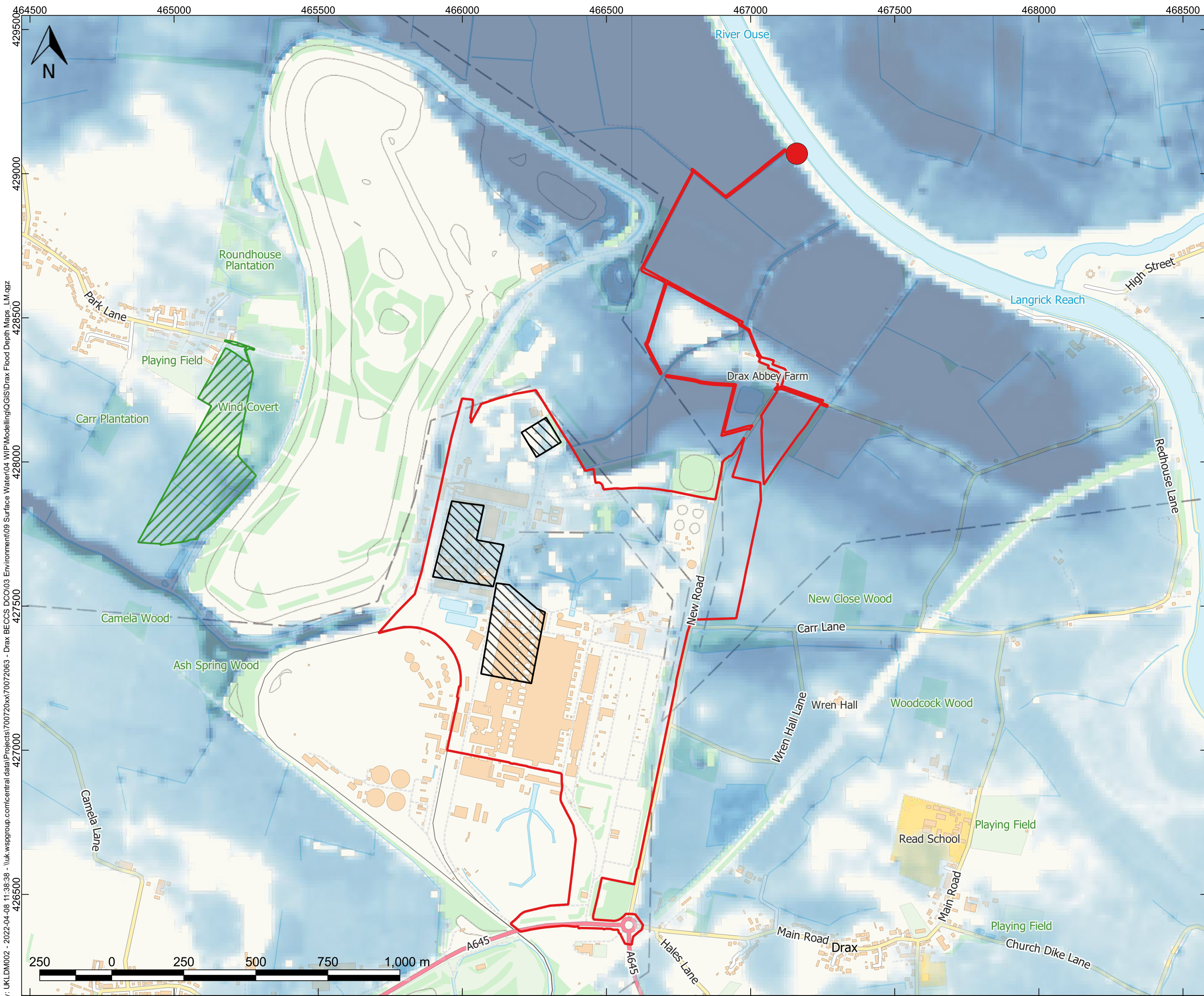
TITLE: **MAXIMUM FLOOD DEPTHS FOR FT1 DEFENDED - 60-YEAR DESIGN LIFE**

DRAWN: LM	CHECKED: ES	APPROVED: AS
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QGIS FILE: Drax Flood Depth Maps_LM.ggz	SCALE @A3: 1:12,500	DATE: 08/04/22
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PROJECT No: 70072063	DRAWING No: DEFENDED-60YR-FT1-D	REV: A
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KEY:

- Order Limits
- Indicative Areas of Proposed Works
- Off-Site Habitat Provision Area
- Breach Location

Maximum Flood Depth (m)

- 0.00 - 0.15 m
- 0.15 - 0.50 m
- 0.50 - 1.00 m
- 1.00 - 1.50 m
- 1.50 - 2.00 m
- 2.00 - 2.50 m
- >2.50m

A	08/04/22	LM	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

STATUS: **FOR INFORMATION ONLY**



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CLIENT: **drax**

ARCHITECT: -

PROJECT: **DRAX BECCS DCO**

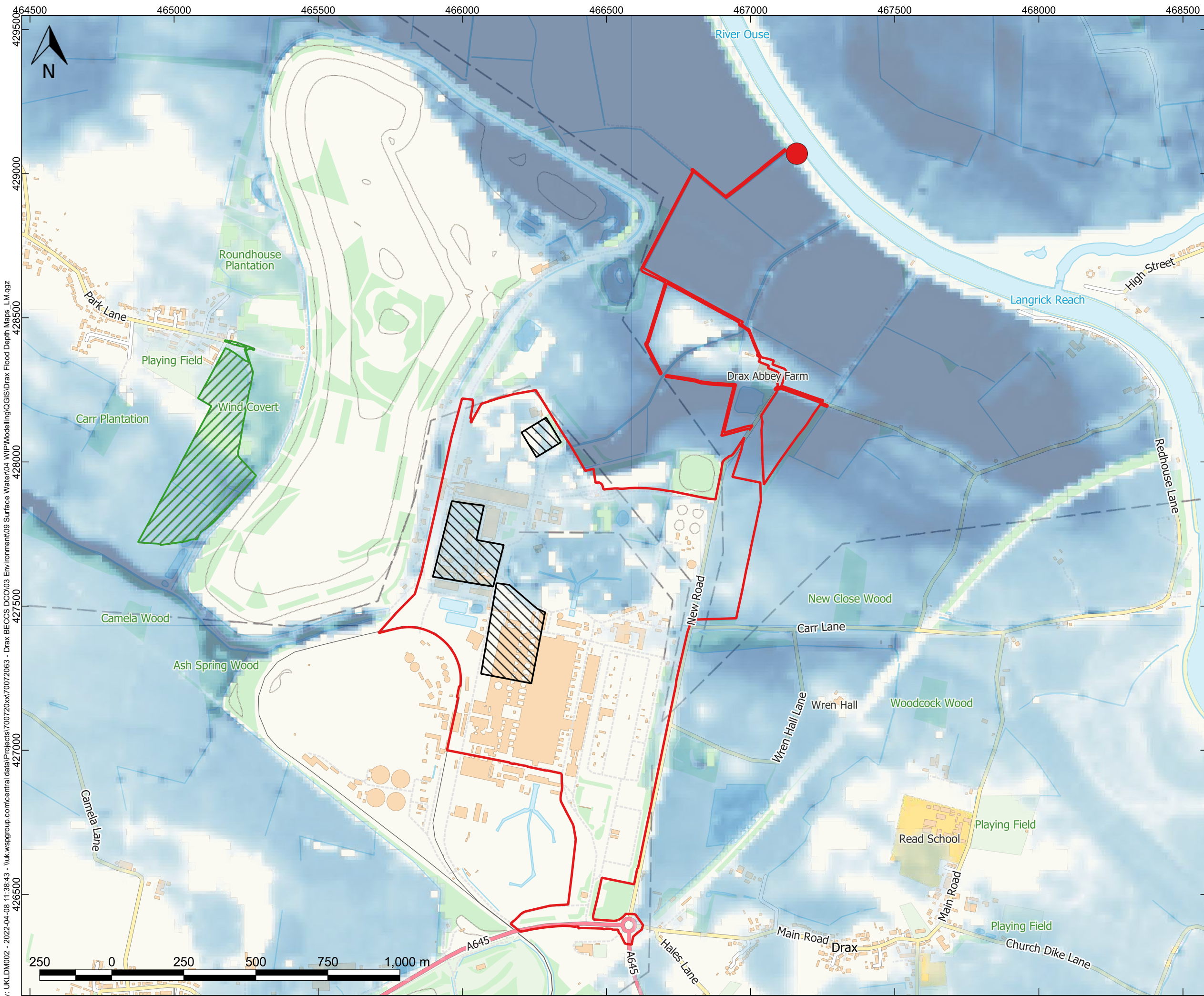
TITLE: **MAXIMUM FLOOD DEPTHS FOR FT5 DEFENDED - 60-YEAR DESIGN LIFE**

DRAWN: LM	CHECKED: ES	APPROVED: AS
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QGIS FILE: Drax Flood Depth Maps_LM.ggz	SCALE @A3: 1:12,500	DATE: 08/04/22
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PROJECT No: 70072063	DRAWING No: DEFENDED-60YR-FT5-D	REV: A
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KEY:

- Order Limits
- Indicative Areas of Proposed Works
- Off-Site Habitat Provision Area
- Breach Location

Maximum Flood Depth (m)

- 0.00 - 0.15 m
- 0.15 - 0.50 m
- 0.50 - 1.00 m
- 1.00 - 1.50 m
- 1.50 - 2.00 m
- 2.00 - 2.50 m
- >2.50m

A	08/04/22	LM	FIRST ISSUE	ES	AS
REV	DATE	DRW	DESCRIPTION	CHK	APP

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ARCHITECT: -

PROJECT: **DRAX BECCS DCO**

TITLE: **MAXIMUM FLOOD DEPTHS FOR T DEFENDED - 60-YEAR DESIGN LIFE**

DRAWN: LM	CHECKED: ES	APPROVED: AS
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QGIS FILE: Drax Flood Depth Maps_LM.ggz	SCALE @A3: 1:12,500	DATE: 08/04/22
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PROJECT No: 70072063	DRAWING No: DEFENDED-60YR-T-D	REV: A
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