drax ENVIRONMENTAL STATEMENT VOLUME 3 – APPENDIX 12.1 Part 2 of 2

Flood Risk Assessment

Drax Bioenergy with Carbon Capture and Storage

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

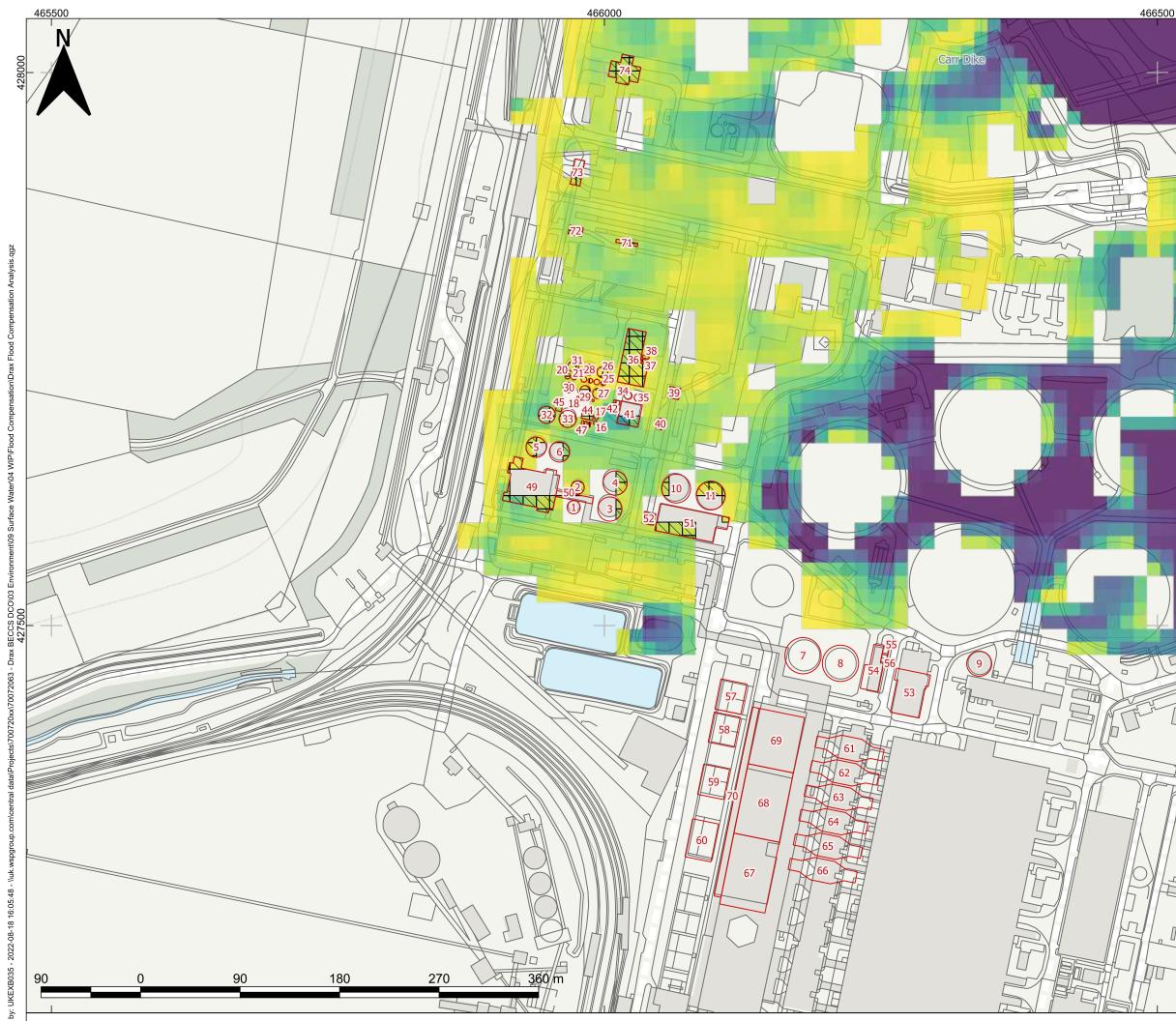
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Applicant: Drax Power Limited

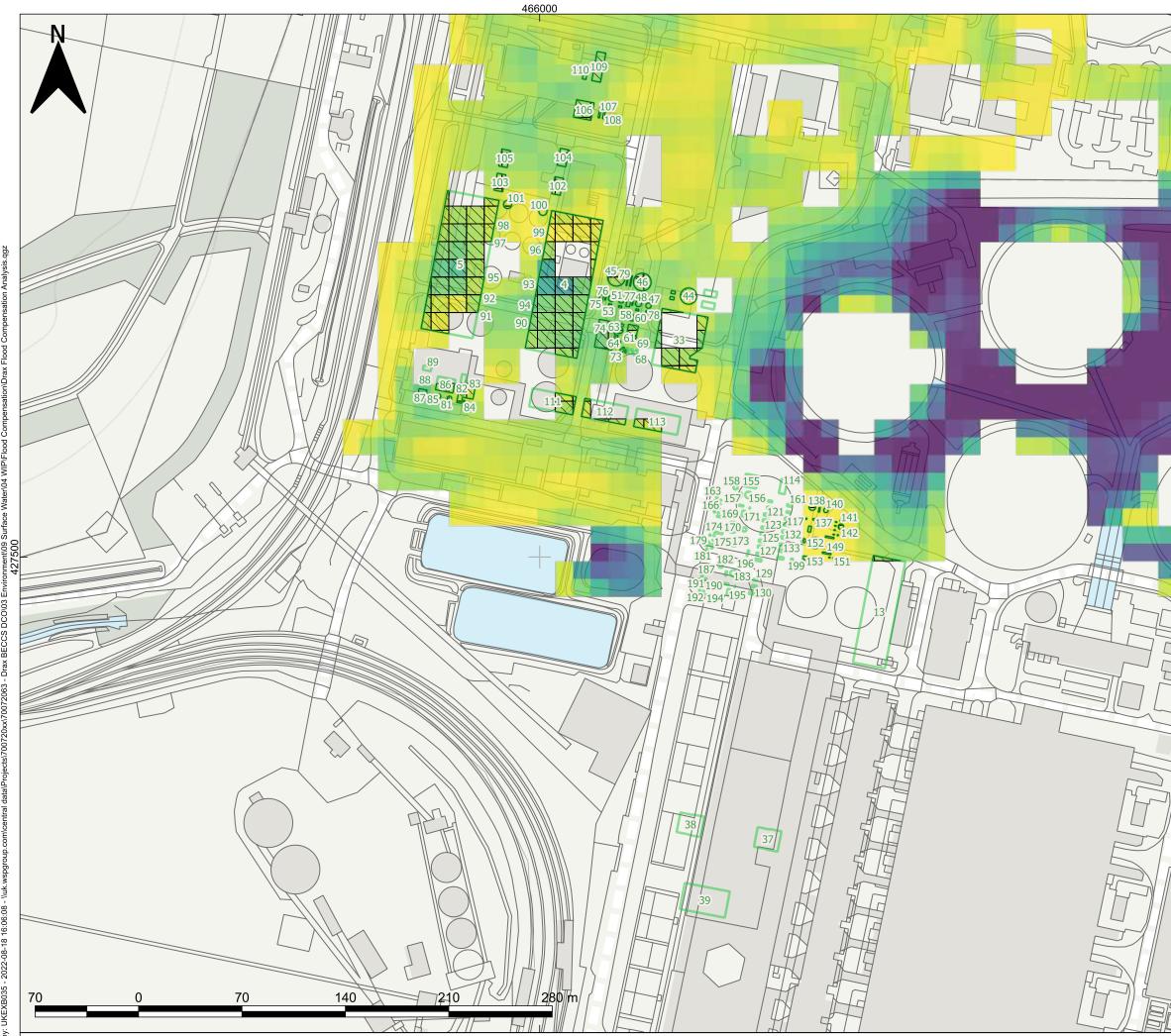
PINS Reference: EN010120



REVISION: 04<u>2</u> DATE: <u>DecemberMay</u> 2022 DOCUMENT OWNER: WSP UK Limited AUTHOR: A. Wilks-Daly / E. Szostak APPROVER: A. Smith PUBLIC **APPENDIX M – FLOODPLAIN COMPENSATION ANALYSIS**



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PHOTOS OF PROPOSED COMPENSATION AREA



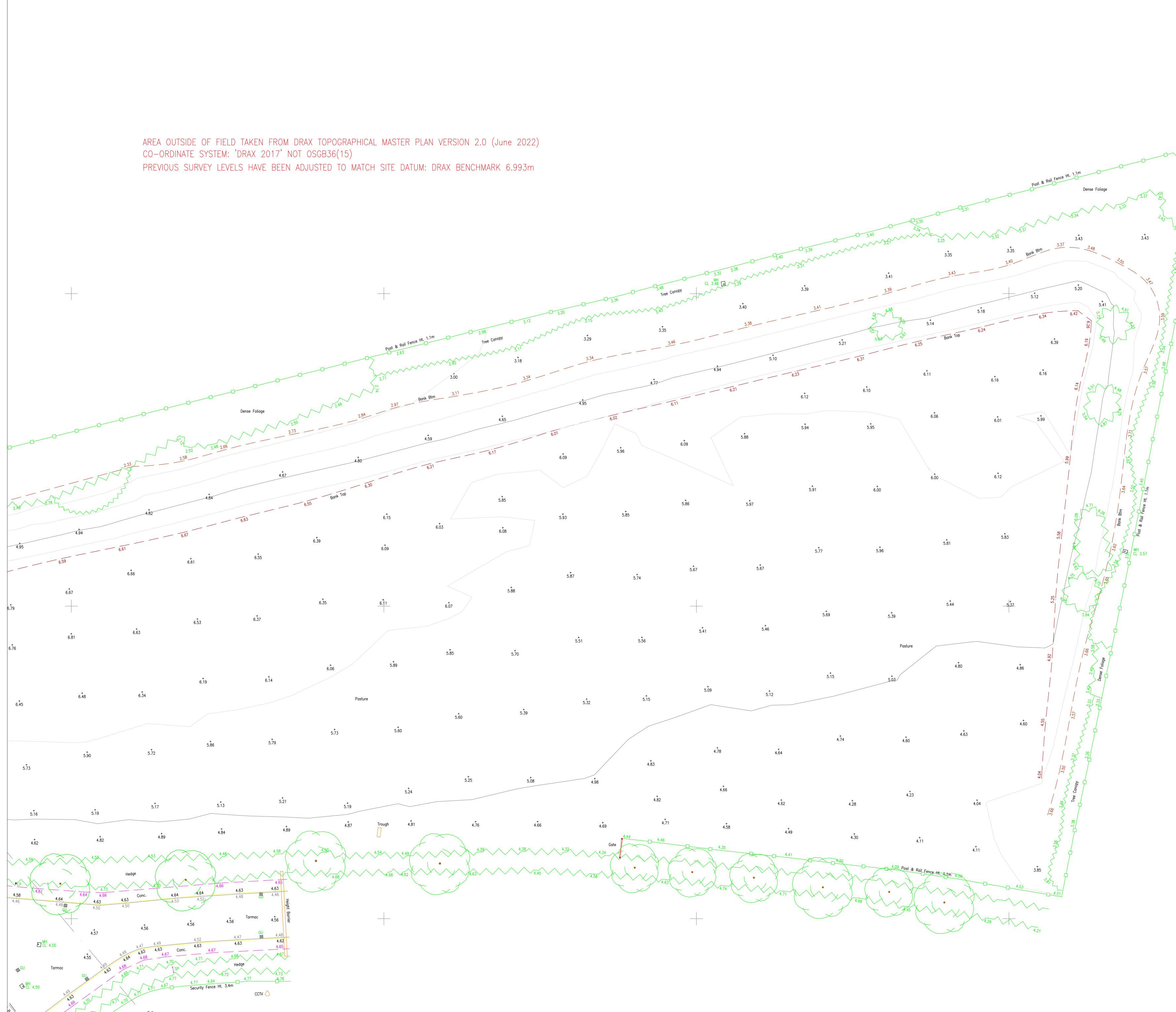


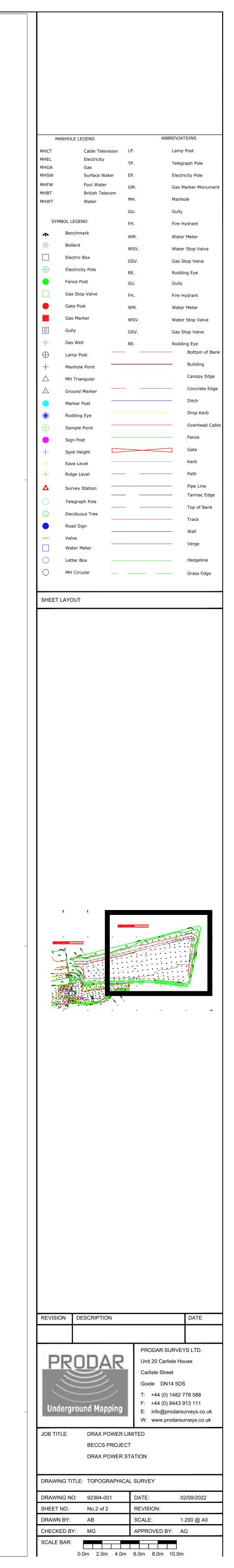


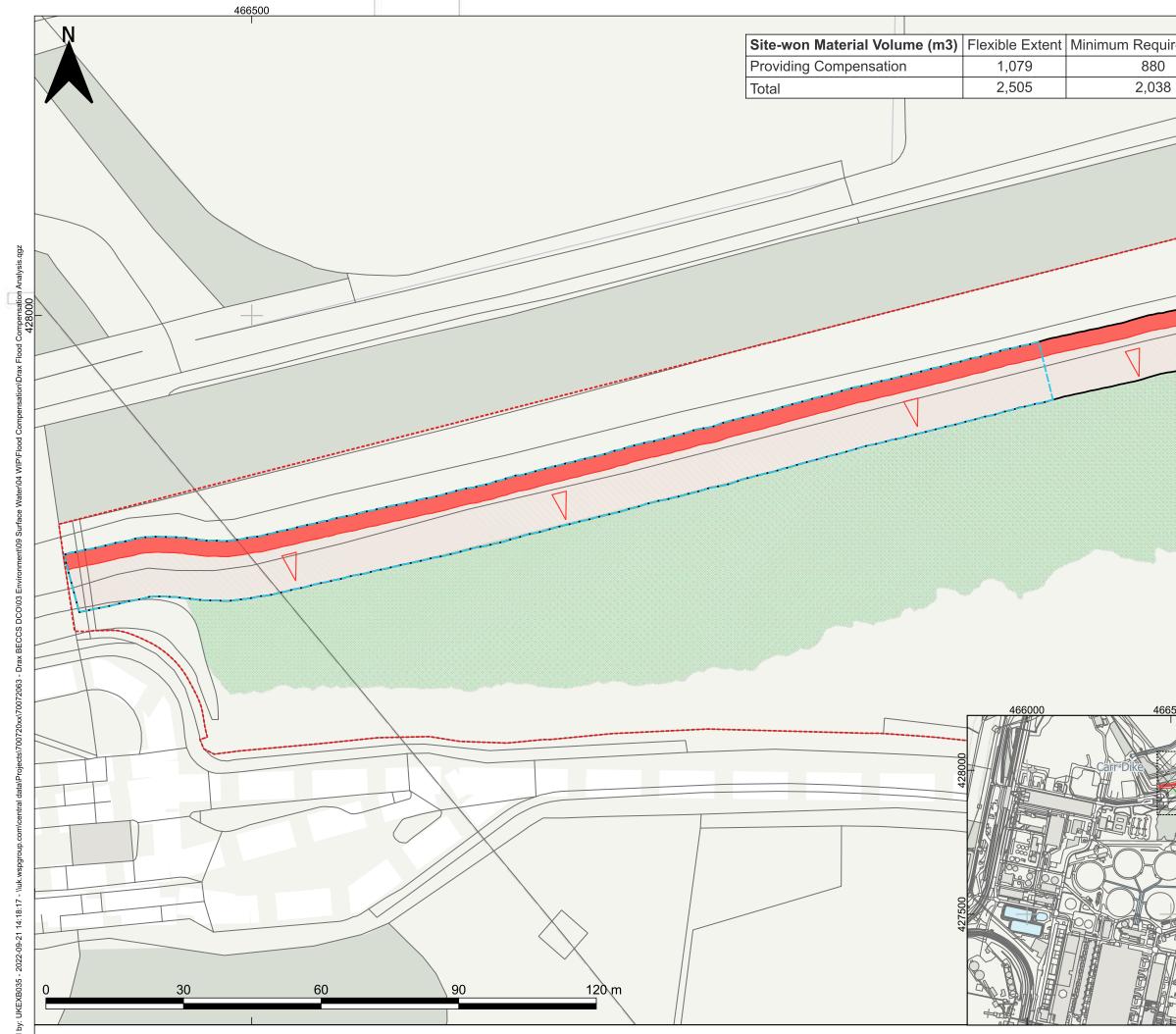
MA	NHOLE LEGEND	ABBREVIATIONS				
ICT	Cable Television	LP.	Lamp Post			
iel Iga	Electricity Gas	TP.	Telegraph Pole			
ISW	Surface Water	EP.	Electricity Pole			
IFW	Foul Water	GM.	Gas Marker Monument			
IBT IWT	British Telecom Water	MH.	Manhole			
		GU.	Gully			
SYMI	BOL LEGEND	FH.	Fire Hydrant			
N	Benchmark	WM.	Water Meter			
	Bollard	WSV.	Water Stop Valve			
	Electric Box	GSV.	Gas Stop Valve			
Ð	Electricity Pole	RE.	Rodding Eye			
	Fence Post	GU.	Gully			
	Gas Stop Valve	FH.	Fire Hydrant			
	Gate Post	WM.	Water Meter			
<u>.</u>	Gas Marker	WSV.	Water Stop Valve			
=	Gully	GSV.	Gas Stop Valve			
≻	Gas Well	RE.	Rodding Eye			
Ð	Lamp Post		Bottom of Bank			
┝	Manhole Point		Building			
7	MH Triangular		Canopy Edge			
7	Ground Marker		Concrete Edge			
	Marker Post		Ditch			
	Rodding Eye		Drop Kerb			
	Sample Point		Overhead Cable			
	Sign Post		Fence			
-	Spot Height		Gate			
	Eave Level		Kerb			
-	Ridge Level		Path			
7	Survey Station		Pipe Line			
$\mathbf{)}$	Telegraph Pole		——— Tarmac Edge			
3	Deciduous Tree		Top of Bank			
•	Road Sign		Track			
4	Valve		Wall			
	Water Meter		Verge			
\mathbf{C}	Letter Box		Hedgeline			
\supset	MH Circular		Grass Edge			
	LAYOUT					

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	1 in 4
Cut material to	~1.5m Height
~2.4m	5.35m AOD - Lowest DTM beneath proposed buildings.
Cut material providing Flood Compensation.	4.36m AOD - Highest Flood Level in FT2 Scenario.
Existing ground elevation.	-21m
INDICATIVE COMPENSATIO	

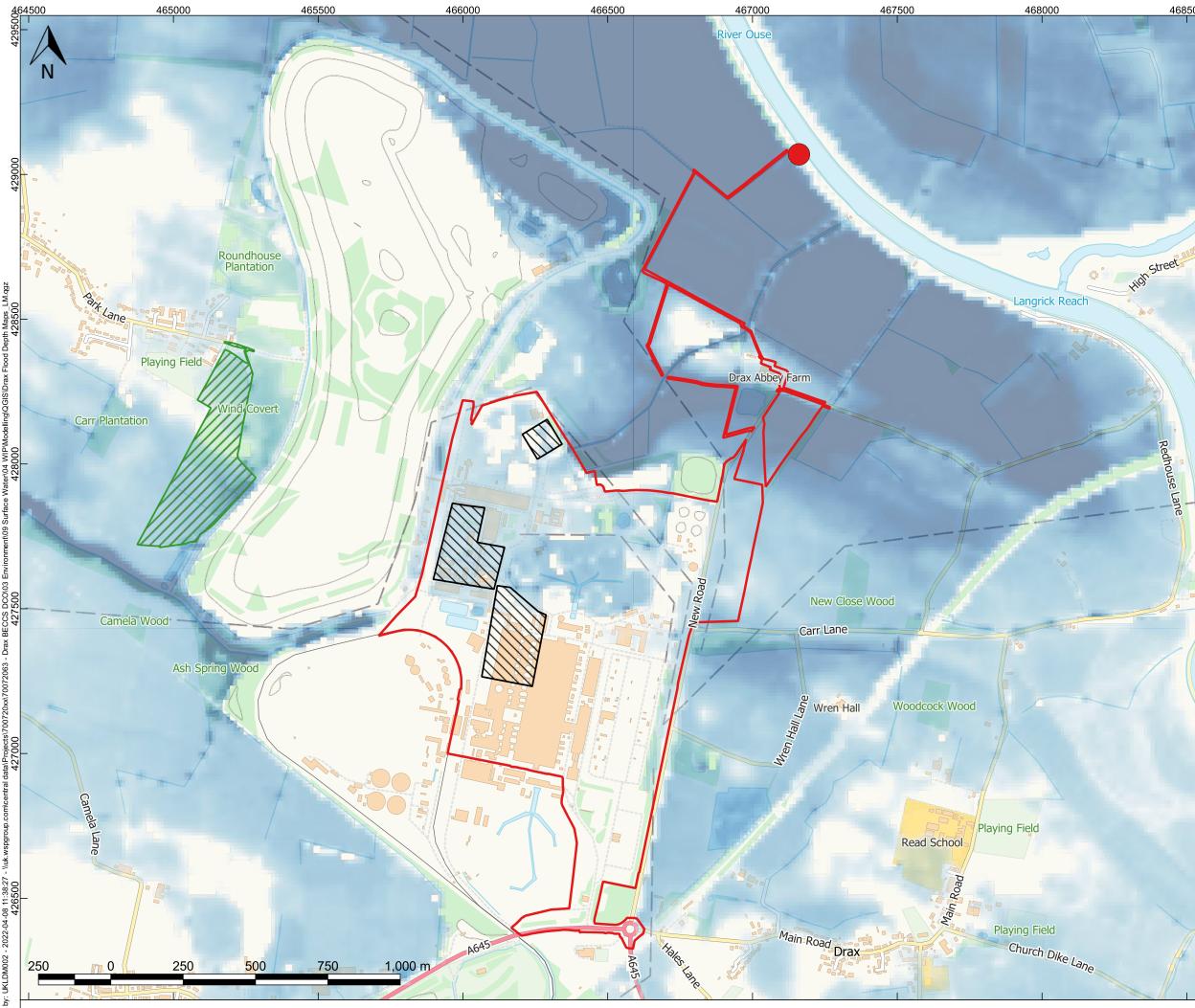
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APPENDIX N – 60 YEAR DESIGN LIFE FLOOD LEVELS

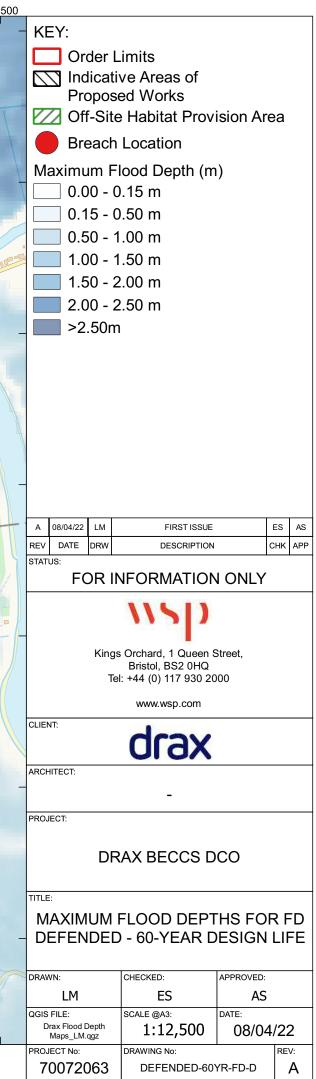
60 Year Design life flood levels

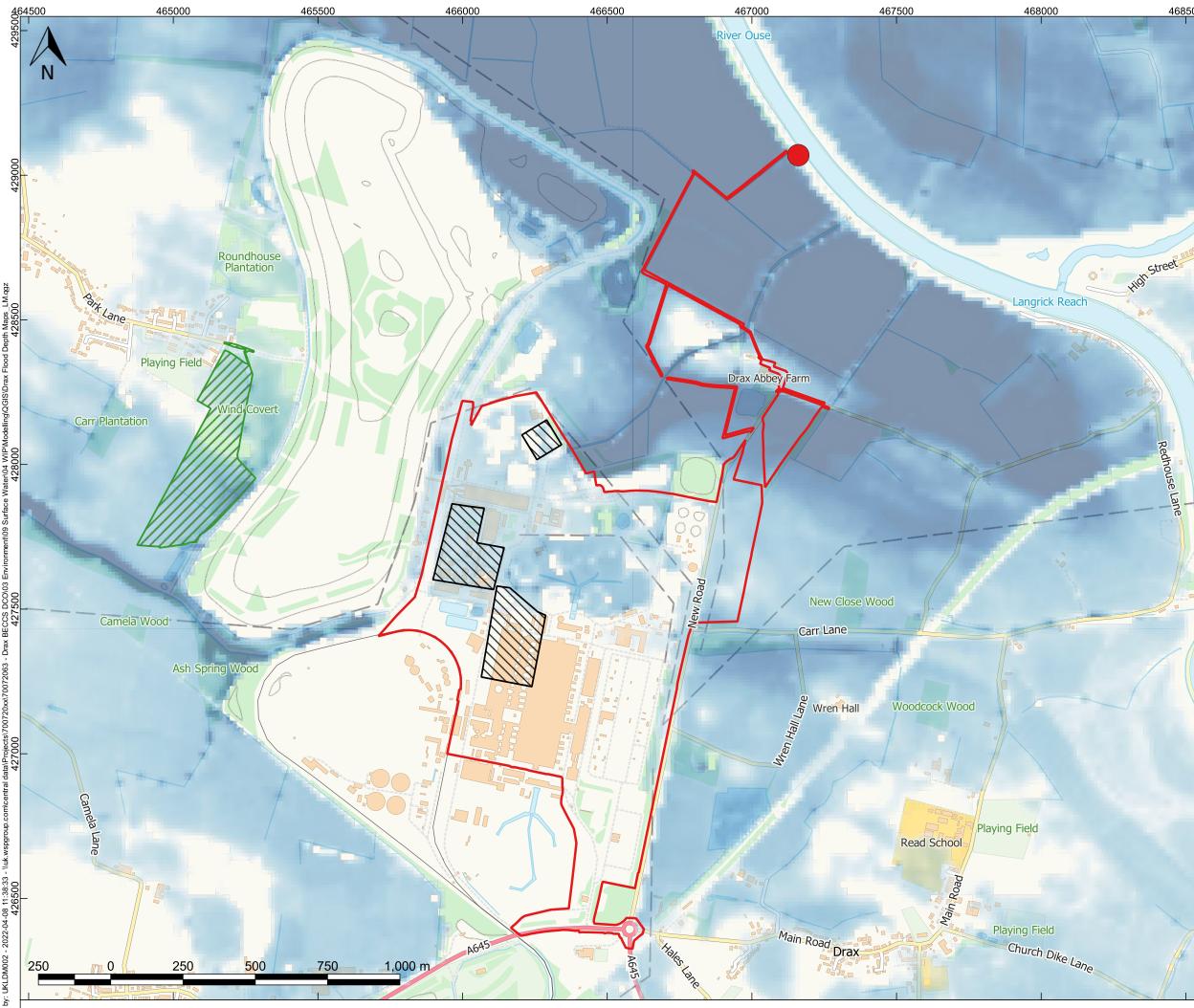
Building Reference	FD	FT1	FT5	T Min Freeboard/flood depth (n design level (mAOD) based on 2046 design					(m)
	Modelle	ed 60yr des (mA	sign life flo AOD)	od levels	event FT2	FD	FT1	FT5	Т
1 East	0.00	0.00	0.00	0.00	6.58	0.3m above ground level			el
1 West	0.00	0.00	0.00	0.00	6.20	0	.3m above	ground lev	el
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			el
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			





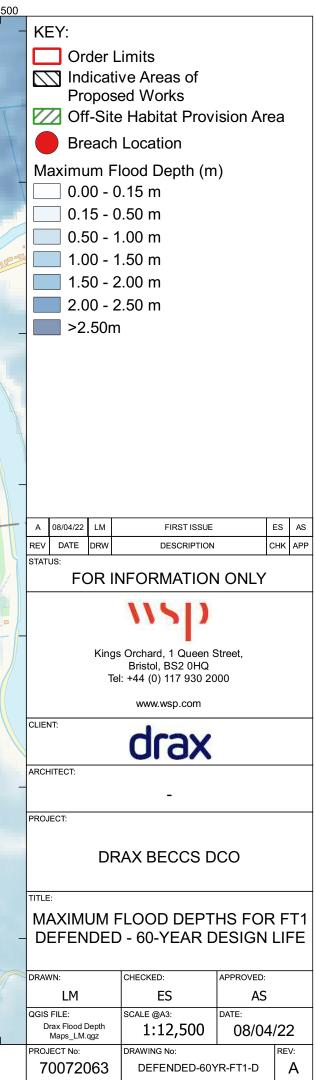
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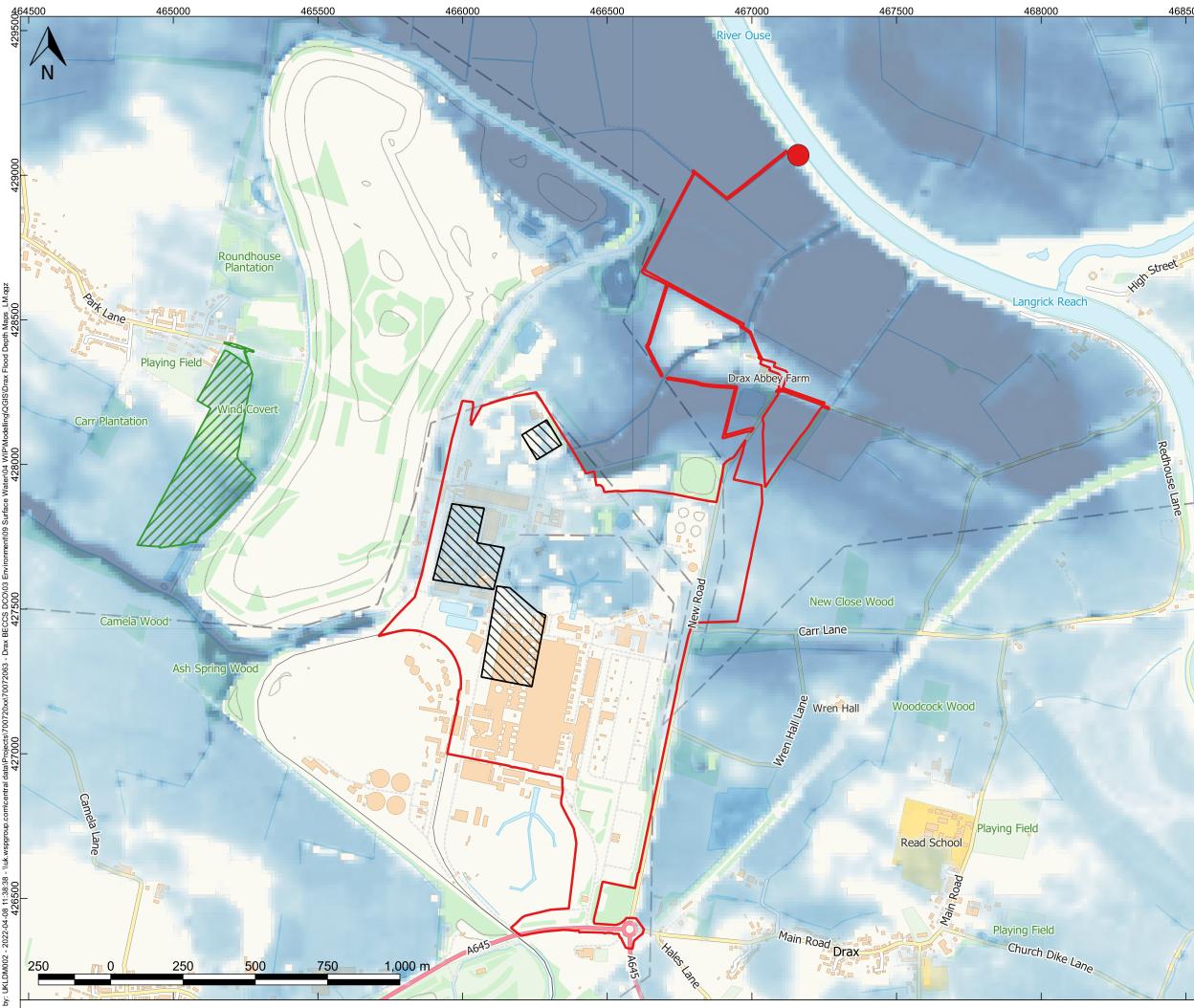






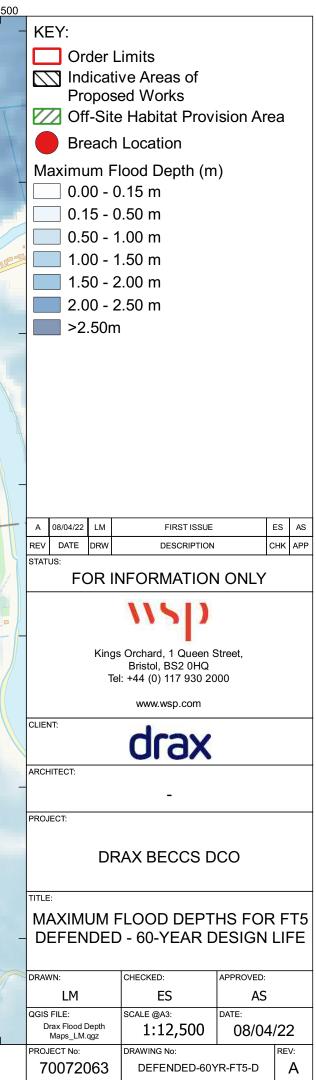
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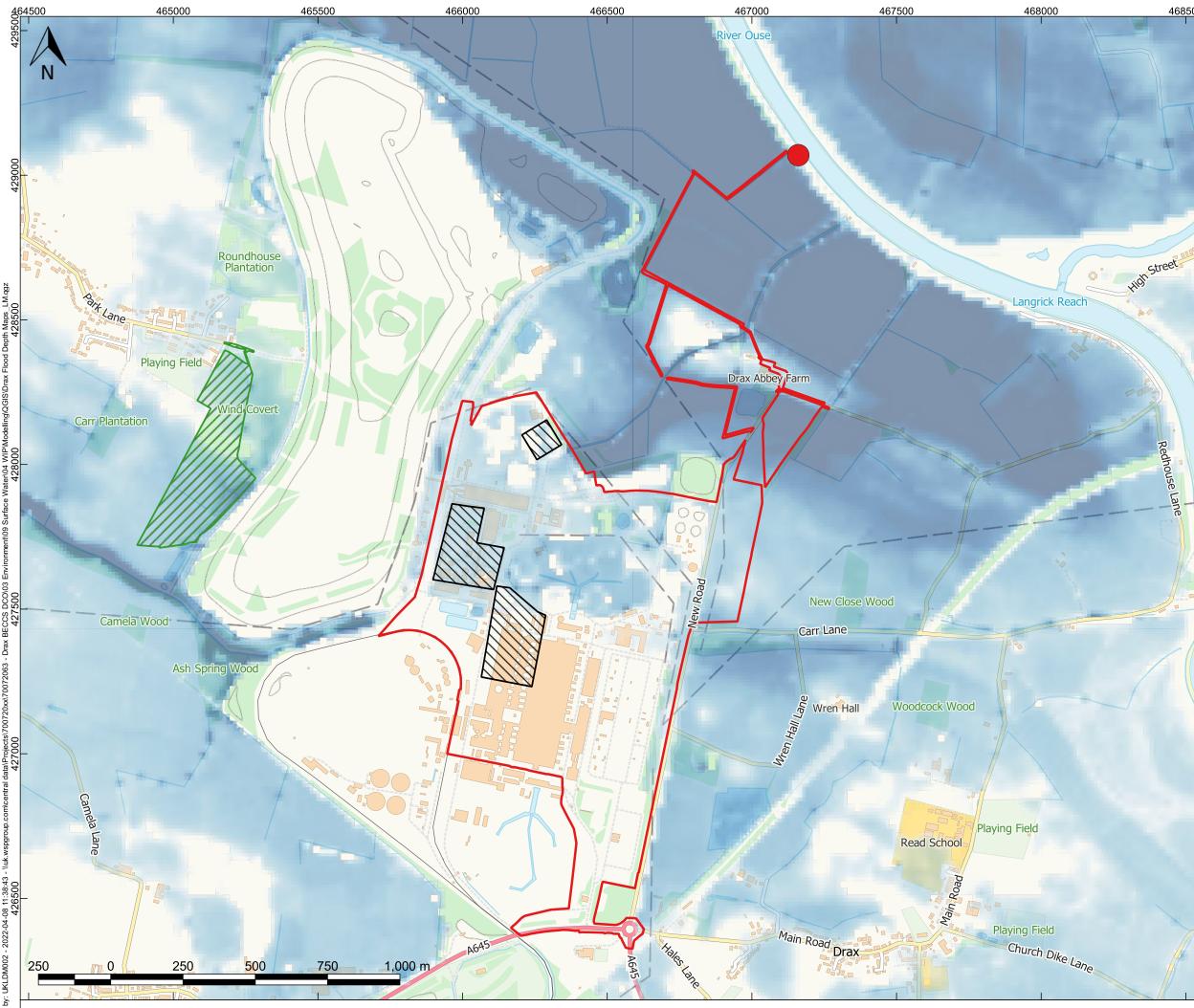






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