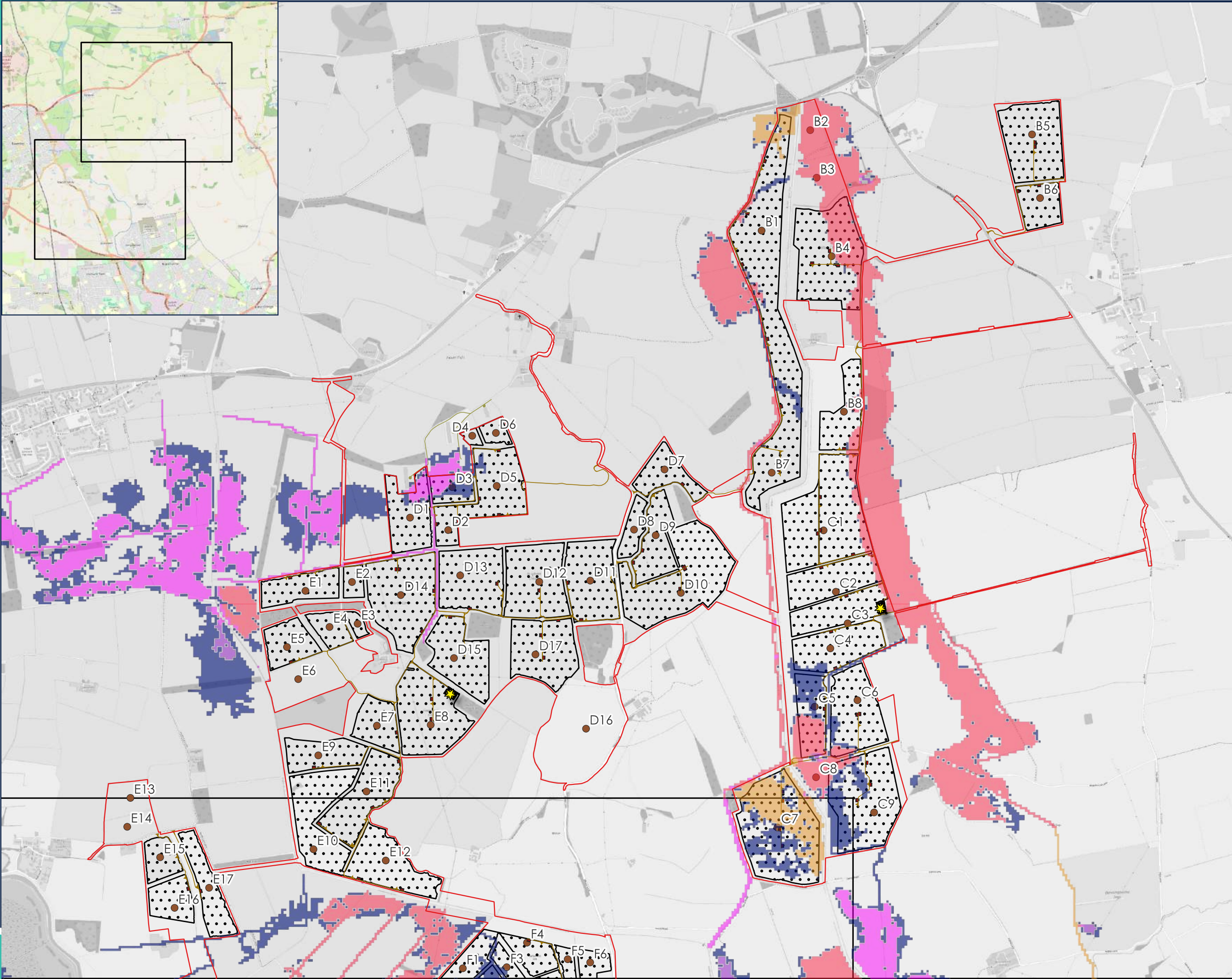
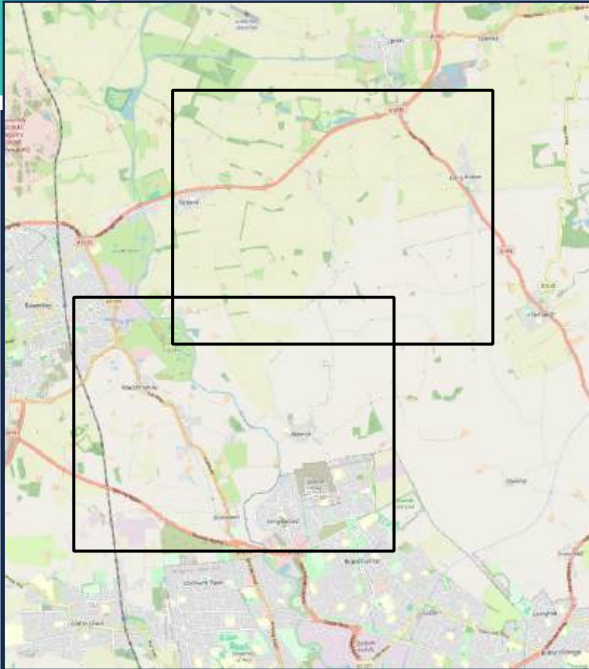




Legend

- Order Limits
- Generation Areas
- Parcel Names
- Substations
- Hybrid Inverters Polygon
- Switch Gear
- Spares Container
- Level Increase (m)
- < -0.25
- 0.25 to -0.15
- 0.15 to -0.1
- 0.1 to -0.005
- 0.005 to 0.005
- 0.005 to 0.1
- 0.1 to 0.15
- 0.15 to 0.25
- > 0.25
- Was wet now dry
- Was dry now wet

03	FOURTH ISSUE	CF	19.11.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Flow Sensitivity
Sheet 1 of 2



SCALE AT A3: 1:20,000	DATE: 10.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-235	REVISION: 03	



Legend

- Order Limits
- Generation Areas
- Parcel Names
- Substations
- Hybrid Inverters Polygon
- Switch Gear
- Spares Container
- Level Increase (m)
 - < -0.25
 - 0.25 to -0.15
 - 0.15 to -0.1
 - 0.1 to -0.005
 - 0.005 to 0.005
 - 0.005 to 0.1
 - 0.1 to 0.15
 - 0.15 to 0.25
 - > 0.25
- Was wet now dry
- Was dry now wet

03	FOURTH ISSUE	CF	19.11.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Flow Sensitivity
Sheet 2 of 2



SCALE AT A3: 1:20,000	DATE: 10.07.2025	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-236	REVISION: 03	

Calibro Consultants Ltd		Page 1
Whitefriars Bristol BS1 2NT	20-206 Creyke Beck Solar Farm Substation Compounds 1 in 100 yr + 25% cc	
Date 10/07/2025	Designed by CF	
File 20-206-Substation Compound Grav...	Checked by PG	
XP Solutions	Source Control 2020.1	

Summary of Results for 100 year Return Period (+25%)

Half Drain Time : 66 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	0.099	0.099	0.0	0.9	0.9	3.5	Flood Risk
30 min Summer	0.120	0.120	0.0	0.9	0.9	4.5	Flood Risk
60 min Summer	0.134	0.134	0.0	0.9	0.9	5.2	Flood Risk
120 min Summer	0.126	0.126	0.0	0.9	0.9	4.8	Flood Risk
180 min Summer	0.116	0.116	0.0	0.9	0.9	4.3	Flood Risk
240 min Summer	0.106	0.106	0.0	0.9	0.9	3.8	Flood Risk
360 min Summer	0.088	0.088	0.0	0.9	0.9	3.0	Flood Risk
480 min Summer	0.075	0.075	0.0	0.9	0.9	2.3	Flood Risk
600 min Summer	0.067	0.067	0.0	0.8	0.8	1.9	Flood Risk
720 min Summer	0.061	0.061	0.0	0.8	0.8	1.7	Flood Risk
960 min Summer	0.053	0.053	0.0	0.7	0.7	1.3	Flood Risk
1440 min Summer	0.043	0.043	0.0	0.5	0.5	0.8	Flood Risk
2160 min Summer	0.036	0.036	0.0	0.4	0.4	0.6	Flood Risk
2880 min Summer	0.031	0.031	0.0	0.3	0.3	0.4	Flood Risk
4320 min Summer	0.026	0.026	0.0	0.2	0.2	0.3	Flood Risk
5760 min Summer	0.023	0.023	0.0	0.2	0.2	0.2	Flood Risk
7200 min Summer	0.021	0.021	0.0	0.2	0.2	0.2	Flood Risk
8640 min Summer	0.019	0.019	0.0	0.1	0.1	0.2	Flood Risk
10080 min Summer	0.018	0.018	0.0	0.1	0.1	0.1	Flood Risk
15 min Winter	0.110	0.110	0.0	0.9	0.9	4.0	Flood Risk
30 min Winter	0.135	0.135	0.0	0.9	0.9	5.2	Flood Risk
60 min Winter	0.152	0.152	0.0	0.9	0.9	6.0	Flood Risk

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
15 min Summer	160.247	0.0	4.0	17
30 min Summer	105.321	0.0	5.5	31
60 min Summer	66.134	0.0	7.1	54
120 min Summer	37.093	0.0	8.1	84
180 min Summer	26.337	0.0	8.6	118
240 min Summer	20.630	0.0	9.0	150
360 min Summer	14.607	0.0	9.6	214
480 min Summer	11.431	0.0	10.0	272
600 min Summer	9.454	0.0	10.3	330
720 min Summer	8.099	0.0	10.6	390
960 min Summer	6.353	0.0	11.1	510
1440 min Summer	4.524	0.0	11.7	740
2160 min Summer	3.240	0.0	12.5	1104
2880 min Summer	2.566	0.0	13.0	1468
4320 min Summer	1.858	0.0	13.8	2200
5760 min Summer	1.484	0.0	14.4	2936
7200 min Summer	1.249	0.0	14.8	3608
8640 min Summer	1.087	0.0	15.1	4400
10080 min Summer	0.968	0.0	15.3	5088
15 min Winter	160.247	0.0	4.6	17
30 min Winter	105.321	0.0	6.3	31
60 min Winter	66.134	0.0	8.1	58

Calibro Consultants Ltd		Page 2
Whitefriars Bristol BS1 2NT	20-206 Creyke Beck Solar Farm Substation Compounds 1 in 100 yr + 25% cc	
Date 10/07/2025	Designed by CF	
File 20-206-Substation Compound Grav...	Checked by PG	
XP Solutions	Source Control 2020.1	

Summary of Results for 100 year Return Period (+25%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Control (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
120 min Winter	0.139	0.139	0.0	0.9	0.9	5.4	Flood Risk
180 min Winter	0.124	0.124	0.0	0.9	0.9	4.7	Flood Risk
240 min Winter	0.110	0.110	0.0	0.9	0.9	4.0	Flood Risk
360 min Winter	0.085	0.085	0.0	0.9	0.9	2.8	Flood Risk
480 min Winter	0.069	0.069	0.0	0.9	0.9	2.0	Flood Risk
600 min Winter	0.060	0.060	0.0	0.8	0.8	1.6	Flood Risk
720 min Winter	0.054	0.054	0.0	0.7	0.7	1.3	Flood Risk
960 min Winter	0.045	0.045	0.0	0.6	0.6	0.9	Flood Risk
1440 min Winter	0.036	0.036	0.0	0.4	0.4	0.6	Flood Risk
2160 min Winter	0.030	0.030	0.0	0.3	0.3	0.4	Flood Risk
2880 min Winter	0.026	0.026	0.0	0.2	0.2	0.3	Flood Risk
4320 min Winter	0.022	0.022	0.0	0.2	0.2	0.2	Flood Risk
5760 min Winter	0.019	0.019	0.0	0.1	0.1	0.2	Flood Risk
7200 min Winter	0.017	0.017	0.0	0.1	0.1	0.1	Flood Risk
8640 min Winter	0.016	0.016	0.0	0.1	0.1	0.1	Flood Risk
10080 min Winter	0.015	0.015	0.0	0.1	0.1	0.1	Flood Risk

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)
120 min Winter	37.093	0.0	9.1	92
180 min Winter	26.337	0.0	9.8	128
240 min Winter	20.630	0.0	10.2	162
360 min Winter	14.607	0.0	10.9	224
480 min Winter	11.431	0.0	11.3	280
600 min Winter	9.454	0.0	11.7	340
720 min Winter	8.099	0.0	12.0	398
960 min Winter	6.353	0.0	12.5	510
1440 min Winter	4.524	0.0	13.3	750
2160 min Winter	3.240	0.0	14.2	1100
2880 min Winter	2.566	0.0	14.8	1460
4320 min Winter	1.858	0.0	15.7	2136
5760 min Winter	1.484	0.0	16.4	3000
7200 min Winter	1.249	0.0	17.0	3496
8640 min Winter	1.087	0.0	17.4	4408
10080 min Winter	0.968	0.0	17.7	5160

Calibro Consultants Ltd		Page 3
Whitefriars Bristol BS1 2NT	20-206 Creyke Beck Solar Farm Substation Compounds 1 in 100 yr + 25% cc	
Date 10/07/2025	Designed by CF	
File 20-206-Substation Compound Grav...	Checked by PG	
XP Solutions	Source Control 2020.1	

Rainfall Details

Rainfall Model	FEH	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
FEH Rainfall Version	2013	Cv (Winter)	0.840
Site Location	GB 485890 394120 SK 85890 94120	Shortest Storm (mins)	15
Data Type	Point	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+25

Time Area Diagram

Total Area (ha) 0.016

Time (mins)	Area
From:	To: (ha)

0	4	0.016
---	---	-------

Calibro Consultants Ltd		Page 4
Whitefriars Bristol BS1 2NT	20-206 Creyke Beck Solar Farm Substation Compounds 1 in 100 yr + 25% cc	
Date 10/07/2025	Designed by CF	
File 20-206-Substation Compound Grav...	Checked by PG	
XP Solutions	Source Control 2020.1	

Model Details

Storage is Online Cover Level (m) 0.300

Porous Car Park Structure

Infiltration Coefficient Base (m/hr)	0.00000	Width (m)	10.0
Membrane Percolation (mm/hr)	1000	Length (m)	16.1
Max Percolation (l/s)	44.7	Slope (1:X)	300.0
Safety Factor	5.0	Depression Storage (mm)	5
Porosity	0.30	Evaporation (mm/day)	3
Invert Level (m)	0.000	Membrane Depth (m)	0

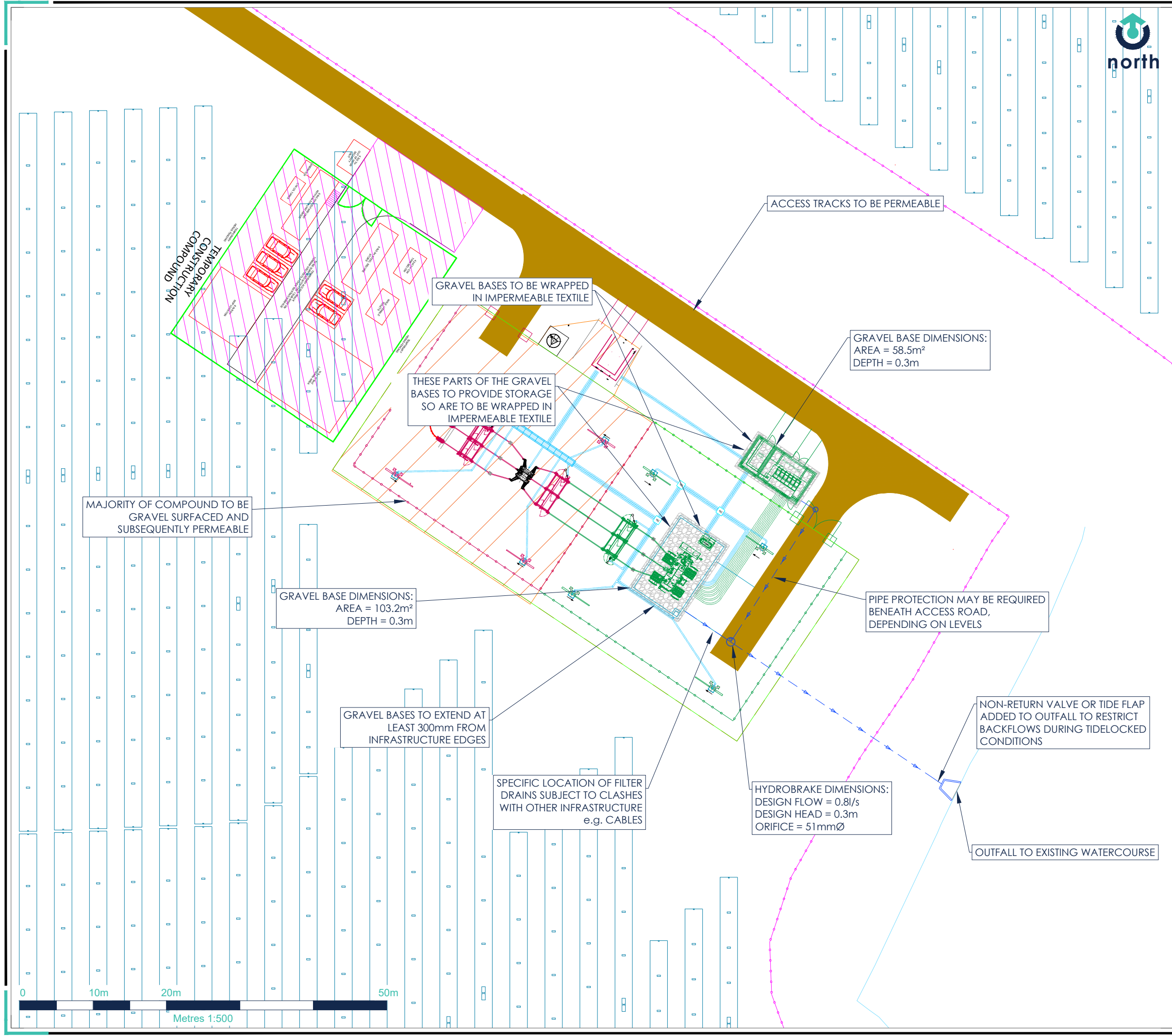
Hydro-Brake® Optimum Outflow Control

Unit Reference	MD-SHE-0054-9000-0300-9000		
Design Head (m)	0.300		
Design Flow (l/s)	0.9		
Flush-Flo™	Calculated		
Objective	Minimise upstream storage		
Application	Surface		
Sump Available	Yes		
Diameter (mm)	54		
Invert Level (m)	0.000		
Minimum Outlet Pipe Diameter (mm)	75		
Suggested Manhole Diameter (mm)	1200		

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.300	0.9	Kick-Flo®	0.212	0.8
Flush-Flo™	0.087	0.9	Mean Flow over Head Range	-	0.7

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	0.9	0.800	1.4	2.000	2.1	4.000	2.9	7.000	3.9
0.200	0.8	1.000	1.5	2.200	2.2	4.500	3.1	7.500	4.0
0.300	0.9	1.200	1.7	2.400	2.3	5.000	3.3	8.000	4.2
0.400	1.0	1.400	1.8	2.600	2.4	5.500	3.4	8.500	4.3
0.500	1.1	1.600	1.9	3.000	2.5	6.000	3.6	9.000	4.4
0.600	1.2	1.800	2.0	3.500	2.7	6.500	3.7	9.500	4.5



LEGEND

- PROPOSED GRAVEL BASE STORAGE AREAS
- PROPOSED PIPES
- INSPECTION CHAMBERS
- HYDROBRAKE OR SIMILAR APPROVED
- PROPOSED OUTFALL TO DITCH

- NOTES:**
1. ALL LEVELS AND PRECISE LOCATIONS SUBJECT TO SITE SETTING OUT
 2. DO NOT SCALE FROM THIS DRAWING
 3. FOR INFORMATION ONLY. NOT TO BE USED FOR CONSTRUCTION
 4. DRAINAGE STRATEGY SHOULD BE REVISED IF LAYOUT IS AMENDED
 5. PROPOSED PIPES TO HAVE CONCRETE PROTECTION WHERE NECESSARY
 6. PROPOSED PIPE LEVELS AND OUTFALL LEVELS ARE SUBJECT TO CONFIRMATION OF NORMAL WATER LEVELS

02	CONTRIBUTION AND STORAGE AREAS UPDATED	CF	PG	11/07/25
01	CONTRIBUTION AND STORAGE AREAS UPDATED	CF	PG	04/06/24
00	FIRST ISSUE	CF	PG	02/05/24
REV:	DESCRIPTION:	BY:	CHK:	DATE:

STATUS: FOR PLANNING

CLIENT: RWE RENEWABLES UK
SOLAR AND STORAGE LTD

SITE: PEARTREE HILL SOLAR FARM

TITLE: SUBSTATION COMPOUND
WEST DRAINAGE STRATEGY



SCALE: 1:500 @ A3		DATE: 02/05/2024		DRAWN: CF		CHECKED: PG	
PROJECT: 20-206	COMPANY: CAL	TYPE: DR	DRAWING NO: 60-500	SHEET NO: 00	REVISION: 02		

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LEGEND



PROPOSED GRAVEL BASE STORAGE AREAS



PROPOSED PIPES



INSPECTION CHAMBERS



HYDROBRAKE OR SIMILAR APPROVED



PROPOSED OUTFALL TO DITCH

NOTES:

1. ALL LEVELS AND PRECISE LOCATIONS SUBJECT TO SITE SETTING OUT
2. DO NOT SCALE FROM THIS DRAWING
3. FOR INFORMATION ONLY. NOT TO BE USED FOR CONSTRUCTION
4. DRAINAGE STRATEGY SHOULD BE REVISED IF LAYOUT IS AMENDED
5. PROPOSED PIPES TO HAVE CONCRETE PROTECTION WHERE NECESSARY
6. PROPOSED PIPE LEVELS AND OUTFALL LEVELS ARE SUBJECT TO CONFIRMATION OF NORMAL WATER LEVELS

02	CONTRIBUTION AND STORAGE AREAS UPDATED	CF	PG	11/07/25
01	CONTRIBUTION AND STORAGE AREAS UPDATED	CF	PG	04/06/24
00	FIRST ISSUE	CF	PG	02/05/24
REV:	DESCRIPTION:	BY:	CHK:	DATE:

STATUS: FOR PLANNING

CLIENT: RWE RENEWABLES UK
SOLAR AND STORAGE LTD

SITE: PEARTREE HILL SOLAR FARM

TITLE: SUBSTATION COMPOUND
EAST DRAINAGE STRATEGY



SCALE: 1:500 @ A3	DATE: 02/05/2024	DRAWN: CF	CHECKED: PG
PROJECT: 20-206	COMPANY: CAL	TYPE: DR	DRAWING NO: 60-501
SHEET NO: 00	REVISION: 02		

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MAJORITY OF COMPOUND TO BE
GRAVEL SURFACED AND
SUBSEQUENTLY PERMEABLE

THESE PARTS OF THE GRAVEL
BASES TO PROVIDE STORAGE
SO ARE TO BE WRAPPED IN
IMPERMEABLE TEXTILE

GRAVEL BASE DIMENSIONS:
AREA = 103.2m²
DEPTH = 0.3m

GRAVEL BASES TO EXTEND AT
LEAST 300mm FROM
INFRASTRUCTURE EDGES

SPECIFIC LOCATION OF FILTER
DRAINS SUBJECT TO CLASHES
WITH OTHER INFRASTRUCTURE
e.g. CABLES

ACCESS TRACKS TO BE PERMEABLE

GRAVEL BASE DIMENSIONS:
AREA = 58.5m²
DEPTH = 0.3m

NON-RETURN VALVE OR TIDE FLAP
ADDED TO OUTFALL TO RESTRICT
BACKFLOWS DURING TIDELOCKED
CONDITIONS

OUTFALL TO EXISTING WATERCOURSE

PIPE PROTECTION MAY BE REQUIRED
BENEATH ACCESS ROAD,
DEPENDING ON LEVELS

HYDROBRAKE DIMENSIONS:
DESIGN FLOW = 0.8l/s
DESIGN HEAD = 0.3m
ORIFICE = 51mmØ



Metres 1:500



Legend

Order Limits 

Land Areas 

Levels (mAOD)

<= 1.2 

1.2 - 1.3 

1.3 - 1.4 

1.4 - 1.5 

1.5 - 1.6 

1.6 - 1.7 

1.7 - 1.8 

1.8 - 1.9 

1.9 - 2.0 

2.0 - 2.1 

2.1 - 2.2 

> 2.2 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas B1 - B4



SCALE AT A3: 1:5000	DATE: 22.09.2025	DRAWN: KF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-600	REVISION: -	

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Legend

- Order Limits
- Land Areas
- Levels (mAOD)
- ≤ 1.2
 - 1.2 - 1.3
 - 1.3 - 1.4
 - 1.4 - 1.5
 - 1.5 - 1.6
 - 1.6 - 1.7
 - 1.7 - 1.8
 - 1.8 - 1.9
 - 1.9 - 2.0
 - 2.0 - 2.1
 - 2.1 - 2.2
 - > 2.2
- 0.1m Contour

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas B7 & B8



SCALE AT A3: 1:5000	DATE: 22.09.2025	DRAWN: KF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-601	REVISION: -	

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B7

C1

C2

C3

C4

Legend

Order Limits 

Land Areas 

Levels (mAOD)

<= 1.3 

1.3 - 1.4 

1.4 - 1.5 

1.5 - 1.6 

1.6 - 1.7 

1.7 - 1.8 

1.8 - 1.9 

1.9 - 2.0 

2.0 - 2.1 

2.1 - 2.2 

2.2 - 2.3 

> 2.3 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

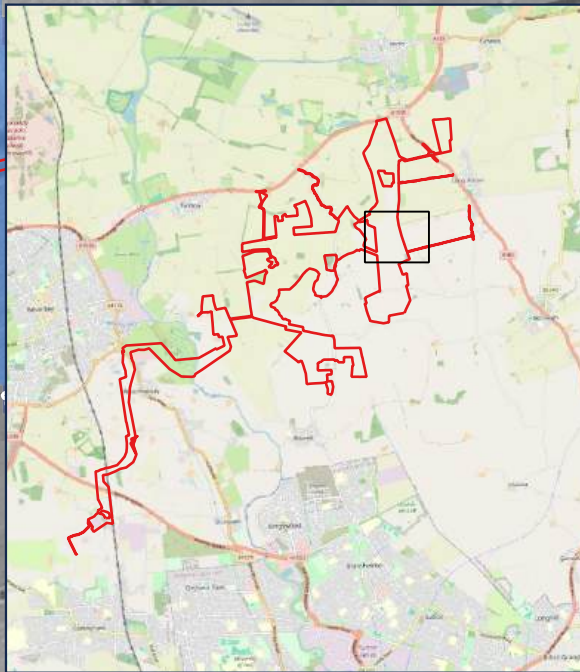
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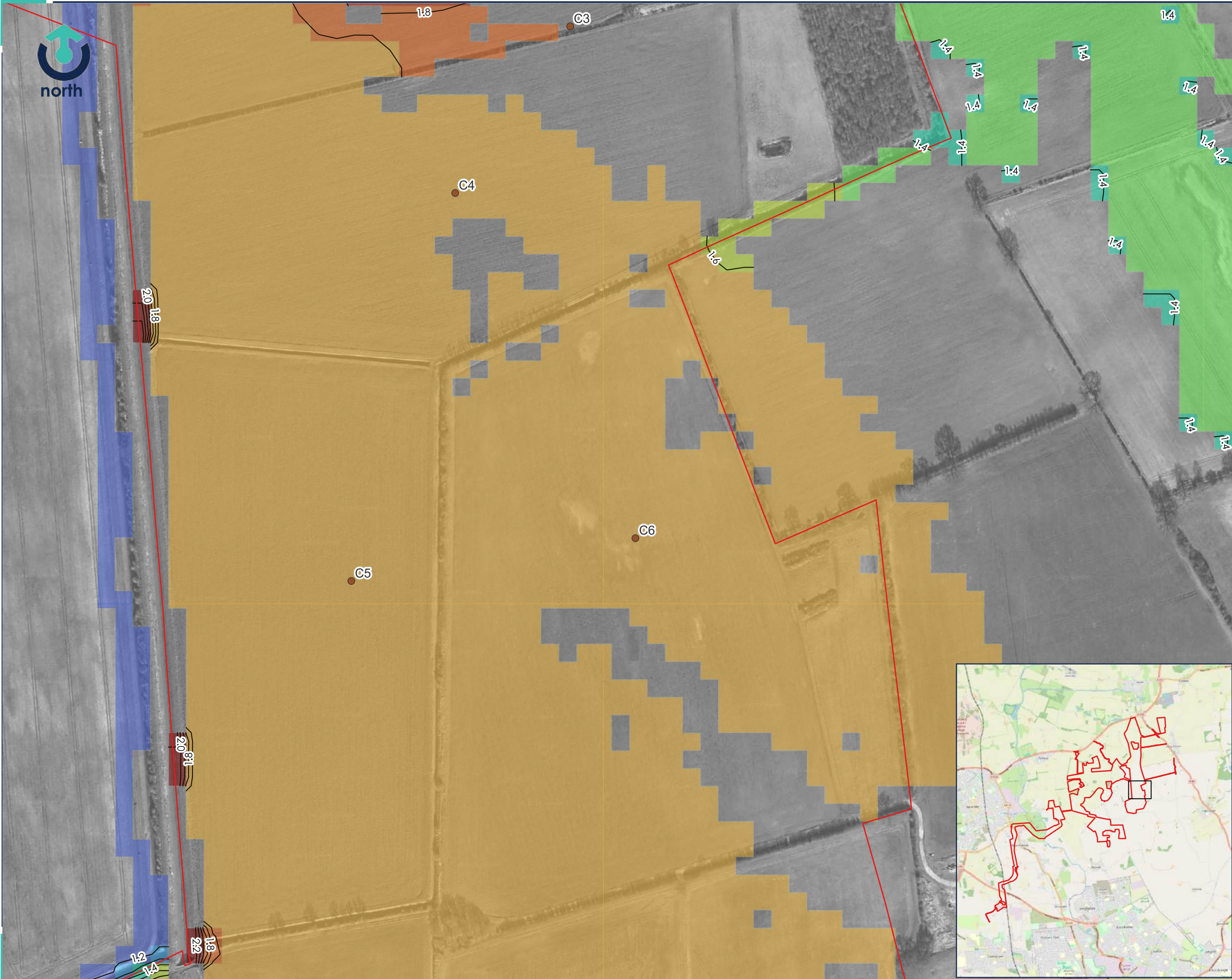
Mitigation Flood Levels
Land Areas C1 - C3



SCALE AT A3: 1:4,000	DATE: 22.09.2025	DRAWN: KF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-602	REVISION: -	

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Legend

- Order Limits 
- Land Areas 
- Levels (mAOD)
-  ≤ 1.1
 -  1.1 - 1.2
 -  1.2 - 1.3
 -  1.3 - 1.4
 -  1.4 - 1.5
 -  1.5 - 1.6
 -  1.6 - 1.7
 -  1.7 - 1.8
 -  1.8 - 1.9
 -  > 1.9
- 0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas C4 - C6



Transport Planning | Flood Risk & Hydrology | Infrastructure & Drainage
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SCALE AT A3: 1:3,000	DATE: 22.09.2025	DRAWN: KF	CHECKED: PG
PROJECT NO: 20-206	DRAWING NO: 60-603	REVISION: -	

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Legend

Order Limits 

Land Areas 

Levels (mAOD)

<= 1.4 

1.4 - 1.5 

1.5 - 1.6 

1.6 - 1.7 

1.7 - 1.8 

1.8 - 1.9 

1.9 - 2.0 

2.0 - 2.1 

2.1 - 2.2 

> 2.2 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas C7 - C9



SCALE AT A3: 1:3,000	DATE: 22.09.2025	DRAWN: KF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-604	REVISION: 01	

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Legend

- Order Limits 
- Land Areas 
- Levels (mAOD)
- ≤ 0.7 
 - 0.7 - 0.8 
 - 0.8 - 0.9 
 - 0.9 - 1.0 
 - 1.0 - 1.1 
 - 1.1 - 1.2 
 - 1.2 - 1.3 
 - 1.3 - 1.4 
 - 1.4 - 1.5 
 - > 1.5 
- 0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS:	FOR INFORMATION
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CLIENT:	RWE
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SITE:	Peartree Hill Solar Farm
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TITLE:	Mitigation Flood Levels Land Areas D1 - D6, D14, E1, E2 & E5
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SCALE AT A3: 1:5,000	DATE: 22.09.2025	DRAWN: KF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-605	REVISION: -	

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Legend

- Order Limits 
- Land Areas 
- Levels (mAOD)
- <= 1.1 
 - 1.1 - 1.2 
 - 1.2 - 1.3 
 - 1.3 - 1.4 
 - 1.4 - 1.5 
 - 1.5 - 1.6 
 - 1.6 - 1.7 
 - 1.7 - 1.8 
 - 1.8 - 1.9 
 - > 1.9 
- 0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
MODELLING. THEY DICTATE THE
MINIMUM LEVEL TO WHICH SENSITIVE
INFRASTRUCTURE AND PANEL EDGES
SHOULD BE RAISED.

-	FIRST ISSUE	KF	22.09.2025
REV:	DESCRIPTION:	BY:	DATE:

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RWE

SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas E7 - E12



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Legend

Order Limits 

Land Areas 

Levels (mAOD)

≤ 2.1 

2.1 - 2.2 

2.2 - 2.3 

2.3 - 2.4 

2.4 - 2.5 

2.5 - 2.6 

2.6 - 2.7 

2.7 - 2.8 

2.8 - 2.9 

> 2.9 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
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REV:	DESCRIPTION:	BY:	DATE:

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SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas E13 & E14



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Legend

Order Limits 

Land Areas 

Levels (mAOD)

<= 1.1 

1.1 - 1.2 

1.2 - 1.3 

1.3 - 1.4 

1.4 - 1.5 

1.5 - 1.6 

1.6 - 1.7 

1.7 - 1.8 

1.8 - 1.9 

> 1.9 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
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SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas E15 - E17



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Legend

Order Limits 

Land Areas 

Levels (mAOD)

<= 1.1 

1.1 - 1.2 

1.2 - 1.3 

1.3 - 1.4 

1.4 - 1.5 

1.5 - 1.6 

1.6 - 1.7 

1.7 - 1.8 

1.8 - 1.9 

> 1.9 

0.1m Contour 

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
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SITE:

Peartree Hill Solar Farm

TITLE:

Mitigation Flood Levels
Land Areas F1 - F4



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F11

F12

F13

Legend

Order Limits

Land Areas

Levels (mAOD)

<= 0.7	
0.7 - 0.8	
0.8 - 0.9	
0.9 - 1.0	
1.0 - 1.1	
1.1 - 1.2	
1.2 - 1.3	
1.3 - 1.4	
1.4 - 1.5	
> 1.5	

0.1m Contour

NOTE:
THE MITIGATION LEVELS ARE THE
MAXIMUM VALUE FROM EITHER THE
DESIGN (100yr +17% DEFENDED) EVENT
+0.3m FREEBOARD OR THE BREACH
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TITLE:

Mitigation Flood Levels
Land Areas F12 - F13

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