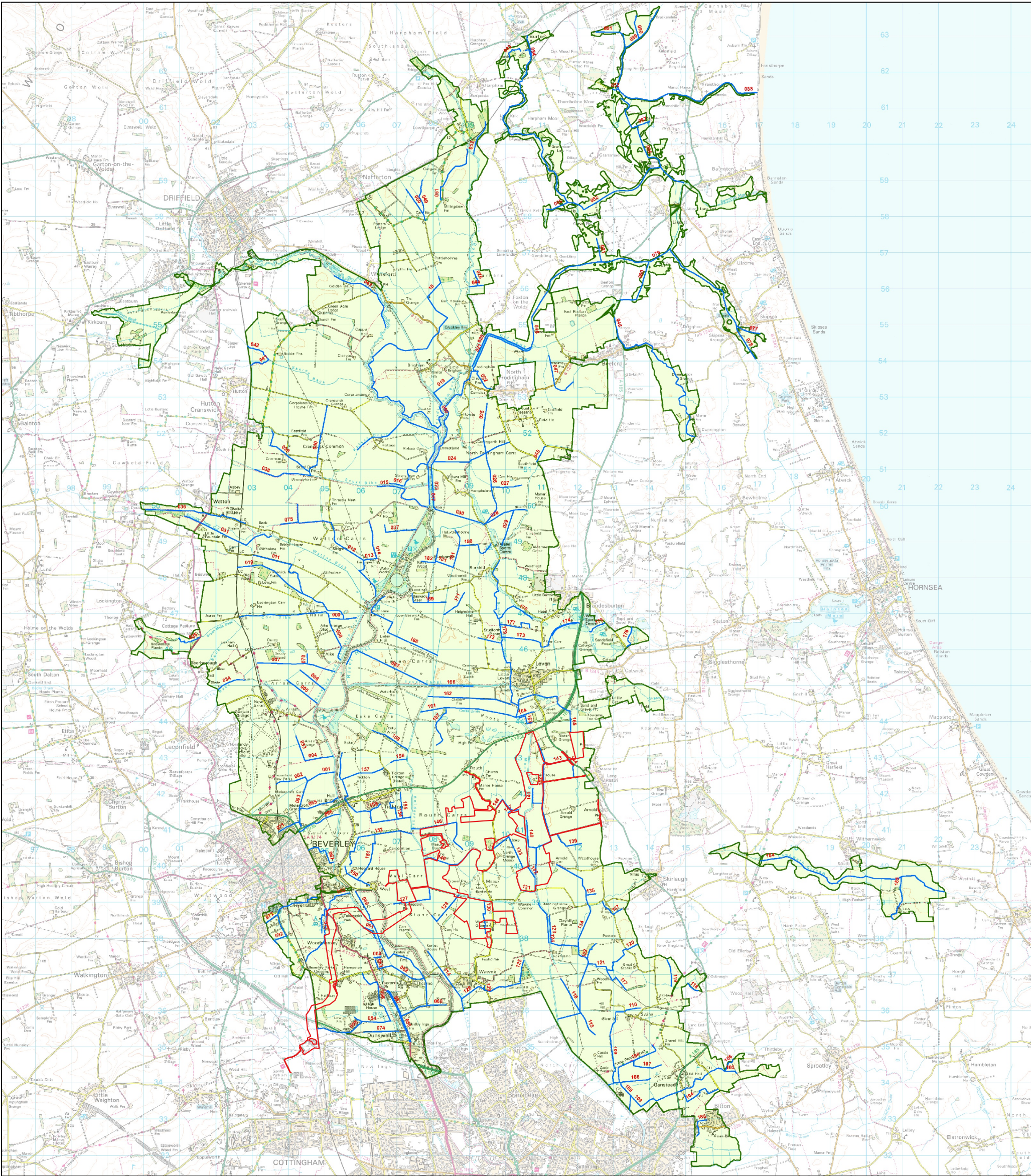


APPENDIX B

Drawings and Calculations

Internal Drainage Board Plan
20-206-60-300-03 - Site Topography
20-206-60-301-02 Recorded Flood Outlines
20-206-60-004-05 Design Event Flood Depths Sheet 1 of 2
20-206-60-005-05 Design Event Flood Depths Sheet 2 of 2
20-206-60-302-03 – Breach Locations and Land Area Names
20-206-60-250-03 Combined Breach Maximum Depths Sheet 1 of 2
20-206-60-251-03 Combined Breach Maximum Depths Sheet 2 of 2
20-206-60-260-~~02-03~~ Maximum Credible Scenario Level Change 1 of 2
20-206-60-261-~~02-03~~ Maximum Credible Scenario Level Change 2 of 2
20-206-60-253-03 Monk Dike Bank Removal West (NB1) 100yr + 17% Maximum Depth
20-206-60-254-03 Monk Dike Bank Removal East (NB2) 100yr + 17% Maximum Depth
20-206-60-309-01 RoFSW 1 in 1,000 yr Depths (1 of 2)
20-206-60-310-01 RoFSW 1 in 1,000 yr Depths (2 of 2)
20-206-60-315-01 1 in 20 year and 1 in 50 year Flood Outlines (Sheet 1 of 2)
20-206-60-316-01 1 in 20 year and 1 in 50 year Flood Outlines (Sheet 2 of 2)
20-206-60-235-02 Flow Sensitivity (Sheet 1 of 2)
20-206-60-236-02 Flow Sensitivity (Sheet 2 of 2)
Microdrainage Source Control Calculations
20-206-60-500-02 – Substation Compound West Drainage Strategy
20-206-60-501-02 – Substation Compound East Drainage Strategy



York Consortium of Drainage Boards

Beverley and North Holderness IDB

Map produced by
York Consortium of Drainage Boards
Derwent House
Crockey Hill
York
YO19 4SR

www.yorkconsort.gov.uk

Legend

- IDB Maintained Watercourse
- IDB Boundary



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Watercourses

BH 1 South Bullock	BH 36 Watton Beck	BH 72 Willow Lane Drain	BH 119 Branch of Kelwell Drain (North)	BH 156 Turf Gutter
BH 2 South Bullock North Branch	BH 37 Decoy House Drain	BH 73 Beverley Park Sewer	BH 120 Kelwell Lowlands Continuation	BH 157 Parting Dike
BH 3 South Bullock South Branch	BH 38 Souff Dike	BH 74 Riley Drain	BH 121 Kelwell Lowlands Drain	BH 158 Esk Plantation
BH 4 North Bullock	BH 39 Holmes Dike	BH 75 Throstlesnest Drain	BH 122 Branch of SB and Arnold Ings	BH 159 Tickton Carr Lane Drain
BH 5 White Dike	BH 40 Gossettale Dike	BH 76 Keik Beck Soak Dike	BH 123 Cowleyke Drain	BH 161 Leven Cross Drain
BH 6 Whitewater Drain	BH 41 Northfield Beck	BH 77 Skipsae Branch	BH 124 Benningholme West Side	BH 162 Leven Town Drain
BH 7 Scarborough Boundary	BH 42 Knorka Dike	BH 78 Skipsae	BH 125 Old Main Drain	BH 163 Firth Drain
BH 8 Coal Dike	BH 43 Wanless Drain	BH 79 Barnston Sea End	BH 126 Wayne Croft	BH 164 Jackson & Sampson Low Ground
BH 9 Black Dike	BH 44 Czeyke Dike	BH 80 Dringhoe	BH 127 Weel Stone Carr Drain	BH 165 Bowlams Dyke
BH 10 Beswick New cut	BH 45 Towns Drain	BH 81 Yew Dyke	BH 128 Stone Carr	BH 166 Leven Canal Side Drain
BH 11 Kilnwick Arm	BH 46 Dunnington Sewer	BH 82 Gransmoor Drain	BH 129 Wayne Garage Drain	BH 167 Leven South Carr Drain
BH 12 Kirby Drain	BH 47 Inholmes	BH 83 Harde Covert	BH 130 North Wray	BH 168 Leven North Carr Drain
BH 13 Potter Drain	BH 48 Waterloo	BH 84 Burton Agnes	BH 131 Bulldike Drain	BH 169 Baswick Steer Drain
BH 14 Decoy Drain	BH 49 White Dike Branch	BH 85 Nutholmes Dyke	BH 132 Drewey's Soak Dike	BH 170 Inn Carr Drain
BH 15 South Old Rivers	BH 50 White Dike	BH 86 Burton Drain	BH 133 Wise and Habbershaws Drain	BH 171 Heigholme Drian
BH 16 North Old Rivers	BH 51 Warren Hill Drain	BH 87 Stonehills Drain	BH 134 Swine Benningholme & Arnold Ings	BH 172 Burshill and Barff Branch Drain
BH 17 Rotsea Drain	BH 52 Lingholms Drain	BH 88 Earles Dyke	BH 135 Benningholmes Ings	BH 173 Starr Carr Dike
BH 18 Nafferton Lowlands Drain	BH 53 Beverley Parks Sewer	BH 89 Demming Drain	BH 137 Lambwath Branch	BH 174 Starr Carr South Branch
BH 19 Bingham Drain	BH 54 Fox Drain	BH 90 Haisthorpe Beck	BH 138 Jackson Low Side	BH 175 Mill Dam Beck
BH 20 Foston Side Dike	BH 55 Fox Drain Tributary	BH 91 Thornholme Drain	BH 139 Arnold Green Lane	BH 176 Stream Dike
BH 21 Frodingham Side	BH 56 Western Drain	BH 92 Burton Carr Drain	BH 140 Arnold West Carr	BH 177 Starr Carr New Road Drain
BH 22 Constable Drain	BH 57 Hull Road East Side Drain	BH 93 Roston Drain	BH 141 Roston Drain	BH 178 Starr Carr & Barff Hill Drain
BH 23 Frodingham Church Drian	BH 58 Hull Road West Side Drain	BH 103 Ganstead Drain	BH 142 Arnold and Roston	BH 179 Burshill and Barff
BH 24 Andrew Hall Drain	BH 59 Beverley and Skidby	BH 104 Turner Hall Drain	BH 143 Stoneyke Goat Dike	BH 180 Halletree Holme Farm Drain
BH 25 Frodingham Mill Drain	BH 60 Stacey Lane	BH 105 Continuation of Ganstead Drain	BH 144 Tributary of Stoneyke Goat Dike	BH 181 Burshill Park Drain
BH 26 New Cross Drain	BH 61 Figham	BH 106 Ganstead Branch Drain	BH 146 Routh Road Side	BH 182 Unshaws Drain
BH 27 Harrison's	BH 62 North Carr	BH 107 Branch of Swine South Side Drain	BH 147 Routh Road Side Branch	BH 184 Continuation of Lambwath Stream
BH 28 Holts Drain	BH 63 Oxygang Drain	BH 108 Swine South Side Drain	BH 148 Meaux and Routh	BH 185 'L' Dike
BH 29 Hall's Drain	BH 64 Church Drain	BH 109 Swine church Drain	BH 149 Meaux West	BH 186 Bliton Drain
BH 30 Roam Drain	BH 65 Storkhill Drain	BH 110 Swine Church Continuation	BH 150 Weel Towns Drain	BH 187 Hall Farm Drain
BH 31 Kilnwick New cut	BH 66 Swinemoor North Boundary	BH 114 Engine Drain	BH 151 Causway Dale	BH 188 Nicholson Dyke
BH 32 Mill Dam Drain	BH 67 Swinemoor	BH 115 Swine and Castle Hill	BH 152 New Holland	BH 189 Ganstead New Drain
BH 33 Moor Drain	BH 69 Fisholmes Drain	BH 116 Newlands	BH 153 Turf Gutter and Esk River Side	
BH 34 Ella Dike	BH 70 Watson Drain	BH 117 Stockholmes	BH 154 Tickton Carr	
BH 35 Bryan Mill Beck	BH 71 Model Farm	BH 118 Branch of Kelwell Drain (South)	BH 155 Tickton Sewer	



Legend

- Order Limits
- Parcel Names
- Substations
- Hybrid Inverters
- Switchgear
- Spares Container
- Depths (m)
 - 0 - 0.1
 - 0.1 - 0.3
 - 0.3 - 0.5
 - 0.5 - 0.7
 - 0.7 - 0.9
 - 0.9 - 1.1
 - 1.1 - 1.5
 - 1.5 - 1.8
 - >1.8

05	UPDATED LAYOUT	CF	07.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Design Event (2066) Flood Depths
Sheet 1 of 2



SCALE AT A3: 1:20,000	DATE: 07.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-004	REVISION: 05	



Legend

- Order Limits
- Parcel Names
- Substations
- Hybrid Inverters
- Switchgear
- Spares Container

- Depths (m)
- 0 - 0.1
 - 0.1 - 0.3
 - 0.3 - 0.5
 - 0.5 - 0.7
 - 0.7 - 0.9
 - 0.9 - 1.1
 - 1.1 - 1.5
 - 1.5 - 1.8
 - >1.8

05	FIFTH ISSUE	CF	07.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Design Event (2066) Flood Depths
Sheet 2 of 2



SCALE AT A3: 1:20,000	DATE: 07.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-005	REVISION: 05	



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

02	THIRD ISSUE	CF	10.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

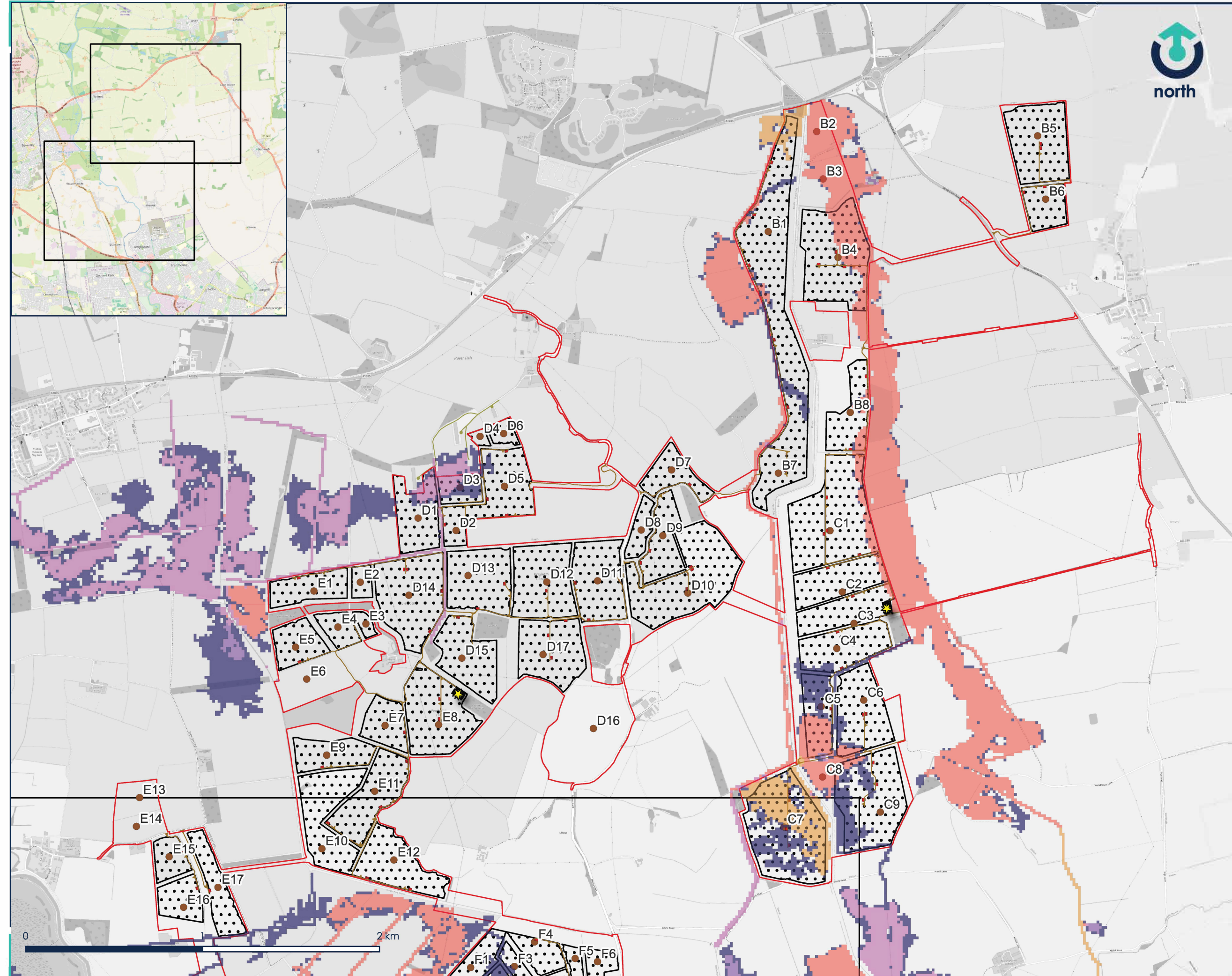
SITE:
Peartree Hill Solar Farm

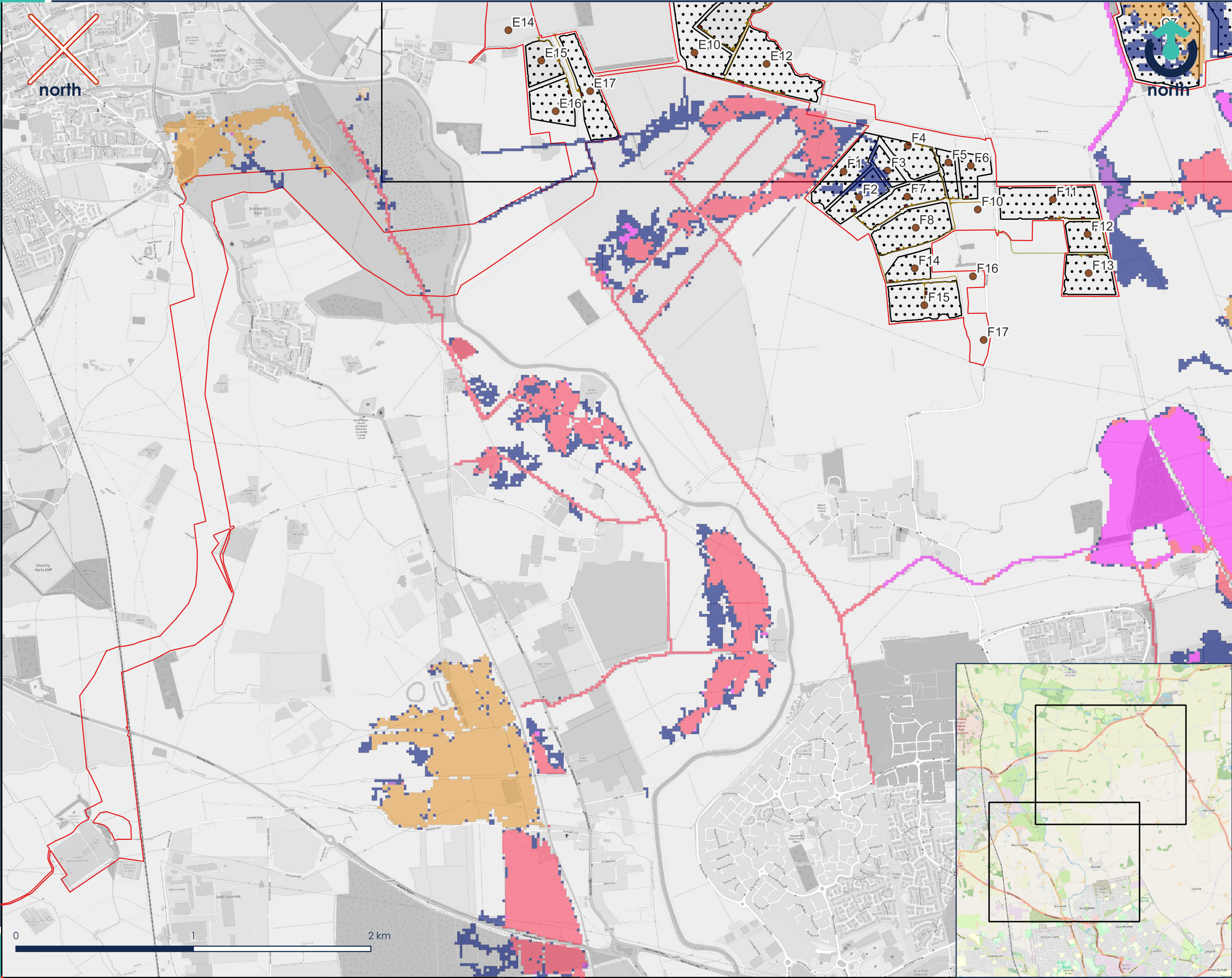
TITLE:
Flow Sensitivity
Sheet 1 of 2



SCALE AT A3: 1:20,000	DATE: 10.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-235	REVISION: 02	

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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

02	THIRD ISSUE	CF	10.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT: RWE

SITE: Peartree Hill Solar Farm

TITLE: Flow Sensitivity Sheet 2 of 2

Transport Planning | Flood Risk & Hydrology | Infrastructure & Drainage
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E: hello@calibro-consultants.com W: www.calibro-consultants.com

SCALE AT A3: 1:20,000	DATE: 10.07.2025	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-236	REVISION: 02	

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Legend

- Order Limits
- Sensitive Infrastructure
- Parcel Names
- Breach Locations
- Substations
- Hybrid Inverters
- Spares Container
- Switchgear
- Depths (m)
 - 0 - 0.1
 - 0.1 - 0.3
 - 0.3 - 0.5
 - 0.5 - 0.7
 - 0.7 - 0.9
 - 0.9 - 1.1
 - 1.1 - 1.5
 - 1.5 - 1.8
 - >1.8

Notes

Sensitive infrastructure areas encompass the coverage of solar panels, substations, inverters, battery storage etc. but do not include access or cable routes.

03	FOURTH ISSUE	CF	07.07.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Combined Breach Flood Depths
Sheet 1 of 2



SCALE AT A3: 1:20,000	DATE: 07.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-250	REVISION: 03	

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Legend

- Order Limits
- Sensitive Infrastructure
- Parcel Names
- Breach Locations
- Substations
- Hybrid Inverters
- Spares Container
- Switchgear
- Depths (m)
 - 0 - 0.1
 - 0.1 - 0.3
 - 0.3 - 0.5
 - 0.5 - 0.7
 - 0.7 - 0.9
 - 0.9 - 1.1
 - 1.1 - 1.5
 - 1.5 - 1.8
 - >1.8

Notes

Sensitive infrastructure areas encompass the coverage of solar panels, substations, inverters, battery storage etc. but do not include access or cable routes.

03	FOURTH ISSUE	CF	07.07.2025
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Combined Breach Flood Depths
Sheet 2 of 2



SCALE AT A3: 1:15,000	DATE: 07.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-251	REVISION: 03	



Legend

- Order Limits
- Combined Breach Extents
- Defence Section Removed
- Depth (m)
- 0 - 0.1
 - 0.1 - 0.3
 - 0.3 - 0.5
 - 0.5 - 0.7
 - 0.7 - 0.9
 - 0.9 - 1.1
 - 1.2 - 1.5
 - 1.5 - 1.8
 - >1.8

03	UPDATED LAYOUT	AB	07.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Monk Dike Bank Removal West (NB1)
100yr + 17% Maximum Depth



SCALE AT A3: 1:10,000	DATE: 07.07.25	DRAWN: AB	CHECKED: PG
PROJECT NO: 20-206	DRAWING NO: 60-253	REVISION: 03	



Legend

- Order Limits 
- Combined Breach Extents 
- Defence Section Removed 
- Depth (m)
- 0 - 0.1 
 - 0.1 - 0.3 
 - 0.3 - 0.5 
 - 0.5 - 0.7 
 - 0.7 - 0.9 
 - 0.9 - 1.1 
 - 1.2 - 1.5 
 - 1.5 - 1.8 
 - >1.8 

03	UPDATED LAYOUT	AB	07.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: INTERNAL USE ONLY

CLIENT:
RWE

SITE:
Peartree Hill Solar Farm

TITLE:
Monk Dike Bank Removal East (NB2)
100yr + 17% Maximum Depth



SCALE AT A3: 1:5,000	DATE: 07.07.25	DRAWN: AB	CHECKED: PG
PROJECT NO: 20-206	DRAWING NO: 60-254	REVISION: 03	

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Legend

Order Limits



Generation Areas



Land Areas



Substations



Hybrid Inverters



Switch Gear



Spares Container



Combined Breach Extent



Increase (m)

< -0.3



-0.3 to -0.2



-0.2 to -0.1



-0.1 to -0.005



-0.005 to 0.005



0.005 to 0.1



0.1 to 0.2



0.2 to 0.3



> 0.3



Was wet now dry



Was dry now wet



03	FOURTH ISSUE	CF	10.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS:	FOR INFORMATION
---------	-----------------

CLIENT:	RWE
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SITE:	Peartree Hill Solar Farm
-------	--------------------------

TITLE:	Maximum Credible Scenario level increase from Design Event (Sheet 1 of 2)
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SCALE AT A3:	DATE:	DRAWN:	CHECKED:
1:20,000	10.07.2025	CF	AB
PROJECT NO:	DRAWING NO:	REVISION:	
20-206	60-260	03	

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Legend

- Order Limits
- Generation Areas
- Land Areas
- Substations
- Hybrid Inverters
- Switch Gear
- Spares Container
- Combined Breach Extent

Increase (m)

- < -0.3
- 0.3 to -0.2
- 0.2 to -0.1
- 0.1 to -0.005
- 0.005 to 0.005
- 0.005 to 0.1
- 0.1 to 0.2
- 0.2 to 0.3
- > 0.3

Was wet now dry

Was dry now wet

03	FOURTH ISSUE	CF	10.07.25
REV:	DESCRIPTION:	BY:	DATE:
STATUS: FOR INFORMATION			

CLIENT:
RWE

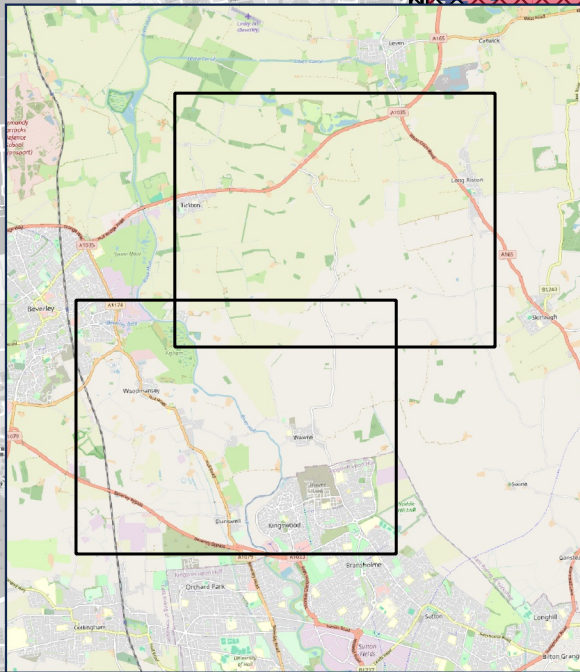
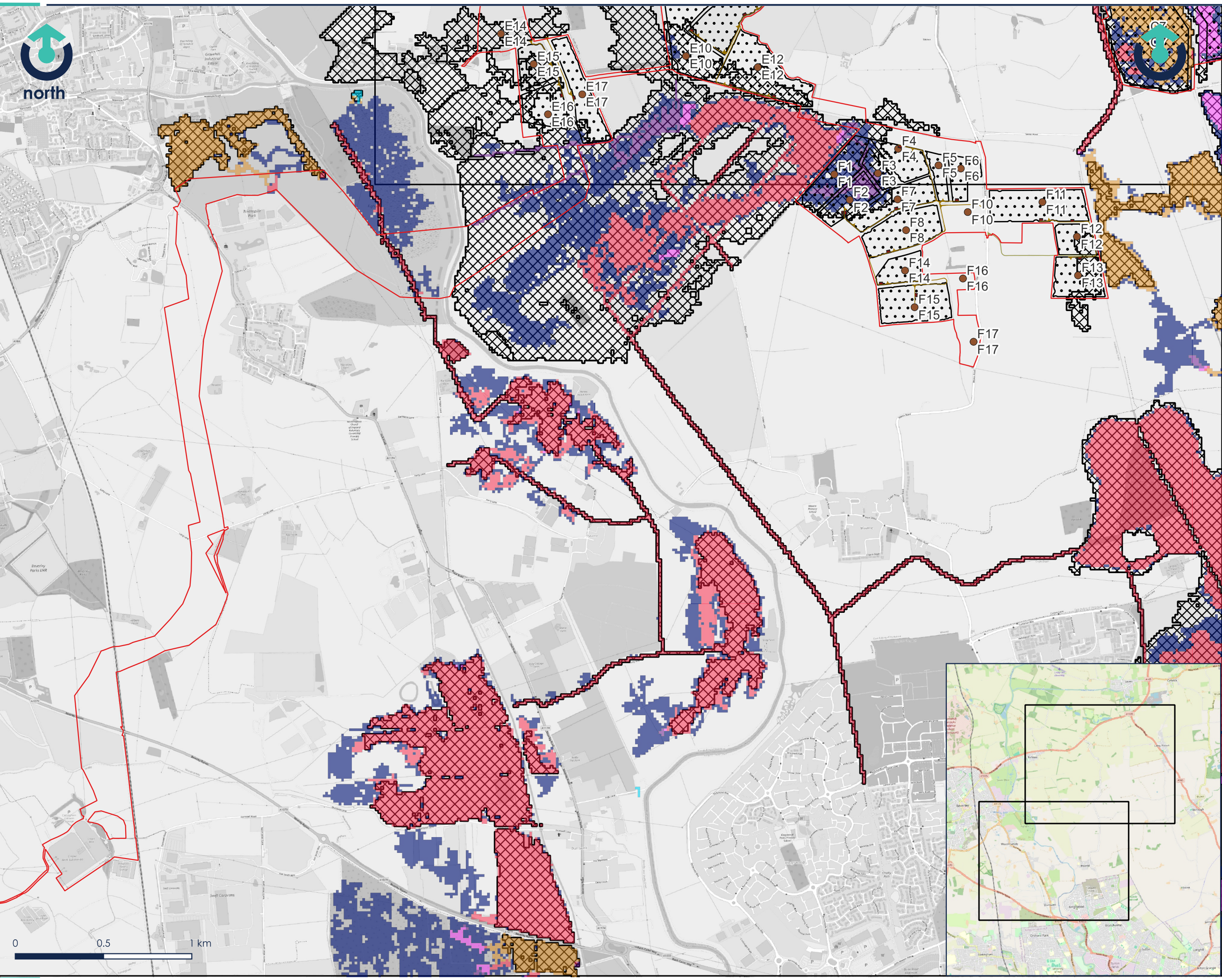
SITE:
Peartree Hill Solar Farm

TITLE:
Maximum Credible Scenario level increase from Design Event (Sheet 2 of 2)



SCALE AT A3: 1:20,000	DATE: 10.07.2025	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-261	REVISION: 03	

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Legend

- Order Limits
- Construction Compounds
- Parcel Names
- Increase (m)
- < -0.3
- 0.3 to -0.2
- 0.2 to -0.1
- 0.1 to -0.005
- 0.005 to 0.005
- 0.005 to 0.1
- 0.1 to 0.2
- 0.2 to 0.3
- > 0.3
- Was wet now dry
- Was dry now wet

-	FIRST ISSUE	CF	07.07.25
REV:	DESCRIPTION:	BY:	DATE:

STATUS: FOR INFORMATION

CLIENT:
RWE

SITE: Peartree Hill Solar Farm
TITLE: Temporary Construction Compound Raising - Design Event Flood Level Change (Sheet 1 of 2)



SCALE AT A3: 1:20,000	DATE: 07.07.25	DRAWN: CF	CHECKED: AB
PROJECT NO: 20-206	DRAWING NO: 60-262	REVISION: -	

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