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
20-206-60-260-03 Maximum Credible Scenario Level Change 1 of 2
20-206-60-261-03 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

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York Consortium of Drainage Boards

Beverley and North Holderness IDB

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

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Legend

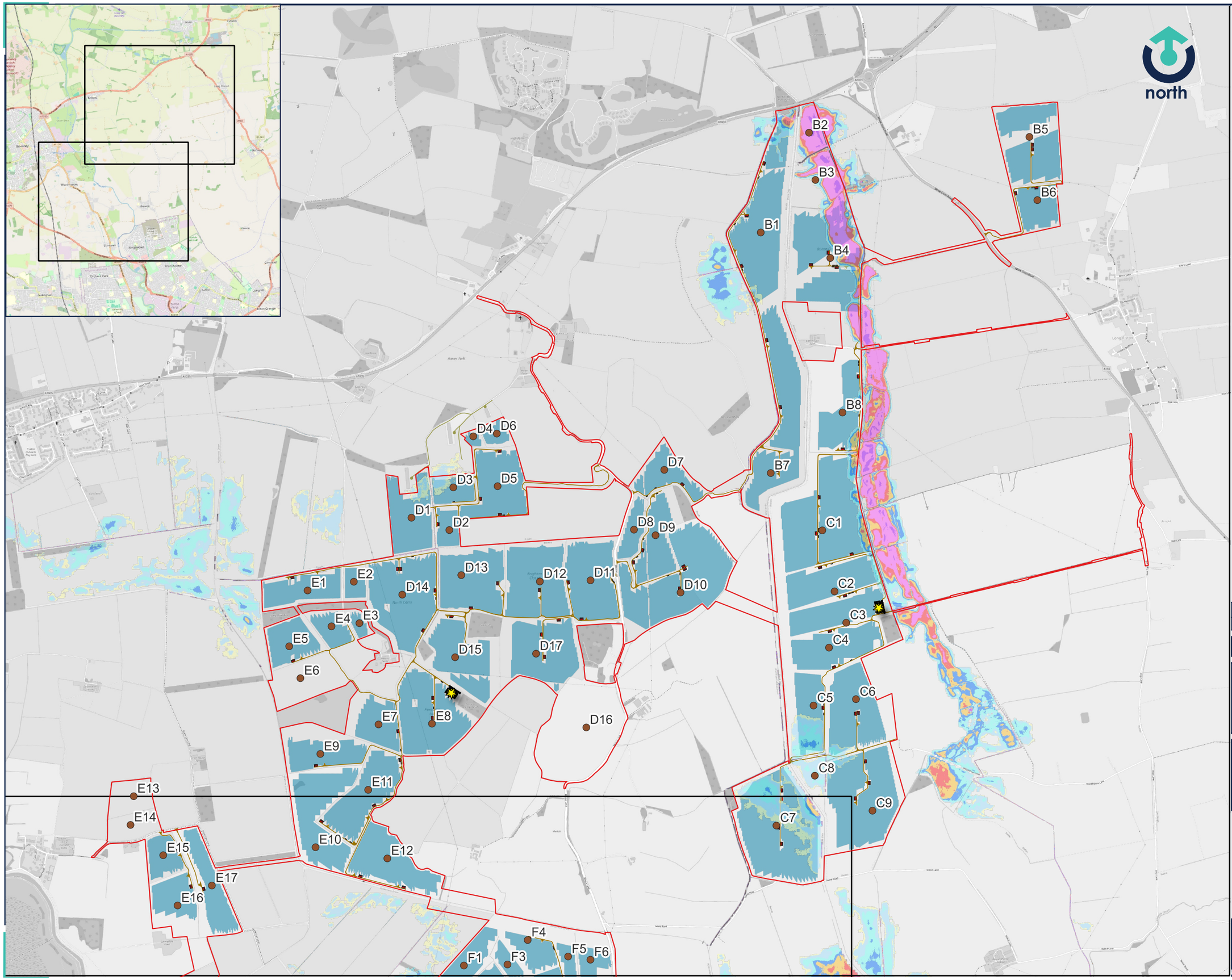
IDB Maintained Watercourse

IDB Boundary

0 1 2 4 Kilometers

Watercourses

BH 1 South Bullock
BH 2 South Bullock North Branch
BH 3 South Bullock South Branch
BH 4 North Bullock
BH 5 White Dike
BH 6 Whitewater Drain
BH 7 Scorborough Boundary
BH 8 Coal Dike
BH 9 Black Dike
BH 10 Beswick New cut
BH 11 Kilnwick Arm
BH 12 Kirby Drain
BH 13 Potter Drain
BH 14 Decoy Drain
BH 15 South Old Rivers
BH 16 North Old Rivers
BH 17 Rotsea Drain
BH 18 Nafferton Lowlands Drain
BH 19 Brigham Drain
BH 20 Foston Side Dike
BH 21 Frodingham Side
BH 22 Constable Drain
BH 23 Frodingham Church Drian
BH 24 Andrew Hall Drain
BH 25 Frodingham Mill Drain
BH 26 New Cross Drain
BH 27 Harrisons
BH 28 Holts Drain
BH 29 Halls Drain
BH 30 Roam Drain
BH 31 Kilnwick New cut
BH 32 Mill Dam Drain
BH 33 Moor Drain
BH 34 Ella Dike
BH 35 Bryan Mill Beck
BH 36 Watton Beck
BH 37 Decoy House Drain
BH 38 Scurf Dike
BH 39 Holmes Dike
BH 40 Gosberdale Dike
BH 41 Northfield Beck
BH 42 Knorka Dike
BH 43 Wanlass Drain
BH 44 Creyke Dike
BH 45 Towns Drain
BH 46 Dunnington Sewer
BH 47 Inholmes
BH 48 Waterloo
BH 49 White Dike Branch
BH 50 White Dike
BH 51 Warren Hill Drain
BH 52 Lingholms Drain
BH 53 Beverley Parks Sewer
BH 54 Fox Drain
BH 55 Fox Drain Tributary
BH 56 Western Drain
BH 57 Hull Road East Side Drain
BH 58 Hull Road West Side Drain
BH 59 Beverley and Skidby
BH 60 Sicey Lane
BH 61 Figham
BH 62 North Carr
BH 63 Oxgang Drain
BH 64 Church Drain
BH 65 Storkhill Drain
BH 66 Swinemoor North Boundary
BH 67 Swinemoor
BH 69 Fisholmes Drain
BH 70 Watson Drain
BH 71 Model Farm
BH 72 Willow Lane Drain
BH 73 Beverley Park Sewer
BH 74 Riley Drain
BH 75 Throstlenest Drain
BH 76 Kelk Beck Soak Dike
BH 77 Skipsea Branch
BH 78 Skipsea
BH 79 Barmston Sea End
BH 80 Dringhoe
BH 81 Yew Dyke
BH 82 Gransmoor Drain
BH 83 Hards Covert
BH 84 Burton Agnes
BH 85 Nutholmes Dyke
BH 86 Burton Drain
BH 87 Stonehills Drain
BH 88 Earles Dyke
BH 89 Demming Drain
BH 90 Haisthorpe Beck
BH 91 Thornholme Drain
BH 92 Burton Carr Drain
BH 101 Holderness Drain
BH 103 Ganstead Drain
BH 104 Turmer Hall Drain
BH 105 Continuation of Ganstead Drain
BH 106 Ganstead Branch Drain
BH 107 Branch of Swine South Side Drain
BH 108 Swine South Side Drain
BH 109 Swine church Drain
BH 110 Swine Church Continuation
BH 114 Engine Drain
BH 115 Swine and Castle Hill
BH 116 Newlands
BH 117 Stackholmes
BH 118 Branch of Kelwell Drain (South)
BH 119 Branch of Kelwell Drain (North)
BH 120 Kelwell Lowlands Continuation
BH 121 Kelwell Lowlands Drain
BH 122 Branch of SB and Arnold Ings
BH 123 Cowdyke Drain
BH 124 Benningholme West Side
BH 125 Old Main Drain
BH 126 Wawne Croft
BH 127 Weel Stone Carr Drain
BH 128 Stone Carr
BH 129 wawne Garage Drain
BH 130 North Wray
BH 131 Bulldike Drain
BH 132 Drewerey's Soak Dike
BH 133 Wise and Habbershaws Drain
BH 134 Swine Benningholme & Arnold Ings
BH 135 Benningholme Ings
BH 137 Lambwath Branch
BH 138 Jackson Low Side
BH 139 Arnold Green Lane
BH 140 Arnold West Carr
BH 141 Riston Drain
BH 142 Arnold and Riston
BH 143 Stoneley Goat Dike
BH 144 Tributary of Stoneley Goat Dike
BH 146 Routh Road Side
BH 147 Routh Road Side Branch
BH 148 Meaux and Routh
BH 149 Meaux West
BH 150 Weel Towns Drain
BH 151 Causway Dale
BH 152 New Holland
BH 153 Turf Gutter and Esk River Side
BH 154 Tickton Carr
BH 155 Tickton Sewer
BH 156 Turf Gutter
BH 157 Parting Dike
BH 158 Esk Plantation
BH 159 Tickton Carr Lane Drain
BH 161 Leven Cross Drain
BH 162 Leven Town Drain
BH 163 Firth Drain
BH 164 Jackson & Sampson Low Ground
BH 165 Bowlams Dyke
BH 166 Leven Canal Side Drain
BH 167 Leven South Carr Drain
BH 168 Leven North Carr Drain
BH 169 Baswick Steer Drain
BH 170 Inn Carr Drain
BH 171 Heighoime Drian
BH 172 Burshill and Barff Branch Drain
BH 173 Starr Carr Dike
BH 174 Starr Carr South Branch
BH 175 Mill Dam Beck
BH 176 Stream Dike
BH 177 Starr Carr New Road Drain
BH 178 Starr Carr & Barff Hill Drain
BH 179 Burshill and Barff
BH 180 Halleytree Holme Farm Drain
BH 181 Burshill Park Drain
BH 182 Ushaws Drain
BH 184 Continuation of Lambwath Stream
BH 185 'L' Dike
BH 186 Bilton Drain
BH 187 Hall Farm Drain
BH 188 Nicholson Dyke
BH 189 Ganstead New Drain



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

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05	UPDATED LAYOUT	CF	07.07.25

STATUS: INTERNAL USE ONLY

CLIENT: RWE

SITE: Peartree Hill Solar Farm

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

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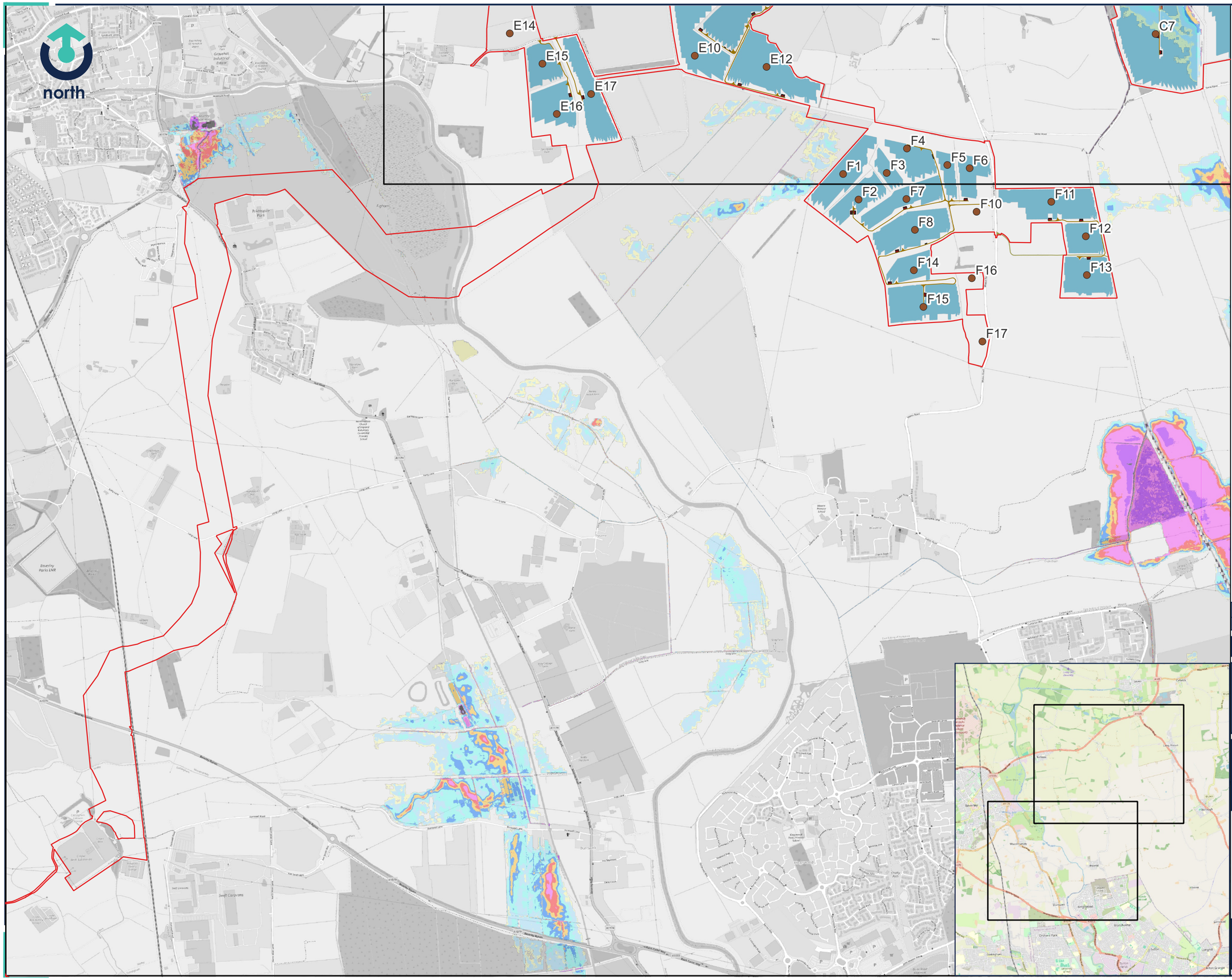

Legend

- 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

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SITE: Peartree Hill Solar Farm

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

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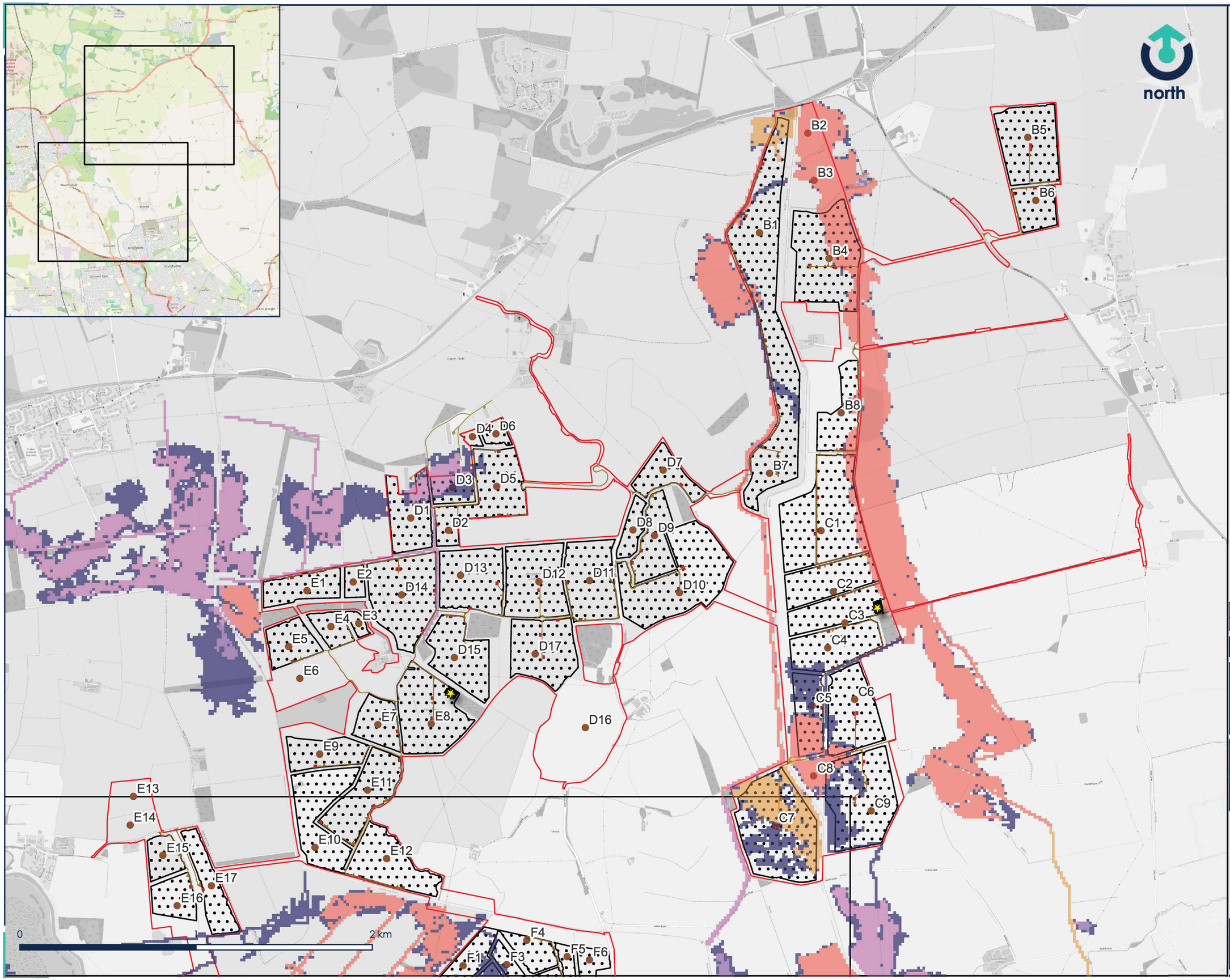

Legend

- 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

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

STATUS: INTERNAL USE ONLY

CLIENT: RWE

SITE: Peartree Hill Solar Farm

TITLE: Flow Sensitivity
Sheet 1 of 2

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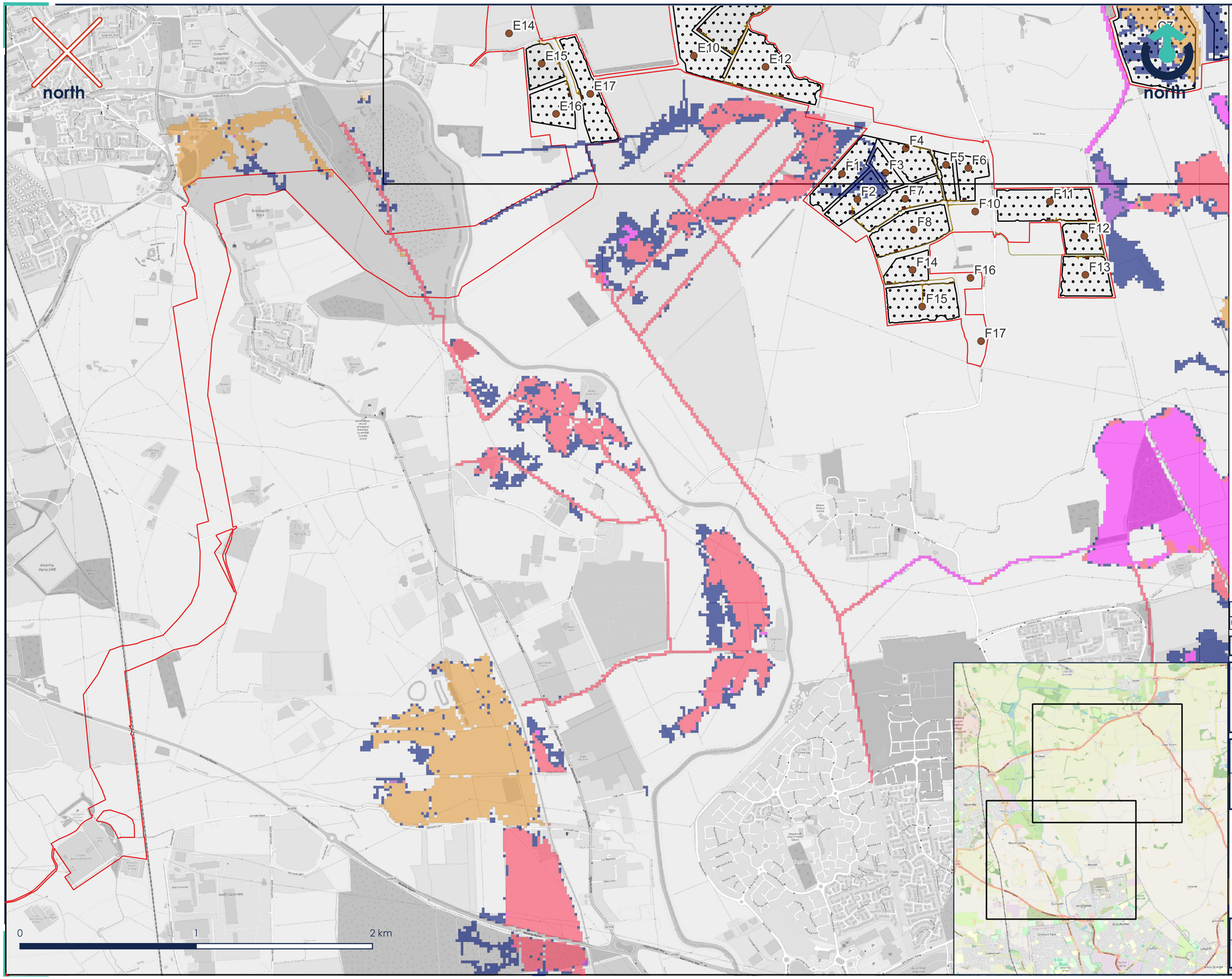

Legend

- 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

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CLIENT: RWE

SITE: Peartree Hill Solar Farm

TITLE: Flow Sensitivity
Sheet 2 of 2

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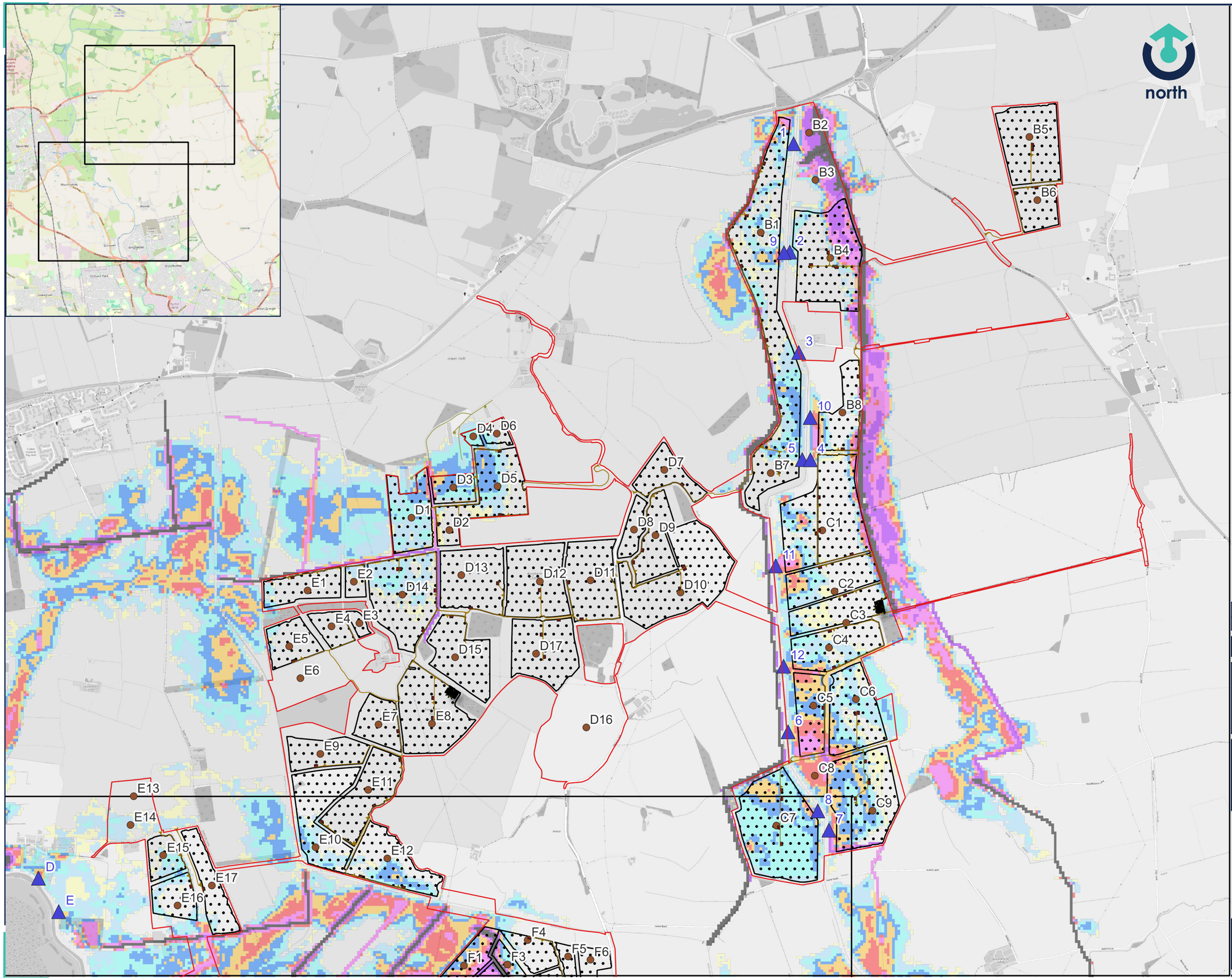

Legend

- 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.

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SITE: Peartree Hill Solar Farm

TITLE: Combined Breach Flood Depths Sheet 1 of 2

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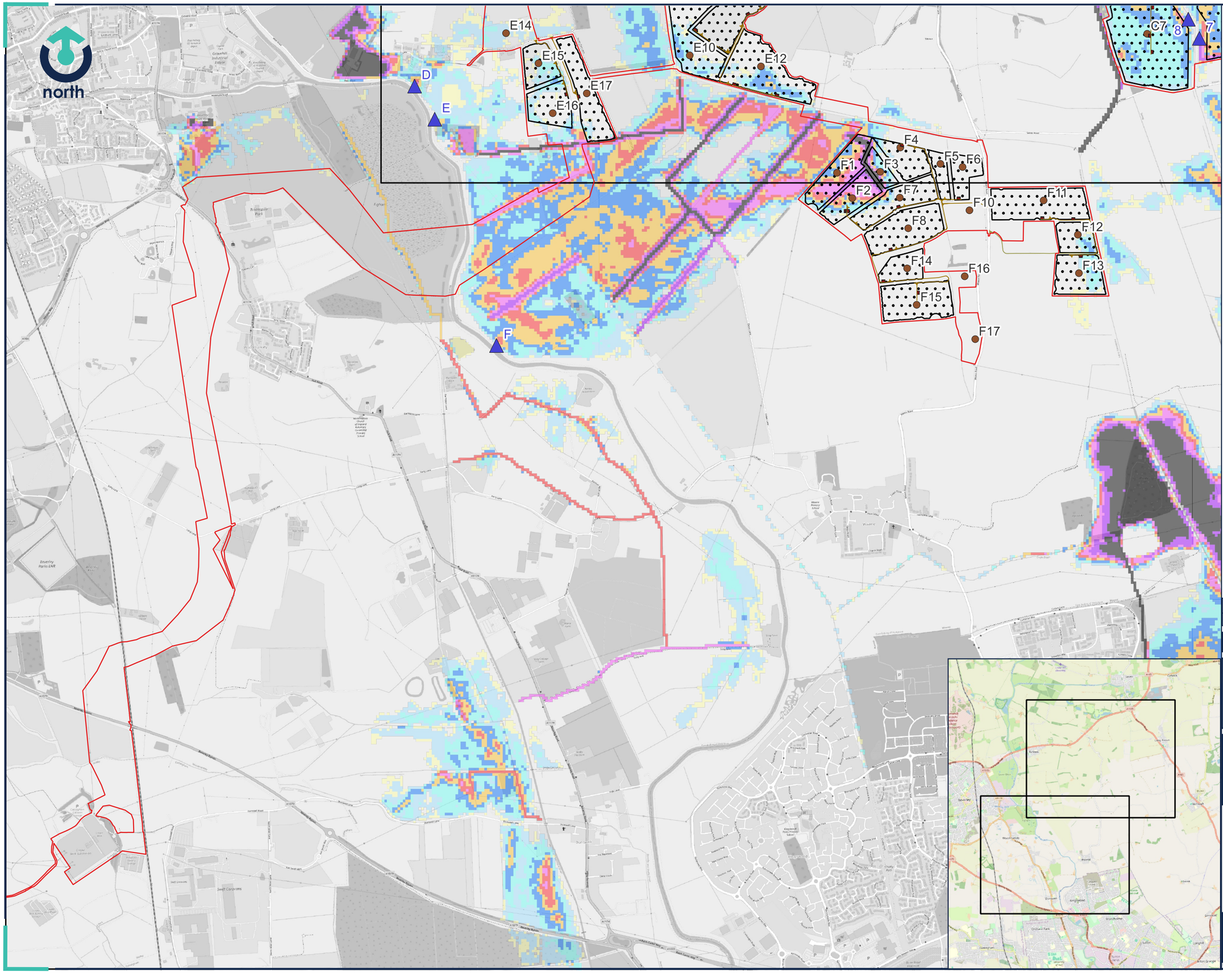

Legend

- 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.

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SITE: Peartree Hill Solar Farm

TITLE: Combined Breach Flood Depths Sheet 2 of 2

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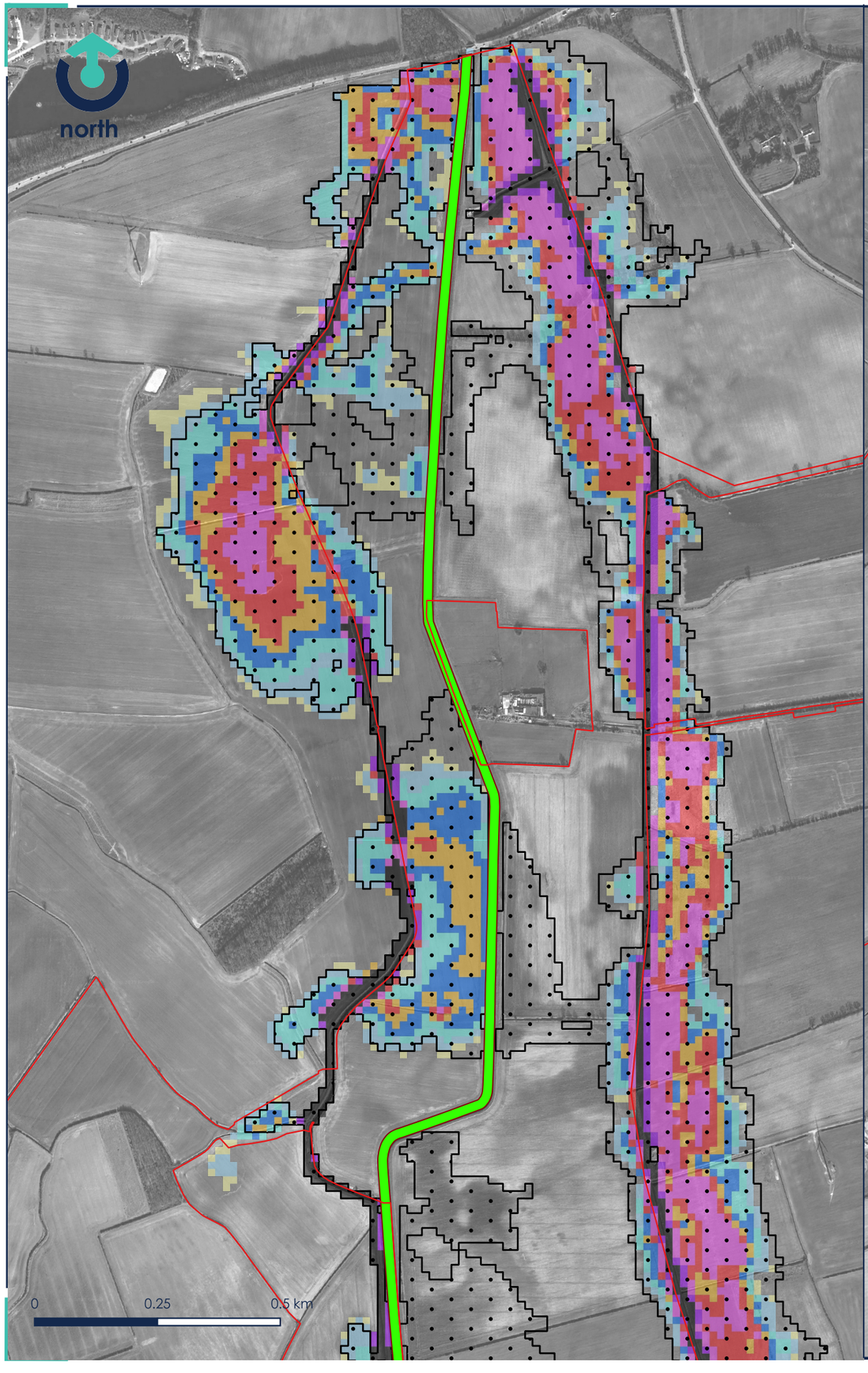

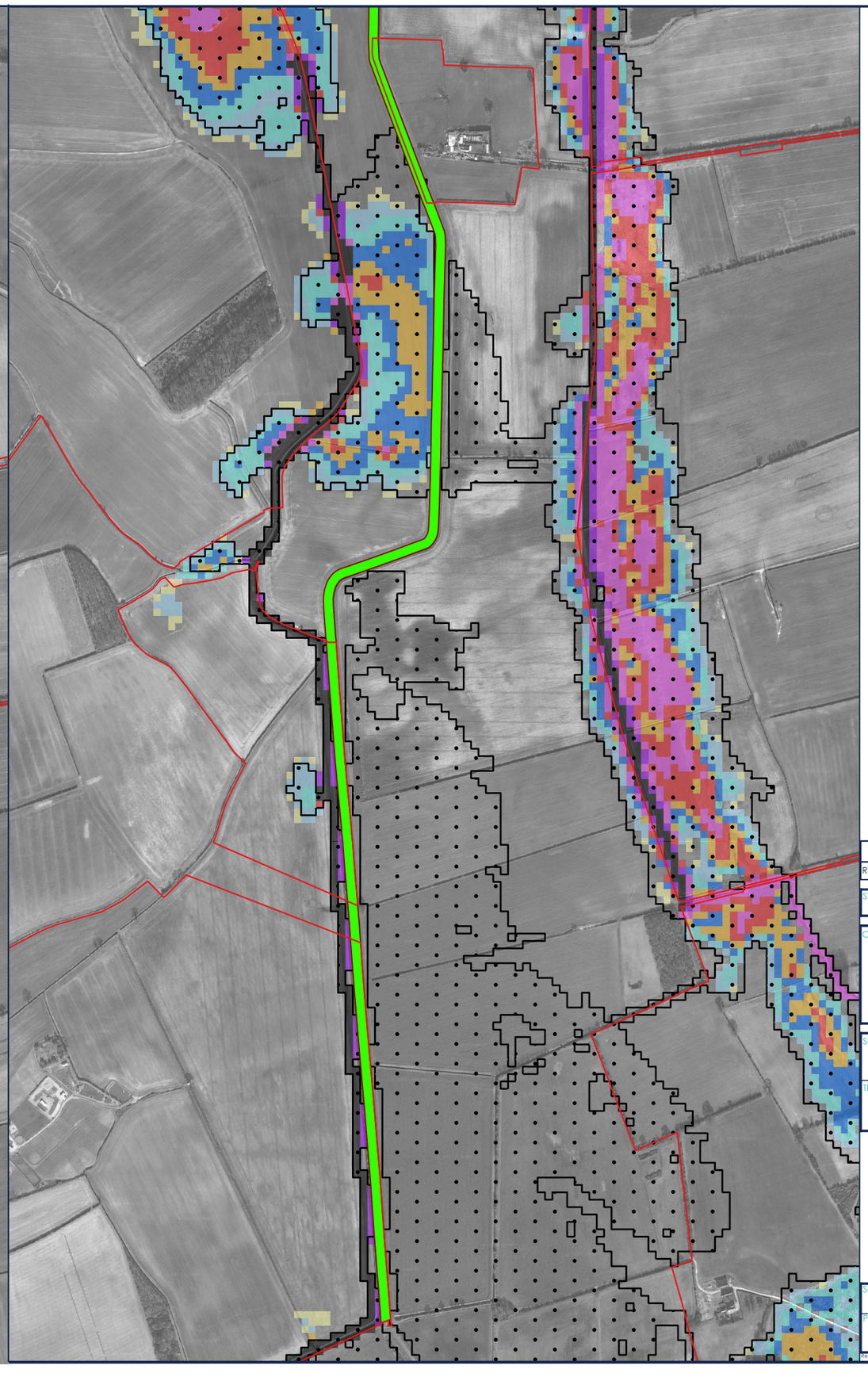

Legend

- 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

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

STATUS: FOR INFORMATION

CLIENT: RWE

SITE: Peartree Hill Solar Farm

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

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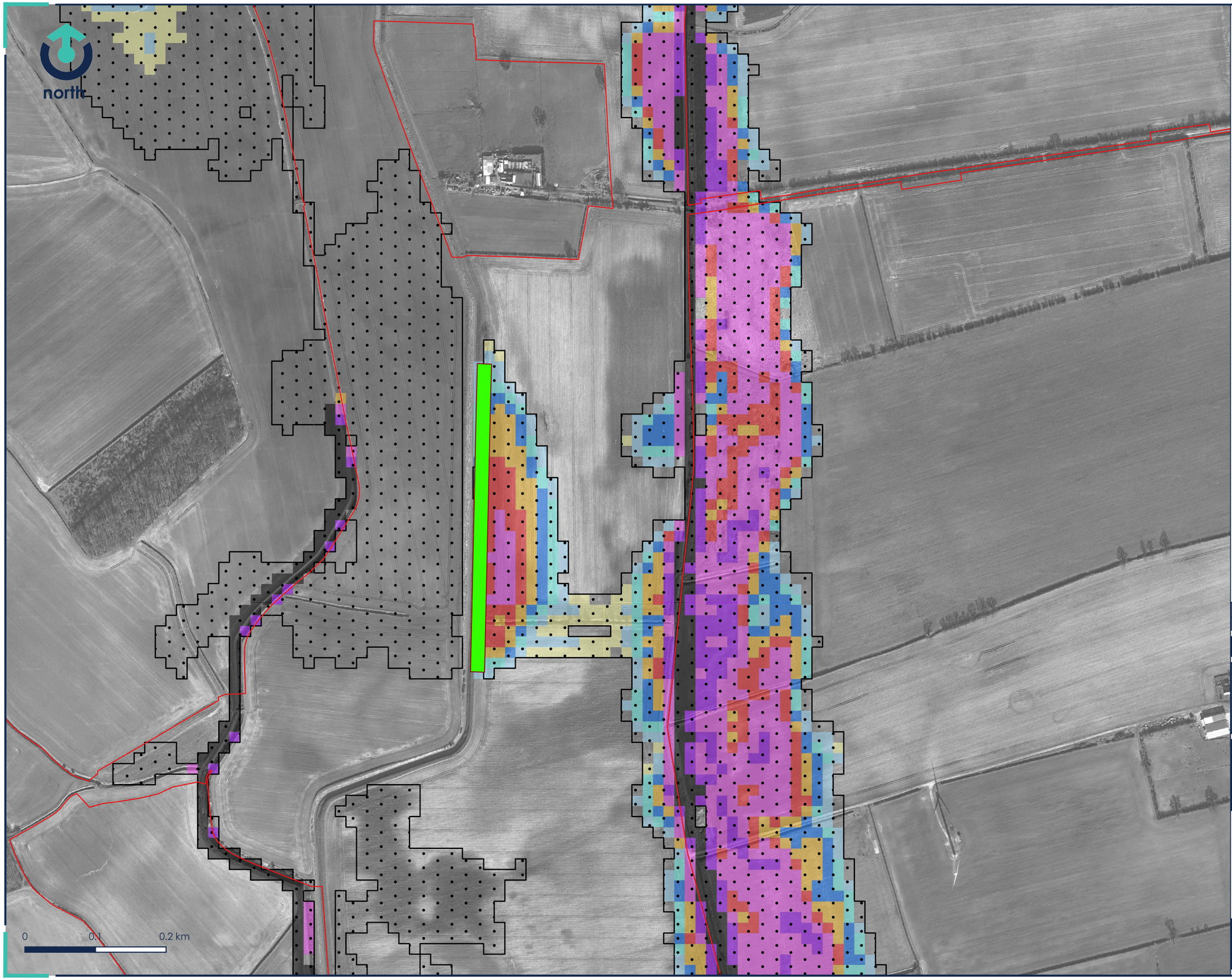

Legend

- 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

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

STATUS: INTERNAL USE ONLY

CLIENT: RWE

SITE: Peartree Hill Solar Farm

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

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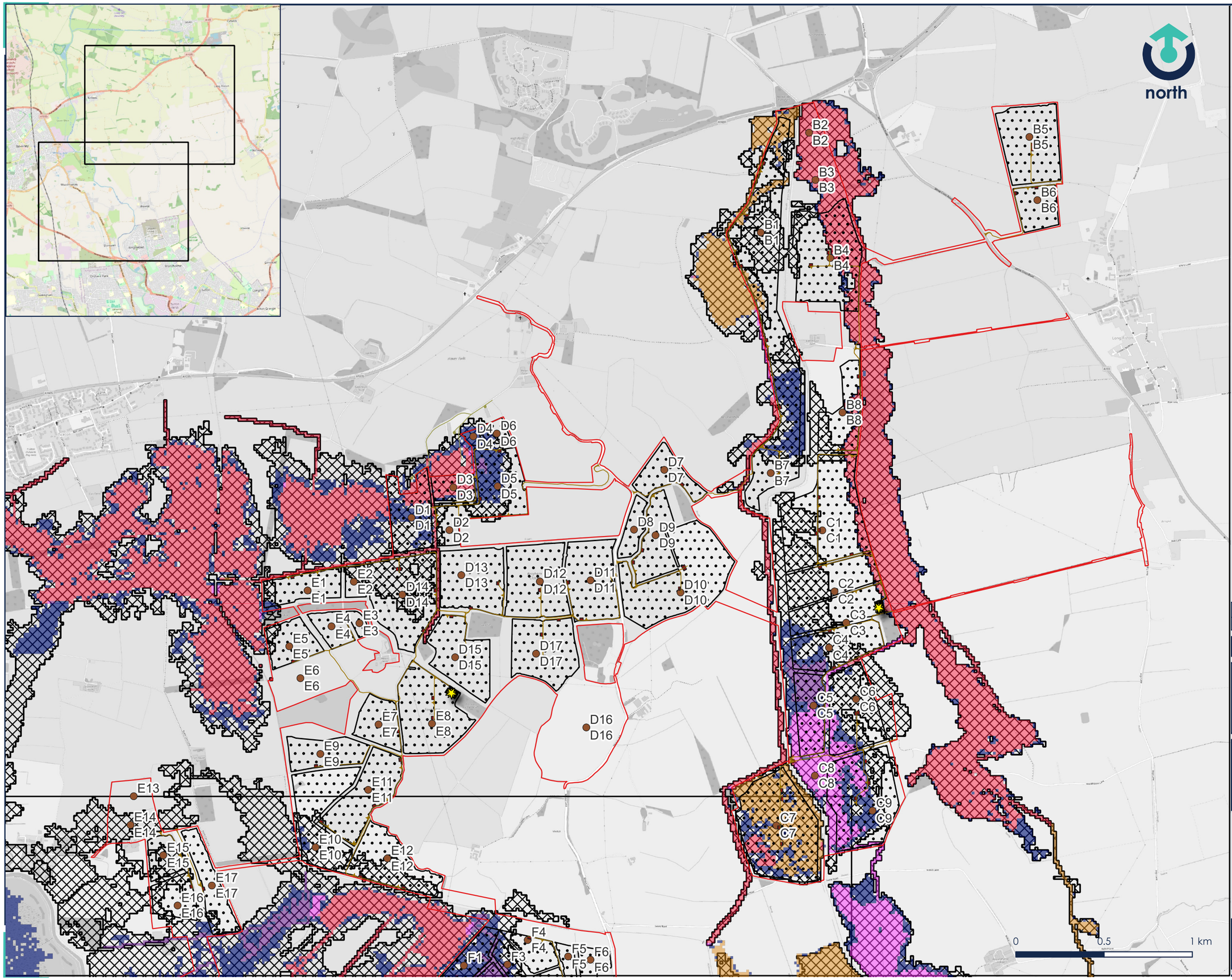

Legend

- 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

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

STATUS: FOR INFORMATION

CLIENT: RWE

SITE: Peartree Hill Solar Farm

TITLE: Maximum Credible Scenario level increase from Design Event (Sheet 1 of 2)

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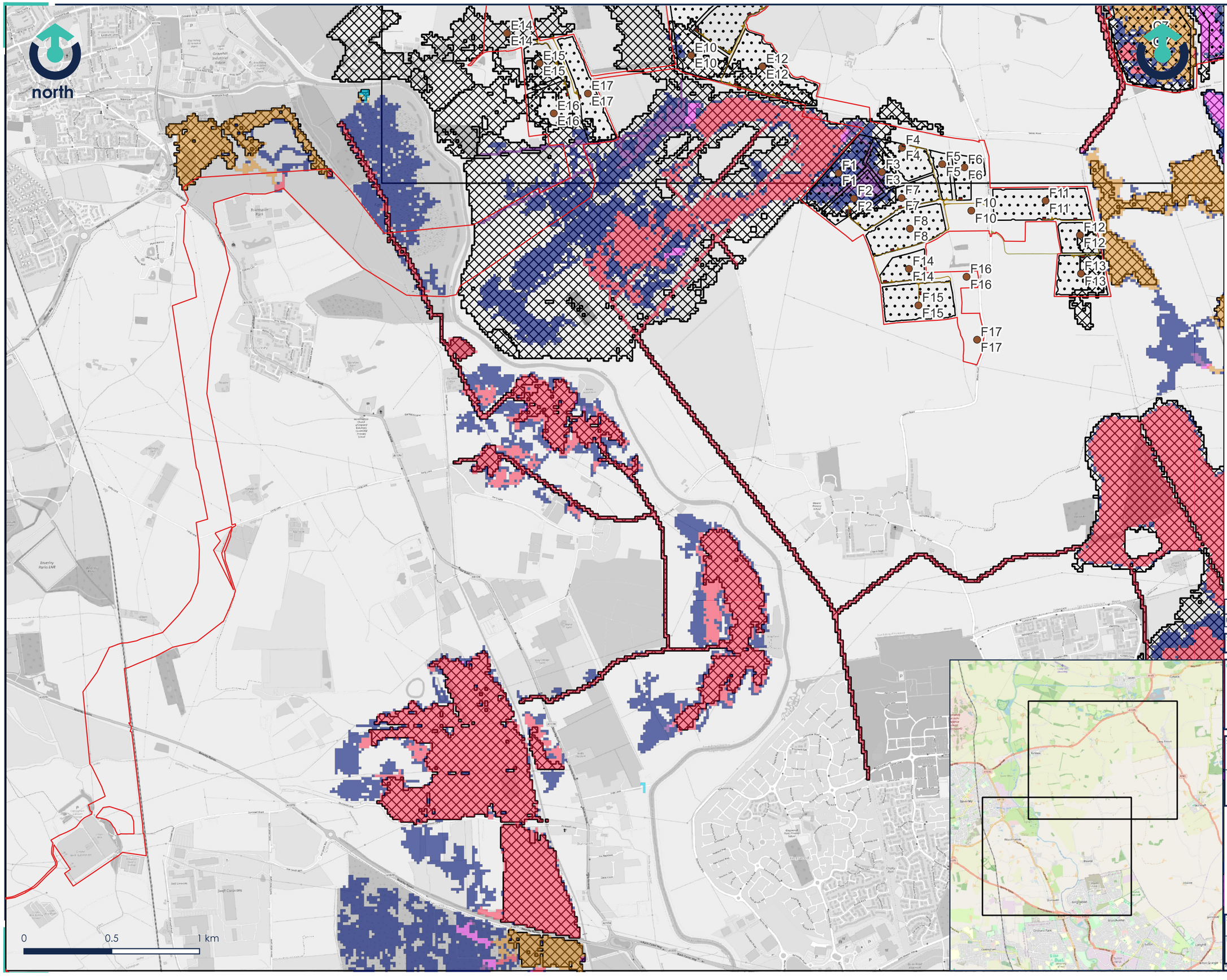

Legend

- 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

REV:	DESCRIPTION:	BY:	DATE:
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STATUS: FOR INFORMATION

CLIENT: RWE

SITE: Peartree Hill Solar Farm

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

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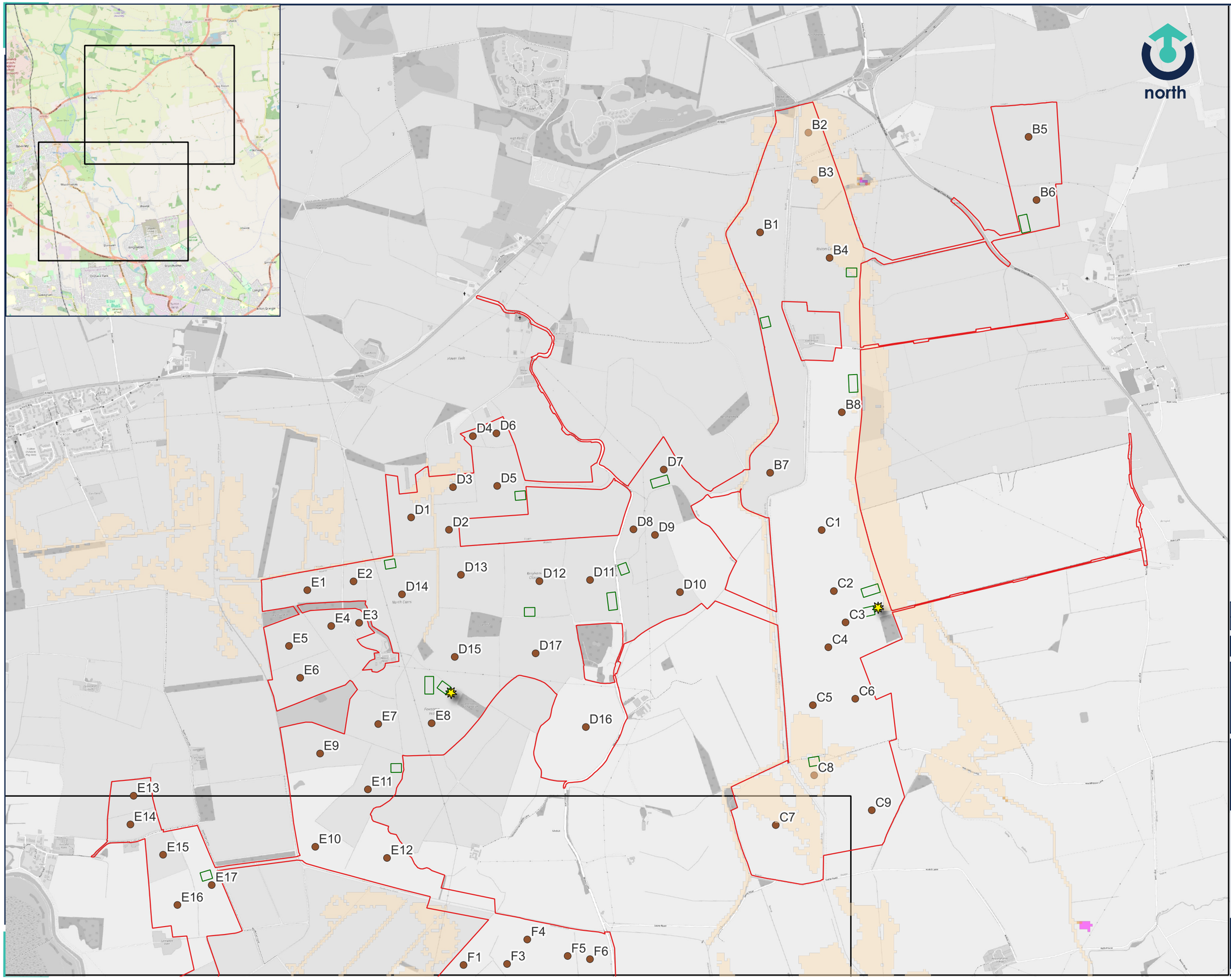

Legend

- 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

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

STATUS: FOR INFORMATION

CLIENT:

RWE

SITE:

Peartree Hill Solar Farm

TITLE: Temporary Construction Compound Raising - Design Event Flood Level Change (Sheet 1 of 2)

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