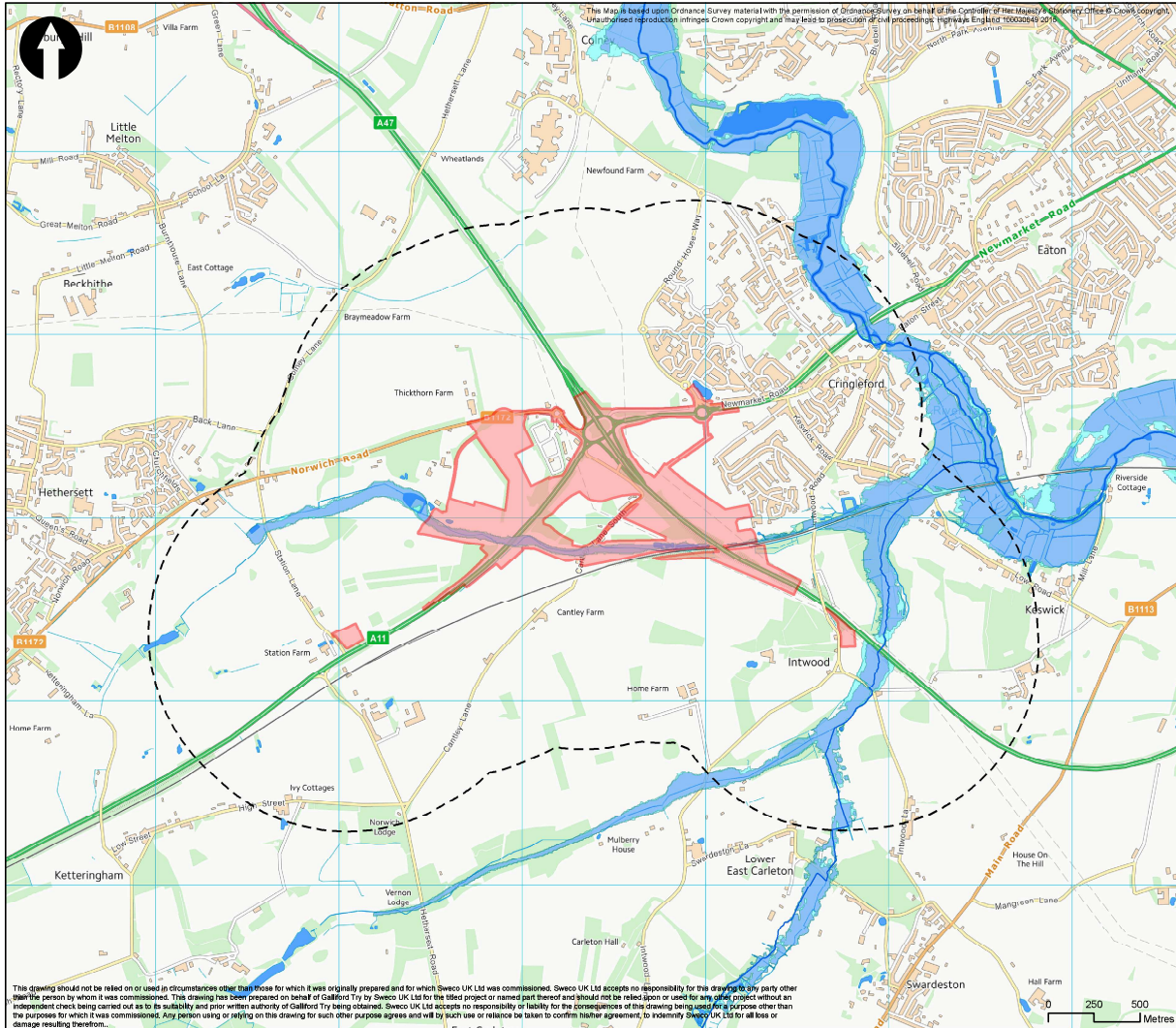


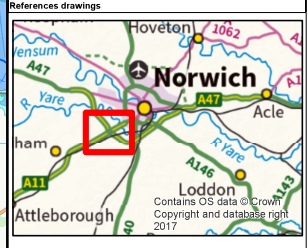
## Appendix A. Figures



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**Key to symbols**

- DCO site boundary
- Indicative 1km buffer
- OS Surface Water
- Flood Zone 3
- Flood Zone 2
- WFD - Surface Water Operational Catchments Cycle 2
- WFD - River, Canal and Surface Water Transfer Waterbodies Cycle 2
- River



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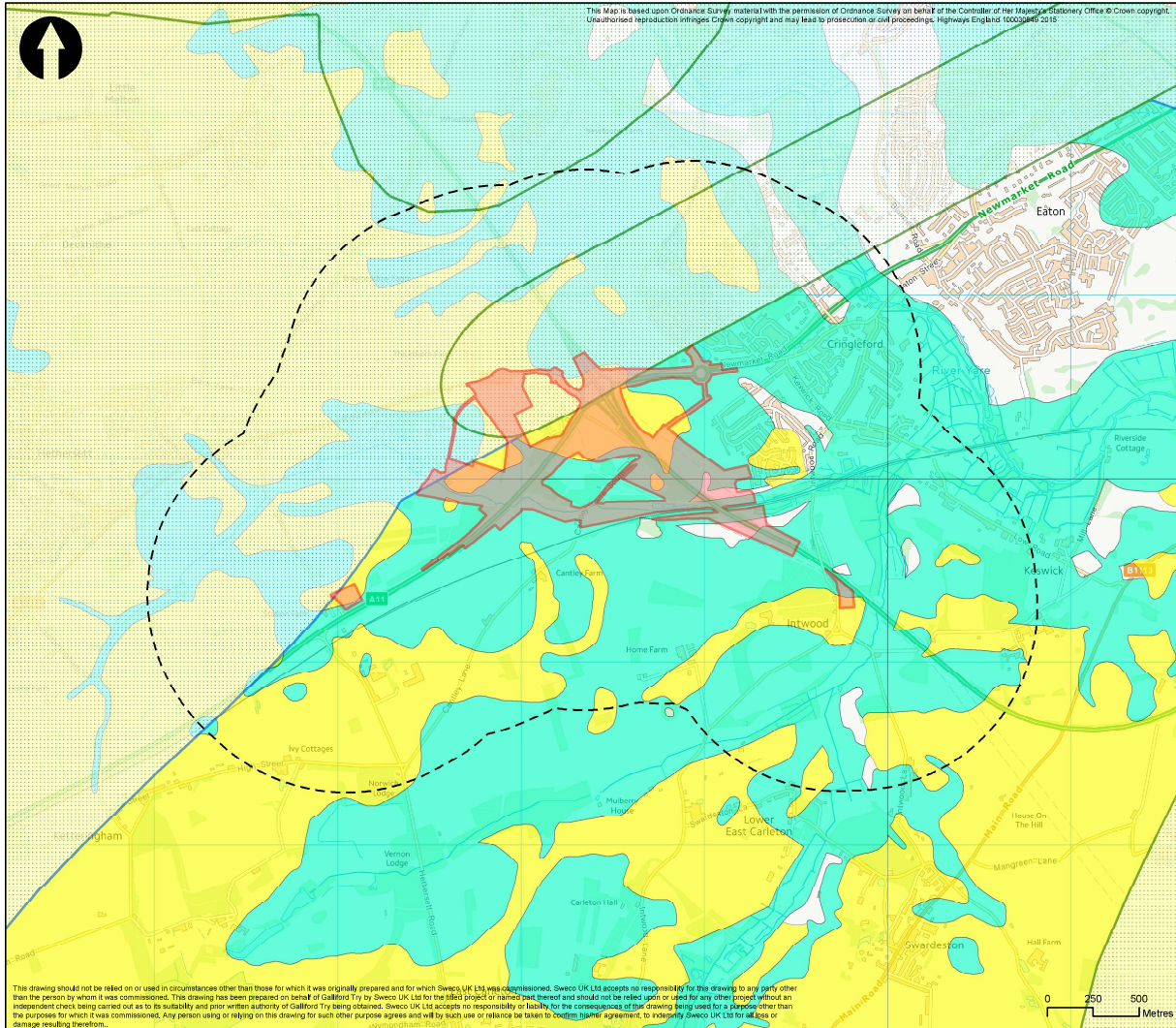
**A47/A11 Thickthorn Junction**

Figure 13.1  
Surface water features and flood zones

Scale	Design	Check	Drawn	Checked	Approved
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Original Date	Date	Date	Date	Date	Date
05	05/10/19	05/10/19	05/10/19	05/10/19	05/10/19
Design Number	Project	Location	Sheet No.	Sheet No.	Sheet No.
HETTJNCT	000 - RP - LX	EGN -	HETTJNCT	HETTJNCT	HETTJNCT
000	RP	LX	00000	00000	002
Location	East	North	London	London	London

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0 250 500 Metres

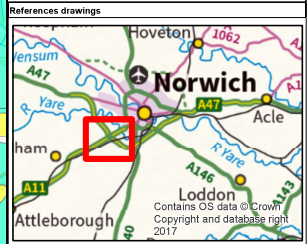


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**Key to symbols**

- DCO site boundary
- Indicative 1km buffer
- Source protection zones**
- Zone II - Outer Protection Zone
- Zone III - Total Catchment
- BGS Aquifer Maps - Superficial Deposits Designation**
- Secondary A
- Secondary (undifferentiated)

**Note:**  
BGS Aquifer Maps -  
Bedrock Designation - Principal



Rev.	Date	Amendment Details	Drawn	Checked	Appr'd
001	16/06/19	Original Drawing			



For Stage Approval	Sketch
	S4

**A47/A11 Thickthorn Junction**

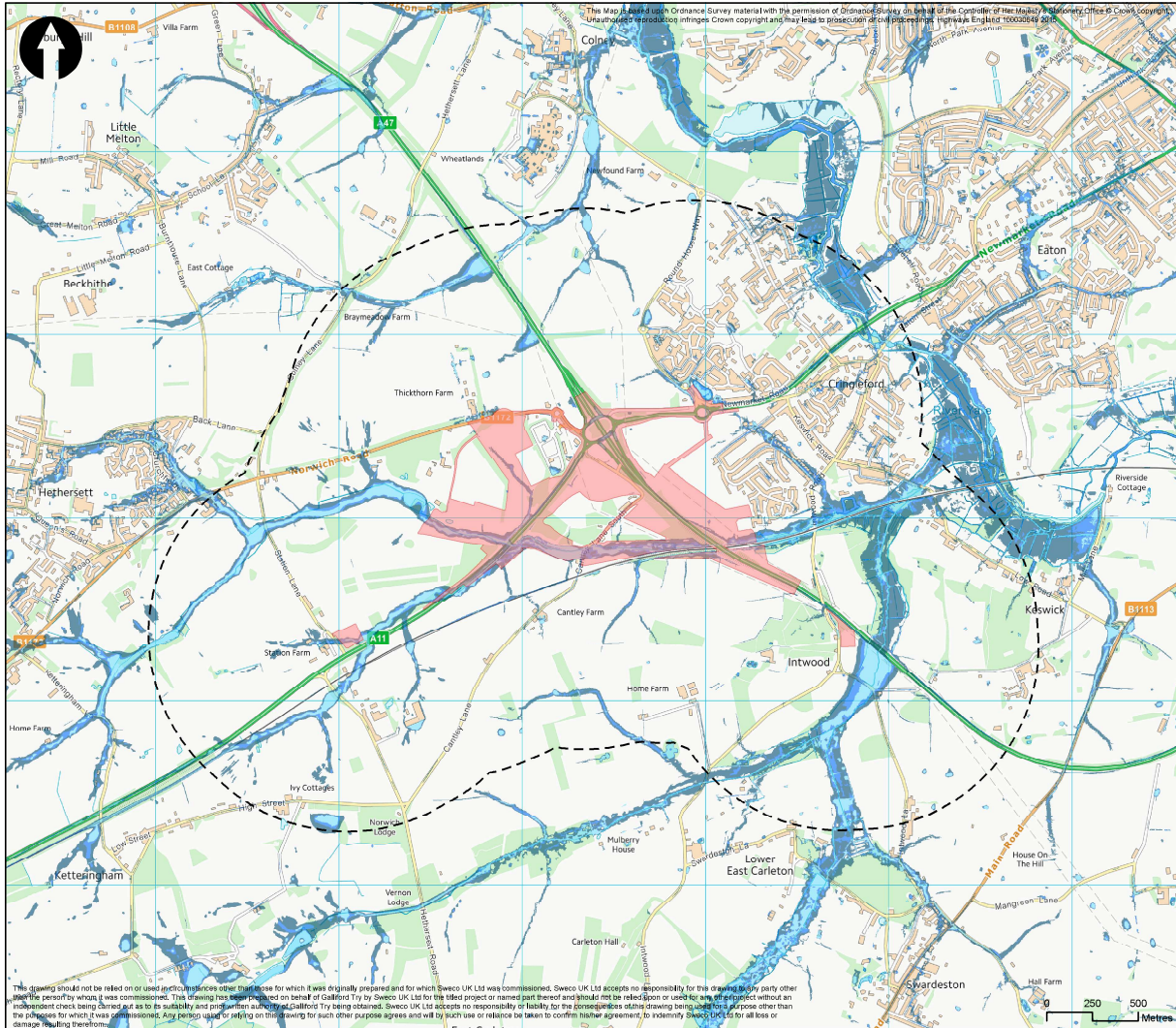
**Figure 13.2  
Groundwater Bodies**

Scale	Original Date	Original Scale	Original Date	Original Scale	Original Date	Original Scale	Original Date	Original Scale
1:25000	15/06/19	1:25000	15/06/19	1:25000	15/06/19	1:25000	15/06/19	1:25000

000	RP	LX	00000	EGN	HETTJNCT
Location	East	North	London	Region	Project
					PG1

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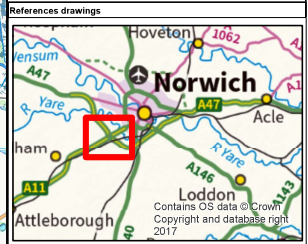


**Key to symbols**

- DCO site boundary
- Indicative 1km buffer

**Surface water flood risk**

- 1 in 30yr extent
- 1 in 100yr extent
- 1 in 1000yr extent



Rev	Date	Amendment Details	Drawn	Checked	Appr'd



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**A47/A11 Thickthorn Junction**

**Figure 13.3  
Risk of flooding from surface water**

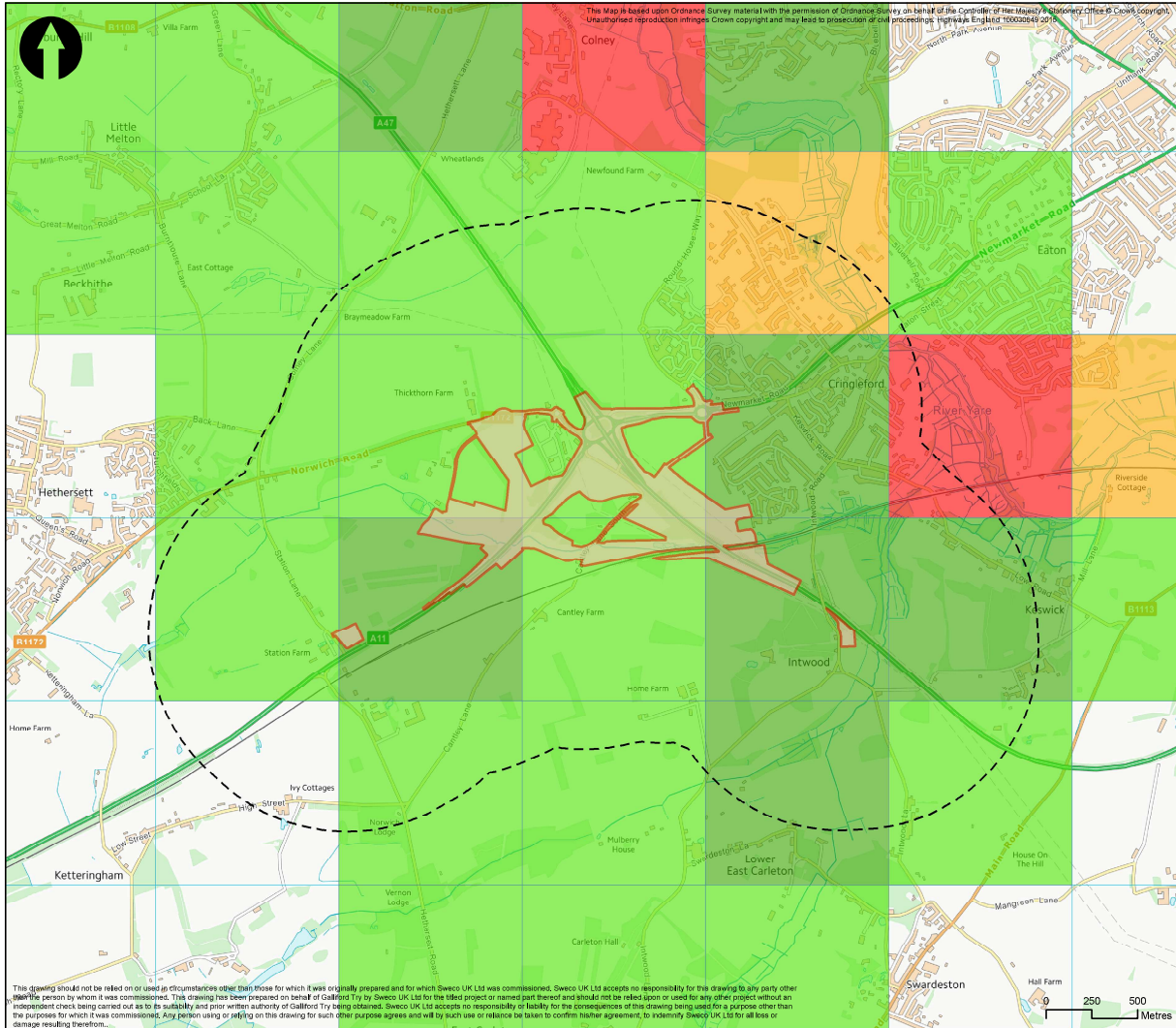
Scale	Design	Issue	Drawn	Checked	Approved
1:2500	15/04/19	15/04/19	15/04/19	15/04/19	15/04/19

Project No:	HETTJCT - 000000 - EGN -	Project Title:	HETTJCT
Drawing Name:	000 - RP - LX -	Revision:	00000
			PG1

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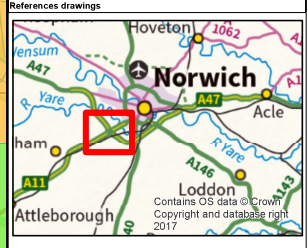
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**Key to symbols**

- DCO site boundary
- Indicative 1km buffer

**Susceptibility to groundwater flooding**

- < 25%
- >= 25% < 50%
- >= 50% < 75%
- >= 75%



Rev.	Date	Amendment Details	Drawn	Checked	Appr'd
001	15/06/19	Issue for Approval		UC	GCN



Drawing Status	For Stage Approval	Sheet	S4
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**A47/A11 Thickthorn Junction**

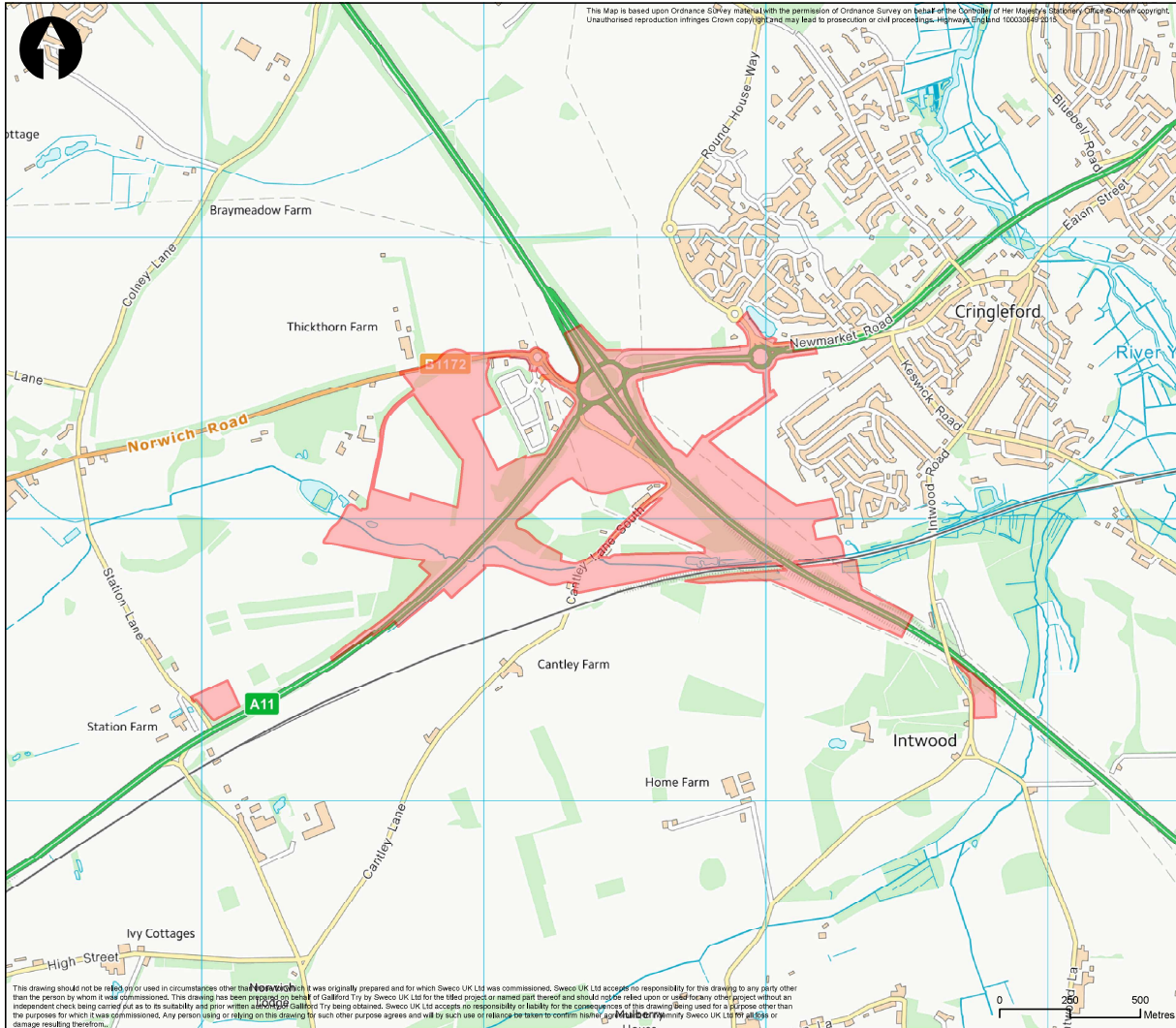
**Figure 13.4 Groundwater flooding**

Scale	Design	Check	Drawn	Checked	Approved
1:2500	05/06/19	15/06/19	15/06/19	15/06/19	15/06/19

Design Number	Project	Location	Sheet No.	Revision
HETTJCT	00000	EGN	00000	PG2

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**Key to symbols**

- DCO site boundary

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**References drawings**



Rev	Date	Amendment Details	Drawn	Checked	Appr'd

**GallifordTry**

**highways england**

For Satge Approval

Sheet: S4

Project: A47/A11 Thickthorn Junction

Figure A.1  
DCO Site Boundary

Scale	Design	Draw	Checked	Approved
1:1000	1:5000	1:5000	1:5000	1:5000

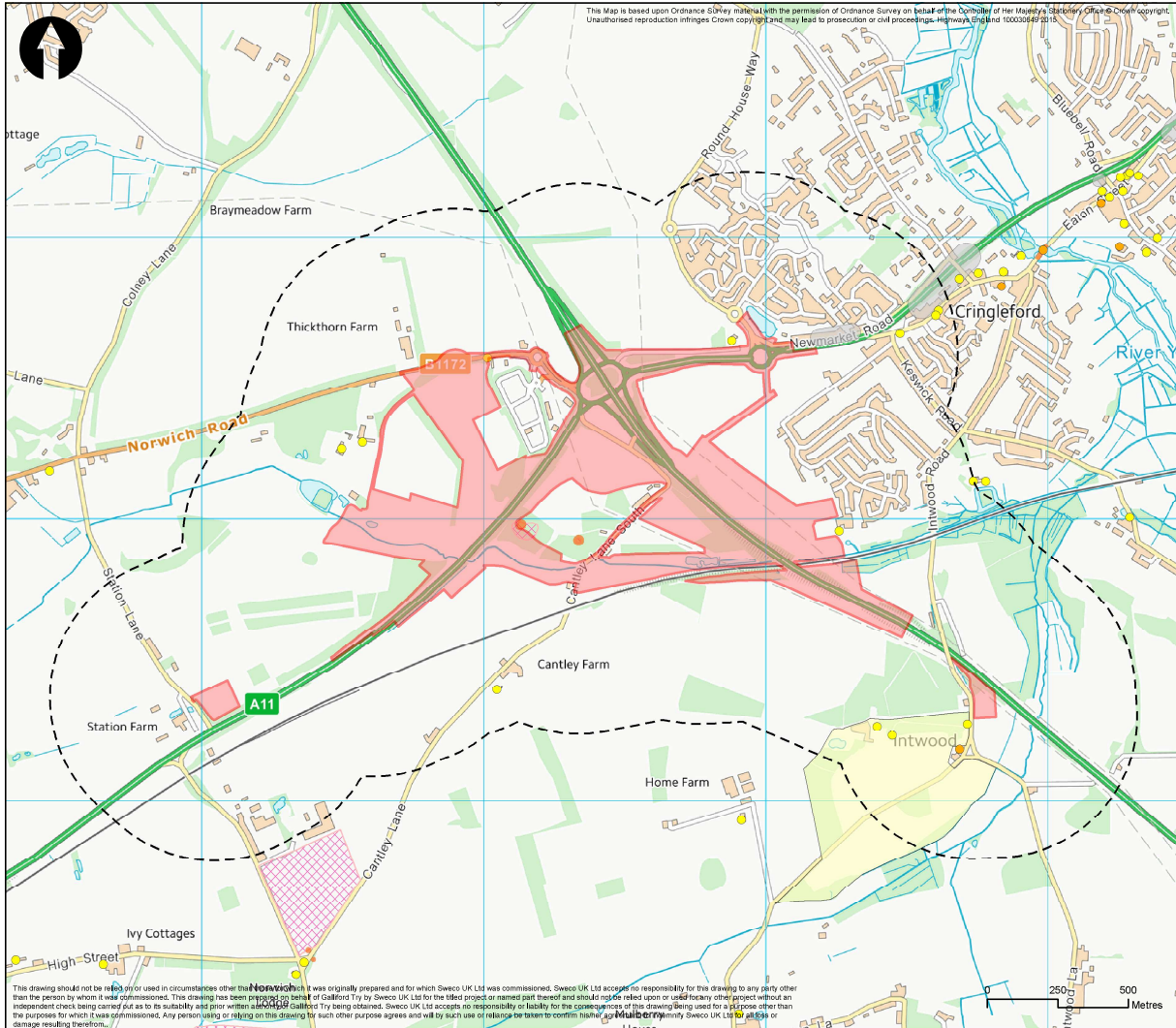
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Project: 000 - RP - LX - 00000

Sheet: PG1

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**Key to symbols**

- DCO site boundary
- Indicative 500m buffer
- Listed Building - Grade II
- II\*
- Registered Parks & Gardens
- Scheduled Monument
- Historic Landfill Sites
- Noise Important Areas (NIA)

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**References drawings**



Rev	Date	Amendment Details	Drawn	Checked	App'd

**GallifordTry**

**highways england**

For Stage Approval

S4

**A47/A11 Thickthorn Junction**

**Figure B.1  
Environmental Constraints Site Level**

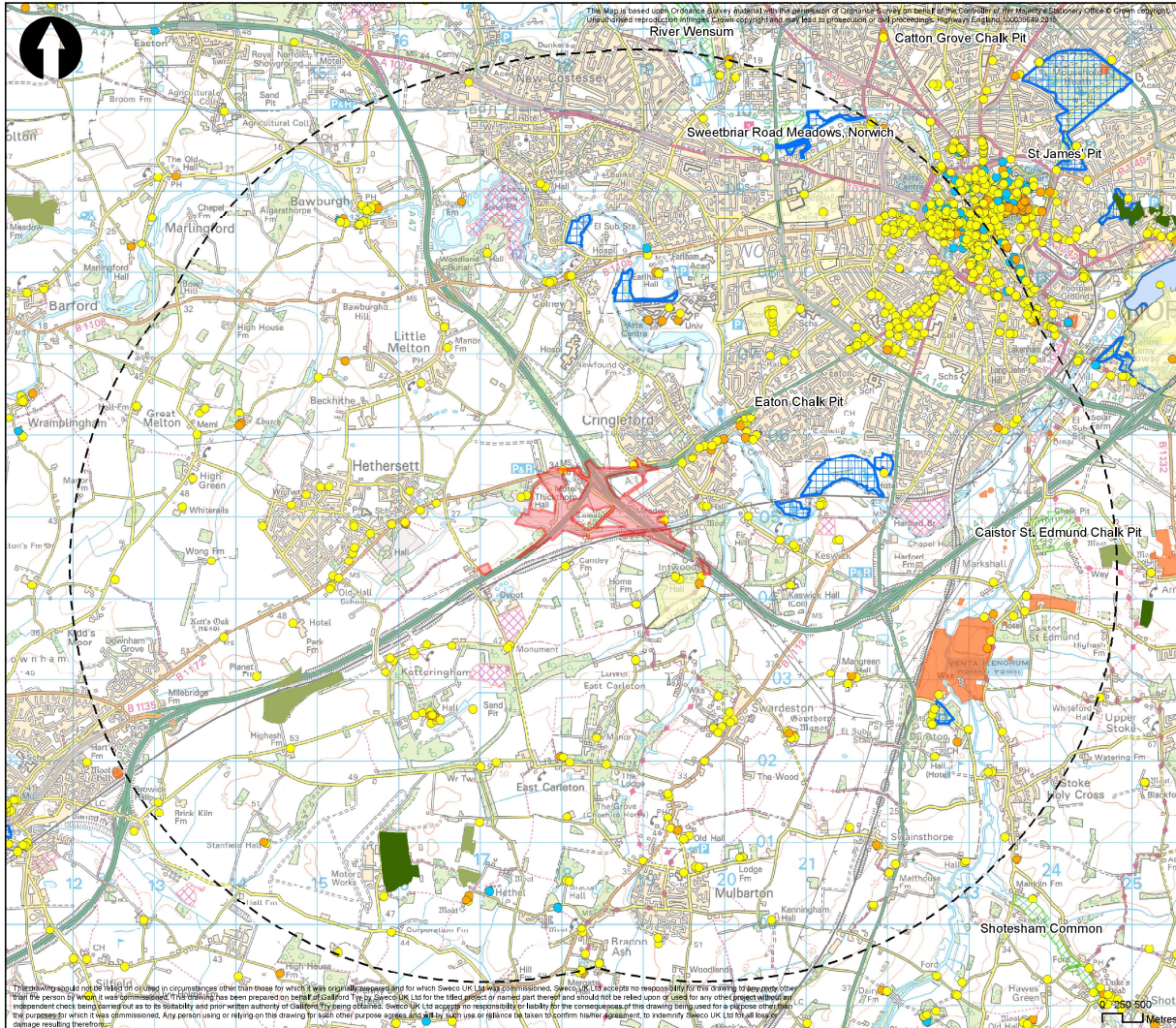
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Drawing Title: HETTJUNCT - 000000 - EGN - HETTJUNCT

Revision: 000 - RP - LX - 00000

Project: PG1

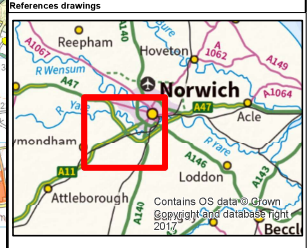
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**Key to symbols**

- DCO site boundary
- Indicative 5km buffer
- Listed Building - Grade**
- I
- II
- II\*
- countryparks
- Registered Parks & Gardens
- Scheduled Monument
- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Local Nature Reserve (LNR)
- Site of Special Scientific Interest (SSSI)
- Special Area Conservation (SAC)
- Historic Landfill Sites
- Noise Important Areas (NIA)

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For Stage Approval Sketch S4

**A47/A11 Thickthorn Junction**

**Figure B.2 Environmental Constraints Wider Context**

Scale	Design	Check	Drawn	Checked	Approved
1:1000	05/01/19	05/01/19	05/01/19	05/01/19	05/01/19
000	RP	LX	00000	EGN	HETTJUCT
000	RP	LX	00000	EGN	HETTJUCT
000	RP	LX	00000	EGN	HETTJUCT

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