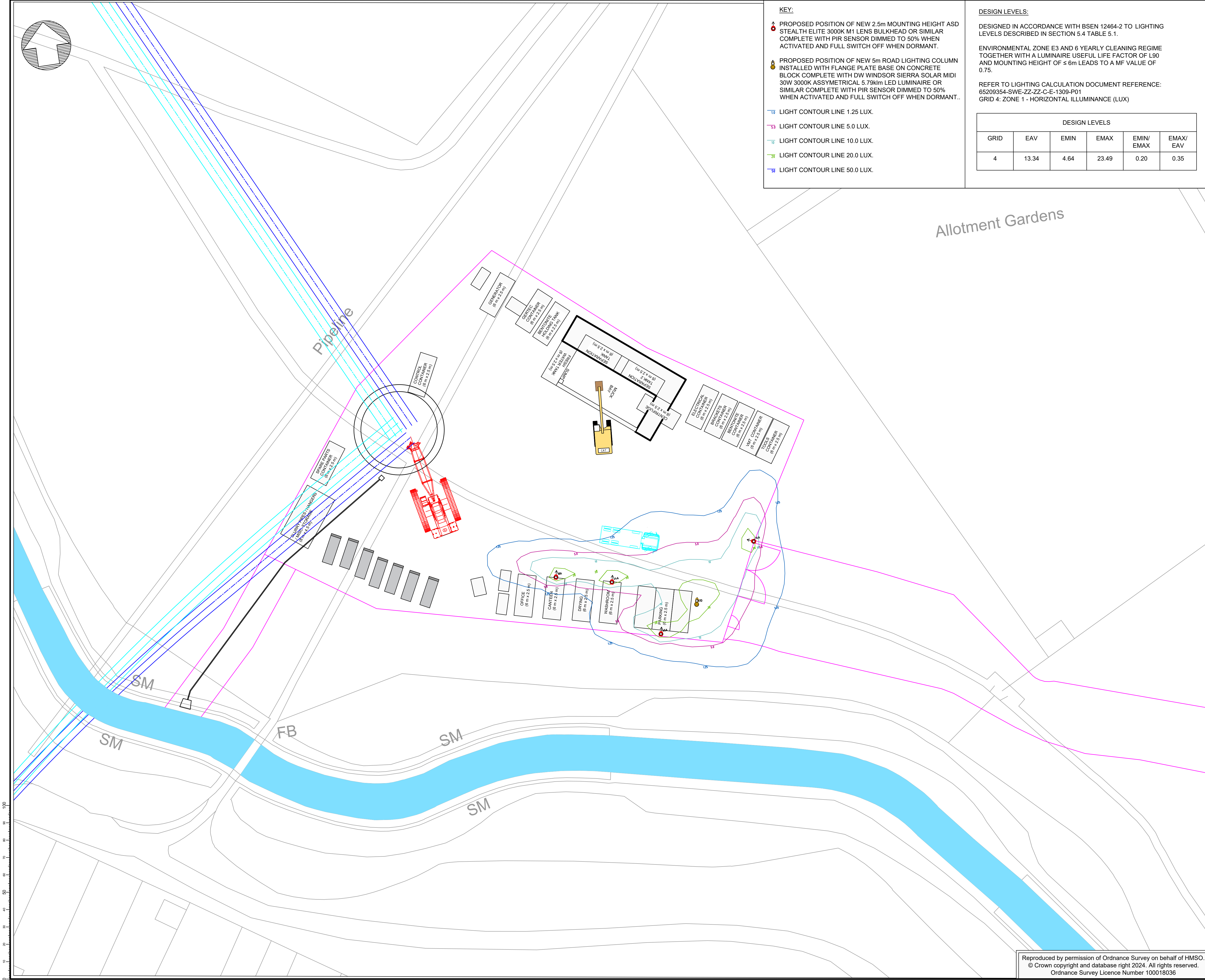




KEY:

- ▲ PROPOSED POSITION OF NEW 2.5m MOUNTING HEIGHT ASD STEALTH ELITE 3000K M1 LENS BULKHEAD OR SIMILAR COMPLETE WITH PIR SENSOR DIMMED TO 50% WHEN ACTIVATED AND FULL SWITCH OFF WHEN DORMANT.
- PROPOSED POSITION OF NEW 5m ROAD LIGHTING COLUMN INSTALLED WITH FLANGE PLATE BASE ON CONCRETE BLOCK COMPLETE WITH DW WINDSOR SIERRA SOLAR MIDI 30W 3000K ASSYMETRICAL 5.79klm LED LUMINAIRE OR SIMILAR COMPLETE WITH PIR SENSOR DIMMED TO 50% WHEN ACTIVATED AND FULL SWITCH OFF WHEN DORMANT..

1.25 LUX.

5.0 LUX.

10.0 LUX.

20.0 LUX.

50.0 LUX.

DESIGN LEVELS:

DESIGNED IN ACCORDANCE WITH BSEN 12464-2 TO LIGHTING LEVELS DESCRIBED IN SECTION 5.4 TABLE 5.1.

ENVIRONMENTAL ZONE E3 AND 6 YEARLY CLEANING REGIME TOGETHER WITH A LUMINAIRE USEFUL LIFE FACTOR OF L90 AND MOUNTING HEIGHT OF ≤ 6m LEADS TO A MF VALUE OF 0.75.

REFER TO LIGHTING CALCULATION DOCUMENT REFERENCE: 65209354-SWE-ZZ-ZZ-C-E-1309-P01
GRID 4: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
4	13.34	4.64	23.49	0.20	0.35

NOTES

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KEY PLAN

P01	04.04.2025	FIRST ISSUE	AB	DH	KR
Rev	Date	Amendment Details	Dr'n	Chk'	App'

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SWECO

Client

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING WORK SITE 4 SHEET 7 OF 10

Purpose Of Issue

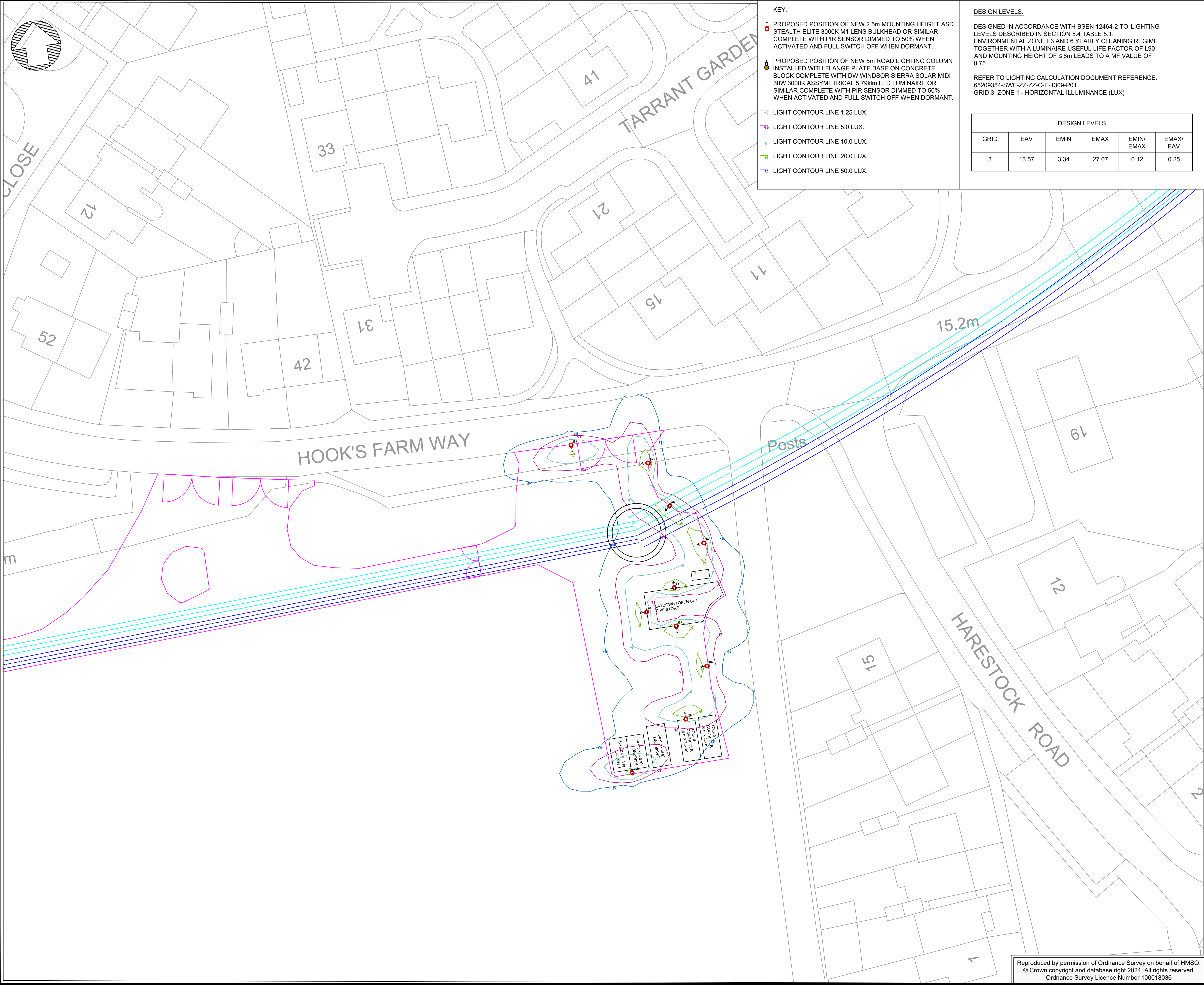
PRELIMINARY

Status	S3 FOR REVIEW AND COMMENT			
Drawn	Designed	Checked	Approved	
AM	AB	DH	KR	
Sheet Size	Scale	Sweco Ref	Revision	
A1	1:250	65209354	P01	

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2007

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KEY:

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- LIGHT CONTOUR LINE 1.25 LUX.
- LIGHT CONTOUR LINE 5.0 LUX.
- LIGHT CONTOUR LINE 10.0 LUX.
- LIGHT CONTOUR LINE 20.0 LUX.
- LIGHT CONTOUR LINE 50.0 LUX.

DESIGN LEVELS:

DESIGNED IN ACCORDANCE WITH BSEN 12464-2 TO LIGHTING LEVELS DESCRIBED IN SECTION 5.4 TABLE 5.1.
ENVIRONMENTAL ZONE E3 AND 6 YEARLY CLEANING REGIME TOGETHER WITH A LUMINAIRE USEFUL LIFE FACTOR OF L90 AND MOUNTING HEIGHT OF ≤ 6m LEADS TO A MF VALUE OF 0.75.

REFER TO LIGHTING CALCULATION DOCUMENT REFERENCE:
65209354-SWE-ZZ-ZZ-C-E-1309-P01
GRID 3: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
3	13.57	3.34	27.07	0.12	0.25

NOTES

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KEY PLAN

P01	04.04.2025	FIRST ISSUE	AB	DH	KR
Rev	Date	Amendment Details	Dr'n	Chk'	App'

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Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING WORK SITE 3 SHEET 8 OF 10

Purpose Of Issue

PRELIMINARY

Status

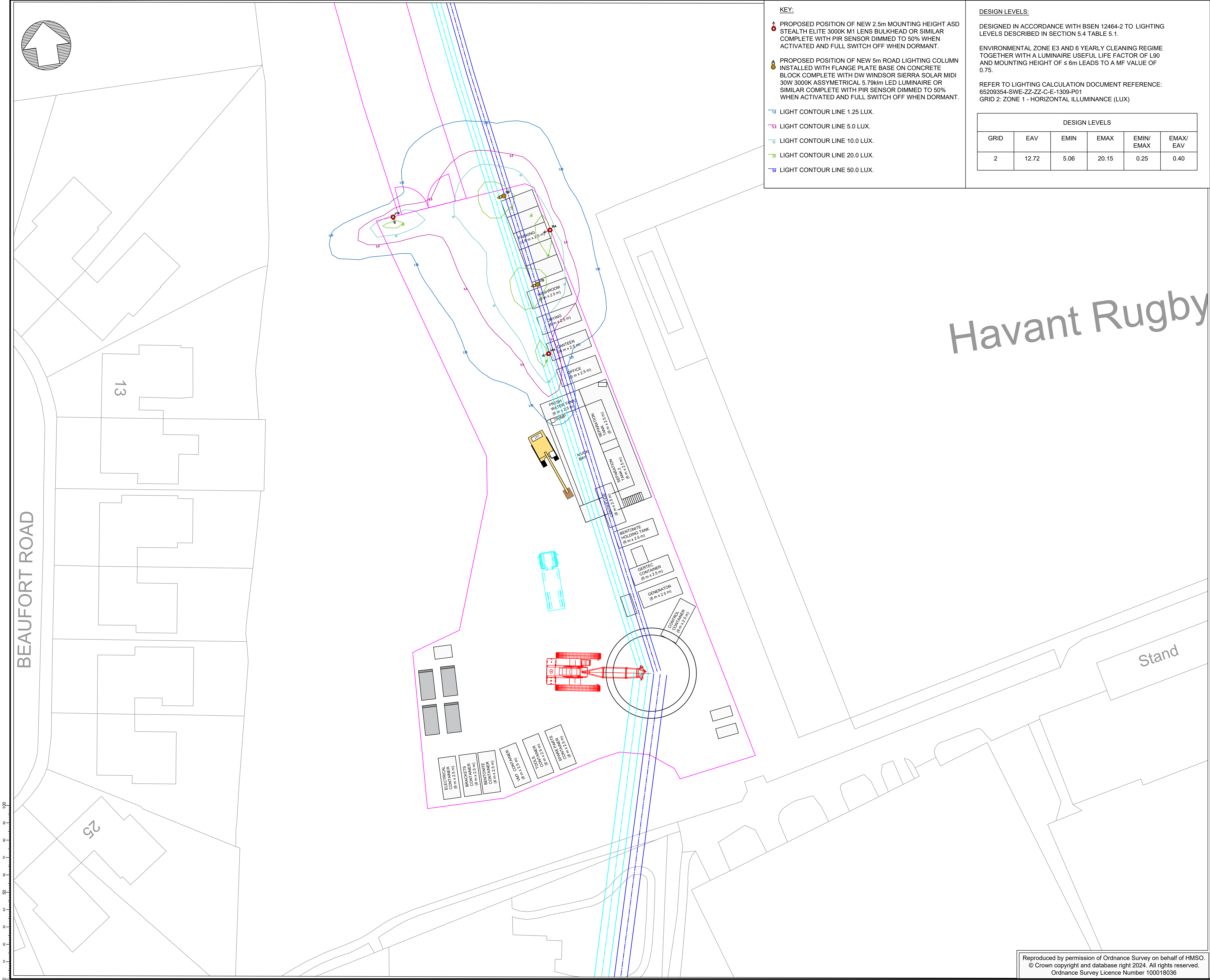
S3 FOR REVIEW AND COMMENT

Drawn	Designed	Checked	Approved
AM	AB	DH	KR
Sheet Size	Scale	Sweco Ref	Revision
A1	1:250	65209354	P01

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2008

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KEY:

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— LIGHT CONTOUR LINE 1.25 LUX.

— LIGHT CONTOUR LINE 5.0 LUX.

— LIGHT CONTOUR LINE 10.0 LUX.

— LIGHT CONTOUR LINE 20.0 LUX.

— LIGHT CONTOUR LINE 50.0 LUX.

DESIGN LEVELS:

DESIGNED IN ACCORDANCE WITH BSEN 12464-2 TO LIGHTING LEVELS DESCRIBED IN SECTION 5.4 TABLE 5.1.

ENVIRONMENTAL ZONE E3 AND 6 YEARLY CLEANING REGIME TOGETHER WITH A LUMINAIRE USEFUL LIFE FACTOR OF L90 AND MOUNTING HEIGHT OF ≤ 6m LEADS TO A MF VALUE OF 0.75.

REFER TO LIGHTING CALCULATION DOCUMENT REFERENCE: 65209354-SWE-ZZ-ZZ-C-E-1309-P01

GRID 2: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
2	12.72	5.06	20.15	0.25	0.40

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P01	04.04.2025	FIRST ISSUE	AB	DH	KR
Rev	Date	Amendment Details	Dr'n	Chk'	App'

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Client

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING WORK SITE 2 SHEET 9 OF 10

Purpose Of Issue

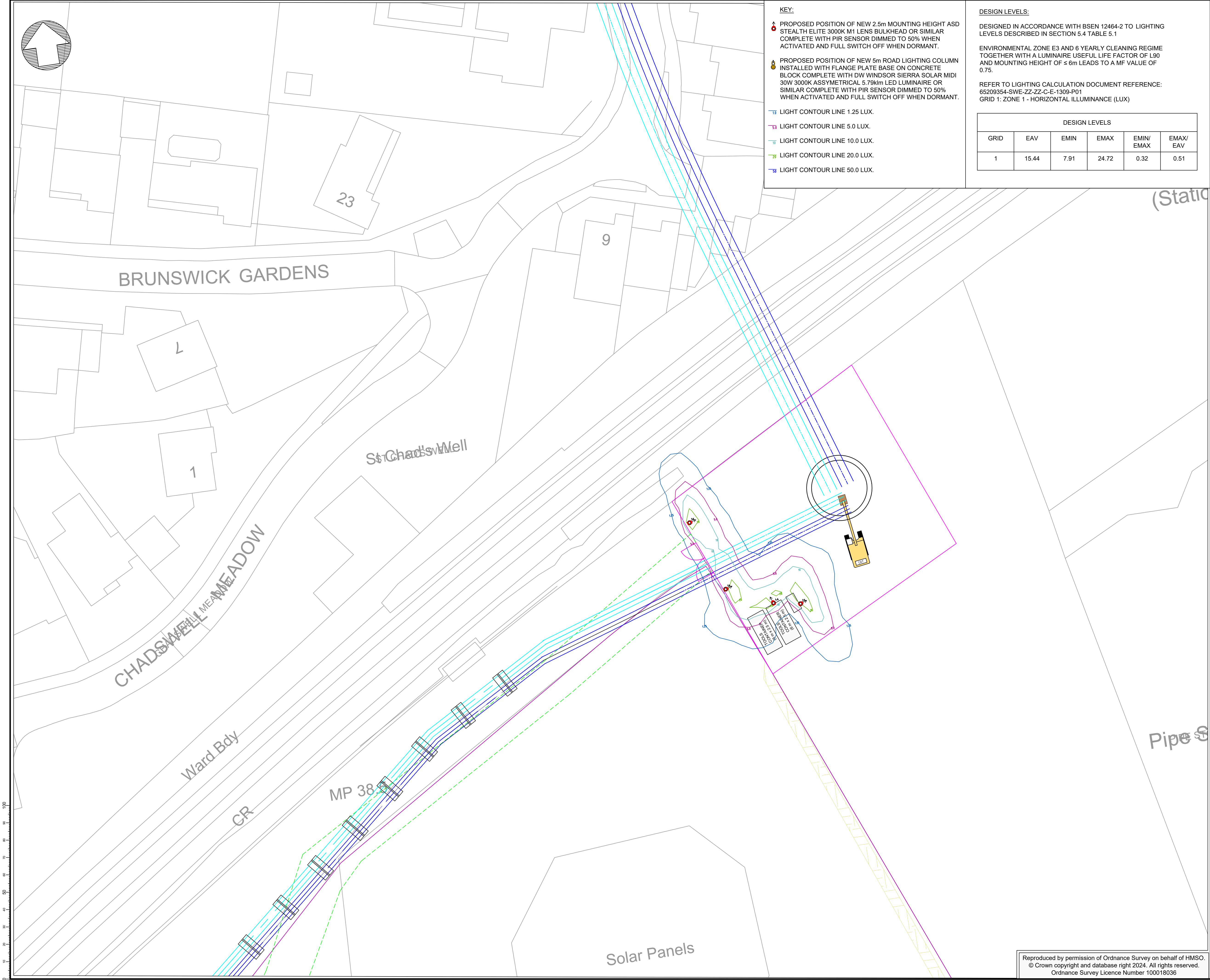
PRELIMINARY

Status	S3 FOR REVIEW AND COMMENT						
Drawn	AM	Designed	AB	Checked	DH	Approved	KR
Sheet Size	A1	Scale	1:250	Sweco Ref	65209354	Revision	P01

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2009

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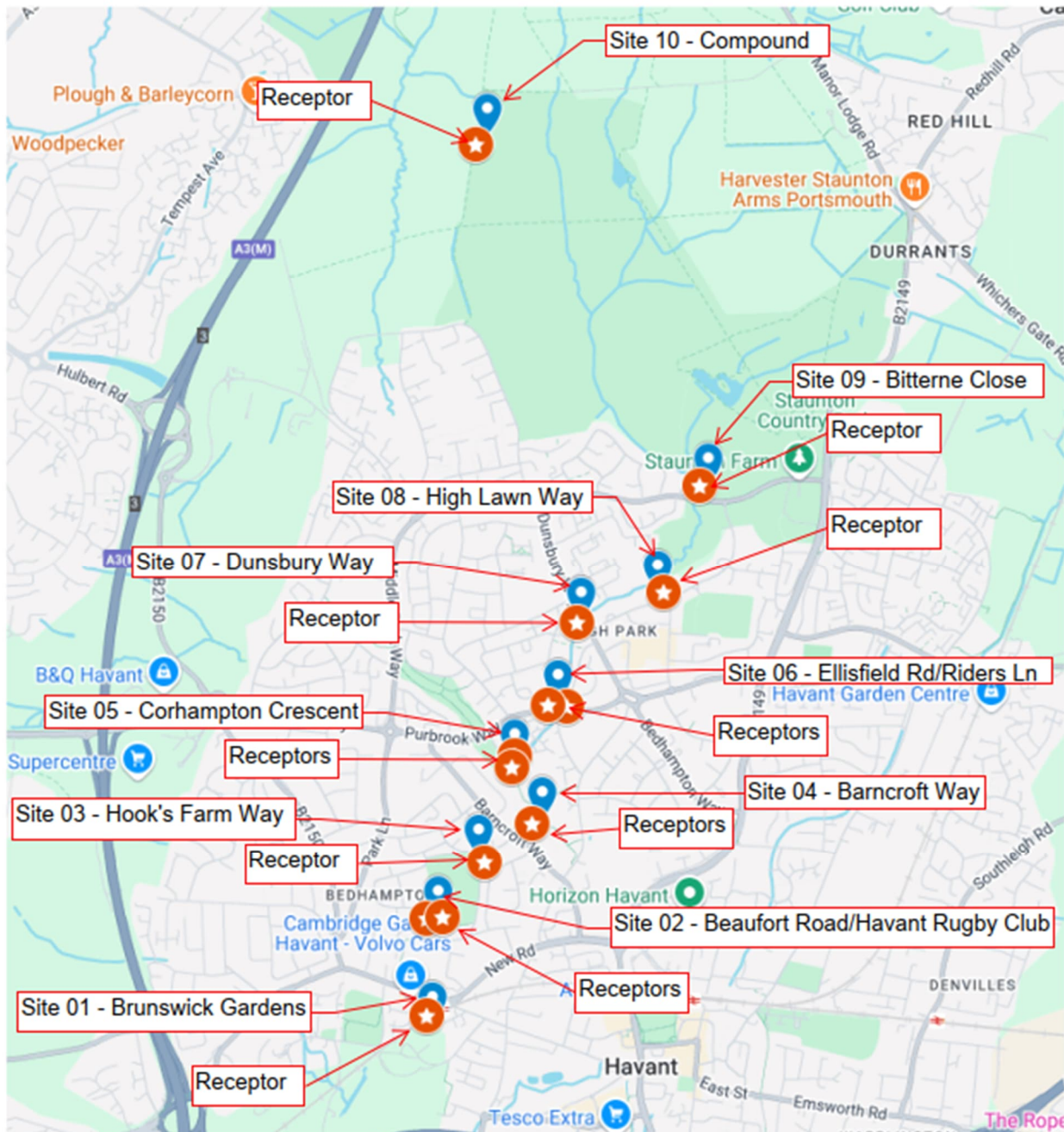
THIS DRAWING

KEY PLAN

P01	04.04.2025	FIRST ISSUE	AB	DH	KR
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<p>Client</p> <p>WARD & BURKE</p>					
<p>Project Title</p> <p>HAVANT THICKET RESERVOIR</p>					
<p>Drawing Title</p> <p>PROPOSED SECURITY LIGHTING SITE 1 SHEET 10 OF 10</p>					
<p>Purpose Of Issue</p> <p>PRELIMINARY</p>					
<p>Status</p> <p>S3</p>		<p>Status Description</p> <p>FOR REVIEW AND COMMENT</p>			
<p>Drawn</p> <p>AM</p>	<p>Designed</p> <p>AB</p>	<p>Checked</p> <p>DH</p>	<p>Approved</p> <p>KR</p>		
<p>Sheet Size</p> <p>A1</p>	<p>Scale</p> <p>1:250</p>	<p>Sweco Ref</p> <p>65209354</p>	<p>Revision</p> <p>P01</p>		
<p>Drawing Number</p> <p>65209354-SWE-ZZ-ZZ-D-E-2010</p>					

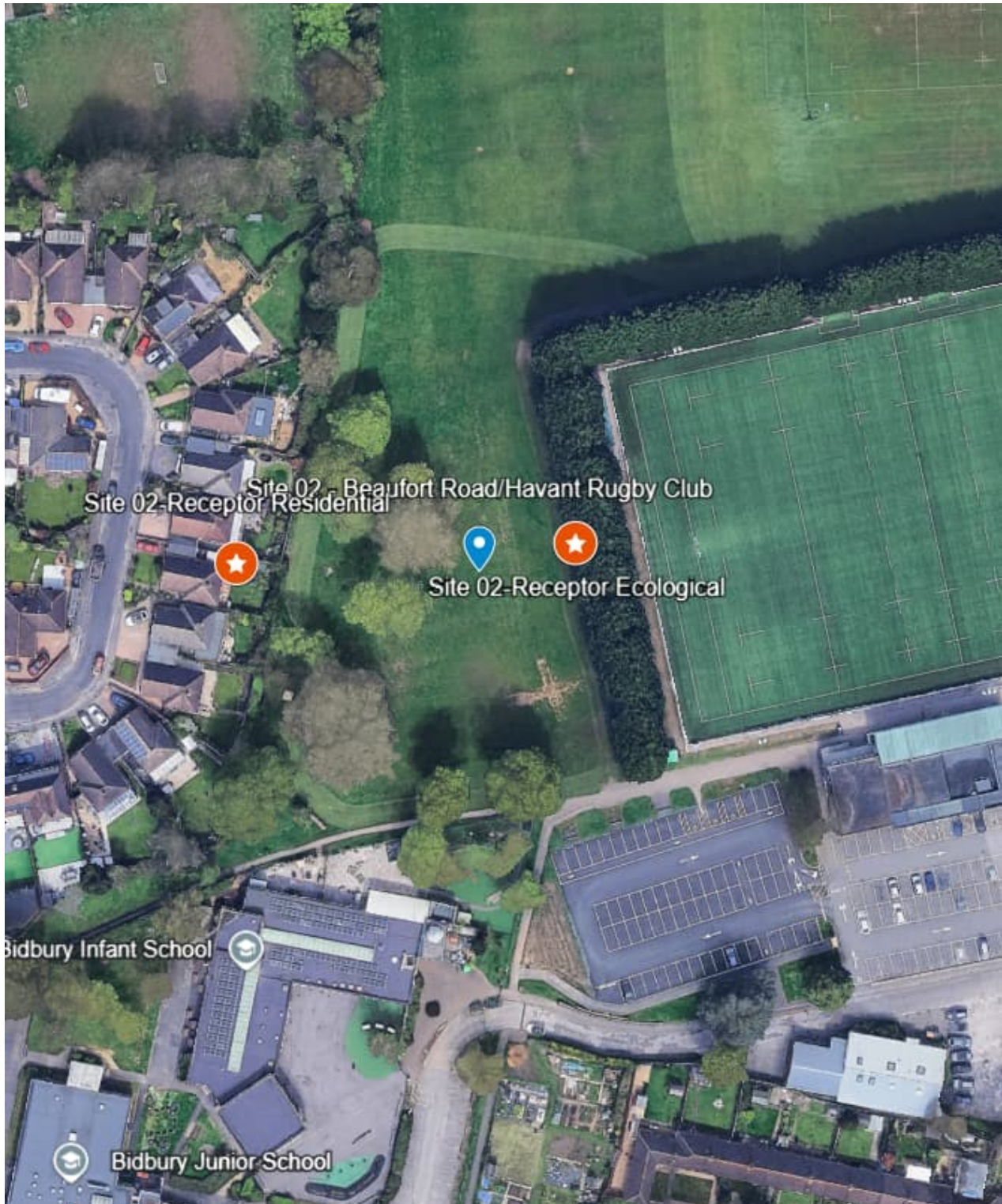
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Appendix B – Receptor Location Map Overview



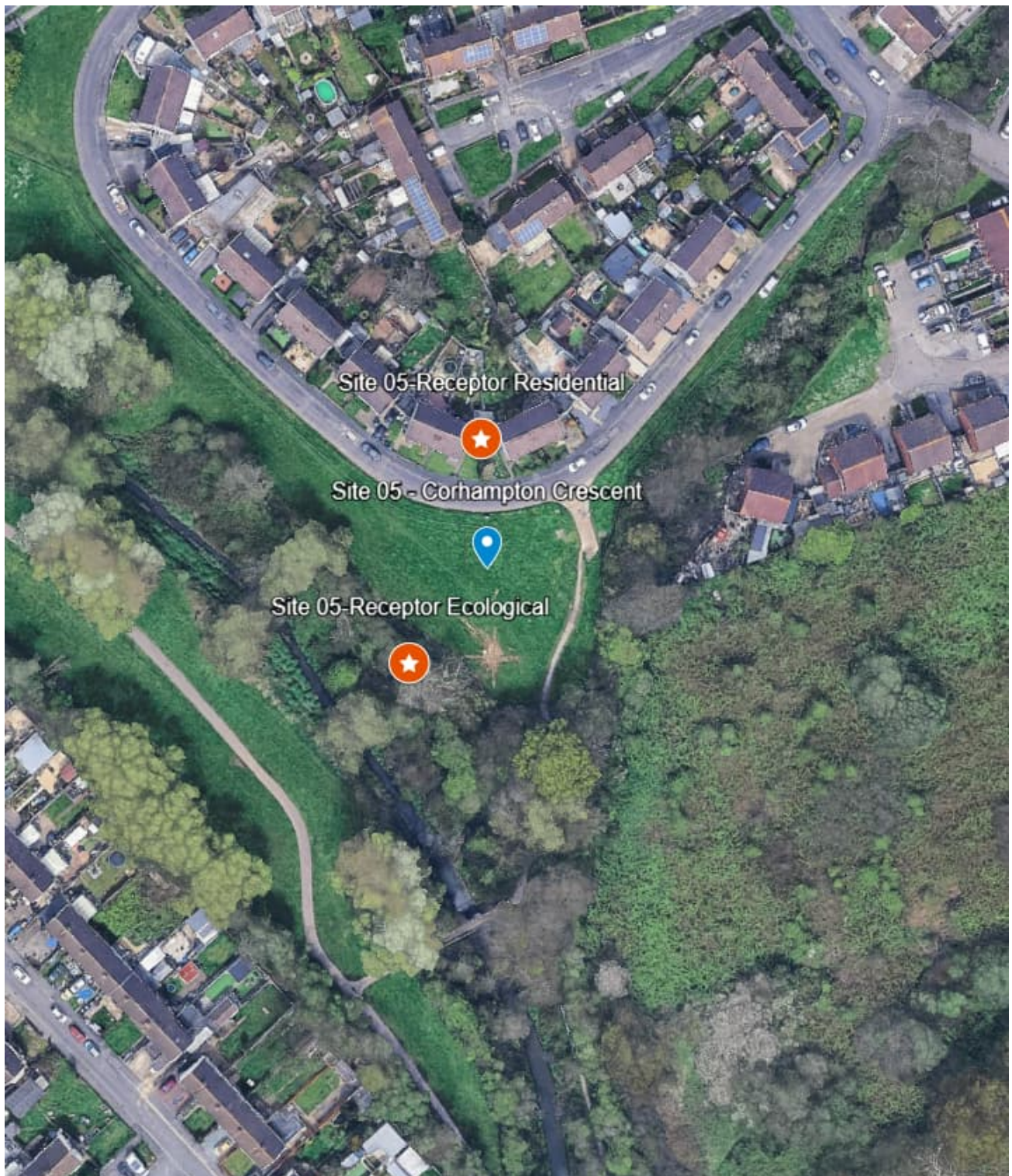
Appendix C – Individual Receptor Location Maps

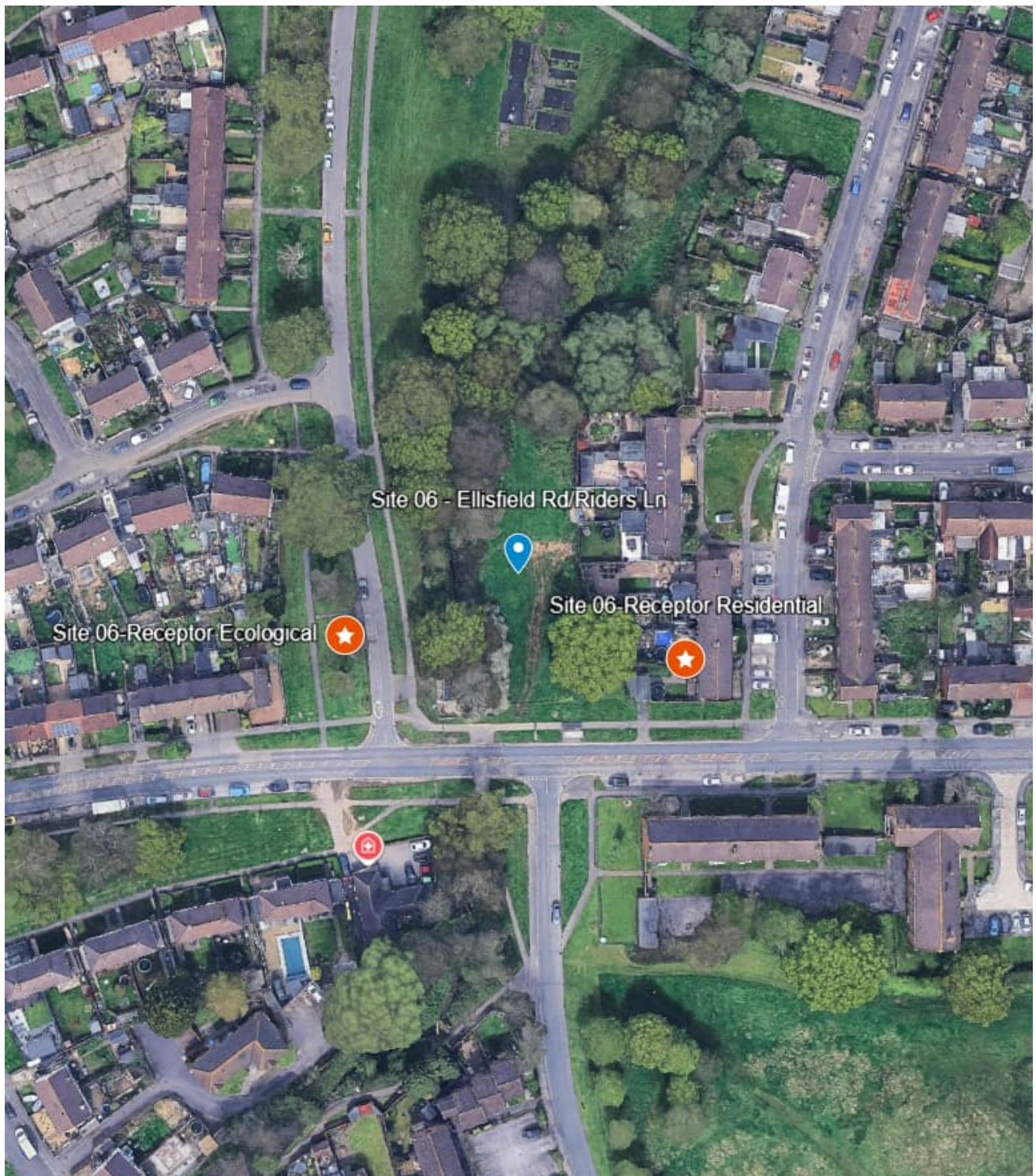




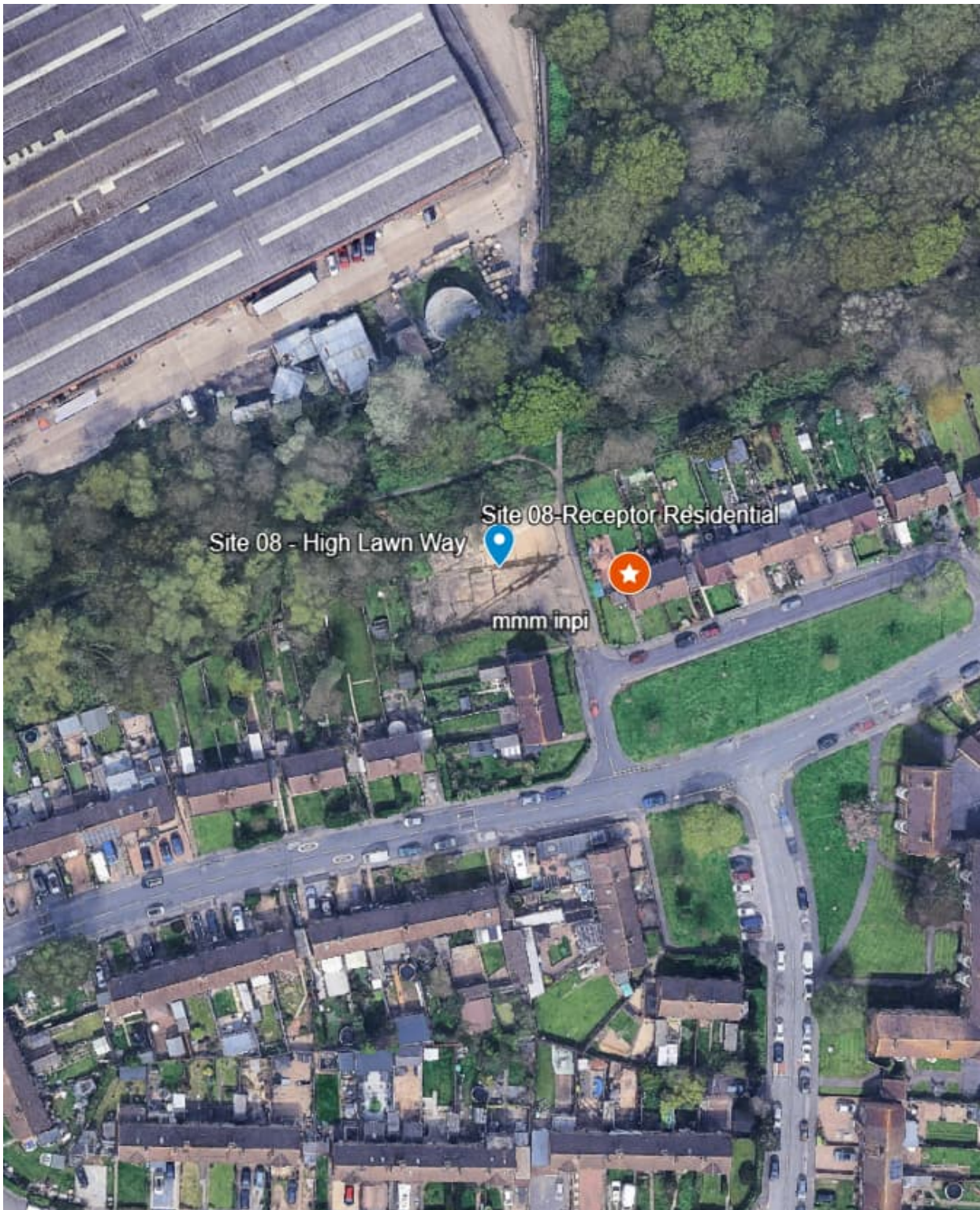


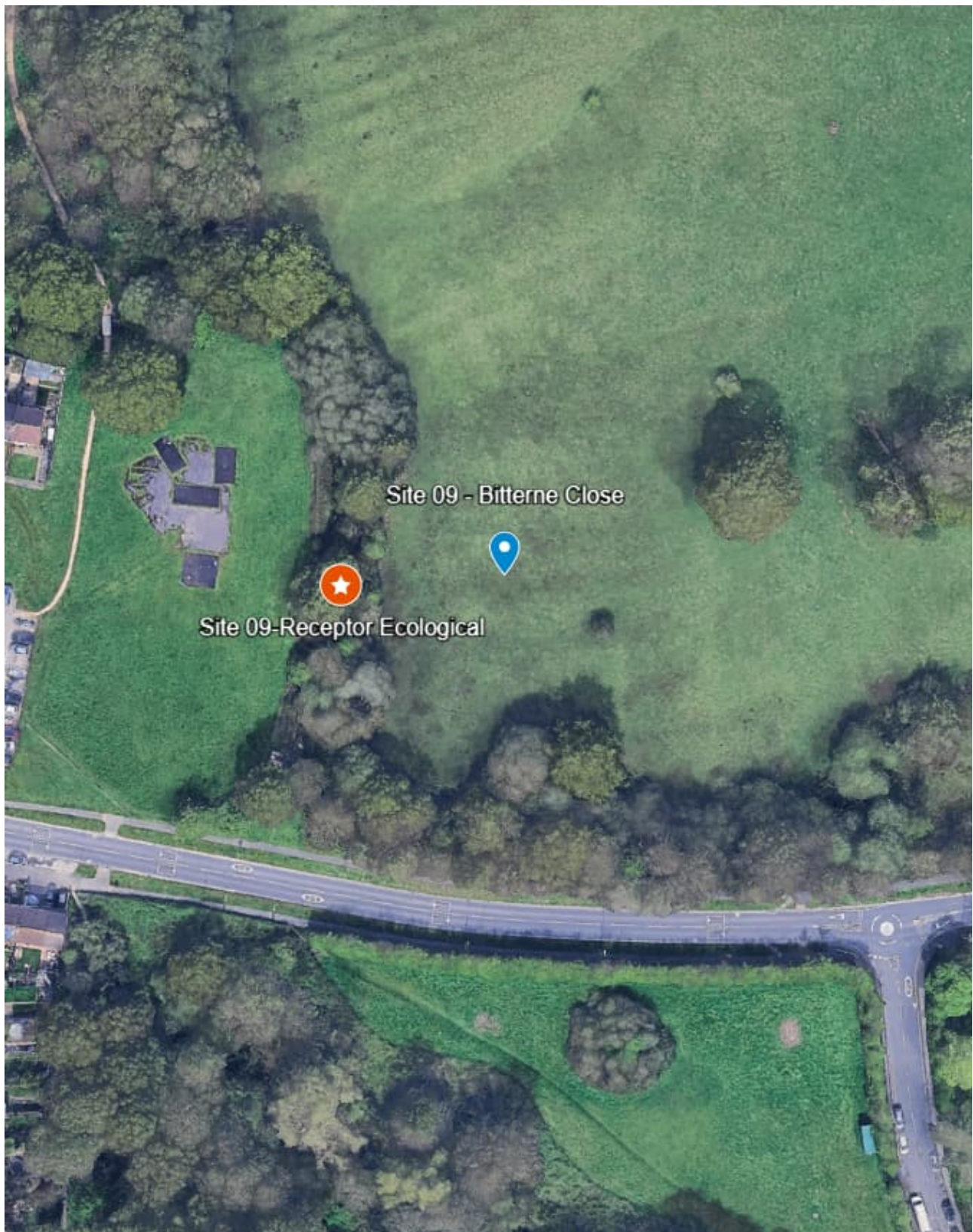


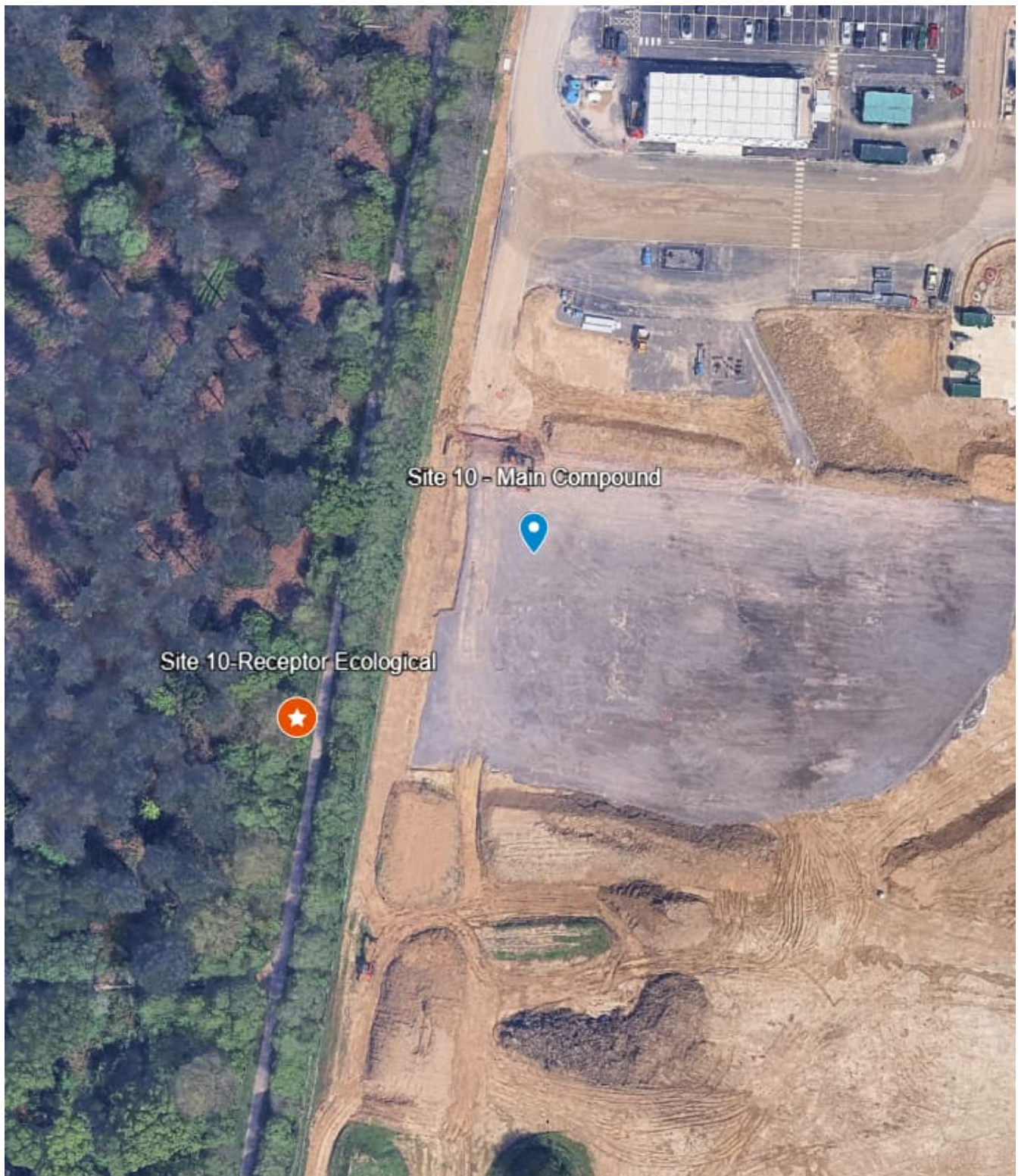












Appendix D – Example Solar Power Design