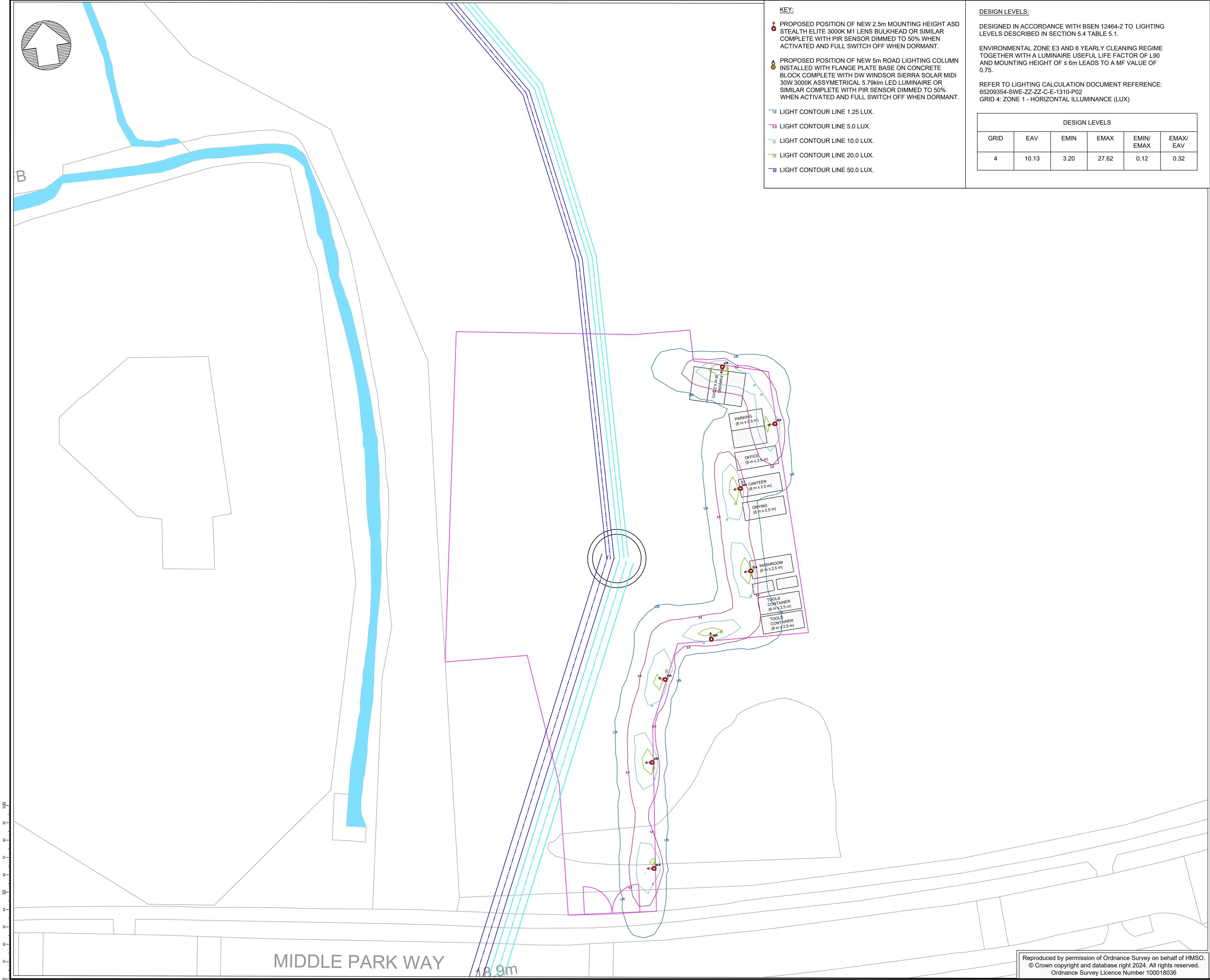




KEY:

▲ 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 LIGHT CONTOUR LINE 1.25 LUX.

5.0 LIGHT CONTOUR LINE 5.0 LUX.

10.0 LIGHT CONTOUR LINE 10.0 LUX.

20.0 LIGHT CONTOUR LINE 20.0 LUX.

50.0 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-1310-P02
GRID 4: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
4	10.13	3.20	27.62	0.12	0.32

NOTES

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THIS DRAWING

KEY PLAN

P02	26.08.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR
Rev	Date	Amendment Details	Dr'n	Chk'	App'

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING WORK SITE 9 SHEET 2 OF 10

Purpose Of Issue

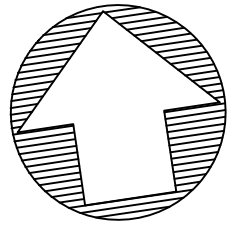
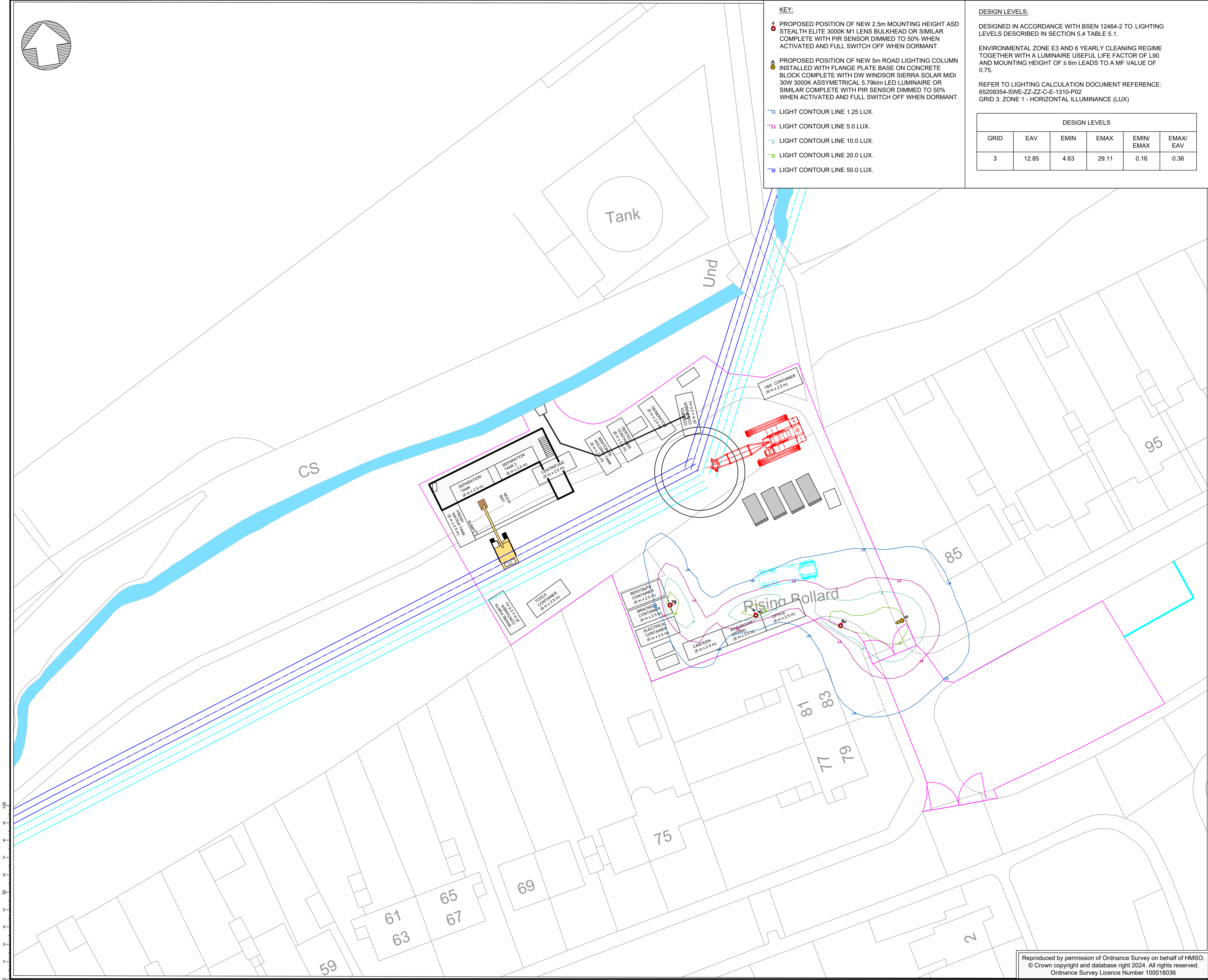
PRELIMINARY

Status	S3 FOR REVIEW AND COMMENT						
Drawn	AM	Designed	AB	Checked	DH	Approved	KR
Sheet Size	A1	Scale	1:250	Sweco Ref	65209354	Revision	P02

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2002

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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.
- 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.

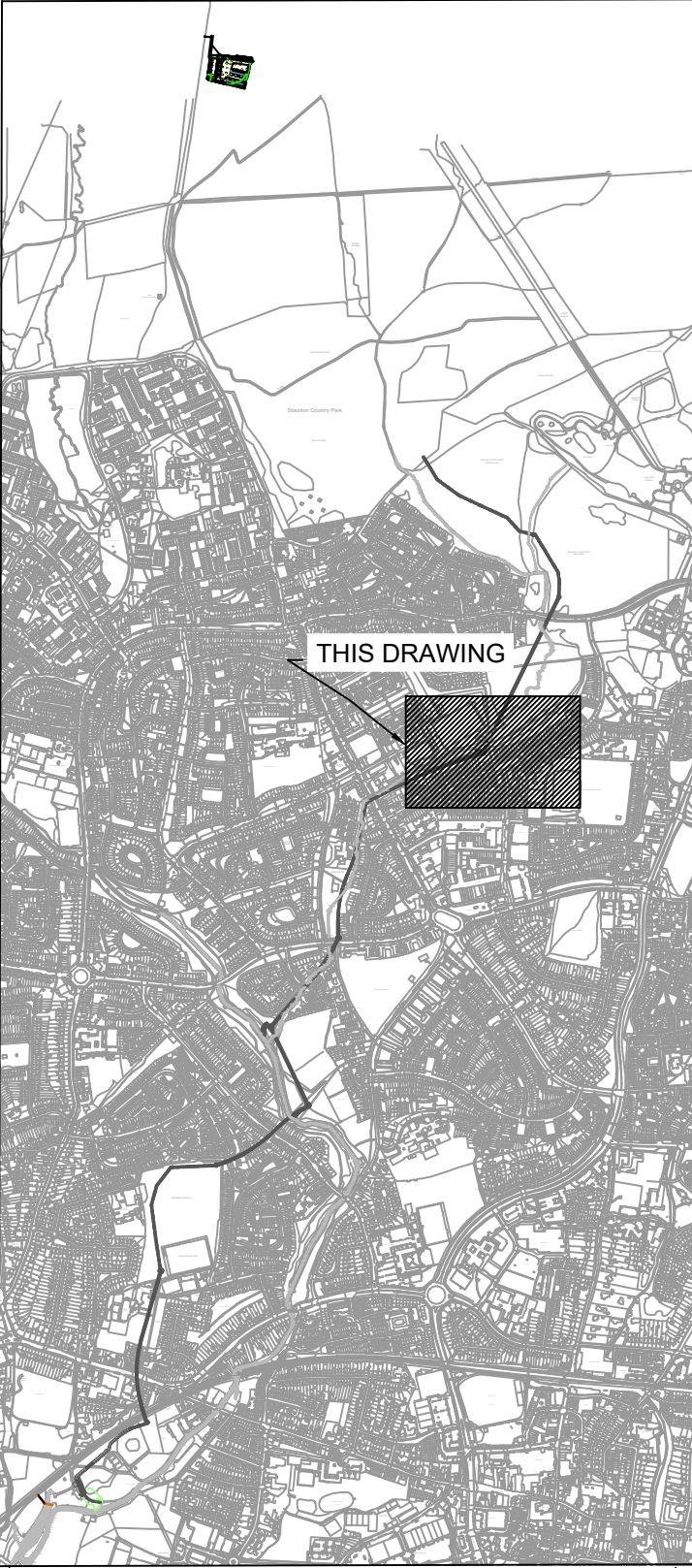
ENVIRONMENTAL ZONE E3 AND 6 YEARLY CLEANING REGIME TOGETHER WITH A LUMINAIRE USEFUL LIFE FACTOR OF L90 AND MOUNTING HEIGHT OF ≤ 6m LEADS TO A MF VALUE OF 0.75.

REFER TO LIGHTING CALCULATION DOCUMENT REFERENCE: 65209354-SWE-ZZ-ZZ-C-E-1310-P02
GRID 3: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
3	12.85	4.63	29.11	0.16	0.36

NOTES

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KEY PLAN

P02	26.08.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
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

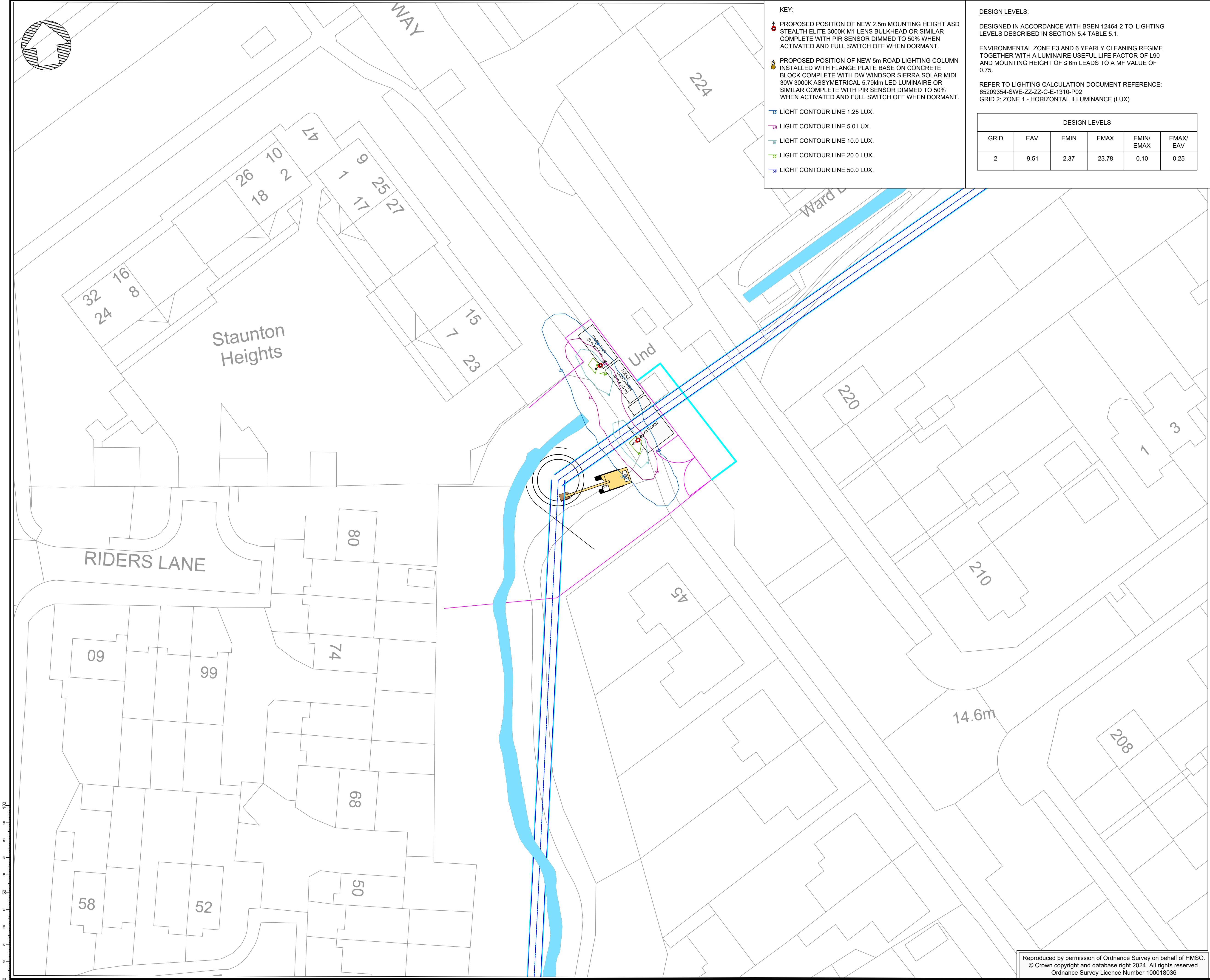
PROPOSED SECURITY LIGHTING WORK SITE 8
SHEET 3 OF 10

Purpose Of Issue			
PRELIMINARY			
Status	Status Description		
S3	FOR REVIEW AND COMMENT		
Drawn	Designed	Checked	Approved
AM	AB	DH	KR
Sheet Size	Scale	Sweco Ref	Revision
A1	1:250	65209354	P02

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2003

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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-1310-P02
GRID 2: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
2	9.51	2.37	23.78	0.10	0.25

NOTES

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THIS DRAWING

KEY PLAN

P02	26.08.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR
Rev	Date	Amendment Details	Dr'n	Chk'	App'

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING WORK SITE 7 SHEET 4 OF 10

Purpose Of Issue

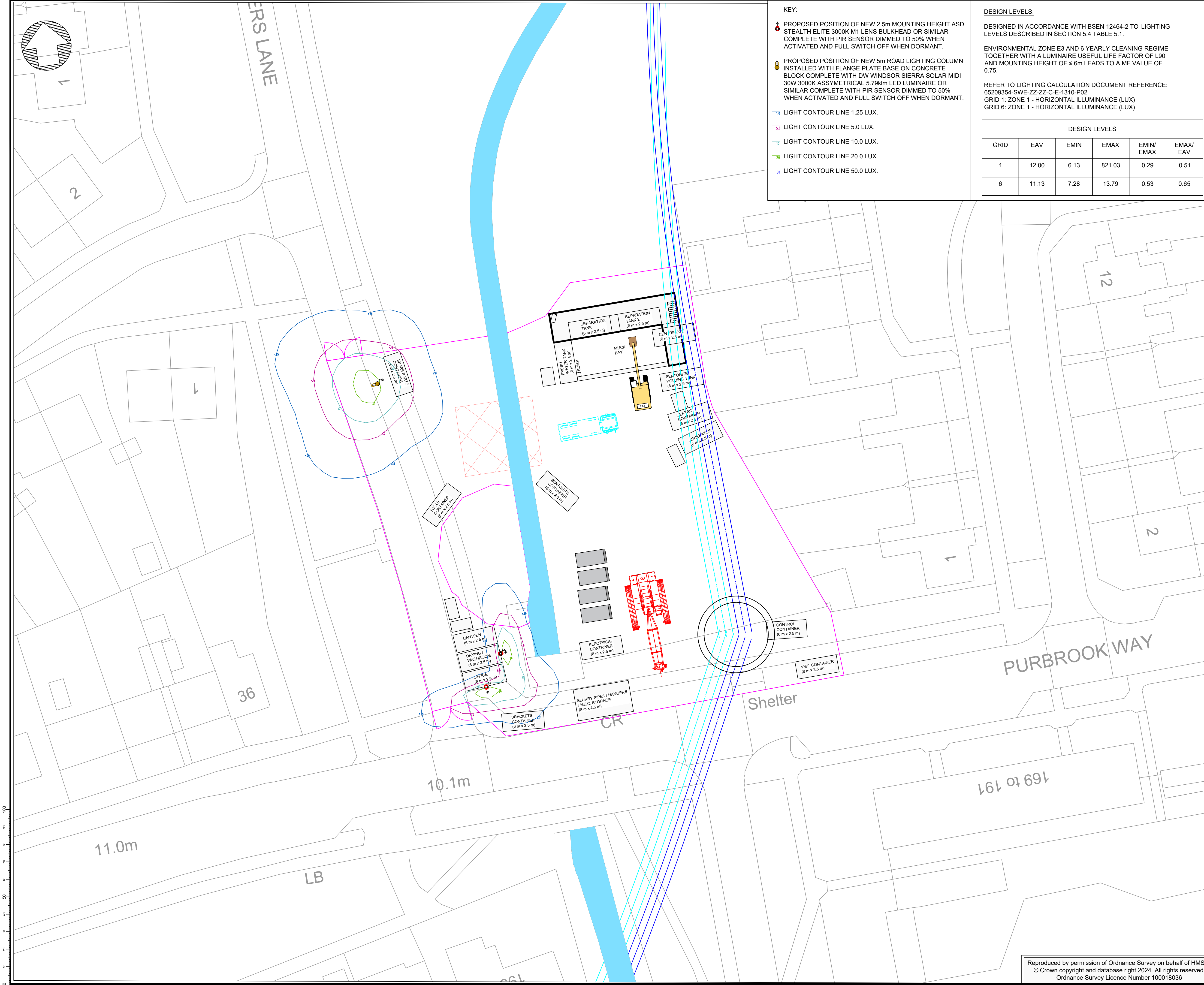
PRELIMINARY

Status	S3 FOR REVIEW AND COMMENT						
Drawn	AM	Designed	AB	Checked	DH	Approved	KR
Sheet Size	A1	Scale	1:250	Sweco Ref	65209354	Revision	P02

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2004

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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 LIGHT CONTOUR LINE 1.25 LUX.
- 5.0 LIGHT CONTOUR LINE 5.0 LUX.
- 10.0 LIGHT CONTOUR LINE 10.0 LUX.
- 20.0 LIGHT CONTOUR LINE 20.0 LUX.
- 50.0 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-1310-P02
GRID 1: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)
GRID 6: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
1	12.00	6.13	821.03	0.29	0.51
6	11.13	7.28	13.79	0.53	0.65

NOTES

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THIS DRAWING

KEY PLAN

P02	26.08.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
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 6
SHEET 5 OF 10

Purpose Of Issue

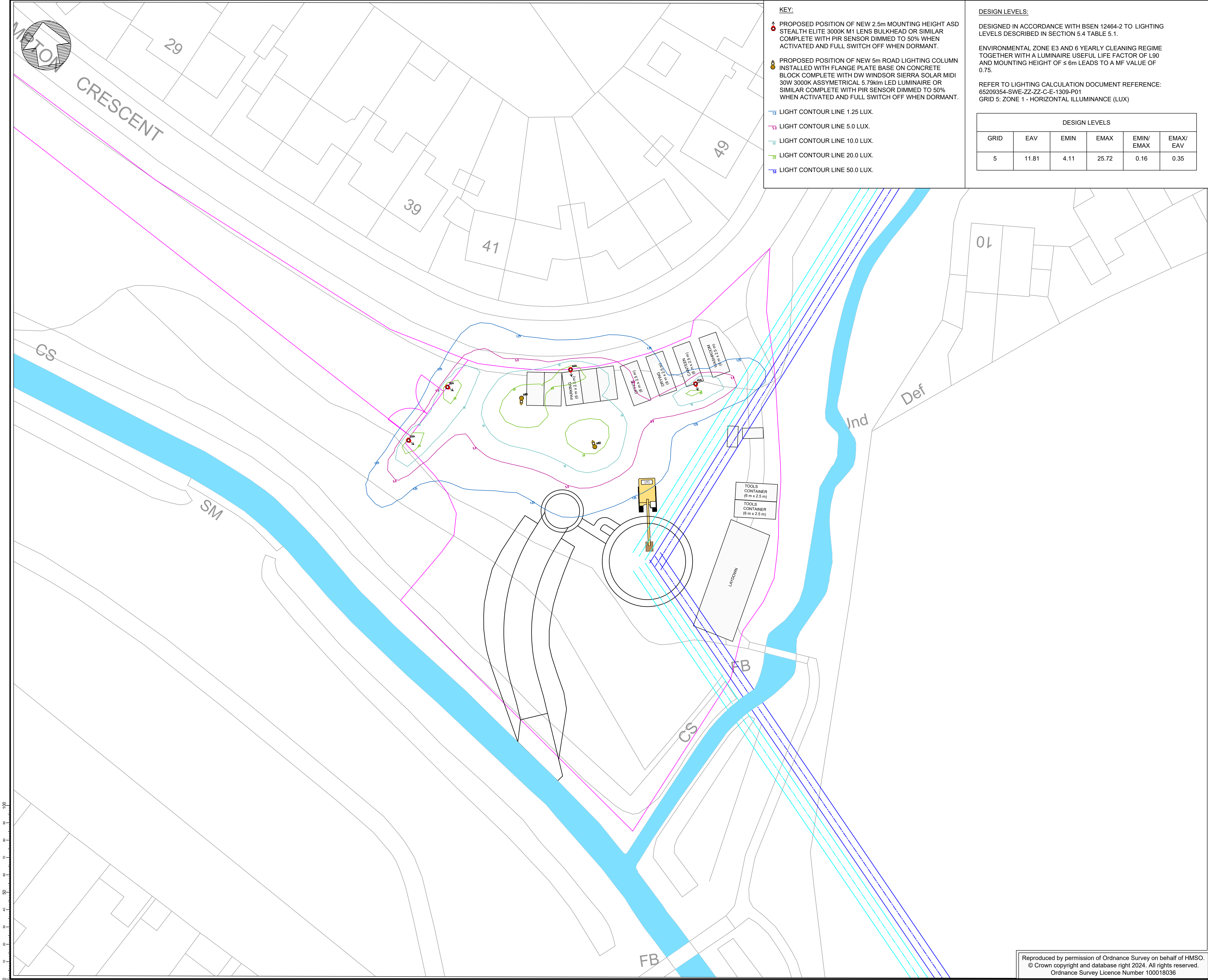
PRELIMINARY

Status	S3	Status Description FOR REVIEW AND COMMENT					
Drawn	AM	Designed	AB	Checked	DH	Approved	KR
Sheet Size	A1	Scale	1:250	Sweco Ref	65209354	Revision	P02

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2005

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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 LIGHT CONTOUR LINE 1.25 LUX.
- 5.0 LIGHT CONTOUR LINE 5.0 LUX.
- 10.0 LIGHT CONTOUR LINE 10.0 LUX.
- 20.0 LIGHT CONTOUR LINE 20.0 LUX.
- 50.0 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 5: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/EMAX	EMAX/EAV
5	11.81	4.11	25.72	0.16	0.35

NOTES

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KEY PLAN

P02	26.08.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
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 5 - EMERGENCY
SITE
SHEET 6 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	P02

Drawing Number

65209354-SWE-ZZ-ZZ-D-E-2006