KEY:

PROPOSED POSITION OF NEW 2.5m MOUNTING HEIGHT ASD STEALTH ELITE 3000K M1 LENS BULKHEAD OR SIMILAR.

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.

PROPOSED POSITION OF NEW 5m ROAD LIGHTING COLUMN INSTALLED WITH FLANGE PLATE BASE ON CONCRETE BLOCK COMPLETE WITH DW WINDSOR SIERRA SOLAR MAX 50W 3000K ASSYMETRICAL 9.43klm LED LUMINAIRE OR SIMILAR.

1.0 LIGHT CONTOUR LINE 1.25 LUX.

5.0 LIGHT CONTOUR LINE 5.0 LUX.

10 LIGHT CONTOUR LINE 10.0 LUX.

20 LIGHT CONTOUR LINE 20.0 LUX.

50 LIGHT CONTOUR LINE 50.0 LUX.

DESIGN LEVELS:

DESIGNED IN ACCORDANCE WITH BSEN 12464-2 TO LIGHTING LEVELS DESCRIBED IN SECTION 5.4 TABLES 5.1 AND 5.3.

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-1301-P01
GRID 7: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)
GRID 8: ZONE 2 - HORIZONTAL ILLUMINANCE (LUX)
65209354-SWE-ZZ-ZZ-C-E-1302-P02
GRID 1: ZONE 3 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/ EMAX	EMAX/ EAV
7	41.76	18.19	80.78	0.23	0.44
8	29.66	11.75	50.05	0.23	0.40
1	51.99	33.64	83.97	0.40	0.65

LAYDOWN / OPEN CUT PIPE STORE

PARKING (8 m x 2.4 m)

PARKING (8 m x 2.4 m)

OFFICE UNIT (8 m x 2.4 m)

TOOLS CONTAINER (8 m x 2.4 m)

NOTES

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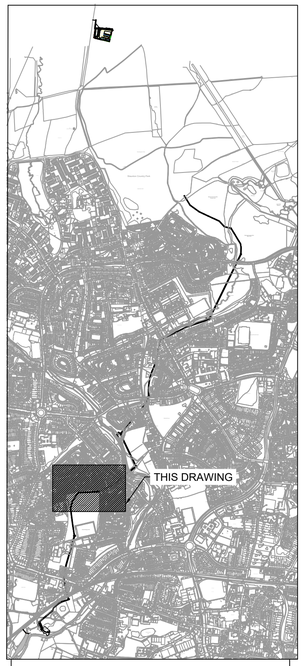
3. ALL DATUM LEVELS ARE IN METRES AND DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.



KEY PLAN

Rev	Date	Amendment Details	Dr'n	Chk'	App'
P02	30.09.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SITE LIGHTING
WORK SITE 3
SHEET 8 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-1008

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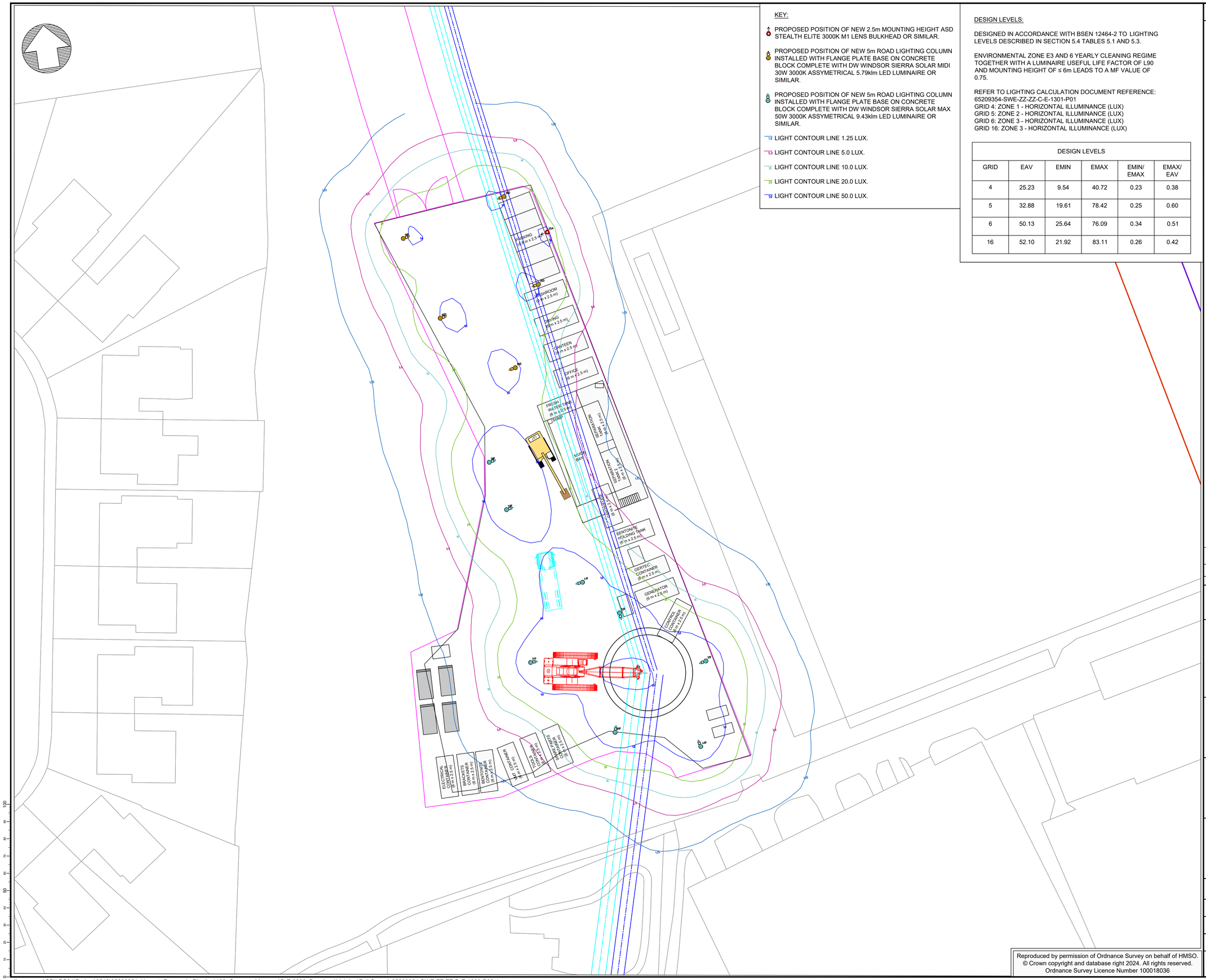

KEY:

- PROPOSED POSITION OF NEW 2.5m MOUNTING HEIGHT ASD STEALTH ELITE 3000K M1 LENS BULKHEAD OR SIMILAR.
- 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.
- PROPOSED POSITION OF NEW 5m ROAD LIGHTING COLUMN INSTALLED WITH FLANGE PLATE BASE ON CONCRETE BLOCK COMPLETE WITH DW WINDSOR SIERRA SOLAR MAX 50W 3000K ASSYMETRICAL 9.43klm LED LUMINAIRE OR SIMILAR.
- 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 TABLES 5.1 AND 5.3.

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-1301-P01
GRID 4: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)
GRID 5: ZONE 2 - HORIZONTAL ILLUMINANCE (LUX)
GRID 6: ZONE 3 - HORIZONTAL ILLUMINANCE (LUX)
GRID 16: ZONE 3 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/ EMAX	EMAX/ EAV
4	25.23	9.54	40.72	0.23	0.38
5	32.88	19.61	78.42	0.25	0.60
6	50.13	25.64	76.09	0.34	0.51
16	52.10	21.92	83.11	0.26	0.42

NOTES

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KEY PLAN

Rev	Date	Amendment Details	Dr'n	Chk'	App'
P02	30.09.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SITE LIGHTING
WORK SITE 2
SHEET 9 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-1009

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KEY:

PROPOSED POSITION OF NEW 2.5m MOUNTING HEIGHT ASD STEALTH ELITE 3000K M1 LENS BULKHEAD OR SIMILAR.

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.

PROPOSED POSITION OF NEW 5m ROAD LIGHTING COLUMN INSTALLED WITH FLANGE PLATE BASE ON CONCRETE BLOCK COMPLETE WITH DW WINDSOR SIERRA SOLAR MAX 50W 3000K ASSYMETRICAL 9.43klm LED LUMINAIRE OR SIMILAR.

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 TABLES 5.1 AND 5.3.

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-1301-P01
GRID 1: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)
GRID 2: ZONE 2 - HORIZONTAL ILLUMINANCE (LUX)
GRID 3: ZONE 3 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/ EMAX	EMAX/ EAV
1	24.18	6.70	52.00	0.13	0.28
2	36.95	16.73	53.31	0.31	0.45
3	50.62	30.02	69.95	0.43	0.59

ST CHAD'S WELL

PALK ROAD

PIPE STORE

CONTAINER UP TO 4 HIGH

CONTAINER UP TO 3 HIGH

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KEY PLAN

Rev	Date	Amendment Details	Dr'n	Chk'	App'
P02	30.09.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SITE LIGHTING
WORK SITE 1
SHEET 10 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-1010

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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 5: ZONE 1 - HORIZONTAL ILLUMINANCE (LUX)

DESIGN LEVELS					
GRID	EAV	EMIN	EMAX	EMIN/ EMAX	EMAX/ EAV
5	5.97	1.53	13.73	0.11	0.26

NOTES

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KEY PLAN

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P02	30.09.2025	PLANNING COMMENTS INCORPORATED	AB	DH	KR
P01	04.04.2025	FIRST ISSUE	AB	DH	KR

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SWECO

Client

WARD & BURKE

Project Title

HAVANT THICKET RESERVOIR

Drawing Title

PROPOSED SECURITY LIGHTING
NORTH COMPOUND
SHEET 1 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-2001

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