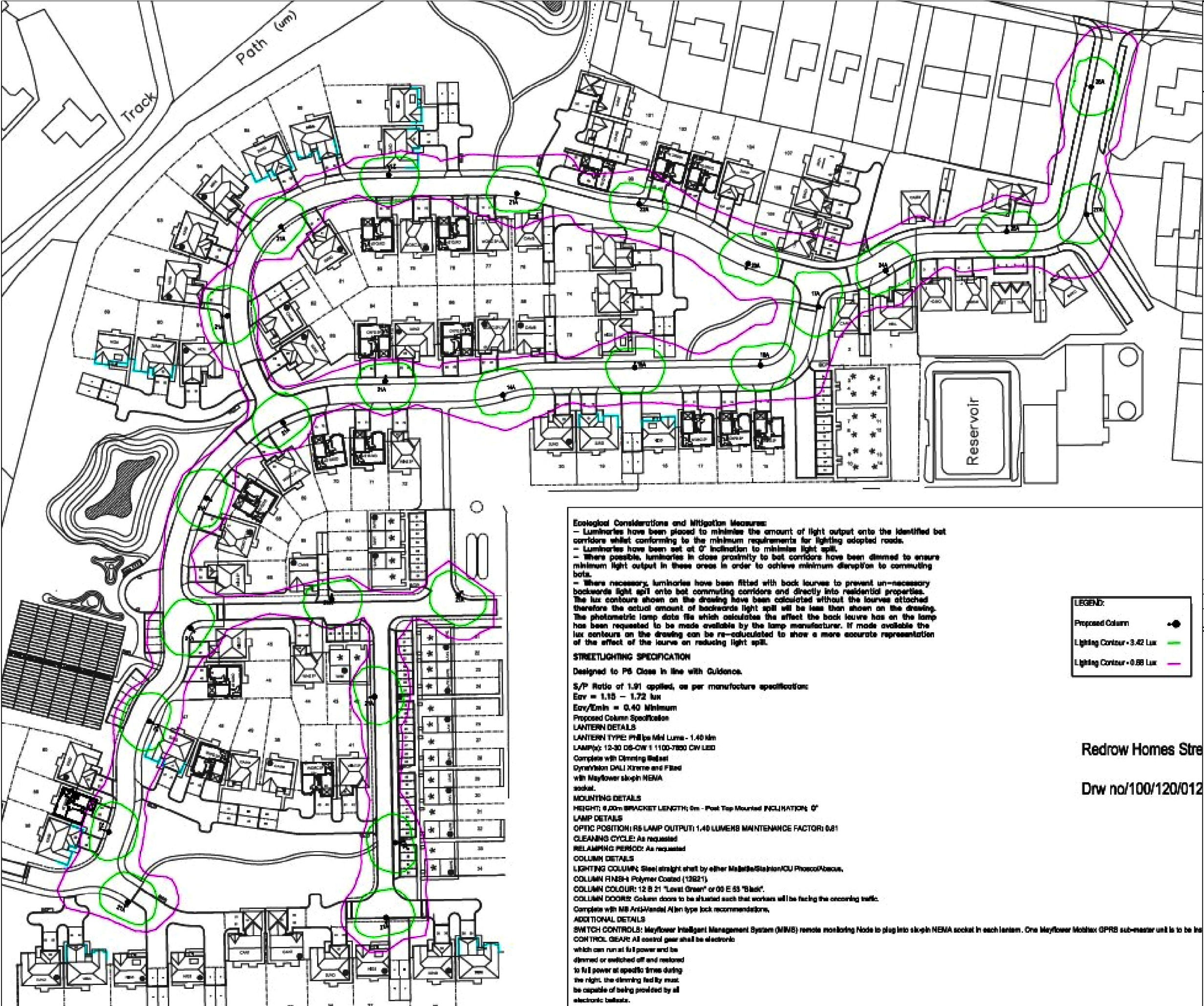




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Notes
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Rev	Description	Date	Initial	Checked



Lakesbury House, Hiltigbury Road, Chandlers Ford, Hampshire. SO53 5SS
T: +44(0)2380 810 440 E: rpsso@rpsgroup.com F: +44(0)2380 810 449

Client Redrow Homes
Project Lake Lane, Barnham
Title Lighting Strategy

Status Information
Drawn By HK
PM/Checked By NB
Job Ref JSL2477
Scale @ A3 NTS
Date Created DEC '16

Figure Number
2
Rev -

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Ecological Considerations and Mitigation Measures:

- Luminaires have been placed to minimise the amount of light output onto the identified bat corridors whilst conforming to the minimum requirements for lighting adopted roads.
- Luminaires have been set at 0° inclination to minimise light spill.
- Where possible, luminaires in close proximity to bat corridors have been dimmed to ensure minimum light output in these areas in order to achieve minimum disruption to commuting bats.
- Where necessary, luminaires have been fitted with back louvers to prevent un-necessary backwards light spill onto bat commuting corridors and directly into residential properties. The lux contours shown on the drawing have been calculated without the louvers attached therefore the actual amount of backwards light spill will be less than shown on the drawing. The photometric lamp data file which calculates the effect the back louver has on the lamp has been requested to be made available by the lamp manufacturer. If made available the lux contours on the drawing can be re-calculated to show a more accurate representation of the effect of the louver on reducing light spill.

STREETLIGHTING SPECIFICATION

Designed to P8 Class in line with Guidance.

S/P Ratio of 1.91 applied, as per manufacture specification:

Eav = 1.15 - 1.72 lux

Eav/Emh = 0.40 Minimum

Proposed Column Specification

LANTERN DETAILS

LANTERN TYPE: PH81ps Mid Luminaire - 1.40 m

LAMP(s): 12-30 DS-CW 1 1100-7800 CW LED

Complete with Dimming Relay

Dynalite DALI X-Series and Fitted

with Mayflower slop NEMA

socket.

MOUNTING DETAILS

HEIGHT: 6.00m BRACKET LENGTH: 0m - Post Top Mounted INCLINATION: 0°

LAMP DETAILS

OPTIC POSITION: RS LAMP OUTPUT: 1.40 LUMENS MAINTENANCE FACTOR: 0.81

CLEANING CYCLE: As requested

RELAMPING PERIOD: As requested

COLUMN DETAILS

LIGHTING COLUMN: Steel straight shaft by either Mallette/Stanton/OU Phoscol/Abacus.

COLUMN FINISH: Polymer Coated (12821)

COLUMN COLOUR: 12 B 21 "Forest Green" or 00 E 53 "Black".

COLUMN DOORS: Column doors to be situated such that workers will be facing the oncoming traffic.

Complete with M8 Anti-Vandal Allen type lock recommendations.

ADDITIONAL DETAILS

SWITCH CONTROLS: Mayflower Intelligent Management System (MIMS) remote monitoring Node to plug into slop NEMA socket in each lantern. One Mayflower Modbus GPRS sub-master unit is to be in CONTROL GEAR: All control gear shall be electronic which can run at full power and be dimmed or switched off and restored to full power at specific times during the night, the dimming fed by must be capable of being provided by all electronic ballasts.