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SMART CLEAN TECHNOLOGY

Lighting Design Booklet

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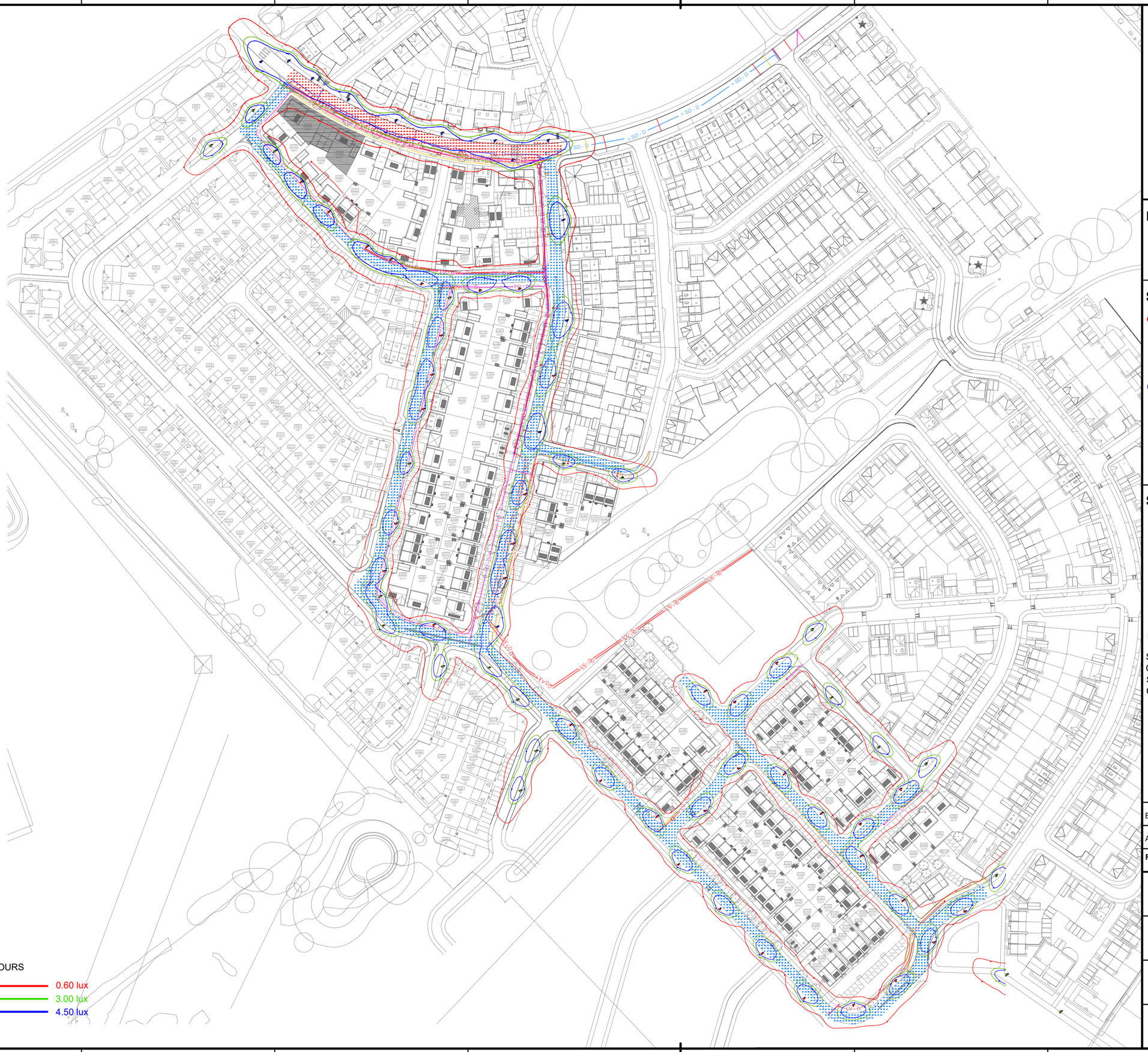

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SMART CLEAN TECHNOLOGY
35, Hither Green Industrial Estate, Clevedon,
North Somerset, BS21 6XU (UK)

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PROJECT:

FUGGLESTONE RED, PARCEL A2B

STREET LIGHTING KEY:

PROLECTRIC SOLAR STREET LIGHT
QTY: 39
LANTERN SHAPE: BATWING
WATTAGE: 10W
HEIGHT: 5m
TILT: 22°
LAMP TYPE: 3000K WARM WHITE LED
MAINTENANCE FACTOR: 0.67

PHILLIPS BGP381 WSO GRN17 (EXISTING)
QTY: 21
LANTERN SHAPE: BATWING
WATTAGE: 14W
HEIGHT: 5m
TILT: 5°
LAMP TYPE: 3000K WARM WHITE LED
MAINTENANCE FACTOR: 0.67

PHILLIPS BGP381 WSO GRN40 (EXISTING)
QTY: 13
LANTERN SHAPE: BATWING
WATTAGE: 32W
HEIGHT: 6m
TILT: 10°
LAMP TYPE: 3000K WARM WHITE LED
MAINTENANCE FACTOR: 0.67

STREET LIGHTING SPECIFICATIONS:

All materials shall be to the relevant British standard. Site works shall comply in general with department of transport specification for highway works, and shall also conform to:

- the electricity at work regulations (1989)
- the health and safety at work act
- chapter 8 of the traffic signs manual
- the control of substances hazardous to health regulations 1988
- the construction (design management) (cdm) regulations 2015

Columns shall be installed at the rear of the footway, unless otherwise shown.

Where buried utilities drawings have NOT been ordered for the design, all locations are subject to change until the buried utilities have been ordered and used within the design.

STREET LIGHTING TO BS 5489-1:2020 & BS EN 13201-2:2015 CLASS P3 (Eav 7.50 TO 11.25 LUX, Emin 1.50 LUX)
STREET LIGHTING TO BS 5489-1:2020 & BS EN 13201-2:2015 CLASS P5 (Eav 3.00 TO 4.50 LUX, Emin 0.60 LUX)

Roads (P5)	Main Road (P3)
Eav= 4.02	Eav= 8.64
Emin= 0.63	Emin= 2.89
Emax= 15.40	Emax= 19.29
Emin/Emax= 0.04	Emin/Emax= 0.15
Emin/Eav= 0.16	Emin/Eav= 0.33
Emax/Eav= 3.84	Emax/Eav= 2.23

REV	COMMENTS	DATE	INI.
B	Updated to whole parcel	22/11/2024	BS
A	First issue	31/10/2024	BS

Drawn by: BEN SHACKLETON	**Drawn Date:** 22/11/2024
Checked by: BEN SHACKLETON	**Checked Date:** 22/11/2024
Technical reference: 2024056	**Prolectric Buried Utilities:** USED
Sheet: 1/1	**Scale:** NTS / **Rev:** B