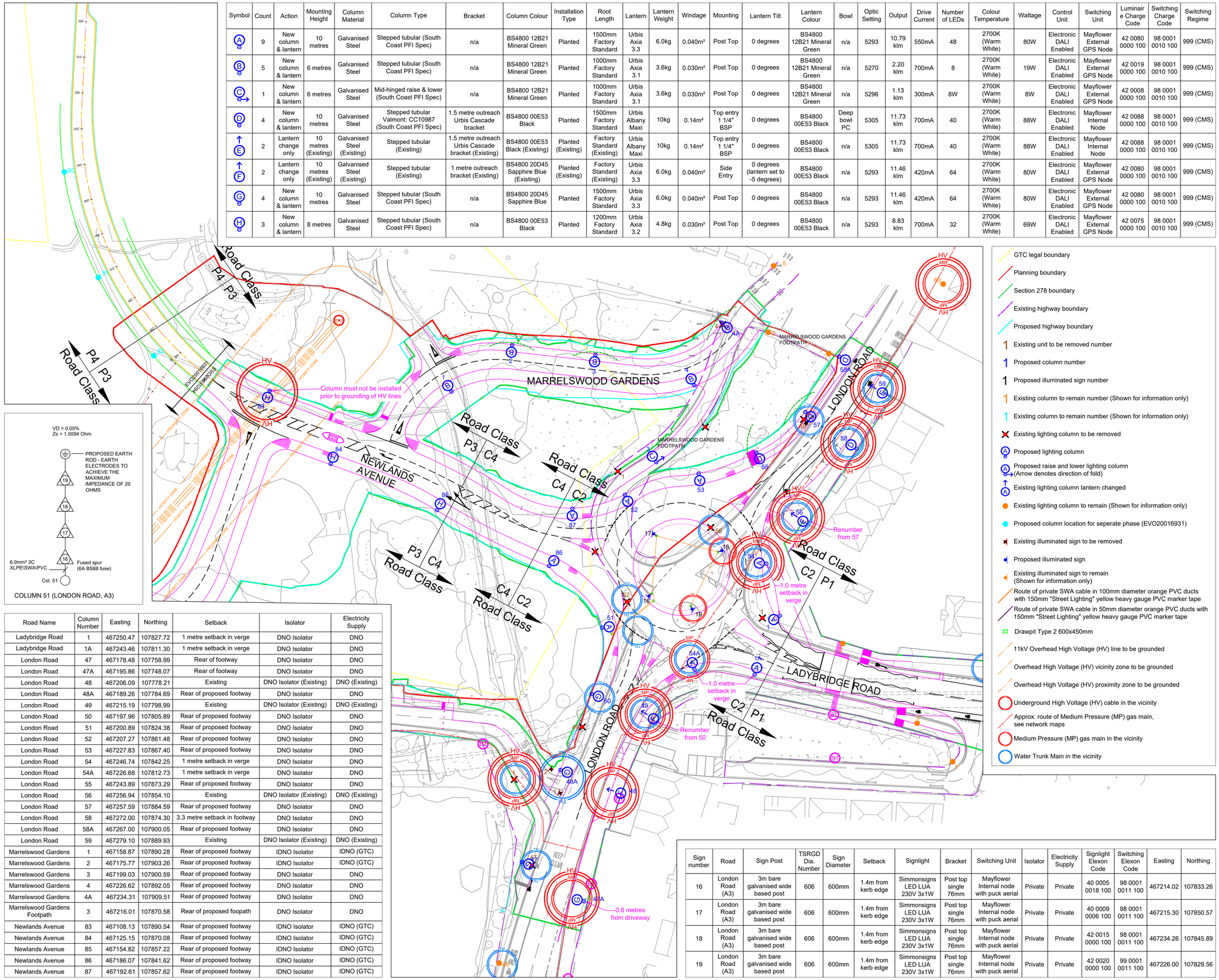
Symbol	Count	Action	Mounting Height	Column Material	Column Type	Bracket	Column Colour	Installation Type	Root Length	Lantern	Lantern Weight	Windage	Mounting	Lantern Tilt	Lantern Colour	Bowl	Optic Setting	Output	Drive Current	Number of LEDs	Colour Temperature	Wattage	Control Unit	Switching Unit	Luminaire Charge Code	Switching Charge Code	Switching Regime
A	9	New column & lantern	10 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	n/a	BS4800 12B21 Mineral Green	Planted	1500mm Factory Standard	Urbis Axia 3.3	6.0kg	0.040m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	n/a	5293	10.79 klm	550mA	48	2700K (Warm White)	80W	Electronic DALI Enabled	Mayflower External GPS Node	42 0080 0000 100	98 0001 0010 100	999 (CMS)
B	5	New column & lantern	6 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	n/a	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	n/a	5270	2.20 klm	700mA	8	2700K (Warm White)	19W	Electronic DALI Enabled	Mayflower External GPS Node	42 0019 0000 100	98 0001 0010 100	999 (CMS)
C	1	New column & lantern	6 metres	Galvanised Steel	Mid-hinged raise & lower (South Coast PFI Spec)	n/a	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	n/a	5296	1.13 klm	300mA	8W	2700K (Warm White)	8W	Electronic DALI Enabled	Mayflower External GPS Node	42 0008 0000 100	98 0001 0010 100	999 (CMS)
D	4	New column & lantern	10 metres	Galvanised Steel	Stepped tubular Valmont: CC10987 (South Coast PFI Spec)	1.5 metre outreach Urbis Cascade bracket	BS4800 00E53 Black	Planted	1500mm Factory Standard	Urbis Albany Maxi	10kg	0.14m²	Top entry 1 1/4" BSP	0 degrees	BS4800 00E53 Black	Deep bowl PC	5305	11.73 klm	700mA	40	2700K (Warm White)	88W	Electronic DALI Enabled	Mayflower Internal Node	42 0088 0000 100	98 0001 0010 100	999 (CMS)
E	2	Lantern change only	10 metres (Existing)	Galvanised Steel (Existing)	Stepped tubular (Existing)	1.5 metre outreach Urbis Cascade bracket (Existing)	BS4800 00E53 Black (Existing)	Planted (Existing)	Factory Standard (Existing)	Urbis Albany Maxi	10kg	0.14m²	Top entry 1 1/4" BSP	0 degrees	BS4800 00E53 Black	n/a	5305	11.73 klm	700mA	40	2700K (Warm White)	88W	Electronic DALI Enabled	Mayflower Internal Node	42 0088 0000 100	98 0001 0010 100	999 (CMS)
F	2	Lantern change only	10 metres (Existing)	Galvanised Steel (Existing)	Stepped tubular (Existing)	1 metre outreach bracket (Existing)	BS4800 20D45 Sapphire Blue (Existing)	Planted (Existing)	Factory Standard (Existing)	Urbis Axia 3.3	6.0kg	0.040m²	Side Entry	0 degrees (lantern set to -5 degrees)	BS4800 00E53 Black	n/a	5293	11.46 klm	420mA	64	2700K (Warm White)	80W	Electronic DALI Enabled	Mayflower External GPS Node	42 0080 0000 100	98 0001 0010 100	999 (CMS)
G	4	New column & lantern	10 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	n/a	BS4800 20D45 Sapphire Blue	Planted	1500mm Factory Standard	Urbis Axia 3.3	6.0kg	0.040m²	Post Top	0 degrees	BS4800 00E53 Black	n/a	5293	11.46 klm	420mA	64	2700K (Warm White)	80W	Electronic DALI Enabled	Mayflower External GPS Node	42 0080 0000 100	98 0001 0010 100	999 (CMS)
H	3	New column & lantern	8 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	n/a	BS4800 00E53 Black	Planted	1200mm Factory Standard	Urbis Axia 3.2	4.8kg	0.030m²	Post Top	0 degrees	BS4800 00E53 Black	n/a	5293	8.83 klm	700mA	32	2700K (Warm White)	69W	Electronic DALI Enabled	Mayflower External GPS Node	42 0075 0000 100	98 0001 0010 100	999 (CMS)



VD = 0.05%
Zs = 1.5094 Ohm

- PROPOSED EARTH ROD - EARTH ELECTRODES TO ACHIEVE THE MAXIMUM IMPEDANCE OF 20 OHMS
- 19
- 18
- 17
- 16 — Fused spur (6A BS88 fuse)
- 6.0mm² 3C XLPE\SWA\PVC
- Col. 51

COLUMN 51 (LONDON ROAD, A3)

- GTC legal boundary
- Planning boundary
- Section 278 boundary
- Existing highway boundary
- Proposed highway boundary
- 1 Existing unit to be removed number
- 1 Proposed column number
- 1 Proposed illuminated sign number
- 1 Existing column to remain number (Shown for information only)
- 1 Existing column to remain number (Shown for information only)
- Existing lighting column to be removed
- A Proposed lighting column
- A Proposed raise and lower lighting column (Arrow denotes direction of fold)
- A Existing lighting column lantern changed
- Existing lighting column to remain (Shown for information only)
- Proposed column location for seperate phase (EVO20016931)
- Existing illuminated sign to be removed
- Proposed illuminated sign
- Existing illuminated sign to remain (Shown for information only)
- Route of private SWA cable in 100mm diameter orange PVC ducts with 150mm "Street Lighting" yellow heavy gauge PVC marker tape
- Route of private SWA cable in 50mm diameter orange PVC ducts with 150mm "Street Lighting" yellow heavy gauge PVC marker tape
- Drawpit Type 2 600x450mm
- 11kV Overhead High Voltage (HV) line to be grounded
- Overhead High Voltage (HV) vicinity zone to be grounded
- Overhead High Voltage (HV) proximity zone to be grounded
- Underground High Voltage (HV) cable in the vicinity
- Approx. route of Medium Pressure (MP) gas main, see network maps
- Medium Pressure (MP) gas main in the vicinity
- Water Trunk Main in the vicinity

Road Name	Column Number	Easting	Northing	Setback	Isolator	Electricity Supply
Ladybridge Road	1	467250.47	107827.72	1 metre setback in verge	DNO Isolator	DNO
Ladybridge Road	1A	467243.46	107811.30	1 metre setback in verge	DNO Isolator	DNO
London Road	47	467178.48	107758.99	Rear of footway	DNO Isolator	DNO
London Road	47A	467195.86	107748.07	Rear of footway	DNO Isolator	DNO
London Road	48	467206.09	107778.21	Existing	DNO Isolator (Existing)	DNO (Existing)
London Road	48A	467189.26	107784.69	Rear of proposed footway	DNO Isolator	DNO
London Road	49	467215.19	107798.99	Existing	DNO Isolator (Existing)	DNO (Existing)
London Road	50	467197.96	107805.89	Rear of proposed footway	DNO Isolator	DNO
London Road	51	467200.89	107824.38	Rear of proposed footway	DNO Isolator	DNO
London Road	52	467207.27	107861.48	Rear of proposed footway	DNO Isolator	DNO
London Road	53	467227.83	107867.40	Rear of proposed footway	DNO Isolator	DNO
London Road	54	467246.74	107842.25	1 metre setback in verge	DNO Isolator	DNO
London Road	54A	467226.68	107812.73	1 metre setback in verge	DNO Isolator	DNO
London Road	55	467243.89	107873.29	Rear of proposed footway	DNO Isolator	DNO
London Road	56	467256.94	107854.10	Existing	DNO Isolator (Existing)	DNO (Existing)
London Road	57	467257.59	107884.59	Rear of proposed footway	DNO Isolator	DNO
London Road	58	467272.00	107874.30	3.3 metre setback in footway	DNO Isolator	DNO
London Road	58A	467267.00	107900.05	Rear of proposed footway	DNO Isolator	DNO
London Road	59	467279.10	107889.93	Existing	DNO Isolator (Existing)	DNO (Existing)
Marrelswood Gardens	1	467158.87	107890.28	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Marrelswood Gardens	2	467175.77	107903.26	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Marrelswood Gardens	3	467199.03	107900.59	Rear of proposed footway	DNO Isolator	DNO
Marrelswood Gardens	4	467226.62	107892.05	Rear of proposed footway	DNO Isolator	DNO
Marrelswood Gardens	4A	467234.31	107909.51	Rear of proposed footway	DNO Isolator	DNO
Marrelswood Gardens Footpath	3	467216.01	107870.58	Rear of proposed foopath	DNO Isolator	DNO
Newlands Avenue	83	467108.13	107890.54	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Newlands Avenue	84	467125.15	107870.08	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Newlands Avenue	85	467154.82	107857.22	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Newlands Avenue	86	467186.07	107841.62	Rear of proposed footway	IDNO Isolator	IDNO (GTC)
Newlands Avenue	87	467192.61	107857.62	Rear of proposed footway	IDNO Isolator	IDNO (GTC)

Sign number	Road	Sign Post	TSRGD Dia. Number	Sign Diameter	Setback	Signlight	Bracket	Switching Unit	Isolator	Electricity Supply	Signlight Elexon Code	Switching Elexon Code	Easting	Northing
16	London Road (A3)	3m bare galvanised wide based post	606	600mm	1.4m from kerb edge	Simmonsigns LED LUA 230V 3x1W	Post top single 76mm	Mayflower Internal node with puck aerial	Private	Private	40 0005 0018 100	98 0001 0011 100	467214.02	107833.26
17	London Road (A3)	3m bare galvanised wide based post	606	600mm	1.4m from kerb edge	Simmonsigns LED LUA 230V 3x1W	Post top single 76mm	Mayflower Internal node with puck aerial	Private	Private	40 0009 0006 100	98 0001 0011 100	467215.30	107850.57
18	London Road (A3)	3m bare galvanised wide based post	606	600mm	1.4m from kerb edge	Simmonsigns LED LUA 230V 3x1W	Post top single 76mm	Mayflower Internal node with puck aerial	Private	Private	42 0015 0000 100	98 0001 0011 100	467234.26	107845.89
19	London Road (A3)	3m bare galvanised wide based post	606	600mm	1.4m from kerb edge	Simmonsigns LED LUA 230V 3x1W	Post top single 76mm	Mayflower Internal node with puck aerial	Private	Private	42 0020 0000 100	99 0001 0011 100	467226.00	107829.56

Notes

1. Do not scale from drawing if not printed at original paper size.
2. All street lighting equipment and works to be carried out in accordance with current Hampshire County Council specification TG13 and standard detail drawings HCC11/L & HCC11/C series.
3. Contractor to confirm position of statutory undertakers plant before commencement of the works. For statutory undertaker's information visit www.linesearchbeforeudig.co.uk
4. During works all traffic management to be in accordance with Chapter 8 of the Traffics Signs Manual.
5. Lighting columns to be fed by DNO supply unless otherwise shown.
6. Each luminaire to be fitted with Mayflower Complete Lighting control S6000 socket (NEMA).
7. Maintenance numbers as shown on the drawing are to be confirmed by HCC.
8. Columns to be numbered using adhesive labels suitable for exterior use. Letters and numerals shall be 50mm high black on a white background.
9. One Mayflower complete lighting control DALI sub-master unit to be installed to control nodes and link central management system.
10. All apparatus are to be new at the time of installation and be supported by relevant manufacturer's guarantees.
11. All apparatus shall be sited so as to minimise, in so far as is reasonable and practical, nuisance, danger and obstruction to all residents, businesses and users of the highway.
12. All illuminated apparatus must be installed and tested in compliance with BS7671 at the time of adoption.
13. All installations shall ensure that trees, vegetation and foliage does not interfere with lighting distribution. Refer to HCC's drawing HCC11/L/085 'Areas to be kept clear of trees and shrubs'.
14. This detailed design has been prepared in accordance with the HEA-HEMSA guidance note - CDM2015 regulations, issue 1.1, dated 09/04/15 Procedure 4: information has been supplied by the client or another designer or the principal designer and includes a site visit & Linesearch by the lighting scheme designer which forms the basis of this lighting scheme design and includes the hazards identified by others on their hazard elimination and management list & Linesearch.
15. Lanterns to be installed perpendicular to the kerb edge, unless stated on the drawing
16. Columns erected within 0.5 metres on shared foot/cycleways to be fitted with 150mm deep white self adhesive retro reflective band to BS EN12899 Class RA1, applied between 1.4m & 1.6m above ground to increase night time visibility for cyclists.
17. All columns must be installed within the adoptable highway boundary.
18. Columns must be setback at least 0.8 metres from the kerb edge (30mph).
19. New layout in magenta, existing layout in grey.

Lighting Clases - BS5489-1:2020	
London Road	C2
Ladybridge Road	P1
Marrelswood Gardens & Footpath	P4
Newlands Avenue	P3 (C4)

SAFETY HEALTH AND ENVIRONMENTAL (SHE) INFORMATION

Please refer to: Hazard Elimination List Document Ref: EVO20031294-HE-001-C

REV	DESCRIPTION	DATE	BY
E	GTC legal boundary - DNO/IDNO status added to setting out table	12/09/25	JLD
D	Section 278 & Planning boundaries added	12/09/25	JLD
C	Updated layout	12/09/25	JLD
B	Decorative column type updated	20/03/25	JLD
A	Original Issue	17/03/25	JLD

DWG STATUS: FOR COMMENTS

ENERVEO

ENERVEO - STREET LIGHTING
34 Palmerston Drive, Fareham, Hampshire PO14 1DJ
Email: lightingdesign@enerveo.com Tel: 01133 853129

TITLE: Section 278 Lighting Layout

PROJECT: Berewood Southern Access

CLIENT: Markides Associates

SHEET NUMBER: 1 of 1

SCALE: 1:500

DATE: 17/03/25

DRAWN: JLD

CHECKED: RHJ

PAPER SIZE: A1

APPROVED: SAB

DRAWING NUMBER: EVO20031294-LD-001

REVISION: E