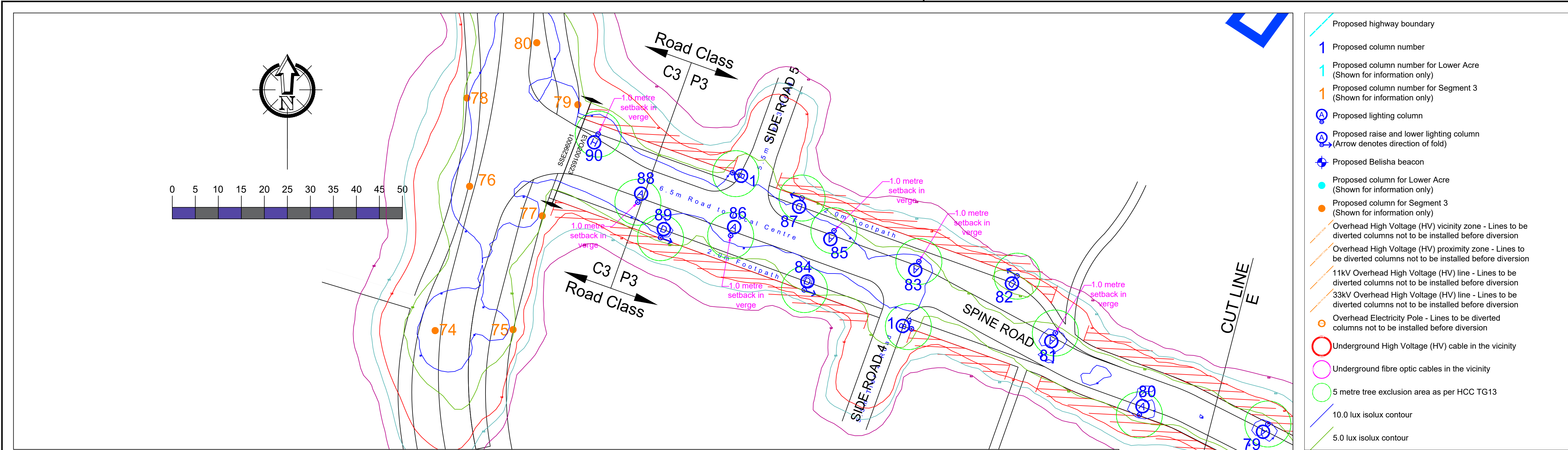




Symbol	Count	Mounting Height	Column Material	Column Type	Column Colour	Installation Type	Root Length	Lantern	Lantern Weight	Windage	Mounting	Lantern Tilt	Lantern Colour	Optic Setting	Output	Drive Current	Number of LEDs	Colour Temperature	Wattage	Control Unit	Switching Unit	Isolator	Electricity Supply	Luminaire Elexon Code	Switching Elexon Code
	43	6 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5267 Rear Louver	3.14 klm	700mA	16	3000K (Warm White)	36W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0036 0000 100	98 0001 0010 100
	15	6 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5267 Rear Louver	2.28 klm	480mA	16	3000K (Warm White)	26W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0026 0000 100	98 0001 0010 100
	32	6 metres	Galvanised Steel	Mid-hinged raise & lower (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5296 Rear Louver	0.82 klm	300mA	8	3000K (Warm White)	9W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0009 0000 100	98 0001 0010 100
	1	6 metres	Galvanised Steel	Mid-hinged raise & lower (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5266 Rear Louver	0.83 klm	300mA	8	3000K (Warm White)	9W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0009 0000 100	98 0001 0010 100
	6	8 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1200mm Factory Standard	Urbis Axia 3.2	4.8kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5267 Rear Louver	5.95 klm	600mA	32	3000K (Warm White)	59W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0059 0000 100	98 0001 0010 100
	5	6 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1000mm Factory Standard	Urbis Axia 3.1	3.6kg	0.030m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5267 Rear Louver	2.76 klm	600mA	16	3000K (Warm White)	31W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0031 0000 100	98 0001 0010 100
	1	8 metres	Galvanised Steel	Stepped tubular (South Coast PFI Spec)	BS4800 12B21 Mineral Green	Planted	1200mm Factory Standard	Urbis Axia 3.3	6.0kg	0.040m²	Post Top	0 degrees	BS4800 12B21 Mineral Green	5267 Rear Louver	10.10 klm	500mA	64	3000K (Warm White)	113W	Electronic DALI Enabled	Mayflower External GPS Node	DNO Isolator	DNO	42 0113 0000 100	98 0001 0010 100

Road Name	Column Number	Easting	Northing	Setback
Spine Road	18	449016.48	116497.50	Rear of footway
Spine Road	19	449036.73	116515.95	Rear of footway
Spine Road	20	449030.73	116542.64	Rear of footway
Spine Road	21	449043.73	116566.95	Rear of footway
Spine Road	22	449025.53	116566.87	Rear of footway
Spine Road	23	449019.91	116591.41	Rear of footway
Spine Road	24	449036.78	116597.27	Rear of footway
Spine Road	25	449024.00	116619.79	1 metre in verge
Spine Road	26	449031.16	116621.54	Rear of footway
Spine Road	27	449008.77	116640.95	Rear of footway
Spine Road	28	449020.26	116662.20	Rear of footway
Spine Road	29	449010.80	116668.22	1 metre in verge
Spine Road	30	448990.76	116667.33	Rear of footway
Spine Road	31	448992.04	116691.09	Rear of footway
Spine Road	32	448965.45	116692.24	Rear of footway
Spine Road	33	448967.39	116701.94	1 metre in verge
Spine Road	34	448956.33	116725.97	Rear of footway
Spine Road	35	448926.84	116730.01	Rear of footway
Spine Road	36	448930.02	116739.01	1 metre in verge
Spine Road	37	448915.36	116756.61	Rear of footway
Spine Road	38	448923.08	116763.19	1 metre in verge
Spine Road	39	448932.17	116790.98	1 metre in verge
Spine Road	40	448943.91	116812.46	1 metre in verge
Spine Road	41	448955.04	116835.55	1 metre in verge
Spine Road	42	448965.59	116858.24	1 metre in verge
Spine Road	43	448975.95	116881.13	1 metre in verge
Spine Road	44	448981.59	116893.30	1 metre in verge

Road Name	Column Number	Easting	Northing	Setback
Spine Road	45	448989.45	116906.66	1 metre in verge
Spine Road	46	449002.12	116918.11	1 metre in verge
Spine Road	47	448996.01	116934.65	1 metre in verge
Spine Road	48	449001.61	116959.25	1 metre in verge
Spine Road	49	449011.03	116984.86	1 metre in verge
Spine Road	50	449026.83	117006.04	1 metre from maintenance bay, 2.2 metre from kerb
Spine Road	51	449033.14	116997.28	2 metre in verge
Spine Road	52	449046.48	117017.77	Rear of footway
Spine Road	53	449052.34	117007.04	Rear of footway
Spine Road	54	449045.90	117064.72	Rear of footway
Spine Road	55	449040.08	117092.65	Rear of footway
Spine Road	56	449014.44	117108.61	Rear of footway
Spine Road	57	449010.49	117137.69	Rear of footway
Spine Road	58	448985.55	117154.45	Rear of footway
Spine Road	59	448982.37	117183.92	Rear of footway
Spine Road	60	448923.19	117227.87	Rear of footway
Spine Road	61	448901.41	117227.57	1 metre in verge
Spine Road	62	448884.01	117237.90	Rear of footway
Spine Road	63	448880.17	117224.53	1 metre in verge
Spine Road	64	448846.08	117247.38	1 metre in verge
Spine Road	65	448859.01	117239.98	Rear of footway
Spine Road	66	448838.16	117232.94	1 metre in verge
Spine Road	67	448811.94	117238.04	Rear of footway
Spine Road	68	448785.96	117229.01	1 metre in verge
Spine Road	69	448763.99	117245.17	Rear of verge
Spine Road	70	448737.46	117241.29	1 metre in verge
Spine Road	71	448712.68	117258.40	Rear of verge

Road Name	Column Number	Easting	Northing	Setback
Spine Road	72	448690.67	117253.18	1 metre in verge
Spine Road	73	448668.81	117267.72	1 metre in verge
Spine Road	74	448658.79	117274.24	Rear of footway
Spine Road	75	448641.20	117268.78	Rear of footway
Spine Road	76	448627.00	117284.66	Rear of footway
Spine Road	77	448624.90	117301.20	Rear of footway
Spine Road	78	448602.32	117313.44	Rear of footway
Spine Road	79	448587.18	117335.78	Rear of footway
Spine Road	80	448559.26	117373.76	Rear of footway
Spine Road	81	448541.00	117355.56	1 metre in verge
Spine Road	82	448532.68	117367.92	Rear of footway
Spine Road	83	448511.34	117371.11	1 metre in verge
Spine Road	84	448486.47	117365.00	Rear of footway
Spine Road	85	448492.90	117377.79	1 metre in verge
Spine Road	86	448470.45	117376.74	1 metre in verge
Spine Road	87	448485.98	117384.90	Rear of footway
Spine Road	88	448450.31	117383.98	1 metre in verge
Spine Road	89	448455.22	117376.28	Rear of footway
Spine Road	90	448441.68	117398.80	1 metre in verge
Road 2	1	448950.24	117237.09	Rear of footway
Road 2	2	448961.93	117257.85	Rear of footway
Road 2	3	448968.44	117281.48	Rear of footway
Road 2	4	448971.69	117305.92	Rear of footway
Road 2	5	448973.98	117322.46	Rear of footway
School Access Road	1	449005.45	116904.74	1 metre in verge
School Access Road	2	449013.03	116911.61	Rear of Footpath
School Access Road	3	449019.64	116894.13	1 metre in verge

Road Name	Column Number	Easting	Northing	Setback
Bridleway	1	448792.85	116562.26	Rear of bridleway
Bridleway	2	448810.81	116586.59	Rear of bridleway
Bridleway	3	448819.43	116621.70	Rear of bridleway
Bridleway	4	448839.05	116652.62	Rear of bridleway
Bridleway	5	448856.81	116685.07	Rear of bridleway
Bridleway	6	448875.58	116714.77	Rear of bridleway
Bridleway	7	448894.04	116744.53	Rear of bridleway
Bridleway	8	448912.29	116774.39	Rear of bridleway
Bridleway	9	448928.31	116806.50	Rear of bridleway
Bridleway	10	448943.20	116839.33	Rear of bridleway
Bridleway	11	448957.22	116872.49	Rear of bridleway
Bridleway	12	448970.81	116905.84	Rear of bridleway
Bridleway	13	448980.24	116932.29	Rear of bridleway
Bridleway	14	448989.32	116959.79	Rear of bridleway
Bridleway	15	449000.39	116993.10	Rear of bridleway
Bridleway	16	449012.51	117003.28	Rear of bridleway
Bridleway	17	449001.24	117020.00	Rear of bridleway
Side Road 1	1	449047.92	116548.73	Rear of footway
Side Road 2	1	449024.82	116650.03	Rear of footway
Side Road 3	1	448947.67	116709.40	Rear of footway
Side Road 4	1	448509.76	117356.48	Rear of footway
Side Road 5	1	448470.84	117390.19	Rear of footway

- Proposed highway boundary
- Proposed column number
- Proposed column number for Lower Acre (Shown for information only)
- Proposed column number for Segment 3 (Shown for information only)
- Proposed lighting column
- Proposed raise and lower lighting column (Arrow denotes direction of fold)
- Proposed Belisha beacon
- Proposed column for Lower Acre (Shown for information only)
- Proposed column for Segment 3 (Shown for information only)
- Overhead High Voltage (HV) vicinity zone - Lines to be diverted columns not to be installed before diversion
- Overhead High Voltage (HV) proximity zone - Lines to be diverted columns not to be installed before diversion
- 11kV Overhead High Voltage (HV) line - Lines to be diverted columns not to be installed before diversion
- 33kV Overhead High Voltage (HV) line - Lines to be diverted columns not to be installed before diversion
- Overhead Electricity Pole - Lines to be diverted columns not to be installed before diversion
- Underground High Voltage (HV) cable in the vicinity
- Underground fibre optic cables in the vicinity
- 5 metre tree exclusion area as per HCC TG13
- 10.0 lux isolux contour
- 5.0 lux isolux contour

- Notes
- Do not scale from drawing if not printed at original paper size.
 - 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.
 - Contractor to confirm position of statutory undertakers plant before commencement of the works. For statutory undertaker's information visit www.linesearchbeforeudig.co.uk
 - During works all traffic management to be in accordance with Chapter 8 of the Traffic Signs Manual.
 - Lighting columns to be fed by DNO supply unless otherwise shown.
 - Each luminaire to be fitted with Mayflower Complete Lighting control S6000 socket (NEMA).
 - Maintenance numbers as shown on the drawing are to be confirmed by HCC.
 - Columns to be numbered using adhesive labels suitable for exterior use. Letters and numerals shall be 50mm high black on a white background.
 - One Mayflower complete lighting control DALI sub-master unit to be installed to control nodes and link central management system.
 - All apparatus are to be new at the time of installation and be supported by relevant manufacturer's guarantees.
 - 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.
 - All illuminated apparatus must be installed and tested in compliance with BS7671 at the time of adoption.
 - 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'.
 - This detailed design has been prepared in accordance with the HEA-HEMSA guidance note - CDM2015 regulations, issue 1.1, dated 09/04/15 Procedure 3: information has been supplied by the client or another designer or the principal designer and includes a Linesearch by the lighting scheme designer which forms which forms the basis of this lighting scheme design and includes the hazards identified by others on their hazard elimination and management list. The designer has carried out a Linesearch however no further checks have been undertaken.
 - Lanterns to be installed perpendicular to the kerb edge, unless stated on the drawing
 - Columns erected with 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.
 - All columns must be installed within the adoptable highway boundary.
 - Columns must be setback at least 0.8 metres from the kerb edge (30mph).
 - Lighting column material key and setting out details found on sheet 5 of 5 only.
 - Belisha beacon material key and setting out details found on sheet 2 of 5 only.

SAFETY HEALTH AND ENVIRONMENTAL (SHE) INFORMATION

Please refer to: Hazard Elimination List Document Ref: EVO20016523-HE-001-A

Lighting Clases - BS5489-1:2020	
Spine Road Road 2	P3
Footpaths Cyclepaths	P5
Local Centre Roundabout	C4
Segment 3 Junction	C3
Side Roads	P4

C	Northwest section (side roads 4 & 5) realigned	05/12/23	JLD
B	New road alignment	10/07/23	JLD
A	Original Issue	12/06/23	JLD
REV	DESCRIPTION	DATE	BY

DWG STATUS

FOR COMMENTS



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Email: lightingdesign@enerveo.com Tel: 0121 516 3066

TITLE
Section 38
Lighting Layout

PROJECT
Secondary Infrastructure, One Horton Heath

CLIENT
Eastleigh Borough Council

SHEET NUMBER
5 of 5

SCALE	DATE
1:500	12/06/23
	DRAWN
	JLD
	CHECKED
	RHJ

PAPER SIZE	APPROVED
A1	SAB

DRAWING NUMBER	REVISION
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