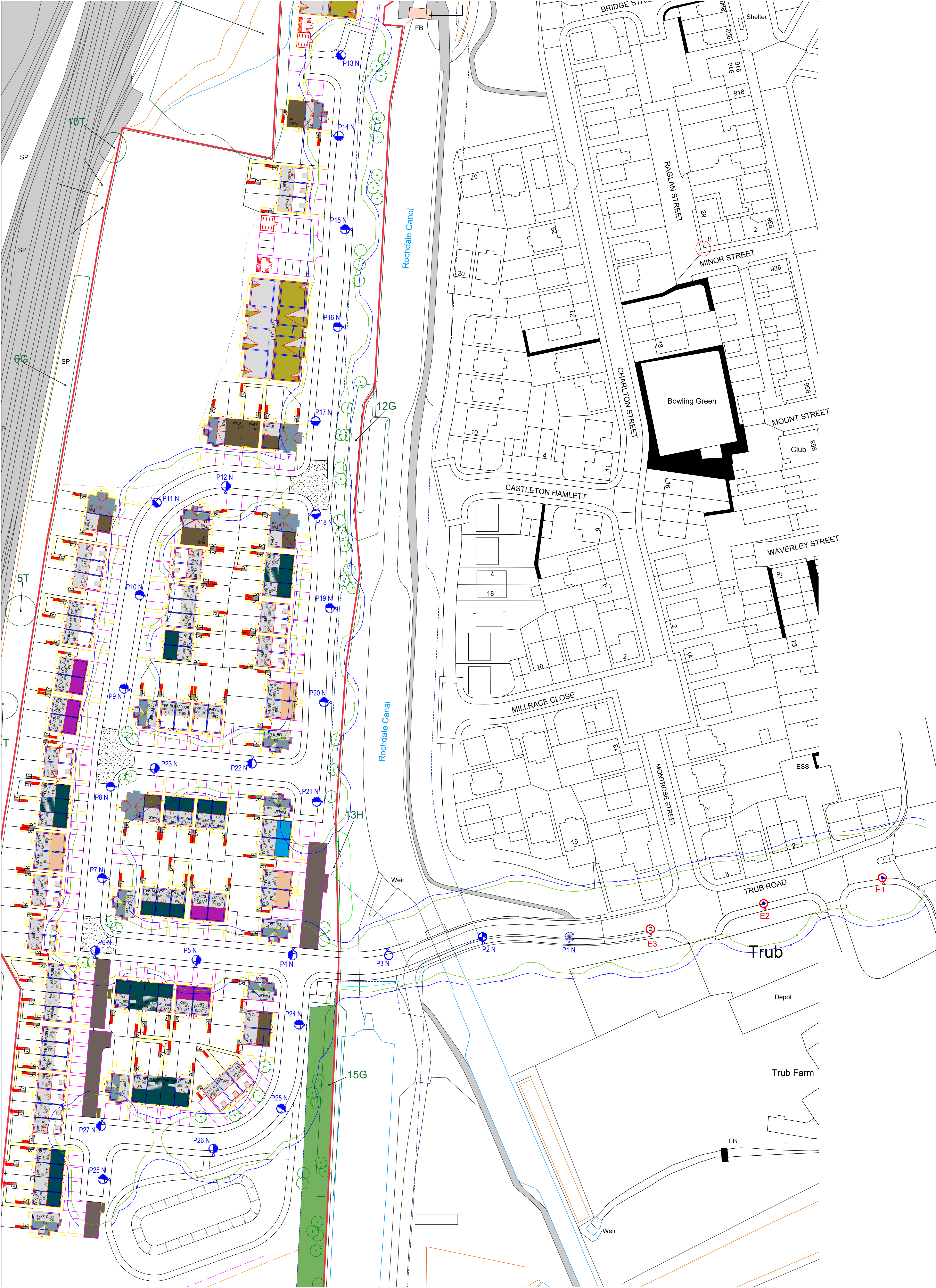
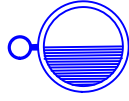




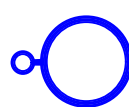
PROPOSED EQUIPMENT



New 6 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver, and a LUCY Zodiac Vision Central Management System – UNINODE 3 with 5-PIN Suitable for 7-PIN NEMA Sockets.

LANTERN ORDERING CODE :

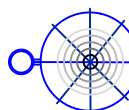
Holophane V-Max ~
VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007
24 WATT 3300 LUMEN 460mA CHARGE CODE : 42 0024 0000 100



New 6 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver, and a LUCY Zodiac Vision Central Management System – UNINODE 3 with 5-PIN Suitable for 7-PIN NEMA Sockets.

LANTERN ORDERING CODE :

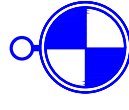
Holophane V-Max ~
VMXII.1.LA043.V1.F4Q1.W027.PT1.T7.LRD.CL9.L007
27 WATT 3700 LUMEN 523mA CHARGE CODE : 42 0027 0000 100



New 8 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver.
This luminaire, to have capability for mounting a LUCY Vision collector via twenty (20) millimetre diameter hole in the lantern canopy, including a NEMA socket replacement kit, and plugging into the DALI driver via a Vision /DALI interface control unit.

LANTERN ORDERING CODE :

Holophane V-Max ~
VMXII.1.LA043.V1.F4Q1.W027.PT1.T7.LRD.CL9.L007
27 WATT 3700 LUMEN 523mA CHARGE CODE : 42 0027 0000 100



New 8 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver, and a LUCY Zodiac Vision Central Management System – UNINODE 3 with 5-PIN Suitable for 7-PIN NEMA Sockets.

LANTERN ORDERING CODE :

Holophane V-Max ~
VMXII.1.LA073.V2.F4Q1.W045.PT1.T7.LRD.CL9.L007
45 WATT 6500 LUMEN 441mA CHARGE CODE : 42 0045 0000 100

Each lantern shall have a visible sticker, stating the wattage and lumen output, provided by the manufacturer at the time of order.

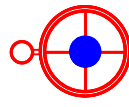
Lantern Colour :Grey (standard as per ordering reference)

Columns :
6-Metre Height Valmont Stanton galvanised tubular steel, planted root with glass flake protection to O & R specification
(1 B0601METR10GR)

8-Metre Height (Ref : 1B0801SGCS10GR0009) As Standard Detail

CC4658rev03
DNO Service Cut Out- ENW Approved Single Phase Double Pole cut-out including service cable entering the column cable entry slot through a 38 mm diameter RED elbow duct and all meeting ENW specification

EXISTING EQUIPMENT



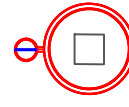
New 8 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver, and a LUCY Zodiac Vision Central Management System – UNINODE 3 with 5-PIN Suitable for 7-PIN NEMA Sockets.

LANTERN ORDERING CODE :

Holophane V-Max ~
VMXII.1.LA073.V2.F4Q1.W052.PT1.T7.LRD.CL9.L007
52 WATT 7400 LUMEN 512mA CHARGE CODE : 42 0052 0000 100

Each lantern shall have a visible sticker, stating the wattage and lumen output, provided by the manufacturer at the time of order.

Lantern Colour :Grey (standard as per ordering reference)



New 8 metre height street lighting column with a post top mounted Holophane V-Max luminaire having an LM6 aluminium body and canopy with an appropriately sized Philips Xitanium dimmable DALI enabled driver, and a LUCY Zodiac Vision Central Management System – UNINODE 3 with 5-PIN Suitable for 7-PIN NEMA Sockets.

LANTERN ORDERING CODE :

VMXII.1.LA073.V2.F4Q1.W045.PT1.T7.LRD.CL9.L007
45WATT 6500LUMEN 441mA CHARGE CODE 42 0045 0000 100

Each lantern shall have a visible sticker, stating the wattage and lumen output, provided by the manufacturer at the time of order.

Lanterns Colour : Grey (standard as per ordering reference)

LETTERING



Prefix letter **E** denotes existing street lighting equipment



Prefix letter **P** denotes proposed street lighting equipment

ELECTRICAL SERVICES



Letter **N** denotes that an Independent Distribution Network Operator (IDNO) new electricity service connection is required.

28 No. new IDNO electricity service connections are required to proposed street lighting column No.s **P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27 and P28.**

Notes

- All works are to be in accordance with the latest I.E.T. Wiring Regulations and manufacturer's instructions.
- Lighting columns are to be identified by an alpha-numeric system.
- All column positions are indicative, and the Local Authority's Street Lighting Engineer shall mark out column positions.
- The numbering system shown on this layout is for contract purposes only, with the permanent alpha-numeric system to be agreed with Oldham Council engineers or their appointed agents.
- All equipment and works are to be carried out in accordance with the latest street lighting specification for Rochdale Council.
- Developer shall advise the Local Authority on the planned and programmed dates for replacement of any existing street lighting apparatus so equipment can be de-acrued from the PFI Service. At this point the new apparatus shall be the responsibility of the Developer, and forming part of the section 38 apparatus, until final adoption.
- Appointed street lighting contractor to verify any electrical isolation points and services before working on lit apparatus

Please refer to the following Local Authority Standard Details to ensure correct specification:-

- 13.03 – Installation of Steel Lighting Columns B
- 13.04 - Column Door Alignment
- 14.05 - Termination of Cables Type L5 REV A
- 14.26 - Base Compartment General Arrangement REV A
- 14.27 - Column and Sign Numbering Detail
- 14.28 - Termination Labels in Base Compartment

Column Design Information	BS EN 40.3.1, BS EN 40.3.3, BD94/07 & PD 6547
Design Standards	50 years
Design Life	23.5 m/s
10min. Mean Wind Velocity	III
Terrain Category (Inland)	174m.
Max. Altitude (Inland)	

Unit No.	EASTING	NORTHING	COLUMN	ELECTRICITY SERVICE	LUMINAIRE	WATTS	LUMEN	mA	CHARGE CODE	TILT	DIMMING REGIME
E1	388451.97	410001.75	8-METRE EXISTING TUBULAR STEEL	DNO	Holophane V-Max ~VMXII.1.LA073.V2.F4Q1.W052.PT1.T7.LRD.CL9.L007	52	7400	512	42 0052 0000 100	0°	LUCY Zodiac Vision CMS.
E2	388413.07	409993.30	8-METRE EXISTING TUBULAR STEEL	DNO	Holophane V-Max ~VMXII.1.LA073.V2.F4Q1.W052.PT1.T7.LRD.CL9.L007	52	7400	512	42 0052 0000 100	0°	LUCY Zodiac Vision CMS.
E3	388375.65	409984.73	8-METRE EXISTING TUBULAR STEEL	DNO	Holophane V-Max ~VMXII.1.LA073.V2.F4Q1.W045.PT1.T7.LRD.CL9.L007	45	6500	441	42 0045 0000 100	0°	LUCY Zodiac Vision CMS.
P1 N	388348.81	409982.12	8 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA043.V1.F4Q1.W027.PT1.T7.LRD.CL9.L007	27	3700	523	42 0027 0000 100	0°	LUCY Zodiac Vision CMS.
P2 N	388320.80	409982.18	8 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA073.V2.F4Q1.W045.PT1.T7.LRD.CL9.L007	45	6500	441	42 0045 0000 100	0°	LUCY Zodiac Vision CMS.
P3 N	388289.15	409980.20	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA043.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	27	3700	523	42 0027 0000 100	0°	LUCY Zodiac Vision CMS.
P4 N	388258.34	409980.51	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P5 N	388226.29	409974.55	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P6 N	388193.13	409977.49	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P7 N	388197.86	410003.33	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P8 N	388200.61	410033.43	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P9 N	388204.96	410065.33	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P10 N	388210.19	410096.16	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P11 N	388211.88	410128.40	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P12 N	388236.10	410130.00	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P13 N	388272.68	410275.42	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P14 N	388271.07	410247.17	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P15 N	388277.55	410216.49	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P16 N	388275.10	410184.40	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P17 N	388263.38	410153.57	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P18 N	388263.48	410122.95	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P19 N	388272.55	410092.10	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P20 N	388270.69	410061.16	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P21 N	388268.23	410028.49	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P22 N	388245.01	410043.34	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P23 N	388212.59	410037.36	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P24 N	388262.36	409955.37	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P25 N	388256.28	409926.68	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P26 N	388232.10	409912.53	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P27 N	388195.58	409924.39	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.
P28 N	388198.09	409904.56	6 METRE VALMONT STANTON	IDNO	Holophane V-Max ~VMXII.1.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007	24	3300	460	42 0024 0000 100	0°	LUCY Zodiac Vision CMS.

Section 38 & 278 Agreement,
Street Lighting Design

DRAWING STATUS : PRELIMINARY DESIGN



CENCODE
Street Lighting Design & Consultancy
cencode.com
Tel:07905100808



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PROJECT				
TRUB FARM, ROCHDALE				
DRN BY	BC	SCALE	JOB REF	DRAWING NUMBER
DATE	25.05.25	1:500 @ A0		SL/1300/001/-
				REV