

ALL NEW COLUMNS ARE TO BE IN LINE WITH TABLE 8 AND ARE TO BE PAINTED BLACK AS PER ROCHDALE TOWN CENTRE PAINTING SPECIFICATION INCLUSIVE OF LANTERNS

EXISTING ROAD LIGHTING COLUMN TO REMAIN. EXISTING LANTERN AND NODE TO BE TAKEN UP OR DOWN AND REPLACED WITH POST TOP MOUNTED HOLOPHANE S LINE LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 6.06KLM OUTPUT LED ARRAY AT 3000K CCT WITH A LUCY ZODION VIZION COMPATIBLE PHILIPS XITANIUM DALI ENABLED DIMMABLE DRIVER FITTED AND PRE-WIRED BY THE MANUFACTURER, POWERING A LUCY ZODION UNINODE 3 HAVING 5 PIN ADAPTOR SWITCHING ON 20LUX. (SLI.2.LA073.A2.W046.PT1.T7.LRD.CL9.L007)

PROPOSED HEAVIER DUTY GALVANISED TUBULAR STEEL ROAD LIGHTING COLUMN OF 8M NOMINAL HEIGHT WITH A PLANTED BASE, HAVING GLASS FLAKE ROOT PROTECTION, AS PER VALMONT STANTON STANDARD DETAIL DRAWING CC7012-1, POST TOP MOUNTED HOLOPHANE R LINE LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 9.33KLM OUTPUT LED ARRAY AT 3000K CCT WITH A LUCY ZODION VIZION COMPATIBLE PHILIPS XITANIUM DALI ENABLED DIMMABLE DRIVER FITTED AND PRE-WIRED BY THE MANUFACTURER, POWERING A LUCY ZODION UNINODE 3 HAVING 5 PIN ADAPTOR SWITCHING ON 20LUX. (RLI.2.LA103.A4A2.W071.PT1.T7.LRD.CL9.L007)

PROPOSED HEAVIER DUTY GALVANISED TUBULAR STEEL ROAD LIGHTING COLUMN OF 8M NOMINAL HEIGHT WITH A PLANTED BASE, HAVING GLASS FLAKE ROOT PROTECTION, AS PER VALMONT STANTON STANDARD DETAIL DRAWING CC7012-1, POST TOP MOUNTED HOLOPHANE S LINE LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 6.06KLM OUTPUT LED ARRAY AT 3000K CCT WITH A LUCY ZODION VIZION COMPATIBLE PHILIPS XITANIUM DALI ENABLED DIMMABLE DRIVER FITTED AND PRE-WIRED BY THE MANUFACTURER, POWERING A LUCY ZODION UNINODE 3 HAVING 5 PIN ADAPTOR SWITCHING ON 20LUX. (SLI.2.LA073.A2.W046.PT1.T7.LRD.CL9.L007)

PROPOSED HEAVIER DUTY GALVANISED TUBULAR STEEL ROAD LIGHTING COLUMN OF 6M NOMINAL HEIGHT WITH A PLANTED BASE, HAVING GLASS FLAKE ROOT PROTECTION, AS PER VALMONT STANTON STANDARD DETAIL DRAWING C4657REV03, POST TOP MOUNTED HOLOPHANE S LINE LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 5.27KLM OUTPUT LED ARRAY AT 3000K CCT WITH A LUCY ZODION VIZION COMPATIBLE PHILIPS XITANIUM DALI ENABLED DIMMABLE DRIVER FITTED AND PRE-WIRED BY THE MANUFACTURER, POWERING A LUCY ZODION UNINODE 3 HAVING 5 PIN ADAPTOR SWITCHING ON 20LUX. (SLI.2.LA053.A2.HE.W035.PT1.T7.LRD.CL9.L007).

PROPOSED MID HINGED GALVANISED TUBULAR STEEL ROAD LIGHTING COLUMN OF 6M NOMINAL HEIGHT WITH A PLANTED GLASS FLAKE ROOT AS PER VALMONT STANTON STANDARD DRAWING CC6780 HAVING A POST TOP MOUNTED HOLOPHANE S LINE LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 4.09KLM OUTPUT LED ARRAY AT 3000K CCT WITH A LUCY ZODION VIZION COMPATIBLE PHILIPS XITANIUM DALI ENABLED DIMMABLE DRIVER FITTED AND PRE-WIRED BY THE MANUFACTURER, POWERING A LUCY ZODION UNINODE 3 HAVING 5 PIN ADAPTOR SWITCHING ON 20LUX. (SLI.2.LA043.A2.HE.W027.PT1.T7.LRD.CL9.L007).

PROPOSED **MM² 3 CORE PVC/SWA/PVC STREET LIGHTING POWER CABLE LAID IN ORANGE STREET LIGHTING DUCT AS PER RMBC STANDARD DETAILS (FOR DUCTING DIAMETERS REFER TO DRAWING CMT-PROJ-003-ROC-0002-DWG-0501 and 0502). FOR CABLE SIZING REFER TO DRAWING CMT-PROJ-003-ROC-0002-DWG-1401.

POWER ARRANGEMENTS FOR NEW COLUMN HC1-E TO BE CONFIRMED. TO BE OWNED AND MAINTAINED BY HEALTH CENTRE PROPERTY LANDLORD

POWER ARRANGEMENTS FOR TREE TO BE CONFIRMED

PROPOSED 2 X 100MM CROSS CARRIAGEWAY DIA. ORANGE STREET LIGHTING DUCT TO INVERT 750MM TO TOP OF DUCTS. FOR DUCT SIZE AND SPECIFICATIONS REFER TO LAYOUT DRAWING CMT-PROJ-003-ROC-0002-DWG-0501.

PROPOSED STREET LIGHTING ACCESS CHAMBER AS PER DUCTING LAYOUT AND STANDARD DETAIL.

CHAMBERS AT COLUMNS/CHANGE OF DIRECTION SHALL PROVIDE 450 MIN COVER AS PER STANDARD DETAILS CLP 05.02- CABLE ACCESS CHAMBERS

CHAMBERS AT CROSS CARRIAGEWAY DUCTS SHALL PROVIDE 750MIN COVER AS PER STANDARD DETAIL CLP 05.02- CABLE ACCESS CHAMBERS

PROPOSED GALVANISED STEEL STREET LIGHTING FEEDER PILLAR HAVING AN INCOMING DNO SUPPLY WITH A DOUBLE POLE CUT OUT AND A SECONDARY TWO WAY ISOLATOR WITH TWO FUSED OUTGOING WAYS. REFER TO STANDARD ELECTRICAL DETAILS CMT-PROJ-003-ROC-0002-DWG-1401.

PROPOSED MEDIUM SIZED FEEDER PILLAR INCORPORATING A DP ISOLATOR, RCBO, TIME-CLOCK AND TRANSFORMER THE OUTGOING CABLE IS DUCTED TO THE BASE OF THE TREE AND TERMINATED INTO A TREE SOCKET. ALL LOCATIONS SHALL BE CONFIRMED ON SITE WITH THE STREET LIGHTING ENGINEERS, ONCE THE TREE POSITION HAS BEEN AGREED.

ALL COLUMNS AND LANTERNS ARE TO BE PAINTED BLACK AS PER ROCHDALE TOWN CENTRE PAINTING SPECIFICATION

PROPOSED 8M HOLOPHANE BESPOKE DECO COLUMN RANGE FOR USE WITH SIGNATURE LANTERN HAVING A 257MM DIAMETER BASE AND REDUCED TO 101MM SPIGOT TOP, AND PLANTED BASE AS PER HOLOPHANE STANDARD DETAIL CC10187, PAINTED RAL6009 PLANTED STREET LIGHTING COLUMN INCLUSIVE OF AN ACCESS CHAMBER AS PER DUCTING LAYOUT AND STANDARD DETAIL.

EACH COLUMN SHALL BE FITTED WITH TWO IP67 3 PIN 16A FESTIVE SOCKET ANGLED AT 45 DEGREE FITTED TO A STAINLESS STEEL COLUMN-MOUNTED BRACKET, WITH REAR ENTRY PG STUFFING GLAND FOR PRE-WIRED ARCTIC BLUE 3 CORE 2.5MM FLEXIBLE CABLE TERMINATED INTO A 2X 4 MODULE FESTIVE ENCLOSURE HAVING A 16A RCBO PROTECTION TO FESTIVE LIGHTING CIRCUIT, SWITCHED THROUGH A CONTACTOR CONTROLLED BY A SWITCHED LIVE CIRCUIT AND ONE FUSE CARRIER FOR PROTECTION TO THE LANTERN. TRIPLE POLE ISOLATION TO ALL CIRCUITS. INCOMING GLAND PLATE TO ALLOW UP TOO 16MM 4 CORE CABLE.

PROPOSED 5M HOLOPHANE BESPOKE DECO COLUMN RANGE FOR USE WITH SIGNATURE LANTERN HAVING A 200MM DIAMETER BASE AND REDUCED TO 101MM SPIGOT TOP, AND PLANTED BASE AS PER HOLOPHANE STANDARD DETAIL CC10187, PAINTED RAL6009 PLANTED STREET LIGHTING COLUMN INCLUSIVE OF AN ACCESS CHAMBER AS PER DUCTING LAYOUT AND STANDARD DETAIL.

*-C SUFFIX C LANTERN - POST TOP (VB) MOUNTED SIGNATURE LANTERN WITH A 3000K LED OUTPUT AND OPTIC SETTING SY AND ELECTRONIC DALI ENABLED DRIVERS SET TO DELIVER 12.90KLM AND A LUCY ZODION VISION UNINODE HAVING 7 PIN NEMA SWITCHING ON AT 55 LUX. (SIG.1.LA143.SY.VB1.C4.C.T7T.LRD.CL8.CPROTEC.FL1051

*-E SUFFIX E LANTERN - POST TOP (VB) MOUNTED SIGNATURE LANTERN WITH A 3000K LED OUTPUT AND OPTIC SETTING NR AND ELECTRONIC DALI ENABLED DRIVERS SET TO DELIVER 8.59KLM AND A LUCY ZODION VISION UNINODE HAVING 7 PIN NEMA SWITCHING ON AT 55 LUX. (SIG.1.LA113.NR.VB1.C4.C.T7T.LRD.CL8.CPROTEC.FL1051

GENERAL NOTES

- ALL INFORMATION SHOWN ON THIS PLAN IS FOR COMMENT ONLY, AND SHALL NOT BE USED FOR INSTALLATION PURPOSES.
- ALL DETAILED SPECIFICATION OF MATERIALS SUCH AS, BUT NOT LIMITED, LANTERNS, COLUMNS, CMS INTEGRATION, LUMEN OUTPUT AND OPTIC OF LANTERNS SHALL BE AS STATED ON THIS LAYOUT TO MEET THE LIGHTING STANDARDS AS SPECIFIED BY ROCHDALE COUNCIL'S STREET LIGHTING DEPARTMENT.
- ELECTRICAL SUPPLY ARRANGEMENTS SHALL BE CONFIRMED, BUT IS ASSUMED THERE WILL BE A REQUIREMENT FOR A DUCTED SYSTEM TO BE INSTALLED.
- PROPOSED LED'S ARE TO BE 3000K CCT AND SHALL HAVE ADEQUATE OPTICAL CONTROL TO MINIMISE LIGHT POLLUTION AND OBTRUSIVE LIGHT TO PROPERTIES AND TO CONTROL GLARE
- STREET LIGHTING COLUMN SPECIFICATION SHALL BE AS PER HOLOPHANE'S STANDARD DETAIL DRAWING TO ENSURE THEY CAN ALLOW ATTACHMENTS TO BE FITTED SUCH AS, FESTIVE FEATURES, CCTV AND FEATURE LIGHTING.

STREET LIGHTING NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH OLDHAM AND ROCHDALE COUNCIL'S STREET LIGHTING PFI SPECIFICATION.
- REFERENCE TO COMMUNITY LIGHTING PARTNERSHIP (CLP) STANDARD DETAILS SHALL BE NOTED:
 - TERMINATION L1 AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.01 TERMINATION OF CABLES TYPE L1 REV A.
 - TERMINATION L2 AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.02 TERMINATION OF CABLES TYPE L2 REV A.
 - TERMINATION L6 AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.06 TERMINATION OF CABLES TYPE L6 REV A.
 - WARNING NOTICES AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 13.72 WARNING NOTICES FOR ROAD LIGHTING COLUMNS.
 - BASE COMPARTMENT GENERAL ARRANGEMENT AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.26 BASE COMPARTMENT GENERAL ARRANGEMENT REV A.
 - COLUMN AND SIGN NUMBERING DETAIL AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.27 COLUMN AND SIGN NUMBERING DETAIL.
 - TERMINATION LABELS IN BASE COMPARTMENT AS PER OLDHAM & ROCHDALE PFI SPECIFICATION - 14.28 TERMINATION LABELS IN BASE COMPARTMENT.
- ALL LUMINAIRES SHALL INCORPORATE REMOTE MONITORING SYSTEM AS LUCY ZODION VIZION, INCLUSIVE OF ELECTRONIC GEAR AND NODE.
- THE STREET LIGHTING INSTALLATION SHALL NOT BE ACCEPTED AS COMPLETE UNTIL:
 - THE STREET LIGHTING ENGINEER HAS RECEIVED AS BUILT DRAWINGS.
 - THE STREET LIGHTING ENGINEER HAS RECEIVED ALL TEST CERTIFICATES, AS SPECIFIED IN THE SPECIFICATION FOR ROAD LIGHTING, ILLUMINATED TRAFFIC SIGNS AND BOLLARDS IN OLDHAM & ROCHDALE.
 - SERVICE DRAWINGS FOR THE AREA HAVE BEEN RECEIVED.
 - THE INSTALLATION HAS BEEN INSPECTED FOR:
 - COMPLIANCE WITH THE DESIGN SPECIFICATION AND HAS BEEN INSTALLED IN ACCORDANCE WITH THE SPECIFICATION FOR ROAD LIGHTING, ILLUMINATE TRAFFIC SIGNS AND BOLLARDS IN OLDHAM & ROCHDALE.
 - ANY OUTSTANDING REMEDIAL WORKS HAVE BEEN COMPLETED.
- ALL DWG TO BE PRODUCED IN COLORS.

01	Outline design provided for Comment	PB	PB	06/25
Rev	Details of revision	By	Chkd	Date



HIGHWAYS, PROPERTY & STRATEGIC HOUSING

Project: ROCHDALE STATION SQUARE

Title: PROPOSED STREET LIGHTING LAYOUT SHEET 1 OF 1

Drawn	Checked	Approved	Revision
PB	PB	AS	01
Scale:	1:500 @ A1	Date:	MAY 25

Dwg No.: PROJ-003-ROC-0002-DWG-1301

Ref. No.	Description of Risk
1.	Proximity to Tram Systems overhead catenary cable support system and tram lines. Guidance to be followed.
2.	Underground High Voltage Electricity services area present in the footpath. Underground Low Voltage Electricity services are present in the footway where a DNO is specified.