NOTES:

1. FOR THE STREET LIGHTING KEY AND SPECIFICATION OF COLUMNS, LANTERNS AND ELECTRICAL SUPPLIES, PLEASE REFER TO THE RELEVANT DRAWING LAYOUT.

2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH OLDHAM AND ROCHDALE COUNCIL'S STREET LIGHTING PFI SPECIFICATION AND THE SPECIFICATION FOR ROAD LIGHTING, ILLUMINATED TRAFFIC SIGNS AND BOLLARDS IN OLDHAM & ROCHDALE

3. REFERENCE TO "COMMUNITY LIGHTING PARTNERSHIP (CLP) STANDARD DETAILS SHALL BE NOTED:
 - 13.02 INSTALLATION OF MID HINGED LIGHTING COLUMNS
 - 13.03 INSTALLATION OF STEEL LIGHTING COLUMNS
 - 13.04 COLUMN DOOR ALIGNMENT
 - 13.11 WARNING NOTICES FOR ROAD LIGHTING COLUMNS
 - 14.01 TERMINATION OF CABLES TYPE L1 REV A
 - 14.02 TERMINATION OF CABLES TYPE L2 REV A
 - 14.04 TERMINATION OF CABLES TYPE L4 REV A
 - 14.26 BASE COMPARTMENT GENERAL ARRANGEMENT REV A
 - 14.27 COLUMN AND SIGN NUMBERING DETAIL
 - 14.28 TERMINATION LABELS IN BASE COMPARTMENT
 - 14.42 FEEDER PILLAR TYPE B FOR UP TO 6 OUTGOING CIRCUITS
 - 14.47 FEEDER PILLAR NOTICES, LABELING, NUMBERING AND LETTERING

3. OLDHAM AND ROCHDALE'S COLUMN SPECIFICATION SHALL BE IN ACCORDANCE WITH VALMONT STANTON STANDARD DETAIL DRAWINGS AS PER SPECIFIED IN THE PROPOSED KEY, ALL HAVING GLASS FLAKE ROOT PROTECTION.

4. ALL LUMINAIRES SHALL INCORPORATE REMOTE MONITORING SYSTEM AS LUCY ZODION VIZION, INCLUSIVE OF ELECTRONIC GEAR AND NODE.

5. THE DEVELOPER SHALL BE RESPONSIBLE TO LIAISE WITH LUCY ZODION TO ENSURE ALL LIGHTING COLUMNS WILL BE ACCESSIBLE TO THE REMOTE MONITORING SYSTEM WHICH WILL BE PASSED OVER ON FINAL ADOPTION/ACCRUAL OF THE ASSETS.

6. THE POSITION OF THE STREET LIGHTING COLUMNS SHALL BE SET OUT BY THE DEVELOPER AND SHALL BE INSTALLED ONCE THE FRONT AND BACK EDGES ARE IN SITU TO ENSURE THE COLUMN IS PLANTED TO THE CORRECT DEPTH.

7. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO ENSURE THERE IS SUFFICIENT AREA TO PLANT THE STREET LIGHTING COLUMNS IN THE POSITIONS INDICATED WITHIN THE PROPOSED ADOPTED HIGHWAY.

8. PROGRAMMING AND LIAISON WITH THE DISTRIBUTION NETWORK OPERATORS AND CONTRACTORS IS THE SOLE RESPONSIBILITY OF THE DEVELOPER.

9. THE PROVISION OF ELECTRICITY SERVICES TO EACH INDIVIDUAL LIGHTING COLUMN SHALL BE ORDERED DIRECT FROM THE DISTRIBUTION NETWORK OPERATOR BY THE DEVELOPER WHO WILL BE REQUIRED TO BEAR THE COSTS THEREOF.

10 THE DNO TERMINATION POINT SHALL BE A DOUBLE-POLE CUT OUT IN ACCORDANCE WITH ENWL SPECIFICATION, COMPLETE WITH BS 88 PART 2 FUSE.

ADOPTION NOTES:

1. 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.

13. 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
 - THROUGH A NIGHT TIME INSPECTION, OBSERVED AS BEING FULLY OPERATIONAL.
 - ANY OUTSTANDING REMEDIAL WORKS HAVE BEEN COMPLETED.

14. THE DEVELOPER IS RESPONSIBLE FOR ALL ENERGY CONSUMED BY ILLUMINATED STREET FURNITURE UNTIL THE DEVELOPMENT HAS BEEN ACCEPTED UNDER PART B OF THE STREET LIGHTING PFI SCHEDULE 15 ACCRUAL AND DE-ACCRUALS. AT THIS POINT THE AUTHORITY WILL ACCEPT RESPONSIBILITY FOR THE ENERGY CHARGES.

15. FINAL ADOPTION OF THE DEVELOPMENT TAKES PLACE FOLLOWING THE SATISFACTORY INSPECTION OF THE SITE INCLUDING:-
 - A FINAL INSPECTION OF THE LIGHTING INSTALLATION; AND
 - NIGHT TIME INSPECTIONS TO CONFIRM ALL LIGHTING UNITS ARE OPERATIONAL.

FOR ALL DUCTING DETAILS REFER TO DRAWING ARC-170A-DWG-0501 AND RMBC STANDARD DETAILS.

FOR ELECTRICAL SCHEMATIC WIRING DIAGRAM FOR CABLE SIZES AND CPD SIZING REFER TO DRAWING ARC-170A-DWG-1401.

PROPOSED STREET LIGHTING KEY

EXISTING ROAD LIGHTING COLUMN TO REMAIN.

PROPOSED 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 C4058REV03, POST TOP MOUNTED HOLOPHANE V-MAX II LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN LM6 ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET REPLACEMENT KIT FOR 20MM DIA HOLE, INCORPORATING A 3.70KLM 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, HAVING A VIZIONDALI INTERFACE CONTROL UNIT AND COLLECTOR MOUNTED THROUGH A 20MM DIA HOLE. SWITCHING ON AT 20 LUX (1:1) AS PER OLDHAM & ROCHDALE SPECIFICATIONS. (VMXII.1.LA043.V1.FAQ1.W027.PT1.T7.LRD.CL0.L007).

PROPOSED 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 C4058REV03, POST TOP MOUNTED HOLOPHANE V-MAX II LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°, AND AN LM6 ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 3.70KLM 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 AT 20 LUX (1:1) AS PER OLDHAM & ROCHDALE SPECIFICATIONS. (VMXII.1.LA043.V1.FAQ1.W027.PT1.T7.LRD.CL0.L007).

PROPOSED 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 C4058REV03, POST TOP MOUNTED HOLOPHANE V-MAX II LUMINAIRE UNIT HAVING AN UPWARD TILT OF 0°,AND AN LM6 ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 2.50KLM 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 AT 20 LUX (1:1) AS PER OLDHAM & ROCHDALE SPECIFICATIONS. (VMXII.1.LA033.V1.FAQ1.W018.PT1.T7.LRD.CL0.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 DETAIL DRAWING CC0760 HAVING A POST TOP MOUNTED HOLOPHANE V-MAX II LUMINAIRE UNIT HAVING A TILT OF 0 AND AN ALUMINIUM BODY AND CANOPY WITH A 7 PIN NEMA SOCKET INCORPORATING A 2.50KLM 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 AT 20 LUX (1:1) AS PER OLDHAM & ROCHDALE SPECIFICATIONS. (VMXII.1.LA033.V1.FAQ1.W018.PT1.T7.LRD.CL0.L007).

PROPOSED STAINLESS STEEL FEEDER PILLAR AS PER RITHERDON RB460 (W460 X D260 X H1175) INCLUSIVE OF A 4 WAY CONSUMER UNIT IN STAINLESS STEEL WITH A 25 A4P DP MAIN ISOLATOR AND BS88-2 CARTRIDGE FUSES AS PER CLP STANDARD DETAILS 14.42 AND 14.47.

PROPOSED 6MM 3 CORE PVC/SWA/PVC STREET LIGHTING POWER CABLE LAID IN 1 X 100MM DIA. ORANGE STREET LIGHTING DUCT WITHIN FOOTPATH TO INVERT 450MM TO TOP OF DUCTS AS PER CMDC STANDARD DETAILS. (FOR DUCTING AND CHAMBER DRAWING REFER TO ARC-170A-DWG-0501).

PROPOSED ELECTRICAL EARTH ELECTRODE AND PIT AS PER STANDARD DETAIL CLP 14.50 - EARTH PIT AND ELECTRODE DETAIL.

PROPOSED 450 X 450MM STREET LIGHTING ACCESS CHAMBER AS PER CLP STANDARD DETAIL DRAWINGS NOS CLP 05.02- CABLE ACCESS CHAMBERS

DNO-C PROPOSED DISTRIBUTION NETWORK OPERATOR CONNECTION REQUIRED INCLUDING AN ENW APPROVED DOUBLE POLE CUT OUT POSITIONED TO THE BOTTOM OF THE DOOR APERTURE AS PER CLP STANDARD DETAIL DRAWING NUMBER 14.26. SERVICE CABLE TO ENTER COLUMN VIA A RED RIGID ELBOW DUCT.

PCN-C PROPOSED PRIVATE CABLE NETWORK CONNECTION REQUIRED INCLUDING A DOUBLE POLE CUT OUT POSITIONED IN THE DOOR APERATURE AS PER CLP STANDARD DETAIL DRAWING NUMBERS 14.01 AND 14.02.

MATERIAL SPECIFICATION ADVISORY NOTE

THE SPECIFIED LUCY ZODION EQUIPMENT (VIZION INTERFACE CONTROL UNIT, COLLECTOR AND UNINODE 3) ARE SUBJECT TO CHANGE IN THE COMING MONTHS AND MAY NOT BE AVAILABLE TO PURCHASE. A TEMPORARY LUCY S56 NEMA PHOTOCELL MAY BE REQUIRED IN THE INTERIM. PLEASE CONTACT THE STREET LIGHTING AUTHORITY FOR AN AMENDED SPECIFICATION.

ROAD LIGHTING CLASSIFICATION

ROADS LIT TO LIGHTING CLASSIFICATION OF P4

ROADS LIT TO LIGHTING CLASSIFICATION OF P5

Revision	Description	Date	Design By
P01	Updated the Roads and External Levels to the latest amendments made to BHDWH planning layout HB544-2030l01 Rev 005.	Nov 25	LB

Project: Cowm Top, Rochdale

Description: Street Lighting Layout Sheet 1 of 2

Design By:	Date:	Scale at A0:	Revision:
LB	Nov 25	1:500	P01

Project	Originator	Functional	Spatial	Form	Discipline	Number
HB544	- BAH -	XX	- XX -	DR	- LE -	362001

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Do not scale from this drawing. Work to given dimensions only. Any discrepancies are to be reported to Originator.
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