



- GENERAL SAFETY NOTES**
- WHERE THE BASE ROAD BASE HAS BEEN USED AS A TEMPORARY FINISH SURFACE DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND FINISHING AS NECESSARY. AFTER FINISHING AND IMMEDIATELY BEFORE THE UNDER COARSE IS LAID A TACK COAT OF BITUMEN EMULSION CLASS A140 H-4 TO BEAPPLIED AT A RATE OF 0.5 L/SQ M (2.0 GALLONS/SQ YD).
 - ALL BACKSPLASHES WITH A RADIUS OF 750 OR LESS SHALL BE FORMED WITH PROPRIETARY RADIUS MOBS.
- HEALTH & SAFETY**
- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.
- ESD&S & ESD&S**
- CONTRACTOR TO PROVIDE TRENCH-SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.
 - THE TRENCH EXCAVATING AND OPENING SITE SHOULD BE DEPT TO A MINIMUM AND TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
 - CONNECTIONS TO EXISTING SERVICES SHOULD BE MADE BY APPROVED CONTRACTOR ONLY.
 - CONTRACTOR TO MAKE OPERATIVE AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEAD-CONTAINING WELLS, CABLES AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
 - UNBURNED WINKLES MUST BE COVERED WITH LOAD-BEARING MATERIALS AND SURROUNDED WITH BARRIER.
- PERMITS & CABLES**
- CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORK COMMENCING.
 - SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.
- ESCAVATIONS**
- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
 - CONTRACTOR TO ENSURE THAT PROTECTIVE MEASURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
 - CONTRACTOR TO REFER TO SPECIAL INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

ADOPTABLE LIGHTING SPECIFICATION

LIGHTING COLUMN:
PROPOSED GALVANISED TUBULAR STEEL LIGHTING COLUMN OF 6.0 METRE NOMINAL HEIGHT WITH A PLATED BASE AS SUPPLIED BY MALLATTITE TO CUMBRIA COUNTY COUNCIL STREET LIGHTING SPECIFICATION.
MANUFACTURER REF: B8917 PT

LUMINAIRE:
AXIA 2.1 5167

PHOTOCELL:
LUCY 2000N S89 - 10/10 ON/OFF ONLY - WHITE IDENTIFICATION BAND - 57 P/N NEMA SOCKET BASE

CUT OUT UNIT:
CUT OUT UNITS SHALL BE PURPOSE MADE FOR ROAD LIGHTING APPLICATIONS COMPLY WITH BS 7534 AND SHALL HAVE MOLDED HOUSINGS WITH MINIMUM PROTECTIONS OF IP6X, IP51.

STREET LIGHTING DETAILS

CCSD
RESULTS - HORIZONTAL ILLUMINANCE (LUX)

EAV = 3.82
EMAV = 1.37
EMAX = 1.71
EMIN/EMAX = 0.18
EMIN/EAV = 0.36

LUMINAIRE DATA LUMINAIRE AXIA 2.1 5167 - 16 NICHA
NLS219CT 290W A NWS 28322
230V WITHOUT PROTECTOR
LAMP 16 NICHA NLS219CT
MAINTENANCE FACTOR 0.83

STREET LIGHTING KEY

● PROPOSED LUMINAIRE & LIGHTING COLUMN

STREET LIGHTING NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CUMBRIA COUNTY COUNCIL (CCC) STREET LIGHTING DESIGN SPECIFICATION AND CDM REGULATIONS 2015.
- ANY PROPOSALS ARE TO BE REPORTED TO THE OPERATING ORGANISATION ON SITE ENGINEER IMMEDIATELY.
- ALL NEW LIGHTING COLUMNS ARE TO HAVE DISTRIBUTION NETWORK OPERATOR (DNO) SERVICES. THE CONTRACTOR SHALL Liaise WITH THE DNO IN RELATION TO THE PROGRAMMING AND COORDINATION OF ANY WORKS ASSOCIATED WITH THE CONNECTION AND DISCONNECTION OF STREET LIGHTING EQUIPMENT.
- IT SHOULD BE ASSURED TO THE CONTRACTOR THAT NOT ALL SERVICES HAVE BEEN IDENTIFIED DURING THE DESIGN PERIOD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL SERVICES ARE IDENTIFIED AND FULLY LOCATED AND REPORTED.
- CONTRACTOR SHALL IDENTIFY THE LOCATION OF ANY OVERHEAD ELECTRICAL EQUIPMENT PRIOR TO THE UNDERMINE OF ANY PAVEMENT WORKS. SHOULD THE PRESENCE OF OVERHEAD ELECTRICAL EQUIPMENT BE IDENTIFIED, THE CONTRACTOR SHALL CONSULT WITH THE STREET LIGHTING COLUMN DESIGNER. LIGHTING COLUMN POSITIONS SHALL BE MARKED OUT IN ACCORDANCE WITH THE DESIGNER'S GUIDANCE. LIGHTING COLUMN IDENTIFICATION NUMBERS SHALL BE AGREED WITH THE LOCAL AUTHORITY STREET LIGHTING DEPARTMENT.
- CONTRACTOR SHALL PROVIDE THE LOCAL AUTHORITY WITH AS-BUILT DRAWINGS, TEST CERTIFICATES AND COLUMN AND LAMP DATA SHEETS IN ACCORDANCE WITH CCC STREET LIGHTING SPECIFICATION.
- LIGHTING COLUMN IDENTIFICATION NUMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE MANUFACTURER'S DATA SHEETS FOR THE COLUMN AND LAMP TYPES PRESENT (SEE ALSO CCC STREET LIGHTING SPECIFICATION).
- THE MINIMUM DISTANCE FOR A LIGHTING COLUMN TO BE ERECTED FROM THE KERB FACE IN A SERVICE STRIP SHALL BE 1 METRE.
- UNLESS OTHERWISE INDICATED, LIGHTING COLUMNS SHALL BE PLANTED AT THE REAR OF THE FOOTPATH AND POSITIONED SUCH THAT THE DOOR OPENING IS CLEAR AND AWAY FROM OBSCURING TRAFFIC, UNLESS OBSTRUCTED IN WHICH CASE IT SHALL BE ANGLED OUTWARDS TO CLEAR OBSTRUCTION.
- THE USE OF INDEPENDENT DISTRIBUTION NETWORK OPERATOR (DNO) IS PERMITTED. ANY DEVIATION SHALL HAVE A SERVICE LEVEL AGREEMENT IN PLACE WITH CCC PRIOR TO ACCEPTANCE OF THE NEW INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE CCC STREET LIGHTING DEPARTMENT WITH THE NAME, ADDRESS AND OPERATIONAL CONTACT DETAILS FOR ANY SUPPLIED LAMP.
- DNO CONTACT DETAILS SHALL ALSO BE STORED INSIDE THE BASE COMPONENT OF EACH LIGHTING COLUMN VIA MEANS OF AN IDENTIFICATION LABEL.

KEY

— SITE BOUNDARY
— ADOPTED CARRIAGEWAY
— ADOPTED FOOTPATH/SERVICE STRIP
— ADOPTED COLLARS
● LIGHTING COLUMN
PDC PEDESTRIAN DROP CROSSING

- NOTES**
- ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
SPECIFICATION FOR HIGHWAY WORKS (SHW)
LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION
 - PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY EXISTING UTILITY UNDERGROUNDS EQUIPMENT WITHIN THE NEW ACCESS AND ASSURE REQUIREMENTS FOR LOWERING/DIVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKERS.
 - ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES AS REQUIRED.
 - CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORK COMMENCING.

SUBJECT TO LOCAL AUTHORITY APPROVAL

REV	DESCRIPTION	DATE	BY	CHECKED	REV
00000	ISSUED TO SUIT LATEST LAYOUT		AD	AE	3
10000	ISSUED TO SUIT LATEST LAYOUT		AD	AE	4
20000	ISSUED TO SUIT LATEST LAYOUT		AD	AE	3
30000	ISSUED TO SUIT LATEST LAYOUT		AD	AE	2
00000	FIRST ISSUE		AD	AE	1

Date: _____
Drawn: _____
Checked: _____
Rev: _____

INFORMATION

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Client: **GLEESON HOMES**

Project: **FELL VIEW DRIVE, EGREMONT**

Sheet: **SECTION 3B PLAN**

DO NOT SCALE: Scale @ A2: 1:200 Drawn: AD Checked: AE Date: 06/08/2019
Job No: 18184 Day No: D800 Rev: 5