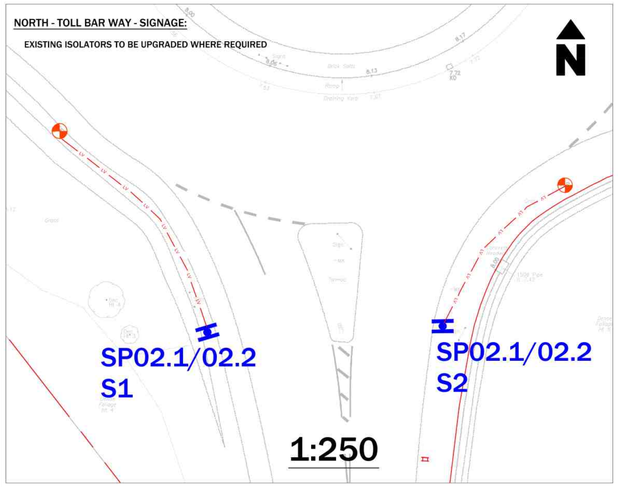
TABLE A: COLUMN SCHEDULE

UNIT #	EASTING	NORTHING	MOUNTING HEIGHT (M)	CONNECTION TYPE	LANTERN	COLUMN	CONTROL TYPE	DIMMING %
LB43FBY	517575.90	282555.41	10M	TRANSFER PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	40
LB45FBY	517575.11	282528.4	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	40
LB45BFBY	517596.64	282519.23	6M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	6M TUBULAR	TELENSA	100
LB46FBY	517574.55	282500.54	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
LB47FBY	517578.3	282467.16	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
LB48FBY	517586.2	282435.59	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
LB49FBY	517608.85	282428.71	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	100
LB50FBY	517620.74	282418.37	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	100
LB51FBY	517602.76	282396.3	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	100
LB52FBY	517626.29	282391.09	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	100
LB53FBY	517623.38	282363.14	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
LB54FBY	517643.77	282333.01	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
LB55FBY	517667.53	282298.01	10M	NEW PRIVATE SUPPLY	URBIS AMPERA EVO	10M TUBULAR	TELENSA	70
FP1	517615	282422	N/A	NEW UNMETERED DNO SUPPLY	N/A	N/A	N/A	N/A
SP02.1/02.2 - S1	517570.08	282618.79	3.9M	NEW PRIVATE SUPPLY	REDDILIGHT ENTERPRISE SIGN LIGHT 3W	WIDE BASE POST	MINIATURE MICROSTAR	N/A
SP02.1/02.2 - S2	517589.25	282619.18	3.9M	NEW PRIVATE SUPPLY	REDDILIGHT ENTERPRISE SIGN LIGHT 3W	WIDE BASE POST	MINIATURE MICROSTAR	N/A
SP02.1/02.2 - S3	517766.66	281932.09	3.9M	NEW PRIVATE SUPPLY	REDDILIGHT ENTERPRISE SIGN LIGHT 3W	WIDE BASE POST	MINIATURE MICROSTAR	N/A
SP02.1/02.2 - S4	517781.09	281939.64	3.9M	NEW PRIVATE SUPPLY	REDDILIGHT ENTERPRISE SIGN LIGHT 3W	WIDE BASE POST	MINIATURE MICROSTAR	N/A
HP1	517581.45	282514.92	2.1M	NEW PRIVATE SUPPLY	HAT PIN LIGHTING UNIT WITH SIMMONSIGNS MODU-CIC WHITE GLOBE UNIT			
B1	517581.45	282518.08	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B2	517581.37	282513.94	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B3	517601.15	282422.72	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B4	517601.44	282421.10	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B5	517621.66	282407.96	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B6	57624.18	282408.69	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B7	517616.17	282391.47	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			
B8	517616.67	282389.92	N/A	N/A	KEEP LEFT START TRAFFIC ST EVO-S SOLAR POWERED BOLLARD			

NORTH - TOLL BAR WAY - SIGNAGE:

EXISTING ISOLATORS TO BE UPGRADED WHERE REQUIRED



JOB NO: G9268
SITE: SAWTRY A1(M) JUNCTION
SCALE 1:200
DATE(Last Edited): 26/03/2019

THIS DIGITAL INFORMATION IS FINAL
SUPERCEDES ANY PREVIOUS INFORMATION SENT TO YOU

THIS DIGITAL INFORMATION IS REVISION NO: 0

LASER SURVEYS (TEL 01886 833173)

26/03/2019
DATA)
DATA)
DATA)
DATA)
DATA)

KEY CONTINUED:

8 KEEP LEFT SOLAR POWERED REBOUND BOLLARDS:
PROPOSED START TRAFFIC ST EVO-S SOLAR POWERED SELF ILLUMINATED BOLLARD. REFER TO SIGN SCHEDULE DRAWING.

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CAMBRIDGESHIRE COUNTY COUNCIL STANDARD DEVELOPMENT SPECIFICATION DATED JANUARY 2016 AND CCC'S STREET LIGHTING STANDARD DETAIL DRAWINGS. ALL LIGHTING COLUMNS AND TRAFFIC SIGNPOSTS TO BE INSTALLED IN LINE WITH STANDARD DETAIL DRAWING: BBLP 2600-001 REV A

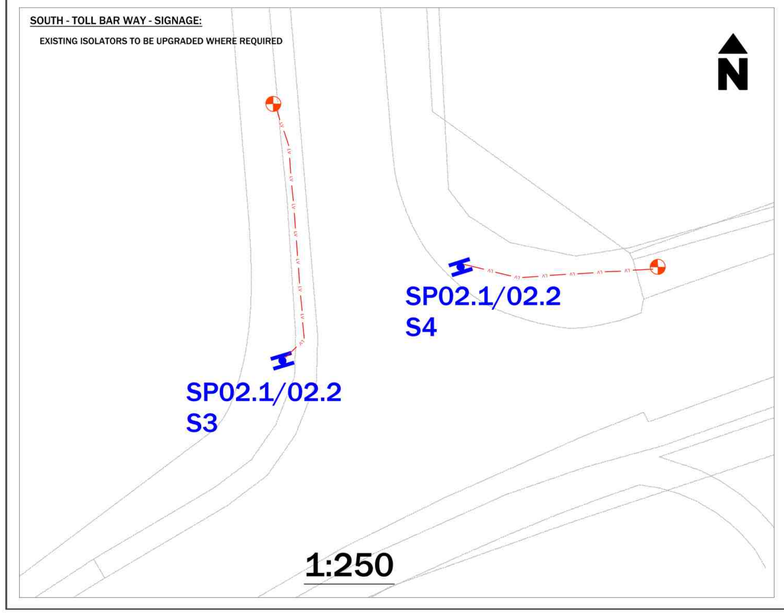
ALL COLUMNS ARE TO BE SET BACK AT LEAST 1.2M FROM HIGHWAY

LIGHTING NOTES:

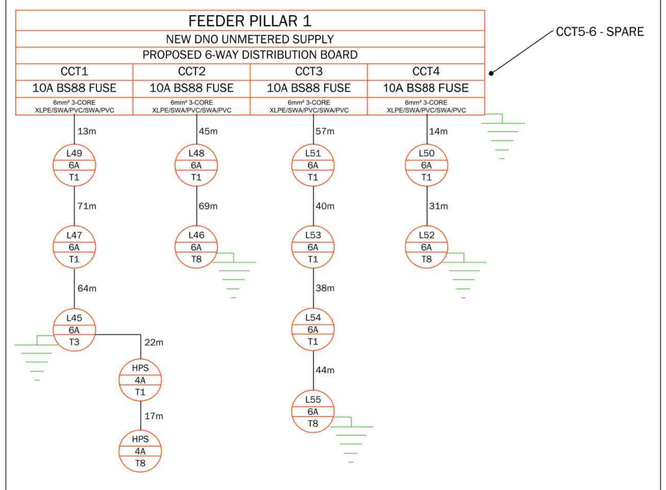
1. THIS DESIGN HAS BEEN PREPARED IN ACCORDANCE WITH HEA-HEMSA GUIDANCE NOTE - CDM2015 REGULATIONS, ISSUE 1.1, DATED 09/04/15
   1.1. PROCEDURE 3 - DETAILED DESIGN - BASED ON INFORMATION PROVIDED BY THE CLIENT.
2. REFER TO DESIGNERS HAZARD ELIMINATION AND MANAGEMENT DOCUMENT (REF: WLC1080-RA CDM RISK ASSESSMENT)
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LIAISE WITH THE DNO FOR MAINS SERVICE TO FEEDER PILLARS UNLESS OTHERWISE AGREED.
4. ALL APPARATUS TO BE:
   4.1. INSTALLED AND TESTED IN COMPLIANCE WITH BS7671 LATEST EDITION.
   4.2. NUMBERED / LABELED AS AGREED WITH AUTHORITY ENGINEER.
   4.3. NEW AT THE TIME OF INSTALLATION AND SUPPORTED BY RELEVANT MANUFACTURERS GUARANTEES AND DATA SHEETS.
5. ALL WORKS SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED AND COMPETENT PERSONS IN ACCORDANCE WITH BUT NOT LIMITED TO, G39 'WORKING IN THE VICINITY OF DNO EQUIPMENT', 'WORKING AT HEIGHT REGULATIONS', 'ELECTRICITY AT WORK REGULATIONS', 'SAFE DIGGING PRACTICES HSG47 'AVOIDING DANGER FROM UNDERGROUND SERVICES' AND 'CODE OF PRACTICE FOR ELECTRICAL SAFETY AND HIGHWAY ELECTRICAL OPERATIONS'
6. IT IS THE RESPONSIBILITY OF THE INSTALLING ORGANISATION TO UNDERTAKE FINAL DUE DILIGENCE AND DETERMINE THE EXACT LOCATION OF ANY STATUTORY UNDERTAKERS SERVICES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS ON SITE. ANY UTILITIES INDICATED ARE INDICATIVE ONLY.
7. CONTRACTORS SHOULD SATISFY THEMSELVES THAT ANY UTILITY DRAWINGS AFFECTING THE SCHEME ARE ACCURATE AND UP TO DATE FROM THE COMMENCEMENT OF CONSTRUCTION WORKS. IN SOME CIRCUMSTANCE, TRIAL HOLES OF A SUITABLE SIZE ARE TO BE DUG BEFORE PLANNED INSTALLATION OF ANY COLUMNS.
8. ISO-LUX CONTOUR LINES SHOWN ARE INDICATIVE.
9. ALL COLUMNS ARE TO BE AT REAR OF FOOTWAY / SERVICE STRIP OR AT CLEARANCE INDICATED, IF COLUMNS CANNOT BE INSTALLED AS SET OUT IN THIS DRAWING THEN THE DESIGNER IS TO BE CONSULTED FOR ALTERNATIVE POSITIONS.
10. CONSTRUCTION SHOULD NOT BE STARTED UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED BY THE AUTHORITY. ANY WORKS TAKING PLACE PRIOR TO APPROVAL SHALL BE AT THE DEVELOPERS RISK.

SOUTH - TOLL BAR WAY - SIGNAGE:

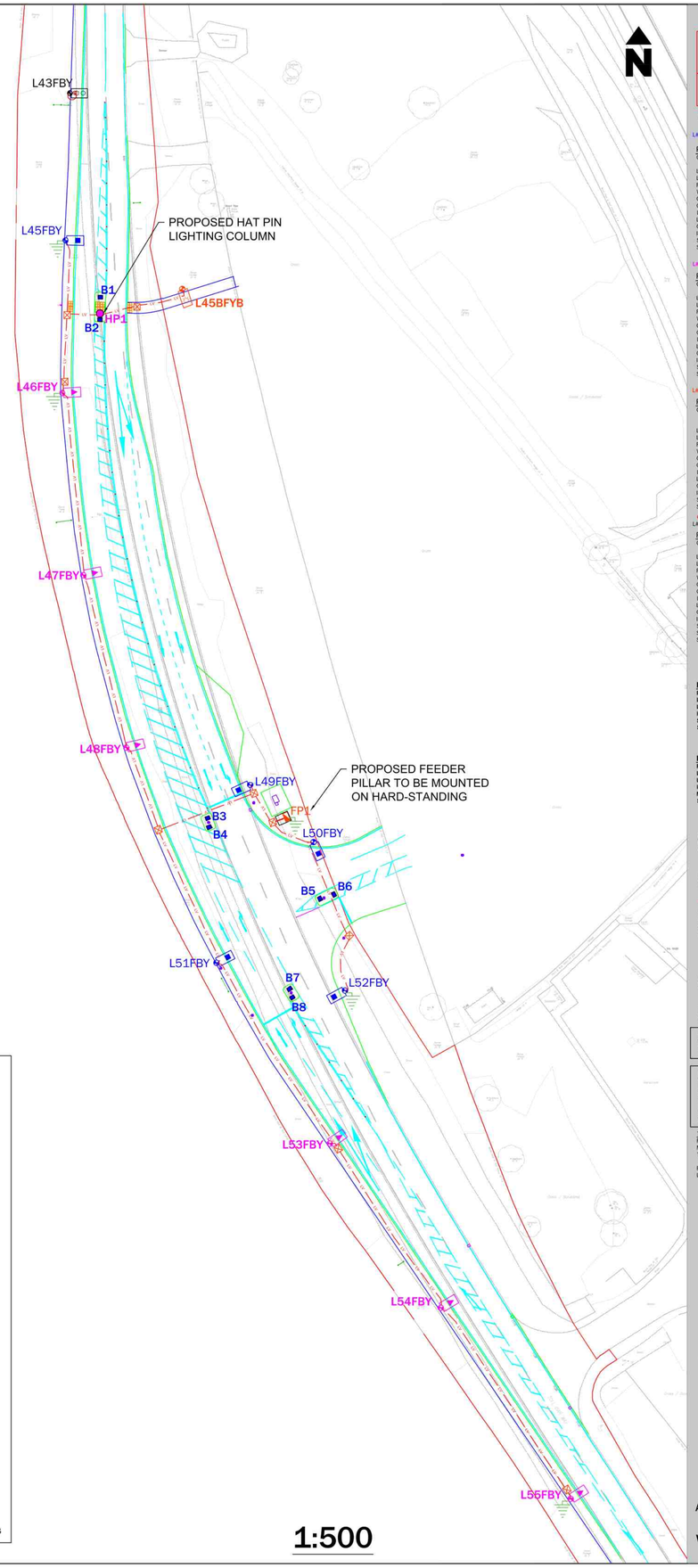
EXISTING ISOLATORS TO BE UPGRADED WHERE REQUIRED



SCHEMATIC DRAWING:



APPROX. 602m CABLE & 458m DUCTING



LIGHTING NOTES:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RISKS (REFERENCE SHALL ALSO BE MADE TO THE DESIGN RISK ASSESSMENT)

1. UNKNOWN UTILITIES MAY BE PRESENT - ANY UTILITIES SHOWN ARE INDICATIVE. CONTRACTOR MUST REFER TO UP TO DATE UTILITY PLANS.
2. REFER TO CDM RISK ASSESSMENT.

SYMBOL QUANTITY

L# 5

PROPOSED COLUMN AND LANTERN:

COLUMN:	10m MALLATITE TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER CAMBRIDGESHIRE COUNTY COUNCIL SPECIFICATION.
LANTERN:	URBIS AMPERA EVO 1 (RAL7075) COMPLETE WITH NEMA SOCKET
LIGHT SOURCE:	20 LED 700mA 4000K NEUTRAL WHITE
FLUX:	5.65klm
WATTAGE:	45.5W
CHARGE CODE:	42 0046 0000 100
OPTIC:	5393
LANTERN MOUNTING:	POST TOP MOUNTED
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	ELECTRONIC DALI DIMMABLE
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING:	GPS TELENSA SPIN TELECELL MOUNTED ON 7 PIN NEMA SOCKET
SUPPLY:	NEW PRIVATE SUPPLY

L# 6

PROPOSED COLUMN AND LANTERN:

COLUMN:	10m MALLATITE TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER CAMBRIDGESHIRE COUNTY COUNCIL SPECIFICATION.
LANTERN:	URBIS AMPERA EVO 3 (RAL7075) COMPLETE WITH NEMA SOCKET
LIGHT SOURCE:	60 LED 500mA 4000K NEUTRAL WHITE
FLUX:	12.95klm
WATTAGE:	92W
CHARGECODE:	42 0092 0000 100
OPTIC:	5393
LANTERN MOUNTING:	POST TOP MOUNTED
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	ELECTRONIC DALI DIMMABLE
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING:	GPS TELENSA SPIN TELECELL MOUNTED ON 7 PIN NEMA SOCKET
SUPPLY:	NEW PRIVATE SUPPLY

L# 1

PROPOSED COLUMN AND LANTERN:

COLUMN:	6m MALLATITE TUBULAR GALVANISED RIASE AND LOWER MID-HINGED STEEL LIGHTING COLUMN AS PER CAMBRIDGESHIRE COUNTY COUNCIL SPECIFICATION.
LANTERN:	URBIS AMPERA EVO 1 (RAL7035) COMPLETE WITH NEMA SOCKET
LIGHT SOURCE:	10 LED 350mA 4000K NEUTRAL WHITE
FLUX:	1.63klm
WATTAGE:	12W
CHARGECODE:	42 0012 0000 100
OPTIC:	5300
LANTERN MOUNTING:	POST TOP MOUNTED
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	ELECTRONIC DALI DIMMABLE
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING:	GPS TELENSA SPIN TELECELL MOUNTED ON 7 PIN NEMA SOCKET
SUPPLY:	NEW PRIVATE SUPPLY

L# 1

REPLACEMENT OF EXISTING COLUMN AND LANTERN:

COLUMN:	10m MALLATITE TUBULAR GALVANISED STEEL LIGHTING COLUMN AS PER CAMBRIDGESHIRE COUNTY COUNCIL SPECIFICATION.
LANTERN:	URBIS AMPERA EVO 1 (RAL7075) COMPLETE WITH NEMA SOCKET
LIGHT SOURCE:	20 LED 700mA 4000K NEUTRAL WHITE
FLUX:	5.65klm
WATTAGE:	45.5W
CHARGE CODE:	42 0046 0000 100
OPTIC:	5393
LANTERN MOUNTING:	POST TOP MOUNTED
LANTERN INCLINATION:	0°
CONTROL GEAR REF:	ELECTRONIC DALI DIMMABLE
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING:	GPS TELENSA SPIN TELECELL MOUNTED ON 7 PIN NEMA SOCKET
SUPPLY:	TRANSFER EXISTING PRIVATE SUPPLY TO NEW COLUMN
SITE CLEARANCE:	REMOVAL OF EXISTING COLUMN AND LANTERN AND TAKE TO TIP. DISPOSE OF ELECTRICAL COMPONENTS FOLLOWING WEEEE REGULATIONS.

H 4

PROPOSED DOUBLE SIGN LIGHT - REFER TO SIGN SCHEDULE:

POST:	WIDE BASE GALVANISED STEEL POST
LANTERN:	REDDILIGHT ENTERPRISE 1 3W SIGN LIGHT
LANTERN MOUNTING:	DOUBLE ARM BRACKET
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
SWITCHING:	MINIATURE MICROSTAR PHOTOCELL 35 LUX ON 18 LUX OFF
SUPPLY:	NEW PRIVATE SUPPLY

1

PROPOSED HAT PIN LIGHT - REFER TO SIGN SCHEDULE:

POST:	6M TUBULAR GALVANISED STEEL LIGHTING COLUMN
LANTERN:	SIMMONSIGNS MODU-CIC WHITE GLOBE BEACON
LANTERN MOUNTING:	DIRECT POST TOP
ISOLATOR:	CHARLES ENDIRECT DOUBLE POLE ISOLATOR
MOUNTING:	TO BE MOUNTED IN NAL RETENTION SOCKET T-BEND
SUPPLY:	NEW PRIVATE SUPPLY

1

FEEDER PILLAR:
PROPOSED FEEDER PILLAR - NEW UNMETERED DNO SUPPLY TO CHARLES ENDIRECT PRE-WIRED 6-WAY DIST BOARD + FEEDER PILLAR

9

NAL STAKKA BOX ACCESS CHAMBER:
ACCESS CHAMBER 450mm(W) x 450mm(L) x 465mm(D)

LV APPROX. 602m CABLE & 458m DUCTING

CABLING AND DUCTING:
100XM40 HDPE DRAINAGE DUCT FOR PRIVATE CABLE NETWORK LAID AT A MINIMUM COVER OF 450MM IN FOOTPATH AND 750MM IN ROADWAY. 6MM² XLPE/PVC/SWA 3 CORE CABLE. REFER TO SCHEMATIC DRAWING.

5

EARTHING:
EARTH ROD - SHALL CONFORM TO BS 5951, BS 7671 AND BS 7430.

EXISTING COLUMN:
SHOWN FOR TIE-IN PURPOSES ONLY.

DIMMING REQUIREMENTS:
ALL LINTS ARE TO DIM BETWEEN THE HOURS OF 20:00 AND 06:00 - REFER TO TABLE A FOR DIMMING %.

LIGHTING CALCULATION DETAILS:
THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASS(ES): M5, C5 IN ACCORDANCE WITH CCC SPECIFICATION AND BS5489-1:2020

LEVELS ACHIEVED:
REFER TO LIGHTING CALCULATION REPORT.

TELENSA CENTRAL MANAGEMENT SYSTEM:
FOR DETAILS OF EXACT CMS REQUIREMENTS PLEASE CONTACT: MR ROB OWEN, ASSET MANAGER, BALFOUR BEATTY LIVING PLACES
T: 01954 233330 E.MAIL: CAMBSTELENSA@BALFOURBEATTY.COM

FOR EACH TELENSA TELECELL THE CONTRACTOR MUST PROVIDE WATERPROOF NODE NUMBER LABELS AS FOLLOWS:
1. 1NO IS TO BE INSTALLED IN A CLEARLY VISIBLE POSITION INSIDE THE BASE COMPARTMENT ON ISOLATOR.
2. 1NO IS TO BE FITTED WITHIN THE LANTERNS CANOPY.
3. A FULL SIZE SCALED PAPER PLAN IS TO BE PROVIDED TO THE LHA ENGINEER WITH NODE NUMBER LABELS STUCK NEXT TO THE CORRESPONDING LIGHTING COLUMN SYMBOL POSITIONS. HAND WRITTEN PLANS WILL NOT BE ACCEPTED.

REV:	DESCRIPTION:	BY:	DATE:
R4	LA REVIEW	PW	07.01.25
R3	L49F1B REPLACED	PW	06.12.24
R2	CLIENT REVIEW	PW	29.11.24
R1	LA REVIEW	PW	21.06.24
R0	FIRST ISSUE	PW	21.05.24

STATUS: **FOR APPROVAL**

Williams Lighting Consultants Ltd.
WLC info@wlclighting.co.uk
www.wlclighting.co.uk
01608 642530

SITE: **S278 MOTO SAWTRY**

TITLE: **PROPOSED ADOPTABLE STREET LIGHTING LAYOUT**

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
AS SHOWN	21.05.24	PW	LD

PROJECT NO:	DRAWING NO:	REVISION:
WLC1080	WLC1080-1300-001	R4