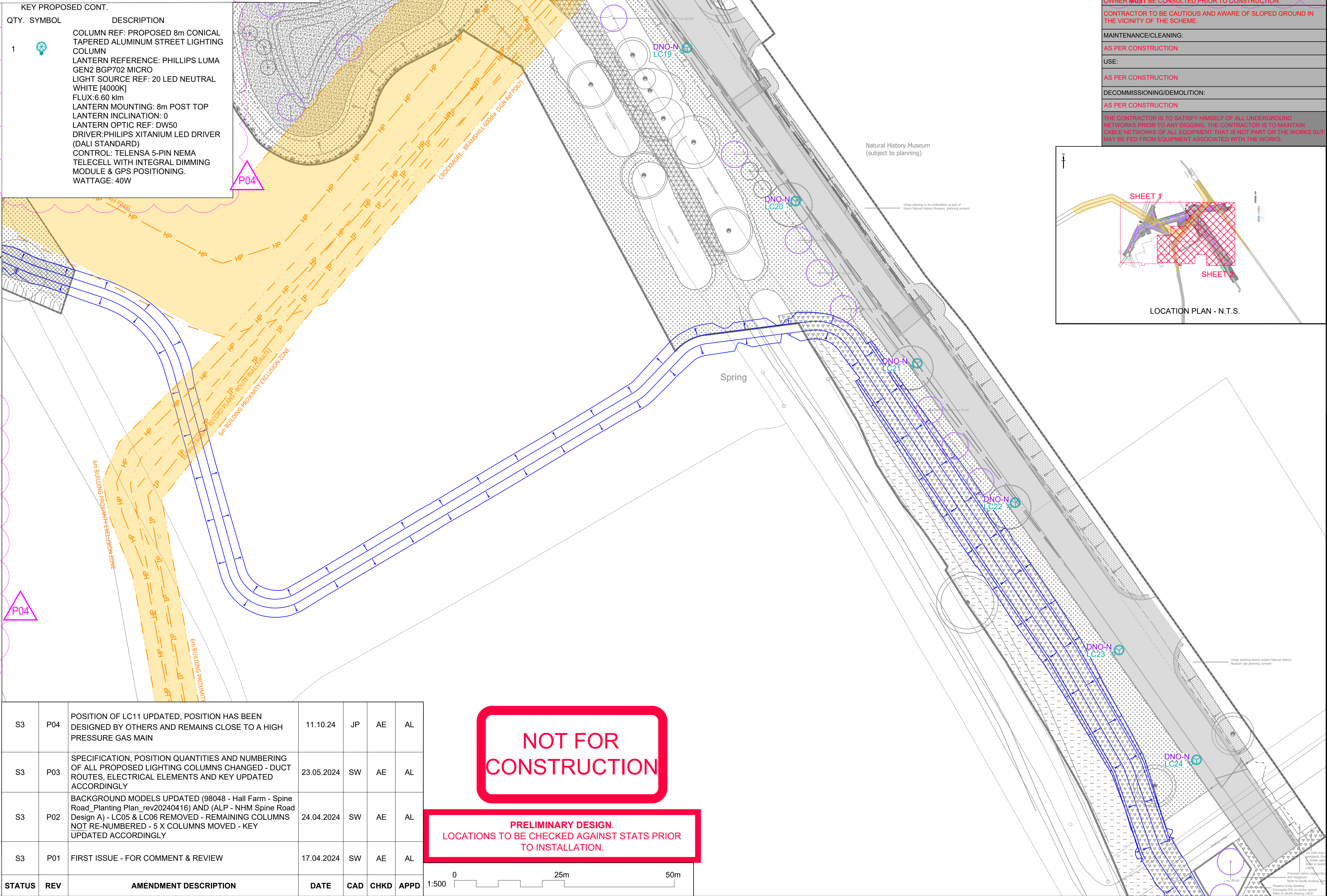


- Notes**
- THIS IS AN AUTOCAD DRAWING AND SHOULD NOT BE AMENDED BY HAND.
 - THE EXISTING LOCATIONS ARE APPROXIMATE AND THEIR ACCURACY CANNOT BE GUARANTEED.
 - ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
 - DRAWING TO BE READ IN CONJUNCTION WITH OTHER CONTRACT DOCUMENTS.
 - 3399-DFL-HLG-XX-CA-EO-13001 [LIGHTING CALCULATION]
 - 3399-DFL-HLG-XX-CA-EO-13002 [LIGHTING CALCULATION]
 - 3399-DFL-HLG-XX-RP-EO-13001 [DESIGN SUMMARY REPORT]
 - 3399-DFL-HLG-XX-RA-EO-13001 [RISK ASSESSMENT]
 - 3399-DFL-HLG-XX-DR-EO-13001 [LIGHTING LAYOUT]
 - 3399-DFL-HEL-XX-SC-EO-14001 [ELECTRICAL SCHEMATIC]
 - THIS DRAWING MUST NOT BE SCALED.
 - COLUMN LOCATIONS TO BE CHECKED AGAINST UTILITY DRAWINGS FOR CONFLICTS BY A COMPETENT ENGINEER.
 - CONTRACTOR SHOULD SATISFY THEMSELVES THAT ANY UTILITY DRAWINGS AFFECTING THE SCHEME ARE ACCURATE AND UP TO DATE PRIOR TO COMMENCEMENT.
 - ALL LIGHTING INSTALLATIONS AND EQUIPMENT TO BE TO WOKINGHAM BOROUGH COUNCIL ADOPTABLE STANDARDS.
 - COLUMNS ARE TO BE POSITIONED AS SET OUT ON THIS DRAWING.
 - IF COLUMNS CANNOT BE INSTALLED AS SET OUT IN THIS DRAWING, THEN THE DESIGNER WILL HAVE TO BE CONSULTED FOR NEW COLUMN POSITIONS.

QTY.	SYMBOL	DESCRIPTION
6		COLUMN REF: PROPOSED 6m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN LANTERN REFERENCE: PHILLIPS LUMA GEN2 MICRO BGP702 LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 3.60 klm LANTERN MOUNTING: 6m POST TOP LANTERN INCLINATION: 0 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. WATTAGE: 21W
3		PROPOSED 'KEEP LEFT' ILLUMINATED SIGN WITH SIMMONSIGNS 'LUA' 6W LED. EXACT SIGN SPECIFICATION TO BE SPECIFIED BY OTHERS
6		PROPOSED GLASDON REBOUND SIGNMASTER WITH BASE, 7W LED LIGHT TRAY. BOLLARD LOCATION DESIGNED BY OTHERS
		EXISTING OPERATIONAL LIGHTING COLUMN TO REMAIN IN SITU.
		EXISTING INDICATIVE COLUMN ID NUMBERS.
		PROPOSED INDICATIVE COLUMN ID NUMBERS
		EXISTING DNO SUPPLY
		NEW DNO SUPPLY
		PRIVATE CABLE NETWORK
6		EARTH ELECTRODE AND INSPECTION CHAMBER
		PROPOSED ROUTE OF TWO 100mm TWIN WALL CABLE DUCT WITH 'STREET LIGHTING EMBOSSED EVERY METRE ON TWO SIDES. MINIMUM 500mm DEPTH OF COVER IN FOOTWAYS AND 750mm IN CARRIAGEWAY. DUCT TO BE OVERLAID WITH YELLOW PVC MARKER TAPE APPROXIMATELY 250mm ABOVE CABLE DUCT.
		PROPOSED ROUTE OF TWO 50mm TWIN WALL CABLE DUCT WITH 'STREET LIGHTING EMBOSSED EVERY METRE ON TWO SIDES. MINIMUM 500mm DEPTH OF COVER IN FOOTWAYS AND 750mm IN CARRIAGEWAY. DUCT TO BE OVERLAID WITH YELLOW PVC MARKER TAPE APPROXIMATELY 250mm ABOVE CABLE DUCT.
5		PROPOSED DRAWPIT 450mm X 450mm WITH A LID IN ACCORDANCE TO BS EN 124 D400.
3		600mm X 600mm MODULAR TWIN WALLED ACCESS CHAMBER FOR 100mm DUCT ACCESS AND WITH REMOVABLE D400 COVER RATED TO BS EN 124:2015.
		EXISTING HIGH PRESSURE UNDERGROUND GAS PIPELINE
		EXISTING INTERMEDIATE PRESSURE UNDERGROUND GAS PIPELINE
		EXISTING MEDIUM PRESSURE UNDERGROUND GAS PIPELINE
		GAS EASEMENT
		UNDERGROUND GAS MAIN IN THE VICINITY.

QTY.	SYMBOL	DESCRIPTION
1		COLUMN REF: PROPOSED 8m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN LANTERN REFERENCE: PHILLIPS LUMA GEN2 BGP702 MICRO LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 6.60 klm LANTERN MOUNTING: 8m POST TOP LANTERN INCLINATION: 0 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. WATTAGE: 40W

- COLUMN NUMBERING SHOWN IS FOR REFERENCE PURPOSES ONLY, FINAL NUMBERING SHOULD BE AGREED WITH WOKINGHAM BOROUGH COUNCIL BEFORE CONSTRUCTION.
- ALL WORKS SHOULD BE CARRIED OUT BY 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.
- COLUMNS SHALL BE INSTALLED WHEREVER PRACTICABLE SO THAT A MAINTENANCE OPERATIVE WORKING ON EQUIPMENT IN THE BASE COMPARTMENT OF THE COLUMN WILL FACE ONCOMING TRAFFIC.
- IF STREET LIGHTING COLUMNS REQUIRE SIGNS TO BE ATTACHED, THIS SHOULD BE CONFIRMED WITH THE MANUFACTURER AT TIME OF ORDER TO ENSURE THAT THE COLUMN CAN TAKE THE ADDITIONAL WEIGHT AND WINDAGE IN ACCORDANCE WITH PD 6547:2004+A1:2009.
- ALL LANTERNS TO BE FACTORY FITTED WITH TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING
- ALL ILLUMINATED SIGNS AND BOLLARD TO BE CONTROLLED USING A TELENESA TELECELL.
- IT IS NOT RECOMMENDED THAT SIGNS BE ATTACHED TO PASSIVE SAFE COLUMNS.
- PLEASE SEE DRAWING 'BASEPLATE 177 DETAIL' FOR ADDITIONAL INFORMATION ON FLANGE PLATED COLUMNS.



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 RESIDUAL RISKS (REFERENCE SHALL ALSO BE MADE TO THE DESIGN RISK ASSESSMENT 3399-DFL-HLG-XX-RA-EO-13001).

CONSTRUCTION:
CONTRACTOR TO BE CAUTIOUS AND AWARE OF UNDERGROUND INTERMEDIATE, HIGH AND MEDIUM PRESSURE GAS MAINS IN THE VICINITY OF THE SCHEME. LC11 IS LOCATED IN VERY CLOSE PROXIMITY TO THE UNDERGROUND INTERMEDIATE GAS MAIN AND SHOULD BE CAREFULLY REVIEWED BY A COMPETENT PERSON PRIOR TO CONSTRUCTION. LOCATION OF B05, B06, B01, S03, B03, B04 AND LC11 ARE WITHIN THE GAS MAIN EASEMENTS. THE UNDERGROUND GAS MAIN OWNER MUST BE CONSULTED PRIOR TO CONSTRUCTION.

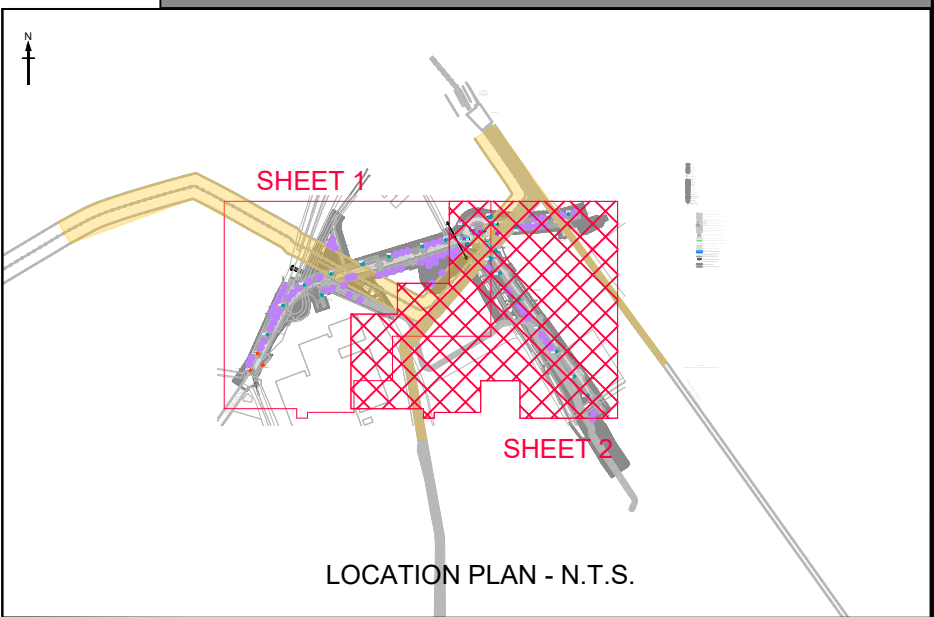
CONTRACTOR TO BE CAUTIOUS AND AWARE OF SLOPED GROUND IN THE VICINITY OF THE SCHEME.

MAINTENANCE/CLEANING:
AS PER CONSTRUCTION

USE:
AS PER CONSTRUCTION

DECOMMISSIONING/DEMOLITION:
AS PER CONSTRUCTION

THE CONTRACTOR IS TO SATISFY HIMSELF OF ALL UNDERGROUND NETWORKS PRIOR TO ANY DIGGING. THE CONTRACTOR IS TO MAINTAIN CABLE NETWORKS OF ALL EQUIPMENT THAT IS NOT PART OF THE WORKS BUT MAY BE FED FROM EQUIPMENT ASSOCIATED WITH THE WORKS.



NOT FOR CONSTRUCTION

PRELIMINARY DESIGN.
LOCATIONS TO BE CHECKED AGAINST STATS PRIOR TO INSTALLATION.

S3	P04	POSITION OF LC11 UPDATED, POSITION HAS BEEN DESIGNED BY OTHERS AND REMAINS CLOSE TO A HIGH PRESSURE GAS MAIN	11.10.24	JP	AE	AL
S3	P03	SPECIFICATION, POSITION QUANTITIES AND NUMBERING OF ALL PROPOSED LIGHTING COLUMNS CHANGED - DUCT ROUTES, ELECTRICAL ELEMENTS AND KEY UPDATED ACCORDINGLY	23.05.2024	SW	AE	AL
S3	P02	BACKGROUND MODELS UPDATED (98048 - Hall Farm - Spine Road, Planting Plan, rev20240416) AND (ALP - NHM Spine Road Design A) - LC05 & LC06 REMOVED - REMAINING COLUMNS NOT RE-NUMBERED - 5 X COLUMNS MOVED - KEY UPDATED ACCORDINGLY	24.04.2024	SW	AE	AL
S3	P01	FIRST ISSUE - FOR COMMENT & REVIEW	17.04.2024	SW	AE	AL
STATUS	REV	AMENDMENT DESCRIPTION	DATE	CAD	CHKD	APPD

KEY PROPOSED

QTY.	SYMBOL	DESCRIPTION
3		COLUMN REF: PROPOSED 8m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN LANTERN REFERENCE: PHILLIPS LUMA GEN2 MICRO BGP702 LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 5.80 klm LANTERN MOUNTING: 8m POST TOP LANTERN INCLINATION: 5 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. DRIVES: WATTAGE: 34W
10		COLUMN REF: PROPOSED 8m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN LANTERN REFERENCE: PHILLIPS LUMA GEN2 MICRO BGP702 LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 5.80 klm LANTERN MOUNTING: 8m POST TOP LANTERN INCLINATION: 0 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. DRIVES: WATTAGE: 34W
3		COLUMN REF: PROPOSED 8m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN [PASSIVE SAFE] PASSIVE SAFE COLUMN CODING: 100 LE C S SE BD 0 LANTERN REFERENCE: PHILLIPS LUMA GEN2 BGP702 MICRO LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 6.60 klm LANTERN MOUNTING: 8m POST TOP LANTERN INCLINATION: 0 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. WATTAGE: 40W
1		COLUMN REF: PROPOSED 8m CONICAL TAPERED ALUMINUM STREET LIGHTING COLUMN WITH FLANGE PLATED BASE [LOCATION DESIGNED BY OTHERS] LANTERN REFERENCE: PHILLIPS LUMA GEN2 BGP702 MICRO LIGHT SOURCE REF: 20 LED NEUTRAL WHITE [4000K] FLUX: 6.60 klm LANTERN MOUNTING: 8m POST TOP LANTERN INCLINATION: 0 LANTERN OPTIC REF: DW50 DRIVER: PHILLIPS XITANIUM LED DRIVER (DALI STANDARD) CONTROL: TELENESA 5-PIN NEMA TELECELL WITH INTEGRAL DIMMING MODULE & GPS POSITIONING. WATTAGE: 40W

DESIGNERS

DFL
LIGHTING DESIGN. ELECTRICAL. SMART CITIES. ENERGY REDUCTION. LIGHTING IMPACT.

DFL-UK (Designs for Lighting Ltd)
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Winchester, Hampshire, SO23 7TA
Tel: 01962 855080
Email: info@df-uk.com

CLIENT

ABLEY LETCHFORD PARTNERSHIP
Consulting Engineers

PROJECT

NATIONAL HISTORY ACCESS ROAD

DRAWING TITLE

LIGHTING LAYOUT

DESIGNED	CAD	CHECKED	APPROVED
CM	SW	AE	AL

FIRST CREATED	SHEET	SCALE	SHEET SIZE
APR 2024	2 of 2	1:500	A1

DRAWING NUMBER	PROJECT	CORROSION	VOLUME	LOCATION	TYPE	SCALE	NUMBER
3399-DFL-HLG-XX-DR-EO-13002							

JOB NUMBER	STATUS	REVISION
3399	S3	P04

D:\CAD FILES - C:\Users\ComMacDonald\Designs for Lighting Ltd\DFL - Documents\Design Projects\3399 DFL-HLG-XX-DR-EO-13001 to 13002.dwg