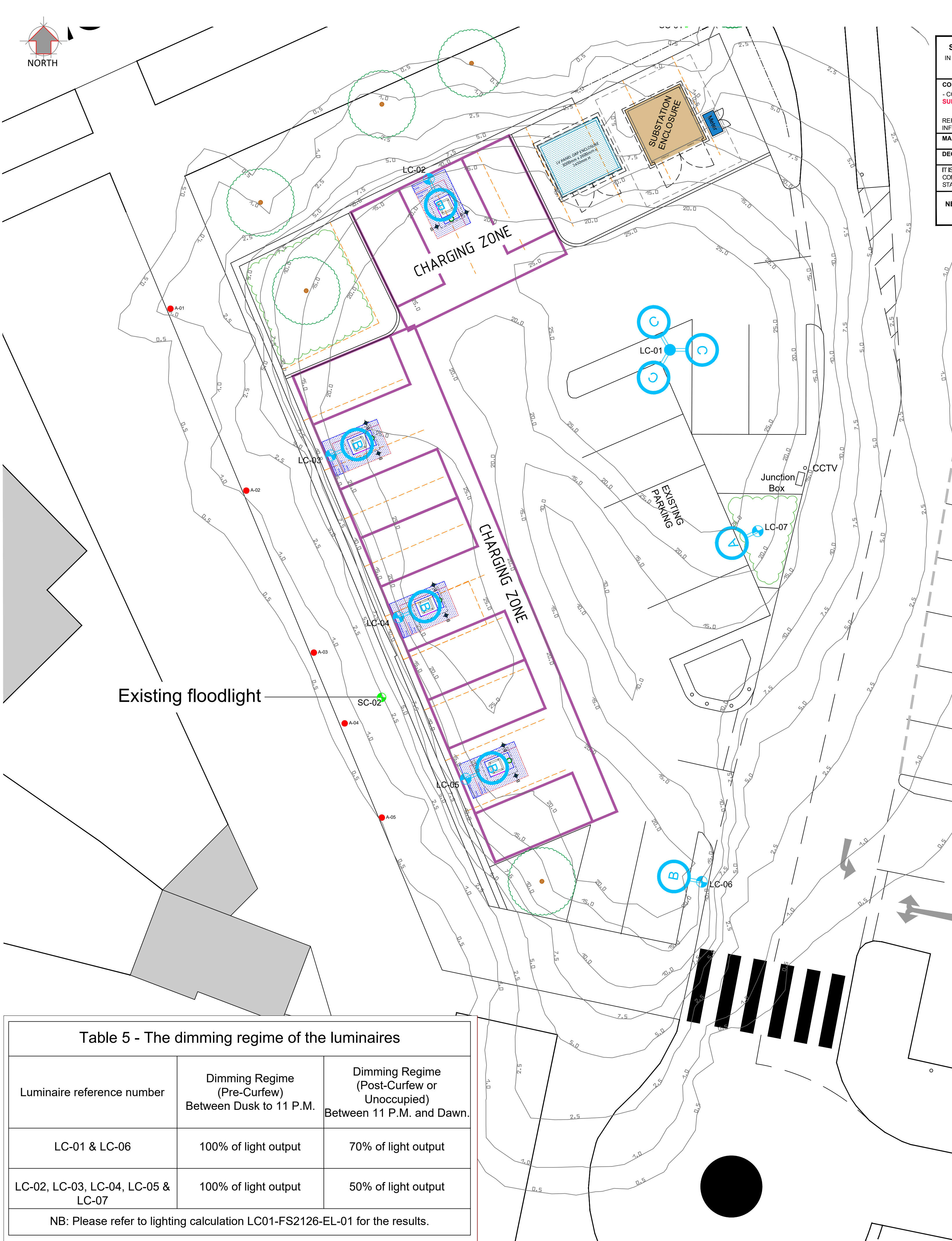




SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION:
- CONTRACTOR TO BE AWARE AND CAUTIOUS OF **HAZARDOUS SUBSTANCES IN THIS AREA**

REFER TO UTILITIES OWNERS SERVICE DRAWINGS FOR FURTHER INFORMATION.

MAINTENANCE / CLEANING: AS ABOVE

DECOMMISSIONING / DEMOLITION: AS ABOVE

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

NB. UTILITIES ARE NOT SHOWN ON THIS DRAWING. REFER TO VUT VOLUME DRAWINGS FOR FULL LAYOUT

- NOTES**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL NOTE FS 2126-EL-01.
 - THIS IS AN AUTOCAD DRAWING AND SHOULD NOT BE AMENDED BY HAND.
 - DRAWINGS ARE TO BE PRINTED IN COLOUR.
 - THE EXISTING LOCATIONS ARE APPROXIMATE AND THEIR ACCURACY CANNOT BE GUARANTEED.
 - ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
 - THIS DRAWING MUST NOT BE SCALED.
 - THIS DRAWING IS NOT FOR CONSTRUCTION PHASE. NO WORKS OR INSTALLATION SHOWN ON THIS DRAWING SHALL BE UNDERTAKEN UNTIL APPROVAL IN WRITING HAS BEEN PROVIDED BY THE LOCAL AUTHORITY. ARCH'ENG L DESIGN DOES NOT ACCEPT ANY LIABILITY FOR EQUIPMENT ORDERED OR DESIGNS INSTALLED PRIOR TO CONSENT FROM LOCAL AUTHORITY.
 - HEALTH AND SAFETY – CONSTRUCTION – SERVICES UNDERGROUND ARE NOT AVAILABLE. CONTRACTORS AND OPERATIVES ARE TO ACCESS RISKS AND TAKE ALL PRACTICAL MEASURES TO LOCATE AND DETERMINE SERVICES PRIOR TO COMMENCEMENT OF WORKS.
 - WORKS WILL BE IN PROXIMITY TO LIVE TRAFFIC AND POTENTIAL DANGER TO LIFE. ACCESS ROAD SHOULD BE SUITABLY CLOSED OFF OR HAVE LANE RESTRICTIONS TO MINIMISE POTENTIAL FOR COLLISION. ALL RELEVANT HEALTH AND SAFETY PROCEDURES FOR WORKING WITH LIVE TRAFFIC ON ROAD NETWORK AND PRIVATE LAND OPEN TO PUBLIC ARE TO BE ADHERED TO.
 - THE CONTRACTOR SHALL COMPLY WITH CDM REGULATIONS.
 - WORKS IN THE PROXIMITY OF UNDERGROUND UTILITIES MUST BE IN ACCORDANCE WITH HSE GUIDANCE NOTES HSG47, HSG 65 AND NJUG GUIDELINES.
 - ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH IEE WIRING REGULATIONS BS7671 AND G39.
 - THE CONTRACTOR SHALL ACQUIRE ALL STATUTORY UNDERTAKERS PLANS AND MFG OWNERS SERVICE PLANS BEFORE COMMENCEMENT OF ANY WORKS ON SITE; WHERE THERE ARE SERVICES IN THE AREA OF WORKS THE CONTRACTOR SHALL COMPLY WITH THE STATUTORY UNDERTAKERS REQUIREMENTS.
 - AREA HAS BEEN CLASSED AS ILP GN01/20 ENVIRONMENTAL ZONE E3. ACCORDING TO TABLE 3 OF CIE 150, MAXIMUM VALUES OF VERTICAL ILLUMINANCE ON PREMISES ARE RESPECTIVELY 10 lx AND 2 lx PRE-CURFEW AND POST- CURFEW. ACCORDING TO TABLE 5 OF CIE 150, UPWARD LIGHT RATIO SHALL BE LIMITED TO 5% FOR E3 ZONE. SCHREDER REAR SHIELD (CODE: 02-27-834) WILL BE MOUNTED ON LUMINAIRES LC02, LC03, LC04, LC05 & LC06 TO CUT SPILLS OF LIGHT. NOTE ALL LUMINAIRES ARE TILTED RO ZERO DEGREE TO CONTROL LIGHT POLLUTION.
 - LIGHTING HAS BEEN DESIGNED TO COMPLY WITH TABLES 8.3 & 8.5 OF BS EN 12464-2:2024 RESPECTIVELY FOR EV CHARGING BAY ANDND CAR PARKING AND ILP GN01/21 FOR INTRUSIVE LIGHT AND LIGHT POLLUTION. FOR LIGHTING DESIGN VALUES REFER TO LIGHTING CALCULATIONS REPORT LC01-FS2126-EL-01. NOTE LIGHTING CALCULATION EXCLUDES THE CONTRIBUTION OF THE EXISTING LIGHTING INSTALLATION ADJACENT TO THE NEW DEVELOPMENT DUE TO LACK OF LIGHTING AS-BUILT DRAWING.
 - ADAPTATIVE LIGHTING IS PROPOSED TO MINIMISE LIGHTING IMPACT IN THE AREA. REFER TO TABLE 5 FOR DIMMING REGIME.
 - ALL LUMINAIRES ARE TO BE SUPPLIED CONSTANT LIGHT OUTPUT (CLO) ENABLED.
 - PROTECTIVE BOLLARDS ARE REQUIRED FOR LIGHTING COLUMN LC-06. MAINTAIN A MINIMUM 0.5M CLEARANCE TO PREVENT VEHICLE STRIKES.
 - SETTING OUT TABLE WILL PROVIDED AT THE DETAILED DESIGN STAGE.

Table 2 - LIGHTING MEASUREMENTS		
POINTS	HORIZONTAL (LX) BASELINE (FROM GROUND LEVEL)	VERTICAL @ 1.5 M (LX) BASELINE (FACING PROPOSED EV CAR PARKING)
A-01	0.5	1.1
A-02	0.2	0.7
A-03	0.2	0.7
A-04	0.2	0.8
A-05	0.2	2.5

NB: Baseline illuminance measurements were taken using an In.Licht Ultra light meter. Lighting provision from existing lighting columns SC01 and SC02 is excluded, as the floodlights were removed prior to the lighting impact assessment. The Lighting Impact Assessment Survey was carried out under clear sky conditions with no moon. The site survey was undertaken between 6:00 pm and 9:00 pm

KEY

QTY: 1
LC - xx

TYPE A – PROPOSED 5m TUBULAR STEEL LIGHTING COLUMN WITH PLANTED ROOT AND POST-TOP MOUNTED BRACKET, FITTED WITH AXIA 3.1 5295 8 OSLO SQUARE GIANT LED@600mA Driver@600mA WW 730 230V. LUMINAIRE TO HAVE ZERO-DEGREE INCLINATION.

QTY: 5
LC - xx

TYPE B – PROPOSED 5m TUBULAR STEEL LIGHTING COLUMN WITH PLANTED ROOT AND POST-TOP MOUNTED BRACKET, FITTED WITH AXIA 3.1 5295 INTEGRATED LENSES REAR LOUVERS 8 OSLO SQUARE GIANT LED@800mA Driver@800mA WW 730 230V OPTIC 457592. LUMINAIRE TO HAVE ZERO-DEGREE INCLINATION.

QTY: 1
LC - xx

TYPE C1 – PROPOSED 5m TUBULAR STEEL LIGHTING COLUMN WITH PLANTED ROOT AND THREE-ARM BRACKET WITH 0.3M OUTREACH, FITTED WITH TRILUX LnPlus 40-AB7L-LR/3200-730 4G1 ET (CLO initial value) FLOODLIGHTS. FLOODLIGHTS TO HAVE ZERO-DEGREE INCLINATION.

QTY: 2
SC - xx

SITE CLEARANCE
REMOVAL OF EXISTING 8M COLUMN

ISOLUX CONTOURS (LUX LEVELS)

A-xx

ILLUMINANCE MEASUREMENT POINT

NOT FOR CONSTRUCTION

-	16/04/26	ORIGINAL ISSUE	BA	BA	BA
Rev	Date	Description	Drn	Chk	App

This drawing has been specifically prepared to meet the requirements of the named client and may contain design and innovative features which differ from conventional design standards.



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Client

Project

FS2126 LETCHWORTH MORRISONS BROADWAY, LETCHWORTH GARDEN CITY, SG6 3TS

Drawing Title

PROPOSED LIGHTING DESIGN

Drawing Status

FOR PLANNING

Drawn	Designed	Date	Scale	Size
BA	BA	16/04/2026	1:200	A1
Drawing No.	FS2126 - LD - 1300 -LIGHTING			Rev
				-