



Details of existing Statutory Undertakers plant are to be obtained by the Client and the Contractor may examine these details and make any necessary arrangements to ensure that all overhead cables shall conform to the requirements of HSE any 'Guidance Note GS6' 'Avoidance of Danger from Overhead Lines' and all works in the vicinity of underground mains or any additional requirements specified by the relevant Statutory Undertakers. The Contractor will be responsible for liaison with the Statutory Undertakers and for programming the speed protection apparatus into the overall Works programme (This is to include adjustment of status covers). Any damage to plant or apparatus shall be repaired at the Contractor's expense.

Street Lighting Specification:

1. Erection positions are to be agreed on site by the engineer before erection works commences. Columns and equipment are only to be installed on land adopted or to be adopted by the local authority.
2. After erection columns shall be numbered clearly in accordance with Leicestershire County Council requirements.
3. Supplies to new lighting columns shall be taken directly from the District Network Operator supplies (DNO) for the new development. An application for supply form must be completed and issued to ensure a supply is made to each column.
4. Only recognised lighting contractors shall be used for street lighting and illuminated signs and ballast installation works, they shall be approved by the Leicestershire County Council. Current membership numbers for these bodies must be provided to the supervising authority prior to approval of the proposed lighting contractor.
5. All materials shall be to the relevant British Standard. Site works shall comply in general with department of transport specification for highway works, and shall also conform to:-
 - The Construction (Design Management) (CDM) Regulations 2015
 - The Health and Safety at Work Act
 - Chapter 8 of the Traffic Signs Manual
 - The Construction (Design Management) (CDM) Regulations 2015
6. Erection and installation works shall comply with the current issue and Amendments of BS7971: 18th Edition IET Wiring Regulations 2018 requirements for electrical installations.
7. All materials and equipment shall comply with Leicestershire County Council (LCC) specification. Any materials or equipment proposed by the contractor shall be submitted to LCC for approval before any purchase agreement.
8. Columns shall be installed at the rear of the footway.
9. No trees or shrubs shall be planted in a position which will adversely affect either the operational capability or maintenance access to any street light throughout the lifetime of the installation.

Street Lighting Key

- PROPOSED LIGHTING COLUMN:**
Quantity 8
Proposed galvanized steel lighting column with post top mounted luminaire and 0 degree tilt.
LANTERN MANUFACTURER: ASD Lighting
LANTERN: Highway Diamond HWD2
PROJECTION: 0.4m
TILT: 0°
LUMINOUS INTENSITY RATING: G2
OPTIC: M
LAMP TYPE: LED 3000K Warm White
LUMEN OUTPUT: 3.62km
FILENAME: HWD2-43K16 700-4M1 (34W)
PHOTOCELL: 7 pin NEMA socket and 5 pin
BALLAST: DelI dimmable electronic ballast
ISOLATOR: Charles Endirect Double Pole Isolator
SUPPLY TYPE: New DNO Supply

- PROPOSED LIGHTING COLUMN:**
Quantity 1
Proposed galvanized steel lighting column as per LCC lighting column spec with post top mounted luminaire and 0 degree tilt.
LANTERN MANUFACTURER: ASD Lighting
LANTERN: Highway Diamond HWD2
PROJECTION: 0.4m
TILT: 0°
LUMINOUS INTENSITY RATING: G3
OPTIC: F0
LAMP TYPE: LED 3000K Warm White
LUMEN OUTPUT: 3.56km
FILENAME: HWD2-43K16 700-F0 (34W)
PHOTOCELL: 7 pin NEMA socket and 5 pin
BALLAST: DelI dimmable electronic ballast
ISOLATOR: Charles Endirect Double Pole Isolator
SUPPLY TYPE: New DNO Supply

- PROPOSED LIGHTING COLUMN:**
Quantity 6
Proposed galvanized steel lighting column with post top mounted luminaire and 0 degree tilt.
LANTERN MANUFACTURER: ASD Lighting
LANTERN: Highway Diamond HWD2
PROJECTION: 0.4m
TILT: 0°
LUMINOUS INTENSITY RATING: G2
OPTIC: M
LAMP TYPE: LED 3000K Warm White
LUMEN OUTPUT: 3.62km
FILENAME: HWD2-43K16 700-4M1 (34W)
PHOTOCELL: 7 pin NEMA socket and 5 pin
BALLAST: DelI dimmable electronic ballast
ISOLATOR: Charles Endirect Double Pole Isolator
SUPPLY TYPE: New DNO Supply

NOTES:

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
3. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE APPARATUS IN THE VICINITY OF THE WORKS. THE CLIENT WILL ACCEPT NO CLAIMS FOR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXECUTE THE WORKS AT ALL TIMES IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE HEALTH AND SAFETY AT WORK ACT 1974, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE BEING DEEMED TO HAVE ALLOWED FOR FULL COMPLIANCE WITHIN THEIR RATES.
6. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORKS ARE TO THE SATISFACTION OF THE ENGINEER, AND SHALL BE DEEMED TO HAVE INCLUDED WITHIN THEIR RATES FOR ANY NECESSARY TESTING.

Lighting Chassis:

Roadway designed in accordance with BS 5489-1:2020, BS EN 13201-2:2015

Lighting Class to Road 1: P4

Eav: 5.00 - 7.50 Lux

Emit: 1.00 Lux

Lighting Class to Road 2 & 3: P5

Eav: 3.00 - 4.50 Lux

Emit: 0.60 Lux

MF = 0.84

LAMP COLUMNS ARE ONLY TO BE ERECTED OR LOCATED IN LAND TO BE ADOPTED.

ALL LUMINAIRES TO HAVE REAR SHIELDS. IT IS THE RESPONSIBILITY OF AVANT HOMES TO PROVIDE THE SHIELDS.

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE LOCAL AUTHORITY. B CONTRACTORS SHOULD NOT BE CONSTRUCTED WITHOUT APPROVAL. THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK.

REV	AMENDMENTS	DATE	DEN

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PROJECT TITLE
LYCHGATE LANE,
BURBAGE

CLIENT
AVANT HOMES

DRAWING TITLE
STREET LIGHTING LAYOUT - S38

REVISION	SHEET SIZE	SCALE
-	A1	1:500
DRAWN BY	AL	DATE
LL1812-001	03.10.2024	

STATUS
INFORMATION / APPROVAL

