PRIVATE CABLE NETWORK TO BE MAINTAINED THAT FEEDS EXISTING LIGHTING COLUMNS EX06, EX05 ETC

RIVERPARK ROAD

RIVERPARK ROAD

Road 5

Road 7

Road 2

Road 4

CUTLINE - A

CUTLINE - B

CUTLINE - C

CUTLINE - D

EX01 EX02 EX03 EX04 EX05 EX06 EX07 EX08 EX09 EX10 EX11 EX12 EX13 EX14 EX15 EX16 EX17 EX18 EX19 EX20

LC08 T2 LC09 T2 LC15 T2 LC14 T2 LC13 T2 LC12 T2 LC11 T1 LC10 T2

FP02 IDNO T3 FP01 IDNO T2

0 1:500 25 metres

0 1:500 25 metres

25 metres

N

GENERAL NOTES

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2. In the event of apparent ambiguity or contradiction, SHD Lighting Consultancy Ltd and the overseeing organisation shall be notified immediately.
3. SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
4. This lighting design has been prepared in accordance with the HEMSA/HEA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 and The Construction (Design and Management) Regulations 2015 - PART 3 Health and safety duties and roles - 9. Duties of designers.

NOTES

1. All works are to be carried out in accordance with the latest Manchester City Council street lighting specification.
2. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
3. The information on this drawing does not account for installation considerations, site conditions or provide any risk assessment.
4. No account is taken for the blocking effect caused by buildings,etc.
5. The planting of trees near to lighting columns is to be avoided as future growth may inhibit lighting levels. Due to the layout of the plots and associated driveways it is inevitable that there will be conflict with proposed landscaping features. Where such instances occur the lighting will take precedence in order to satisfy the requirements of the British standard.
6. The calculation shown by this drawing assumes that the whole area being considered is in the same plane.
7. 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.
8. Final lighting column positions shall be agreed onsite with Manchester City Council street lighting engineer.
9. Final lighting column identification numbers shall be agreed with Manchester City Council street lighting engineer.
10. Any existing or proposed trees are to be cutback, removed or relocated elsewhere to avoid interference with the street lighting luminaire or prevent any future access or maintenance.
11. The contractor shall provide Manchester City Council with as-built drawings, test certificates and column and lantern data sheets in accordance with the Manchester City Council lighting specification.
12. Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present (refer to Manchester City Council specification).
13. Lighting columns shall be located to the rear of the footpath or verge, If not possible, the minimum distance for any lighting column to be erected from the kerb face shall be 450mm as per Manchester City Council Standard Detail SL8.
14. Any chosen IDNO shall have a service level agreement in place with Manchester City Council prior to adoption of the installation.
15. IDNO contact details shall also be stored inside the base of each lighting column via means of an identification label.
16. The developer will be responsible, unconditionally, for the condition,operation and any risk or liability of all the highways electrical equipment on all approved works until the date of formal adoption of the street lighting assets.
17. The developer must pay any energy liability charges with their electricity supplier until the adoption of the street lighting assets.

STATUTORY SERVICE NOTES

1. The contractor/overseeing organisation must obtain up-to-date statutory service record plans prior to the commencement of any street lighting installation or removal works.
2. The contractor should assume that not all services were identified during the design phase. It is the contractor's responsibility to carefully locate and report any unidentified services encountered during construction.
3. Prior to performing any onsite works, the contractor shall identify the location of any overhead electrical or communication equipment. If such equipment is identified, the contractor must consult the relevant statutory undertaker for further guidance.
4. All works in the vicinity of overhead power lines must comply with the Health and Safety Executive (HSE) Guidance Note GS6, "Avoidance of Danger from Overhead Power Lines."
5. Installation and removal works must be conducted in accordance with Energy Networks Association Technical Specification 43-8, the Electricity at Work Regulations 1989, the Construction (Design and Management) Regulations 2015 (CDM 2015), G39/1, and all other applicable Health and Safety Executive regulations.
6. All works near underground mains or cables must comply with HSE Health and Safety Guidance HSG47, "Avoiding Danger from Underground Services," as well as any additional requirements set by the relevant statutory undertaker.
7. The contractor is responsible for liaising with the relevant statutory undertakers and for scheduling any agreed-upon protection and/or diversion works into the overall project programme.

LIGHTING CLASSIFICATION

This lighting design has been produced in accordance with: BS 5489-1:2020, CEN/TR 13201-1:2014 & BS EN 13201-2:2015 outdoor lighting documents and guidelines.

Lighting classification: P3 (BS 5489-1:2020,Table A.5)

Minimum average illuminance (Eav): >7.50 lux <11.25 lux
Minimum illuminance (Emin): >1.50 lux
Lighting Uniformity (Emin/Eav): >0.20 (>20%)

The details provided on this drawing are subject to comments by all relevant approving authorities and/or any overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority and/or any overseeing organisation.
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Qty 10 — Proposed galvanised tubular steel lighting column of 10.0 metre nominal height with a planted base as supplied by Mallatite to Manchester City Council street lighting specification.

Column Reference:	
Luminaire:	Philips Luma Gen2 Medium
Mounting Type:	Post top mounted at 0° tilt
Manufacturer Reference:	BGP704 DW50 13000 80LED 5.2S CLO L90 740
Lumen Output:	13.00klm
Charge Code:	42 0071 0000 100
Luminaire Wattage:	71w
Colour Temperature:	Neutral White (4000k)
Luminous Intensity:	G3
Control Gear:	DALI enabled dimmable driver
Control Type:	Philips Citytouch Central Management System (CMS) Node (35/18 lux)
Supply:	Private cable network
Primary Isolator:	Lucy Zodion double pole Isolator with 32A double pole switch with BS88-2 6A HRC fuse to luminaire
Internal Wiring:	Internal wiring to luminaire shall be 1.5mm² 3 core PVC insulated flexible cable
Door Orientation:	Perpendicular to kerb

Qty 2 — Remove existing luminaire and hand back to Manchester City Council for reuse or recycling and replace with side entry on existing bracket arm, Philips Luma Gen2 Medium LED luminaire

Luminaire:	Philips Luma Gen2 Medium
Mounting Type:	Side entry on existing bracket arm
Manufacturer Reference:	BGP704 DW50 13000 80LED 5.2S CLO L90 740
Lumen Output:	13.00klm
Charge Code:	42 0071 0000 100
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Internal Wiring:	Internal wiring to luminaire shall be 1.5mm² 3 core PVC insulated flexible cable

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number
EX** Existing lighting column identification number
FP** Proposed feeder pillar identification number
EXFP** Existing feeder pillar identification number

ELECTRICAL CONNECTION TYPE:

DNO Distribution network operator connection
T** Private cable termination type:
Refer to SHD2170-SHD-HEL-RIVE-DR-EO-Electrical-R0

Existing lighting column and luminaire to remain.
Shown for contributory lighting 'tie in' purposes only.

Proposed S38 street lighting column. Refer to:
'SHD2169-SHD-HLG-RIVE-DRO-EO-Lighting Layout-R0'

Existing lighting column to be uprooted and removed Luminaire to be removed and handed back to the Local Authority for reuse or recycling.

Proposed 450mm x 450mm composite modular chamber to provide duct access complete with lockable heavy duty cover and frame denoted 'STREET LIGHTING' on cover.

Proposed galvanised steel feeder pillar
(Model: TOFCO Ltd: FP140 or equivalent)

Proposed 10mm² XLPE/SWA/PVC 3 core cable with copper conductors, laid in 100mm orange UPVC ducting denoted with 'STREET LIGHTING' at 1000mm intervals diametrically opposed, laid in trench, depth to invert to be minimum 450mm in footway and minimum 750mm in carriageway

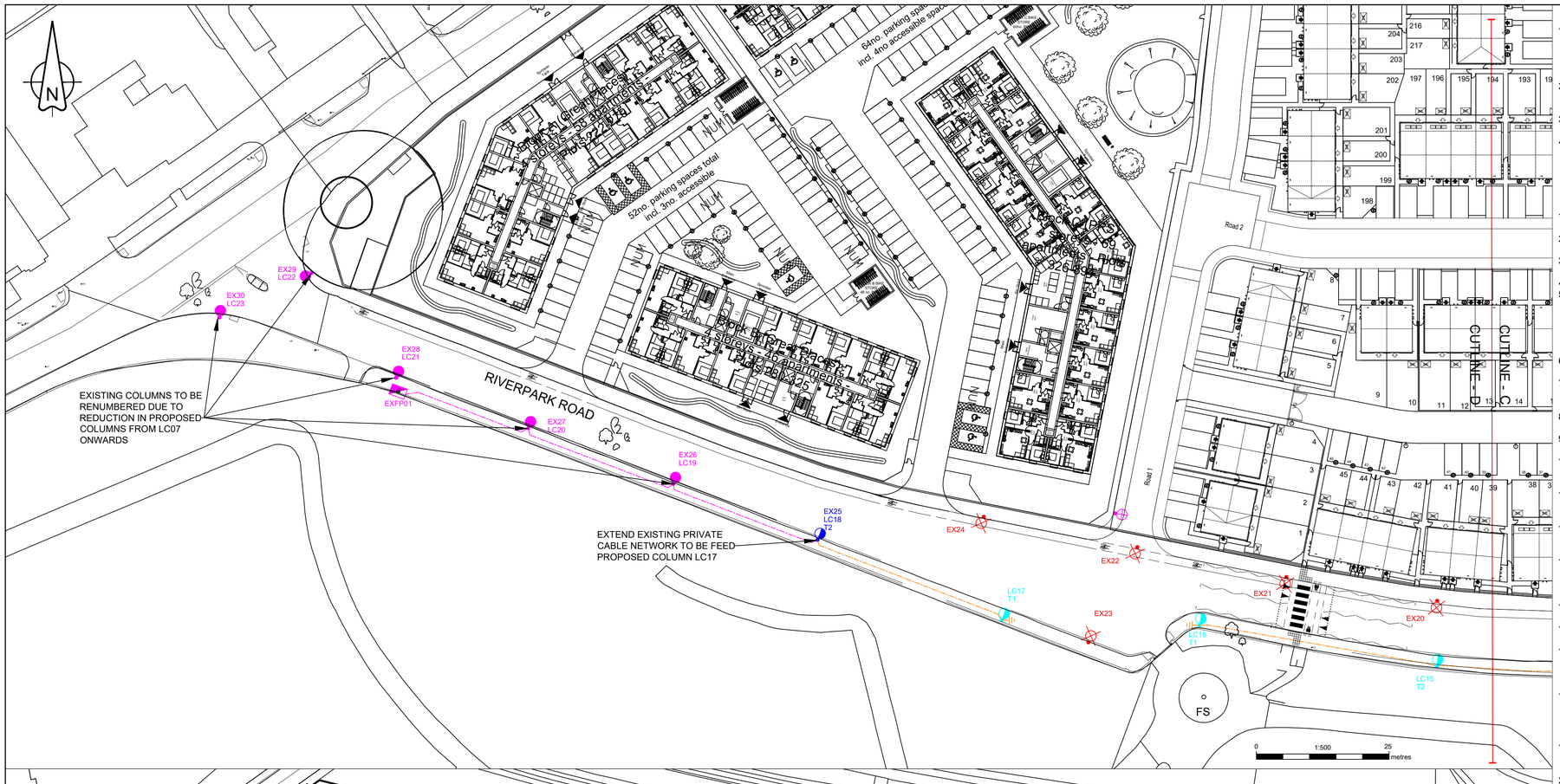
Earth electrode in inspection chamber. To be installed in accordance with current BS7671, BS7430 and IET GN08

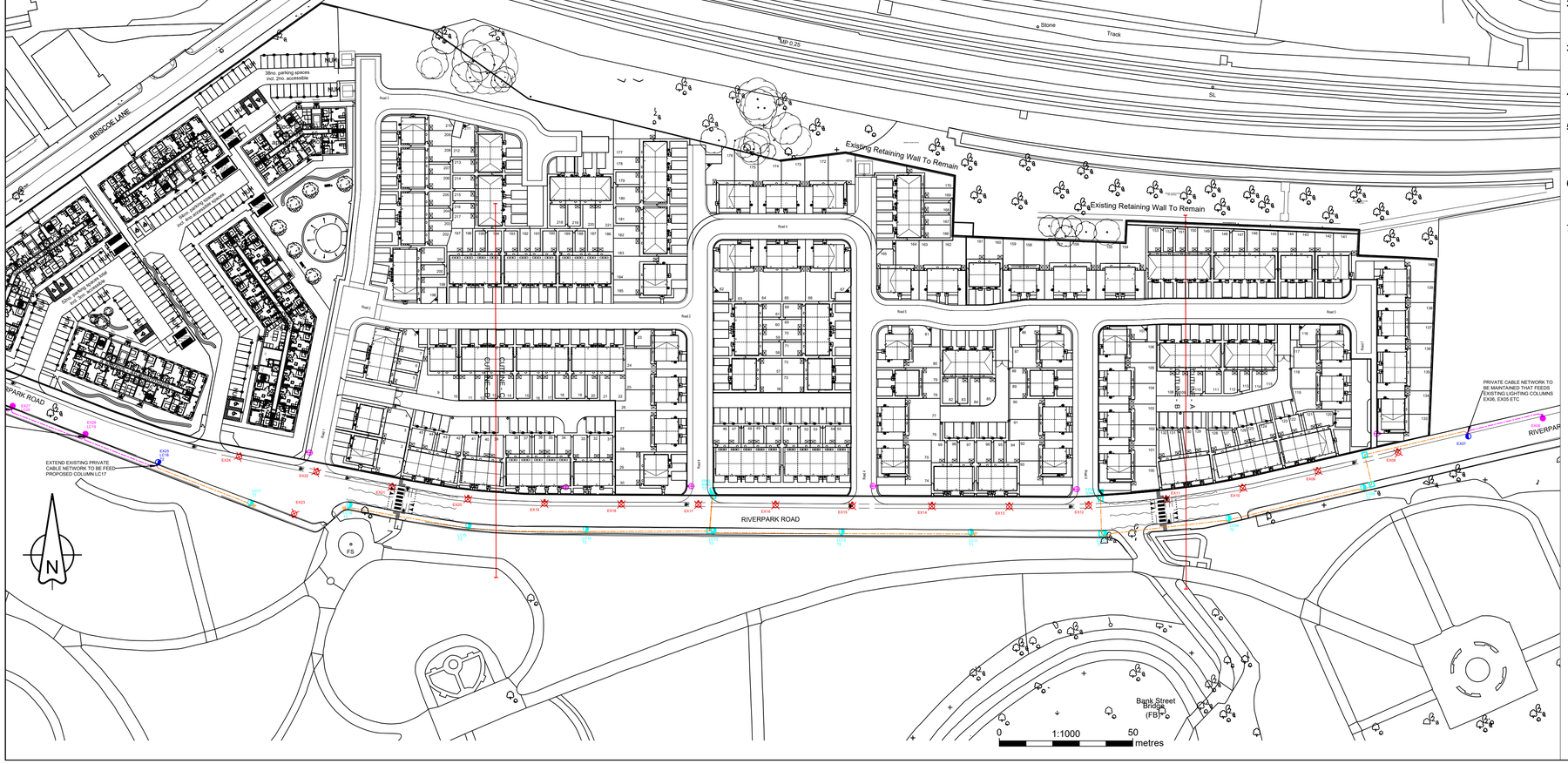
REV	DESCRIPTION	DATE	BY
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	21/07/2025	SRH

info@shdlighting.co.uk ☎ 07834 490 192 www.shdlighting.co.uk

SCHEME:	RIVERPARK ROAD, MANCHESTER
DRAWING:	S278 STREET LIGHTING DESIGN
CLIENT:	KELLEN HOMES
DRAWING NUMBER:	SHD2170-SHD-HLG-RIVE-DR-EO-Lighting Layout-R0 — SHEET 1 OF 2
DRAWN:	SRH
CHECKED:	SRH
APPROVED:	
CONTRACT NUMBER:	SHD2170
DATE:	21/07/2025
SCALE @ A1	1:500
REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION





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info@shdlighting.co.uk ☎ 07834 490 192 www.shdlighting.co.uk

SCHEME:	RIVERPARK ROAD, MANCHESTER
DRAWING:	S278 STREET LIGHTING DESIGN
CLIENT:	KELLEN HOMES
DRAWING NUMBER:	SHD2170-SHD-HLG-RIVE-DR-EO-Lighting Layout-R0 / SHEET 2 OF 2
DRAWN:	SRH
CHECKED:	SRH
APPROVED:	
CONTRACT NUMBER:	SHD2170
DATE:	21/07/2025
SCALE @ A1	AS SHOWN
REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION