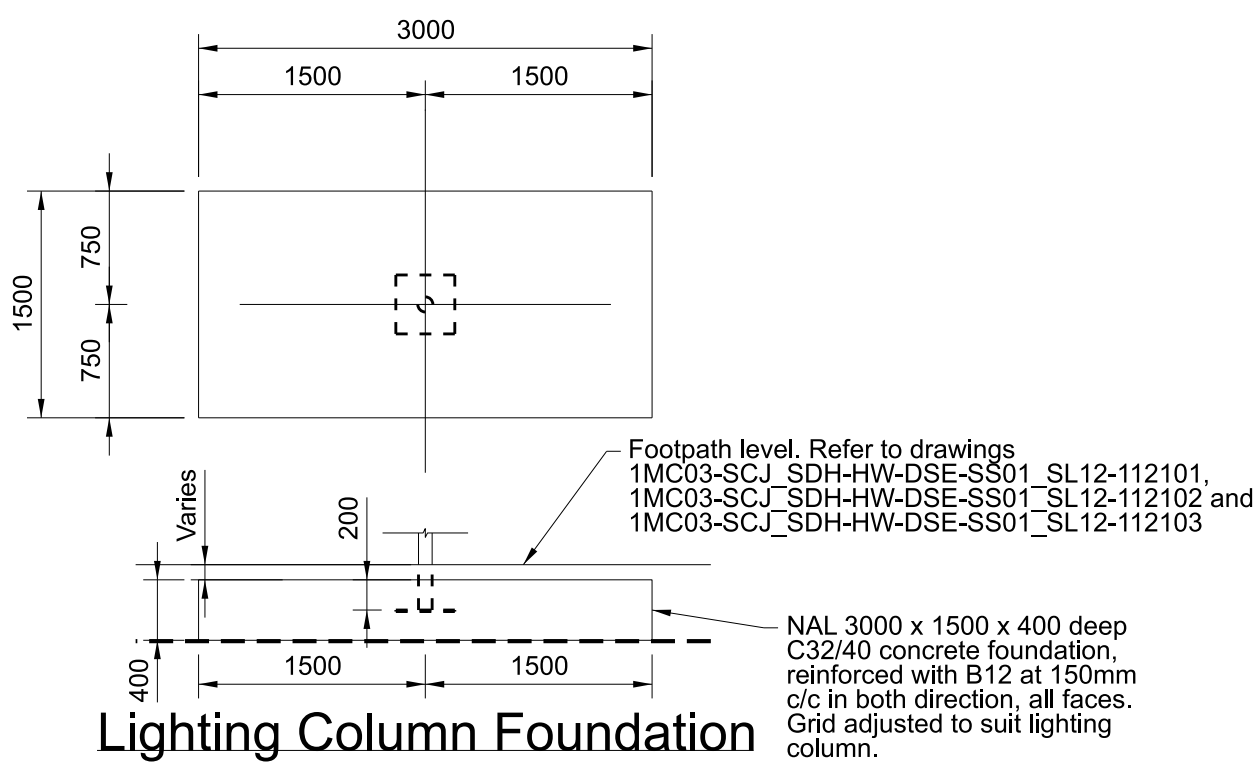
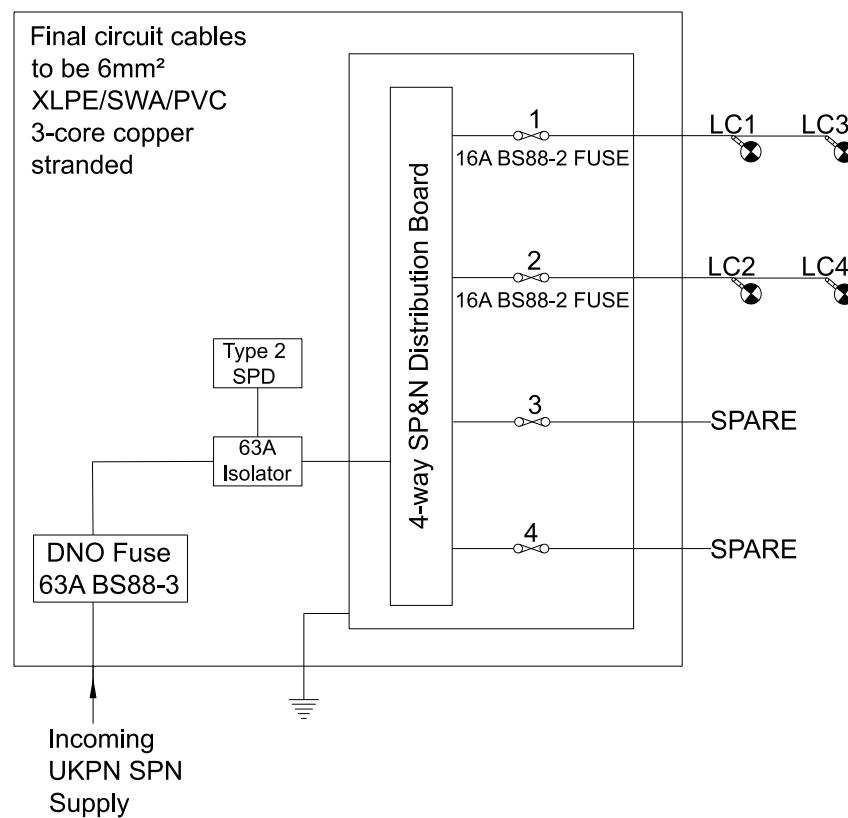


Typical Section Through Proposed GTB
Applies to LC1 and LC2
N.T.S.



Lighting Column Foundation
Plan and Section
Applies to LC3 and LC4 on Existing GTB
1:50



INSET A: Proposed Feeder Pillar (FP1)
General Arrangement

- Notes:
- Do not scale off drawing.
 - To be read in conjunction with other scheme drawings and the lighting specification appendices 13 and 14.
 - Drawing to be printed in colour to enable easier viewing of symbols.
 - Lighting columns are specified to meet certain requirements on the bridge in terms of foundation and any changes in specification should be reported to the structural engineer and LBC for checking and approval.
 - For column selection, this drawing should be read in conjunction with the 1300 specification appendices.
 - Lighting columns shall be provided suitable for the NAL sockets proposed for the bridge.
 - Lighting column numbers shown on the drawing are temporary and to aid construction, the contractor shall, prior to commissioning, contact LBC to confirm and apply appropriate column numbering.
 - The contractor shall undertake the works in accordance with HSE Guidance Note HSG47: Avoiding danger from underground service. Hand excavated inspection pits shall be carried out using insulated hand tools where underground services may be affected by the works.
 - Prior to undertaking any works reference shall be made to the New Roads and Street Works Act (NRSWA), HSE Guidance Note 47: Avoiding danger from underground services and the relevant statutory undertakes' specification for safe working in the vicinity of underground and overhead services.
 - The contractor shall, prior to commencing any section of the works, locate all buried and overhead services.
 - Any illuminated apparatus that is to remain as part of the works which is de-energised due to the removal of existing lighting columns must be reported to the engineer prior to ground reinstatement. It will be the contractors responsibility to ensure that no existing equipment to remain is left 'off supply' upon works completion.

HS2 Asset ID	HS2-000001271	Suitability	S3
<p>D1. This design is based on assumptions which are dependent on the results of site information and surveys requested in the Design Survey Request Register - S1 and S2 - 1MC03-SCJ_SDH-DS-REG-S000-000001.</p> <p>D2. Any open assumptions must be accepted by the Contractor prior to proceeding to Construction on the basis of this design.</p> <p>D3. Any obligation for verification and validation of the survey findings, and any amendments to the design arising from such surveys to ensure the design is fit for Construction, will remain with the Contractor.</p>			
Safety Health and Environmental Information			
<p>In addition to the hazards and risks normally associated with the types of work detailed in this drawing. Please note the following risks and information</p> <p>Notes below are the key potential Health and Safety and Environmental risks associated with the works.</p> <p>Construction</p> <ol style="list-style-type: none">No relevant significant or unusual residual hazards that may not be identified by a competent Contractor <p>Maintenance</p> <ol style="list-style-type: none">No relevant significant or unusual residual hazards that may not be identified by a competent Contractor <p>Operation</p> <ol style="list-style-type: none">No relevant significant or unusual residual hazards that may not be identified by a competent Contractor <p>Perforation</p> <ol style="list-style-type: none">No relevant significant or unusual residual hazards that may not be identified by a competent Contractor <p>Environmental</p> <ol style="list-style-type: none">No relevant significant or unusual residual hazards that may not be identified by a competent Contractor			
<p>Risks here are not exhaustive. Refer to CDM Risk Register Ref: 1MC03-SCJ_SDH-HS-REG-SS01_SL12-000002</p>			
<p>These notes assume the use of experienced and competent contractors to carry out the work using an approved safe method of working</p>			

Legend:

- LCxx: Proposed 8m mounting height single extrusion galvanised tapered steel road lighting column with planted root in NAL shallow retention socket complete with single zero degree post-mounted Philips (Signify) Luma Mini Gen2 ref: [BGP703-DM50-40LED-CLO-730] 12.0klm and Photoelectric control mounted on a 7-pin NEMA socket set to switch on at 35lux and off at 18lux.
- Existing TFL lighting unit to remain unaffected.
- Existing LBC lighting unit to remain unaffected.
- Proposed Stakkabox modular 600x600mm cross carriageway access chamber. Chamber covers and frames shall be manufactured from ductile iron to BS EN 124 and be of at least class D400.
- Proposed Distribution Network Operator (UKPN) low voltage underground single-phase SPN PME unmetered supply connection to feeder pillar.
- Containment route for electrical supply cables installed within 100mm internal diameter smooth bore polyethylene orange coloured street lighting duct complete with marker tape installed in accordance with LBC specification - for circuit configuration details see inset A.
- Electrical Supply Feeder Pillar in accordance with LBC specification and sized to accommodate DNO supply and circuit protection set out in inset A.
- HS2 Track Centrelines

NOT FOR CONSTRUCTION

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P01	GTB-MW_IDR Submission	GW	JB	24/08/21	This material was last updated on 2018 and may not be copied, distributed, sold or published without the formal permission of Land Registry. Only an official copy of a title plan or register obtained from the Land Registry may be used for legal or other official purposes.
P02	GTB-MW_Final Submission	GT	JB	08/04/22	
Rev	Description	Drawn	Checked	Con App	HS2 App

- Legends/Notes:
- G1. All dimensions are in millimetres unless noted otherwise.
 - G2. All levels are in metres relative to OD (Ordnance Datum, Newlyn) unless noted otherwise.
 - G3. Chainages are expressed in metres and measured from Euston Station.
 - G4. Global coordinates are indicated by Eastings (E) and Northings (N) to the project snake grid.
 - G5. All angles are in degrees (0°/360°) unless noted otherwise.
 - G6. Dimensions are not to be scaled from the drawing.
 - G7. For the scope of works by the rail systems contractor, as indicatively shown on the drawings, refer to VI 100
 - G8. The current design is based on Project Master Alignment (PMA) 3.0

HS2

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OFFICIAL

Creator/Originator
SCS JV - Design House

Zone	Granby Terrace Bridge		Project/Contract		HS2-MWCC SCS Sector S1	
Design Stage	Detailed Design		Discipline/Function		Highways	
Drawing Title	Granby Terrace Bridge Highways Design Drawing Road Lighting LBC		Drawn	Checked	Approved	
			G.Tulini	J.Bird	D Lewin	
			Date	Scale	Size	
			11/05/22	1:250	A1	
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