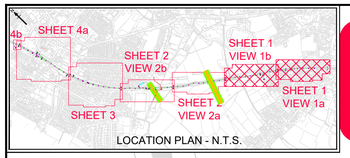
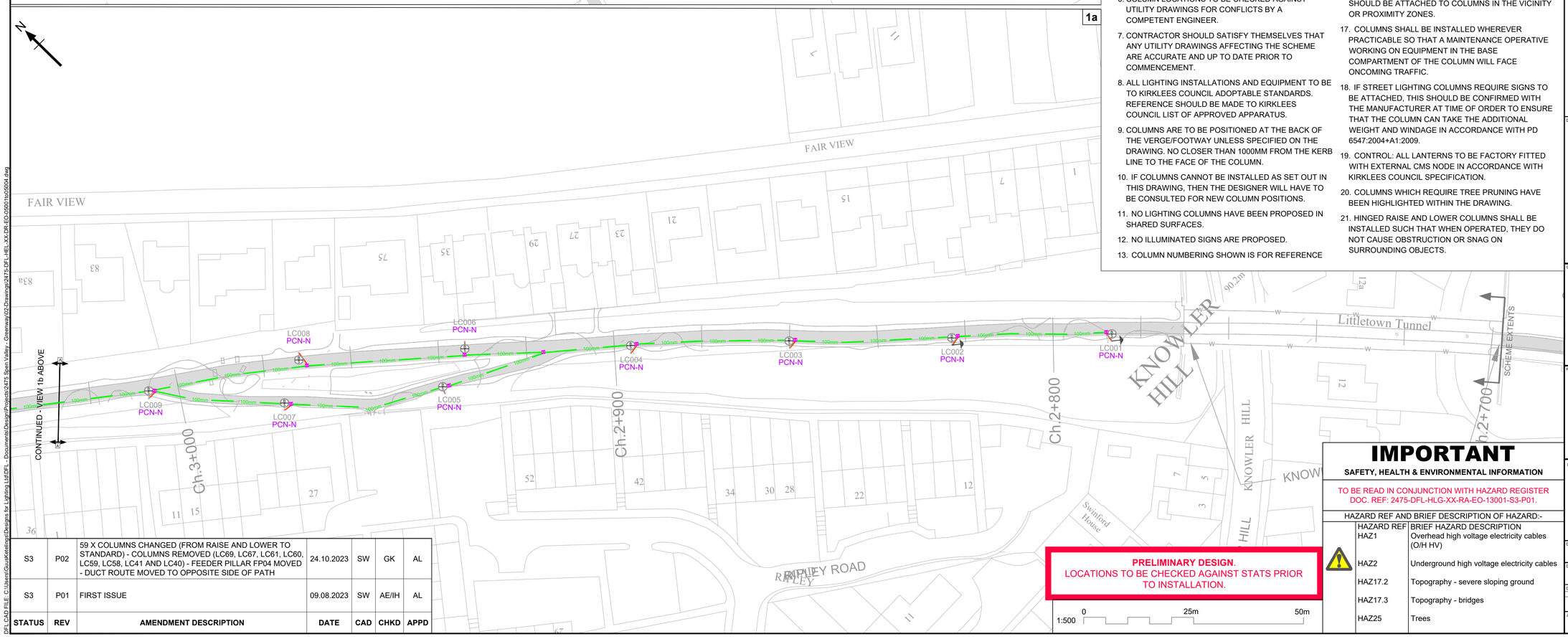


NOT FOR CONSTRUCTION

1b

1a



Notes

1. THIS IS AN AUTOCAD DRAWING AND SHOULD NOT BE AMENDED BY HAND.
2. THE EXISTING LOCATIONS ARE APPROXIMATE AND THEIR ACCURACY CANNOT BE GUARANTEED.
3. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
4. DRAWING TO BE READ IN CONJUNCTION WITH OTHER CONTRACT DOCUMENTS.

4.1. 4.1 2475-DFL-HLG-XX-CA-EO-13001 [LIGHTING CALCULATION]
4.2. 2475-DFL-HLG-XX-RP-EO-13001 [DESIGN SUMMARY REPORT]
4.3. 2475-DFL-HLG-XX-RA-EO-13001 [RISK ASSESSMENT]
4.4. 2475-DFL-HEL-XX-DR-EO-13001to13005 [LIGHTING LAYOUT]
4.5. 2475-DFL-HEL-XX-SC-EO-14001to14004 [ELECTRICAL SCHEMATICS]

5. THIS DRAWING MUST NOT BE SCALED.
6. COLUMN LOCATIONS TO BE CHECKED AGAINST UTILITY DRAWINGS FOR CONFLICTS BY A COMPETENT ENGINEER.
7. CONTRACTOR SHOULD SATISFY THEMSELVES THAT ANY UTILITY DRAWINGS AFFECTING THE SCHEME ARE ACCURATE AND UP TO DATE PRIOR TO COMMENCEMENT.
8. ALL LIGHTING INSTALLATIONS AND EQUIPMENT TO BE TO KIRKLEES COUNCIL ADOPTABLE STANDARDS. REFERENCE SHOULD BE MADE TO KIRKLEES COUNCIL LIST OF APPROVED APPARATUS.
9. COLUMNS ARE TO BE POSITIONED AT THE BACK OF THE VERGE/FOOTWAY UNLESS SPECIFIED ON THE DRAWING. NO CLOSER THAN 1000MM FROM THE KERB LINE TO THE FACE OF THE COLUMN.
10. IF COLUMNS CANNOT BE INSTALLED AS SET OUT IN THIS DRAWING, THEN THE DESIGNER WILL HAVE TO BE CONSULTED FOR NEW COLUMN POSITIONS.
11. NO LIGHTING COLUMNS HAVE BEEN PROPOSED IN SHARED SURFACES.
12. NO ILLUMINATED SIGNS ARE PROPOSED.
13. COLUMN NUMBERING SHOWN IS FOR REFERENCE PURPOSES ONLY, FINAL NUMBERING SHOULD BE AGREED WITH KENT COUNTY COUNCIL BEFORE CONSTRUCTION.
14. 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.
15. COLUMNS IN THE VICINITY OR PROXIMITY ZONES NEARBY HIGH VOLTAGE OVERHEAD LINES (HV OHL) SHALL BE INSTALLED IN ACCORDANCE WITH ILP GP10 - SAFETY DURING THE INSTALLATION AND REMOVAL OF LIGHTING COLUMNS AND SIMILAR STREET FURNITURE IN PROXIMITY TO HIGH VOLTAGE OVERHEAD LINES, AS WELL AS G39 AS PER NOTE 14.
16. A WARNING LABEL HIGHLIGHTING THE PRESENCE OF NEARBY OVERHEAD ELECTRIC POWER LINES SHOULD BE ATTACHED TO COLUMNS IN THE VICINITY OR PROXIMITY ZONES.
17. 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.
18. 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.
19. CONTROL: ALL LANTERNS TO BE FACTORY FITTED WITH EXTERNAL CMS NODE IN ACCORDANCE WITH KIRKLEES COUNCIL SPECIFICATION.
20. COLUMNS WHICH REQUIRE TREE PRUNING HAVE BEEN HIGHLIGHTED WITHIN THE DRAWING.
21. HINGED RAISE AND LOWER COLUMNS SHALL BE INSTALLED SUCH THAT WHEN OPERATED, THEY DO NOT CAUSE OBSTRUCTION OR SNAG ON SURROUNDING OBJECTS.

KEY PROPOSED

QTY.	SYMBOL	DESCRIPTION
	LC### PCN-N R&L	PROPOSED LIGHTING COLUMN FOR DETAILS SEE DRAWING 2475-DFL-HLG-XX-DR-EO-13001 TO 13005
4	FP0#	FEEDER PILLAR SUITABLE TO HOUSE INCOMING DNO CONNECTION, CLASS 1/2 SURGE PROTECTION AND ISOLATORS SUITABALE FOR THE PROPOSED NUMBER OF OUTGOING CIRCUITS / SPAR WAY. SEE ELECTRICAL SCHEMATICS 2753-DFL-HLG-XX-CA-EO-14001-S3-P01 FOR FURTHER DETAILS.
	100mm P02	PROPOSED ROUTE OF 100mm TWIN WALL CABLE DUCT WITH "STREET LIGHTING EMBOSED 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.
	50mm	PROPOSED ROUTE OF 50mm TWIN WALL CABLE DUCT WITH "STREET LIGHTING EMBOSED 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.
74		PROPOSED DRAWPIT 450mm X 450mm WITH A LID IN ACCORDANCE WITH BS EN 124, CLASS B125.
15		EARTH ELECTRODE
		PROXIMITY ZONE
		VICINITY ZONE

EXISTING HAZARDS (AS FOUND ON NORTHERN POWERGRID - JOB REF SD867239)

132kV (OH)	132kV OVERHEAD ELECTRIC CABLE - LIVE
(OH)ELEC	33kV OVEREHAD ELECTRIC CONDUCTORS
HV	UNDERGROUND HIGH VOLTAGE CABLES

IMPORTANT

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

TO BE READ IN CONJUNCTION WITH HAZARD REGISTER DOC. REF: 2475-DFL-HLG-XX-RA-EO-13001-S3-P01.

HAZARD REF AND BRIEF DESCRIPTION OF HAZARD:-

HAZARD REF	BRIEF HAZARD DESCRIPTION
HAZ1	Overhead high voltage electricity cables (O/H HV)
HAZ2	Underground high voltage electricity cables
HAZ17.2	Topography - severe sloping ground
HAZ17.3	Topography - bridges
HAZ25	Trees

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

1:500 0 25m 50m

STATUS	REV	AMENDMENT DESCRIPTION	DATE	CAD	CHKD	APPD
S3	P02	59 X COLUMNS CHANGED (FROM RAISE AND LOWER TO STANDARD) - COLUMNS REMOVED (LC69, LC67, LC61, LC60, LC59, LC58, LC41 AND LC40) - FEEDER PILLAR FP04 MOVED - DUCT ROUTE MOVED TO OPPOSITE SIDE OF PATH	24.10.2023	SW	GK	AL
S3	P01	FIRST ISSUE	09.08.2023	SW	AE/IH	AL

DESIGNERS
DFL-UK (Designs for Lighting Ltd)
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Tel: 01962 855080
Email: info@dfl-uk.com

CLIENT
sustrans

PROJECT
SPEN VALLEY - GREENWAY

DRAWING TITLE
DUCT & ELECTRICAL LAYOUT

DESIGNED	CAD	CHECKED	APPROVED
GK	SW	AE/IH	AL
DATE DESIGNED	SHEET	SCALE	SHEET SIZE
AUG 2023	1 of 4	1:500	A1

DRAWING NUMBER
PROJECT -ORIGINATOR -VOLUME -LOCATION -TYPE -ROLE -NUMBER
2475-DFL-HLG-XX-DR-EO-05001

JOB NUMBER	STATUS	REVISION
2475	S3	P02