Quantity	Symbol	Type of Lighting Unit
28		Proposed 8 metre Steel column with Spigot Mounted Urbis Axia 2.1 24–630–5187 (44w) 5.89klm (KMC LED8) lantern
4		Proposed 5 metre Hinged Steel column with Spigot Mounted Ignis mini 20 MPE 4.0_70_437_4426_2 (27w) 4.43klm (KMC LED7) lantern
1		S278– Indicative position of proposed 8 metre Steel column with Spigot Mounted Urbis Axia 2.1 (KMC LED8) lantern

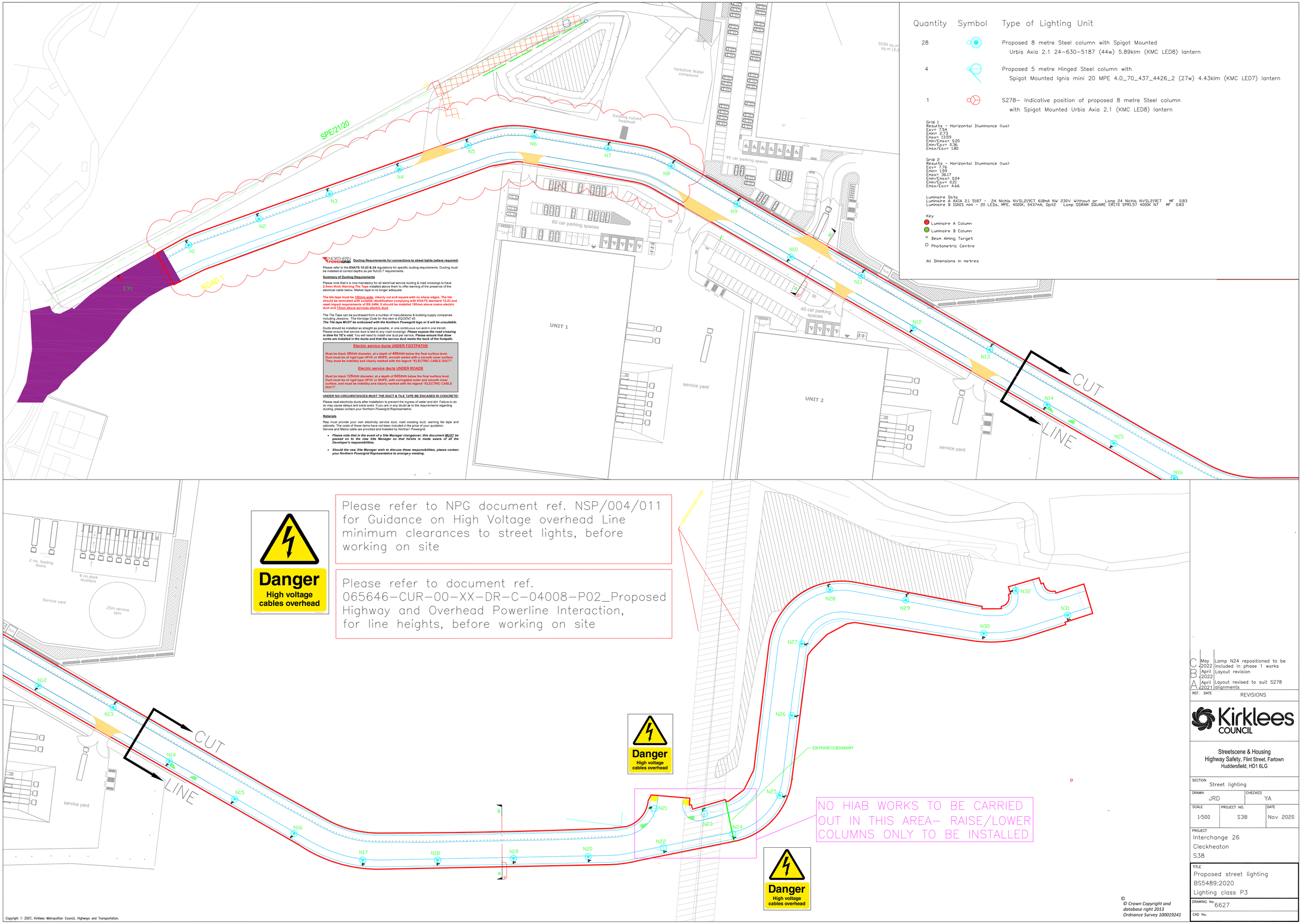
Grid 1
Results - Horizontal Illuminance (lux)
Eav= 7.54
Emin= 2.73
Emax= 13.59
Emin/Emax= 0.20
Emin/Eav= 0.36
Emax/Eav= 1.80

Grid 2
Results - Horizontal Illuminance (lux)
Eav= 7.76
Emin= 1.59
Emax= 36.17
Emin/Emax= 0.04
Emin/Eav= 0.21
Emax/Eav= 4.66

Luminaire Data
Luminaire A AXIA 2.1 5187 - 24 Nichia NVSL219CT 618mA NV 230V Without pr Lamp 24 Nichia NVSL219CT MF 0.83
Luminaire B IGNIS mini - 20 LEDs, MPE, 4000K, 0437mA, Opt2 Lamp OSRAM SQUARE CRI70 SPR157 4000K N7 MF 0.83

Key
- Luminaire A Column
- Luminaire B Column
- Beam Aiming Target
- Photometric Centre

All Dimensions in metres



Please refer to NPG document ref. NSP/004/011 for Guidance on High Voltage overhead Line minimum clearances to street lights, before working on site

Please refer to document ref. 065646–CUR–00–XX–DR–C–04008–P02_Proposed Highway and Overhead Powerline Interaction, for line heights, before working on site

NORTHERN POWERGRID **Ducting Requirements for connections to street lights (where required)**

Please refer to the **ENATS 12-23 & 24** regulations for specific ducting requirements. Ducting must be installed at correct depths as per NJUG 7 requirements.

Summary of Ducting Requirements

Please note that it is now mandatory for all electrical service ducting & road crossings to have **2.5mm thick Warning Tile Tape** installed above them to offer warning of the presence of the electrical cable below. Marker tape is no longer adequate.

The tile tape must be 150mm wide, cleanly cut and square with no sharp edges. The tile should be laminated with suitable identification complying with ENATS standard 12-23 and meet impact requirements of BS-2484. It should be installed 100mm above mains electric duct and 75mm above services electric duct.

The Tile Tape can be purchased from a number of manufactures & building supply companies including Jewsons. The Kentdge Code for this item is *EGCDTAT 40*
The Tile tape MUST be embossed with the Northern Powergrid logo or it will be unsuitable.

Ducts should be installed as straight as possible, in one continuous run and in one trench.
Please ensure that service ducts are laid to any road crossings. ***Please expose the road crossing at one side of the kerb.*** You will need to install one duct per service. **Please ensure that draw cords are installed in the ducts and that the service duct meets the back of the footpath.**

Electric service ducts UNDER FOOTPATHS

Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type UPVC or MDPE, smooth walled with a smooth inner surface. They must be indelibly and clearly marked with the legend "ELECTRIC CABLE DUCT".

Electric service ducts UNDER ROADS

Must be black 125mm diameter, at a depth of 600mm below the final surface level. Duct must be of rigid type UPVC or MDPE, with corrugated outer and smooth inner surface, and must be indelibly and clearly marked with the legend "ELECTRIC CABLE DUCT".

UNDER NO CIRCUMSTANCES MUST THE DUCT & TILE TAPE BE ENCASED IN CONCRETE!

Please seal electricity ducts after installation to prevent the ingress of water and dirt. Failure to do so may cause delays and extra costs. If you are in any doubt as to the requirements regarding ducting, please contact your Northern Powergrid Representative.

Materials

You must provide your own electricity service duct, road crossing duct, warning tile tape and cabinets. The costs of these items have not been included in the price of your quotation.
Service and Mains cable are provided and installed by Northern Powergrid.

- ***Please note that in the event of a Site Manager changeover; this document MUST be passed on to the new Site Manager so that he/she is made aware of all the Developer's responsibilities.***
- ***Should the new Site Manager wish to discuss these responsibilities, please contact your Northern Powergrid Representative to arrange a meeting.***

REF.	DATE	REVISIONS
C	May 2022	Lamp N24 repositioned to be included in phase 1 works
B	April 2022	Layout revision
A	April 2021	Layout revised to suit S278 alignments

Kirklees COUNCIL

Streetscene & Housing
Highway Safety, Flint Street, Fartown
Huddersfield, HD1 6LG

SECTION: Street lighting		
DRAWN: JRD	CHECKED: YA	
SCALE: 1:500	PROJECT NO.: S38	DATE: Nov 2020

PROJECT
Interchange 26
Cleckheaton
S38

TITLE
Proposed street lighting
BS5489:2020
Lighting class P3

DRAWING No. 6627

CAD No.

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