

Grid 1
 Results - Horizontal Illuminance (lux)
 Eav= 5.31
 Emin= 1.34
 Emax= 12.95
 Emin/Emax= 0.10
 Emin/Eav= 0.25

Luminaire Data
 Luminaire A Orangetek LED Street Light. Product ID: IGNIS MINI 20. Lamp OSRAM SQUARE CRI70

Quantity	Symbol	Type of Lighting Unit
3		Proposed 8 metre Steel column with Spigot Mounted OrangeTek IGNIS MINI Osram Square CRI70 3.02klm (LED 7) lantern
1		Proposed 10 metre Steel column with Spigot Mounted Urbis Axia 2.2 48-690-5187 (LED 9) lantern
1		Existing 10 metre Steel column - to remove
1		Existing 10 metre Steel column - for reference only
1		Existing Feeder Pillar - to remove
1		Proposed Feeder Pillar - to supply electric vehicle charges Position and specification to be advised by E.V.C. contractor
92mtr		Proposed Ducting - to supply electric vehicle charges
12		Proposed electric vehicle charging points (22kw per 2 vehicles - fast charging)

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 NUGS 7 requirements.

Summary of Ducting Requirements
 Please note that it is now mandatory for all electrical service ducting & road crossings to have 3.5mm 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-2464. 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 manufacturers & building supply companies including Jewsons. The Skidcode for the item is 202207 40.
 Ducts should be installed as straight as possible, in one continuous run and in one trench. Please ensure that service duct is laid to any road crossings. Please expose the road crossing in time for VE's visit. 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.

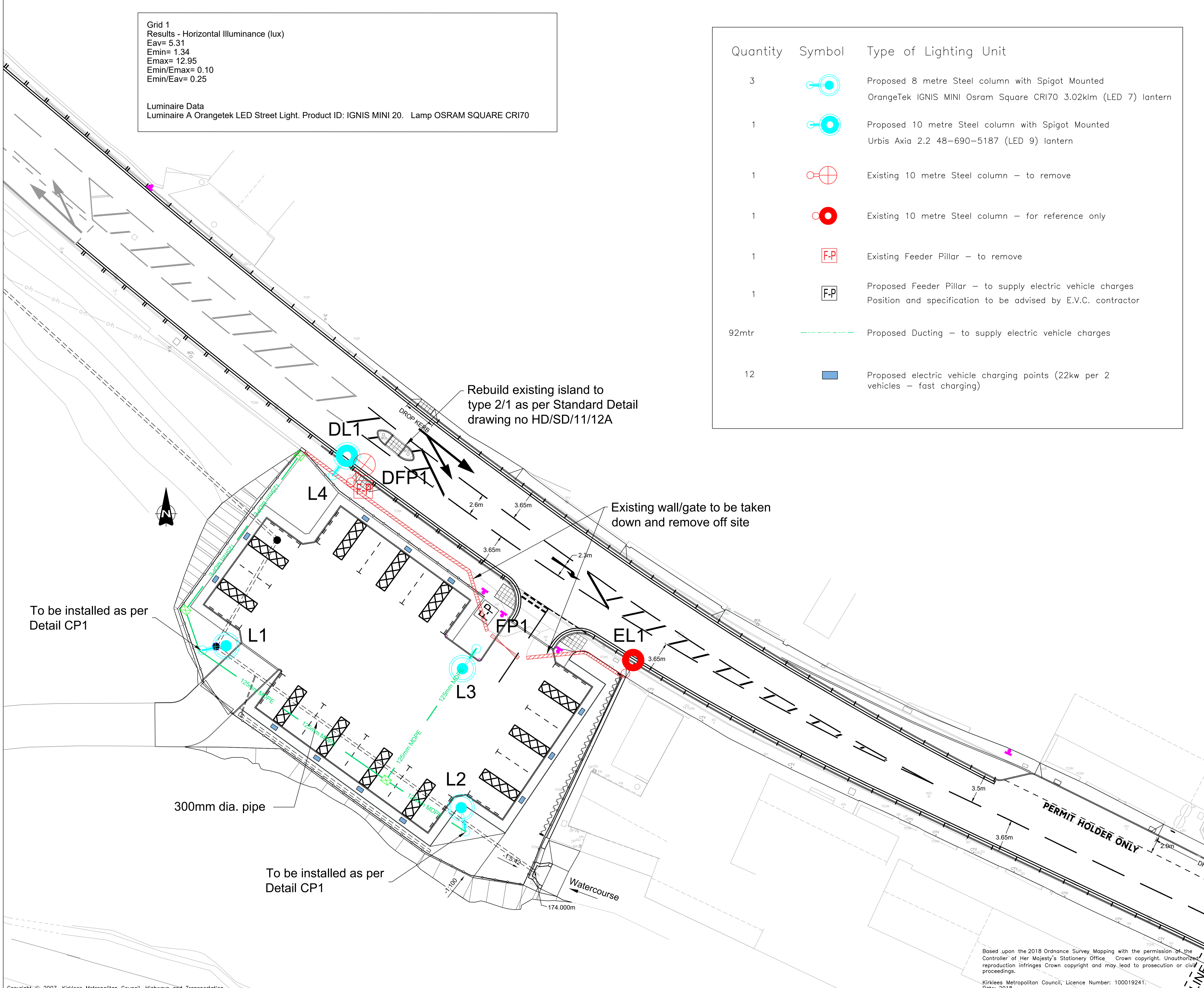
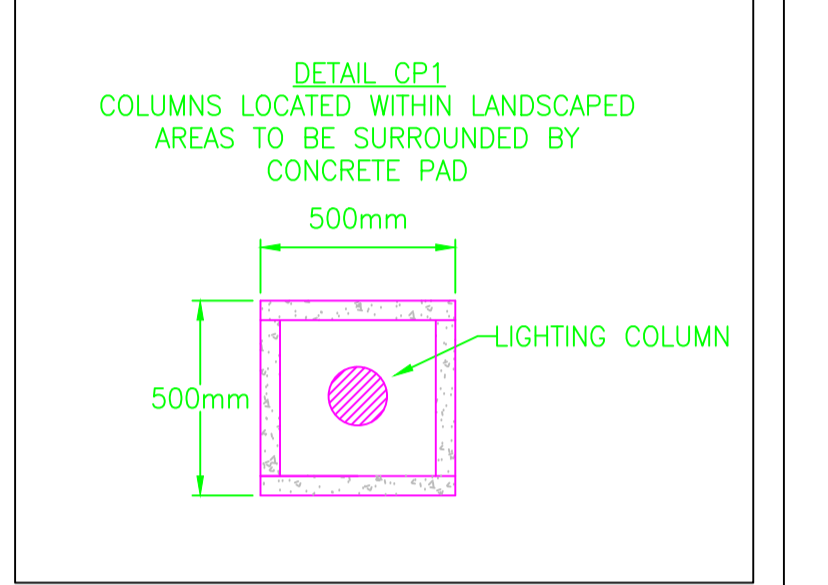
Electric service ducts UNDER FOOTPATHS
 Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type UPVC or MDPE, smooth walled with a smooth inner surface. They must be indelibly and clearly marked with the legend "ELECTRIC CABLE DUCT".

Electric service ducts UNDER ROADS
 Must be black 115mm 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 cables 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
E	05.05.20	L1 to L3 now 8mtr cols, L4 relocated
D	20.04.20	Design modified and ducts added
C	15.04.20	Layout updated
B	23.01.20	Feeder Pillars added
REVISIONS		
Streetscene and Housing Service Highways and Operation Division Flint Street, Fartown Huddersfield HD1 6LG		
SECTION	STREET LIGHTING	
DRAWN	JCR	CHECKED
SCALE	PROJECT NO.	DATE
1:200	TF5	MAY 2020
PROJECT	HALIFAX ROAD (PHASE 5)	
TITLE	PRINCE ROYD CAR PARK STREET LIGHTING PLAN 6531-2	
DRAWING No.	TF5/AREA C/SL6531-2E	
CAD No.		