

- NOTES**
- All dimensions and levels are in metres unless otherwise noted
 - This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
 - This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
 - This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
 - Digital copies of this plan can only be considered accurate if supplied directly by Infrastruct CS Ltd.

DESIGNERS CDM NOTE - RESIDUAL RISKS NOT IDENTIFIED

The design Engineer(s) have assessed this design as the scheme has been developed in order to identify if there are any residual risks hazards (i.e. unusual, unexpected, abnormal or difficult).

No residual risks have been identified for this scheme and therefore no entries were added to the risk register.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that they can reasonably be expected to encounter as part of their work.

Surfaces Legend

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|--|---------------------------------------|
| | Section 38 Land to be Dedicated |
| | Works to existing Highway |
| | Section 38 Boundary |
| | Highway Drainage |
| | Highway Drainage - Road Gully |
| | S104 Adaptable Surface Water Drainage |

Chamber Key

| | |
|--|---|
| | Adaptable demarcation manhole within 1m of boundary |
| | Manhole Depth: 1.25m to 1.5m* Depth: 1.55m to 3.0m* |

* General note
 (Refer to standard details & longitudinal sections for chamber sizes. Size may need to increase dependent on number of incoming pipes/size of incoming pipes)

- NOTES**
- All street lights in verge to have 150mm concrete collar surround
 - Tree root barrier required to any tree within 5m of the carriageway/footway
 - Permeable paving to be laid of 45° herringbone pattern. Stretcher course should be used when pattern can't be continued. 1 No stretcher course channel either side of road
 - No doors or windows are to open onto the highway at any level. No gas boxes or porches are to be located within highway land
 - All private footways to be side hung so no runoff into public highway
 - No railings or fences to be in highway or 600mm from front face of kerb

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|-----|-----|-----|---|----------|
| P07 | NJ | TST | Lighting specification updated in line with revised specialist lighting design | 17/08/21 |
| P06 | NJ | TST | Lighting design specification relating to column 3 luminaire updated following receipt of amended information | 20/07/21 |
| P05 | SNN | TST | Street Lighting Design updated to latest DPL design and Specification. Ducting Requirements added. | 22/06/21 |
| P04 | NJ | TST | Highway drainage coloured green | 04/05/21 |
| P03 | NJ | TST | Proposed lighting design & specifications added | 31/03/21 |
| P02 | NJ | TST | Entrance proposal amended and new crossover works added to the plan | 23/02/21 |
| P01 | SNN | TST | Initial issue | 11/01/21 |

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|-----|-------|-------|-------------------|------------|
| REV | DRAWN | CHECK | REVISION COMMENTS | ISSUE DATE |
|-----|-------|-------|-------------------|------------|

| | |
|----------------------|-----------|
| DRAWING TITLE | SHEET NO. |
| Section 38 Agreement | 1 |

PROJECT
 Quarry Road
 Alveston
 BS35 3JJ

| | |
|--------------------|--------------------|
| | |
| EG CARTER & CO LTD | Infrastruct CS Ltd |

| | | | | |
|----------------|-------|-----|----------|------|
| SCALE @ A1 | 1:200 | | ENGINEER | TST |
| PROJECT NUMBER | 3743 | S2 | DRAFT | SNN |
| PROJECT ORIGIN | QUAR | ICS | APPROVED | TST |
| PHASE | 01 | XX | NO. | 0700 |
| LEVEL | DR | C | REVISION | P07 |

NEW 6m LIGHTING UNIT WITH 20W LED LUMINAIRE POST TOP MOUNTED AT 5° INCLINATION COMPRISING:

COLUMN
 CU PHOSCO 6m. ROOT MOUNTED, GALVANISED, TUBULAR COLUMN WITH GLASS FLAKE ROOT PROTECTION
 Ref: FR2504101/GFR

LUMINAIRE
 CU PHOSCO, P852K LUMINAIRE WITH 12 No NEUTRAL WHITE LEDS (4000K), 500mA DALI ENABLED DRIVER, CLO, TYPE R2B OPTIC, 7 PIN NEMA SOCKET, FOR POST TOP MOUNTING ON 76mm SPIGOT
 PRE-PROGRAMMED TO SGC'S STANDARD DIMMING REGIME
 LANTERN REF: P852K-12-R2B-NW-CB500-20W
 SGC ORDERING CODE SGC-CU-S-20W-M19

PHOTOCELL
 WESTIRE TECHNOLOGY, TYPE B480, ONE PART, ELECTRONIC, NEGATIVE RATIO (1:0.5) SET TO SWITCH ON AT 35 LUX - RED CASING

SECONDARY ISOLATORS
 TOPCO LTD DPT CUT OUT COMPLETE WITH 4A BS88 FUSE
 REF DPT/1F
 NOTE: EXISTING LUMINAIRE AND PHOTOCELL FROM REMOVED COLUMN CAN BE REUSED AT ONE LOCATION

NEW 6m LIGHTING UNIT WITH 20 WATT LED LUMINAIRE POST TOP MOUNTED AT 0° INCLINATION COMPRISING:

COLUMN
 CU PHOSCO 6m. ROOT MOUNTED, GALVANISED, TUBULAR COLUMN WITH GLASS FLAKE ROOT PROTECTION
 Ref: FR2504101/GFR

LUMINAIRE
 CU PHOSCO, P852K LUMINAIRE WITH 12 No NEUTRAL WHITE LEDS (4000K), 500mA DALI ENABLED DRIVER, CLO, TYPE R2B OPTIC, 7 PIN NEMA SOCKET, FOR POST TOP MOUNTING ON 76mm SPIGOT
 PRE-PROGRAMMED TO SGC'S STANDARD DIMMING REGIME
 LANTERN REF: P852K-12-R2B-NW-CB500-20W
 SGC ORDERING CODE SGC-CU-S-20W-M19

PHOTOCELL
 WESTIRE TECHNOLOGY, TYPE B480, ONE PART, ELECTRONIC, NEGATIVE RATIO (1:0.5) SET TO SWITCH ON AT 35 LUX - RED CASING

SECONDARY ISOLATORS
 TOPCO LTD DPT CUT OUT COMPLETE WITH 4A BS88 FUSE
 REF DPT/1F

NEW 6m LIGHTING UNIT WITH 9 WATT LED LUMINAIRE POST TOP MOUNTED AT 0° INCLINATION COMPRISING:

COLUMN
 CU PHOSCO 6m. ROOT MOUNTED, GALVANISED, TUBULAR COLUMN WITH GLASS FLAKE ROOT PROTECTION
 Ref: FR2504101/GFR

LUMINAIRE
 CU PHOSCO, P852K LUMINAIRE WITH 12 No NEUTRAL WHITE LEDS (4000K), 200mA DALI ENABLED DRIVER, CLO, TYPE R2B OPTIC, 7 PIN NEMA SOCKET, FOR POST TOP MOUNTING ON 76mm SPIGOT
 PRE-PROGRAMMED TO SGC'S STANDARD DIMMING REGIME
 LANTERN REF: P852K-12-R2B-NW-CB200-9W
 SGC ORDERING CODE SGC-CU-S-9W-M19

PHOTOCELL
 WESTIRE TECHNOLOGY, TYPE B480, ONE PART, ELECTRONIC, NEGATIVE RATIO (1:0.5) SET TO SWITCH ON AT 35 LUX - RED CASING

SECONDARY ISOLATORS
 TOPCO LTD DPT CUT OUT COMPLETE WITH 4A BS88 FUSE
 REF DPT/1F

EXISTING P852K LUMINAIRE TO REMAIN UNALTERED
 LANTERN REF: P852K-12-R2B-NW-CB500-20W
 NOTE:
 LOCATION 8 - LUMINAIRE IS MOUNTED ON WOODEN TELEPHONE POLE AT 4.8m HEIGHT, 5° INCLINATION
 LOCATION 10 - LUMINAIRE IS MOUNTED POST TOP ON 6m COLUMN AT 5° INCLINATION

EXISTING 6m COLUMN TO BE DISCONNECTED FROM THE DNO SUPPLY AND REMOVED. LUMINAIRE AND PHOTOCELL ARE TO BE RETAINED FOR REUSE IN NEW LOCATION

- DUCTING REQUIREMENTS:**
- CARRIAGEWAY: MINIMUM 100mm INTERNAL DIAMETER DUCTING LAID AT 750mm DEPTH OF COVER
 - FOOTWAY/CYCLEWAY/VERGE: MINIMUM 50mm INTERNAL DIAMETER DUCTING LAID AT 450mm DEPTH OF COVER
 - LOCAL AUTHORITY STREET LIGHTING: CABLING SHALL HAVE ORANGE DUCTING
 - DNO/DNO CABLING SHALL HAVE BLACK DUCTING
 - ALL DUCTING TO HAVE A 6mm² DRAW ROPE
 - CARRIAGEWAY CROSSINGS SHALL HAVE A MINIMUM OF 2 DUCTS LAID

CDM 2015 (HEALTH AND SAFETY)
 REFER TO DESIGNERS RISK ASSESSMENT P015204 DRA -V2
 IT IS ASSUMED THAT ALL INSTALLATION, MAINTENANCE AND DECOMMISSIONING WORKS ASSOCIATED WITH STREET LIGHTING ON THIS SITE, WILL BE UNDERTAKEN BY A SUITABLY QUALIFIED AND EXPERIENCED STREET LIGHTING CONTRACTOR HOLDING A "HERS" CERTIFICATE, WHO WILL BE FAMILIAR WITH THE USUAL RISKS ASSOCIATED WITH ELECTRICAL INSTALLATIONS ON THE HIGHWAY.

RESIDUAL RISKS:
 11KV CABLES RUN IN VICINITY OF PROPOSED COLUMN LC1. THESE ARE BEING DIVERTED UNDER THE ROAD AWAY FROM LOCATION. EXTREME CAUTION REQUIRED. UNDERTAKE SCAN PRIOR TO INSTALLATION AND HAND DIG FOUNDATIONS

