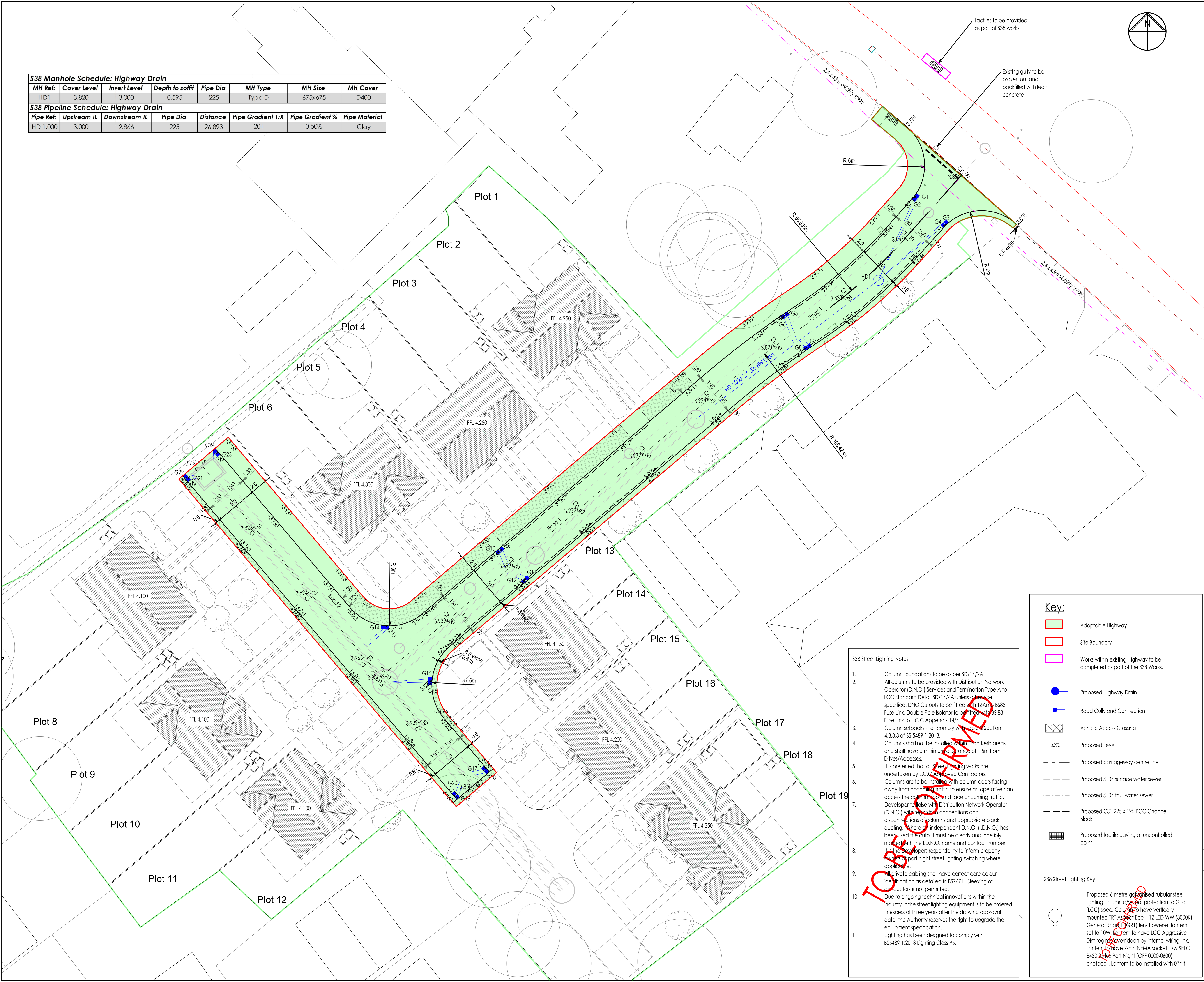


| S38 Manhole Schedule: Highway Drain | | | | | | | |
|--------------------------------------|-------------|---------------|-----------------|----------|-------------------|-----------------|---------------|
| MH Ref: | Cover Level | Invert Level | Depth to soffit | Pipe Dia | MH Type | MH Size | MH Cover |
| HD1 | 3.820 | 3.000 | 0.595 | 225 | Type D | 675x675 | D400 |
| S38 Pipeline Schedule: Highway Drain | | | | | | | |
| Pipe Ref: | Upstream IL | Downstream IL | Pipe Dia | Distance | Pipe Gradient 1:X | Pipe Gradient % | Pipe Material |
| HD 1.000 | 3.000 | 2.866 | 225 | 26.893 | 201 | 0.50% | Clay |



- S38 Street Lighting Notes
- Column foundations to be as per SD/14/2A.
 - All columns to be provided with Distribution Network Operator (D.N.O.) Services and Termination Type A to LCC Standard Detail SD/14/4A unless otherwise specified. DNO Cutouts to be fitted with 16Amp BS88 Fuse Link. Double Pole Isolator to be fitted with BS 88 Fuse Link to L.C.C Appendix 14/4.
 - Column setbacks shall comply with Table 1 Section 4.3.3.3 of BS 5489-1:2013.
 - Columns shall not be installed within Drop Kerb areas and shall have a minimum clearance of 1.5m from Drives/Accesses.
 - It is preferred that all Street Lighting works are undertaken by L.C.C. Approved Contractors.
 - Columns are to be installed with column doors facing away from oncoming traffic to ensure an operative can access the column door and face oncoming traffic.
 - Developer to raise with Distribution Network Operator (D.N.O.) with regards to connections and disconnections of columns and appropriate black ducting. Where an independent D.N.O. (I.D.N.O.) has been used the cutout must be clearly and indelibly marked with the I.D.N.O. name and contact number. It is the developer's responsibility to inform property owners of part night street lighting switching where applicable.
 - Private cabling shall have correct core colour identification as detailed in BS7671. Slewing of conductors is not permitted.
 - Due to ongoing technical innovations within the industry, if the street lighting equipment is to be ordered in excess of three years after the drawing approval date, the Authority reserves the right to upgrade the equipment specification.
 - Lighting has been designed to comply with BS5489-1:2013 Lighting Class P5.

Key:

- Adaptable Highway
- Site Boundary
- Works within existing Highway to be completed as part of the S38 Works.
- Proposed Highway Drain
- Road Gully and Connection
- Vehicle Access Crossing
- Proposed Level
- Proposed carriageway centre line
- Proposed S104 surface water sewer
- Proposed S104 foul water sewer
- Proposed CS1 225 x 125 PCC Channel Block
- Proposed tactile paving at uncontrolled point

S38 Street Lighting Key

- Proposed 6 metre galvanised tubular steel lighting column c/w heat protection to G10 (LCC) spec. Columns to have vertically mounted TRT Aspect Eco 112 LED WW (3000K) General Road (GR1) lens Powerset lantern set to 10W. Lantern to have LCC Aggressive Dim regime overridden by internal wiring link. Lantern to have 7-pin NEMA socket c/w SELC 8480 250V Part Night (OFF 0000-0600) photocell. Lantern to be installed with 0° tilt.

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- This drawing & any design thereon is the copyright of Wm Saunders Partnership LLP and must not be reproduced without their written consent.
- Contractors must verify all dimensions, levels and co-ordinates of the site before commencing any work or making any shop drawings; no dimensions to be taken from drawing.
- "The specification in all respects shall be in accordance with the current Lincolnshire Development Road and Sustainable Drainage Design Guide" and "Development Road and Sustainable Drainage Specification and Construction" publications in force in the county of the time of construction.
 - The minimum longitudinal fall for highways, without channel blocks shall be 1 in 150, and with channel blocks 1 in 250 (see Clause 10.1).
 - In addition, ensure that the first section of any side road falls away from the road to which it is connecting. If general topography requires it to rise, this change of direction should take place after the first set of gullies. This is to ensure a 'false channel' with associated drainage problems is not created in the bellmouth of junctions.
 - "General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the current Development Road Specification at the developers' own cost at the agreement of the inspecting Highway and Flood Authority Officer".
 - "No Private surface water shall discharge onto the adoptable highway".
 - "No private, structural features shall overhang the adoptable highway".
 - "No private retaining walls exceeding 1.37m shall be within 3.66m of the highway boundary".

ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF LINCOLNSHIRE COUNTY COUNCILS DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE DESIGN GUIDE AND DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION.

| P2 | Revised in accordance with LCC comments | JW | PAE | 06/19 |
|--|---|-----|-------|-------|
| P1 | Initial Issue | JW | PAE | 06/19 |
| Rev | Description | Drm | Vf'd | Date |
| As outlined in section 2.3 of the CIB Industry Guidance to Designers, insignificant risks can usually be ignored, as can risks arising from routine construction activities, unless the design compounds or significantly alters these risks. In accordance with CDM Regulations 8, 9 and 11, any significant risks relating to the design features shown on this drawing have been identified and are annotated thus: | | | | |
| <input checked="" type="checkbox"/> No significant risks have been identified. <input type="checkbox"/> Significant risks have been identified - refer to notes on drawing for information on residual risks and any control measures to be employed. Refer to the current Designer's Risk Assessment sheets for further details. | | | | |
| Designer's Signature | | PAE | Date | |
| | | | 05/19 | |

Drawing Status **REGULATORY APPROVAL**

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Project

Proposed Residential Development, Main Road, Quadding

Client

Hilljet Construction

Title

S38 Layout

| | | | | |
|------------------|-------|-------|-------|------|
| WmS Project Ref. | Drawn | Date | Scale | @ A1 |
| 11974 | JW | 05/19 | 1:200 | |

Drawing/Document Reference

| | | | | | | | | |
|---------|------------|------|-------|------|------|--------|--------|------|
| Project | Originator | Zone | Level | Type | Role | Number | Status | Rev. |
| 11974 | WMS | ZZ | XX | DR | C | 39501 | S8 | P2 |