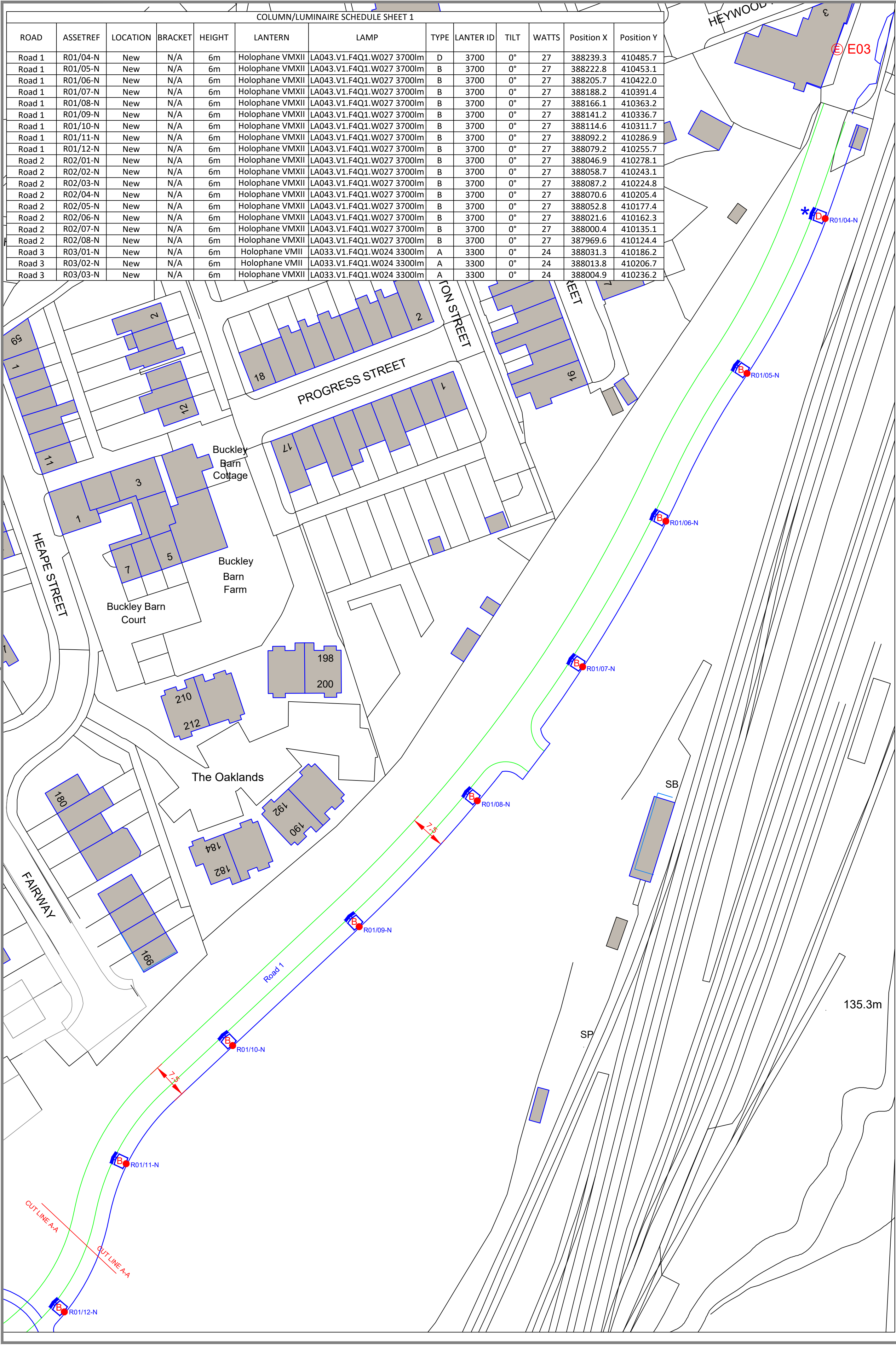




Design Notes

- Lit to B55489-01:2013 Table A.5 Class P4 and Rochdale Metropolitan Borough Council (RMBC) Design Brief ARC-160-2-24-A1 dated 21/06/2024.
- All new lighting columns to have a Regional DNO supply. If a developer is to use an IDNO rather than DNO connection they must ensure that an agreement is in place as to where the IDNO will allow a competent person with G39 and/or ECS card to isolate the IDNO cut-out. Agreements can be via email from a person of suitable authorisation to do so. This agreement must be provided to the lighting authority for approval prior to works being carried out.
- Designed with Holophane VMXII LED luminaire as per RMBC spec.
- The discrepancy between the footpath width and the column offset takes into account half the diameter of the column base and the reality that the column will never be sited to the exact rear of the footway due to foundations etc. Optical centre is taken from the centre of the column shaft/spigot.
- Proposed trees are to be sited a minimum of 3M longitudinally away from lighting columns to minimise impact on light distribution. Landscaping shown on Kellen Homes Drawing Number KH003-A-401.
- All column locations on drawing are indicative. Exact locations to be marked on-site by overseeing engineer.
- Refer also to Construction Notes shown on drawing.
- The proposed lighting has been designed in accordance with the ILP Guidance Note 8/18 'Bats and artificial lighting in the UK'.

LIGHTING KEY

- Proposed Valmont Stainton galvanised tubular steel road lighting column of 6m nominal height with planted base and glass flake protection as per O&R PFI output specification. C/w a post top mounted @ 0° tilt Holophane VMXII 24W 3.30km LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire code - VMXII.LA033.V1.F4Q1.W024.PT1.T7.LRD.CL9.L007
- Valmont Stainton column ref: 180601METR10GR
- Proposed Valmont Stainton galvanised tubular steel road lighting column of 6m nominal height with planted base and glass flake protection as per O&R PFI output specification. C/w a post top mounted @ 0° tilt Holophane VMXII 27W 3.70km LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire code - VMXII.LA043.V1.F4Q1.W027.PT1.T7.LRD.CL9.L007
- Valmont Stainton column ref: 180601METR10GR
- Proposed Valmont Stainton galvanised tubular steel road lighting column of 6m nominal height with planted base and glass flake protection as per O&R PFI output specification. C/w a post top mounted @ 0° tilt Holophane VMXII 33W 4.4km LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, incorporating a 7-PIN NEMA socket.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with a Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
- Luminaire code - VMXII.LA043.V1.F4Q1.W033.PT1.T7.LRD.CL9.L007
- Valmont Stainton column ref: 180601METR10GR
- Proposed Valmont Stainton galvanised tubular steel road lighting column of 6m nominal height with planted base and glass flake protection as per O&R PFI output specification. C/w a post top mounted @ 0° tilt Holophane VMXII 27W 3.70km LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, with a NEMA socket replacement kit for a 20mmØ hole.
- Gear Type - Philips Xitanium Dali enabled dimmable led driver, fitted and pre-wired by the manufacturer.
- Control - Luminaire to be installed with Vizion/Dali interface control unit and Lucy Zodion Collector mounted through a 20mmØ hole, set to switch on at 55lux (1:0.5).
- Luminaire code - VMXII.LA043.V1.F4Q1.W027.PT1.T7.LRD.CL9.L007
- Valmont Stainton column ref: 180601METR10GR
- Proposed column number & connection type
- Proposed distribution network operator connection including a double pole cut out positioned to the bottom of the door aperture as per Eon standard detail dwg no. 14.26. Service cable to enter the column via a red rigid elbow duct.

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The contractor is responsible for checking dimensions and any discrepancy to be verified with E.ON UK PLC, before proceeding. Figured dimensions only to be worked to, do not scale. IF IN DOUBT ALWAYS ASK

Construction Notes:

- All works to be carried out in accordance with Oldham and Rochdale Council's Street Lighting PFI Specification and The Specification for Road Lighting, Illuminated Traffic Signs and Bollards in Oldham & Rochdale.
- Reference to Community Lighting Partnership (CLP) Standard Details shall be noted;
- 13.03 Installation of Steel Lighting Columns
- 13.04 Column Door Alignment
- 14.26 Base Compartment General Arrangement REV A
- 14.27 Column and Sign Numbering Detail
- 14.28 Termination Labels in Base Compartment
- Oldham and Rochdale's columns specification shall be in accordance with Valmont Stainton standard detail drawings as per specified in the proposed key, all having Glass Flake root protection.
- All luminaires shall incorporate Remote Monitoring System as Lucy Zodion Vizion, inclusive of electronic gear and node.
- The Developer shall be responsible to liaise with Harvard Engineering to ensure all lighting columns will be accessible to the Remote Monitoring System which will be passed over on final adoption/accrual of the assets.
- The position of the street lighting columns shall be agreed on site by the Oldham and Rochdale Street Lighting Engineer.
- It is the responsibility of the developer to ensure there is sufficient area to plant the street lighting column(s) in the positions indicated within the Proposed Adopted Highway.
- Programming and liaison with the Distribution Network Operators and Contractors is the sole responsibility of the Developer.
- The provision of electricity services to each individual lighting column shall be ordered direct from the Distribution Network Operator by the Developer who will be required to bear the costs thereof.
- The DNO termination point shall be a Double-Pole switch fuse Isolator in accordance with ENWL specification, complete with BS; 88 Part 2 fuse.
- The street lighting installation shall not be accepted as complete until:
 - The Street Lighting Engineer has received as built drawings.
 - The Street Lighting Engineer has received all test certificates, as specified in The Specification for Road Lighting, Illuminated Traffic Signs and Bollards in Oldham & Rochdale.
- Service drawings for the area have been received.
- The IDNO has signed up to the Service Level Agreement (SLA).
- The installation has been inspected for;
 - Compliance with the design specification and has been installed in accordance with The Specification for Road Lighting, Illuminate Traffic Signs and Bollards in Oldham & Rochdale.
 - Through a night time inspection, observed as being fully operational.
 - Any outstanding remedial works have been completed.
- The developer is responsible for all energy consumed by illuminated street furniture until the development is placed onto the 12 month maintenance period. At this point the Authority will accept responsibility for the energy charges. However, the installation remains the responsibility of the developer, for any equipment that may become damaged prior to the final adoption.
- Final adoption of the development takes place following the satisfactory inspection of the site including:-
 - A final inspection of the lighting installation; and
 - Night time inspections to confirm all lighting units are operational.

DRAWING ISSUED FOR CONSTRUCTION

Revisions

Rev	Details	By	C'd	Ap'd	Date
P1	First Issue	SDM	MK	MK	01/08/2024
P2	Changes inline with RMBC comments	MK	SDM	SDM	12/02/2025
C1	Issued for construction	MK	SDM	SDM	21/02/2025



Client KELLEN HOMES LIMITED

Project CASTLETON SIDNGS DEVELOPMENT
OFF HEYWOOD ROAD, CASTLETON, ROCHDALE

Title PROPOSED LIGHTING LAYOUT S38

Dwg No. 02081-01	Rev C1
Scales 1:500 @ A1	Date 30/07/24
Design SDM	Drawn SDM
Checked MK	Appd MK