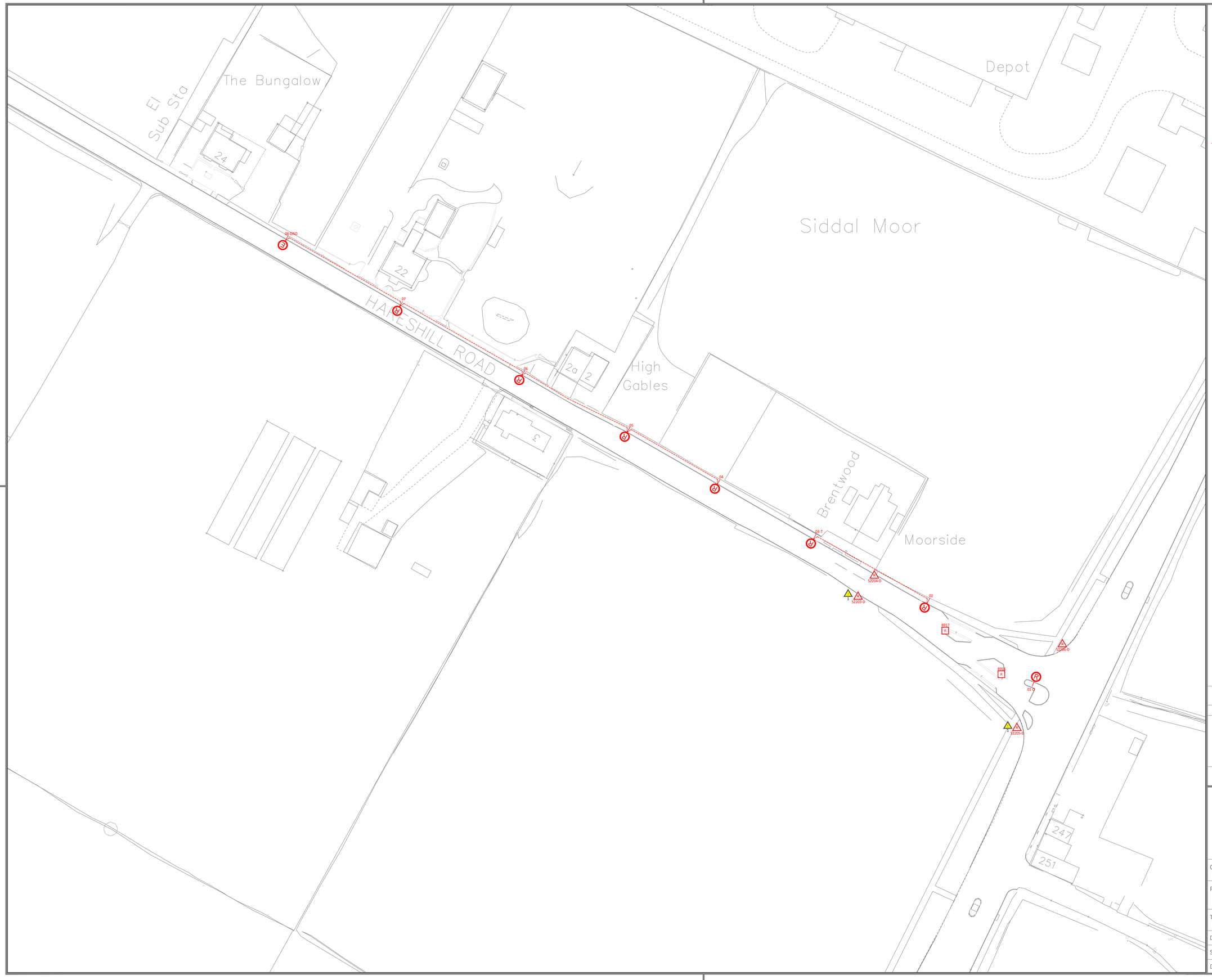

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LIGHTING KEY

- R • Existing street lighting column to be removed - Tip off site.
- E • Existing street lighting column to remain.
- A • Existing illuminated sign pole to be removed - Tip off site.
- R • Existing illuminated bollard to be removed - Tip off site.
- ------ • Existing supply cable to be removed - Tip off site.
- 1-T • Column number & connection type
- T • Transfer of existing service to new column via RED ducting to ENW specification, including an ENW approved Tofco Single Phase Double Pole cut out, having the service cable enter the column via the cable entry slot, through a RED elbow duct to meet ENW specifications.
- D • Existing Distribution Network Operator Disconnection
- DNO • Existing Distribution Network Operator service
- • Significant Residual Risks
  1.Underground high voltage (HV) cables are present in vicinity.

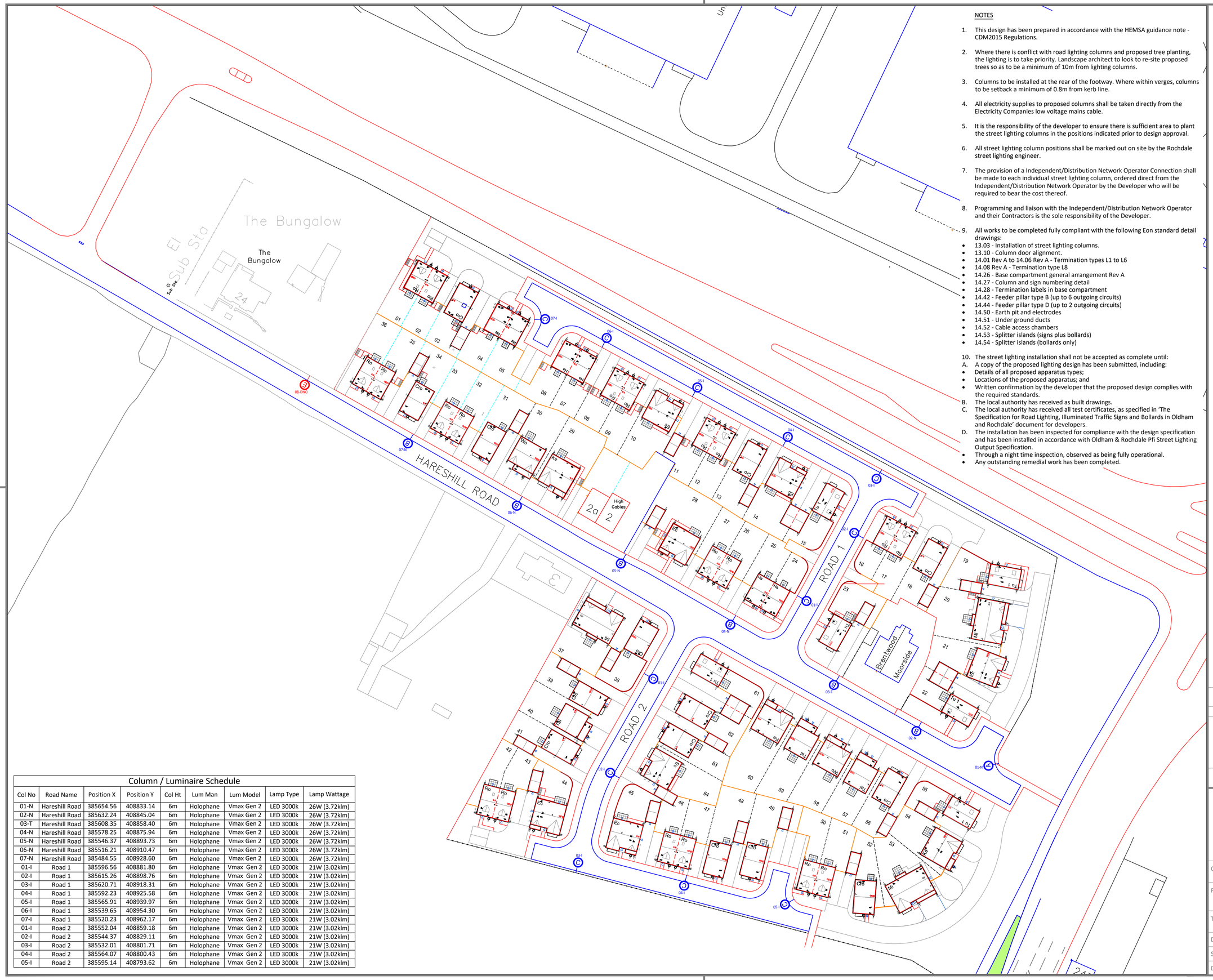
Revisions

Rev	Details	By	Date

DRAWING ISSUED FOR COMMENT

Highways Lighting
lightingdesign@eon-uk.com 0800 0152828

Client	RUSSELLS CONSTRUCTION
Project	HILL TOP (PHASE 6), HEYWOOD
Title	SITE CLEARANCE 1 of 1
Dwg No.	01772-01
Revision	
Scales	1:500 @ A1
Date	08.02.21
Drawn	MK
Checked	SDM
Approved	SDM



NOTES

1. This design has been prepared in accordance with the HEMSA guidance note - CDM2015 Regulations.
2. Where there is conflict with road lighting columns and proposed tree planting, the lighting is to take priority. Landscape architect to look to re-site proposed trees so as to be a minimum of 10m from lighting columns.
3. Columns to be installed at the rear of the footway. Where within verges, columns to be setback a minimum of 0.8m from kerb line.
4. All electricity supplies to proposed columns shall be taken directly from the Electricity Companies low voltage mains cable.
5. It is the responsibility of the developer to ensure there is sufficient area to plant the street lighting columns in the positions indicated prior to design approval.
6. All street lighting column positions shall be marked out on site by the Rochdale street lighting engineer.
7. The provision of a Independent/Distribution Network Operator Connection shall be made to each individual street lighting column, ordered direct from the Independent/Distribution Network Operator by the Developer who will be required to bear the cost thereof.
8. Programming and liaison with the Independent/Distribution Network Operator and their Contractors is the sole responsibility of the Developer.
9. All works to be completed fully compliant with the following Eon standard detail drawings:
   - 13.03 - Installation of street lighting columns.
   - 13.10 - Column door alignment.
   - 14.01 Rev A to 14.06 Rev A - Termination types L1 to L6
   - 14.08 Rev A - Termination type L8
   - 14.26 - Base compartment general arrangement Rev A
   - 14.27 - Column and sign numbering detail
   - 14.28 - Termination labels in base compartment
   - 14.42 - Feeder pillar type B (up to 6 outgoing circuits)
   - 14.44 - Feeder pillar type D (up to 2 outgoing circuits)
   - 14.50 - Earth pit and electrodes
   - 14.51 - Under ground ducts
   - 14.52 - Cable access chambers
   - 14.53 - Splitter islands (signs plus bollards)
   - 14.54 - Splitter islands (bollards only)
10. The street lighting installation shall not be accepted as complete until:
   A. A copy of the proposed lighting design has been submitted, including:
      - Details of all proposed apparatus types;
      - Locations of the proposed apparatus; and
      - Written confirmation by the developer that the proposed design complies with the required standards.
   B. The local authority has received as built drawings.
   C. The local authority has received all test certificates, as specified in 'The Specification for Road Lighting, Illuminated Traffic Signs and Bollards in Oldham and Rochdale' document for developers.
   D. The installation has been inspected for compliance with the design specification and has been installed in accordance with Oldham & Rochdale Pfi Street Lighting Output Specification.
      - Through a night time inspection, observed as being fully operational.
      - Any outstanding remedial work has been completed.

Column / Luminaire Schedule								
Col No	Road Name	Position X	Position Y	Col Ht	Lum Man	Lum Model	Lamp Type	Lamp Wattage
01-N	Hareshill Road	385654.56	408833.14	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
02-N	Hareshill Road	385632.24	408845.04	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
03-T	Hareshill Road	385608.35	408858.40	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
04-N	Hareshill Road	385578.25	408875.94	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
05-N	Hareshill Road	385546.37	408893.73	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
06-N	Hareshill Road	385516.21	408910.47	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
07-N	Hareshill Road	385484.55	408928.60	6m	Holophane	Vmax Gen 2	LED 3000k	26W (3.72klm)
01-I	Road 1	385596.56	408881.80	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
02-I	Road 1	385615.26	408898.76	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
03-I	Road 1	385620.71	408918.31	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
04-I	Road 1	385592.23	408925.58	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
05-I	Road 1	385565.91	408939.97	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
06-I	Road 1	385539.65	408954.30	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
07-I	Road 1	385520.23	408962.17	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
01-I	Road 2	385552.04	408859.18	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
02-I	Road 2	385544.37	408829.11	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
03-I	Road 2	385532.01	408801.71	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
04-I	Road 2	385564.07	408800.43	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)
05-I	Road 2	385595.14	408793.62	6m	Holophane	Vmax Gen 2	LED 3000k	21W (3.02klm)

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LIGHTING KEY

- (A) • 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 Vmax Gen 2 26W 3.72klm 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 Branch Node mounted through a 20mmØ hole, set to switch on at 55lux (1:0.5).
  - Luminaire code - VMX.2.LA043.V1.F4Q1.W026.PT1.T7T.LRD.CL8.L007
  - Valmont Stainton column ref: 1B0601METR10GR
- (B) • 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 Vmax Gen 2 26W 3.72klm LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, incorparating 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 Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire code - VMX.2.LA043.V1.F4Q1.W026.PT1.T7T.LRD.CL8.L007
  - Valmont Stainton column ref: 1B0601METR10GR
- (C) • 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 Vmax Gen 2 21W 3.02klm LED 3000k luminaire (Optic setting: F4Q1), finished in Grey, incorparating 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 Lucy Zodion UniNode 3, set to switch on at 55lux (1:0.5).
  - Luminaire code - VMX.2.LA033.V1.F4Q1.W021.PT1.T7T.LRD.CL8.L007
  - Valmont Stainton column ref: 1B0601METR10GR

1-N • Proposed column number & connection type

N • Proposed Distribution Network Operator Connection via RED ducting to Electricity North West specification, including an ENW approved Tofco Single Phase Double Pole cut-out, having the service cable enter the column via the cable entry slot, through a RED elbow duct to meet ENW specifications.

I • Proposed Independent Distribution Network Operator Connection via RED ducting to Electricity North West specification, including an ENW approved Tofco Single Phase Double Pole cut-out, having the service cable enter the column via the cable entry slot, through a RED elbow duct to meet ENW specifications.

T • Transfer of existing service to new column via RED ducting to ENW specification, including an ENW approved Tofco Single Phase Double Pole cut out, having the service cable enter the column via the cable entry slot, through a RED elbow duct to meet ENW specifications.

DNO • Existing Distribution Network Operator service

(E) • Existing street lighting column to remain.

Revisions

Rev	Details	By	Date

DRAWING ISSUED FOR COMMENT

e·on
Highways Lighting
lightingdesign@eon-uk.com ☎0800 0152828

Client	RUSSELLS CONSTRUCTION
Project	HILL TOP (PHASE 6), HEYWOOD
Title	PROPOSED STREET LIGHTING LOCATIONS 1 of 1
Dwg No.	01772-02
Revision	
Scales	1:500 @ A1
Date	08.02.21
Drawn	MK
Checked	SDM
Approved	SDM