

CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEERING ORGANISATION BEFORE COMMENCEMENT OF ANY STREET LIGHTING INSTALLATION OR REMOVAL WORKS.
 ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING OR REMOVING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSE GS6, ENA 43-8, HSE HGS47, G391 AND ALL RELEVANT HSE REGULATIONS.

DETAILS OF EXISTING STATUTORY UNDERTAKERS PLANT ARE TO BE OBTAINED BY THE CLIENT AND THE CONTRACTOR MAY EXAMINE THESE RECORDS AT THE ENGINEERS OFFICE. ALL WORKS IN THE VICINITY OF ANY OVERHEAD CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE GS8 'AVOIDANCE OF DANGER FROM OVERHEAD LINES' AND ALL WORKS IN THE VICINITY OF UNDERGROUND MAINS OR CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE HGS47 'AVOIDING DANGER FROM UNDERGROUND SERVICES' AND ANY ADDITIONAL REQUIREMENTS SPECIFIED BY THE RELEVANT UNDERTAKER.
 THE CONTRACTOR WILL BE RESPONSIBLE FOR LIAISON WITH THE UNDERTAKERS AND FOR PROGRAMMING THE AGREED PROTECTION AND/OR DIVERSION WORKS TO ANY STATUTORY UNDERTAKERS APPARATUS INTO THE OVERALL WORKS PROGRAMME (THIS IS TO INCLUDE ADJUSTMENT OF STAKS COVERS).
 ANY DAMAGE TO PLANT OR APPARATUS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE OVERSEEING ORGANISATION BY THE DEVELOPER. NO WORKS SHALL BE CONSTRUCTED WITHOUT APPROVAL. IF CARRIED OUT THEN THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK. UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY, THIS DESIGN HAS NOT BEEN SUBMITTED FOR TECHNICAL APPROVAL.

CMS - Central Monitoring System, which is to be supplied by Telematics Wireless.

Confirmation has been gained from yvette.harrison@bouygues-es.co.uk that the local DCU to the this scheme does have capacity for the proposed columns so there will be no need to purchase a DCU.

Client has received a quotation for the supply, installation and commissioning of the required LCU's from Bouygues E&S UK.

Street Lighting Key:

- Lighting Column:**
 Qty 4
 6m Stainton Kent County Council (KCC) coastal specification galvanneal steel lighting column to BS EN 40 requirement
- Luminaire:** CU Phosco P863
Mounting Type: Post top mounted
Manufacturer Ref: P863 128 P4 740 W5 200 28W with 7 pin NEMA socket
Lumen Output: 3.94 km
Luminaire Wattage: 28 w
Charge Code: 42 0028 0000 100
Colour Temperature: 4000K Neutral White
Luminaire Tilt: 0°
Luminous Intensity: G2
Control Gear: As per Kent CC requirements
Control Type: KCC CMS Telematics Wireless node required on lantern, See note in drawing
Dimming Profile: N/A
Supply: DNO electrical supply connection
Primary Isolator: DNO approved isolator
Secondary Isolator: Charles Endirect LS12 Double Pole isolation unit
- Lighting Column:**
 Qty 7
 6m Stainton Kent County Council (KCC) coastal specification galvanneal steel lighting column to BS EN 40 requirement
- Luminaire:** CU Phosco P863
Mounting Type: Post top mounted
Manufacturer Ref: P863 128 P28 740 W5 200 28W with 7 pin NEMA socket
Lumen Output: 3.99 km
Luminaire Wattage: 28 w
Charge Code: 42 0028 0000 100
Colour Temperature: 4000K Neutral White
Luminaire Tilt: 0°
Luminous Intensity: G4
Control Gear: As per Kent CC requirements
Control Type: KCC CMS Telematics Wireless node required on lantern, See note in drawing
Dimming Profile: N/A
Supply: DNO electrical supply connection
Primary Isolator: DNO approved isolator
Secondary Isolator: Charles Endirect LS12 Double Pole isolation unit

- UNIT NUMBERING KEY:**
 NC* Proposed lighting column identification number
 EC* Existing lighting column identification number
- ELECTRICAL CONNECTION TYPE:**
 DNO Proposed Distribution Network Operator electrical supply connection
 DNOT Transfer existing DNO electrical connection
 DNO* Disconnect existing DNO electrical connection
- LIGHTING ISOLUX CONTOUR KEY:**
 1.00 Isolux contour line
 5.00 Isolux contour line
 7.00 Isolux contour line
- EXISTING UTILITIES KEY:**
 --- Underground HV Cable
 --- Overhead BT Lines

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

LIGHTING SCHEME DESIGNED IN ACCORDANCE WITH:
 BS 5489-1:2020 & BS EN 13201-2:2015

SIP RATIO: N/A
 MAINTENANCE FACTOR: 0.77

LIGHTING CLASSIFICATION: C5

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >7.50 LUX
 EMIN/EAV (UNIFORMITY): >0.40 (40%)

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

LIGHTING SCHEME DESIGNED IN ACCORDANCE WITH:
 BS 5489-1:2020 & BS EN 13201-2:2015

SIP RATIO: N/A
 MAINTENANCE FACTOR: 0.77

LIGHTING CLASSIFICATION: P4

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >5.00 LUX <7.50 LUX
 MIN. ILLUMINANCE (EMIN): >1.00 LUX
 EMIN/EAV (UNIFORMITY): >0.20 (20%)

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN 'EMHC-WAR-22-XX-DR-C2001-P03_Location Plan'	23/06/2023	SW

RESIDUAL DESIGN HAZARDS:
 LOCATION OF EXISTING UTILITY SERVICES TO BE DETERMINED ON SITE BY THE CONTRACTOR.
 INSTALLATION WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT STANDARDS INCLUDING BS 7671, G391, HSG47 AND THE INSTITUTION OF LIGHTING PROFESSIONALS GENERAL PUBLICATION 03 (ILP GP03).

- UNDERGROUND HIGH VOLTAGE ELECTRICITY CABLE
- OVERHEAD BT LINES

NOTES:
 ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT KENT COUNTY COUNCIL (KCC) SPECIFICATIONS AND AGREEMENTS.
 CONTRACTOR TO CONFIRM POSITION OF STATUTORY UNDERTAKERS PLANT BEFORE COMMENCEMENT OF THE WORKS.
 DURING WORKS ALL TRAFFIC MANAGEMENT TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
 PROPOSED LIGHTING COLUMNS ARE TO BE LOCATED TO THE REAR OF THE FOOTPATH WHEREVER POSSIBLE OR A MINIMUM OF 1000mm SETBACK FROM FRONT KERB EDGING.
 ANY EXISTING OR PROPOSED TREES ARE TO BE CUTBACK, REMOVED OR RELOCATED TO AVOID INTERFERENCE WITH THE STREET LIGHTING LUMINAIRE OR PREVENT ANY FUTURE MAINTENANCE.
 IF THE AUTHORITY OR CONTRACTOR EXPERIENCE ANY PART DISCREPANCY BETWEEN THIS DRAWING OR ANY OF THE DOCUMENTS RELATING TO THIS SITE THE AUTHORITY OR CONTRACTOR MUST CONTACT THE LIGHTING DESIGNER FOR CLARIFICATION.
 UNIT NUMBERS SHOWN ARE FOR DESIGN IDENTIFICATION PURPOSES ONLY. FINAL COLUMN NUMBERING SHALL BE AGREED WITH THE OVERSEEING ORGANISATION.

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Project title	
EDENBRIDGE MEMORIAL HEALTH CARE	
Drawing title	
S278 STREET LIGHTING DESIGN SHEET 1 OF 2	
Prepared by SW	Checked by HC
Scale 1:250 @ A1	Date 23/06/2023
Drawing Number MMA18049/001	Revision Details R0

