

 $V_S = 230 \text{volts}$

1 - Phase 50Hz

Ze = 0.35 ohms

Load = 0.60 KVA

cct-4 10A 0.6A

M9 TYPE C

M.C.B.'s

Values Calculated for Ve & Zs using R1 + R2 of Circuit cable length at Column No cognisance of the Earth Electrode has been

NOTES:

LIGHTING ENGINEER

FIFE COUNCIL.

ADOPTABLE AREAS.

ALL WORK TO BE CARRIED OUT TO FIFE COUNCIL'S ASSETS, TRANSPORTATION AND ENVIRONMENT SERVICES LIGHTING

ALL CABLES TO BE LAID IN 100mm Dia PLIABLE CORRUGATED PURPLE COLOURED CONDUIT. PCC TO HAVE 450mm COVER ON FOOTPATHS AND 750mm COVER UNDER CARRIAGEWAYS. PCC UNDER CARRIAGE WAYS TO HAVE CONCRETE SURROUNDS.

TRENCHES TO BE INSPECTED PRIOR TO BACK FILLING. THE LOCATIONS SHOWN FOR THE COLUMNS ARE APPROXIMATE

LIGHTING ENGINEER BEFORE INSTALLATION COMMENCES. ALL COLUMNS MUST BE INSTALLED AT THE REAR OF FOOTWAYS / FOOTPATHS / SERVICE STRIPS WITH DOORS FACING AWAY FROM ONCOMING TRAFFIC UNLESS INDICATED BY THE LOCAL COUNCIL

AND SHOULD BE CONFIRMED ON SITE WITH FIFE COUNCIL'S ASSETS, TRANSPORTATION AND ENVIRONMENT SERVICES STREET

ALTERATIONS TO, DISCONNECTION OF OR CONNECTION TO EXISTING COLUMNS / CABLES WILL BE SUPERVISED DIRECTLY BY

ANY MATERIALS USED MUST BE GIVEN WRITTEN APPROVAL BY THE 'HEAD OF ASSETS, TRANSPORTATION AND ENVIRONMENTAL SERVICES' BEFORE INSTALLATION COMMENCES.

THE STREET LIGHTING DESIGN IS ONLY VALID FOR THE PLOT BOUNDARY AND HOUSE DETAILS SHOWN ON THE DRAWING.

ALL STREET LIGHTING FURNITURE TO BE INSTALLED WITHIN THE

ACCESS TO INDIVIDUAL PROPERTIES TO BE MAINTAINED AT ALL

THE ELECTRICAL INSTALLATION TO COMPLY WITH B.S. 7671: 2018, THE 18th EDITION I.E.T. WIRING REGULATIONS.

THE CONTRACTOR SHALL ALSO LIAISE WITH SCOTTISH POWER REGARDING THE SERVICING OF THE PROPOSED SUPPLY PILLARS

THE NEW LIGHTING SYSTEM SHOULD INCORPORATE AN ON SITE PROGRAMMABLE DIMMING SYSTEM AND COMPLY AS FOLLOWS: RESIDENTIAL AREAS - 1 stage 2200 dimmed to 70%

0500 back to full OUTPUT IF LIGHTING LUMINAIRES OTHER THAN AS SPECIFIED ARE INSTALLED BY THE INSTALLATION CONTACTOR THEN THE INSTALLATION CONTRACTOR WILL ASSUME LIGHTING DESIGNERS

- LIGHTING LEGEND
- Repositioned Lighting column
- Proposed 6m Aluminium Alloy [FC 6 P/T] post-top column and an ORANGETEK IGNIS mini Plus - 24 LEDs, V20, 4000K, 0108mA, Opt2 _16W_CLO_NW [Umsug code 42 0016 0000 100] Post-mounted (complete with Top Cover) Lantern [inclined @
- Proposed 6m Aluminium Alloy [FC 6 P/T] post-top column and an ORANGETEK IGNIS mini Plus - 24 LEDs, V20, 4000K, 0108mA, Opt2 _16W_CLO_NW [Umsug code 42 0016 0000 100] Post-mounted (complete with Top Cover) Lantern [inclined @ 0°] c/w Tofco FRC Type 'A' cut-out
- Proposed 6m Aluminium Alloy Raise & Lower post-top Lighting Column [FC R&L] and an ORANGETEK IGNIS mini Plus - 24 LEDs, V20, 4000K, 0108mA, Opt2_16W_CLO

Columns 1, 2, 3, 4, 5, 6, 7, 8, 9, 12, 17, 18, 19, 30, 31 & 32 to be installed in 600mm x 600mm

hard standings and agreed with Fife Council

[inclined @ 0°] c/w Tofco FRC Type 'A' cut-out

- Indicative position of Previously Proposed Earth Electrode to be retained
- Proposed 10sqmm 3 core PVC/SWA/PVC Purple Sheath cable (Brown, Blue, Yellow /Green Conductors) in 100mm diameter Purple P.C.C. duct depth to invert 550mm
 - and Photo-Cell Column
- Indicative route of Existing cables to be isolated before being disconnected and removed: — —//— — No guarantee is given regarding their accuracy
- Road crossing depth to invert 750mm

NOTES: ASPECT LIGHTING DESIGN LTD RELINQUISHES ANY RESPONSIBILITY REGARDING THE PROCUREMENT, PROGRAMME, DELIVERY OF THE WORKS ON THE GROUND AND NEGOTIATION OF SERVITUDE RIGHTS, OR FOR THE INSTALLATION / TEST PROCEDURES CARRIED OUT BY OTHERS

IF LIGHTING LUMINAIRES OTHER THAN AS SPECIFIED ARE INSTALLED THEN THIS DRAWING WILL BE REMOVED FROM THE R.C.C. APPLICATION AND THE CONTRACTOR WILL ASSUME LIGHTING DESIGNERS LIABILITIES

| All materials must meet with the Local Authorities Material Specification and Approval before Installation Work commences.

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Indicative position of Existing Street Lighting Column to be retained

Indicative position of Previously Proposed / Existing Street Lighting Column to be isolated before being disconnected and repositioned

Indicative position of Previously Proposed / Existing Street Lighting Column to have the Lantern Circuit isolated before removing the Previously Proposed / Existing Lantern and having a Two Part photo-electric control unit for group control factory fitted

0°], Two Part photo-electric control unit for group control c/w *Tofco* FRC Type 'A'

_NW [Umsug code 42 0016 0000 100] Post-mounted (complete with Top Cover) Lantern

Proposed Distribution Pillar (*Tofco* FP-32/3/HDGPG) with 1-Phase distribution panel (*Tofco* YA - FRC/1) to Local Authority specification

Indicative position of Previously Proposed / Existing Distribution Pillar to be retained

Proposed Earth Electrode in plastic inspection pit

Proposed 2.5mm² 4 - core PVC/SWA/PVC Purple Sheath cable between distribution pillar

Indicative route of Existing cables to be retained: No guarantee is given regarding their

CHECKED BY 1 : 500 @ A0

PROJECT TITLE

DRAWING NUMBER ALD.38.74 Sheet-2

DESCRIPTION DRWN CHKD DATE

ASPECT LIGHTING DESIGN.Co.UK.LTD

P.O. Box 14894

Falkirk FK1 2ZB

Phone: 01324 - 630940 E-mail: technical@aspectlightingdesign.co.uk

EnvironmentalConsultants 📬

Unit 6 Alderstone Business Park Livingstone EH54 7DF

Telephone 01506 407670

www.bellway.co.uk

PRD ROTHES MILL

GLENROTHES

ADOPTABLE STREET LIGHTING

111 McDonald Road, EDINBURGH, EH7 4NW 0131 550 6500 | mail@ironsidefarrar.com EDINBURGH | BELLSHILL | MANCHESTER

HEALTH AND SAFETY NOTES FOR CONSTRUCTION 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE HEALTH AND SAFETY AT WORK ACT (1974) AND THE HEALTH AND SAFETY PLAN. 2. TRENCH EXCAVATIONS IN EXCESS OF 1.2m DEEP TO HAVE

a) SLOPING BATTERED SIDES NOT GREATER THAN THE NATURAL REPOSE OF THE PARTICULAR SOIL TYPE OR b) BENCHING IN 1m INCREMENTS OR c) ADEQUATELY DESIGNED TEMPORARY WORKS, SHORING AND SHUTTERING.

SERVICES HAVE BEEN LOCATED BY HAND EXCAVATION PRIOR TO ANY MECHANICAL EXCAVATION IS UNDERTAKEN. 4. ALL OPEN EXCAVATIONS TO HAVE EDGE PROTECTION AND SAFE ACCESS AND EGRESS TO AND FROM EXCAVATIONS. 5. ALL EXCAVATIONS MUST BE MAINTAINED FREE FROM WATER.

3. THE CONTRACTOR MUST BE SATISFIED THAT ALL UNDERGROUND

 $V_S = 230 \text{volts}$

1 - Phase 50Hz

Ze = 0.35 ohmsLoad = 0.32 KVA

OF THE SOIL AND LIMIT THE POSSIBILITY OF EXCAVATED FACES COLLAPSING. 7. ALL MOBILE PLANT IS TO BE ADEQUATELY SUPERVISED BY THE CONTRACTOR AND A COMPETENT BANKSMAN USED AT ALL TIMES.

6. ALL EXCAVATED MATERIAL TO BE STOCKPILED AT A SUITABLE

DISTANCE FROM THE EDGE OF THE TRENCH TO PREVENT SURCHARGE

8. THE CONTRACTOR MUST PROVIDE SUITABLE PROTECTION AND MAKE PROVISION FOR ADEQUATE TRAFFIC MANAGEMENT FOR WORKS NEAR OR WITHIN EXISTING HIGHWAYS. 9. THE CONTRACTOR MUST ENSURE THAT ALL WORKING HEIGHT

COMPLIED WITH.

OF ALL EXISTING PUBLIC UTILITIES

10. THE SITE AND WORKPLACE IS TO BE SECURED AT ALL TIMES AND ACCESS TO THE SITE IS FOR AUTHORISED PERSONNEL ONLY. 11. PRIOR TO COMMENCING ANY WORKS ON SITE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK THE LOCATION

RESTRICTIONS IN THE VICINITY OF OVERHEAD POWER LINES ARE