

Equipment Maintenance

Inspections

All Illuminated Bollards should be inspected on a regular basis during the hours of darkness. Investigation of outages should be carried out the next day and repairs prioritised with regard to risk.

The street lighting team should communicate reports from the public of street lighting equipment outages to the contractor as above for investigation and repair.

Routine Maintenance

Routine maintenance of the street lighting asset includes the following works:

Where manufacturer guarantees exceed this period or with new technologies, such as LED Lamps or Lanterns, these will be changed as required.

Full electrical insulation and earth impedance tests to be undertaken **every six years**.

A visual examination of all Street Lighting Columns and Illuminated Bollards will be required at each Lamp or Lantern change or clean.



The design of the installation on the Remote Footpaths is to BS5489-1:2020 Illuminance Category P5 to take cognisance of the Local Environment .

NOTES :

THIS INSTALLATION SHALL COMPLY WITH B.S. 7671 : 2018 THE 18th EDITION OF THE I.E.T. WIRING REGULATIONS

THE INSTALLATION HAS BEEN DESIGNED TO COMPLY WITH BS5489-1:2020 ILLUMINANCE CLASS P4 DESIGN CRITERIA

ALL COLUMNS MUST BE INSTALLED AT THE REAR OF FOOTWAYS / FOOTPATHS / SERVICE STRIPS WITH DOORS FACING AWAY FROM ONCOMING TRAFFIC

ALL UNDERGROUND ROAD LIGHTING CABLES TO BE DRAWN IN 60mm Dia PURPLE COLOURED PVC FLEXI DUCT

CABLE ENDS TO BE TERMINATED IN COLUMNS WITH A 6A. FUSE TO B.S.88 DOUBLE - POLE FUSED CUT-OUT

WHERE AN UNDERGROUND CABLE LOOP IS TERMINATED THE EARTH CONDUCTOR AND THE CABLES 'S.W.A.' SHALL BE LINKED WITH A 10 sqmm (TRI-RATED) EARTH CONTINUITY CONDUCTOR TO B.S. 6231

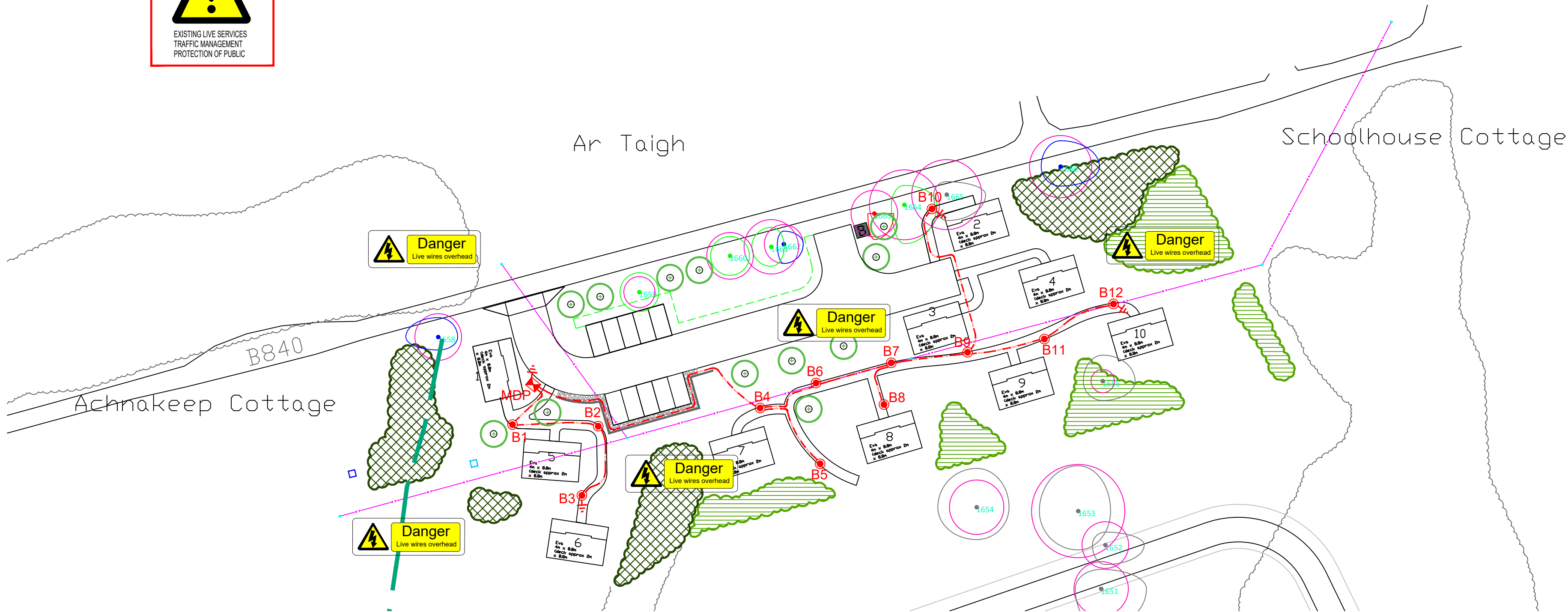
IF LIGHTING LUMINAIRES OTHER THAN AS SPECIFIED ARE INSTALLED BY THE INSTALLATION CONTRACTOR THEN THE INSTALLATION CONTRACTOR WILL ASSUME LIGHTING DESIGNERS LIABILITIES

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 THE CONTRACTOR WILL ASSUME LIGHTING DESIGNERS LIABILITIES

All materials must be cross referenced with the Manufacturers Material Specification before materials are ordered and Installation Work commences.

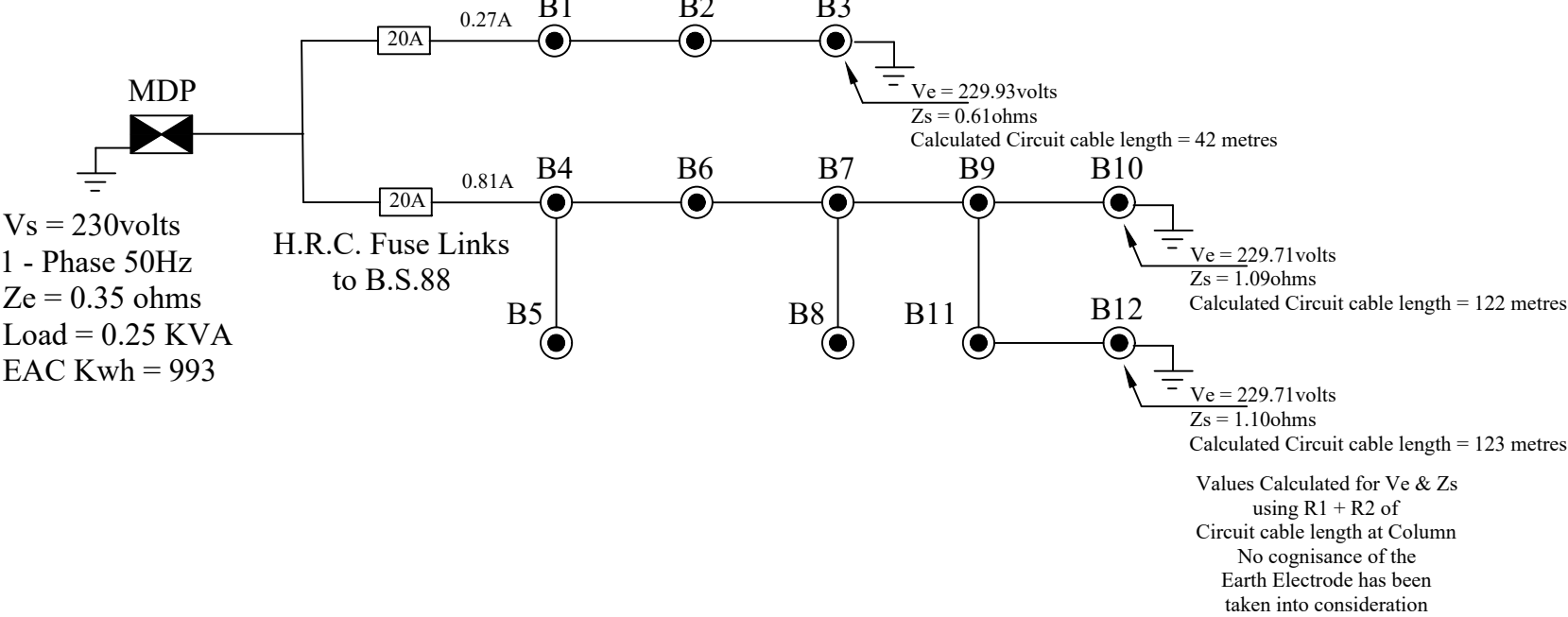
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HEALTH AND SAFETY NOTES FOR CONSTRUCTION

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE HEALTH AND SAFETY AT WORK ACT (1974) AND THE HEALTH AND SAFETY PLAN.
- TRENCH EXCAVATIONS IN EXCESS OF 1.2m DEEP TO HAVE
 - SLOPING BATTERED SIDES NOT GREATER THAN THE NATURAL REPOSE OF THE PARTICULAR SOIL TYPE OR
 - BENCHING IN 1m INCREMENTS OR
 - ADEQUATELY DESIGNED TEMPORARY WORKS, SHORING AND SHUTTERING.
- THE CONTRACTOR MUST BE SATISFIED THAT ALL UNDERGROUND SERVICES HAVE BEEN LOCATED BY HAND EXCAVATION PRIOR TO ANY MECHANICAL EXCAVATION IS UNDERTAKEN.
- ALL OPEN EXCAVATIONS TO HAVE EDGE PROTECTION AND SAFE ACCESS AND EGRESS TO AND FROM EXCAVATIONS.
- ALL EXCAVATIONS MUST BE MAINTAINED FREE FROM WATER.
- ALL EXCAVATED MATERIAL TO BE STOCKPILED AT A SUITABLE DISTANCE FROM THE EDGE OF THE TRENCH TO PREVENT SURCHARGE OF THE SOIL AND LIMIT THE POSSIBILITY OF EXCAVATED FACES COLLAPSING.
- ALL MOBILE PLANT IS TO BE ADEQUATELY SUPERVISED BY THE CONTRACTOR AND A COMPETENT BANKSMAN USED AT ALL TIMES.
- THE CONTRACTOR MUST PROVIDE SUITABLE PROTECTION AND MAKE PROVISION FOR ADEQUATE TRAFFIC MANAGEMENT FOR WORKS NEAR OR WITHIN EXISTING HIGHWAYS.
- THE CONTRACTOR MUST ENSURE THAT ALL WORKING HEIGHT RESTRICTIONS IN THE VICINITY OF OVERHEAD POWER LINES ARE COMPLIED WITH.
- THE SITE AND WORKPLACE IS TO BE SECURED AT ALL TIMES AND ACCESS TO THE SITE IS FOR AUTHORISED PERSONNEL ONLY.
- PRIOR TO COMMENCING ANY WORKS ON SITE IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK THE LOCATION OF ALL EXISTING PUBLIC UTILITIES

ELECTRICAL SCHEMATIC



LIGHTING LEGEND

- PROPOSED ORANGETEK BARTON Barton 6 BL18 3.0_80_350_1313 (900mm) BOLLARD, (UMSUG CODE 42 0020 0000 100) COMPLETE WITH A DOUBLE POLE FUSED SERVICE CUT-OUT WITH 6 AMP FUSE
- PROPOSED MINI DISTRIBUTION PILLAR (LUCY FORTRESS 4816-HDG-3-SL) COMPLETE WITH SOLAR TIME SWITCH, ELECTRICITY METER (BY OTHERS) AND B.S.48 FUSES
- PROPOSED EARTH MAT (LATTICE TYPE 600 X 600 X 3mm)
- PROPOSED 6mm² PVC SWA/PVC 3-CORE CABLE (BROWN, BLUE & YELLOW/GREEN) WITH VIOLET SHEATHIN 60mm DIAMETER POLYPROPYLENE PURPLE COLOURED TWIN WALLED, SMOOTH BORE DUCT LAID IN GROUND AT A DEPTH OF 500mm BELOW FINAL FOOTPATH / SERVICE STRIP LEVEL

REV	DESCRIPTION	DRWN	CHKD	DATE
A	LIGHTING COLUMNS REMOVED AS PER LOCAL AUTHORITIES COMMENTS	A.L.D.		14/05/26

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PROJECT TITLE
Holiday Pods, Portsonachan,
Loch Awe, Argyll and Bute

DRAWING TITLE		
PRIVATE LIGHTING LAYOUT		
DRAWN BY A.L.D.	CHECKED BY	DATE 03/04/26
SCALES 1 : 500 @ A1		
DRAWING NUMBER ALD.44.25	REVISION A	