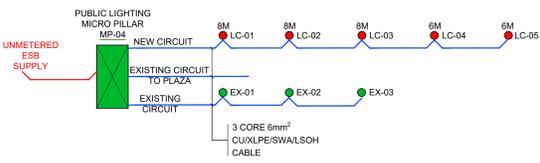
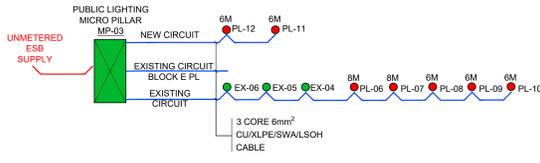


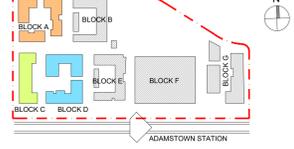
EXISTING MICROPILLAR MP-04 SCHEMATIC



EXISTING MICROPILLAR MP-03 SCHEMATIC



KEYPLAN ADAMSTOWN STATION BLOCKS ACD



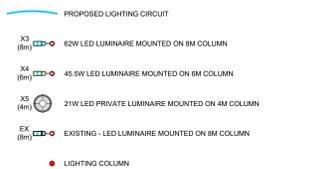
PUBLIC LIGHTING INSTALLATION NOTES

- 1.00 THIS DRAWING NEEDS TO BE REVIEWED IN CONJUNCTION WITH THE IN2 LUMINAIRE SCHEDULE.
- 2.00 LIGHTING COLUMNS TO BE CONSTRUCTED OF TUBULAR OR OCTAGONAL STEEL WITH A FLAT STEEL DOOR WITH A MINIMUM WALL THICKNESS OF 3mm AND TO BE HOT DIPPED GALVANISED TO BS EN 1461 AS PER SDOCC LIGHTING SPECIFICATION.
- 3.00 ALL CABLEING TO EXTERNAL LIGHTING LOCATIONS TO BE WIRED WITH NYCYV CABLE TO DR VDE 0276/63 (0.6/1KV), SUITABLY SIZED, STEEL WIRED ARMOUR (SWA) IS NOT ACCEPTED AS SHALL BE AS PER SDOCC PUBLIC LIGHTING SECTION REV. 20016 CONTAINED IN SINGLE WALLED, COLOUR RED, H.D.P.E. DUCTS, WHICH SHALL BE 107mm OUTER DIAMETER WITH A WALL THICKNESS OF 5mm.
- 4.00 ALL IN-GROUND WIRE DUCTS TO BE INSTALLED BY THE MAIN CONTRACTOR UNDER THE COORDINATION OF THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL SUBMIT THE INSPECTION APPLICATION CHECK LIST DESCRIBED IN SDOCC SPECIFICATION APPENDIX C.
- 5.00 ALL IN-GROUND WIRE DUCTS SHALL BE MARKED WITH ELECTRICAL MARKING TAPE AT 300mm BELOW FINISHED GROUND LEVEL. THE DUCTS MUST HAVE THE WORDS "PUBLIC LIGHTING" STAMPED AT 1 METER INTERVALS.
- 6.00 THE LUMINAIRE WILL BE INDIVIDUALLY SWITCHED VIA A 5P/1P NEMA SOCKET, WITH ALL COMMUNICATION AND POWER CONNECTIONS MADE AT THE TIME OF ASSEMBLY BY THE MANUFACTURER, AS PER SDOCC SPECIFICATION.
- 7.00 ALL OUTGOING CIRCUITS SHALL BE INDIVIDUALLY FUSED BY MEANS OF A 20A HRC CUT-OUT TYPE & CAPABLE OF ACCOMMODATING CABLE SIZES UP TO 30mm². THESE FUSES SHALL BE RATED 15A MINIMUM RUP/TURPING CAPACITY & SHALL COMPLY WITH BS8881RC.
- 8.00 THE DETAILED CABLE DESIGN SHALL BE UNDERTAKEN TO MATCH THE CALCULATED ELECTRICAL LOAD WHICH WOULD TYPICALLY ALLOW BETWEEN 4 AND 8 FITTINGS TO BE SUPPLIED PER PHASE.
- 9.00 THE CONTRACTOR SHALL NOTE THAT NO EXISTING PUBLIC LIGHTS CAN BE REMOVED WITHOUT THE PERMISSION & APPROVAL OF PUBLIC LIGHTING SERVICES.
- 10.00 THE CONTRACTOR SHALL CONTACT PUBLIC LIGHTING SERVICES AT LEAST 6 WEEKS IN ADVANCE OF WORKS STARTING ON SITE, TO FIND OUT WHAT IS REQUIRED TO BE DONE TO EXISTING PUBLIC LIGHTING THAT IS WITHIN THE SITE BOUNDARY.
- 11.00 WHERE PUBLIC LIGHTS ARE TO REMAIN IN USE, THEN THE PUBLIC LIGHTING MUST BE MAINTAINED BY THE CONTRACTOR IN AN OPERATING CONDITION THROUGHOUT THE DEVELOPMENT PERIOD.
- 12.00 COLUMNS LOCATED IN AREAS INACCESSIBLE TO STANDARD MAINTENANCE EQUIPMENT MUST BE BASE-ANGLER COLUMNS AS PER SDOCC SPECIFICATIONS.

PRIVATE LIGHTING INSTALLATION NOTES

- 1.00 LIGHTING COLUMNS TO BE CONSTRUCTED OF TUBULAR OR OCTAGONAL STEEL WITH A FLAT STEEL DOOR WITH A MINIMUM WALL THICKNESS OF 3mm AND TO BE HOT DIPPED GALVANISED TO BS EN 1461.
- 2.00 ALL CABLEING TO PRIVATE EXTERNAL LIGHTING LOCATIONS TO BE WIRED UNDER IN2 SPECIFICATION.
- 3.00 ALL IN-GROUND WIRE DUCTS TO BE INSTALLED BY THE MAIN CONTRACTOR UNDER THE COORDINATION OF THE ELECTRICAL CONTRACTOR AND SHALL BE MARKED WITH ELECTRICAL MARKING TAPE AT 300mm BELOW FINISHED GROUND LEVEL.
- 4.00 THE ELECTRICAL CONTRACTOR SHALL, PRIOR TO THE INSTALLATION, VERIFY THE CAPACITY OF THE IN-GROUND DUCT NETWORK TO THE MAIN CONTRACTOR.
- 5.00 LIGHTING TO BE SUPPLIED VIA A SOLAR TIME CLOCK WITH EACH PUBLIC LIGHTING MAIN PILLAR.
- 6.00 ALL OUTGOING CIRCUITS SHALL BE INDIVIDUALLY FUSED BY MEANS OF A 20A HRC CUT-OUT TYPE & CAPABLE OF ACCOMMODATING CABLE SIZES UP TO 30mm². THESE FUSES SHALL BE RATED 15A MINIMUM RUP/TURPING CAPACITY & SHALL COMPLY WITH BS8881RC.
- 7.00 THE DETAILED CABLE DESIGN SHALL BE UNDERTAKEN TO MATCH THE CALCULATED ELECTRICAL LOAD WHICH WOULD TYPICALLY ALLOW BETWEEN 4 AND 8 FITTINGS TO BE SUPPLIED PER PHASE.
- 8.00 PRIVATE LIGHTING IS TO BE BACKED UP BY GENERATOR. THE CONTRACTOR MUST ENSURE THAT THE CABLEING USED FOR PRIVATE LUMINAIRES SUPPLIED FROM THE GENERATOR ARE FIRE RESISTANT AND IN ACCORDANCE WITH THE IN2 LV SCHEMATICS.

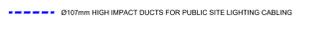
SITE LIGHTING REFERENCE KEY



EXISTING ELECTRICAL SITE DUCTING REFERENCE KEY



ELECTRICAL SITE DUCTING REFERENCE KEY



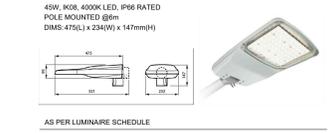
LUX LEVEL ISOLINES REFERENCE KEY



REF: 'X3' LUMINAIRE



REF: 'X4' LUMINAIRE



REF: 'X5' LUMINAIRE (PRIVATE)

