LEGEND

SITE BOUNDARY

LEGEND

?? LIGHTING COLUMN INSTALLED BY MAIN CONTRACTOR

DRAW PIT BY MAIN CONTRACTOR

COLUMN PROTECTION

100mm LIGHTING DUCT @ 500mm BFFL

NOTES

1. BUILDING MOUNTED LIGHTING TO BE INSTALLED BY SHOPFITTERS

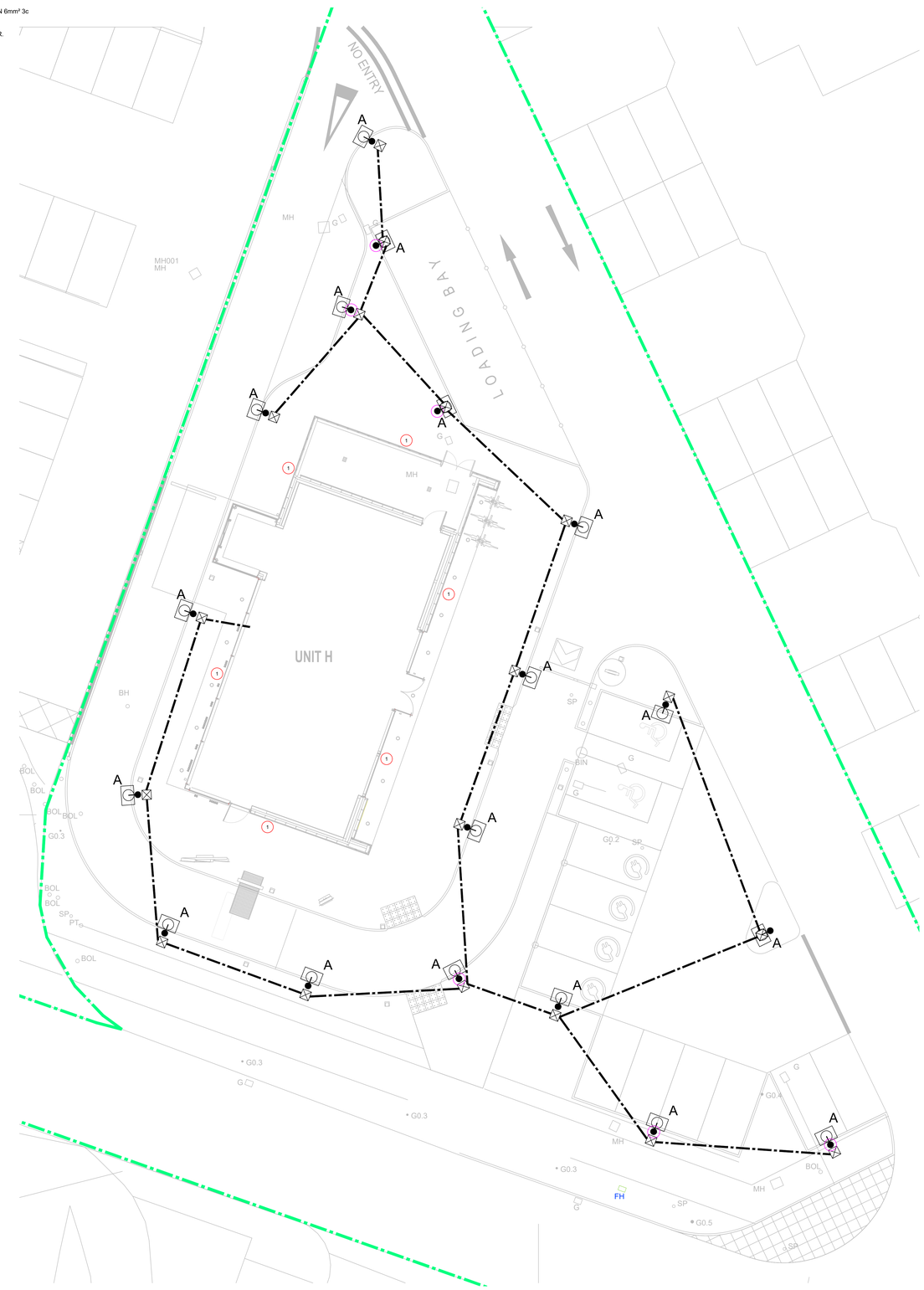
 ALL EXTERNAL LIGHTING CIRCUITS ON COLUMNS TO BE WIRED IN 6mm² 3c PVC/SWA/LSF

 ALL CABLING BY MAIN CONTRACTOR / ELECTRICAL CONTRACTOR.

FITTINGS TABLE

REFERENCE	QTY	CATALOGUE NUMBER	DESCRIPTION	LAMP	LUMENS PER Watt	WATTAGE	HEIGHT
A	18	DEXTRA OPUCL L44 OA LUMINAIRE NAME : OPUS COLUMN	OPUCL L44 OA BOLLARD / POLE MOUNTED LUMINAIRES OPUS COLUMN OPUS COLUMN - IP65 COLUMN TOP MOUNTED OPEN AREA LUMINAIRE, MATT GREY WEATHER RESISTANT AND SALT SPRAY TESTED PAINT FINISH. ALUMINIUM HOUSING AND POLYCARBONATE FRONT COVER. INTEGRAL COLUMN SPIGOT FIXING MECHANISM INCLUDED AND SUPPLIED WITH 10M PREWIRED FLEX TO FACILITATE INSTALLATION.	LED	149.52	25.1	4m

AREA	AVG LUX LEVEL	UNIFORMITY Uo	UNIFORMITY Ud
PLOT	36.5Lx	0.32	0.17



GENERAL NOTES

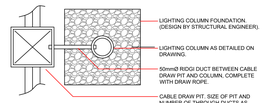
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ASSOCIATED SERVICES DRAWINGS, ARCHITECTS AND STRUCTURAL DRAWINGS TOGETHER WITH THE SCHEMATIC DRAWINGS AND ALL MECHANICAL, ELECTRICAL AND OTHER RELEVANT SPECIFICATIONS.
2. ALL SERVICES INSTALLATIONS SHALL BE CO-ORDINATED AND FULLY INTEGRATED WITH THE MECHANICAL AND ELECTRICAL SERVICES, ARCHITECTURAL FEATURES, SPECIALIST PLANT AND STRUCTURAL ELEMENTS.
3. THE SERVICES CONTRACTORS SHALL FAMILIARISE THEMSELVES WITH THE MECHANICAL AND ELECTRICAL SERVICES, ARCHITECTURAL FEATURES, SPECIALIST PLANT AND STRUCTURAL ELEMENTS.
4. THE INSTALLING SUB-CONTRACTOR SHALL ISSUE FULL 'WORKING DRAWINGS' IN LINE WITH THE SPECIFICATION PROVIDED. THE 'WORKING DRAWINGS' SHALL BE ISSUED TO ALL DESIGN TEAM MEMBERS FOR THEIR COMMENT PRIOR TO INSTALLATION. THE INSTALLATION AND CO-ORDINATION OF SERVICES WITH OTHER SERVICES, THIRD PARTY SUPPLIERS AND THE BUILDING FABRIC IS THE RESPONSIBILITY OF THE INSTALLING SUB-CONTRACTOR.

BELOW GROUND WORKS NOTES

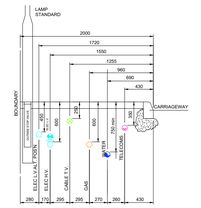
1. BEFORE ANY EXCAVATION ON AND AROUND THE SITE IS UNDERTAKEN AN EXCAVATION PLAN IS TO BE UNDERTAKEN, THIS MUST BE COMPLETE WITH CAT / UNDERGROUND SONAR SCANS TO LOCATE ANY EXISTING SERVICES. THE EXCAVATION PLAN MUST FOLLOW THE GUIDANCE AS SET OUT IN HSG47 (AVOIDING DANGER FROM UNDERGROUND SERVICES) AS A MINIMUM.
2. ON THE DISCOVERY OF ANY BELOW GROUND SERVICES ONLY HAND DIGGING ON OR AROUND THE AREA WITH EXTREME CAUTION IS PERMITTED. THIS IS TO ALLOW FULL EXPOSE OF THE SERVICE FOR FURTHER INVESTIGATION BY THE RELEVANT AUTHORIZED PERSONAL. ALL OTHER EXCAVATIONS SHALL CEASE.
3. WHEN WORKING ON OR AROUND AN AREA OF KNOWN BURIED SERVICES CONSULTATION WITH UTILITIES COMPANIES IS TO BE UNDERTAKEN BEFORE ANY WORKS ARE STARTED, ALONG WITH A DYNAMIC RISK ASSESSMENT COMPLETED BY THE CONTRACTOR.

EXTERNAL SERVICES BUILDERS WORK NOTES

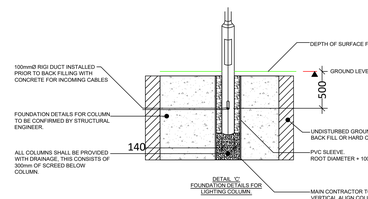
1. ALL CABLE PITS SHALL BE CONSTRUCTED SO AS TO PREVENT INGRESS OF WATER, WITH ALL LIDS BEEN SEALED BUT REMOVABLE.
2. ALL DUCTS SHALL COME WITH SWEPT BENDS AND TIED ROPE DRAW WIRES SUITABLY FIXED AT EITHER END FOR INSTALLATION BY OTHERS. ALL DUCTS SHALL BE CONFIRMED AS CLEAR BY THE MAIN CONTRACTOR BEFORE ANY CABLES ARE INSTALLED.
3. ALL CABLE DUCTS ARE TO BE 100mmØ ID UNLESS STATED OTHERWISE.
4. DRAW PITS TO BE PAC 3 STANDARD UNLESS NOTED OTHERWISE ACCESSIBLE FROM THE SURFACE LEVEL FOR CABLE INSTALLATION.
5. ANY DEVIANCE TO THE PROPOSED DUCTING ROUTES TO BE IDENTIFIED AND PROVIDED TO THE ELECTRICAL CONTRACTOR TO VERIFY ADDITIONAL CABLE LENGTHS.
6. ALL PENETRATIONS THROUGH THE BUILDING FABRIC OR FLOOR SHALL BE FULLY AND NEATLY SEALED AT BOTH ENDS, TO PROVIDE SEALS AGAINST WATER AND VERMIN.
7. CABLE PITS THAT ARE IN SPECIALIST TREATED AREAS ARE TO HAVE LIDS THAT ALLOW THE MATCHING OF THE SURFACE TREATMENT. THIS IS NOT ALLOWED FOR IN AREAS THAT ARE FINISHED IN TARMAC OR SOFT DIG AREAS.
8. ALL DRAW PITS ARE TO BE INSTALLED TO SUIT THE RESPECTIVE AREA AND VEHICULAR MOVEMENT. EITHER NAL OR STACKABOXES TWIN WALLED PLASTIC PERFORMED SEGMENTS SYSTEMS WITH A CLASS C250 COVERS WHERE THEY ARE SITUATED IN AREAS LIKELY TO BE SUBJECT TO TRAFFIC LOADING ARE TO BE USED.
9. IN GENERAL LIGHTING COLUMNS SHALL BE ROOT MOUNTED AND SHALL BE CAST INTO A SUITABLE CONCRETE BASE, COMPLETE WITH DEDICATED CABLE DUCTS BACK TO A LOCAL CABLE PIT.
10. CHANGES OF GRADIENT SHALL BE UNDERTAKEN ALONG THE DUCT LENGTH, AND NOT AT THE CABLE PIT LOCATIONS.



EXTERNAL LIGHTING COLUMN CABLE PIT DETAIL



DETAIL 'B'
NATIONAL JOINT UTILITIES GROUP (NJUG) POSITIONING OF UTILITIES
MAINS IN 2m FOOTWAY



DETAIL 'C'
FOUNDATION DETAILS FOR LIGHTING COLUMN.

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SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

Refer to the DDA Ltd project specific risk assessment and design criteria for the M&E services installation. The installing contractor must prepare method statements for the installation works and agree all works in advance with the main contractor.

It is assumed that all works associated with this drawing will be carried out by competent operatives working, where appropriate, to an approved method.

NOTES

Rev	Date	Description	Eng
-	xx/xx/xx	-	-

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Client

Project
NEW STARBUCKS
DRIVE THRU
ROCHDALE

Drawing Title
PROPOSED DRIVE THRU
EXTERNAL LIGHTING

Scale at A0 1:200	Date 25/10/24
Drawn P.BADMINTON	Engineer P.BADMINTON
Status INFORMATION	Checked P.BADMINTON
Drawing No. 24/4689/E63-EX02	Rev -

Do not scale