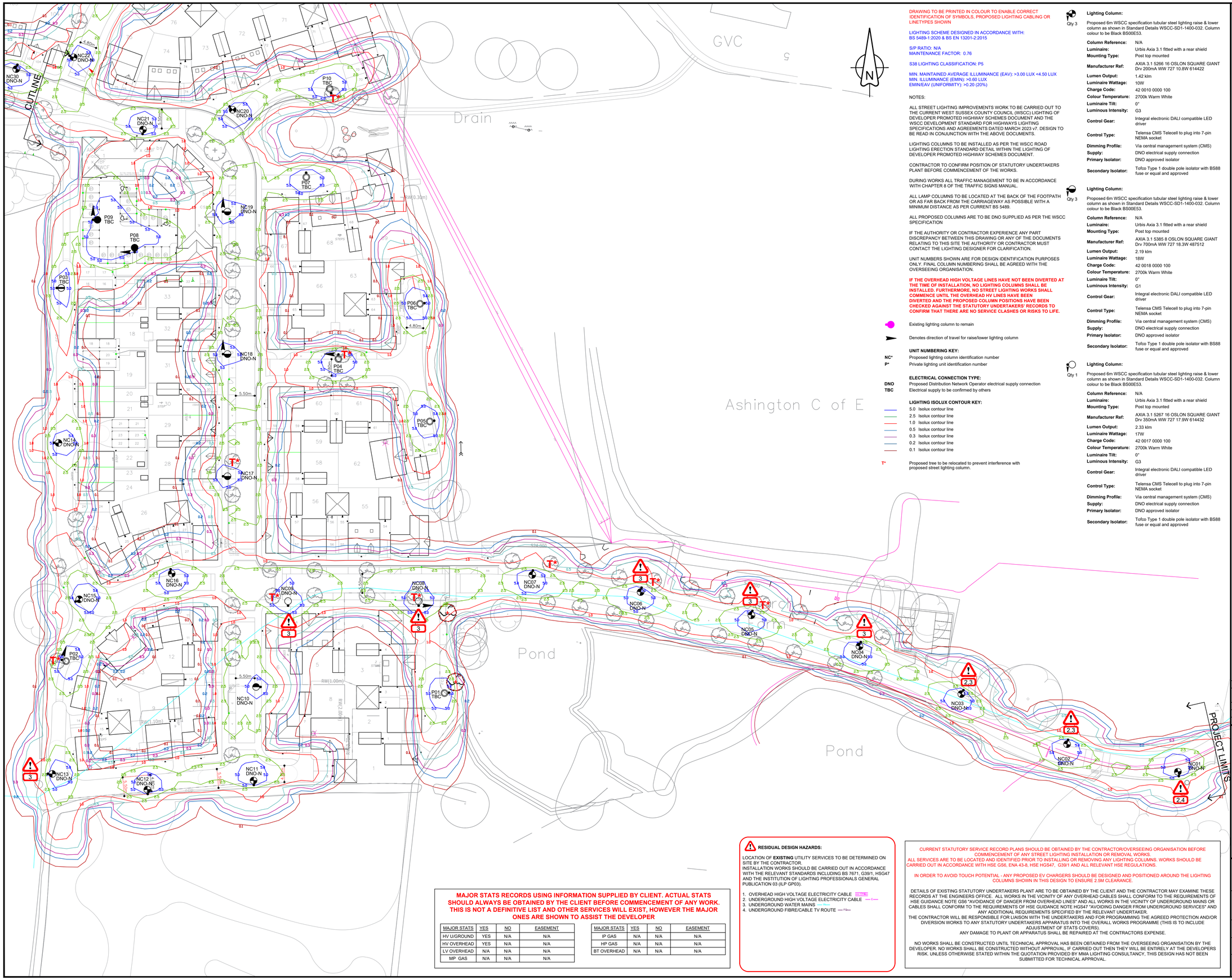

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

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

S/P RATIO: N/A
MAINTENANCE FACTOR: 0.76

S38 LIGHTING CLASSIFICATION: P5

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >3.00 LUX <4.50 LUX
MIN. ILLUMINANCE (EMIN): >0.60 LUX
EMIN/EAV (UNIFORMITY): >0.20 (20%)

NOTES:

ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT WEST SUSSEX COUNTY COUNCIL (WSCC) LIGHTING OF DEVELOPER PROMOTED HIGHWAY SCHEMES DOCUMENT AND THE WSCC DEVELOPMENT STANDARD FOR HIGHWAYS LIGHTING SPECIFICATIONS AND AGREEMENTS DATED MARCH 2023 v7. DESIGN TO BE READ IN CONJUNCTION WITH THE ABOVE DOCUMENTS.

LIGHTING COLUMNS TO BE INSTALLED AS PER THE WSCC ROAD LIGHTING ERECTION STANDARD DETAIL WITHIN THE LIGHTING OF DEVELOPER PROMOTED HIGHWAY SCHEMES DOCUMENT.

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.

ALL LAMP COLUMNS TO BE LOCATED AT THE BACK OF THE FOOTPATH OR AS FAR BACK FROM THE CARRIAGEWAY AS POSSIBLE WITH A MINIMUM DISTANCE AS PER CURRENT BS 5489.

ALL PROPOSED COLUMNS ARE TO BE DNO SUPPLIED AS PER THE WSCC SPECIFICATION

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.

IF THE OVERHEAD HIGH VOLTAGE LINES HAVE NOT BEEN DIVERTED AT THE TIME OF INSTALLATION, NO LIGHTING COLUMNS SHALL BE INSTALLED. FURTHERMORE, NO STREET LIGHTING WORKS SHALL COMMENCE UNTIL THE OVERHEAD HV LINES HAVE BEEN DIVERTED AND THE PROPOSED COLUMN POSITIONS HAVE BEEN CHECKED AGAINST THE STATUTORY UNDERTAKERS' RECORDS TO CONFIRM THAT THERE ARE NO SERVICE CLASHES OR RISKS TO LIFE.

Existing lighting column to remain

Denotes direction of travel for raise/lower lighting column

UNIT NUMBERING KEY:

NC* Proposed lighting column identification number
P* Private lighting unit identification number

ELECTRICAL CONNECTION TYPE:

DNO Proposed Distribution Network Operator electrical supply connection
TBC Electrical supply to be confirmed by others

LIGHTING ISOLUX CONTOUR KEY:

5.0 Isolux contour line
2.5 Isolux contour line
1.0 Isolux contour line
0.5 Isolux contour line
0.3 Isolux contour line
0.2 Isolux contour line
0.1 Isolux contour line

T* Proposed tree to be relocated to prevent interference with proposed street lighting column.

Qty 3

Lighting Column:

Proposed 6m WSCC specification tubular steel lighting raise & lower column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53.

Column Reference:	N/A
Luminaire:	Urbis Axia 3.1 fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	AXIA 3.1 5266 16 OSLON SQUARE GIANT Drv 200mA WW 727 10.8W 614422
Lumen Output:	1.42 klm
Luminaire Wattage:	10W
Charge Code:	42 0010 0000 100
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Integral electronic DALI compatible LED driver
Control Type:	Telensa CMS Telecell to plug into 7-pin NEMA socket
Dimming Profile:	Via central management system (CMS)
Supply:	DNO electrical supply connection
Primary Isolator:	DNO approved isolator
Secondary Isolator:	Tofco Type 1 double pole isolator with BS88 fuse or equal and approved

Qty 3

Lighting Column:

Proposed 6m WSCC specification tubular steel lighting raise & lower column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53.

Column Reference:	N/A
Luminaire:	Urbis Axia 3.1 fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	AXIA 3.1 5385 8 OSLON SQUARE GIANT Drv 700mA WW 727 18.3W 487512
Lumen Output:	2.19 klm
Luminaire Wattage:	18W
Charge Code:	42 0018 0000 100
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G1
Control Gear:	Integral electronic DALI compatible LED driver
Control Type:	Telensa CMS Telecell to plug into 7-pin NEMA socket
Dimming Profile:	Via central management system (CMS)
Supply:	DNO electrical supply connection
Primary Isolator:	DNO approved isolator
Secondary Isolator:	Tofco Type 1 double pole isolator with BS88 fuse or equal and approved

Qty 1

Lighting Column:

Proposed 6m WSCC specification tubular steel lighting raise & lower column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53.

Column Reference:	N/A
Luminaire:	Urbis Axia 3.1 fitted with a rear shield
Mounting Type:	Post top mounted
Manufacturer Ref:	AXIA 3.1 5267 16 OSLON SQUARE GIANT Drv 350mA WW 727 17.9W 614432
Lumen Output:	2.33 klm
Luminaire Wattage:	17W
Charge Code:	42 0017 0000 100
Colour Temperature:	2700k Warm White
Luminaire Tilt:	0°
Luminous Intensity:	G3
Control Gear:	Integral electronic DALI compatible LED driver
Control Type:	Telensa CMS Telecell to plug into 7-pin NEMA socket
Dimming Profile:	Via central management system (CMS)
Supply:	DNO electrical supply connection
Primary Isolator:	DNO approved isolator
Secondary Isolator:	Tofco Type 1 double pole isolator with BS88 fuse or equal and approved

S38 Street Lighting Key:

Symbol	Description
Qty 36	**Lighting Column:** Proposed 6m WSCC specification tubular steel lighting column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53. **Column Reference:** N/A; **Luminaire:** Urbis Axia 3.1 fitted with a rear shield; **Mounting Type:** Post top mounted; **Manufacturer Ref:** AXIA 3.1 5266 16 OSLON SQUARE GIANT Drv 200mA WW 727 10.8W 614422; **Lumen Output:** 1.42 klm; **Luminaire Wattage:** 10W; **Charge Code:** 42 0010 0000 100; **Colour Temperature:** 2700k Warm White; **Luminaire Tilt:** 0°; **Luminous Intensity:** G3; **Control Gear:** Integral electronic DALI compatible LED driver; **Control Type:** Telensa CMS Telecell to plug into 7-pin NEMA socket; **Dimming Profile:** Via central management system (CMS); **Supply:** DNO electrical supply connection; **Primary Isolator:** DNO approved isolator; **Secondary Isolator:** Tofco Type 1 double pole isolator with BS88 fuse or equal and approved
Qty 4	**Lighting Column:** Proposed 6m WSCC specification tubular steel lighting column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53. **Column Reference:** N/A; **Luminaire:** Urbis Axia 3.1 fitted with a rear shield; **Mounting Type:** Post top mounted; **Manufacturer Ref:** AXIA 3.1 5385 8 OSLON SQUARE GIANT Drv 700mA WW 727 18.3W 487512; **Lumen Output:** 2.19 klm; **Luminaire Wattage:** 18W; **Charge Code:** 42 0018 0000 100; **Colour Temperature:** 2700k Warm White; **Luminaire Tilt:** 0°; **Luminous Intensity:** G1; **Control Gear:** Integral electronic DALI compatible LED driver; **Control Type:** Telensa CMS Telecell to plug into 7-pin NEMA socket; **Dimming Profile:** Via central management system (CMS); **Supply:** DNO electrical supply connection; **Primary Isolator:** DNO approved isolator; **Secondary Isolator:** Tofco Type 1 double pole isolator with BS88 fuse or equal and approved
Qty 1	**Lighting Column:** Proposed 6m WSCC specification tubular steel lighting column as shown in Standard Details WSCC-SD1-1400-032. Column colour to be Black BS00E53. **Column Reference:** N/A; **Luminaire:** Urbis Axia 3.1 fitted with a rear shield; **Mounting Type:** Post top mounted; **Manufacturer Ref:** AXIA 3.1 5267 16 OSLON SQUARE GIANT Drv 350mA WW 727 17.9W 614432; **Lumen Output:** 2.33 klm; **Luminaire Wattage:** 17W; **Charge Code:** 42 0017 0000 100; **Colour Temperature:** 2700k Warm White; **Luminaire Tilt:** 0°; **Luminous Intensity:** G3; **Control Gear:** Integral electronic DALI compatible LED driver; **Control Type:** Telensa CMS Telecell to plug into 7-pin NEMA socket; **Dimming Profile:** Via central management system (CMS); **Supply:** DNO electrical supply connection; **Primary Isolator:** DNO approved isolator; **Secondary Isolator:** Tofco Type 1 double pole isolator with BS88 fuse or equal and approved

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE LOCAL AUTHORITY BY THE DEVELOPER. SHOULD WORKS BE CONSTRUCTED WITHOUT APPROVAL THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK. UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY, MMA LIGHTING CONSULTANCY HAVE NOT SUBMITTED THIS DESIGN FOR TECHNICAL COMMENTS/APPROVAL.

IN ORDER TO AVOID TOUCH POTENTIAL - ANY PROPOSED EV CHARGERS SHOULD BE DESIGNED AND POSITIONED AROUND THE LIGHTING COLUMNS SHOWN IN THIS DESIGN TO ENSURE 2.5M CLEARANCE.

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN - BASE DRAWING USED 'Constraints Plan External'	20/10/2026	BR

MAJOR STATS RECORDS USING INFORMATION SUPPLIED BY CLIENT. ACTUAL STATS SHOULD ALWAYS BE OBTAINED BY THE CLIENT BEFORE COMMENCEMENT OF ANY WORK. THIS IS NOT A DEFINITIVE LIST AND OTHER SERVICES WILL EXIST, HOWEVER THE MAJOR ONES ARE SHOWN TO ASSIST THE DEVELOPER

MAJOR STATS	YES	NO	EASEMENT
HV U/GROUND	YES	N/A	N/A
HV OVERHEAD	YES	N/A	N/A
LV OVERHEAD	N/A	N/A	N/A
MP GAS	N/A	N/A	N/A

MAJOR STATS	YES	NO	EASEMENT
IP GAS	N/A	N/A	N/A
HP GAS	N/A	N/A	N/A
BT OVERHEAD	N/A	N/A	N/A

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, G39/1, HSG47 AND THE INSTITUTION OF LIGHTING PROFESSIONALS GENERAL PUBLICATION 03 (ILP GP03).

1. OVERHEAD HIGH VOLTAGE ELECTRICITY CABLE
2. UNDERGROUND HIGH VOLTAGE ELECTRICITY CABLE
3. UNDERGROUND WATER MAINS
4. UNDERGROUND FIBRE/CABLE TV ROUTE

CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEEING 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, G39/1 AND ALL RELEVANT HSE REGULATIONS.

IN ORDER TO AVOID TOUCH POTENTIAL - ANY PROPOSED EV CHARGERS SHOULD BE DESIGNED AND POSITIONED AROUND THE LIGHTING COLUMNS SHOWN IN THIS DESIGN TO ENSURE 2.5M CLEARANCE.

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 GS6 "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 STATS 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.

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Project title
CHURCH LANE, ASHINGTON

Drawing title
LIGHTING STRATEGY DESIGN
SHEET 1 OF 4

Prepared by BR	Checked by HC
Scale 1:500 @ A1	Date 20/10/2026
Drawing Number MMA20740/001	Revision Details R0

ALL PRIVATE DETAILS ARE SHOWN ON SHEET 4 OF 4