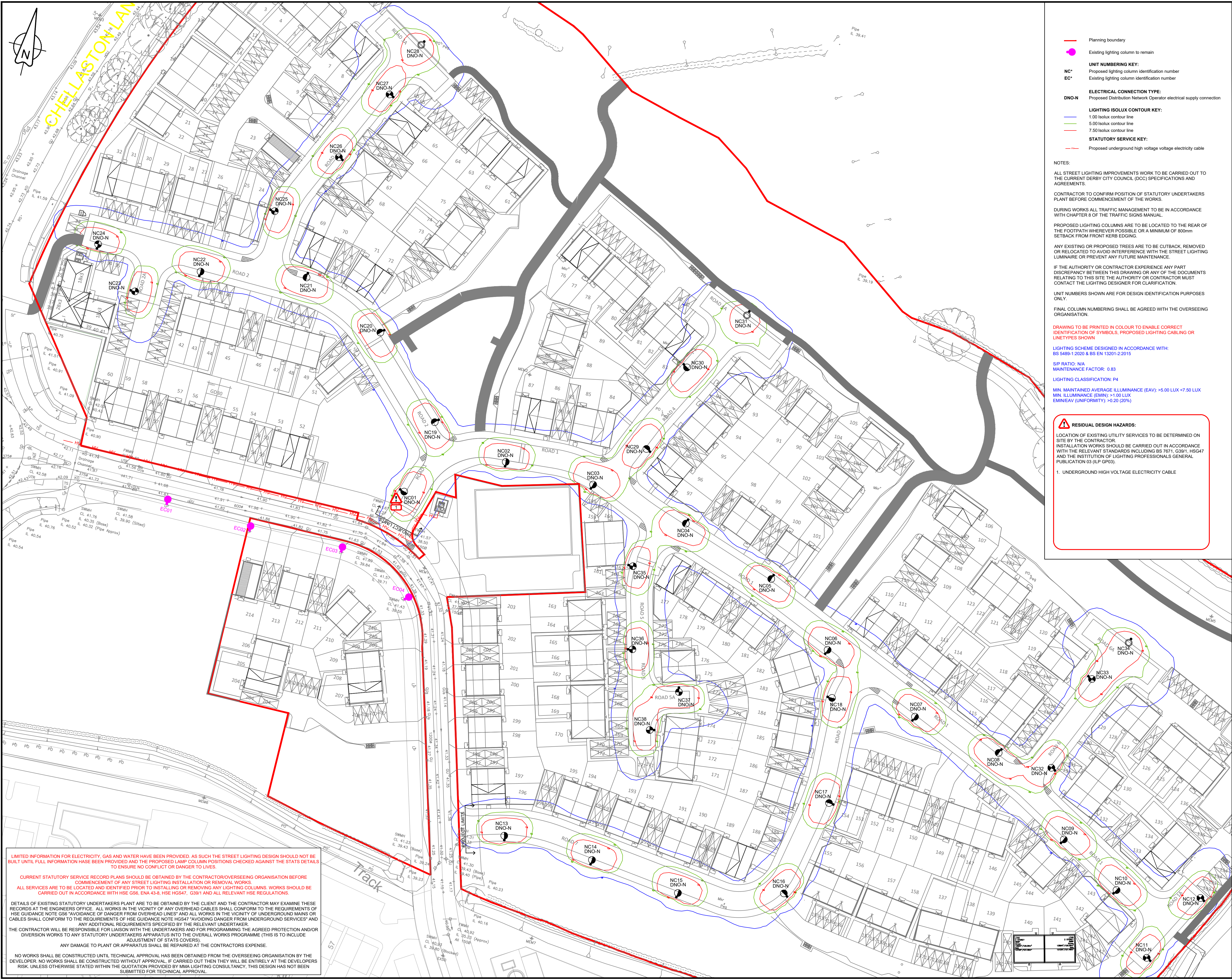




Planning boundary

Existing lighting column to remain

UNIT NUMBERING KEY:
Proposed lighting column identification number
Existing lighting column identification number

ELECTRICAL CONNECTION TYPE:
Proposed Distribution Network Operator electrical supply connection

LIGHTING ISOLUX CONTOUR KEY:
1.00 Isolux contour line
5.00 Isolux contour line
7.50 Isolux contour line

STATUTORY SERVICE KEY:
Proposed underground high voltage electricity cable

NOTES:
ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT DERBY CITY COUNCIL (DCC) SPECIFICATIONS AND AGREEMENTS.
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.
PROPOSED LIGHTING COLUMNS ARE TO BE LOCATED TO THE REAR OF THE FOOTPATH WHEREVER POSSIBLE OR A MINIMUM OF 800mm SETBACK FROM FRONT KERB EDGING.
ANY EXISTING OR PROPOSED TREES ARE TO BE CUTBACK, REMOVED OR RELOCATED TO AVOID INTERFERENCE WITH THE STREET LIGHTING LUMINAIRE OR PREVENT ANY FUTURE MAINTENANCE.
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.

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

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

S/P RATIO: N/A
MAINTENANCE FACTOR: 0.83

LIGHTING CLASSIFICATION: P4

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >5.00 LUX <7.50 LUX
MIN. ILLUMINANCE (EMIN): >1.00 LUX
EMIN/EAV (UNIFORMITY): >0.20 (20%)

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, G391, HSG47 AND THE INSTITUTION OF LIGHTING PROFESSIONALS GENERAL PUBLICATION 03 (ILP GP03).

1. UNDERGROUND HIGH VOLTAGE ELECTRICITY CABLE

Symbol	Description
Qty 13	Lighting Column: 6m Mallatec, Stanton or equivalent tubular steel column to be finished in a factory applied, approved, thermoplastic coating with a finished column colour of BS18 B29 (Raven), or, the equivalent RAL colour as per the Derby City Council specification Column Reference: N/A Luminaire: DW Windsor Kirium Pro Mini with integrated rear shield Mounting Type: Post top mounted Manufacturer Ref: KIRIUM PRO MINI 16LED 3k A2 Rear Shield 300mA UMSUG 42 0013 0000 100 Lumen Output: 1.81 km Luminaire Wattage: 13 w Charge Code: 42 0013 0000 100 Colour Temperature: 3000K Warm White Luminaire Tilt: 0° Luminous Intensity: G4 Control Gear: Electronic Control Gear to include DALI interface or other approved equivalent Control Type: Telensa CMS node Dimming Profile: Via DCC CMS system Supply: DNO electrical supply connection Primary Isolator: DNO approved isolator Secondary Isolator: Charles Endirect LSH-02 with a 32A Switch disconnector & 1 no. BS888 Fuse Carrier.
Qty 22	Lighting Column: 6m Mallatec, Stanton or equivalent tubular steel column to be finished in a factory applied, approved, thermoplastic coating with a finished column colour of BS18 B29 (Raven), or, the equivalent RAL colour as per the Derby City Council specification Column Reference: N/A Luminaire: DW Windsor Kirium Pro Mini with integrated rear shield Mounting Type: Post top mounted Manufacturer Ref: KIRIUM PRO MINI 16LED 3k A2 Rear Shield 350mA UMSUG 42 0015 0000 100 Lumen Output: 2.13 km Luminaire Wattage: 15 w Charge Code: 42 0015 0000 100 Colour Temperature: 3000K Warm White Luminaire Tilt: 0° Luminous Intensity: G4 Control Gear: Electronic Control Gear to include DALI interface or other approved equivalent Control Type: Telensa CMS node Dimming Profile: Via DCC CMS system Supply: DNO electrical supply connection Primary Isolator: DNO approved isolator Secondary Isolator: Charles Endirect LSH-02 with a 32A Switch disconnector & 1 no. BS888 Fuse Carrier.
Qty 3	Lighting Column: 6m Mallatec, Stanton or equivalent tubular steel column to be finished in a factory applied, approved, thermoplastic coating with a finished column colour of BS18 B29 (Raven), or, the equivalent RAL colour as per the Derby City Council specification Column Reference: N/A Luminaire: DW Windsor Kirium Pro Mini with integrated rear shield Mounting Type: Post top mounted Manufacturer Ref: KIRIUM PRO MINI 16LED 3k A6 Rear shield 400mA UMSUG 42 0018 0000 100 Lumen Output: 2.42 km Luminaire Wattage: 18 w Charge Code: 42 0018 0000 100 Colour Temperature: 3000K Warm White Luminaire Tilt: 0° Luminous Intensity: G1 Control Gear: Electronic Control Gear to include DALI interface or other approved equivalent Control Type: Telensa CMS node Dimming Profile: Via DCC CMS system Supply: DNO electrical supply connection Primary Isolator: DNO approved isolator Secondary Isolator: Charles Endirect LSH-02 with a 32A Switch disconnector & 1 no. BS888 Fuse Carrier.

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.

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN BASED ON "24101 - 207 - Section 38 Layout"	13/09/2024	BT

MMA

LIGHTING CONSULTANCY

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www.mma-lighting-consultancy.co.uk

Project title	
BOULTON MOOR, DERBYSHIRE	
Drawing title	
S38 STREET LIGHTING DESIGN SHEET 1 OF 1	
Prepared by	BT
Checked by	HC
Scale	1:500 @ A1
Date	13/09/2024
Drawing Number	MMA18947/001
Revision Details	R0

LIMITED INFORMATION FOR ELECTRICITY, GAS AND WATER HAVE BEEN PROVIDED. AS SUCH THE STREET LIGHTING DESIGN SHOULD NOT BE BUILT UNTIL FULL INFORMATION HAS BEEN PROVIDED AND THE PROPOSED LAMP COLUMN POSITIONS CHECKED AGAINST THE STATS DETAILS TO ENSURE NO CONFLICT OR DANGER TO LIVES.

CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEERING 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 G56, ENA 43.8, HSE HGS47, G391 AND ALL RELEVANT HSE REGULATIONS.

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 G56 "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.