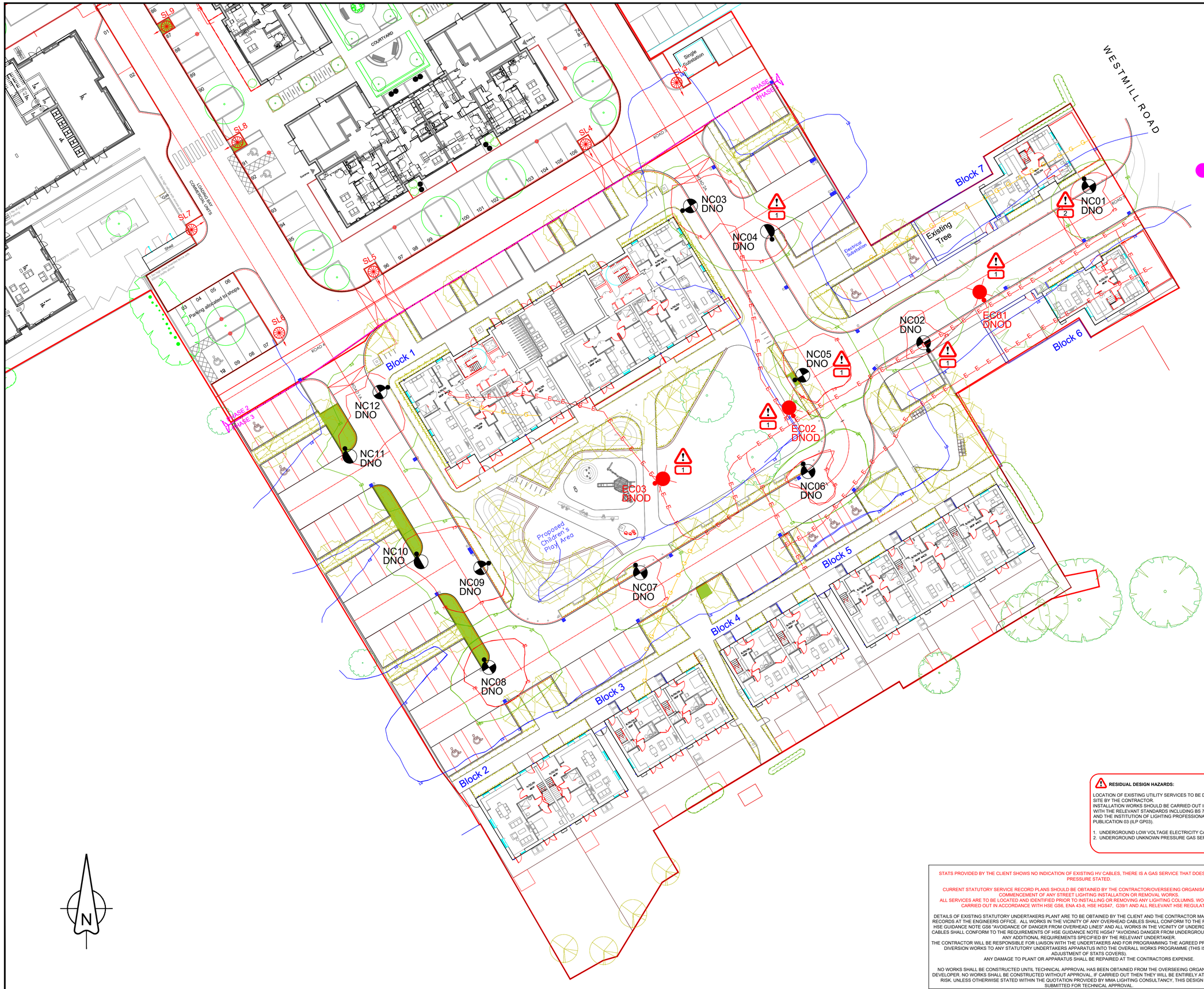


Street Lighting Key:

Symbol	Description
Qty 9	**Lighting Column:** Proposed galvanised steel lighting column of 6.0 metre nominal height with a planted base with glass flake root protection as per Hertfordshire County Council and BS EN 40 specification. An OSID sticker is to installed at the base of the lighting column and inside the hood of the lantern
	Luminaire: Urbis Axia 2.1 with integrated rear shield.
	Mounting Type: Post top mounted
	Manufacturer Ref: AXIA 2.1 5187 8 OLSON SQUARE GIANT 820mA NW 740
	Lumen Output: 3.12 klm
	Luminaire Wattage: 23W
	Charge Code: 42 0023 0000 100
	Colour Temperature: 4000k Neutral White
	Luminaire Tilt: 0°
	Luminous Intensity: G3
	Control Gear: DALI enabled electronic control gear
	Control Type: Telensa 1 part 5 pin CMS Node fitted to a 7 PIN NEMA Socket in accordance with HCC requirements only
	Dimming Profile: Via CMS
	Supply: DNO electrical supply connection
	Primary Isolator: DNO approved isolator
	Secondary Isolator: Lucy Trojan Midi double pole isolator unit
Qty 3	**Lighting Column:** Proposed galvanised steel lighting column of 6.0 metre nominal height with a planted base with glass flake root protection as per Hertfordshire County Council and BS EN 40 specification. An OSID sticker is to installed at the base of the lighting column and inside the hood of the lantern
	Luminaire: Urbis Axia 2.1 with integrated rear shield.
	Mounting Type: Post top mounted
	Manufacturer Ref: AXIA 2.1 5167 8 OLSON SQUARE GIANT 700mA NW 740
	Lumen Output: 2.75 klm
	Luminaire Wattage: 19W
	Charge Code: 42 0019 0000 100
	Colour Temperature: 4000k Neutral White
	Luminaire Tilt: 0°
	Luminous Intensity: G2
	Control Gear: DALI enabled electronic control gear
	Control Type: Telensa 1 part 5 pin CMS Node fitted to a 7 PIN NEMA Socket in accordance with HCC requirements only
	Dimming Profile: Via CMS
	Supply: DNO electrical supply connection
	Primary Isolator: DNO approved isolator
	Secondary Isolator: Lucy Trojan Midi double pole isolator unit
	Proposed lighting column on adjacent phase to indicate tie in.
	Existing lighting column to remain.
	Existing lighting column to be removed to licensed tip.
	UNIT NUMBERING KEY:
NC*	Proposed lighting column identification number
EC*	Existing lighting column identification number
	ELECTRICAL CONNECTION TYPE:
DNO	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

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

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%)

NOTES:

ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT HERTFORDSHIRE COUNTY COUNCIL (HCC) SPECIFICATIONS AND AGREEMENTS.

ANY CONTRACTOR UNDERTAKING STREET LIGHTING WORKS SHALL HOLD CURRENT HEA ACCREDITATION

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.
THE DISTANCE IS FROM ANY PROTRUSION TO THE EDGE OF THE CARRIAGEWAY, THIS INCLUDES SIGN PLATES ETC.

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.

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN "4121 - Phase 3 - Site Plan -03-03-25"	12/03/2025	SW

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. UNDERGROUND LOW VOLTAGE ELECTRICITY CABLE — E — E
2. UNDERGROUND UNKNOWN PRESSURE GAS SERVICE — G — G

STATS PROVIDED BY THE CLIENT SHOWS NO INDICATION OF EXISTING HV CABLES, THERE IS A GAS SERVICE THAT DOES NOT HAVE THE PRESSURE STATED.

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.

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.

MMA
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Phone: 0118 321 5636 Email: info@mma-consultancy.co.uk
www.mma-consultancy.co.uk

Project title
JOHN BARKER PLACE

Drawing title
S38 STREET LIGHTING DESIGN
SHEET 1 OF 1

Prepared by SW	Checked by MC
Scale 1:250 @ A1	Date 12/03/2025
Drawing Number MMA19265/001	Revision Details R0