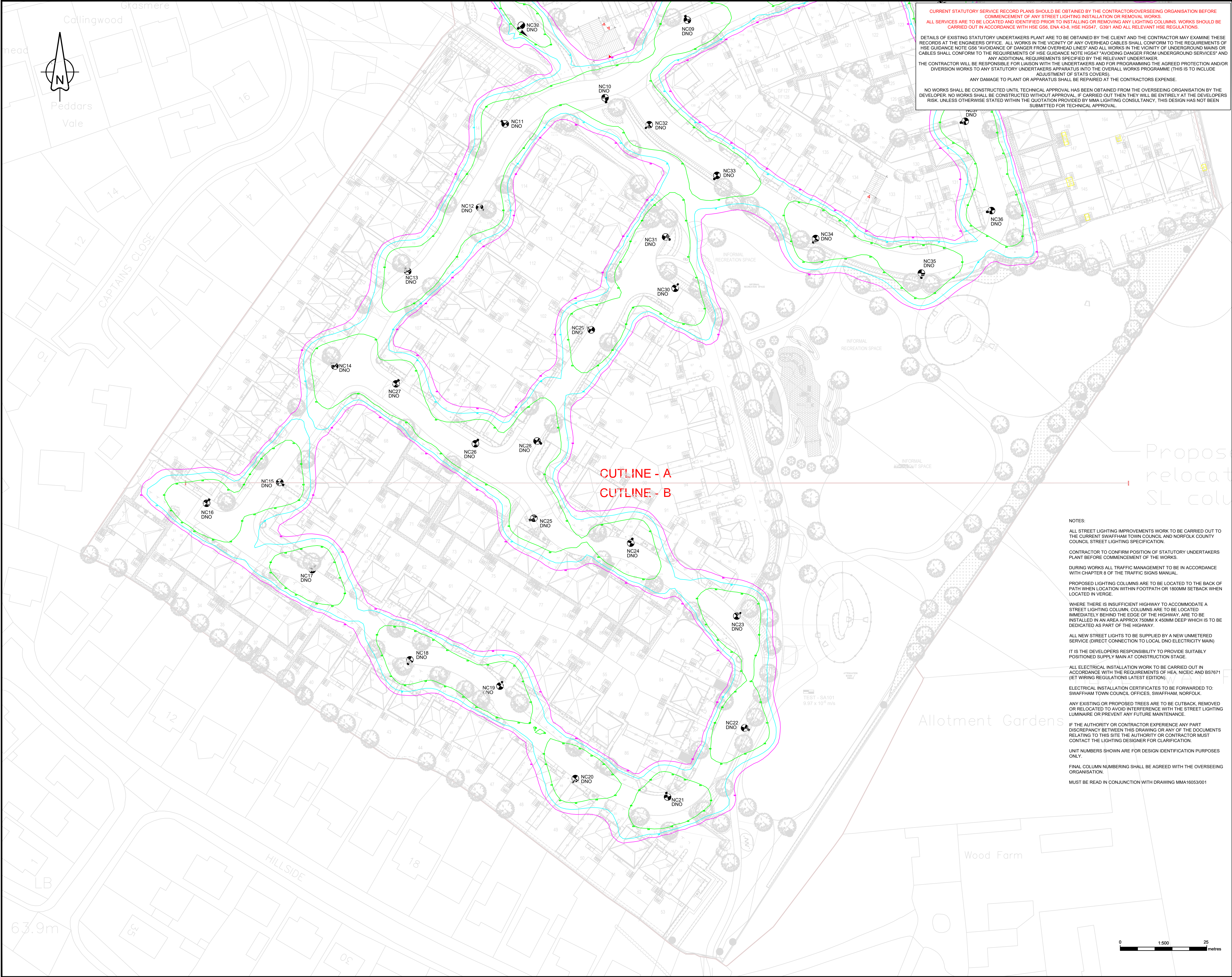




CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEEING ORGANISATION BEFORE COMMENCEMENT OF ANY STREET LIGHTING INSTALLATION OR REMOVAL WORKS.
ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING OR REMOVING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSE G56, ENA 42-8, HSE HG547, 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 HG547 '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 STAKES 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.

Street Lighting Key:

Symbol	Description
	Lighting Column: Proposed galvanneal steel lighting column of 6.0 metre nominal height with a plated base and glass flake root protection as supplied by Valmont Stanton or similar approved in accordance with Swaffham Town Council street lighting specification. (Norfolk PF1 spec.)
Qty 38	Column Reference: N/A Luminaire: Urbis Axia 3.1 Mounting Type: Post top mounted Manufacturer Ref: AXIA 3.1 5295 8 OSLOM SQUARE GIANT 600mA WW 730 16.3W 435822 Lumen Output: 1.99klm Luminaire Wattage: 16 w Charge Code: 42 0018 0000 100 Colour Temperature: 3000K Warm White Luminaire Tilt: 0° Luminous Intensity: G3 Control Gear: Electronic DALI enabled driver Control Type: One Part PECU in 3 pin NEMA. 35lux (1:0.5) Dimming Profile: N/A Supply: DNO electrical supply connection Primary Isolator: DNO approved double pole isolator Secondary Isolator: N/A Internal Wiring: To be wired in black pvc/pvc 1.5mm² 3 core flex from the isolator to luminaire
	Lighting Column: Proposed mid-hinged galvanneal steel lighting column of 6.0 metre nominal height with a plated base and glass flake root protection as supplied by Valmont Stanton or similar approved in accordance with Swaffham Town Council street lighting specification. (Norfolk PF1 spec.)
Qty 2	Column Reference: N/A Luminaire: Urbis Axia 3.1 Mounting Type: Post top mounted Manufacturer Ref: AXIA 3.1 5270 8 OSLOM SQUARE GIANT 300mA WW 730 8.3W 429112 Lumen Output: 1.06klm Luminaire Wattage: 8 w Charge Code: 42 0008 0000 100 Colour Temperature: 3000K Warm White Luminaire Tilt: 0° Luminous Intensity: G3 Control Gear: Electronic DALI enabled driver Control Type: One Part PECU in 3 pin NEMA. 35lux (1:0.5) Dimming Profile: N/A Supply: DNO electrical supply connection Primary Isolator: DNO approved double pole isolator Secondary Isolator: N/A Internal Wiring: To be wired in black pvc/pvc 1.5mm² 3 core flex from the isolator to luminaire

Denotes direction of travel for raiselower lighting column

UNIT NUMBERING KEY:
NC* Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:
DNO Proposed Distribution Network Operator electrical supply connection

LIGHTING ISOLUX CONTOUR KEY:
0.60 Isolux contour line
1.00 Isolux contour line
2.00 Isolux contour line

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLEING 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: 0.82

LIGHTING CLASSIFICATION: P5

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

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	19/05/2021	SRH
R1	MOVED COLUMNS AWAY FROM TREES	05/07/2021	SRH
R2	RESITED LC01, LC12, LC13 & LC14	01/09/2021	SRH

MMA

LIGHTING CONSULTANCY

Exterior Lighting Design Specialists

99 Old Bath Road, Summer Field House, Reading, RG10 9QN
Phone: 0118 321 5636 Email: info@mma-consultancy.co.uk
www.mma-consultancy.co.uk

Project title	OFF NORWICH ROAD, SWAFFHAM		
Drawing title	S38 STREET LIGHTING DESIGN SHEET 2 OF 2		
Prepared by	SRH	Checked by	MC
Scale	1:500 @ A1	Date	19/05/2021
Drawing Number	MMA16053/002		Revision Details R2