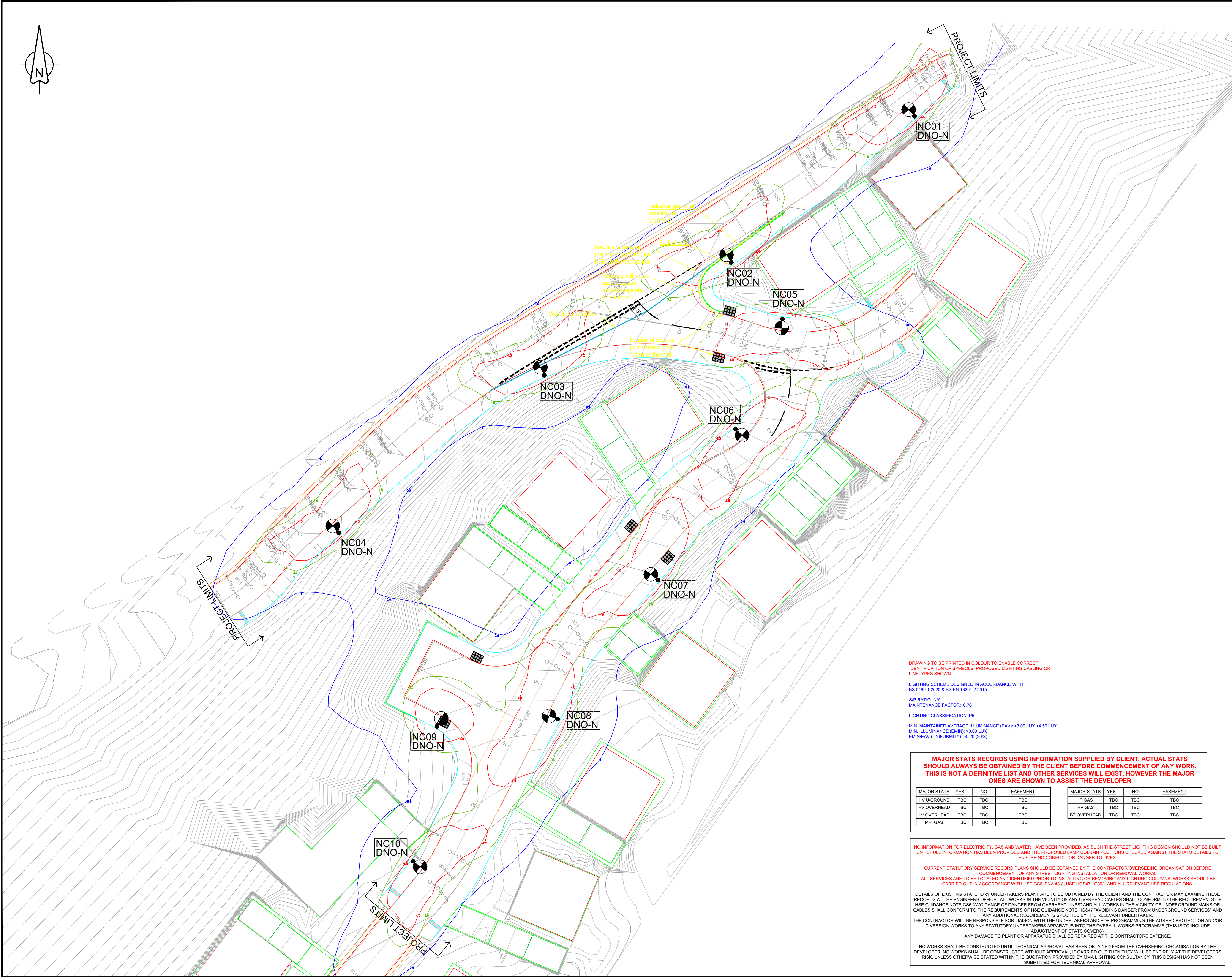




Street Lighting Key:

Symbol	Description
	Lighting Column: Qty 09 6m Neath Port Talbot Council (NPTC) specification tubular steel column in accordance with BS EN 40 incorporating a 0.2m hockey stick bracket
	Column Reference: N/A
	Luminaire: Thorn Isaro Pro
	Mounting Type: Side Entry
	Manufacturer Ref: Isaro Pro Small 12LED 350mA WSC optic IP12L35WSC730
	Lumen Output: 1.86klm
	Luminaire Wattage: 15 W
	Charge Code: 42 0015 0000 100
	Colour Temperature: 3000K Warm White
	Luminaire Tilt: 0°
	Luminous Intensity: G3
	Control Gear: Electronic DALI enabled driver
	Control Type: CMS node (to Neath Port Talbot Council) mounted in a 7 pin NEMA socket
	Dimming Profile: To Neath Port Talbot Council specification
	Supply: DNO electrical supply connection
	Primary Isolator: DNO approved isolator
	Secondary Isolator: To Neath Port Talbot Council specification
	Lighting Column: Qty 01 6m Neath Port Talbot Council (NPTC) specification tubular steel column in accordance with BS EN 40 incorporating a 0.2m hockey stick bracket
	Column Reference: N/A
	Luminaire: Thorn Isaro Pro
	Mounting Type: Side Entry
	Manufacturer Ref: Isaro Pro Small 12LED 350mA EWR optic P12L35EWR730
	Lumen Output: 1.87klm
	Luminaire Wattage: 15 W
	Charge Code: 42 0015 0000 100
	Colour Temperature: 3000K Warm White
	Luminaire Tilt: 0°
	Luminous Intensity: G3
	Control Gear: Electronic DALI enabled driver
	Control Type: CMS node (to Neath Port Talbot Council) mounted in a 7 pin NEMA socket
	Dimming Profile: To Neath Port Talbot Council specification
	Supply: DNO electrical supply connection
	Primary Isolator: DNO approved isolator
	Secondary Isolator: To Neath Port Talbot Council specification

UNIT NUMBERING KEY: NC* Proposed lighting column identification number	
ELECTRICAL CONNECTION TYPE: DNO-N Proposed Distribution Network Operator electrical supply connection	
LIGHTING ISOLUX CONTOUR KEY: 0.50lux contour line 3.00lux contour line 4.50lux contour line	

NOTES:

ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT NEATH PORT TALBOT COUNCIL (NPTC) 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 1000mm 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.

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 "CITY-ENT-02-Mat-02-Proposed v6 Exploded"	08/06/2026	BT
R1	Site change - "CITY-ENT-02-Mat-02-Proposed site v6a3"	18/08/2026	BT

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 VARTEG ROAD, BRYN, PORT TALBOT	
Drawing title S278 STREET LIGHTING DESIGN SHEET 1 OF 1	
Prepared by BT	Checked by MD
Scale 1:250 @ A1	Date 18/08/2026
Drawing Number MMA20261/001	Revision Details R1

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: P5

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

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 UNDERGROUND	TBC	TBC	TBC
HV OVERHEAD	TBC	TBC	TBC
LV OVERHEAD	TBC	TBC	TBC
MP GAS	TBC	TBC	TBC

MAJOR STATS	YES	NO	EASEMENT
IP GAS	TBC	TBC	TBC
HP GAS	TBC	TBC	TBC
BT OVERHEAD	TBC	TBC	TBC

NO 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 GS6, ENA 43-8, HSE HG547, G3911 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 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 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.