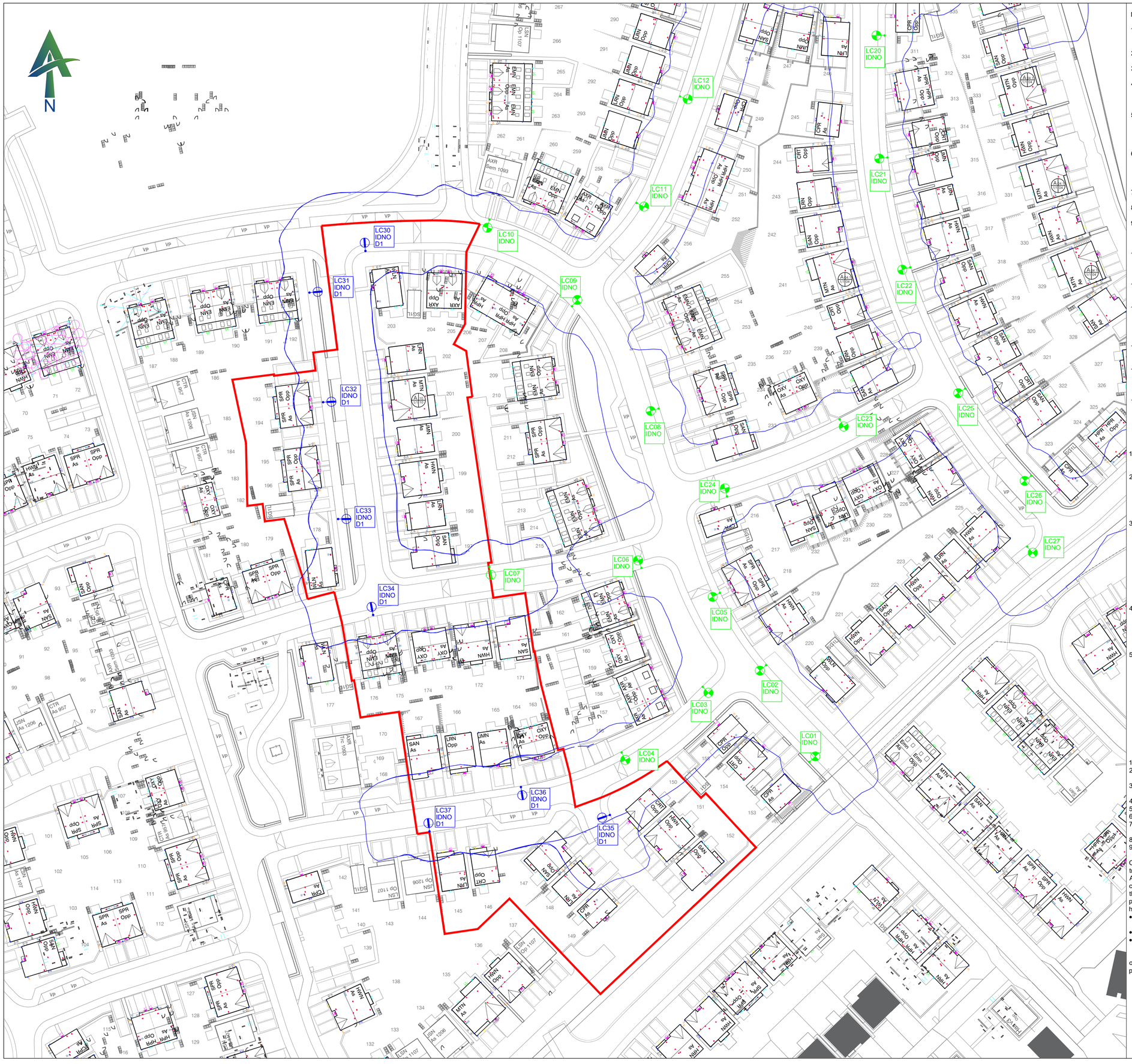


NOTES:

1. All works are to be carried out in accordance with Cumbria County Council (CCC) Street Lighting Design Specification.
2. Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
3. All new lighting columns are to have Distribution Network Operator (DNO) services.
4. The Contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
5. It should be assumed by the Contractor that not all services have been identified during the design period. It is the responsibility of the Contractor to ensure that all unidentified services are carefully located and not damaged.
6. The Contractor shall identify the location of any overhead electrical equipment prior to the undertaking of any onsite works. Should the presence of such equipment be identified, the Contractor shall consult with the DNO for guidance.
7. Final lighting column positions shall be agreed onsite with the Local Authority Street Lighting engineer.
8. Final lighting column identification numbers shall be agreed with the Local Authority Street Lighting Engineer.
9. The Contractor shall provide the Local Authority with as-built drawings, test certificates and column and lantern data sheets in accordance with CCC Street Lighting Specification.
10. Lighting column foundations shall be designed in accordance with the Manufacturer datasheets for the columns and soil types present (see also CCC Street Lighting Design Specification).
11. The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 1.0 metres.
12. Unless otherwise indicated, lighting columns shall be planted at the rear of the footpath and positioned such that the door opening is facing away from oncoming traffic, unless obstructed, in which case it shall be angled outwards to clear obstruction.
13. The Contractor shall provide CCC Street Lighting Department with the name, address and emergency contact details for any appointed IDNO.
13. The use of Independent Distribution Network Operator's (IDNO's) is permitted. Any chosen IDNO shall have a Service Level Agreement in place with CCC prior to adoption of the new installation.
14. IDNO contact details shall also be stored inside the base compartment of each lighting column via means of an identification label.

HEALTH & SAFETY NOTES

1. All materials to bear the relevant BS kitemark, comply fully with the specifications and to be agreed with the overseeing organisation/site representative prior to ordering.
2. All statutory consents, opening notices etc. required under Highways acts and water industries acts to be obtained by the contractor prior to commencement of the works (unless otherwise stated). All works to be inspected by Local Authority representative, NHBC or statutory authority as applicable.
3. Contractor to make allowance for the management and coordination of statutory undertakers diversions within the programme of works. Statutory undertakers equipment in the highway to be verified by the contractor prior to starting any works. Statutory plant shown on any plans is indicative and should not be relied upon for the final location. The contractor should confirm the location via hand dug trial trenches prior to commencing. Allowance for the presence of appropriate protection / diversion measures is to be put in place by the contractor (unless stated otherwise) where stats equipment are found.
4. The contractor is responsible for ensuring all advance notices are in place and traffic management agreed for the works prior to commencing. The contractor is to make allowance for the advance provision of all electrical works and equipment for signals and street lighting within their programme of works.
5. This drawing to be read in conjunction with others for this project.

CDM REGULATIONS 2015

In line with the above regulations we are obliged to inform the client of the risks that may be encountered in the construction of these works. Wherever possible risks have been eliminated from the design, however due to the nature of these activities it is not possible to remove all the risks. We would also remind the client of their obligations to take all reasonable steps appointing competent contractors with valid safety policies. Satisfactory responses should be provided at tender stage as to the manner in which they will deal with the risks involved in particular those highlighted by below:-

1. Trench excavations in excess of 1.2m deep.
2. Guarding to edges of excavations to prevent falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways and protection of site personnel and members of the public.
8. Procedure for accident or emergency.
9. Method of working where contaminated ground is present on site.

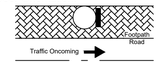
Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied. Any construction personnel, including operatives intending to construct the designs shown on this drawing should ensure that they have been regularly and thoroughly briefed by the principal contractor on all health and safety matters and have had sight of:-

- The full designers and contractors risk assessments and risk registers.
- The developed construction Health and Safety plan.
- The contractors construction method statements.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.

	Total in Project:	8	
	Column Height:	6 Metre	
	Proposed galvanised tubular steel lighting column with a planted base as supplied by Mallatite to Cumbria County Council Street Lighting Spec		
Column Reference:	8917 PT (Cumbria)		
Luminaire:	Proposed post top mounted Thorn R2L2 luminaire (to suit a 60mm spigot)		
Luminaire Type / Reference:	R2L2 S - 12 x Warm White 3000K LED CRI 70 500mA - EWR Optic		
Luminaire Tilt: 0 °	Lumen Output:	2.50klm	
Luminaire Temperature:	3000K - Warm White		
Control Gear:	Osram dimmable electronic		
Control Type:	SS5DR White Band 10lux (1:1)		
Dimming Profile:	50% dimming from 21:00 to 06:00		
Supply:	IDNO		
Primary Isolator:	IDNO Single Pole		
Secondary Isolator:	Tofco F144DP - Cumbria Spec.		
Internal Wiring:	Internal wiring to luminaire shall be 1.5mm² PVC insulated flexible cable		

Door Orientation:



DOOR TO FACE AWAY FROM ONCOMING TRAFFIC.

ELECTRICAL CONNECTION KEY:

LC** - Lighting Column Identification Number

D** - Termination Type

- Proposed Lighting Column out of site extents Refer to latest version of : 'AP0524-811-S38-EDGEHILL PH3-CAD DRAWING'

ISOLUX CONTOUR KEY

0.60

GENERAL NOTES

1. All drawings and documents are to be read in conjunction with one another and are mutually compatible and shall be read as such. All documents shall be checked to ensure they are compatible by the contractor before construction commences. In the event of apparent ambiguity or contradiction, the designer shall be notified immediately. Aptus Utilities accept no liability in the event of not being notified and where construction work has commenced.
2. Before construction commences, the site engineer shall ensure that all setting out information is mutually compatible with all the drawings and documents provided by the designers. Where information is apparently contradictory or ambiguous, the design engineer is to be notified immediately. Aptus Utilities accept no liability for setting out errors where work is construction to incorrect information.
3. This design has been prepared in accordance with the HEMSA/HEA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 3 and The Construction (Design and Management) Regulations 2015 - PART 3 Health and safety duties and roles - 9. Duties of designers.
4. All electrical installation works must be in accordance with BS7671:2018
5. This lighting design has been produced without a simultaneous contact risk assessment with regards to Electric vehicle chargers.

REV	DRAWN	CHECKED	APPROVED	DATE
1	ADDITIONAL LC ADDED AS PER CLIENT REQUEST			
	A. ASPIN	C. SMITH	C.SMITH	29/09/2022

STATUS: DETAILED DESIGN

APTUS CONTRACT NUMBER: AP0524-1104

DRAWING: PROPOSED S38 STREET LIGHTING DESIGN

DRAWN:	DATE:	CHECKED:	DATE:
A. ASPIN	26/09/2022	C.SMITH	27/09/2022

SHEET NO:	SCALE: 1:500 @ A1	REV: 1
1 OF 1		

DEVELOPMENT: EDGEHILL PARK, CUMBRIA - PHASE 3B - CA28 9UB

DRAWING NO: SL1104.APT.HLG.XX.DR.Y.913001.REV1

Aptus
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CORPORATE MEMBER

APPROVED CONTRACTOR

UKAS

REF: 610444000