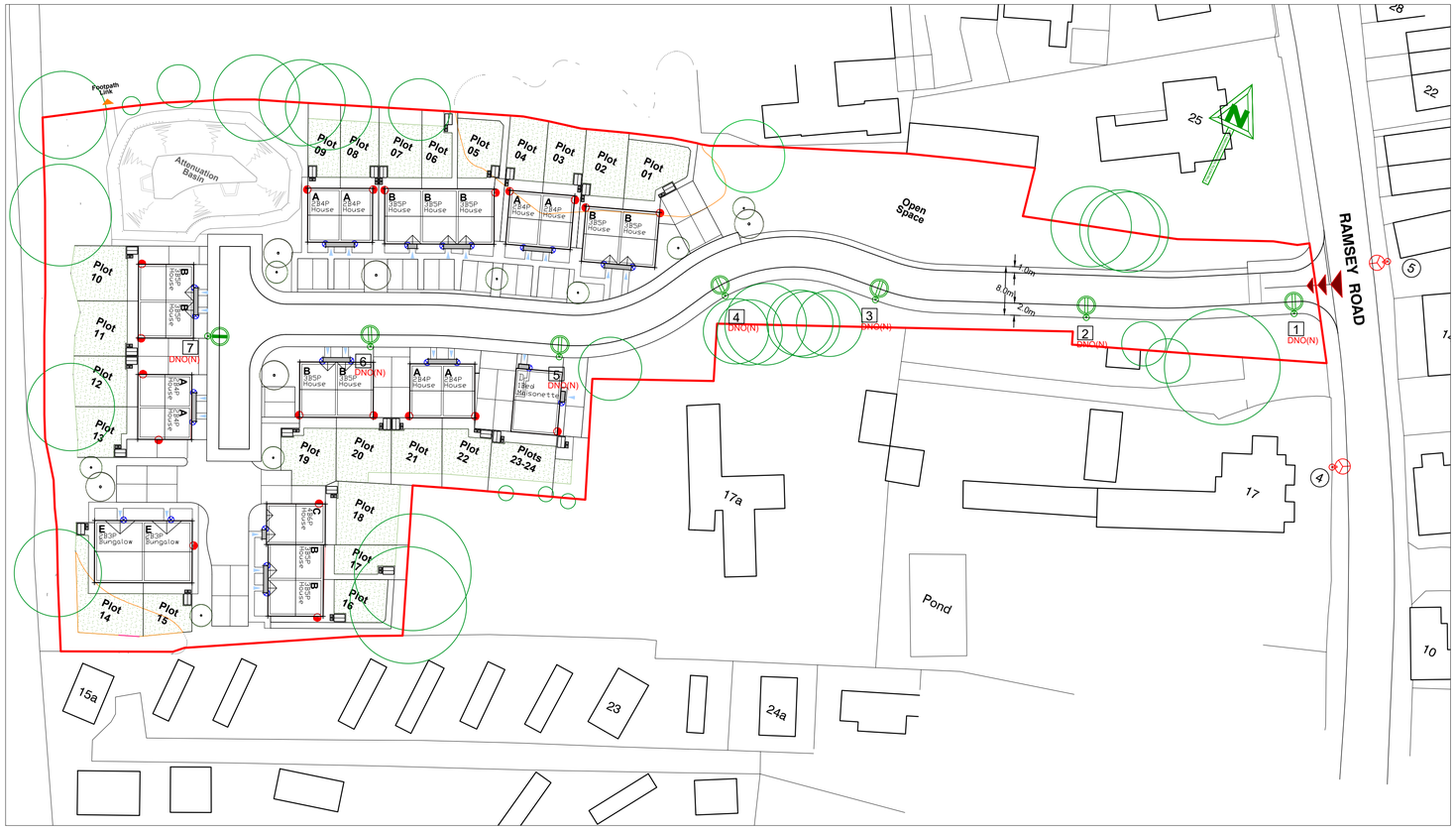
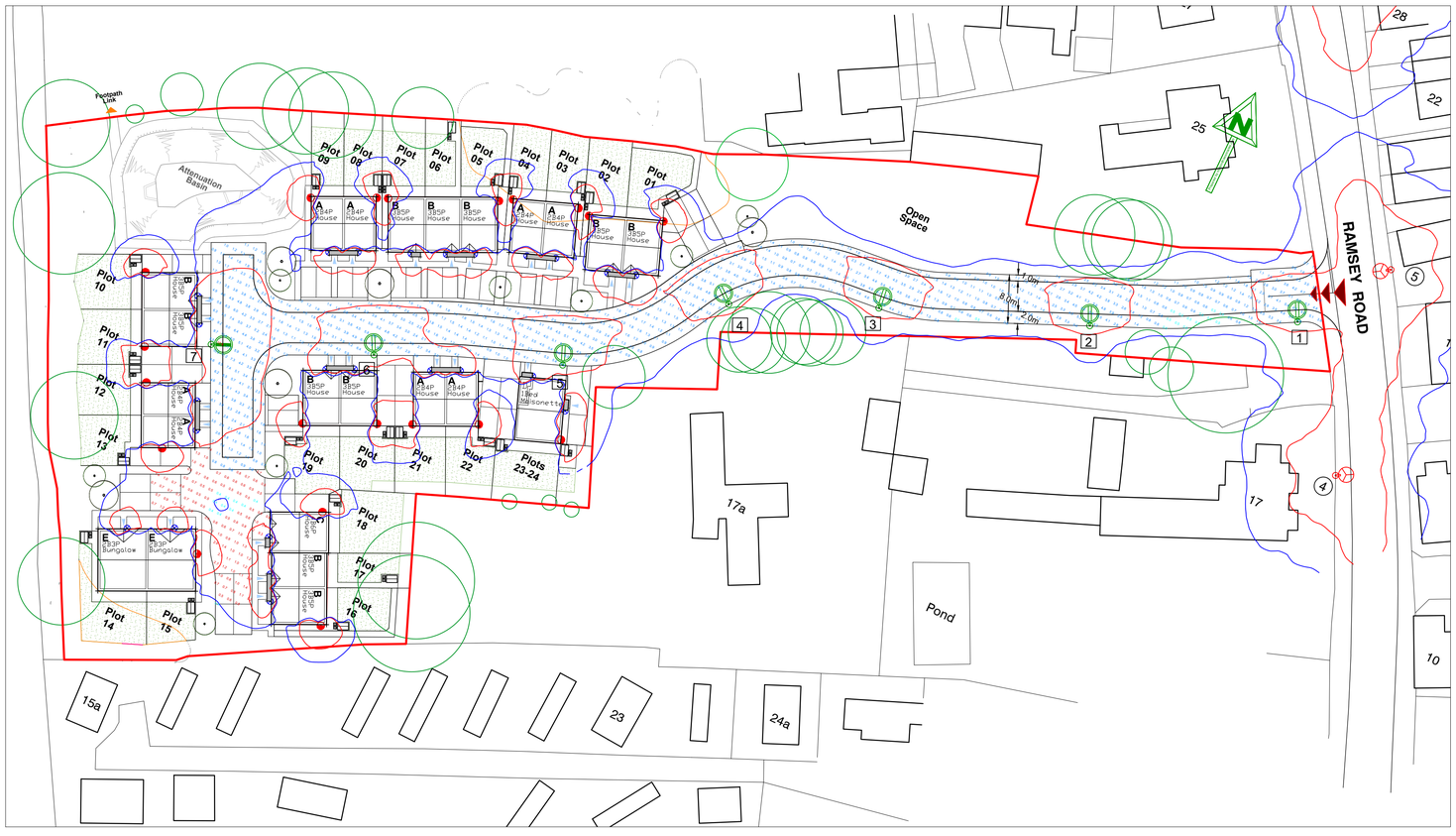




Notes

1. All works to be carried out in accordance with Cambridgeshire County Council Standard Development Specification Dated 03.01.2016.
2. Columns shall be fitted with secondary isolation above the DNO cut out. The Unit shall be as Cambridgeshire County Council specification i.e. Charles Endirect LDPFI 6 with a 6A BS88 Fuse Carrier. Fuse discrimination shall comply with BS7671 between the DNO cut out and the secondary isolation.
3. Columns shall be positioned at the back of the 2m footway where there is one. Other columns shall be positioned behind the service strip so the column is 1m (face of kerb to centre of column) behind the edge of the service strip. This may require modification of the adopted area.
4. Prior to any excavation the contractor shall have reviewed the existing services in the area of the excavation. Residual risks where known have been indicated. The have been based upon design drawing and may have changed at construction stage. Where there are known services in the vicinity of excavations the Contractor shall ensure hand digging is carried out with care. The Contractor shall arrange for statutory undertakers plant to be marked on site prior to excavation.
5. In this instance the use of 3 dimensional masking has been used in the private lighting to take into consideration the actual position of high sided objects such as buildings and the like.
6. Iso contours produced in this drawing have been created using a conventional symmetrical grid. This does not take into account the spacing or weightings as detailed in BS5489 or BS EN 13201-3:2015
7. Lanterns to be fitted with Telensa conduit cell and Philips Dali drivers
8. Testing and Commissioning of Central Monitoring System (CMS) to be arranged with Balfour Beatty (Cambridgeshire CC PFI contractor)
   cambsTelensa@Balfourbeatty.com
9. Telensa 7-pin NEMA nodes should be fitted to each luminaire. Telensa IDs must be recorded and issued in the final inspection submission pack to allow connection to the Telensa system.
   For any questions about CMS, please contact:
   cambsTelensa@Balfourbeatty.com
10. Column to be provided by CCC preferred PFI supplier
    Malatite Ltd
    Hardwick View Road
    Holmewood Industrial Estate
    Holmewood, Chesterfield
    Derbyshire, S42 5SA
    Tel: 01246 593282
    web :https://www.mallatite.co.uk
11. Where columns are not positioned in a footpath with a kerb raised above the road, the column will need to be installed in an additional area 1.5m x 1m. See Service strip column detail for further information
12. The lighting levels on this project have designed using BS5489-1:2020
13. Equipment shown on this drawing is available through most specialist street lighting electrical distributors like Exterior lighting Solutions (www.elsltd.co.uk admin@elsltd.co.uk), Marwood Electrical (www.marwoodelectrical.co.uk)
14. The drawing should be read in conjunction with the designers risk assessments provided separately. Significant risks which cannot be designed out have been identified on the drawings where necessary.

Key

- Proposed wall mounted bulkhead fitting to deliver 800 lumens from warm white LED with mini photocell and movement sensor
  Supplied locally from the plot
- Proposed wall mounted coach light by front door fitting to deliver 800 lumens from warm white LED with mini photocell and movement sensor
  Supplied locally from the plot
- 6 — Proposed steel galvanised road lighting column (see section 3.5 or CCC specification) of 6m nominal height with post mounted DW Windsor Kirium Pro mini lantern finished in light grey to CCC specification (KIRIUM PRO MINI 4LED 3k D2 600mA) at a 0° inclination fitted with warm white LED, integral dali enabled driver with 7 pin nema socket and Telensa conduit cell
- 1 — Proposed steel galvanised road lighting column (see section 3.5 or CCC specification) of 6m nominal height with post mounted DW Windsor Kirium Pro mini lantern finished in light grey to CCC specification (KIRIUM PRO MINI 8LED 3k D1 550mA) at a 0° inclination fitted with warm white LED, integral dali enabled driver with 7 pin nema socket and Telensa conduit cell
- Existing 8m column with Philips Mini Iridium lantern to remain, exact detail not know
- (2) Existing column number
- A6 Project reference (final numbering to be advised by CCC)
- DNO(N) New DNO supply
- 2.00 lux iso-contour line
- 0.40 lux iso-contour line
- Wattage:8w
  Charge Code : 42 0008 0000 100
  Switching Regime: by CMS
  Typical hours for eastern England 4103
- Wattage:13w
  Charge Code : 42 0013 0000 100
  Switching Regime: by CMS
  Typical hours for eastern England 4103

Private road
109 points at z=0, sp 1.5m by 1.5m
HORIZONTAL LUX

Average	0.9
Maximum	9.3
Minimum	0.4
Min/Avg(Uo)	0.424
Min/Max	0.043
Coef Var	0.996
UnifGrad	6.58

Road
817 points at z=0, sp 1.5m by 1.5m
HORIZONTAL LUX

Average	2.5
Maximum	13.6
Minimum	0.5
Min/Avg(Uo)	0.196
Min/Max	0.037
Coef Var	0.705
UnifGrad	3.12

	Comparable Level of Lighting Classes from EN13201-2:2015								
M Class	-	M1	M2	M3	M4	M5	M6	-	-
C Class	C0	C1	C2	C3	C4	C5	-	-	-
P Class	-	-	-	P1	P2	P3	P4	P5	P6

The use of warm white LED and the lowest lighting class of P6 has been made deliberant due to the ecology report stating the presence of bat near the site.
We are aware this may a departure from the Standard Council specification but have adopted the recommendations of the project ecologist

Summary of Lighting P Classes from EN13201-2:2015			
Class	Eave	E Min	E Ave Max
P1	15 lux	7.5 lux	7.5 lux
P2	10 lux	5 lux	5 lux
P3	7.50 lux	1.50 lux	11.25 lux
P4	5.00 lux	1.00 lux	7.50 lux
P5	3.00 lux	0.60 lux	4.50 lux
P6	2.00 lux	0.40 lux	3.00 lux

REV	DETAILS	DWN	DATE

Drawing Number: 3006-D-02
Revision: -

Client: Burmor Construction

Project: Ramsey Road, Warboys, Cambridgeshire

Drawing Title: Proposed Private + Adopted Lighting and Illuminance Layout

Scale at A1: 1-500
Sheet 1 of 1
Drawn: NWS
Date: 14.12.2023

Nick Smith Associates Ltd
lenax et fidelig
Tel: 01246 229444
Fax: 01246 270465
mail@nicksmithassociates.com
www.nicksmithassociates.com

All dimensions in metres

Plot Date : 15 December 2023 08:11:51 **Project No :** 3006 **AutoCAD File Name :** S:\Current\Projects\Burmor Construction\Ramsey Road, Warboys\drawings\3006-D.dwg