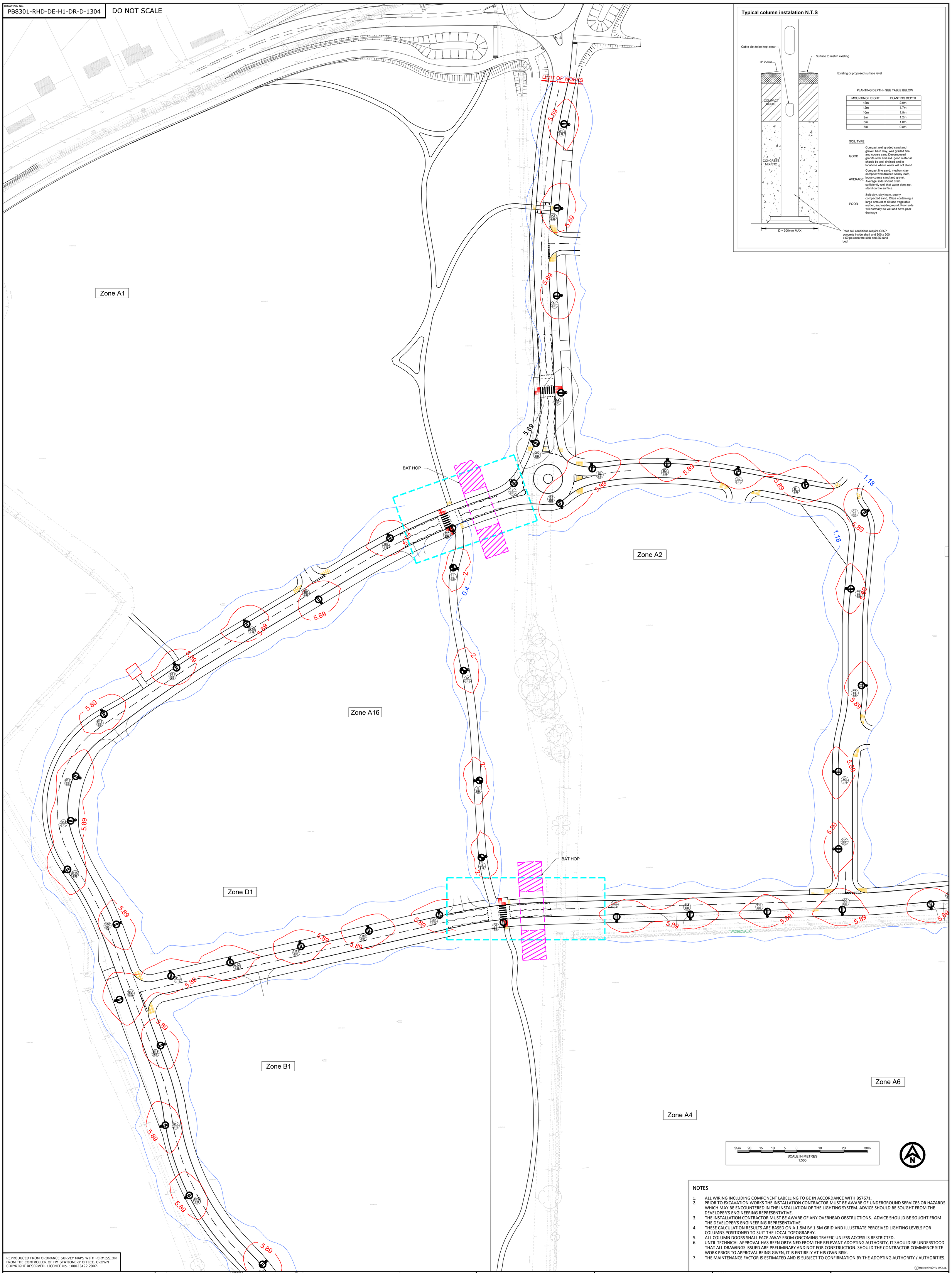
DRAWING No.
PB8301-RHD-DE-H1-DR-D-1304

DO NOT SCALE



Typical column instalation N.T.S

PLANTING DEPTH - SEE TABLE BELOW

MOUNTING HEIGHT	PLANTING DEPTH
15m	2.0m
12m	1.7m
10m	1.5m
8m	1.2m
6m	1.0m
5m	0.8m

SOIL TYPE

GOOD	Compact well graded sand and gravel, hard clay, well graded fine and course sand.Decomposed granite rock and soil. good material should be well drained and in locations where water will not stand.
AVERAGE	Compact fine sand, medium clay, compact well drained sandy loam, loose coarse sand and gravel. Average soils should drain sufficiently well that water does not stand on the surface.
POOR	Soft clay, clay loam, poorly compacted sand, Clays containing a large amount of silt and vegatable matter, and made ground. Poor soils will normally be wet and have poor drainage

NOTES

1. ALL WIRING INCLUDING COMPONENT LABELLING TO BE IN ACCORDANCE WITH BS7671.
2. PRIOR TO EXCAVATION WORKS THE INSTALLATION CONTRACTOR MUST BE AWARE OF UNDERGROUND SERVICES OR HAZARDS WHICH MAY BE ENCOUNTERED IN THE INSTALLATION OF THE LIGHTING SYSTEM. ADVICE SHOULD BE SOUGHT FROM THE DEVELOPER'S ENGINEERING REPRESENTATIVE.
3. THE INSTALLATION CONTRACTOR MUST BE AWARE OF ANY OVERHEAD OBSTRUCTIONS. ADVICE SHOULD BE SOUGHT FROM THE DEVELOPER'S ENGINEERING REPRESENTATIVE.
4. THESE CALCULATION RESULTS ARE BASED ON A 1.5M BY 1.5M GRID AND ILLUSTRATE PERCEIVED LIGHTING LEVELS FOR COLUMNS POSITIONED TO SUIT THE LOCAL TOPOGRAPHY.
5. ALL COLUMN DOORS SHALL FACE AWAY FROM ONCOMING TRAFFIC UNLESS ACCESS IS RESTRICTED.
6. UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT ADOPTING AUTHORITY, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ISSUED ARE PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT HIS OWN RISK.
7. THE MAINTENANCE FACTOR IS ESTIMATED AND IS SUBJECT TO CONFIRMATION BY THE ADOPTING AUTHORITY / AUTHORITIES.

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GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM NEWLYN UNLESS NOTED OTHERWISE.
4. THIS DRAWING HAS BEEN BASED UPON SURVEY / OS INFORMATION SUPPLIED BY INTERLOCKS SURVEYS LIMITED, ROYAL HASKONING DHV SHALL NOT BE LIABLE FOR ANY INACCURACY OR DEFICIENCIES ARISING FROM IT.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
6. ALL MATERIALS AND WORKMANSHIP WILL BE AS SPECIFIED IN THE SPECIFICATION UNLESS NOTED OTHERWISE.
7. ALL LEVELS, DIMENSIONS AND LOCATIONS ARE TO BE CHECKED BY THE MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.

77 Proposed
Column: 6m galvanised tubular steel column
Lantern: Phillips Micro Luma DX70 4600
Outreach: 300mm
Lumen Output: 4.6klm
Candela file: 'Luma Micro_BGP615_DX70_4600_20LED_5.1S_CLO_L90_NW.ies'

Bat Hops
Refer to lighting calculations for Lux levels

01 Proposed
Column: 5m mid-hinged galvanised tubular steel column
Lantern: Phillips Micro Luma DM10 1200
Outreach: 300mm
Lumen Output: 1.2klm
Candela file 'Luma Micro_BGP615_DM10_1200_6LED_5.1S_CLO_L90_NW.ies'

01 EB Proposed column scheme number
00 = Proposed Column number
EB = Proposed DNO connection

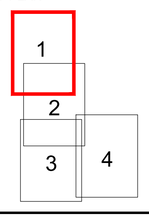
All numbering to be finalised with the authoritative engineer.

0.74 lux isolux contour line (BS5489: 2013 P4/S4 - minimum for with S/P ratio of 1.61)

3.69 lux isolux contour line (BS5489: 2013 P4/S4 - E_av minimum for with S/P ratio of 1.61)

(Image for illustrative purposes only)

KEY PLAN



REV	DATE	DESCRIPTION	BY	CHK	APP
P03	26/02/20	AMENDED TO DISPLAY BAT HOPS	JBW	PV	DJ
P02	04/02/20	UPDATED AS PER HA JANUARY COMMENTS	JBW	PV	DJ
P01	09/07/19	FIRST ISSUE	JBW	PV	DJ

REVISIONS

DRAWING STATUS PRELIMINARY

CLIENT
REDROW

PROJECT
GREAT WILSEY PARK

TITLE
RESERVED MATTERS

STREET LIGHTING LAYOUT
SHEET 1 OF 4

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DRAWN	CHECKED	APPROVED
JBW	PV	DJ
DATE JUL-19	SCALE AT A0 1:500	PROJECT NUMBER PB8301

DRAWING No. PB8301-RHD-DE-H1-DR-D-1301 REVISION P03