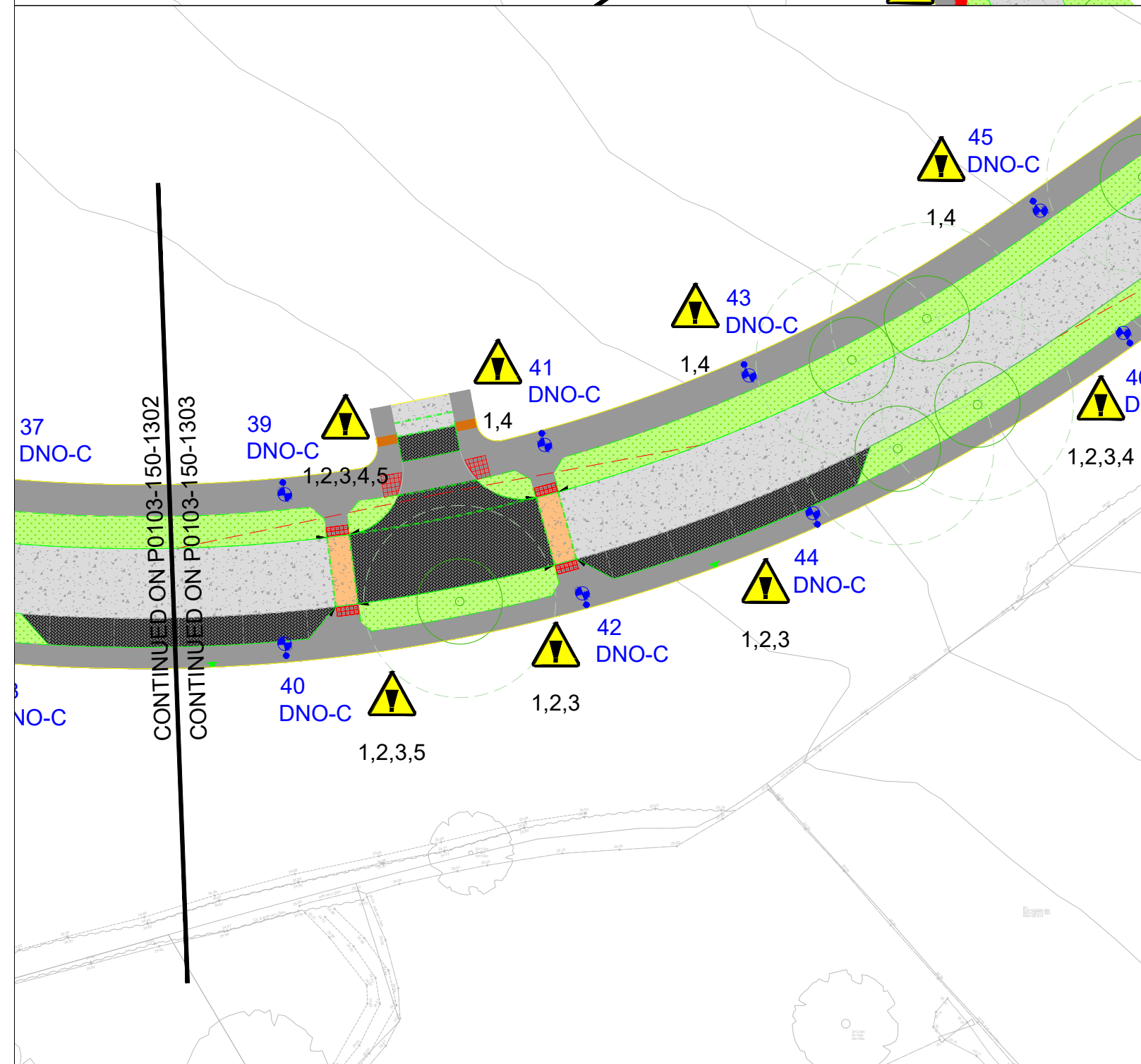
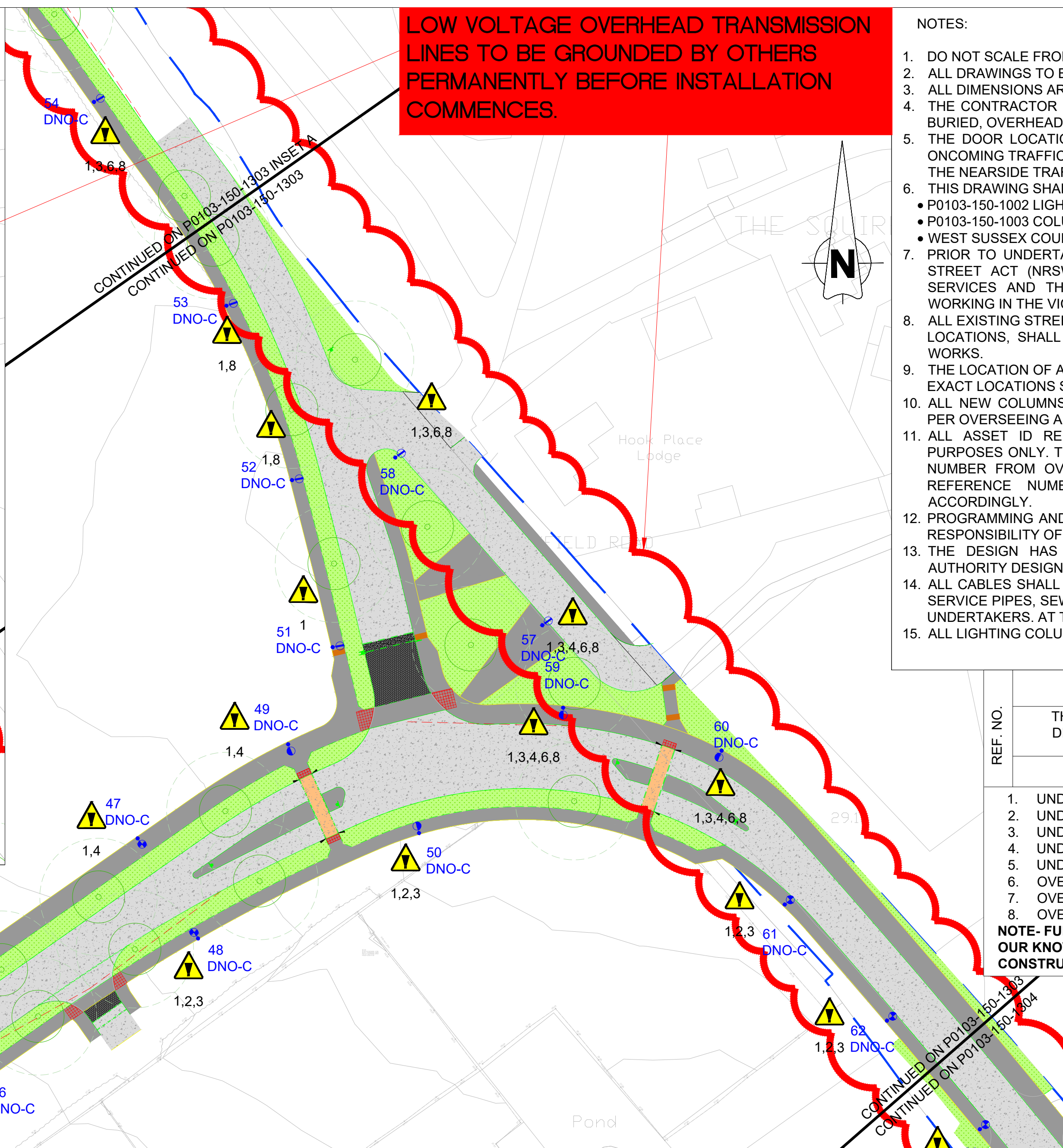




NO INSTALLATION, REMOVAL OR MAINTENANCE OF PROPOSED EQUIPMENT IS TO BE CARRIED OUT UNTIL DETAILED SAFETY ASSESSMENT HAS BEEN UNDERTAKEN



THE STREET LIGHTING ASSESSMENT IS CARRIED OUT ON THE ASSUMPTION THAT THE CURRENT OVERHEAD LINES WILL BE GROUNDED PRIOR TO THE COLUMN INSTALLATION.

- | REF. NO. | SIGNIFICANT RESIDUAL RISKS | |
|---|---|--|
| | THE FOLLOWING LIST PROVIDES A CROSS REFERENCE BETWEEN THIS DRAWING AND THE DESIGNER'S HEALTH & SAFETY RISK ASSESSMENT AND IDENTIFIES THOSE AREAS OF SIGNIFICANT RESIDUAL RISK | |
| | DESCRIPTION OF RISK | |
| 1. | UNDERGROUND LOW VOLTAGE SERVICES ARE PRESENT IN VICINITY. | |
| 2. | UNDERGROUND HIGH VOLTAGE SERVICES ARE PRESENT IN VICINITY. | |
| 3. | UNDERGROUND EXISTING WATER SERVICES PRESENT IN VICINITY. | |
| 4. | UNDERGROUND PROPOSED COMMS DUCTING PRESENT IN VICINITY. | |
| 5. | UNDERGROUND EXISTING GAS PIPE PRESENT IN VICINITY. | |
| 6. | OVERHEAD LOW VOLTAGE SERVICES ARE PRESENT IN VICINITY. | |
| 7. | OVERHEAD HIGH VOLTAGE SERVICES ARE PRESENT IN VICINITY. | |
| 8. | OVERHEAD TELECOM SERVICES ARE PRESENT IN VICINITY | |
| NOTE- FULL UNDERGROUND STATS INFORMATION SUBJECT TO CHANGE WITHOUT OUR KNOWLEDGE, FULL STATS PLANS ARE TO BE REVIEWED PRIOR TO CONSTRUCTION PHASE. | | |

K	DESCRIPTION OF RISK
1.	UNDERGROUND LOW VOLTAGE SERVICES ARE PRESENT IN VICINITY.
2.	UNDERGROUND HIGH VOLTAGE SERVICES ARE PRESENT IN VICINITY.
3.	UNDERGROUND EXISTING WATER SERVICES PRESENT IN VICINITY.
4.	UNDERGROUND PROPOSED COMMS DUCTING PRESENT IN VICINITY.
5.	UNDERGROUND EXISTING GAS PIPE PRESENT IN VICINITY.
6.	OVERHEAD LOW VOLTAGE SERVICES ARE PRESENT IN VICINITY.
7.	OVERHEAD HIGH VOLTAGE SERVICES ARE PRESENT IN VICINITY.
8.	OVERHEAD TELECOM SERVICES ARE PRESENT IN VICINITY
NOTE: FULL UNDERGROUND STATS INFORMATION SUBJECT TO CHANGE WITHOUT OUR KNOWLEDGE, FULL STATS PLANS ARE TO BE REVIEWED PRIOR TO CONSTRUCTION PHASE.	

DNO-C PROPOSED DISTRIBUTION NETWORK
OPERATOR SINGLE PHASE & NEUTRAL
CONNECTION REQUIRED.

SWITCHING & VARIABLE LEVEL OF LIGHTING :
LIGHTS ARE CONTROLLED VIA TELENESA CMS
SYSTEM. INDIVIDUAL TELENESA CMS
TELECELLS FIT INTO A 7-PIN NEMA SOCKET
THAT IS BUILT INTO EACH STANDARD ROAD
LIGHTING LANTERN. THE 7-PIN NEMA SOCKET
CAN ACCOMMODATE A STANDARD NEMA-TYPE
PHOTOCCELL, WHICH COULD BE FITTED
TEMPORARILY ALLOWING INSTALLATION OF THE
TELECELLS & BASE STATION AT A LATER
DATE (PRE ACCRUAL); ANY CONVENTIONAL
PHOTOCCELLS FITTED TEMPORARILY SHOULD
BE SET TO SWITCH ON AT 35 LUX & TO SWITCH
OFF AT 18 LUX.



Title

NORTHERN ARC AVENUE

CENTRAL SECTION

PROPOSED STREET LIGHTING LAYOUT

STREET LIGHTING

Scale	1:500 @ A1	
Drawn	□J	Date 12/24
Traced	□J	Date 12/24
Approved	RG	Date 12/24
Issued	03	Date 12/24
Project Code. P0150		
Dwg. No. P0103-150-1303		

STANDARD DETAILS FOR 8m "POST TOP" TUBULAR STEEL PLANTED COLUMNS
AS PER WSCC STREET LIGHTING SPECIFICATION (DOC REF: WSCC-SD1-1400-032)

76.1

120

88.9

Nominal height of column (height above ground level)

1800mm

168.3

Door opening 500 x 100

Door lock M8 stainless steel bolt with anti-vandal hexagonal socket & integral centre-pin

Height of door above ground (See manufacturer's detail drawings)

500

(1200) Planting depth

Cable entry opening 150 x 75

Design Standards	BS EN 40.3.1, BS EN 40.3.3, PD6547-2022
Design Life	50 years
10 min mean wind velocity	22m/s
Terrain Category (inland)	II - 8m
Max altitude (inland)	132m
Terrain category (coastal)	I - 8m
Max altitude (coastal)	100m

Standard dimensions and minimum performance criteria		
Dimension	Nominal Height	8000
	Planting depth	1200
	Base diameter	168.3
	Shaft diameter	88.9
	Height of door above ground*	400
Performance criteria	Size of door aperture	600 x 115
	Luminaire weight	20.0kg
	Luminaire windage	0.17m²
	Luminaire tilt**	5°
	Sign height above ground	2.5m
	Sign eccentricity	0.4m
	Sign area	0.6m²
	Sign weight	5.0kg
	Sign drag coefficient	1.8
* May vary - see manufacturer detail and data sheet		
** Maximum tilt capability. Tilt will be stipulated in design drawing		

Protective system and paint specification for tubular steel columns
Paint system applied direct to clean de-greased, lightly abraded hot-dipped galvanised steel
Suitable two-pack epoxy primer, dry film thickness 75 microns (including internal surface to 250mm above ground level)
Polysiloxane finish PSX 700, dry film thickness 75 microns
Paint to be factory applied. Finish colour as per WSCC lighting specification for the given region unless otherwise specified

- Notes
1. All dimension in millimeters.
 2. Columns must comply with BS EN 40, PD6547:2022 and departmental standard BD 94/17 in addition to the WSCC column specification; designers to verify that column proposed is suitable for any proposed attachments; data sheets to be provided.
 3. Column base backboard 500x85mm and made of treated hardwood of sufficient size to accommodate all control equipment, cut-outs and service cut-outs; boards shall be positively secured to the column by two flush screws.
 4. Extraneous attachments (if agreed) to be fixed with circumferential clamps of stainless steel AISI Grade 201 with Neoprene gasket under the clamps to prevent damage to the column and its protective coating.
 5. Columns in exceptional locations (on embankments, coast locations, etc); columns with brackets; columns with multiple luminaires or brackets; these may require special column design.
 6. For column foundation schematic see WSCC-SD1-1400-051. Columns in exceptional locations may need special foundation design.
 7. Column setbacks will be stipulated in design drawing.

Notes for standard isolation & Internal Wiring (as per WSCC Street lighting specification)

- Secondary isolator - where units are supplied via statutory cable connections (DNO, IDNO) they shall be fitted with a secondary isolator in addition to the DNO/IDNO double pole supply cut-out. Secondary isolator type to be Tofo type 1 with BS88 fuses.
- Internal wiring - columns $\leq 10m$ - 1.5mm²
3-core flex cable from the secondary isolator to the lantern.
- Internal cabling to be neatly clipped to the backboard by use of 2no. fixed plastic cable clips securing the flex to the backboard. All fixing screws to be stainless steel.
- There should be no earth connected to the removable door.