

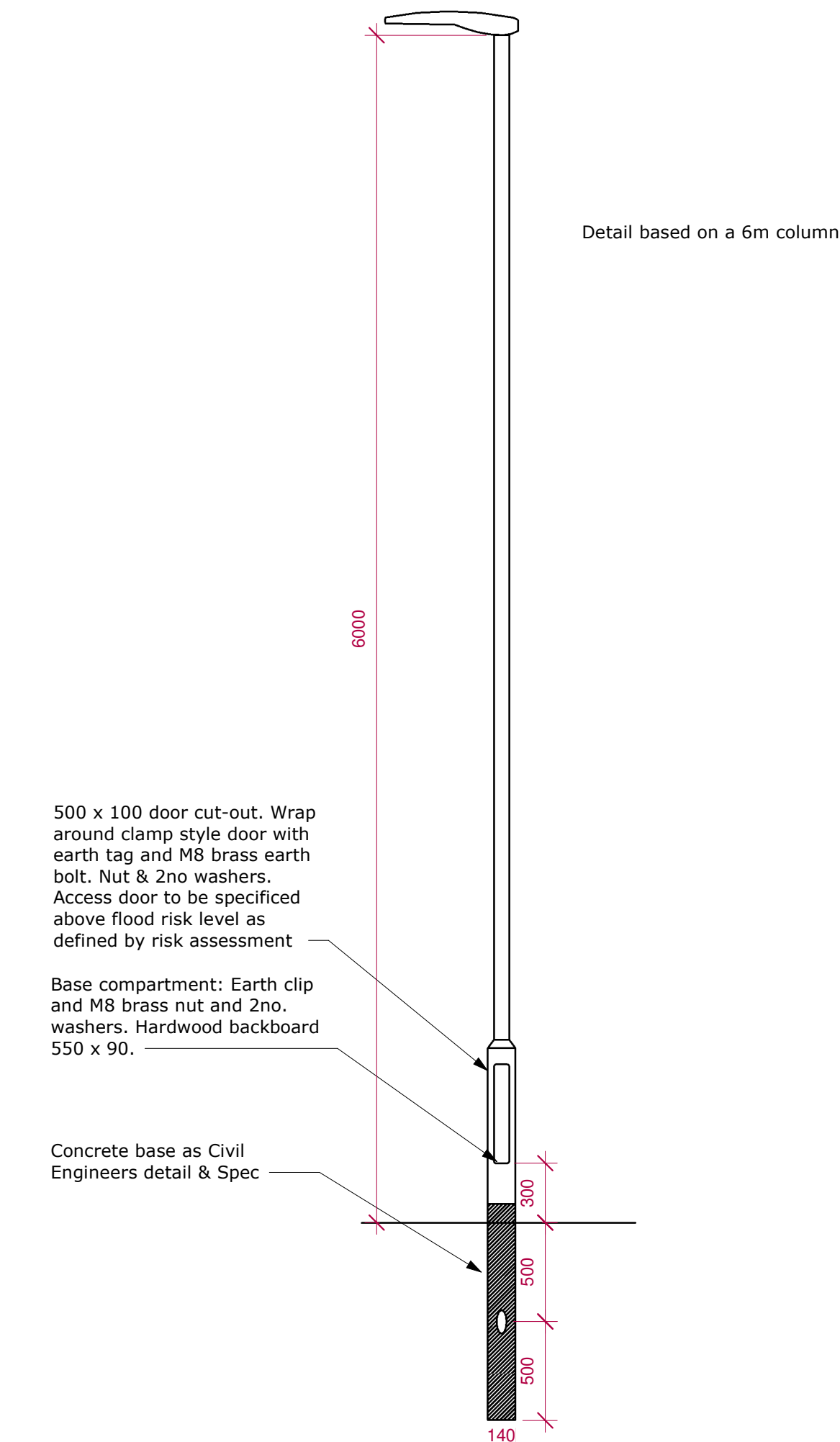
External Services  
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Legend	Manufacturer	Description	Image
X1	Thorn	Column mounted street luminaire IP65 marine grade finish	
X2	Thorn	Wall mounted IP65 luminaire with marine grade finish	

Service	Duct or Pipe	Duct or Pipe Surround	Marker	Minimum Depth Footway/Verge	Carriageway
Electricity HV	125mm ID Polypropylene Rigiduct Power Class 2 Red to ENA TS 12-24	75mm sand surround	High visibility Sta-Bond protection to be installed above ducts at 450mm. To ENA TS 12-23 'Caution Electric Cable Below'	450mm	750mm
Electricity Low Voltage	125mm ID Polypropylene Rigiduct Power Class 2 Black to ENA TS 12-24	75mm sand surround	High visibility metal-detectable marker tape to be installed at 450mm 'Caution Electric Cable Below'	450mm	600mm
Electricity Low Voltage	50mm ID Polypropylene Rigiduct Power Class 2 Black to ENA TS 12-24	75mm sand surround	High visibility metal-detectable marker tape to be installed at 450mm 'Caution Electric Cable Below'	450mm	600mm
Data Duct	Openreach 90mm PVC Duct with draw-rope	75mm sand surround	High visibility metal-detectable marker tape to be installed at 450mm 'Caution Electric Cable Below'	450mm	600mm
Water Pipe	Blue polymer with brown stripes (non-removable skin) Protecta-Line Barrier Pipe	75mm pea gravel	High visibility metal-detectable marker tape to be installed at 450mm 'Caution Water Main'	750mm	750mm
Low Pressure Gas Main	HDPE yellow gas service	75mm pea gravel	High visibility metal-detectable marker tape to be installed at 450mm 'Caution Gas Main'	750mm	750mm
Concrete Pre-formed Trough System	FP McCann Trough MT Range 1000w 750h (supplied in 3m lengths)	n/a	n/a	n/a	n/a

BT Openreach 450 x 450 man-hole with lid suitable for installation location  
 Man hole - 300 x 300 with lid suitable for installation location  
 Man hole - 600 x 600 with lid suitable for installation location  
 2m x 2m Turning pit for HV cables  
 Fire Hydrant (Existing)

- External services notes
- The contractor shall examine the drawings and visit site before the works commence to ascertain all local conditions/restrictions likely to affect the execution of the works. No claims arising from failure to do so will be considered.
  - This drawing is to be read in conjunction with all accompanying H&S services general arrangement drawings and schedules.
  - All positions are approximate and to be agreed on site.
  - Equipment positions are necessarily co-ordinated; however, it shall be the contractor's responsibility to ensure full co-ordination with the building structure and other services.
  - The containment and electrical distribution installations shall be installed in accordance with BS7671 IET wiring regulations and applicable British standards.
  - Final locations and heights of containment and routes are to be agreed with the architect and client prior to installation.
  - External lighting shall be controlled by astronomical photocell and timeclock with manual override.
  - Utilities diversions including power, water, gas and telecoms have not yet been finalised.
  - Refer to individual building layouts for building mounted CCTV and external lighting locations.



Electrical Detail - Column  
1 : 25

Revision	Description	Date
R08	EV Charging Specification	28.10.23
R07	Approved for work issued	18.10.23
R06	Updated Car Park Issues	09.10.23
R05	External Services Issues	03.08.23
R04	Revised External Services	03.07.23
R03	Revised External Lighting	Delta 3
R02	Delta 3 Issue	03.05.23
R01	Delta 3 RFP Issue	20.04.23



53 - Review & Comment



Project: Scarborough - West Pier

Drawing Title: Combined External Services

Drawing Number: 22113-RCE-CES-XX-DR-ME-XX-01

Rev	Designed	Checked	Scale
R08	JO/ET	LB/IGN	As Indicated (BAU)

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