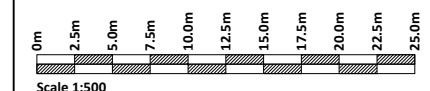


Legend	
LM	LIGHTING MAST
SA	SURGE ARRESTER
VT	VOLTAGE TRANSFORMER
CT	CURRENT TRANSFORMER, SINGLE PHASE
PI	POST INSULATOR
LT	LINE TRAP (TYPICALLY R & T PHASES)
DL/DE	LINE/EARTH DISCONNECT
DT/DEM4	TRAF0/EARTH DISCONNECT
CB	CIRCUIT BRAKER
DA	BUSBAR DISCONNECT
DB	BUSBAR DISCONNECT
SA1/SA2 SB1/SB2	SECTIONALISER DISCONNECT

New Loop Station

- Note 1:**
This is a conceptual design for guidance only. All dimensions and references given are indicative only. Layout to be further optimised during detail design pending specific equipment supplier and site details.
- Note 2:**
Additional post insulators may be required, subject to detail design. Not shown for clarity.
- Note 3:**
Vehicular access to all HV plant shall be permitted without the need for unnecessary proximity outages. Consideration of LV cable trench layouts and traffic-able trench covers shall be considered during detailed design.
- Note 4:**
Lightning mast, LV trench duct routes, marshalling/interface cabinets and lighting fixtures shall be considered during detail design.
- Note 5 (as illustrated on drawing):**
The low level T & S phase bay conductors are arranged closer together to avoid unnecessary proximity outages on adjacent bays. To be repeated for all bays.
- Note 6 (as illustrated on drawing):**
Independent supported span on low level bay conductors between DA and DB. The connection at the PI should be able to be broken to allow the link between DA and DB to be disconnected.
- Note 7 (as illustrated on drawing):**
Distance between CT and CB on wing coupler to be a minimum of 6500mm from the busbar side of the open disconnect. Distance between disconnect and adjacent low level bat conductor to be a minimum of 6500mm.
- Note 8 (as illustrated on drawing):**
6500mm distance required between busbar and CB on each bay.
- Note 9 (as illustrated on drawing):**
Diesel generator and station rural feeding arrangement shall be in line with Eirgrid station auxiliary power supplies specification.



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Rev.	Description	App By	Date
A	ISSUE FOR COMMENT	JH	27.09.19

PROJECT	CLIENT			
COOM GREEN ENERGY PARK	CROOM GREEN ENERGY PARK LIMITED			
SHEET	Date	27.09.19	Project number	P20-099
	Drawn by	SOC	Drawing Number	P20-099-0300-0001
	Checked by	SOC	Scale (@ A3-)	1:500
			Rev	A

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08 December 2020