



**GENERAL NOTES**

- Copyright of this drawing is reserved by JODA Engineering Consultants 2023.
- This drawing shall be read in conjunction with all relevant project drawings and specification.
- All errors & omissions to be reported to the consulting engineer.
- Do not scale dimensions from this drawing, use figured dimensions only.
- JODA Engineering Consultants accepts no responsibility for errors made as a result of scaling of any unfigured dimension from this drawing.

**Notes**

**Ducting Notes:**  
Ducts used in the Works shall conform to the requirements of the relevant service provider. Each service provider has particular requirements regarding ducting, which shall be observed by the Contractor. Ductwork shall typically be Unplasticised PolyVinylChloride (UPVC) spigot and socket pipes in conformance with ISEN 50086-2-4:1994 "Conduit Systems for Electrical Installations Part 2-4: Particular Requirements for Conduit Systems Buried Underground". Ducts shall be semi-rigid and with a high performance with regard to crushing, deformation and impact damage. The internal bore of the ducts shall be smooth.

The alignment of the duct run shall be as straight as possible in the horizontal and vertical directions. Minimum cover to top of the barrel of the ducts from finished ground level shall be 750mm in roads and vehicular-trafficked areas, 600mm in footpaths and landscaped areas. Where ducts in footpaths and verges intersect entrance roads, the ducts shall be gradually sloped downwards so as to obtain the minimum 750mm clearance under trafficked areas, unless by agreement otherwise with the Engineer.

Where a conflict between electricity service ducts and other buried services occurs at a crossing of services, the electricity supply ducts shall be laid under the other service in the first instance

The electricity supply network is categorized according to the line voltage in the network, as follows:

- High Voltage (HV) - 38kV and greater
- Medium Voltage (MV) - 10kV and 20kV
- Low Voltage - 230V (phase to neutral), 400V (phase to phase)

The Contractor shall employ a suitably qualified person to inspect each MV substation and complete the ESB Networks "Certificate of Completion for MV Substation" document prior to handover to ESB Networks for electrical installation

**Junction Box Notes:**  
All ducting service chamber covers and trench lids used throughout the site circulation areas & loading/unloading areas must be suitable IK rated standards and suitable bearing weight of HGVs

**Legend - Proposed Services**

- General Power
- Coms
- MV Ducting
- Power Ducting for Barriers
- Coms Ducting for Barriers
- 600mmx600mm Utility Chambers
- Power and Coms Pop ups
- EIR Ducting
- LV Ducting
- THORLUX LIGHTING - SB031A2 6m single arm [IM] Pole mounted light
- 600 X 600 Lighting Chambers
- ESB - 160mm ESB Approved Duct
- EXT. LGT - 125/50mm Public Lighting Duct



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Client: Health Service Executive

Project: University Hospital Kerry

Proposed Services - Building Compound & New Road Ducting Routes

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