



- Notes:
- 1) Proposed lighting ducts shall be Polypipe Ridgiduct ducts and fittings.
  - 2) All proposed ducts shall incorporate a 10mmØ polypropylene pull rope and end cap.
  - 3) Handling and installation of all new ducts shall be in strict accordance with the manufacturers guidelines.
  - 4) All bends shall be as per manufacturers maximum bending radius specification.
  - 5) Proposed ducting chamber cover shall be a ductile iron cover load classification C250 in untrafficked areas and D400 in trafficked areas to IS EN 124.
  - 6) It will be the contractors responsibility to coordinate the installation of all underground services. It shall be carried out in accordance with the HSA's "Code of practice for avoiding danger from underground services".
  - 7) Proposed lighting column Luminaire shall be:
    - Type 1 Roads = 8m High 250W HPS-T High Pressure Sodium Lamp
    - Type 2 Carpark = 8m High 400W HPS High Pressure Sodium Lamp
    - Type 3 Service Yards = 8m High 400W Flood Lighting High Pressure Sodium Lamp
  - 8) Reproduced from the Ordnance Survey by permission of the Government, licence No. EN 0002815.

- Legend:
- Proposed External Lighting Ducts
  - Proposed Ducting Chambers
  - Lighting Type 1 - Column Mounted
  - Lighting Type 1 - Wall Mounted
  - Lighting Type 2 - Column Mounted
  - Lighting Type 3 - Column Mounted
  - Lighting Type 3 - Wall Mounted

Area	Min. Ave illuminance (E <sub>av</sub> )	Min. illuminance (E <sub>min</sub> )	Uniformity (U <sub>o</sub> )	Standard
Roadway	10Lux	3Lux		BS EN 13201-2
Queuing Area	15Lux		0.40	BS EN 13201-2
Footpath	5Lux		0.25	BS EN 12464-2
Carpark	10Lux		0.25	BS EN 12464-2
Loading Bay/ Service Yards	50Lux		0.40	BS EN 12464-2

PL1	11/12/15	J.B.	J.B.	JMacC
Issued for Planning				
Rev	Date	By	Chkd	Appd

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Client  
**INDAVER**

Project Title  
 Ringaskiddy Resource Recovery Centre

Drawing Title  
 Proposed External Lighting Layout

Scale at A1 1:500

Role	Site Infrastructure
Suitability	Planning
Arup Job No	238129-00
Name	C-000-041
Rev	PL1