



Technical drawing of a street lamp foundation showing cross-section and dimensions.

Dimensions:

- Overall height: 3225
- Height of concrete base: 1100
- Height of stone layer: 150
- Base width: 600

Labels and Components:

- 50 mm Hydrodare for earth wire
- 150 mm thick top layer of stone consisting of 50 mm single sized crushed Limestone.
- Compound Finished Stone Level
- Concrete backfill
- Concrete Pipe
- 110 mm $\varnothing$ supply duct to lamp standard
- 600x600x100 mm deep lean mix concrete base

Lamp Post & Surround Detail

Expansion joints should comprise of the following:

- A joint filler board 25 mm thick self expanding cork seal or from another approved compressible material
- Dowel bars in an approved sheath shall be 25 mm $\varnothing$ at 300 mm spacing conforming to IS EN 13877-3 with a minimum tensile strength of 250MPa
- A sealing groove as above

Expansion joints
max. 42 m c/c

Seal

Joint filler

Dowel bar covered by approved sheath

Concrete Access Road Expansion Joint

50 mm Deep sawcut

Contraction joints
max. 14 m c/c

Contraction joints should comprise of the following:

- A sawn groove joint 10 mm wide at least $\frac{1}{4}$ the slab depth
- Dowel bars shall be 20 mm $\varnothing$ at 300 mm spacing conforming to IS EN 10060 and IS EN 13877-3 with a minimum tensile strength of 250 MPa
- A sealing groove (seals shall be hot applied sealants Type N1 or Type F1 complying with IS EN 14188-2 and applied in accordance with BS 2499-2)

Dowel bar

The diagram illustrates a cross-section of a concrete slab with a central contraction joint. On either side of the joint, there are horizontal lines representing sawcuts, labeled '50 mm Deep sawcut'. Below the slab, a horizontal line represents a 'Dowel bar'. The distance between the contraction joints is labeled 'Contraction joints max. 14 m c/c'. The slab is filled with a stippled pattern representing aggregate. Arrows point from the text labels to the corresponding features in the diagram.

Concrete Access Road Contraction Joint

300 mm deep compacted CL804 hardcore

R.C. Slab with C503 Mesh (50 mm cover)
min 300 mm laps and U4 brushed finish

50 mm Concrete blinding

4500

2.5% fall

200

Typical Section - Concrete Access Road

2 No. Coats of Cationic Bitumen Emulsion (70% Bitumen Content) in Accordance with Clause 919

40 mm Surface Course - Clause 912

75 mm Binder Course - Clause 906

100 mm Base Course - Clause 906

300 mm deep compacted CL804 hardcore

Precast Concrete Kerb with Grade C16/20 Concrete Bed & Haunch

4500

2.5% fall

200

Typical Section - Asphalt Access Road



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PROJECT

East Limerick Substation Development

CLIENT



CONSULTANTS



NOTES: -

- This drawing is to be read in conjunction with relevant engineering drawings, specifications and reports.
- Dimensions are in millimeters, unless noted otherwise.
- Drawings are not to be scaled use figured dimensions only.

LEGEND: -

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