

NOTES

FIBRE REINFORCED CONCRETE SPECIFICATION

The Concrete shall be reinforced with a mixed dose of High Performance Polymer fibres and discrete graded fibrillated filament fibres. These fibres shall be provided as a coarse filament in an engineered contoured sinusoidal profile, of not less than 600 denier and discrete graded fibrillated filament fibres, of not greater than 6 denier. These fibres are to be manufactured from virgin polypropylene and added to the concrete, at the rate of 4.6kg per cubic metre. The 4.6kg shall consist of 3.8kg of HPP and 0.8kg of discrete graded fibrillated filament fibres.

OR
Two (2) bags of Novomesh HPP as supplied by Tapex Concrete Fibres Queensland, or approved equivalent, added per cubic metre.

GENERAL

- It is desirable to provide minimum clearances of 0.5m from property boundary and 0.8m from back of kerb. It is preferred to align the pathway outside the underground services locations situated in the road reserve, working from back of kerb as the first option.
- Kerb ramps to be constructed in accordance with Thuringowa City Council standard drawing 10085.
- Where pathway replaces a residential driveway, upgrade concrete depth to 150mm. Where driveways are too steep the pathway may need to be diverted towards the property boundary to achieve 2.0% crossfall.
- Where pathway alignment clashes with the power pole alignment, deviate pathway around poles to achieve a minimum clearance of approximately 0.2m from the poles.

JOINTS

- Provide Tooled joints at a maximum spacing approximately equal to the width of the concrete path.
- Provide Key Control joint at 6.0m maximum spacing.
- Provide Expansion joint at 24.0m maximum spacing. Joints to be filled with approved filler and sealant.
- Construction joint to be provided adjacent to all concrete property crossings and where any variations occur.

VEGETATION

- Grassed area disturbed by construction shall be trimmed and revegetated on completion of the pathway. Where the existing footpath is well grassed and maintained, provide a 0.5m wide strip of turf to both sides of pathway. Turfing to match existing grass species where possible. Where existing footpath is bare or not maintained, provide a 0.5m wide strip of good quality topsoil. Disturbance to established vegetation should be minimised during construction.
- The Contractor shall liaise with the resident and Parks Services prior to removal and trimming of trees. Where trees are removed, the Contractor shall arrange for Parks Services to replace them with a suitable variety of tree outside the pathway alignment.
- The construction site shall conform to the requirements of Environment Management. Refer to the Council Specification "Integrated Environmental Management System (City of Thuringowa) - Construction and Maintenance Environmental Management Plan" (GHD, December 1998).

SERVICES

- Existing irrigation pipes and sprinklers disturbed by construction is to be reinstated with sprinkler heads placed 0.5m from the face of kerb.
- Fire Hydrants and Sluice valves disturbed by construction of the pathway are to be made flush with the pathway and recapped appropriately.
- Electricity, Telecommunications and Gas service covers that are disturbed by construction of the pathway are to be made flush with the pathway and recapped appropriately. Refer to the relevant Authority for the work to be carried out.

EXISTING PERMANENT SURVEY MARKS AND IRON PINS

- The Foreman shall arrange for the City Surveyor to locate and expose the existing PSM's and Iron Pins. Where the PSM and Iron Pin location clashes with the pathway alignment, a cast iron cover box shall be installed and finished flush with the final pathway level as directed by the City Surveyor. The alignment of the pathway may be varied to preserve the PSM's and Iron Pins.

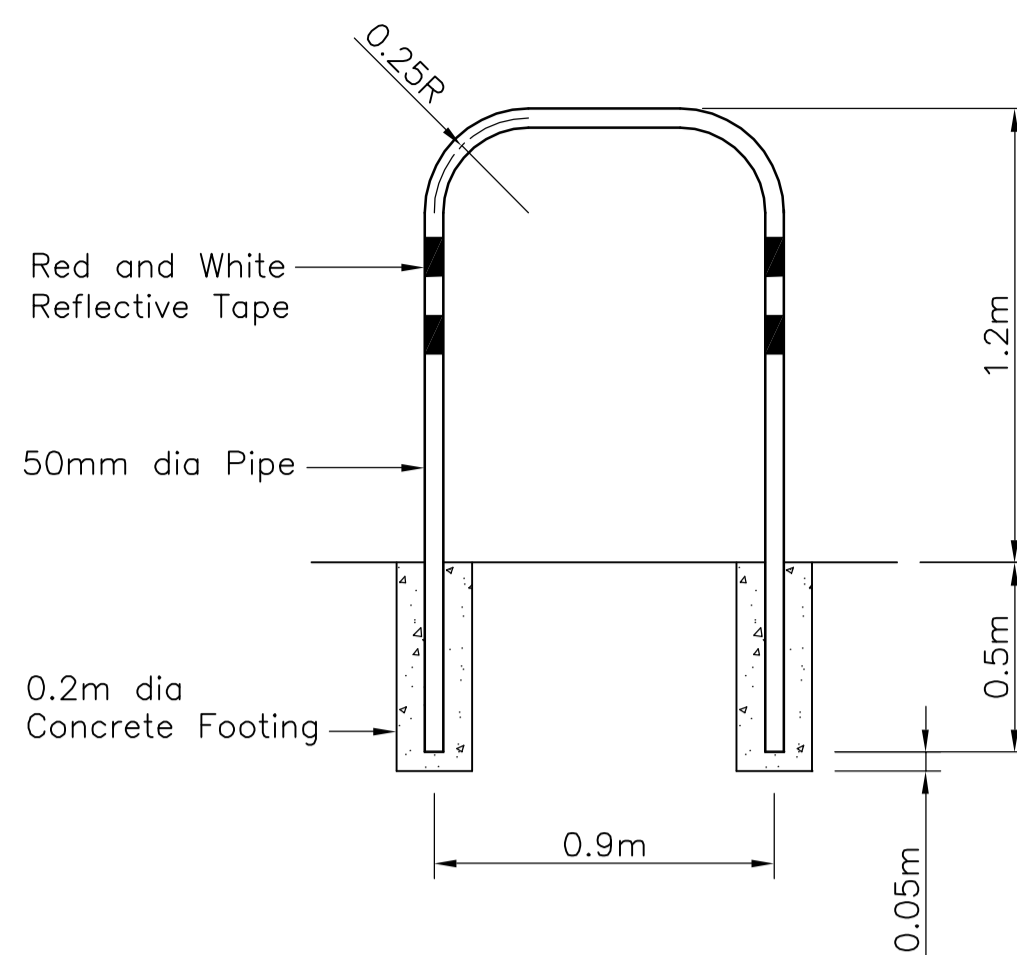
RP743621 SP801495

UNDERGROUND SERVICES SHOWN APPROXIMATELY ONLY.
EXACT LOCATIONS TO BE DETERMINED ON SITE,
BY FOREMAN, PRIOR TO COMMENCEMENT OF CONSTRUCTION.

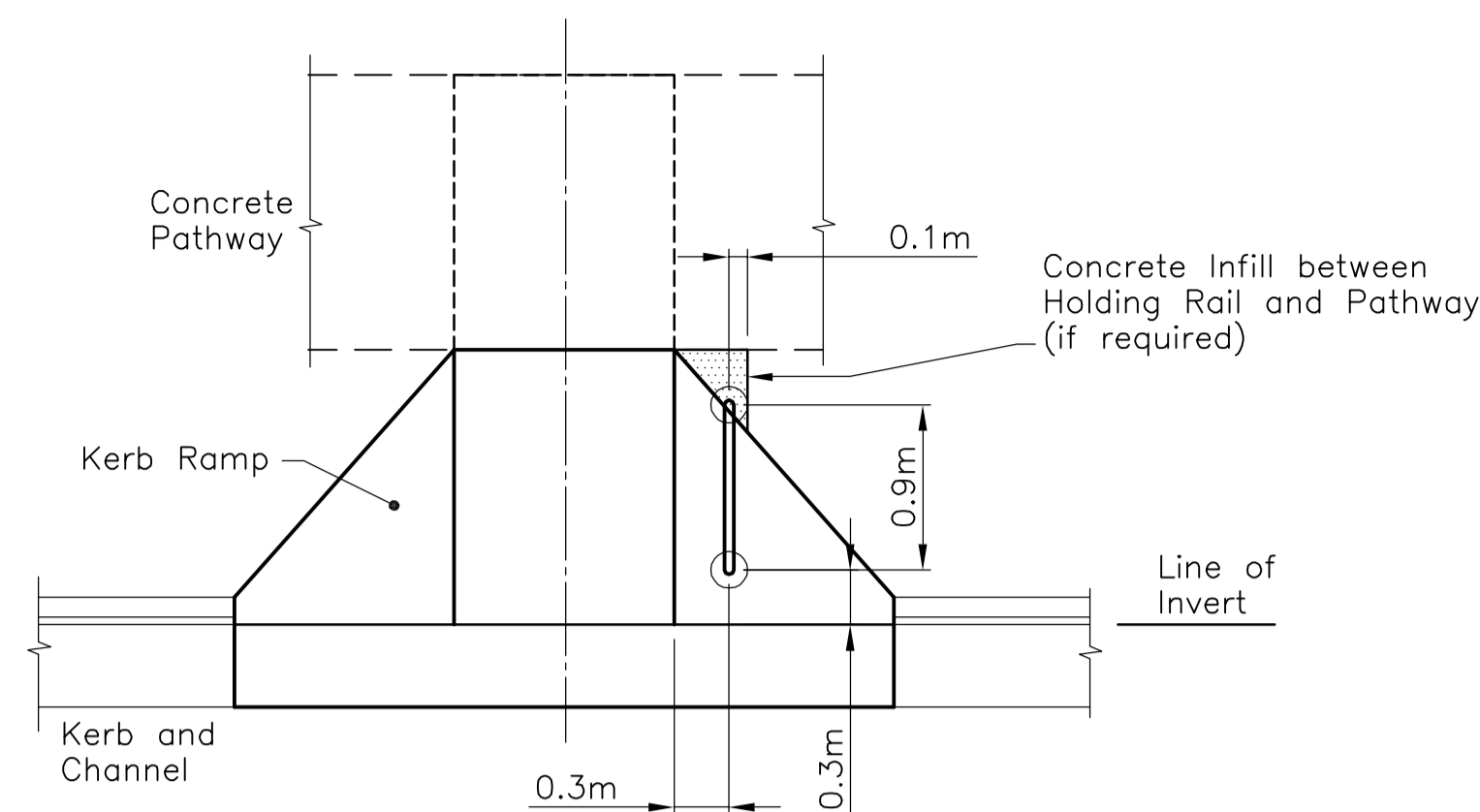
LEGEND

Concrete pathway		Light pole/Power pole	
Asphalt pathway		Telstra pit	
Existing pathway areas		Fire Hydrant/Sluice Valve	
Existing Garden Beds		Iron Pin	
Water main		Permanent Survey Mark	
Stormwater line		Rubbish Bin	
Sewer main/Manhole		Existing Kerb Ramp	
Holding Rail		Stormwater Pit	
Signs			

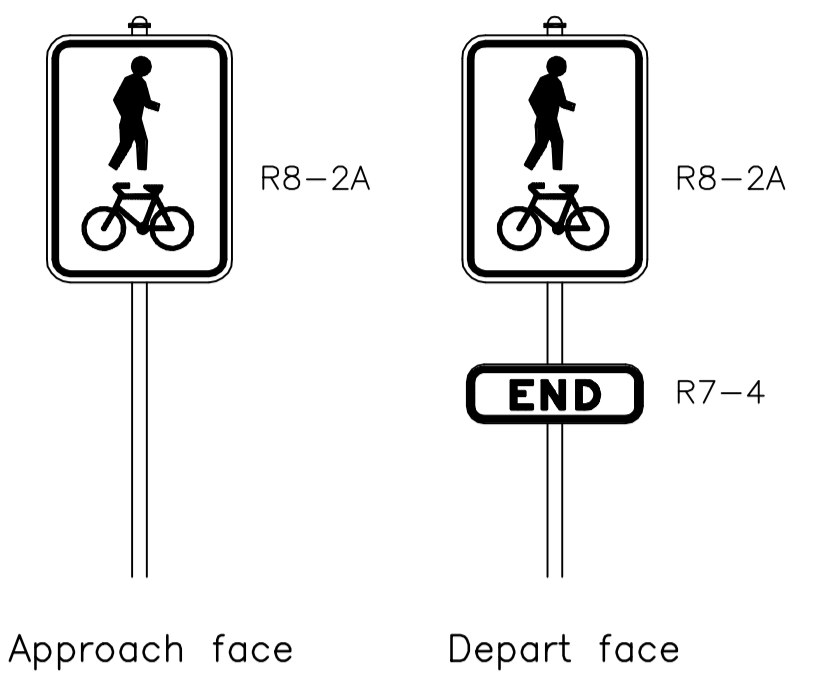
STANDARD NOTES AND LEGEND
DISPLAYED ON A PATHWAY DRAWING



HOLDING RAIL DETAIL

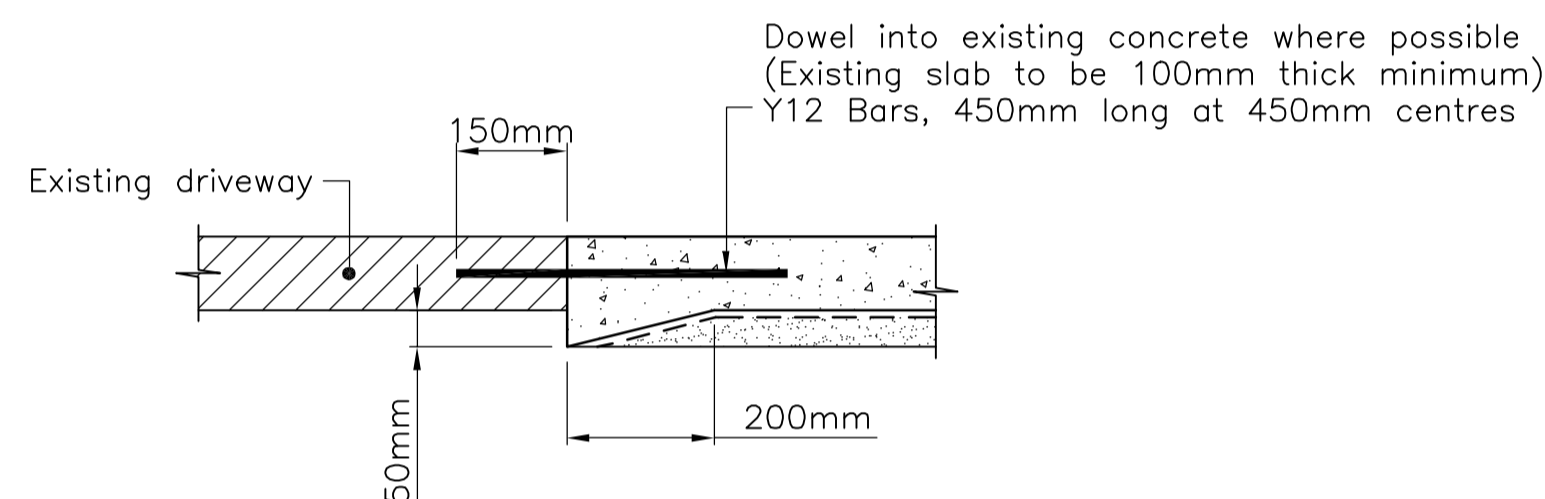


HOLDING RAIL LOCATION PLAN

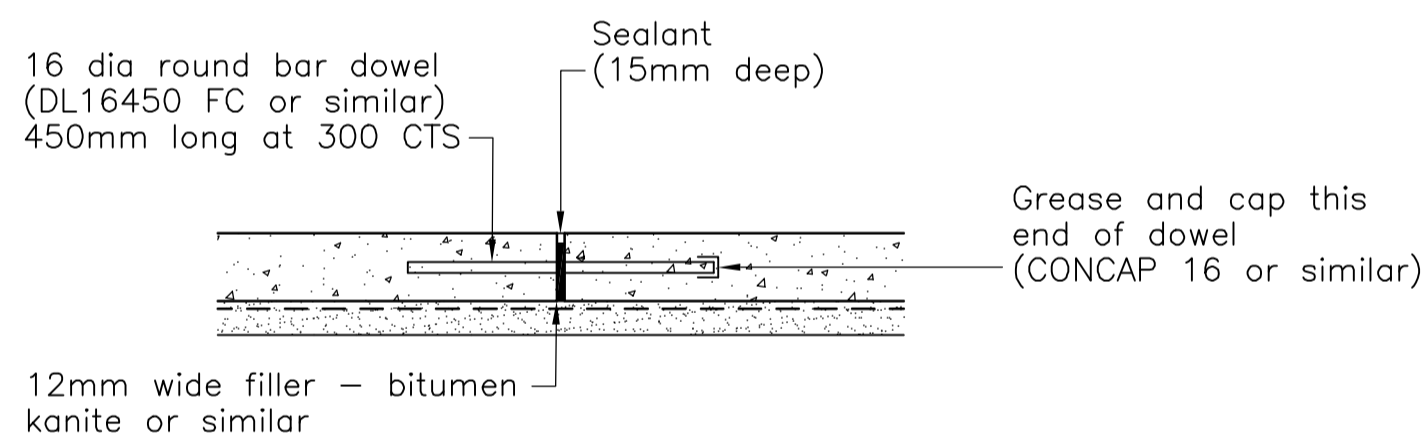


SIGN DETAIL

For shared pathways
2.0m wide or more

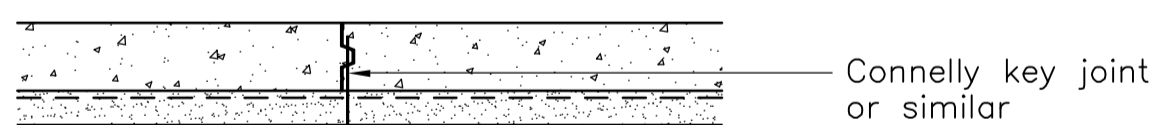


JOINT AT EXISTING DRIVEWAY DETAIL



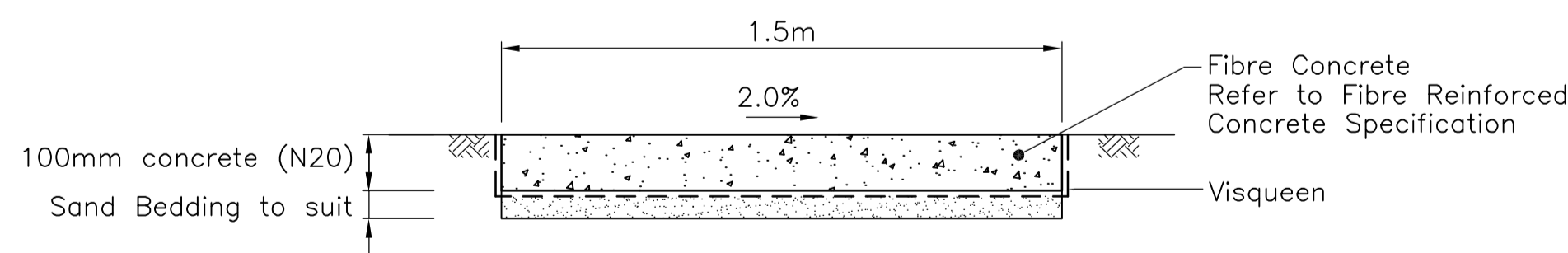
EXPANSION JOINT DETAIL

REFER TO NOTE

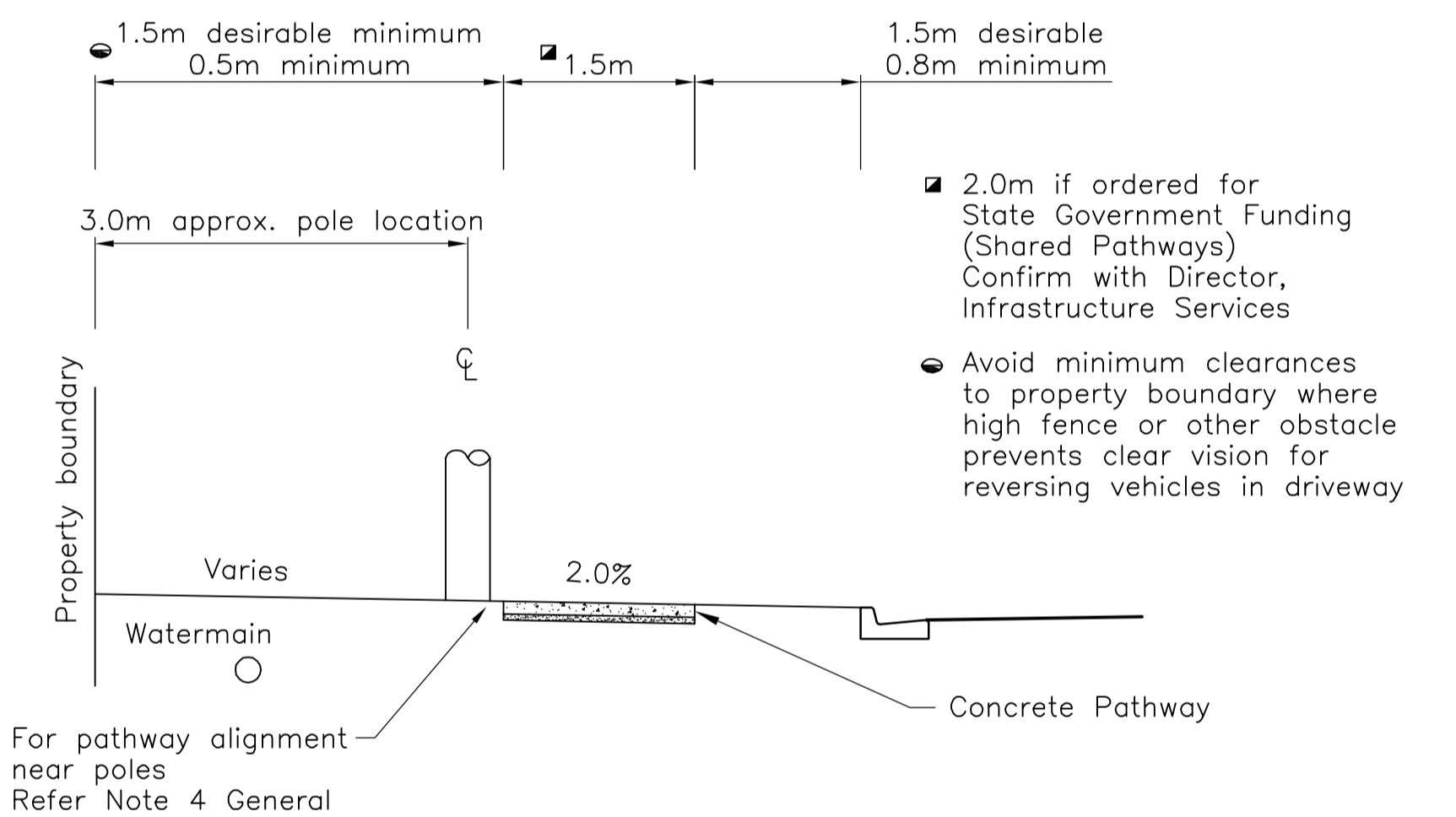


KEY CONTROL JOINT DETAIL

REFER TO NOTE



CONCRETE PATHWAY TYPICAL SECTION



1.5m CONCRETE PATHWAY

TYPICAL CROSS SECTION DETAILS

FOR REINFORCED CONCRETE (MESH) ALTERNATIVE
REFER DRAWING 10066

NOTES :
Not to Scale



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THURINGOWA

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**CONSTRUCTION OF A CONCRETE PATHWAY
REINFORCED CONCRETE (FIBRE) ALTERNATIVE**

**STANDARD
DRAWING
ROADWORKS**

10067

No.	DATE	DESCRIPTION	AP'D
A	18/10/2004	ORIGINAL ISSUE	
REVISIONS			

DRAWN: NRM	Engineer Approved: Original Signed By B.Sue	Date: 22/10/04
CHECKED: WJP	Director Approved: Original Signed By B.Bailey	Date: 25/10/04

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