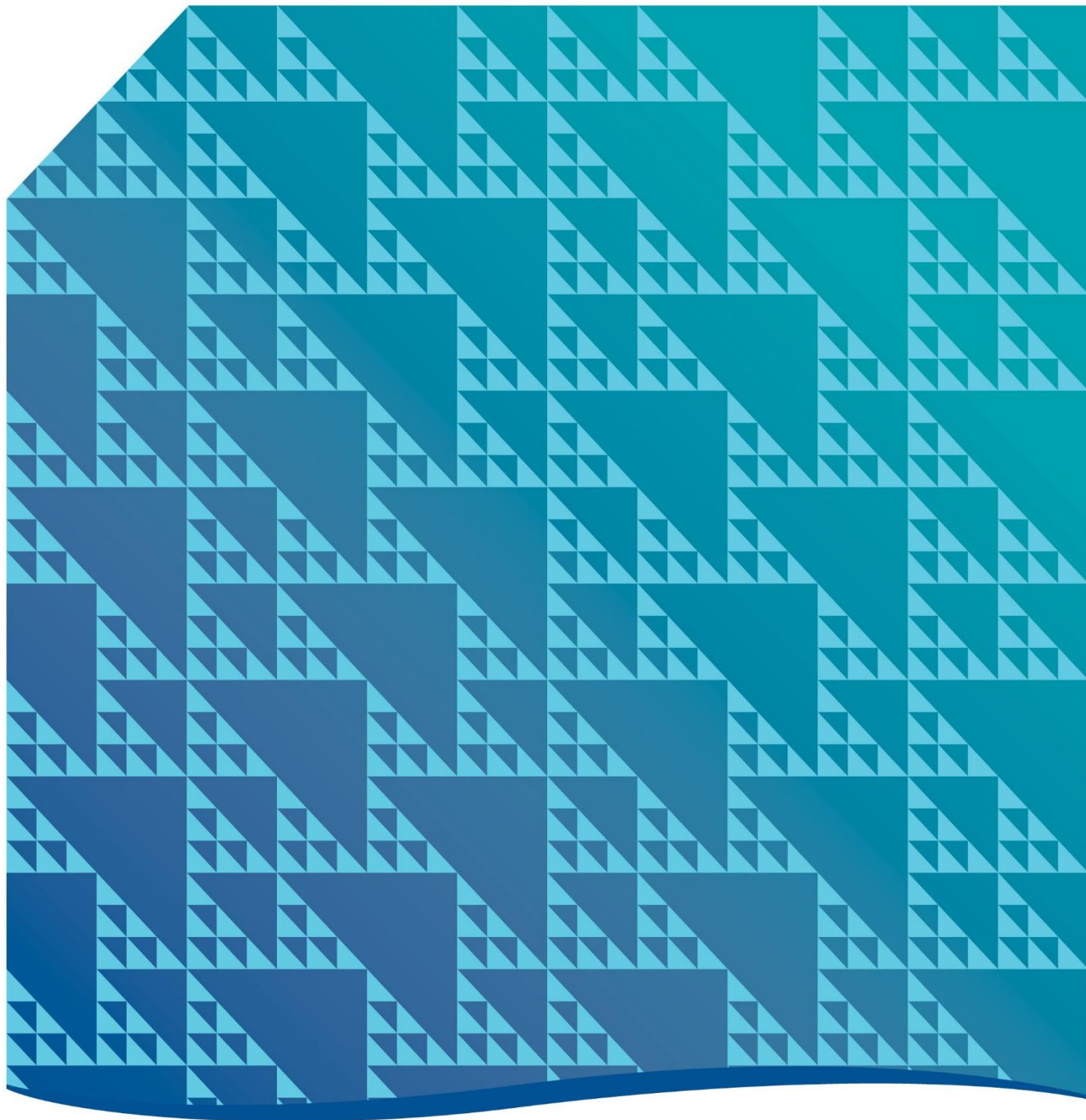


T14 – Public Utilities

Last updated:
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Revision History

Version No.	Date	Description of changes
1.1	17 Aug 2020	Template updated and old references to superseded documents/entities updated

T14.1 Scope

This Professional Services Specification (PSS) sets out requirements for the provision of Public Utilities within the reservation of a proclaimed road.

T14.2 Location

In general, longitudinal utilities shall not be permitted in the road reserve. Justification for the placing of longitudinal utilities in the road reserve shall be provided prior to their approval or installation.

Trenchless technology shall be used for road crossings. Justification for open trenching shall be provided.

T14.3 Indemnity

In all cases where new public utilities are installed in proclaimed road reservations, the following indemnity is required in writing from the utility owner.

“That the utility owner will save and keep indemnified the Minister administering the Roads and Jetties Act 1935 against all or any costs, claims, proceedings and demands whatsoever, and by whomsoever arising out of, or in respect of the construction and/or presence of the utility within the road reservation.”

Where the utility is on a bridge or structure, the following additional clause is required:

“Should the Minister require the installation to be removed or altered to facilitate any future repairs or replacement of the bridge/structure, the cost of any such works shall be borne by the utility owner.”

T14.4 Design Requirements

The design shall:

1. be in accordance with Tasmanian Public Utility Information Manual, NAASRA: Policy for installation by Public Utility Authorities within the Road Reserve and Railway of Australia Code;
2. be compatible with planned Transport Infrastructure;
3. not reduce the level of safety during and following service installation;
4. not adversely impact on the road asset;
5. not have a negative environmental impact;
6. be in accordance with Table T14.9 for cover requirements;
7. be designed to sustain traffic loading;
8. be designed in accordance with the requirements of the relevant utility owner.

Conduits shall extend beyond the road surface drainage. Any fittings associated with conduits that extend to the surface shall be compatible with the local maintenance regime.

T14.5 Poles

Poles shall be set back as far as practicable. The safety impact of poles within the clear zone shall be addressed.

T14.6 Testing of Mains

Pressure testing shall be carried out in accordance with the appropriate standard or code on all mains under the carriageway.

Pressure mains shall be tested to 1.5 times the maximum working head.

T14.7 Bridges

The provision of utilities shall not adversely affect the long term durability of structures, or the ability of the Principal to inspect and maintain structures.

Pipes conveying corrosive, poisonous or flammable liquids and gases shall not be permitted to be transmitted in conduits on bridges.

At the end of a bridge the service shall be protected from damage and achieve the design cover, or leave the road reserve, as soon as practicable.

T14.8 Hold Points and Deliverables

A Schedule of Hold Points and Deliverables is attached as **Appendix T14.A**.

T14.9 Minimum Cover Requirements for Services Located in the Road Reservation

SERVICE TYPE	LOCATION UNDER			NOTES
	Pavement	Shoulders	Side Drains	
i) Non Pressurised Mains	Pipes or marker tape, below sub-base material		450mm	Marker tapes 300mm above pipe except for stormwater.
ii) Small Diameter Pressure Mains up to 50mm internal diameter	Pipes or marker tape, below sub-base material		450mm	Conduit not required. Marker tape 300mm above pipe.
iii) A) Large Pressure Mains B) Gas Mains These shall be installed in conduit	1000mm 1200mm	1000mm 1200mm	600mm 600mm	Marker tape 300mm above pipe. Ductile iron cement lined (DACL) or mild steel cement lined (MSCL) pipes do not require conduit.
iv) Electricity a) Low voltage cables b) High voltage cables	600mm at all locations in the road reservation 1050mm at all locations in the road reservation			All cables including conduits shall have protection covers and marker tape. The type and placement of covers and marker tape shall be in accordance with the owner's specification
v) Telecommunication a) Cables generally b) Fibre-optic	600 mm at all locations in the road reservation 1200mm at all locations in the road reservation			

T4.A Appendix Hold Points and Deliverables

Schedule of Hold Points

Description of Hold Point	Nominated Work not to proceed
There are no Hold Points	

Schedule of Deliverables

Name	Timing	No. of Copies in Format Shown		
		Hard Copies		Electronic Copies
		Bound	Unbound	
Indemnity	At conclusion of Final Design	1	0	0
Justification of longitudinal utilities	At conclusion of Preliminary Design	1	0	0



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