

**PART D27****DESIGN – UTILITY SERVICES****CONTENTS**

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**1. GENERAL**

.1 This Part specifies the requirements for incorporating Utility Services into the design of the Works and the relocation of Utility Services.

.2 The following definitions apply:

**"Utility Services"** means any infrastructure directly associated with:

- (a) transmitting electricity or telecommunications;
- (b) transporting gases, liquids or solids (including water, sewerage, fuel and wastes); or
- (c) communications / signalling for railway transportation.

**"Service Authority"** means any government, semi-government or private organisation responsible for the care and / or control of Utility Services.

**2. REFERENCES**

.1 Unless specified otherwise, all geometric design must be undertaken in accordance with the following:

1. DPTI: Road Design Standards and Guidelines (Refer: <http://www.dpti.sa.gov.au/standards>).

**3. DESIGN REQUIREMENTS****General**

.1 In addition to the requirements of Part CH40 "Utility Services", the Contractor is responsible for:

- (a) arranging / coordinating with the Service Authorities (or companies approved by the Service Authorities) for any necessary Utility Services relocation works to be undertaken within the Site;
- (b) if requested by a Service Authority, providing all current details of the Contractor's design reasonably required for the Service Authority to undertake design of their Utility Services relocations;
- (c) incorporating any reasonable Service Authority requirements into the Contractor's design; and
- (d) including details of any service relocations arranged by the Contractor on the As Constructed drawings.

.2 The Contractor must ensure that Utility Services do not intrude into the pavement layers. The Design must have regard for any protective treatments that the Service Authorities require.

**Costs Associated with Utility Services**

.3 Further to Part CH40 "Utility Services", where the Contractor's design varies from any design provided by the Principal and as a consequence of that varied design, additional work is required by the Service Authority and/or the Contractor, the Contractor bears all risks and costs associated with that additional work.

**4. INSTALLATION OF NEW UTILITY SERVICES**

.1 This Clause applies where a Service Authority wishes to install a new Utility Service during the term of the Contract that is not a relocation of an existing service.

.2 If the Principal has knowledge of any Service Provider that wishes to install new Utility Services within the Site, details will be provided in the Appendices.

- .3 The Contractor must negotiate in good faith with any Service Authority who wishes to install new Utility Services within the Site to agree on the terms on which the Service Authority may install a Utility Service. The Contractor must act reasonably in all its dealings with a Service Authority to identify the period in which the Utility Services can be installed and any other conditions required.
- .4 However, the Contractor will not be in breach of its obligations under this Clause if it is unable to reach agreement with a Service Authority because:
  - (a) the Service Authority is not willing to accept liability for all the costs of installing the new Utility Service; or
  - (b) complying with the Service Authority's requirements might result in the Contractor incurring liabilities which it would not otherwise be likely to incur and in respect of which the Service Authority is not willing to provide an adequate indemnity.

## 5. **RECORDS**

- .1 The following records must be provided to the Principal:

### **Drawings**

Drawings showing all known existing Utility Services and any that require relocation during the Contract.

### **Reports**

Details of all Utility Service relocations, protections and treatments.

### **Implementation Records**

Agreements and correspondence with Service Authorities regarding the relocation or protective measures required for Utility Services.

Field records (eg sketches, diagrams, survey data) showing the location of relocated Utility Services.

"As Constructed" drawings showing the position of all relocated Utility Services.

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