

TRANSPORT FOR NSW (TfNSW)

SPECIFICATION D&C G7

SERVICES WORKS (UTILITY ADJUSTMENT)

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VERSION FOR: DATE:

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FOREWORD

TfNSW COPYRIGHT AND USE OF THIS DOCUMENT

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This document should be read with all the documents forming the Project Deed.

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BASE SPECIFICATION

This document is based on Specification TfNSW G7 Edition 1 Revision 7.

TfNSW SPECIFICATION D&C G7

SERVICES WORKS (UTILITY ADJUSTMENT)

1 GENERAL

1.1 SCOPE

This Specification sets out the requirements for undertaking Services Works (Utility Adjustment), including:

- (a) electricity and street lighting;
- (b) water supply and wastewater;
- (c) telecommunications;
- (d) gas;
- (e) TfNSW traffic signals and intelligent transport system infrastructure.

1.2 STRUCTURE OF THE SPECIFICATION

This Specification includes a series of annexures that detail additional requirements.

1.2.1 (Not Used)

1.2.2 (Not Used)

1.2.3 Schedules of **HOLD POINTS** and Identified Records

The schedules in Annexure G7/C list the **HOLD POINTS** that must be observed. Refer to Specification TfNSW D&C Q6 for the definition of **HOLD POINTS**.

The records listed in Annexure G7/C are **Identified Records** for the purposes of TfNSW D&C Q6 Annexure Q/E.

1.2.4 Planning Documents

The PROJECT QUALITY PLAN must include each of the documents and requirements listed in Annexure G7/D and must be implemented.

Where the Design Documentation drawings refer to the manufacturer's recommendations, include them in the PROJECT QUALITY PLAN.

1.2.5 Referenced Documents

Standards, specifications and test methods are referred to in abbreviated form (e.g. AS 1234). For convenience, the full titles are given in Annexure G7/M.

1.3 DEFINITIONS AND ABBREVIATIONS

1.3.1 Definitions

The terms “**you**” and “**your**” mean “the Contractor” and “the Contractor’s” respectively.

The “**Local Electricity Distributor**” is defined under the deed.

References in the Local Electricity Distributor’s Drawings to the term “**developer**” means “the Principal” or TfNSW.

The definitions given in AS 5488 also apply to this specification, unless overridden by the definitions given below.

“**Accredited constructor**” means a constructor that has been accredited by the Authority to undertake construction work on its utility asset, and includes the Local Electricity Distributor’s Level 1 Accredited Service Provider (refer Clause 4.2), Sydney Water Listed Providers – Constructors (refer Clause 5.1) and Telstra or Optus Industry Specialist (refer Clauses 6.1 and 6.2).

“**Inadequate foundation material**” is material beneath or adjacent to the proposed utility structure(s), which is of insufficient strength to support the structure and loads on the structure, or material whose characteristics would adversely affect the performance or construction of the structure.

“**Joint telecommunications trench**” means a common trench in which the utilities of different telecommunications utility owners such as Telstra and Optus are installed either side by side or one above the other.

“**Potholing**” is defined in AS 5488 as an “excavation technique to locally expose a subsurface utility at a point”.

“**Premises connections**” refer to the physical connection between the distribution network of the utility owner and the private domestic or commercial or public facility premises.

“**Redundant utility infrastructure**” is defined in AS 5488 as utility infrastructure that is out of service, abandoned, decommissioned or not in use.

“**Services Works**” and “**Authority**” are defined under the deed.

“**Shared trench**” is defined as a trench in which normally unrelated utilities such as gas and telecommunications, or electricity and telecommunications, are installed either side by side or one above the other.

“**Traffic signal asset**” means the electrical and electronic assets and systems which support the Sydney Coordinated Adaptive Traffic System (SCATS), including all assets which house, or are otherwise necessary for the functioning of, those assets.

“**Utility**” is a Service as defined under the deed.

2 COMMON GENERAL REQUIREMENTS

2.1 GENERAL RESPONSIBILITIES

2.1.1 General

Carry out the Services Works in accordance with the Design Documentation, and comply with the applicable standards, specifications and any specific requirements of the respective utility owners.

Where it is a requirement of an Authority, obtain its written approval prior to carrying out adjustment works on its asset.

2.1.2 Space Allocation for Utility Services

Comply, insofar as is practicable, with the requirements of the “Model Agreement for Local Councils and Utility/Service Providers” and the “Guide to Codes and Practices for Streets Opening” (“the Streets Opening Guide”) published by the NSW Streets Opening Coordination Council.

2.1.3 Work Health and Safety

Implement Work Health and Safety measures, including preparation of Safe Work Method Statements, in accordance with deed, including Specification TfNSW D&C G22.

Provide health and safety induction to all workers on the Construction Site, including those undertaking concurrent works (refer Clause 2.2.1).

2.1.4 Traffic Management

Provide traffic management in accordance with deed, including Specification TfNSW D&C G10.

Maintain access to residential and commercial premises impacted by your Services Works.

2.1.5 Environmental Protection

Implement appropriate environmental control measures in accordance with deed, including Environmental Documents, Specifications TfNSW D&C G36 and TfNSW D&C G38.

2.2 PLANNING AND COORDINATION

2.2.1 Concurrent Works by Authorities

Plan and coordinate your Services Works with any concurrent works carried out directly by the various Authorities, and other Project Works and Temporary Works.

Notify the Principal immediately of any issues related to the concurrent work which may impact on the Project Works and Temporary Works.

2.2.2 (Not Used)

2.2.3 Services Management Plan

Provide, as part of PROJECT QUALITY PLAN, a Services Management Plan (SMP) for the Project Works and Temporary Works. The SMP must include, where appropriate, the following elements:

- (a) Name and responsibilities of the Services Works Coordinator (refer Clause 2.2.4); where a full time Services Works Coordinator is not required, the name(s) of the person(s) undertaking the duties of the Services Works Coordinator;
- (b) Site management structure for managing the Services Works;
- (c) Detailed program for Services Works, showing proposed shutdown and cutover times (refer Clause 2.2.2);
- (d) Procedures for interfacing with concurrent works carried out directly by Authorities (refer Clause 2.2.1);
- (e) Measures to locate, identify if necessary, and protect any existing or newly installed services from damage, including marking their locations on the ground (refer Clause 2.3.3);
- (f) Procedures for procurement of accredited constructors (refer Clauses 4.2, 5.3, 6.1.1, 7.1.2 and 8.1.2);
- (g) Procedures for generating internal site specific permits to work near services;
- (h) Safe Work Method Statements for working near or on services, in accordance with TfNSW D&C G22;
- (i) Construction Work Method Statements for the various Services Works.

2.2.4 Contractor's Services Works Coordinator

Provide a suitably qualified and experienced full time Services Works Coordinator for the duration of the Services Works.

The Services Works Coordinator must have at least 5 years relevant experience in Services Works and have experience in the management of Services Works contractors.

The Services Works Coordinator's duties include the following:

- (a) liaising with the Principal and the Authorities and convening regular meetings as required;
- (b) checking for potential conflicts between the proposed services and existing services and structures;
- (c) engagement and management of subcontractors undertaking the Services Works;
- (d) coordinating the various Services Works (including Services Works carried out directly by the Authorities) with the rest of the Project Works and Temporary Works;
- (e) managing any temporary Services Works required, whether as part of construction staging or otherwise;
- (f) notifying the Authorities for shutdowns and cutovers;
- (g) negotiations with property owners on Services Works matters.

2.2.5 Communication with Authorities

Organise start-up meetings with each Authority to confirm their requirements and obtain their concurrence to the Services Works, and to coordinate the Services Works, including those carried out directly by the Authorities, with the rest of the Project Works and Temporary Works.

Convene regular meetings with each Authority to coordinate and assess the progress of the work.

Invite the Principal to the meetings. Record the minutes of these meetings and distribute them to all attendees and the Principal within 3 working days after the meeting.

Keep records of all communications with each Authority.

2.2.6 Notices to Authorities

Any notices to Authorities must be in writing, and be specific to a particular component of the services infrastructure to be adjusted or near which work will be undertaken. Provide a copy to the Principal of any such notices.

2.2.7 Variation Work Requested By Authorities

Where an Authority requests you to carry out work which you consider to be a Variation under the deed, then prior to carrying out the work, notify the Principal in writing of that request. Do not carry out that work without first obtaining the Principal's agreement.

2.2.8 (Not Used)

2.2.9 Subcontracts

In any subcontract(s) that you have with accredited constructor(s), set out clearly the division of responsibilities between you and your subcontractor(s) to avoid any gaps or overlaps, particularly on matters such as excavation and backfilling of trenches.

2.3 CONSTRUCTED SERVICES

2.3.1 (Not Used)

2.3.2 (Not Used)

2.3.3 Protection of Constructed Services

Take all measures necessary to protect or prevent damage to any existing or newly installed services. Comply with any vibration limits or other requirements specified under the deed or set out by the Authorities to prevent damage from your activities to existing underground and overhead services.

If you damage any existing services, notify the relevant Authority immediately and arrange for repairs to be effected as soon as practicable.

2.3.4 Recompaction of Backfill In Trenches

Backfill in trenches where utilities have previously been installed by others may require re-compaction by you to meet the requirements of Specifications TfNSW D&C R11 or D&C R44. Such trenches may be water charged, and any redundant conduits or pipes left behind in the trenches may contain water.

2.4 (NOT USED)

2.5 SHUTDOWNS AND RECONNECTIONS

2.5.1 Shutdowns

Plan and carry out Services Works in such a manner that you minimise disruption to the community, Authorities and road users. Provide the required notices to the community in accordance with deed, in circumstances where such notices are not provided by the Authority.

2.5.2 Reconnections

After cutover to a new service asset, promptly reconnect services to premises supplied by that asset.

Consult with and obtain agreement from property owners regarding the locations of the reconnection points or poles or other infrastructure, and any minor adjustments to gardens or pathways within the property, which are required as a consequence of the reconnection.

3 COMMON CONSTRUCTION REQUIREMENTS

3.1 COMMENCEMENT OF SERVICES WORKS

HOLD POINT

Process Held: Commencement of excavation for Services Works.

Submission Details: At least 10 working days prior, provide notification that all existing Services have been identified, their locations and the set out locations of proposed Services have been marked on the ground, and submit associated plans showing their locations, including potholing and survey results, details of any potential conflicts, and details of any additional Services Works required.

Release of Hold Points: The Nominated Authority will consider the submission and may inspect the set-out locations of the proposed Services and/or request further information prior to authorising the release of the Hold Point.

HOLD POINT

(For Services Works not managed directly by the Authority)

Process Held: Commencement of Services Works other than excavation.

Submission Details: At least 5 working days prior to commencing work, submit the name of the contractor carrying out the Services Works and evidence of accreditation, detailed construction work plan indicating when shutdowns and/or cutovers are scheduled, details of any proposed temporary service connections, and evidence of the Authorities approval for the adjustments.

For Sydney Water asset adjustment works, submit also copies of quotations from at least three Sydney Water accredited Constructors (refer Clause 5.3).

Release of Hold Point: The Nominated Authority will consider the submitted documents and may request further information prior to authorising the release of the Hold Point.

3.2 SHARED TRENCH OR JOINT TELECOMMUNICATIONS TRENCH

Where the Services are to be placed in a shared trench or a joint telecommunications trench (refer Clause 2.1.2), obtain approval from the relevant Authorities and arrange with the respective individual Authorities to carry out the excavation, and subsequent backfilling on their behalf, into

which the Authorities (or their contractors) can then install the conduits/pipes for their respective Services.

3.3 INADEQUATE FOUNDATION MATERIAL

The Geotechnical Design Representative must assess the foundations of all Services Works for material which is inadequate to support the conduits/pipes or pits for the Services. Where the Geotechnical Design Representative considers that the material is inadequate foundation material, remove and replace the material to the extent required by the Geotechnical Design Representative.

3.4 ROAD OR WATERWAY CROSSINGS

3.4.1 Work Method Statement

At least 3 working days prior to commencement of excavation to provide a crossing for a service at a road or waterway, provide a Work Method Statement to the Principal giving full details of how you intend to carry out the excavation, whether by open trenching or by trenchless techniques, and including details of any traffic control or environmental protection measures required.

3.4.2 Road Crossings By Open Trenching

Where installation of conduits/pipes crossing a new road pavement is by open trenching and where practicable, carry out trenching and backfilling prior to construction of the pavement at these locations in accordance with the requirements of TfNSW D&C R11, and TfNSW D&C R44 if appropriate.

Where the crossing is of an existing road pavement, backfill the trench up to the underside of the pavement layers with a 14:1 sand cement mix unless shown otherwise on the Design Documentation drawings. Restore the pavement to a standard equivalent to that of the existing adjoining pavement.

3.4.3 Road or Waterways Crossings Using Trenchless Techniques

Where open trenching is not practicable for the crossing, or where shown on the Design Documentation drawings, install the conduits/pipes using trenchless techniques involving boring or drilling.

After installation of the outer casing, fill any gap between the borehole and the outer casing with a grout using an acceptable technique.

3.5 INSTALLED CONDUITS/PIPES

Keep the inside of the installed conduits/pipes free from debris and clear the inside of the conduits/pipes of water prior to installation of the Services.

4 ELECTRICITY MAINS AND STREET LIGHTING

4.1 APPLICABLE STANDARDS AND SPECIFICATIONS

4.1.1 Electricity Mains

When carrying out work on the electricity network, comply with the standards and specifications of the Local Electricity Distributor.

4.1.2 Street Lighting

Construct the street lighting works in accordance with *[insert here the applicable standards and/or specifications]*.

<p><i>Where the completed works are not to be maintained by the Local Electricity Distributor, the applicable specification is TfNSW D&C R151; otherwise it is the Local Electricity Distributor's standards and specifications.</i></p>
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4.2 ACCREDITED SERVICE PROVIDERS

Construction work on the electricity network must only be carried out by a Level 1 Accredited Service Provider, and design work only by a Level 3 Accredited Service Provider. Names of Accredited Service Providers (ASP) can be found at:

<https://energysaver.nsw.gov.au/business/you-and-energy-providers/installing-or-altering-electricity-service>

Engage only an ASP at the appropriate Level as your subcontractor.

Prior to commencing any construction work on the electricity network, your subcontractor must enter into any agreement required by the Local Electricity Distributor. Construction work on the electricity network must not commence until the Local Electricity Distributor gives the approval to commence work.

4.3 CURRENCY OF CERTIFICATION OF DRAWINGS

The Local Electricity Distributor's certification of the electricity mains and/or street lighting adjustment drawings may have a limited validity period from the date of the certification. If the work shown on these drawings has not commenced by the expiry date, apply for a new certification by the Local Electricity Distributor.

4.4 TEMPORARY STREET LIGHTING

4.4.1 Illumination Levels of Temporary Street Lighting

For temporary street lighting, the level of illumination at any location must not be less than that existing at the date of deed.

4.4.2 Street Lighting Under Temporary Traffic Conditions

Except for minimum periods necessary for the purposes of testing and commissioning, new street lights under temporary traffic conditions must not be switched on after dark if this could confuse motorists or give rise to a safety risk.

4.5 (NOT USED)

5 WATER SUPPLY AND WASTEWATER

TfNSW D&C G7 Clause 5 has been written primarily for use on Services Works in the Sydney metropolitan and Illawarra region, where the water and wastewater authority is Sydney Water.

For Services Works in other areas, Clause 5 will need to be amended to suit the requirements of the local water and wastewater authority.

5.1 APPLICABLE STANDARDS AND LISTED PROVIDERS

When carrying out work on the Sydney Water network,

- (a) comply with Sydney Water standards, specifications and procedures, including Sydney Water's "Asset adjustment and protection manual", WSA 03–2011 v3.1 "Water Supply Code of Australia" and WSA 02–2002 v2.3 "Sewerage Code of Australia" (Sydney Water Editions).
- (b) use only Sydney Water Listed Providers which are accredited under the relevant category of work. The current list of Sydney Water Listed Providers is available at:
<https://www.sydneywater.com.au/SW/plumbing-building-developing/developing/providers/lists/index.htm>

5.2 WATER SERVICING COORDINATOR

Engage a Sydney Water accredited Water Servicing Coordinator (Delivery) to assist you to manage the onsite work on Sydney Water's assets.

The Water Servicing Coordinator (Delivery) will act as your contact with Sydney Water and will submit all notifications to Sydney Water including the Construction Commencement Notice, shutdowns and reconnections, mains disinfection, and commissioning.

5.3 CONSTRUCTOR

Engage a Sydney Water accredited Constructor as your subcontractor to undertake the water and wastewater Services Works, and Sydney Water accredited Field Testers for related testing work.

As part of your procurement process, obtain written quotations from at least three accredited Constructors. Submit copies of the three quotations to the Principal at least 5 working days prior to commencing the Sydney Water Services Works.

The purpose of the 3 quotations is to enable TfNSW to recoup financial contributions from Sydney Water for betterment to Sydney Water infrastructure.

5.4 DEVELOPER WORKS DEED AND SYDNEY WATER BOND

You will be required to sign the Sydney Water “Developer Works Deed”, jointly with the TfNSW and other parties. Where the Deed has already been signed by the TfNSW at an earlier stage, you will be required to sign Schedule 3 “Deed Poll” of the “Developer Works Deed”. Copies of the documents are available from:

<https://www.sydneywater.com.au/SW/plumbing-building-developing/developing/developer-deeds-and-standard-terms/index.htm>

Before commencing the Services Works, lodge a bond (“Works Warranty Bond”) with Sydney Water for the amount stated in the Scope of Works and Technical Criteria, either in the form of cash or an unconditional guarantee from a financial institution acceptable to Sydney Water.

5.5 (NOT USED)

6 TELECOMMUNICATIONS

6.1 TELSTRA

6.1.1 (Not Used)

6.1.2 (Not Used)

6.1.3 Coordinate With Telstra

Coordinate your work with the adjustment work on Telstra’s telecommunications network carried out by its Industry Specialist.

6.2 OPTUS

6.2.1 (Not Used)

6.2.2 (Not Used)

6.2.3 Coordinate With Optus

Coordinate your work with the Services Works on Optus’ telecommunications network carried out by its Industry Specialist.

6.3 OTHER TELECOMMUNICATION AUTHORITIES

Other telecommunications Authorities include NBN, Vocus Communications, etc.

Detail here any specific requirements in relation to the Services Works of the telecommunication utility assets.

7 GAS

7.1 JEMENA

7.1.1 Working Within Or Adjacent to Jemena's Pipeline Land

Where the Project Works is to be carried out within or adjacent to Jemena's Pipeline Land, TfNSW has entered into a Land Crossing Deed with Jemena. The extent of the Jemena's Pipeline Land is shown in the Land Crossing Deed.

Comply with the requirements of Jemena in the Land Crossing Deed for working within or adjacent to Jemena's Pipeline Land:

Prior to commencing any work within or adjacent to Jemena's Pipeline Land, obtain from Jemena a Permit to Work. The Permit to Work will state whether supervision by the Jemena Permit Issuing Officer is required during the work.

HOLD POINT

Process Held: Commencement of work within or adjacent to Jemena's Pipeline Land.

Submission Details: Copy of the Permit to Work, and if supervision by the Jemena Permit Issuing Officer is required, evidence that the Permit Issuing Officer has been notified and will be in attendance during the subject works.

Release of Hold Point: The Nominated Authority will consider the submitted documents prior to authorising the release of the Hold Point.

7.1.2 Contractual Arrangement for Adjustment of Jemena's Gas Network

Where Services Works of Jemena's assets is required, the TfNSW nominates Jemena as the sole *Preferred Subcontractor*.

The subcontract between you and Jemena will use Jemena's contract terms and conditions.

Jemena will in turn engage a Jemena accredited constructor as its subcontractor to carry out the Services Works in accordance with its standards. Allow up to 12 weeks for Jemena to arrange their subcontract.

7.1.3 Scope of Jemena's Work

Any works to be carried out by Jemena are detailed in Appendix 20 of the SWTC.

Works related to Services Works on Jemena's gas transmission and distribution pipe network, which are excluded from Jemena's scope of work, must be carried out by you.

7.1.4 Coordinate With Jemena

Coordinate your work with the Services Works on Jemena's gas network carried out by its constructor.

Take account of any staging or timing constraints in relation to Jemena's works.

7.1.5 Payment Bond and Upfront Payment

You will be required to lodge a bond with Jemena in the amount of \$50,000, either in the form of cash or an unconditional guarantee from a financial institution acceptable to Jemena, and make an upfront payment to Jemena prior to the commencement of work by Jemena.

8 TfNSW TRAFFIC SIGNALS AND INTELLIGENT TRANSPORT SYSTEM

8.1 TRAFFIC SIGNALS

8.1.1 Applicable Specification

Comply with Specification TfNSW D&C TS101 when carrying out adjustment work on TfNSW traffic signals.

8.1.2 Notice Period for Temporary Traffic Signals Adjustment

If you require any temporary relocation of the existing traffic signals, interim stages to new traffic signals being installed by you, or modification of the signal phasing, to suit your staging of the works, submit your request to the Principal at least 4 weeks prior to the date required, with full details of the modification required.

HOLD POINT

Process Held:	Relocation of traffic signals or modification of the signal phasing.
Submission Details:	Details of modification required.
Release of Hold Point:	The Nominated Authority will consider the submitted documents prior to authorising the release of the Hold Point.

8.1.3 Record of Access Made to Traffic Signal Assets

Keep an auditable written record of all access made to all traffic signal assets (including pits) containing live cables which are undertaken as part of the Work Under the Contract, regardless of whether the assets are within or outside the Site.

The record must cover all such activities, no matter how minor, particularly that which involve lifting the lid of a traffic signal pit. The record must show the name of the person(s) who accessed the traffic signal asset, the purpose of the access, full details of the work carried out, and the date, time and duration of access.

Exercise care in lifting and replacing the lids of traffic signal pits, to ensure that wires are not inadvertently caught in the pit lid.

The record must be available for inspection by the Principal throughout the duration of the Contract on reasonable notice. Submit this record to the Principal at Construction Completion.

8.2 INTELLIGENT TRANSPORT SYSTEM

Carry out adjustments to the Intelligent Transport System (ITS) in accordance with the Design Documentation drawings.

Construct the ITS cableways in accordance with the Design Documentation drawings and Specification TfNSW D&C R155.

9 PRIVATELY OWNED SERVICES

Carry out any Services Works required to extensions of the Services network on privately owned land.

10 COMPLETION

10.1 MARKINGS ON KERB

At road crossings of services where a kerb and gutter is present, mark on the face of the kerb immediately above the centreline of the conduit/pipe, or group of conduits/pipes, with the following letters, to indicate that location of the Service at the road crossing:

Service Type	Electricity	Water	Telecoms	Gas
Marking	E	W	T	G

The letters must be stencilled on the kerb, in yellow colour, and 50 mm in height.

10.2 REDUNDANT SERVICES

Unless shown otherwise on the Design Documentation drawings, or directed by an Authority, remove and dispose of any disused utility infrastructure within the road reserve that has become redundant as a result of the Services Works.

Where any of the disused pipes or pits contains asbestos, remove and dispose of them in accordance with deed, Environmental Documents and TfNSW D&C G36.

10.3 (NOT USED)

10.4 WORK-AS-EXECUTED DRAWINGS

10.4.1 General

Within 4 weeks of completing the Services Works, other than Services Works carried out by Telstra and Jemena, submit work-as-executed (WAE) drawings of the Services Works in accordance with the Scope of Works and Technical Criteria.

Comply with AS 5488 and the respective Authorities' requirements when preparing the WAE drawings. Unless specified otherwise by the Authority, the quality level of the WAE drawings must be Quality Level A.

10.4.2 Sydney Water

In addition to the requirements stated in Clause 10.4.1, the WAE drawings must show all changes of direction and details of all fittings. The WAE drawings provided electronically to the Water Servicing Coordinator must be in the form of 3D string information in the MGA and AHD coordinate system.

10.5 COMPLETION AND HANDOVER

Where the Services Works is not carried out directly by the Authority, submit to the respective Authority the project completion/handover documentation and obtain the Authority's acceptance of the completed Services Works. Provide a copy of the documentation and the Authority's acceptance to the Principal.

ANNEXURES G7/A TO G7/B – (NOT USED)**ANNEXURE G7/C – SCHEDULES OF HOLD POINTS AND IDENTIFIED RECORDS**

Refer to Clause 1.2.3.

C1 SCHEDULE OF HOLD POINTS

Clause	Description
3.1	Determination of actual locations of existing and proposed Services Works
3.1	Submission of details of Services Works subcontractor
7.1.1	Submission of Jemena Permit to Work, and where relevant, evidence that Permit Issuing Officer has been contacted and will be in attendance
8.1.3	Submission of details of proposed modification to traffic signals

C2 SCHEDULE OF IDENTIFIED RECORDS

The records listed below are Identified Records for the purposes of TfNSW D&C Q6 Annexure Q/E.

Clause	Description of Identified Record
2.1.1	Written approvals from Authorities to commence work
2.1.2	Written agreement from Authorities for shared trench arrangements
2.2.5	Minutes of meetings and communication with Authorities
2.2.6	Notices to Authorities
2.5.1	Notices to the community for shutdowns
2.5.2	Agreements with property owners
4.2	Agreement with the Local Electricity Distributor prior to commencement of work on the electricity network
5.3	Copies of quotations from at least 3 Sydney Water accredited Constructors
5.4	Sydney Water “Developer Works Deed”
8.1.4	Record of access made to traffic signal assets
10.4	WAE drawings
10.5	Project completion/handover documentation and Authority’s acceptance of completed Services Works

ANNEXURE G7/D – PLANNING DOCUMENTS

Refer to Clause 1.2.4.

The following documents are a summary of documents that must be included in the PROJECT QUALITY PLAN. The requirements of this Specification and others included in the deed must be reviewed to determine additional documentation requirements.

Clause	Description
2.2.3	Services Management Plan
2.3.3	Measures to prevent damage to constructed services
2.5.1	Work related to shutdowns and reconnections
3.4.1	Work Method Statements for open trenching and trenchless techniques
8.1.3	Temporary traffic signal arrangements

ANNEXURES G7/E TO G7/L – (NOT USED)

ANNEXURE G7/M – REFERENCED DOCUMENTS

Refer to Clause 1.2.5.

TfNSW Specifications

TfNSW D&C G10	Traffic Management
TfNSW D&C G22	Work Health and Safety (Construction Work)
TfNSW D&C G36	Environmental Protection
TfNSW D&C G38	Soil and Water Management
TfNSW D&C Q6	Quality Management System (Type 6)
TfNSW D&C R11	Stormwater Drainage
TfNSW D&C R44	Earthworks
TfNSW D&C R151	Street Lighting
TfNSW D&C R155	Design and Construction of Underground Cableways
TfNSW D&C TS101	Traffic Control Signals – New Installation and Reconstruction

Australian Standards

AS 5488	Classification of subsurface utility information (SUI)
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Other Standards

WSA 02–2002 v2.3	Sewerage Code of Australia (Sydney Water Edition)
WSA 03–2011 v3.1	Water Supply Code of Australia (Sydney Water Edition)