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Project Particulars

Part a) Non-Technical Conditions

1. Nature and Description of Contract

1. The Contract shall be a Lump Sum contract as defined by the General Conditions of Contract except for that work nominated in the tender documents for which a Provisional Sum has been included. The Contract Sum shall be fixed sum not subject to adjustment for Rise and Fall. The Contract involves the supply of all plant, labour and materials necessary for the construction of the works in accordance with the project particulars, technical specification and non-technical conditions, standard specifications, drawings, schedules and General Conditions of Contract.

2. Payment for those items of work for which a Provisional Sum has been allowed will only be made as provided for in the General Conditions of Contract. Daily dockets to support plant hire and labour claims shall be prepared for sighting by the Works Inspector.

3. Bill of Quantities or schedules may be used by the Superintendent for the purposes of evaluation of progress payment and assessing variations ordered by the Superintendent.

4. The project particulars and drawings shall be read in conjunction with the other specifications referenced and contained within this document.

2. Project Management Plan

1. The Contractor shall prepare a Project Management Plan (PMP) within one (1) week of the date of the Letter of Acceptance covering all aspects of the Contract. The Project Management Plan shall be to the approval of the Superintendent and shall include or nominate each of the following:

   a) The ‘Contractor’s Quality Representative’ including this person’s technical experience and qualifications and present position

   b) Items detailed on these Project Particulars as requiring the Superintendent’s approval, i.e. Construction program

   c) Inspection and Test Plan including tests and verifications for a product or services specified in the Contract shall be listed in the Inspection and Test Plan(s)

   d) Environmental Management Plan

   e) Erosion and Sediment Control Plan

   f) Traffic Management Plan

   g) Quality Management Plan

3. Working Hours

1. The working hours and working days for this contract shall be between 7.00am and 5.00pm Monday to Friday inclusive, unless otherwise approved by the Superintendent. No work will be permitted on Sunday or Public Holidays.
4. Contract Management

1. Site meeting shall be held at regular intervals at a minimum of once per month and to be confirmed at the pre-start meeting. Minutes of the previous meetings are to be kept, typed and distributed by the Superintendent and shall be confirmed at the commencement of each meeting and after confirmation; the minutes will be the only recognized record of the site meeting.

5. Construction Program

1. The Contractor shall prepare a construction program and submit it to the Superintendent prior to the Principal granting possession of the site. The program shall logically set out tasks required to complete the contract in reasonable detail, to demonstrate that the contract will be completed within the contract period and nominating the key personnel responsible for the tasks.

2. At monthly intervals the program shall be reviewed jointly by the Contractor and the Superintendent. The Contractor shall status the program, and submit it to the Superintendent monthly, with progress reports against the approved baselined program.

3. The Contractor’s program shall include an allowance for inclement weather as listed in Table 1. The allowances for inclement weather are normal Working Days.

<table>
<thead>
<tr>
<th>Table 1 – Inclement Weather Allowances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>5 days</td>
</tr>
<tr>
<td>Jul</td>
</tr>
<tr>
<td>3 days</td>
</tr>
</tbody>
</table>

An inclement weather day shall be defined as any 24-hr period commencing at 9am and finishing at 9am on the following day (for the purposes of coordination with the Bureau of Meteorology) in which greater than 6.25mm is recorded at the nearest Bureau of Meteorology weather station.

4. The Contractor shall allow for the consequences of inclement weather days within the program between the date of Possession of Site and the date for Practical Completion. The allowance shall be working days nominated in Table 1 and applied to each day and every calendar month on a non-cumulative basis.

5. The Contractor shall notify the Superintendent in writing of the occurrence of an inclement weather day within 14 days of the event to coincide with the next scheduled monthly progress meeting.

6. The Contractor shall be entitled to an EOT for delay to the Works resulting from inclement weather days in excess of the allowance nominated in Table 1 only to the extent that such inclement weather occurring on or before the date for practical completion. In the first month the allowance in Table 1 will be prorated depending on the date Possession of Site is granted if required. In the last month the allowance in Table 1 will be prorated based on the date for Practical Completion.

7. The Contractor shall notify the Superintendent in writing of its intention to claim an EOT for excess inclement weather days within 7 days of the end of the month. This claim must demonstrate all mitigation strategies employed by the Contractor to recover the work schedule.

8. All costs involving in preparing the construction program including any subsequent revisions and meetings shall be paid for by the Contractor and the lump sum item for Preparing Construction Programme in the Bill of Quantities for the Contract shall be deemed to include all cost to provide the above requirements.
6. General Health and Safety Requirements

1. In addition to the requirements of the General Conditions of Contract Annexure B, the Contractor shall:
   
a. Notify the nominated Superintendents Representative immediately of all safety incidents or accidents;
   
b. Evidence of competencies and licences shall be current and available on site for inspection by the Superintendent.

7. Personal Protective Equipment

1. The Contractor, its employees, agents and Subcontractors must at all times whilst working at a designated construction site or operational work site (treatment plants, depots, stores, workshops & public and private properties) adhere to the mandatory Personal Protective Equipment (PPE) requirements.

8. Construction Safety Plan

1. The Contractor shall prepare a Construction Safety Plan and forward a copy to the Superintendent. The Principal will not give the Contractor possession of the site until the plan which shall address the requirements of the Act and this specification has been provided.

2. The Construction safety Plan shall also include a copy of the Risk Assessment report. Work method statements.
   
a) Contingency plans. The Contractor shall prepare contingency plans as necessary if directed by the Superintendent. These plans are to be submitted and approved by the Superintendent prior to commencement of the work.
   
b) Safety of public. The Contractor as part of the risk assessment of carrying out the work under the Contract shall take into account the safety of public.

3. The cost of works associated with preparation of the plan and managing and updating the plan throughout the Contract shall be paid for by the Contractor and deemed to be included in the tendered price.

9. Environmental Management Plan

1. The Contractor shall prepare and submit to the Superintendent for review, an Environmental Management Plan (EMP) to cover all Works required for the completion of the Contract in accordance with the Drawings, Project Particulars, General Conditions of Contract. The construction EMP shall be submitted as part of the PMP to the Superintendent for approval prior to issue of Possession of Site.

2. The construction EMP shall be the Contractor’s plan of management to ensure that all Works undertaken will be in accordance with all relevant state government legislation and local authority regulations and approvals.

3. The EMP will include all measures which the Contractor will be undertaking and/or any issues that the Contractor will address during the construction process (including any required pre or post construction activity).

4. The costs associated with the Contractor’s EMP full implementation shall be deemed to be included in the tendered cost.

5. The EMP includes, but is not limited to, prevention and control measures for the following:
   
a) Construction Noise;
   
b) Dust impact on neighbours;
c) Transport of water from the construction site;

d) Prevention of pollution of waterways and stormwater.

6. The Contractor shall notify the Superintendent before any discharge to waterways or sewers.

10. Erosion and Sediment Control Plan

1. To avoid or minimise erosion and sedimentation, the Contractor shall include an erosion and sedimentation control plan as part of its PMP. This will detail pre-construction, construction, and post-construction controls and management practices which will be in place and implemented. The Contractor will be required to take into consideration the Queensland Urban Drainage Manual – Chapter 9: Environmental Considerations.

11. Inspection and Testing Plan

1. All materials, installations and workmanship included in the works of this Contract shall be tested and inspected to prove compliance with the Contract requirements.

2. Compaction of all backfill material shall comply with Sections 20-22 of the SEQ WS&S D&C Code.

3. All material testing for quality or compaction and any other tests performed under this Contract or at the request of the Superintendent shall be carried out by approved NATA registered laboratories. Original copies of test certificates shall at all times be available for inspection by the Superintendent on site. Any test or measuring equipment used by the Contractor shall have been calibrated in accordance with the requirements of the Contractor's Quality System.

4. The cost of testing required under this Contract shall be borne by the Contractor.

5. An Inspection and Test Plan (ITP) shall be prepared by the Contractor and submitted to approval to the Superintendent as part of the PMP. The Superintendent shall assess the ITP’s suitability for the use in the Work under the Contract and insert any further hold points and witness points as required.

6. Where hold points or witness points submitted with the ITP’s require the presence of the Superintendent or other Superintendent nominated person, then the Contractor shall give minimum of 48 hours notice before the inspection or test is required. Inspection and Test hold points shall be shown on the construction program.

12. Traffic Management Plan

1. The Contractor shall prepare a Traffic Management Plan (TMP) for the Works prepared by the Traffic management and Control Service provider for review by the Superintendent. The Principal will not give the Contractor possession of the site until the plan has been provided and approved.

2. The TMP shall be prepared by a suitably qualified person and shall be in accordance with the Manual of Uniform Traffic Control Devices (MUTCD). THE Contractor shall obtain all necessary approvals required for the performance of the TMP.

3. The TMP must have the necessary approvals in place before submitting to the Superintendent for review.

13. Possession of Site

1. Notwithstanding Clause 27.1 of the General Conditions of Contract the Principal may refuse to give the Contractor possession of site or any part of the site until the Contractor has submitted the following to the Principal:

   a. Proof of Insurance pursuant to Clause 21.1 of the General Conditions of Contract
b. The security deposits specified in the Principal’s letter of acceptance of the Contractor’s tender

c. Approved project management Plan including:
   • Construction Program;
   • Inspection and Test Plan;
   • Environmental Management Plan;
   • Erosion and sediment Control Plan;
   • Traffic Management Plan.


e. The Contractor is to be aware that the bypass pipeline will cross land owned by the Gympie Cemetery Trust and as such works may need to be halted, from time to time, to allow the cemetery to perform its duties. Such instruction to stop works will be issued by the superintendent and will be issued with the minimum of 2 hours’ notice. An allowance for this stoppage is to be included within the provisional sum section of the Bill of Quantities contained in Schedule 6.

f. The Contractor is to familiarise themselves with the requirements of the Gympie Cemetery Trust as set out in their letter dated 17 October included within Schedule 5 - Additional Information of the tender documents.

14. Licensed Work Area

1. The Contractor shall be responsible for provision of access to the Site and shall take the necessary steps to prevent unnecessary nuisance arising from noise, dust or traffic movements.

2. Appropriate fencing shall be installed in all work areas as required and secured at the end of each working day.

15. Site Compound

1. The Construction Depot shall be fenced with a 1.8m man-proof fence with gates that shall be locked when not in use. Clearing of any part of the site shall not be undertaken without the approval of the Superintendent’s Representative. The compound shall be of sufficient size to store both plant and materials and upon completion of each day’s work all plant shall be returned to the compound and securely locked away.

2. The Contractor shall not store more than 100 cubic metres of material in the storage compound at any time.

3. The Contractor shall be responsible for provision of access to the depot and shall take the necessary steps to prevent unnecessary nuisance arising from noise, dust or traffic movements.

4. The Contractor shall not store the pipe end to end along the length of the Site.

5. Prior to the issue of the Certificate of Practical Completion for the Contract the Contractor shall dismantle and remove the Construction depot from the site, dismantle and remove all fencing and leave the site in a clean and tidy condition. In addition, the Contractor shall also topsoil and turf any denuded areas in the Construction depot as well as any denuded areas resulting from truck and other vehicle movements. The turf shall be maintained by watering as specified and mowing until the site is rehabilitated to the satisfaction of the Superintendent’s Representative.
6. All costs associated with the provision of the construction depot will be paid for by the Contractor and the lump sum item for Establishment in the Bill of Quantities for the Contract shall be deemed to include all cost to provide the Contractor’s depot requirements.

16. Sanitary Accommodation

1. The Contractor shall provide approved mobile sanitary accommodation for all persons employed on the works.

2. All costs associated with the provision of sanitary accommodation will be paid for by the Contractor and the lump sum item for Establishment in the Bill of Quantities shall be deemed to include all costs to provide the Contractor’s sanitary accommodation requirements.

17. Electric Power

1. It shall be the Contractor’s responsibility under this contract to provide his own power supply. All electric power consumed by the Contractor’s equipment will be paid for by the Contractor and the lump sum item for Establishment in the Bill of Quantities shall be deemed to include all costs to provide the Contractor’s electric power requirements.

18. Water Required for Works

1. The Contractor will be permitted to use town water when necessary for the purpose of carrying out the Contract. The Contractor will be responsible for carting any water required for construction and by personnel. However, the Contractor shall not use a standpipe on a hydrant until such time as they have applied for and been granted a permit by the utility provider to do so and paid all fees and charges.

2. All costs associated with the provision of town water shall be paid for by the Contractor at GRC Standard rates and the lump sum item for Establishment in the Bill of Quantities shall be deemed to include all costs to provide the Contractor’s town water requirements.

3. Flushing and Hydrostatic testing of the water main shall be undertaken using portable water.

19. Proof of Insurance

1. Pursuant to Clause 13.1 (a), prior to possession of site being granted, the Contractor must provide copies of policies for the Principal’s review and approval, which will not be unreasonably withheld, of such insurances as required to be affected and maintained in accordance with this Contract.

20. Survey and Set out

1. The Contractor shall be responsible for all survey and setting procedures necessary for the proper construction of the works.

2. The Contractor shall take due care of all survey marks and property pegs in existence on the site. The Contractor shall be responsible for replacement of any property survey pegs (including line pegs), Permanent Survey Marks, or other survey marks indicated by the Superintendent, disturbed during construction of the works.


1. The Principal will lodge the ‘Building and Construction Industry Notification and Payment Form’ and will pay the combined levy and fee.
22. Conduct of Contractor

1. The Contractor is responsible for the conduct of its employees, agents and subcontractors which shall comply with all Policies and Guidelines of the Principal.

2. The Contractor shall report to the Superintendent's Representative, any matter they become aware of whereby the interests of the Principal may be or may appear to be prejudicially affected or threatened.

3. The Contractor shall provide copies or details of any correspondence or conversation they have with the public with regard to the performance of the works.

23. Quality Assurance System

1. The Superintendent or the Superintendent's Representative or their nominee shall be free to make inspections at any manufacturer's or supplier's works at any stage of the Contract. Should the Superintendent have any doubts about the effective implementation or maintenance of the Contractor's quality system, the Superintendent shall advise the Contractor in writing setting out the concerns. Should the Contractor fail to provide a reply within seven (7) days which satisfies the Superintendent's concerns, the Superintendent may require an independent audit of the quality system. The cost of such an audit shall be borne by the Contractor.

2. The Superintendent may carry out quality surveillance and audits to ensure that the Contractor is conforming to the requirements of the Contract. These will involve system element audit, product and service audits, and process and technical procedure audits.

3. The cost of all testing, surveying, reports and associated quality documentation shall be deemed to be included in the Contractor's Lump Sum.

24. Rate of Progress

1. The Contractor shall be responsible for programming, progress reporting, forecasting, updating and controlling the Works.

Part b) Technical Specifications

25. Technical Scope of Work

25.1 Summary of Works

The scope of this Contract is to construct new bypass gravity sewers at sewer pump stations G5 and G5A and to decommission the existing sewer pump stations.

At SPS G5, the Contract will comprise of constructing 473m of DN300 trunk sewer main from the existing command maintenance hole G5/1/1 at SPS G5, across Cartwright Road and through the adjacent cemetery to existing maintenance hole G31/3/5. Eight new maintenance holes will be constructed along the new trunk sewer. The Contract also comprises the supply of grouting materials and grouting approximately 28m of the existing DN225 sewer rising main inside the G5 property from the pump station to the property boundary including capping the rising main at the property boundary and the outlet maintenance hole on Myall Street. Demolition and decommissioning of the existing G5 sewer pump station will be required once the new DN300 trunk sewer is commissioned.

At SPS G5A, the Contract will comprise of constructing 5.5m of new DN150 sewer main from the existing maintenance hole G5A/2/1 to the existing overflow maintenance hole G37/1/17A. Rebenching of SPS G5A will be required to divert flows from G5A/1/1 to the existing overflow maintenance hole G37/1/17A. Additionally, rebenching of maintenance holes G5A/2/1 and G37/1/17A will be required to accept flows from
maintenance hole G5A/2/2. The Contract also comprises the supply of grouting materials and grouting approximately 40m of the existing DN100 sewer rising main inside the G5A property from the pump station to the property boundary including capping the rising main at the property boundary and the outlet maintenance hole on Heights Drive. Demolition and decommissioning of the existing G5A sewer pump station will be required once the new DN150 sewer main is commissioned.

The Contractor is responsible for all site surveying, investigation, supply of all materials and construction of the above described works including, but not limited to, the supply of any associated materials such as pipes, valves, fittings, tees, structures, pipe restraints and connections.

The works are to be priced by the Contractor in accordance with all tender drawings, documentation, specifications, etc. included within this tender including all attached WBBROC and GRC technical specifications and any other relevant standards.

The Contractor shall include the cost of all temporary works as necessary (dewatering, trench supports, access arrangements and site amenities to ensure that the permanent works may be constructed in accordance with the Contract.

The Contractor shall note that the new sewer passes in close proximity to the boundary of residential dwellings. Accordingly, the Contractor shall employ construction techniques and restraints which fully support fence lines and any other items within private properties during all stages of the works (especially during excavation, pipelaying and backfilling of the pipeline trench) to ensure that no damage or land slip occurs. The Contractor shall ensure that no damage or displacement to existing services occurs during the works.

25.2 General Scope of Works

The Contractor is responsible for, but not limited to, the following general scope of works:

- Any surveying, pegging, locating and protection of all existing services if required;
- Supply of all materials;
- Ensure that the materials comply in all respects with the Drawings and Specifications;
- Site establishment, and provide amenities in accordance with all relevant legislations;
- Mobilisations and demobilisation of all plant and equipment;
- Clearing and grubbing including trimming, mulching and removal of vegetation, and for the demolition, removal and disposal of hard surfaces and items from the site;
- Safety and environmental management of the site to comply with all relevant legislative requirements;
- Traffic and pedestrian control, including provision for vehicular, bicycle and pedestrian traffic, and allowing for temporary road closures and detours if and as required;
- Hydrostatic, and water quality testing of the completed pipelines in accordance with GRC’s standard requirements provided as attachments of this tender package, the written acceptance of these and any other relevant quality testing of the pipeline and its associated components are required by GRC prior to any connections to GRC’s water and sewer network;
- Restoration of fences (if required);
- All roads and affected surfaces are to be reinstated to their pre-construction condition as per Council’s Standards and specifications. A detailed report including photographic records of pre-
construction conditions is to be produced;

- Management and treatment of Acid Sulphate Soils in accordance with GRC requirements provided, if required
- Removal of any excess excavated material from site;
- Supply of “As-Constructed” drawings and asset information as per the Total Asset Information Package Specification.

25.3 Sewer Main

- Construction of approximately 473m of DN300 and 5.5m of DN150 sewer main, including all connections as per project drawings, at sewer pump stations G5 and G5A and locations shown on the project drawings;
- Vacuum excavation and radar to locate existing ends of sewer rising main and other utilities within the project areas;
- Removal of any excess excavated material from site;
- Testing and connection of the new sewer mains prior to On-Maintenance

25.3 Sewer Maintenance Holes

- Construction of four DN1200 cast-in-situ maintenance holes and four DN1200 type P2 precast maintenance holes, including all maintenance hole connections, benching and lids as per project drawings, at sewer pump stations G5 and G5A and locations shown on the project drawings;
- Construction of all associated works including internal linings as shown in the project Drawings;
- Removal of any excess excavated material from site;
- Testing and connection of the new maintenance holes prior to On-Maintenance.

25.4 Sewer Pump Station & Sewer Rising Main Decommissioning

The existing sewer pump stations will be demolished as part of this project. The contractor is to allow for all demolition including disposal of all spoil from existing wet well/dry well. All other material of the existing pump stations and all ancillary items including the disconnection and removal of electrical and mechanical fittings, water services and rising main valve pits require demolition and disposal of spoil as well.

The Contractor is to comply with Work Health and Safety Regulation 2011 and provide a Licence to carry out demolition and provide notification to WHSQ 5 days prior to demolition

It is expected that at least the top 1m of the G5 pump station is to be demolished below natural ground level. The remainder of the pump station can remain. The remaining section of pump station is to be filled with granular material compacted in 100mm layers to achieve a minimum of 98% compaction. The pump base and walls will also need to be drilled with holes to ensure water is free draining. A series of 100mm diameter core holes at 1m centres should achieve this requirement. Core holes are to be backfilled with 20mm screenings.

26. Design Standards
1. The Contractor shall carry out all Work in accordance with:
   - This specification;
   - The full Contract Specifications and WBB-SEW Drawings;
   - The Standard GRC Specifications and Drawings;
   - All relevant Standard Association of Australia codes;
   - The requirements of all relevant statutes; and
   - Any other supplied and approved design drawings.

2. Where conflict exists between different Codes, Standards or regulations, the higher requirement shall apply.

3. The Contractor shall not deviate from the provisions of the relevant standard without first obtaining agreement in writing from the Superintendent.

4. The Contractor will maintain a drawing register, and at a minimum, one copy of project drawings at their site office. The Superintendent will be able to sight these drawings at any time.

27. Existing Utility Services

1. The Contractor shall check the location of all existing services. Should any damage be done to any underground or overhead services, the Contractor shall, without delay, arrange with the appropriate Authority to make good and repair same, and the cost of such repairs shall be borne by the Contractor. Where information concerning any existing services is given on the drawings, it is given a good faith; but only implied as to its accuracy.

2. The cost of all work in connection with the temporary support, diversion and maintenance of pipes, wires, cables, etc., whether shown on the drawings or not, shall be borne by the Contractor as part of this Contract. Any permanent diversion, support or alteration to pipes, wires, cables etc, other than those specified, which may be ordered in writing by the Superintendent to be carried out by the Contractor, will be paid for as a variation, provided always that such work is not due to the fault or negligence of the Contractor.

3. The contractor shall ensure works are undertaken in accordance with A Guide to Working Near The Energex Network and all costs associated with these requirements are included in the Lump Sum price.

4. All temporary works and signage shall comply with the current version of MUTCD.

27. Protection from Weather

1. The Contractor shall, at its own expense, provide all plant, materials and labour necessary to protect the Works from damage by inclement weather or any other clauses. Low points or excavations where water may collect shall be kept thoroughly drained by mechanical or gravitational means.

2. Drains or water courses utilised for this purpose shall be cleaned out and maintained free of silt or other material to the satisfaction of the Superintendent.

3. The Contractor shall prevent, in so far as is reasonable possible, any material entering any gully, manhole or pipe, and shall remove from the drainage system, any material from any source which may be deposited in the drainage system by any agency up to the date of Practical Completion.

4. For the purposes of the Contract, “wet weather” shall be defined as 10mm of rain falling at the nearest Bureau of Meteorology Station within the previous 24 hours and providing such rain falls on the construction
28. Connection to Existing Works

1. The Contractor is to liaise with the Superintendent to organise a mutually suitable date and time to undertake any works that will require Network Intervention.

2. The Contractor shall confirm the final arrangements with the Superintendent’s Representative not less than 48 hours before the proposed commencement of those works.

3. Prior to being allowed to connect to any service the all appropriate test results (pressure, sterilisation, etc.) will have to have been submitted to the Superintendent’s Representative.

29. Ground Restraint and Ground Water

1. The Contractor is responsible to ensure adequate ground restraint measures are in place and in accordance with the relevant legislative requirements which may include, but not limited to, shoring or benching.

2. The Contractor is responsible for providing sufficient dewatering methods in all work areas including, but not limited to excavations and trenches.

3. All costs associated with meeting the above requirements shall be deemed to be included in the lump sum item in the Bill of Quantities.

30. Bored Pipes Under Roads, Driveways and Elsewhere

1. Construct bored water mains under roads, railways, driveways, footways and elsewhere of the type, size and locations where shown in the Design Drawings.

31. As Constructed Information

1. The Contractor must provide all As Constructed Information and ADAC as described in the GRC Specification for As Constructed Information.

2. All drawings shall, after completion of construction be amended by the Contractor to show in detail the work “As Constructed”. The Contractor shall ensure that all “As Constructed survey work including plan preparation is completed by the licensed surveying sub-contractor as nominated in the Tender Schedules. Where an As-Constructed condition requires a drawing to be amended then the Contractor shall ensure all related drawings influenced by this amendment shall similarly be amended.

3. As Constructed drawings are to be submitted to the Superintendent for approval before the Superintendent will issue a Certificate of Practical Completion. The As Constructed drawings are to be prepared in accordance with the principal's Specification for As Constructed Information and the ‘GRC CAD Standard’.

32. Commissioning

1. Commissioning in accordance with Unitywater standard specifications for trunk sewer will apply to the respective constructed sections.

2. Commissioning of new trunk sewer main must comply with the procedures and requirements as set out in GRC’s On-Maintenance requirements.

3. All work performed by the Contractor in commissioning the work is included in the Lump Sum tender price.

4. Practical Completion will not be granted until:
Callaghan and Toth Consulting Engineers  V1.0
Contract Title: G5 and G5A Sewer Pump Station Bypass

Contract No: RFT0139

- All commissioning activities have been completed; and
- All performance acceptance criteria have been satisfied.

33. Practical Completion

1. The Contractor may apply for Practical Completion upon successful completion of commissioning.

2. A certificate of Practical Completion will be issued to the Contractor within 14 days of receiving the application for Practical Completion subject to meeting the following requirements:
   - Final package of As Constructed information has been received;
   - Commissioning activities have been completed and performance criteria have been met; and
   - Major defects and Omissions have been rectified.

3. The Defects Liability period will commence on the day of issue of the Certificate of Practical Completion.

APPENDIX A – Existing Pump Station Photos

Existing SPS G5 valve pit to be removed.
Existing SPS G5 control manhole to be re-benched.

Existing SPS G5 sewer valve box to be removed.
Inlet of SPS G5 – Depth approximately -2.50m GL

Existing SPS G5 – 5m diameter approximately +2.80m GL
Existing SPS G5 wall thickness 250mm

Existing SPS G5A external view.
Existing SPS G5A internal view.