**CONSTRUCTION MANAGEMENT PLAN**

**Version:** Rev A – XX/XX/XXXX

**GW Project No:** UXXXXX
**Consultant Project No:**  **Project:**  **Project Manager:**  **Activity:**

High level summary of the works to be carried out, including all relevant drawing numbers (drawings to be attached the CMP).

**Background:**

Summary of why these works need to take place, any specific design requirements that were considered for the works and agreed to with Gippsland Water, other factors that may impact on these works.

**Potential Hazards/Risks:**

Identify all the hazards/risks associated with these works, any utility assets (Gippsland Water or otherwise) that may be impacted on. Any mitigation measures proposed can be included here or in the procedure below, ie.

*Damage to existing DN100 AC rising main (CH123)
Highly critical in terms of what would happen if the pipe was damaged. Approximately 728lin.m of DN100 AC main (which would hold approx. 5700L of raw sewerage) would discharge from the damaged pipe directly into the open excavation area. This would be a huge health risk to those working on site, as well as environmental risk with the risk of spills flowing into adjacent underground drainage network. Additional risk to the fact the pipe material contains asbestos.*

**Procedure**

The following construction procedure is to be followed in order to properly mitigate the risks outlined above:

Works Prior:

Include all preparation works required, ie.

* Submit DBYD Enquiry
* Proving of existing assets;
* Submission of appropriate forms, i.e. Form 3;
* If Gippsland Water personnel are required during the works, ie. Operate SVs, isolate SPS etc;
* If an eduction truck is required (and why), when will they be on site and where the sewage will be discharged to if required;
* Confirmation of all required fittings will be on site, including any fittings and/or pipework required for repairs.

Site Preparation

Indicate how the site will be prepared for the works. Include how the site will be secured, if there are ‘no-go’ zones, designated crossing locations of existing assets etc. Please provide mitigation or contingency steps in a table, e.g.

|  |  |  |
| --- | --- | --- |
| Risk | Mitigation or Contingency | RESPONSIBILITY |
| Wet weather | Check BOM website the day prior. If weather heavy rainfall predicted reschedule works |  |
| Valve failure to close | Reschedule shutdown and arrange for replacement of valve during flowmeter works |  |
| Valve failure to open | Arrange replacement valve & vari-gibs. Take to site as contingency  |  |

During Construction

List all steps required to undertake the works, including time frames for each step. This is to ensure the consultant/pipelayer have considered how long each step will take and the overall length of works is achievable. This is extremely important if assets need to be isolated for the works. If a shutdown is required please provide preliminary and shutdown steps in a table, e.g.

|  |  |  |
| --- | --- | --- |
| No. | Preliminary steps | RESPONSIBILITY |
|  | Check Contractor staff have competed their Gippsland Water OHS/EMS inductions |  |
|  | Take fittings to site. Bolt assembly together the day prior to the shutdown |  |
| **No.** | **Shutdown steps** | **Planned/Actual Time** |
|  | Remove temp fencing and tape off worksite. Set up equipment, e.g. pump/tools in preparation for works |  |
|  | **Site Toolbox meeting. Review and sign on to SWMS** |  |
|  | Check isolation of main. Drain section of main |  |
|  | **Permit to work: Sign on permit. GW to hand permit to Contractor** |  |

Post Construction

Include all steps to finalise the works, including any reinstatement required and if any assets need to be put back into service by Gippsland Water and/or the pipelayer. Please provide Post-Shutdown steps in a table, including time frames if required e.g.

|  |  |  |
| --- | --- | --- |
| No. | Post-Shutdown steps | RESPONSIBILITY |
|  | Install form work for thrust block  |  |
|  | Pour thrust block at site 1, Fig a |  |

**Contact Details**

**Gippsland Water**

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Include specific personnel if advise by Gippsland Water, ie. Area co-ordinator

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