INSPECTION TEST PLAN

**CONSTRUCTION**

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| **Foreman** | | **Daryl Banks Kate Gentle Jay Arthur**  **Callum Feely** | | **Action** | **Arthur St SW Pipelines** | | | | | | | |
| **Manager** | | W | Witness | **SWMH06-SWMH05 - 825 CLASS 2 RCRRJ - 89.1M @ 0.51%** | | | | | |
| **Divisional Manager** | | H | Hold Point |
| **Engineer** | | M | Monitor | **Job Number:** | | **4811** | **Version:** | **1** | |
| **No:** | **Detail** | **Specification / Standard** | **Inspection / Test Point** | **ACTION** | **Conformance Criteria (Whats Required)** | **Frequency** | **Inspection / Test Method** | **Verification Records** | **Signatory** | **Comments** | **Date** | **Signature** |
| 1 | CLASS 2 RCRRJ PIPE AND FITTINGS | Contract Document | Sign Off | H | Class 2 RCRRJ pipe, pipe to be inspected upon delivery and have no damage or deformities | Prior to commenceme nt/upon delivery of materials | Visual | Sign this ITP | Site Foreman Engineer's Representative |  |  |  |
| 2 | PLATEAU TEST ON MATERIALS | Contract Document | Aggregate Certification | H | Plateau test for aggregates to be done at beginning of job. This only needs to be done once to find compaction ideals. | Prior to compaction | Visual | Sign this ITP | Site Foreman |  |  |  |
| 3 | BEDDING MATERIAL | AS/NZS 2566.2 | Aggregate Certification | M | Clean granular non-cohesive material with a maximum particle size of 20mm | Continuous for pipe length | Visual | Sign this ITP | Site Foreman |  |  |  |
| 4 | OPEN TRENCHING ALIGNMENT, DEPTH AND ACCURACY | Contract Document | Witness & Record | M | Undertake scalas on base of trench. Minimum of 3 blows per 100mm (to be clarified in spec). Pipe installed within +/- 10mm accuracy from design datum.  Installed as per design grade and recorded on pipe laying form. Daily checks to make sure pipe is laid to  design. | Prior to commenceme nt and every two lengths | Review | Sign this ITP | Site Foreman |  |  |  |
| 5 | BACKFILLING AND COMPACTION ROADWAY | Contract Document | Sign off | M | Trench backfill to be carried out with imported AP65 gravel in 250mm lifts. The subbase material shall achieve an average of 95% of the MDD. Plateau test to be undertaken on AP65 and M4AP40.  All backfilled material shall be compaction tested at a maximum of 20m intervals longitudinally and 1m vertically with an NDM. All basecourse material shall be M4AP40. | During Installation | NDM | Sign This ITP | Site Foreman |  |  |  |
| 6 | CCTV | Contract Document | CCTV Footage | H | Clear new pipeline of any debris prior to CCTV. CCTV inspection of gravity to be as per the New Zealand Pipe Inspection manual. | Once pipeline is installed | CCTV | Sign this ITP | Site Foreman |  |  |  |