

ASSET CREATION DEVELOPER PROCESS

INSTRUCTIONS TO FIELD TESTERS

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1. INTRODUCTION

These Instructions are provided for Field Testers engaged by a Constructor to carry out field testing of specified water and/or sewerage infrastructure.

The Instructions form part of Sydney Water's Asset Creation Quality Management System, and the procedures outlined herein are designed to complement internal procedures applicable to Sydney Water. An overview of the Asset Creation Developer process is contained in the Asset Creation Developer Process Quality System Overview.

2. ROLE OF THE FIELD TESTER

During the construction of works, the Constructor is required to engage a Field Tester as listed by Sydney Water who, will facilitate the process of testing the works in accordance with Sydney Water's Standards.

The Field Tester's role is to:

- (a) ensure that the designated Field Test and the person(s) providing the Project Management and Construction services are not the same person. The Field Tester must be independent of the Water Servicing Coordinator's and the Constructor's companies for the subject construction site;
- (b) ensure that all Field Tester's key personnel on site are approved with the appropriate capabilities for the project;
- (c) The Listed Provider Key Personnel on site must meet the relevant Mandatory Criteria for Providers and have submitted the relevant Provider Capability Checklist – Field Tester (Template 26) for the specified works.
- (d) ensure that the Constructor's Project Safety Plan and/or the Field Tester's Project Safety Plan is adhered to at all times in respect to the Field Tester's own activities;
- (e) carry out field testing of the works in accordance with Sydney Water's Standards and the project-specific Inspection and Test Plan (ITP).
- (f) ensure all field test results are documented on the appropriate form (refer PI_Templates 12A, 12B, 12C, 12D, 12E);
- (g) the Field Tester shall retain all documentation and results associated with the project for a period of no less than seven years and make available for use by Sydney Water on request.

3. WORKS IN PROGRESS

The Field Tester identified in the ITP shall ensure:

- that the field testing is carried out in accordance with Sydney Water's Standards;
- that a copy of all relevant Design Plans are available on site whenever the works are being tested;

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- all field testing activities adhere to the Project Safety Plan.

In respect to compaction, the Field Tester is responsible for determining the number, the location, the depth of compaction tests. The selection of maintenance structures for vacuum testing shall include maintenance structures built or adjusted for the connection, unless otherwise stated by Sydney Water.

All other tests are to be conducted on the full length of pipelines.

All test results whether pass or fail will be forwarded to the Water Servicing Coordinator who will review the results to ensure the number and eventual results of tests are acceptable.

4. SUPPORTING DOCUMENTS

Documents relevant to a Field Tester's responsibilities or activities are:

Inspection and Test Plans:

PI_Template 06A Water Main Laying

PI_Template 06B Sewer Main Laying

Field Test Report Forms:

PI_Template 12A Hydraulic Pressure Test for Water Mains

PI_Template 12B Compaction Testing – Sewerage and Water Pipelines

PI_Template 12C Sewerage Pipeline Air Testing Vacuum or Low Pressure

PI_Template 12D Sewerage Maintenance Structures – Vacuum Test

PI_Template 12E CCTV Inspection of Sewerage Pipeline Summary

PI_Template 26 Provider Capability Checklist – Field Tester