



# 8919 ‘As-Constructed’ Documentation

REVISION 10/01/2024

## 8919.1 Introduction

This Supplementary Specification relates to the provision of as-constructed documentation.

### 8119.1.1 Definition of Terms

Term	Definition
As Constructed	For the purposes of MRC Supplementary Specifications including this specification to mean “Works as Executed”

## 8919.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 “Introduction to Specifications”;
- MRTS01 “Introduction to Technical Specifications”;
- Mackay Regional Council “D20 Drawings and Documentation Guidelines”;
- Cairns/Townsville/Mackay (CTM) Water Alliance Design and Construction Code
- the Project Drawings.

## 8919.3 Description of Work Items

The following work items are covered by this supplementary specification:

Task Item No.	Description	Unit of Measurement
8919	Supply ‘As-Constructed’ Documentation	Lump sum

## 8919.4 Quality System Requirements

### 8201.5.1 Hold Points, Witness Points and Milestones

The following table represents the minimum inspection requirements for this specification.

Activity	Inspection Type	When
Review red pen mark up of approved construction drawings to ensure they are kept up to date	Witness Point	During Project Meetings
‘As-Constructed’ Documentation Submission	Hold Point	4 Weeks prior to Practical Completion

## 8919.5 Work Operations



Work operations included in these items include:

- a) **Work Operations included in Clause 2.1.5 of MRS “Introduction to Specifications”;**
- b) **Preparation of ‘As-Constructed’ documentation as per MRC’s D20 Drawings and Documentation Guidelines; and**
- c) **Submission of legible ‘As-Constructed’ documentation for review and approval.**

Submissions when compiled should be submitted with 3 distinct items separated as per below table and each sub-category also separated to follow the following format:

Item	Sub-Category
1. ‘As-Constructed’ Plans/Drawings	<ul style="list-style-type: none"> <li>a) ADAC format</li> <li>b) Red Marked Up PDF ‘As-Constructed’ Plans</li> <li>c) DWG Formatted ‘As-Constructed’ Drawings</li> <li>d) Amended Drawings/Segments approved by Superintendent during construction</li> </ul>
2. Quality Assurance (QA) Documents (including but not limited to Lot ITP sign off, test results*, non-conformance reports (NCR’s), and inspection records)	<ul style="list-style-type: none"> <li>a) Stormwater</li> <li>b) Roads incl. Kerbs and Pathways</li> <li>c) Sewer – Gravity and rising Mains, HCB’s, Sewer Pump Stations (including pre-commissioning checklist for civil, electrical, mechanical, telemetry, drawdown test results)</li> <li>d) Water Reticulation – Mains, Services, Pump Stations (including pre-commissioning checklist for civil, electrical, mechanical, telemetry)</li> <li>e) Landscaping – Soft- and Hardscape</li> <li>f) Irrigation – Backflow Device, Mains, Irrinet, ICCPRO Software</li> <li>g) Bioretention Basins, Swales, WUSD and SQID’s</li> <li>h) Miscellaneous – Structures, Buildings, Retaining Walls, Bridges</li> </ul>
3. CCTV, Manuals, and Certificates	<ul style="list-style-type: none"> <li>a) Stormwater – CCTV and Reports</li> <li>b) Sewer – Gravity sewer (Individual CCTV files for each gravity main in pdf, video and WINCAN format and Reports), Sewer pump stations (operation and maintenance manual, pump data record sheet, pump curve, system curve and duty)</li> <li>c) Water – Water pumpstations – (operation and maintenance manual, pump data record sheet pump curve, system curve and duty)</li> <li>d) Manuals – Operation and maintenance manuals</li> <li>e) Certificates of Compliance – Construction Compliance/Certification Documents, Surveyor, Contractor and RPEQ signatory of works</li> </ul>

\* Must be accompanied by a summary sheet and marked up plan showing Lot description, test locations, depths, and results.



## **8919.6 Measurement and Payment**

'As-Constructed' drawings shall be submitted by the Contractor.

The 'As-Constructed' drawings may be either prepared by the Consulting Engineer or the Surveyor and must comply with the requirements defined within the MRC's D20 Drawings and Documentation Guidelines. Payment for such works by the Contractor shall be covered by the Schedule Item 8919.3, Supply 'As-Constructed' Documentation and all costs incurred in engaging, organising, liaising, and managing the above works shall be paid for by the Contractor including field data collection under this item.