

Supplementary Specification
MRC Supplementary Specification
8112 Flexible Plastic Pipe

Revision 3.0

May 2026



Contents

8112.1	Introduction.....	3
8112.1.1	Definition of Terms.....	3
8112.2	Referenced Documents	3
8112.3	Description of Work Items.....	3
8112.4	Quality Systems Requirements.....	4
8112.4.1	Std Test Methods (Testing Regime).....	4
8112.4.2	Hold Points, Witness Points and Milestones	4
8112.4.3	Construction Tolerances.....	6
8112.5	Preliminary	6
8112.5.1	Materials.....	6
8112.5.2	Contractor's Personnel	7
8112.5.3	Environmental Plan	7
8112.5.3.1	General	7
8112.5.4	Permits for Work	7
8112.5.5	General Workplace Health and Safety Requirements.....	7
8112.5.5.1	Legislative Compliance	8
8100.5.5.2	Council Work Health Safety Contractor Requirements.....	8
8200.5.5.3	Safe Systems of Work / Risk Assessment	8
8100.5.6	Works Procedure.....	8
8112.6.1	Work Operations	9
8112.6.1.1	Work Scope.....	9
8112.6.2	Supplying All Materials Inclusive of Fittings	10
8112.6.3	Preparation of the Site Storage Area, Unloading and Storage at the Site.....	10
8112.6.4	Carrying Out Excavations.....	10
8112.6.5	Utilising or Disposing of Excavated Material	11
8112.6.6	Dewatering of Trench and Bed Floor (as required)	11
8112.6.7	Foundation Conformance and Testing (as required).....	11
8112.6.8	Installation of Pipe Including Compacting and Backfilling as per AS/NZS 2566.2	11
8112.6.9	Compliance Testing Inclusive of CCTV and Deflection Testing.	12
8112.6.9.1	Post construction CCTV of Pipeline	12
8112.6.9.2	Deflection Testing of Pipeline.....	12
8112.7	Post Construction	13
8112.7.1	Tests and Test Records	13
8112.7.2	Collection and Submission of All As Constructed Data.....	13
8112.8	Measurement and Payment.....	13



8112.1 Introduction

This supplementary specification refers to the supply and installation of flexible plastic pipe for the purposes of stormwater drainage.

8112.1.1 Definition of Terms

Term	Definition
UPVC	Unplasticized polyvinyl chloride
OPVC	Oriented polyvinyl chloride
ABS	Acrylonitrile butadiene styrene
GRP	Glass filament reinforced plastic
PE	Polyethylene
PP	Polypropylene
Superintendent	MRC authorised officer or their representative

8112.2 Referenced Documents

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

- WSAA Sewer Code of Australia WSA 02 – 2002;
- MRS01 *“Introduction to Specifications”*;
- MRTS01 *“Introduction to Technical Specifications”*;
- MRS03 and MRTS03 *“Drainage, Retaining Structures and Embankment Slope Protections”*;
- MRS04 and MRTS04 *“General Earthworks”*;
- MRS50 and MRTS50 *“Specific Quality System Requirements”*;
- MRC Supplementary Specifications 8100 *“uPVC Pipes and Fittings”*;
- MRC Supplementary Specifications 8111 *“uPVC Pits”*;
- AS/NZS 1260:2009 *“PVC-U pipes and fittings for drain, waste and vent application”*;
- AS/NZS 2032 *“Installation of PVC pipe systems”*;
- AS/NZS 2566.1 *“Buried Flexible Pipelines - Part 1, Design”*;
- AS/NZS 2566.2 *“Buried flexible Pipelines -Part 2 Installation”*;
- AS 3571.1 - Plastics Piping Systems – *“Glass reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin, Part 1: Pressure and non-pressure drainage and sewerage”*;
- AS/NZS 3690 – *“Installation of ABS pipe systems”*;
- AS/NZS 5065 – *“Polyethylene and Polypropylene pipes and fittings for drainage and sewerage application”*;
- Transport for NSW (TfNSW) Specification R23 – Plastic Flexible Pipes (current version);
- Water Services Association of Australia WSA 05-2013 *“Conduit Inspection Reporting Code of Australia”*;
- Manufacturer’s Specifications and Technical Guide; and
- The Project Drawings

8112.3 Description of Work Items

Work items incorporated by this supplementary specification are identified in Section 8112.6 and 8112.7 with individual activities/tasks for measurement and payment sourced from the Bill of



Quantities and listed in MRC Supplementary Specification Annexure 8112_1 Flexible Plastic Pipes Section 1

8112.4 Quality Systems Requirements

The contractor shall prepare a quality plan reflective of the requirements of this Specification and comply with MRTS 50. The quality plan is to be submitted to the Superintendent for approval four (4) weeks prior to site works commencing.

MILESTONE

8112.4.1 Std Test Methods (Testing Regime)

The following minimum testing regime applies to this specification:

Unless otherwise stated the manufacturer certification of the flexible plastic pipe and components shall form the basis of the requirements.

Civil works activities associated with the flexible plastic pipe shall be tested as per MRTS03, MRTS04, WSAA 05, and AS/NZS 2566.2 unless otherwise approved by the Superintendent. Where conflict may exist AS/NZS 2566.2 shall take precedence.

8112.4.2 Hold Points, Witness Points and Milestones

Milestone

Milestone is a point within a project which marks the start or completion of an activity or compliance requirement. Generally associated with provision of records or data for verification with the projects contract and specification.

Hold Points

Hold points are noted on various Sections of this Specification.

“HOLD POINTS” are critical stages of the work, which require inspection by the Superintendent (or his nominated representative) and beyond which the Contractor will not be permitted to proceed without the written approval of the Superintendent.

A written “request for inspection” form shall be submitted to the Superintendent at least 48 hours prior to reaching the relevant “HOLD POINT”. One copy shall be submitted for each inspection. The signed copy will be handed back to the Contractor after the inspection to sanction work to proceed to the next stage or noting what work has to be done prior to re-inspection. This may involve inspection of the work by the Superintendent or approval of test results forwarded to the Superintendent by the Contractor.

Witness Points

Witness points are also important stages of work. However, these are not necessarily critical work stages as defined by the hold points. Witness points are where the Superintendent (or his/her nominated representative) may review, witness, and inspect the work. The activities, however, may continue to proceed.

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

Activity	Inspection Type	When	Reference
Construction Procedure and other submissions as required by Clause 8112.5	Milestone	4 Weeks prior to works commencing	8112.5



Certification of design and construction practice of loading pipes prior to minimum cover is achieved	Milestone	Certification of loading prior to installation	8112.6
Inspection of delivered items	Hold Point	At delivery time for each item.	8112.6.2
Storage of pipes and fittings , and Inspection for suitability of use	Hold Point	Prior to use	8112.6.1 c)
Test result submission of embedment materials and native soils	Hold Point	48 hours prior to use	8112.6.4)
Base excavation floor (unsuitable material)	Hold Point	At completion of excavation and compacting	8112.6.4
Submission of geotechnical advice of excavated floor (as required)	Hold Point	Prior to approval to install bedding	8112.6.4
Foundation testing and inspection – approval to proceed	Hold Point	After base floor has been trimmed, compacted, tested, and prepared for inspection	8112.6.7
Laying and compacting of bedding material	Witness Point	Prior to laying pipes	8112.6.8
Bedding of pipe	Witness Point	During laying of pipe	8112.6.8
Approval to proceed, pipe geometrics are compliant and within tolerances	Hold Point	Prior to commencing backfilling	8112.6.8
Backfilling procedure carried out as per specification and submitted works procedure	Witness Point	During backfilling process	8112.6.8
Trench width at springline	Hold Point	Prior to continuing backfilling past side zone	8112.6.8
CCTV Survey and submission of report/s	Hold Point	At completion of backfilling works	8112.6.9.1
Deflection testing of pipes	Hold Point	30 days after works are complete	8112.6.9.2
Audit inspection of testing	Witness Point	Notification 1 day prior to test/s being carried out	8112.7.1
Submission of all test results in line with contractors approved quality plan	Hold Point	At completion of all works prior to practical completion inspection being requested	8112.7.1
Works “As Constructed” documentation	Hold Point	4 weeks prior to practical completion being requested.	8112.7.2



8112.4.3 Construction Tolerances

Unless otherwise approved by the Superintendent the following construction tolerances shall apply as to this Specification;

The construction activity outcome shall not depart from the widths, lengths, heights, and shapes specified by the relevant specifications as applies to this specification;

- Earthworks tolerances in accordance with MRTS04 General Earthworks.
- Bedding, laying, and backfill to culvert tolerances in accordance with MRTS03
- Excavation, installation and laying of pipes in accordance with AS/NZS2566.2

Tolerances specific to the project are detailed on the design drawings and are included in Clause 2 of MRC Supplementary Specification Annexure 8112_1 Flexible Plastic Pipes

8112.5 Preliminary

The Contractor is to submit the following documentation 4 weeks prior to commencing work or a prestart is conducted:

- RPEQ Engineer endorsed design compliance to AS/NZS 2566.1,
- Certification of compliance for AS/NZS 1260, 2033, 3518, 3571.1, or 5065 whichever is appropriate,
- Construction procedure covering all facets of handling and storage, excavation, installation, and backfilling for the appropriate materials used,
- Quality Plan compliant with MRTS50,
- Material test results for embedment and backfilling materials, and native soils, as required,
- Erosion and Sediment Control Plan (as required for site/s),
- Traffic Management Plan and TGS's, as required,
- Workplace Health and Safety Plan including specific to the work and site/s,

Other preliminary requirements unique to the project will be listed in the MRC Supplementary Specification Annexure 8112_1 Flexible Plastic Pipes

MILESTONE

8112.5.1 Materials

All materials proposed for use under this Supplementary Specification shall be RMS (TfNSW) approved products, this includes fittings, compliance with the design drawings and documentation, and manufacturer compliance to AS/NZS 1260, 2033, 3518, 3571.1, or 5065 whichever is appropriate for the pipe material. When delivered to site the Certificate of Compliance of the materials shall be submitted to the Superintendent.

Flexible plastic pipes shall be proprietary products as specified on project Drawings or approved equivalent. The contractor is to submit to the Superintendent the proposed site storage procedure of all components as required by Clause 2.4 of AS/NZS 2566.2.

MILESTONE

Supply of all materials to site is the responsibility of the Contractor at their cost, where items are Principal supplied the nominated storage site shall be obtained from MRC Supplementary Specification Annexure 8112_1 Section 3 and shall be the point of supply.

Unless instructed otherwise by the Superintendent all existing pipes and fittings not noted on the design drawings for salvaging are to be taken up and disposed of, MRC Supplementary Specification Annexure 8112_1 Flexible Plastic Pipes Section 4 will detail the items to be salvaged and the nominated storage site.



This will also include any reuse of existing items. Disposal of existing pipes, fittings, and other associated materials and works shall be included in the scheduled unit rate covered by this supplementary specification and its annexure.

Pipeline components (pipes, fittings, and accessories) shall be inspected at delivery and immediately prior to installation, acceptance criteria shall be as set out in Clause 3.2 of AS/NZS 2566.2. Any pipeline or component that does not meet these acceptance criteria or the certificate of compliance is not submitted is not to be installed and shall be removed from the work site at no cost to the Principal.

HOLD POINT

Embedment material shall conform to AS/NZS 2566.2 for the activity being carried out. Backfill material (trench fill) shall be checked for its suitability as backfill material complying with the requirements of AS/NZS 2566.2, results are to be submitted to the Superintendent 4 weeks prior to use on site.

HOLD POINT

8112.5.2 Contractor's Personnel

Personnel, sub-contractors and suppliers utilised in the demolition/removal, construction and installation of access culverts shall be experience in the processes and activities required to carry out the works.

The Contractor shall provide documented evidence for the Superintendent's approval to demonstrate the experience, qualification, skills and training of proposed personnel, sub-contractors a minimum 4 weeks prior to works commencing.

MILESTONE

8112.5.3 Environmental Plan

The Contractors Environmental Plan shall be reflective of the requirements of MRTS51 and MRS51 and be submitted for approval by the Superintendent 4 weeks prior to site works commencing.

MILESTONE

8112.5.3.1 General

The Contractor shall remove all rubbish, debris, disused materials etc., from the Site. The Site shall be maintained in a clean state.

The Contractor shall be responsible for ensuring no debris is deposited on public or private rights of way because of the works outside of the immediate work area, including any deposits arising from the movement of plant and vehicles.

The Contractor shall keep pollution in the vicinity of the Works within reasonable minimum limits noting that this clause does not exempt the Contractor from complying with the limits controlled or required by legislation.

The Contractor shall collect, transport and dispose of waste at a registered waste facility.

8112.5.4 Permits for Work

The Contractor must ensure applicable permits for the various work activities are completed and approval issued by the statutory body for those works, all requirements for submission, completion, and obtaining permits shall be at the Contractors cost.

8112.5.5 General Workplace Health and Safety Requirements

As a condition of this document, it is required that the Contractor and its workers (including all sub-contractors etc., and their workers) engaged to perform a service or work on site must at all times ensure (so far as reasonably practicable) the health and safety of all persons who are, or may be, affected by work under this Supplementary Specification or the services provided.



8112.5.5.1 Legislative Compliance

Without limiting the Contractor's other obligations, the Contractor must comply with all Acts, Regulations, Standards and Codes of Practice about work health and safety matters that are applicable to the scope of work undertaken or services being provided.

8100.5.5.2 Council Work Health Safety Contractor Requirements

As a minimum, the Contractor must ensure they and their workers (including all Contractor's sub-contractors etc.) comply with the following work health and safety requirements:

- Undertake Council Contractor and site inductions prior to commencing work.
- Ensure all workers are competent, and provide proof of competencies, licenses, and training on request.
- Have an approved safe system of work (including risk assessment) for the task and ensure the work is completed according to this safe system of work.
- Provide adequate supervision for all high-risk construction tasks.
- All incidents and near misses are to be reported to their Council representative within 60 minutes.
- Participate in Contractor pre-start meetings, safety interactions, site meetings and site inspections.
- Review information provided by Council such as site-specific hazards, risks and interaction issues and implement controls to, so far as reasonably practicable, eliminate, or if that is not possible, mitigate the risk.
- Supply safe plant and equipment with pre-start checks, maintenance/ service records and manufacturer's manual.
- For all hazardous chemicals, ensure current Safety Data Sheets (SDS) are available and that appropriate controls (including as required under SDS requirements) are implemented.
- Comply with Council Safety, Drug and Alcohol and Fitness for Work policies.
- Be familiar with applicable site emergency procedures, closest emergency assembly point and sign in and out of site registers where required.
- Compliance with any reasonable direction given by Council relating to work health and safety.

8200.5.5.3 Safe Systems of Work / Risk Assessment

The Contractor must prepare and submit a safe method of work (risk assessment) and relevant controls prior to commencement of work.

The completed risk assessment is to be provided to the Superintendent for review and approval prior to works commencing. Safe Work Method Statements (SWMS) are required for all high-risk construction activities (e.g. working on or adjacent to a road) and Job Safety Analysis (JSA) or similar risk assessments are required for other tasks. The risk assessment (whether SWMS, JSA or other) must be reviewed and signed by the workers prior to undertaking the work.

MILESTONE

The Contractor shall implement a Safety Management System (SMS) that includes sections addressing the project scope.

8100.5.6 Works Procedure

The Contractor shall prepare a works procedure for all activities required under this specification which also address WH&S specific requirements for the site, this shall include but not be limited to the following;

- I. Site setup and disestablishment, including traffic management and public consultation,



- II. Identification of underground utilities which impact the works and the proposed treatment to address the impacts,
- III. Staging of works,
- IV. Traffic management and TGS's,
- V. Individual activity construction procedures, earthworks, drainage, bedding, laying, jointing, backfilling, concrete works, landscaping, testing and inspections as required,
- VI. Timeline of works,
- VII. Site clean up
- VIII. Collection of "As Constructed" data.

The works procedure shall be submitted to the Superintendent for approval four (4) weeks prior to site works commencing.

MILESTONE

8112.6 Construction

This section lays out the works operations with more detail based on specific requirements of this supplementary specification. Some activities may appear to include items which are stated within other specifications, the purpose is to reinforce that requirement specific to this supplementary specification.

Flexible plastic pipe shall be installed in the locations, and in accordance with the details, shown on the project drawings, and the manufacturer's specifications and in accordance with AS/NZS 2566.2 and the product specific AS/NZS installation standard shown in Clause 8112.2

Flexible plastic pipes may be used directly under road pavement structures in accordance with AS/NZS 2566.2 requirements subject to the pipe being a single pipe. Where multiple barrels of pipe installation is required as part of the design drawings the backfill in the Embedment Zone shall be stabilised with a minimum 4% cementitious binder and pipes shall be separated by a minimum two- and one-half pipe diameters i.e. 600mm diameter culvert, 900mm separation between barrels/runs.

Where it is proposed to move heavy construction plant and vehicles over pipes before the minimum cover requirements for the passage of such traffic have been achieved, the Contractor shall implement, design, and provide protective measures for each crossing proposed and submit as part of their Construction Procedure as well as providing structural certification of the materials type to cater for the construction loading applied..

MILESTONE

8112.6.1 Work Operations

Work operations incorporated in this item are those included in Clause 2.1.5 of MRS01 "Introduction to Standard Specifications" and the following work scope activities and associated sub activities;

8112.6.1.1 Work Scope

The scope of works (including all associated sub activities) covered under this specification is as follows:

- Procure, supply, and store all materials as required;
- Site Layout marked out and approval by Superintendent;
- As required, install and maintain ESC measures in accordance with approved Environmental Plan
- Carry out testing and inspections as required by the approved Quality Plan;
- Removal for re-use and/or demolition of existing pipes, pits/manholes, kerb adaptors, and fittings;



- Earthworks (including stripping/clearing and grubbing) to site;
- Drainage works to the site as required;
- Embedment (bedding, haunch, overlay) and backfill to pipes and manholes/pits;
- Installation of pipes and pits/manhole structures (as required);
- Setting up of reinforcing and formwork;
- Pouring, finishing, stripping of formwork, and curing of concrete;
- Clean up of site
- Collection of “As Constructed” data and submission for approval.

8112.6.2 Supplying All Materials Inclusive of Fittings

All materials, plant, and labour required to carry out the works under this Specification is to be supplied by the Contractor, where the drainage pipes and fittings are Principal supplied the designated storage site will be the point of supply for the purposes of this Specification.

All items shall be inspected at delivery to site prior to use. Inspection of pipes and fittings shall be carried out by the contractor as required by Section 3 AS/NZS 2566.2. Any items which are damaged are not to be used and are to be returned to the supplier.

HOLD POINT

8112.6.3 Preparation of the Site Storage Area, Unloading and Storage at the Site

Site storage and location shall be approved by the Superintendent, the Contractor is responsible for all works required to ensure the storage area is suitable for the purpose of storage of the pipes, fittings, rubber rings, jointing lubricants, with petroleum products, solvents, and greases stored separately to the rubber rings.

All products are to be stored to minimise heat and direct sunlight, and supported to minimise distortion and longitudinal bending. Where pipes are bent from poor storage the Superintendent shall determine whether these will be returned to the supplier and replaced at no cost to the Principal.

HOLD POINT

8112.6.4 Carrying Out Excavations

The design drawings shall include verification of the grading ratios of the native soil or backfill and embedment material. Where this is not available prior to the commencement of the works the Contractor shall submit test results prior to the consulting Engineer and Superintendent a minimum 48 hours prior to excavation of the trench.

HOLD POINT

Where there is the possibility of migration of fines from the native soil to the embedment zone the embedment shall be wrapped in a geotextile filter fabric complying with Figure 5.1 and Appendix I of AS/NZS 2566.2.

Prior to excavations commencing the contractor shall ensure all services are located. All excavation of material shall be to level, grade, and dimensions as per design drawings, with all excavation works carried out in accordance with design drawings and Section 4 of AS/NZS 2566.2.

Bottom of excavation is to be inspected for areas of unsuitable material. If unsuitable material is identified this is to be removed and replaced with approved material as per the instructions of the Superintendent.

HOLD POINT



Where the foundation material of the trench shows significant differences in the material from that shown on the design drawings the Contractor shall obtain geotechnical advice with works ceasing until the design re-evaluation has been confirmed or modified as required by Clause 4.3.2 of AS/NZS 2566.2.

HOLD POINT

8112.6.5 Utilising or Disposing of Excavated Material

Excess excavated materials shall be disposed of by the contractor or utilised as per Superintendents instructions. Material stockpiled shall ensure that all Environmental ESC measures are in place and maintained.

8112.6.6 Dewatering of Trench and Bed Floor (as required)

Groundwater shall be kept below the bottom of the cut. Where dewatering is required as part of these works operations excavations shall be kept free of water to maintain the stability of the surrounding soil and to provide suitable working conditions until the pipeline has been installed and embedment and fill materials placed and compacted to a sufficient height to prevent flotation occurring.

8112.6.7 Foundation Conformance and Testing (as required)

The foundation floor shall be excavated and trimmed to the levels and tolerances required as set out in the project drawings, and compacted and tested. The minimum testing frequency of the foundation shall be 1 test/50m² with a minimum 2 per lot as required by Clauses 13.3.6 and CI 15 of MRTS04.

The Superintendent shall give the approval to proceed with bedding of the trench upon confirmation of test results and satisfactory site inspection of the floor/foundation.

HOLD POINT

8112.6.8 Installation of Pipe Including Compacting and Backfilling as per AS/NZS 2566.2

Approved bedding material shall be laid, compacted, and trimmed to the levels as required by the project drawings with geometric tolerances and testing as required by AS/NZS 2566.2.

WITNESS POINT

The contractor must ensure the bedding is fully supporting the pipe when laid with localised minimal excavated pockets to accommodate pipeline projections such as joints, sockets, flanges, and couplings.

WITNESS POINT

The laying and jointing of the pipes shall be carried out as per the manufacturers requirements and Section 5 and Appendix F of AS/NZS 2566.2. The contractor shall supply geometric survey of the laid pipe prior to any backfilling occurs to the side zone or overlay zone.

Approval to proceed shall be granted if the laying tolerances of the pipe are Horizontally +/- 100mm's, Vertically +/- 10mm's as required by Clause 8 MRTS03 and are within the levels and grades set out in the project drawings, and cover to obvert shall not be less than that specified in Table 4.1 AS/NZS 2566.2 for the location of the pipe run.

HOLD POINT

Backfilling of the side zone, overlay, and fill zone shall be carried out with appropriate compaction equipment for the fill type and cover over the pipe/s, refer to manufacturers specification and Appendix H AS/NZS 2566.2 as a guideline. Layers shall be as per Appendix H AS/NZS 2566.2 with the exception the maximum lift being 150mm per layer with side zone layers not differing in height by more than 150mm from each other. Compaction testing shall be 1 test/2 layers/100m or part thereof. Within the side zone compaction testing shall be carried out at the same frequency on both sides of the pipeline.

**WITNESS POINT**

The width of the trench at the springline shall be as per Table 4.2 and Figure 1.2 of AS/NZS2566.2, where the trench width is other than as per above works will cease as required by Clause 4.4.6 of AS/NZS 2566.2.

HOLD POINT

Where more than a single pipe (barrel) installation is designed to be installed, the requirements of backfilling in the Embedment Zone shall be stabilised with a minimum 4% cementitious binder and pipes are separated by a minimum two- and one-half pipe diameters.

8112.6.9 Compliance Testing Inclusive of CCTV and Deflection Testing.**8112.6.9.1 Post construction CCTV of Pipeline**

Following the installation of the pipeline and its components a CCTV inspection, by use of a panning head camera of each segment of the lined stormwater (access chamber to access chamber) shall be carried out in accordance to the WSA 05-2013 system to establish that the works have been carried out as per the design drawings.

HOLD POINT

The Contractor shall deliver the post installation CCTV report to the Superintendent for approval as soon as possible after the work has been completed. The delivery of the CCTV report shall be formalised by submission of a signed version of the Lot ITP which States that the completed CCTV works and the physical laid pipe has been quality assessed in terms of the approved Quality Assurance Plan and compliance to specification and design drawings.

CCTV data shall be collected as specified in Supplementary Specification 8119 including camera and technical standards.

[https://www.mackay.qld.gov.au/data/assets/pdf_file/0006/324924/8119 CCTV Inspection of New Underground Stormwater Infrastrucutre.pdf](https://www.mackay.qld.gov.au/data/assets/pdf_file/0006/324924/8119_CCTV_Inspection_of_New_Underground_Stormwater_Infrastrucutre.pdf)

The Superintendent shall review the CCTV and advise the Contractor should any defect be detected for appropriately agreed rectification.

Failure to submit video evidence of the completed work will result in non-acceptance for the segments of work carried out.

All CCTV works should be compatible with the MRC asset management system (Assetic). All the inspection headers should have the MRC asset management system ids.

Unless otherwise requested, post-line CCTV reports are to be submitted to MRC on hard drive in pdf, video and WinCam V8 format for integration into the Council records.

CCTV files shall be named as follows:

[Asset ID] [Year]_[Month] Postline

8112.6.9.2 Deflection Testing of Pipeline

Thirty (30) days after the completion of all works the Contractor shall carry out deflection testing of the pipeline. The Contractor shall carry out the test as per Section 5.7, 6.5, and Appendix) of AS/NZS 2566.2

HOLD POINT

The pipeline must meet the acceptance criteria as set out in Appendix O, Table 5.6, and table 6.2 of AS/NZS 2566.2



Sections which do not meet these criteria shall be taken up and new pipe and components laid at no cost to the Principal.

8112.7 Post Construction

Items which close out the project and readies the project for the “On Maintenance” inspection. All items below **MUST** be complied with prior to the Contractor requesting an “On Maintenance” inspection and/or as required during the Defects/Liability (On Maintenance) period.

8112.7.1 Tests and Test Records

The Contractor shall give the Superintendent one (1) working days’ notice of the intention to undertake testing of each segment of pipeline.

In general, the Superintendent will undertake witnessing of the tests on an audit basis, the frequency of these audits will be determined by the success to failure ratio.

WITNESS POINT

The Contractor shall undertake all testing as detailed in this specification and any other tests it requires to meet its Quality Plan and provide a copy of these results to the Superintendent. Costs for these shall be borne by the Contractor and deemed to be included in the scheduled rate.

HOLD POINT

8112.7.2 Collection and Submission of All As Constructed Data.

The Contractor is to supply and submit “As Constructed” documentation as required by *MRC D20 - Drawings and Documentation* for approval by the Superintendent 4 weeks prior to requesting an “On Maintenance” inspection.

HOLD POINT

Format of submitted “As Constructed” documentation shall be compliant with MRC Supplementary Specification 8919.

8112.8 Measurement and Payment

The length of pipe, under this item, shall be measured as the distance along the centreline of the pipe where it is being installed.

Provision for these works shall be included in the scheduled unit rate for the items show in Clause 8112.3 of this Supplementary Specification and Annexure. No separate payment will be made for the works operations specified within this Supplementary specification or it’s annexure.

Version Control:

Version	Description	Reviewed / Endorsed	Date
1.0	Original issue		01.03.2022
2.0	Review of specification	C. Sultana	03.06.2024
2.1	Minor Corrections to References	C. Sultana	22.01.2025
3.0	Full Review of Specification	C. Sultana	13.05.2026