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| **INSPECTION TEST AND PLAN - M8** |
| **Contractor/customer:**  | **Date of issue:** |
| **Project title:** | **Prepared by:**  |
| **Water Corporation project No.:** | **Job/contract number:**  |
| **Description and system:**  | **No. of pages: 3** |
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| **Legend of inspection points:*** Technical Specification Verification – DS95
* M8 – Cement Mortar Lining Repairs in New MSCL Pipes
* AS1281 Cement Mortar Lining of Steel and Fittings
* Manufacturer’s approved experienced applicator

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|  **H = Hold Point.** Work may not proceed without approval or notification, unless approved by the principal or contractor.  **W = Witness Point.** Work may proceed without the presence of the principal. **S = Surveillance.** Witness at random, no formal notification required.  **V = Verify.** **R/A = Review.** Documents & accept.**(work can proceed if principa**l **cannot attend hold point inspection within three hours of notified time for attendance)** |

Coating specification: Water Corporation DS95 System C2. |

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| **No** | **Activity/Operation** | **Verification**  | **Person Responsible** | **Inspection & Verification Points** |
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| **Reference Document / Standard** | **Acceptance Criteria** | **Sub-Contractor** | **Sign** | **Main Contractor** | **Sign** | **Water Corporation** | **Sign** |
| 1 | Review client specifications and approval of ITP | * Specification M8
* TDS
* AS1281
 | Read and fully understand the application requirements  | QC Inspector | **R/A** |  | **R/A** | **WN** | **V** |  |
| 2 | Repair Mortar Fosroc Renderoc HB70 | * TDS
* EN1504 for R4
* AS4020
* M8
 | Shelf life of 36 months Kept in the original, unopened bags. No lumps or a loss of workabilityStorage conditions as per TDS, i.e. no high temperature or high humidity  | QC Inspector/ Approved Applicator | **V** |  | **S** |  | **W** |  |
| 3 | Primer Fosroc Nitobond EP | * TDS
* M8
 | Shelf life of 24 months Kept in dry, original, unopened containers. Storage conditions as per TDS, i.e. no high temperature or high humidity  | QC Inspector/ Approved Applicator | **V** |  | **S** |  | **W** |  |
| 4 | Curing agent Fosroc Concure A99 | * TDS
* M8
 | Stored in dry conditions, 5-350C in original unopened packagingProtect from frostNo lumps or bacterial (rotting) smell.  | QC Inspector/ Approved Applicator | **V** |  | **S** |  | **W** |  |
| 5 | Surface Preparation - Removal of loose scale, rust and foreign matter by scraping (with hard-metal scraper) and wire brushing, disc, sanding etc | * Specification M8.
* AS 1627.2
* AS 1627.7
 | Class St 2  | QC Inspector/ Approved Applicator | **H** |  | **W** |  | **W** |  |
| 6 | Cut back existing CML | * Specification M8
* AS 1281
 | Angle between 750 to 850 Clean sound edge | QC Inspector/ Approved Applicator | H |  | **W** |  | **W** |  |
| 7 | Substrate & Ambient Conditions | * Specification M8
* AS 3894.7
* TDS (Fosroc)
 | Substrate and ambient temperatures shall be ≥50C to ≤350C | QC Inspector/ Approved Applicator | **V** |  | **W** |  | **S** |  |
| 8 | Apply primer Fosroc Nitobond EP on the prepared steel surface  | * Specification M8
* TDS (Fosroc)
 | Uniform thickness and “**tacky”** prior mortar application  | QC Inspector/ Approved Applicator | **H** |  | **W** |  | **W** |  |
| 9 | Applying Fosroc Renderoc HB70 | * Specification M8
* TDS (Fosroc)
* AS 3894.3
* AS1281
 | Uniform finish Design thickness as per AS1281 | QC Inspector/ Approved Applicator | **H** |  | **S** |  | **S** |  |
| 10 | Applying Curing Agent | * Specification M8
* TDS (Fosroc)
 | Uniform application  | QC Inspector/ Approved Applicator | **H** |  | **S** |  | **S** |  |
| 11 | Final mortar inspection | * Specification M8
* TDS (Fosroc)
* AS 3894.3
* AS1281
 | Uniform finish with no cracks, voids, delamination, etc. Achieved design thickness.  | QC Inspector/ Approved Applicator | **H** |  | **W** |  | **W** |  |
| 12 | Verifying acceptancedocumentation | * Specification M8
* IRC
 | Check that all inspection, test documentation and completion reports have been completed and signed. Submit documentation to Contractor/Principal.  | QA Inspector, Contractor,Principal. | **H/RA** |  | **RA** |  | **RA** |  |

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| **ITP REVIEWED AND ACCEPTED FOR ISSUE** |

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| **Type** | **Company** | **Name** | **Signature** | **Date** |
| Contractor |  |  |  |  |
| Client |  |  |  |  |
| Principal |  |  |  |  |
|  |  |  |  |  |