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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** |
| |  |  | | --- | --- | | **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  |  | | --- | | **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. | | |

| **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 workability  Storage 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 packaging  Protect from frost  No 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 acceptance  documentation | * 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 |  |  |  |  |
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