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| **INSPECTION TEST AND PLAN Sintakote Coating to Comply with Water Corporation DS-95** | |
| **Contractor/Customer:**  Enter licensee | **Date of issue: #** |
| **Project Title:** - | **Prepared By:** Enter licensee |
| **Water Corp Project No.:**  e.g. CW03077 | **Job/Contract Number:** |
| **Description and System:**  e.g DN1200 pipe Wireless hill | **No. of Pages: 2** |
| **Legend of Inspection Points:**   |  | | --- | | **H = Hold Point** work may not proceed without approval or notification, unless approved by 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)** | | |

| **No** | **Activity/Operation** | **Specification / Document** | **Acceptable Criteria** | **Verifying Document** | **Person Responsible** | **Inspection & Verification Points** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sub-**  **Contractor** | **Sign** | **Contractor** | **Sign** | **Principal or nominee** | **Sign** |
| 1 | Review Client Specifications | * Water Corporation DS95 * Reference M2 & L1 | Compliance to Steel Mains Sintakote application | Signed and approved ITP | QA/QC Inspector | **R/A** |  | **R/A** |  | **V** |  |
| 2 | Blasting and Coating Applicators Qualification | * Water Corporation DS95 * ASTM D4228 | As per coating contractor’s internal procedure and standards | Verification of competency record (VOC) | QA/QC Inspector | **H** |  | **V** |  | **V** |  |
| 3 | Certificate of Inspection Personnel | * Water Corporation DS95 * Licensee agreement with Steel Mains | Certified as per specification requirements | NACE/ACA | QA/QC Inspector | **V** |  | **V** |  | **W** |  |
| 4 | Calibration of all Test Equipment | * Water Corporation DS 95 * AS3894.3 | Equipment Manufacturers Criteria, qualified person or NATA registered or equivalent testing facility | Calibration and Testing Certs and Records. | QA/QC Inspector | **H** |  | **W** |  | **W** |  |
| 5 | Receive Materials | * Material specification | Inspect as received | Delivery dockets | QA/QC Inspector | **W** |  | **R/A** |  | **R/A** |  |
| 6 | Preparation of surface | * AS 1627.4 * Class 2.5 | Abrasive blast-cleaned | Signed ITP | QA/QC Inspector | **R/A** |  | **R/A** |  | **R/A** |  |
| 7 | Surface Cleanliness | * WC Design Spec DS 95 AS 4321 or Spec A1 Class3 | Free from oil, grease, dirt and foreign matter | Signed ITP | QA/QC Inspector | **R/A** |  | **R/A** |  | **R/A** |  |
| 8 | Application of Polyethylene powder (Sintakote) | * WC Design Spec DS 95 * AS 4321 | Check the finished surface | Signed ITP | QA/QC Inspector | **S** |  | **S** |  | **S** |  |
| 9 | Sintakote coating Inspection | * WC Design Spec DS 95 * AS 4321 | **Coating and Lining Thickness**  **OD Coating**  **≤S273 1.6**  **>273≤508 1.8**  **>508≤762 2.0**  **>762 2.3** | Signed ITP / Signed ITR | QA/QC Inspector | **S** |  | **S** |  | **S** |  |
| 10 | Sintakote coating Bond strength Inspection | * WC Design Spec DS 95 * AS 4321 | Bond Strength | Signed ITP / Signed ITR | QA/QC Inspector | **H** |  | **S** |  | **S** |  |
| 11 | Coating set back (no less than 100mm from any future weld zone) | * WC Design Spec DS 95 * AS 4321 | Measure distance  (1 :3 angle at the transition) | Signed ITP | QA/QC Inspector | **H** |  | **S** |  | **S** |  |
| 12 | Continuity Test | * WC Design Spec DS 95 * AS 4321 | No Holiday at >=12kv | Signed ITP | QA/QC Inspector | **H** |  | **H** |  | **S** |  |
| 13 | Final Inspection | * WC Design Spec DS 95 * AS 4321 | All items comply with ITP | Inspection Release Cert's | QA/QC Inspector | **H** |  | **H** |  | **H** |  |
| 14 | Repairs (If required) | * WC Design Spec DS 95 * AS 4321 | Check for any possible damage to pipe coating | Signed ITP | QA/QC Inspector | **W** |  | **R** |  | **R** |  |
| 17 | Verifying acceptance  documentation. | * Water Corporation DS 95 * AS3894.12 or equivalent approved | Check that all inspection, test documentation and completion report has been completed and signed. Submit documentation to Contractor/Principal. | Completion Report.  IRC and signed ITP. | QC Inspector,  Contractor,  Principal. | **H/R** |  | **RA** |  | **RA** |  |

**Work cannot proceed without an approved ITP**

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| **ITP Reviewed and Accepted For Issue** | | **Name** | **Signature** | **Date** |
| **Sub-Contractor** |  |  |  |  |
| **Contractor/Client** |  |  |  |  |
| **Principal** | Water Corporation |  |  |  |