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| Developer: | | Water Servicing Coordinator: |  | WSC Site Representative: | | | | |
|  | | Constructor: |  | Constructor Site Representative: | | | | |
|  | | Welding Supervisor: |  |  | | | | |
| Case No: | | Sub-contractor: |  | Witness, Hold & Surveillance points added to ITP | | | | |
| Works classification:  Works description: | | Field Tester: |  |
| ITP Prepared by:  Date / / | Reviewed by:  Date / / | Sydney Water Representative:  Date / / | | | | |
| No | Construction/Inspection Activity | Inspection Procedure & Acceptance Criteria | | Const-ructor | WSC\*\* | Sydney  Water\* | Record | Comment |
| 1 | Prestart/Site establish | Visual check. | | X | H | S | Checklist |  |
| 2 | Approved materials on  Site and delivered | Visual check approved materials. Quantity and condition. Checklist completed. | | X | W | S | Checklist |  |
| 3 | Accredited personnel on site | Check Accreditation (ensure that accreditation for welding is checked) | | X | H | S | Checklist |  |
| 4 | Pilot Weld for each welding machine and each pipe size | Visual check that pilot welds are done, Welds to be checked to WSA-01-2004-3.1 | | X | H | S | Checklist |  |
| 5 | Welding procedure prequalification | Butt welding/Electro fusion welding to WSA-01-2004-3.1 | | X | H | S | Checklist |  |

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| 6 | Excavation and pipe laying (including sidelines and IO’s) | Visual and dimensional check to Sydney Water Standards and Leak Tight Sewer Specification. Checklist completed. | X | W | S | Checklist |  |
| 7 | Welding on site | Welding to be carried out to pre-approved procedure | X | W | S | Checklist |  |
| 8 | For Butt welding only: De-beading | All internal weld beads to be removed for visual examination by an approved bead removal tool | X | W | S | Checklist |  |
| 9 | Selecting Welds for testing | Ensure that test welds are taken (Frequency shown in Leak Tight Sewer Specification) | X | H | S | Checklist |  |
| 10 | Maintenance Holes, Maintenance Shafts and Terminal Maintenance Shafts. Ensure connection to MH’s, MS’s and TMS’s done according to Leak Tight Sewer Specification | Visual and dimensional check to Sydney Water Standards and Leak Tight Sewer Specification. Checklist completed. | X | H | S | Checklist |  |
| 11 | Structural MH’s to specification – either to design plans or to DTC drawings | Visual and dimensional check to Sydney Water Standards, Design plans (structural details), DTC drawings (if applicable) and Ventshaft guidelines. Checklist completed. | X | H | S | Checklist |  |
| 12 | Ventshafts/Overflows to specifications | Visual and dimensional check to Sydney Water Standards, Design plans (structural details) and Ventshaft guidelines. Checklist completed. | X | H | S | Checklist |  |
| 13 | Embedment and Trench Fill | Visual check and compaction testing to Sydney Water Standards | X | H | S | Checklist , Compaction test results |  |

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| 14 | Surface fittings | Visual and dimension check to Sydney Water Standards | X | H | S | Checklist |  |
| 15 | Survey of main (curved sewers only) | Survey of pipe location before backfill | X | H | S | Checklist |  |
| 16 | Survey of PCS (to be done by constructor) | Survey of pipe location before backfill | H | S | S | Checklist |  |
| 17 | Survey of sewer in easement (if applicable) | Survey of pipe location before backfill | H | H | S | Checklist |  |
| 18 | WAC survey of Structures (MH/MC/MS/TMS/RP) and invert levels | WAC survey | W | H | S | Checklist |  |
| 19 | Testing | Pressure/vacuum (100%), deflection, compaction and infiltration testing tests to Sydney Water Standards and Leak Tight Sewer Specification. CCTV of main sewers and PCS’s.  Testing of sample welds | X | W | S | Test Results |  |
| 20 | Pre-Connection Inspection – Main | Visual inspection to all parties standards  Flow Management procedures as per Job Specific Schedule Letter | H | H | H | WAC. Sewer Main Connection Report |  |

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| 21 | Connection to System | Visual and dimensional check to Sydney Water Standards | | X | | X | | W | | Sewer Main Connection Report | |  |
| 22 | Restoration | Visual inspection against photographs. Clearance letter from Council/property owner | | X | | W | | S | | Clearance letter | |  |
| 23 | Validation | No | Amendment | | Date | | Reviewed | | Symbol | | Legend | |
| I certify that the works have been constructed in accordance with Sydney Water Standards and the Inspection and Test Plan  Water Servicing Coordinator  Date / / | |  |  | |  | |  | | X | | Inspection by | |
|  |  | |  | |  | | H | | Mandatory Hold Point | |
|  |  | |  | |  | | W | | Option given to inspect | |
|  |  | |  | |  | | S | | Surveillance | |

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| \* Sydney Water Corporation reserves the right to vary these requirements at any time \*\*Sydney Water’s written approval MUST be obtained prior to varying these requirements |