

## INSPECTION AND TEST PLAN - SEWER RETICULATION/ CARRIER LAYING

ALL WORKS TO BE CARRIED OUT TO SYDNEY WATER STANDARDS AND LEAK TIGHT SEWER SPECIFICATION

<b>Developer:</b>	<b>Water Servicing Coordinator:</b>	<b>WSC Site Representative:</b>
	<b>Constructor:</b>	<b>Constructor Site Representative:</b>
	<b>Welding Supervisor:</b>	
<b>Case No:</b>	<b>Sub-contractor:</b>	<b>Witness, Hold &amp; Surveillance points added to ITP</b>
<b>Works classification:</b>	<b>Field Tester:</b>	
<b>Works description:</b>	<b>ITP Prepared by:</b> Date / /	<b>Reviewed by:</b> Date / /
		<b>Sydney Water Representative:</b> 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	
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	
14	Surface fittings	Visual and dimension check to Sydney Water Standards	X	H	S	Checklist	

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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	
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	<b>No</b>	<b>Amendment</b>	<b>Date</b>	<b>Reviewed</b>	<b>Symbol</b>	<b>Legend</b>
I certify that the works have been constructed in accordance with Sydney Water Standards and the Inspection and Test Plan.  Water Servicing Coordinator Date / /						<b>X</b>	Inspection by
						<b>H</b>	Mandatory Hold Point
						<b>W</b>	Option given to inspect
						<b>S</b>	Surveillance

\* 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