WATER PIPELINE ACCEPTANCE TESTING RESULTS SHEET

HYDROSTATIC PRESSURE TESTING OF NEW MAINS – PE PIPELINES

GW Reference Number:	
Street(s) / Section / Estate:	
Town:	
Contractor:	
Contractor's Responsible Officer:	
Witnessed By:	
Date construction completed:	
Date of test:	

Notes:

1. All new water mains shall be tested in accordance with:
   - WSA 03-2011-3.1 MRWA Edition, Section 19.4 'Hydrostatic Pressure Testing'
   - MRWA water supply calculator Version 1.9
2. Where the code specifies a 5-hour PE pressure test is required, it is acceptable to first attempt a 15 min No Loss test. A full 5-hour PE test would then be required if the 15 Min No Loss test is unsuccessful.
3. Test sections shall be no greater than 1000m in length.
4. Two working days' notice to the responsible officer is required before any acceptance testing.
5. Completed test result sheets to be submitted to Gippsland Water Responsible Officer or Gippsland Water Accredited Design Consultant with the as-constructed information.
6. All testing must be witnessed by one of either the Design Consultant, a Gippsland Water Officer or an independent auditor as authorised by Gippsland Water. Failure to do so will require retesting to be carried out at the contractor's expense.

Gauge No.	Serial Number	Calibration Report No:	Calibration Date:	Calibration Due:
Gauge 1				
Gauge 2				

Water Temp (°C)	Ambient Temp (°C)	System Test Pressure (metres head)		Pipe external diameter (m)		Pipe length (km)	
		H =		**D =**		**L =**	

Water added during / at end of		Volume (L)
1st hour	$\Delta_{(1h-0h)}$ =	
2nd hour	$\Delta_{(2h-1h)}$ =	
3rd hour	$\Delta_{(3h-2h)}$ =	
4th hour	$\Delta_{(4h-3h)}$ =	
5th hour	$\Delta_{(5h-4h)}$ =	

$V_{all} = 0.14 \times L \times D \times H$				=		
Test passes if $\Delta_{(5h-4h)} \leq (0.55 \times \Delta_{(3h-2h)}) + V_{all}$						
$\Delta_{(5h-4h}$	≤	(0.55	x	$\Delta_{(3h-2h)}$)	+	V_{all}
	≤	(0.55	x		+	
			≤			
Test Pass (Y / N)				Yes/No		

Consultant Signature:		Date:	
Contractor Signature:		Date:	

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