Inspection and Test Plan - Stainless Steel Pipework Installation - Future Pump 1

ITP Reference Number 561482-ITP-006.1

SECTION 1 – GENERAL DETAILS									
Project Name:	DCC11014 Water Pump Station Renewals - SILVERSTREAM			**Inspection Key** *Use in sections 3, 4 and*		**Responsibilities** *Use in sections 3, 4 and 5.*			
Project Number:	561482			**A**	Action	**Role Key**		**Name**	**Signature/ Initial**
Customer:	Dunedin City Council			**B**	Report by Breach	**CM**	Construction Manager	Stephen Vorgers	
Contract Number:	DCC11014-WPS002			**C**	Check	**CR**	Cust. Representative	Joff Riley / Mark Todd	
Area/ Sub-System:	Pipework Installation - Silverstream	Lot ID Number:	N/A	**D**	Dimension Inspection	**IP**	Inspection Personnel	Aaron Sutherland	
				E	Examine	**MC**	Material Controller		
ITP Number:	561482-ITP-006.1	**Version**:	Draft	**H**	Hold Point	**OP**	Operations Manager		
ITP Description:	Pipework Installation Future Pump 1 - Inspection Test Plan			**I**	Inspection	**PM**	Project Manager	Matt Paterson	
Discipline:	Stainless Steel Pipework - Installation			**M**	Monitor on Random Basis	**PS**	Project Supervisor		
Specification:	C11014 Water Pump Station Renewals Specification 12581908			**O**	Operation	**QE**	Quality Engineer		
				R	Review	**QM**	QA Manager		
Drawings:	Construction Issue Drawings as issued by GHD - Silverstream Pump Station Project Ref: 12581908-GHD-PS-SS-DRG-GN Drawings: G0001, M0001 to M0004 & P0001			**S**	Subcontractor	**SP**	Supervisor	Bruce Allan	
				V	Visual Verification	**ST**	Superintendent		
Prepared By: *(Name)*	Matt Paterson	Date:	10/12/2024	**W**	Witness Point	**SV**	Surveyor		
Quality Specified:	None - As per Specification requirements					**WS**	Welding Supervisor	Matt York	

SECTION 2 – SIGNATURES – CLOSE-OUT & APPROVAL					
ITP Close-Out by Downer	Name:	Bruce Allan	Signature:		Date:
Downer Approval	Name:	Matt Paterson/Stephen Vorgers	Signature:		Date:
Customer Approval	Name:	Joff Riley / Bruce Buxton	Signature:		Date:

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SECTION 3 – RECEIVING INSPECTIONS *Insert additional or delete unused rows as required. Include reference to specification.*								
Item No.	**Activity/ Task Description**	**Inspection Point: Quality Control Activity**	**Acceptance Criteria**	**Verifying Document**	**Frequency**	**Inspection Type** *(Visual, other)*	**Inspection**	
							Key	**By** *(Role Key)*
3.1	Stainless Steel Pipe components	Obtain the mill certificates for the materials used - 316L Stainless Steel	Documents from the supplier/Manufacturer	Mill Certificates & Welding certificates	Once	Documentation	C	IP
3.2	Stainless Steel Pipe components	Take delivery of components from Supplier. Verify all components have been delivered	Quantities as shown on the drawings	Drawing M0001 Drawing M0002 Drawing M0003 Drawing M0004	Once	Visual	C	IP
3.3	Stainless Steel Pipe components	Take delivery of components from Supplier. Verify all components have been manufactured to the correct dimensions	Dimensions & orientation as shown on the drawings	Drawing M0001 Drawing M0002 Drawing M0003 Drawing M0004	Once	Visual Dimension Inspection	D	IP
3.4	Valves & Ancillaries (Blanking Flange)	Check and verify that the Manufacturer & Type is approved for use by the client	Must be on the Approved Products list	Specification - Approved Materials list	Once	Visual	C	IP
3.5	Dress Sets (gaskets & fasteners)	Check and verify that the dress sets are compatible with the flanges and the gasket material is correct. Check correct quantities/sizes/flange patterns etc	Must be on the Approved Products list	Specification - Approved Materials list	Once	Visual	C	IP

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SECTION 4 – IN-PROCESS INSPECTIONS *Insert additional or delete unused rows as required. Include reference to specification.*								
Item No.	**Activity/ Task Description**	**Inspection Point: Quality Control Activity**	**Acceptance Criteria**	**Verifying Document**	**Frequency**	**Inspection Type** *(Visual, other)*	**Inspection**	
							Key	**By** *(Role Key)*
4.1	Fasten Wet Well side/pick-up to spool (cast in wall) Item # 1	Install gasket, bolts & nuts and tighten. Torque fasteners	Use diametrically opposed touque sequence	As per WSA-109 Australiann Water Standards Guidelines - 80N.m	Each flange	Record & attach to ITP	Inspection	IP
4.2	Fasten Dry Well side from spool (cast in wall) Item # 2	Install gasket, bolts & nuts and tighten. Torque fasteners to relevant water standards	Use diametrically opposed touque sequence	As per WSA-109 Australiann Water Standards Guidelines - 80N.m	Each Flange	Record & attach to ITP	Inspection	IP
4.3	Blanking Flange150mm (suction side)	Install gasket, bolts & nuts and tighten. Torque fasteners to relevant water standards	Use diametrically opposed touque sequence	As per WSA-109 Australian Water Standards Guidelines - 80N.m	Each Side of Valve	Record & attach to ITP	Inspection	IP
4.3	Blanking Flange150mm (Discharge side)	Install gasket, bolts & nuts and tighten. Torque fasteners to relevant water standards	Use diametrically opposed touque sequence	As per WSA-109 Australian Water Standards Guidelines - 80N.m	Each Side of Valve	Record & attach to ITP	Inspection	IP

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SECTION 5 – FINAL INSPECTION AND HANDOVER *Insert additional or delete unused rows as required. Include reference to specification.*								
Item No.	**Activity/ Task Description**	**Inspection Point: Quality Control Activity**	**Acceptance Criteria**	**Verifying Document**	**Frequency**	**Inspection Type** *(Visual, other)*	**Inspection**	
							Key	**By** *(Role Key)*
5.1	Final inspection to installed pipework	At completion of pipework	Flanges are straight and bolts tightened all threads sealed and leak free	As per drawings	once	Visual	I	IP

SECTION 6 – COMMENTS					
	Customer Release Granted:	☐ Yes	☐ No	Date:	
	Certificate Number:				