

SECTION 1 – GENERAL DETAILS									
Project Name:	DCC11014 Water Pump Station Renewals - SILVERSTREAM				Inspection Key <i>Use in sections 3, 4 and 5</i>		Responsibilities <i>Use in sections 3, 4 and 5.</i>		
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-006.3	Version:	Draft	H	Hold Point	OP	Operations Manager		
ITP Description:	Pipework Installation Pump 3 - 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: <i>(Name)</i>	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:				

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 (<i>Visual, other</i>)	Inspection	
							Key	By (<i>Role Key</i>)
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	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

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	Isolation Valve 150mm Item # 3 (suction side)	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 Side of Valve	Record & attach to ITP	Inspection	IP
4.4	150mm Dismantling joint (suction side) Item#4	Torque fasteners to relevant water standards	Use diametrically opposed touque sequence and manufactruers instructions	As per WSA-109 Australiann Water Standards Guidelines - 80N.m	Once	Record & attach to ITP	Inspection	IP
4.5	150mm Flange Adaptor Spool. Item # 5	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	Once	Record & attach to ITP	Inspection	IP
4.6	100mm to 150mm Sweeping Flange Adaptor Spool. Item # 6	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	Once	Record & attach to ITP	Inspection	IP
4.7	150mm swing check valve. Item # 7	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 Side of Valve	Record & attach to ITP	Inspection	IP

4.8	150mm Sweeping Spool (discharge). Item # 8	Install gasket, bolts & nuts and tighten. Torque fasteners to relevant water standards	Use diametrically opposed torque sequence	As per WSA-109 Australian Water Standards Guidelines - 80N.m	Once	Record & attach to ITP	Inspection	IP
4.9	150mm Dismantling joint (discharge side) Item#4	Torque fasteners to relevant water standards	Use diametrically opposed torque sequence and manufacturers instructions	As per WSA-109 Australian Water Standards Guidelines - 80N.m	Once	Record & attach to ITP	Inspection	IP
4.10	Isolation Valve 150mm Item # 3 (discharge side)	Install gasket, bolts & nuts and tighten. Torque fasteners to relevant water standards	Use diametrically opposed torque sequence	As per WSA-109 Australian Water Standards Guidelines - 80N.m	Each Side of Valve	Record & attach to ITP	Inspection	IP
4.11	Pipework bracketing installed and is secure.	At completion of pipework	Pipework complete and installed. Adjustable brackets	As indicated on the drawings	once	Visual	I	IP

SECTION 5 – FINAL INSPECTION AND HANDOVER <i>Insert additional or delete unused rows as required. Include reference to specification.</i>								
Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type <i>(Visual, other)</i>	Inspection	
							Key	By <i>(Role Key)</i>
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
5.2	Instrumentation. e.g. Pressure transducers and sensors are fitted correctly - No Damage	At completion of pipework	Pipework is installed and correct fittings installed to accept the instrumentation	As per drawing schematics	once	Visual	I	IP
5.3	Pipework bracketing installed and is secure.	At completion of pipework	Pipework complete and installed	As per drawings	once	Visual	I	IP

SECTION 6 – COMMENTS					
	Customer Release Granted:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Date:	
	Certificate Number:				