Inspection and Test Plan - Wet Well Wall Penetration 1

ITP Reference Number 561482-ITP-003.1

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:	Wet Wall Penetration Preparation - SILVERSTREAM	Lot ID Number:	N/A	**D**	Dimension Inspection	**IP**	Inspection Personnel	Jason Bell		
				E	Examine	**MC**	Material Controller			
ITP Number:	561482-ITP-003.1	**Version**:	DRAFT	**H**	Hold Point	**OP**	Operations Manager			
ITP Description:	Wet Well Wall breakout and preparation - Inspection Test Plan			**I**	Inspection	**PM**	Project Manager	Matt Paterson		
Discipline:	Wet Well Wall breakout & preparation Pump 1 Penetration			**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 through 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					**WS**	Welding Supervisor			

SECTION 2 – SIGNATURES – CLOSE-OUT & APPROVAL						
ITP Close-Out by Downer	Name:	Matt Paterson/Jason Bell	Signature:		Date:	
Downer Approval	Name:	Matt Paterson/Stephen Vorgers	Signature:		Date:	
Customer Approval	Name:	Joff Riley / Mark Todd	Signature:		Date:	

Downer
Relationships creating success

Inspection and Test Plan

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	Masonry drill bits 18mm	Verify correct quantity & type	Compatable with the drill unit	Manufacturers Technical data & Physical fitment	Once	Visual + Photographs	Inspection	IP
3.2	Reinforcing Bar	Verify correct quantity & size/diameter has been delivered to site	Quantities correct. Dimensions correct.	Drawing M0003	Once	Visual + Photographs	Inspection	IP
3.3	Hilti RE-500 Chemical Anchor	Verify correct product is deivered. Check expiratrion date.	Quantities correct. Within expiration date	HILTI Product Calculator APP. Delivery Docket	Once	Visual + Photographs	Inspection	IP
3.4	Grout (Sika MonoTop 438R)	Verify correct product is deivered. Check expiratrion date.	Quantities correct. Within expiration date	Delivery Docket	Once	Written/Submission	Inspection	IP

Downer
Relationships creating success

Inspection and Test Plan

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	Mark out penetration on both sides (wet & dry sides) using existing pipe as reference	Check and verify dimensains against drawings	Approval from Engineer	Drawing M0003	once	Document + Visual + Photograph + Engineer site Inspection	V	CR
4.2	Proceed with breakout. Hammer drill	Monitor work and progress report any issues	Approval to proceed from item 4.1	As per drawings listed dimensions & measurements	once	Visual & Document	I	IP
4.3	Pre-pour inspection	Engineer Inspection	Dimensioin & Surface check. As per Drawing M0003 and notes. Approval to proceed via NTC. Correct profile achieved with 5mm roughness and any loose material removed	NTC or other written confirmation	once	Document	H	CR
4.4	Procurement of Reinforcing bar, starters & trimmers	Check measurents and vereify correct fitment	As detailed on Drawings & specifications	Drawing M0003	once	Document + Visual	I	IP
4.5	Installation of Reinforcing bar, starters & trimmers	Drill holes around perimeter to receive reinforcing bar. Check for correct diameter & corret embedment	As detailed on Drawings	Drawing M0003	once	Visual + Photographs	I	IP
4.6	Install pipe spool with puddle flange to be cast within wall	Check that orientation is correct and is in alignment with pump assembly	As detailed on Drawings M0003 and drawing notes	Drawing M0001 Drawing M0002 Drawing M0003 Drawing M0004	once	Visual + Photographs	I	IP

4.7	Hilti RE500. Chemical Anchor reinforcing bar, starters & trimmers into position	Observe Manufacturers instructions. Monitor curing times and temparatures. Use manufacturers calculator to determine product volumes. Sequence the installion to avoid obstruction	As detailed on Drawings and completion of item 4.6	Drawing M0003	once	Visual + Photographs	I	IP
4.8	Chemically treat perimeter using product HYDROTITE CJ1020	Observe Manufacturers instructiuons & Health and safety requirements	As detailed on Drawings and completion of item 4.7	Drawing M0003	once	Visual + Photographs	H	IP

Downer
Relationships creating success

Inspection and Test Plan

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 dimensional check	At completion of all items on this ITP	Dimensions match the measurements shown on drawings	Drawing M0003	once	Visual + Photograph + Mark-up drawing	H	CR

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