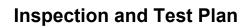


## Inspection and Test Plan - Wet Well Wall Penetration 1

ITP Reference Number 561482-ITP-003.1

SECTION 1 - GENERA	AL DETAILS										
Project Name:	IDCC11014 Water Dump Station Denewale SILVEDSTDEAM							Responsibilities d Use in sections 3, 4 and 5.			
Project Number:	561482				A	Action	,		Name	Signature/ Initial	
Customer:	Dunedin City Council					В	Report by Breach	СМ	Construction Manager	Stephen Vorgers	
Contract Number:	DCC11014-WPS002					С	Check	CR	Cust. Representative	Joff Riley / Mark Todd	
Area/ Sub-System:	Wet Wall Penetration Preparation - SILVERSTREAM  Lot ID  N/A				D	Dimension Inspection	IP	Inspection Personnel	Jason Bell		
,	Number:					E	Examine	МС	Material Controller		
ITP Number:	561482-ITP-003.1 <b>Version</b> : DRAFT					Н	Hold Point	ОР	Operations Manager		
ITP Description:	Wet Well Wall breakout and preparation - Inspection Test Plan						Inspection	PM	Project Manager	Matt Paterson	
Discipline:	Wet Well Wall breakout & preparation Pump 1 Penetration						Monitor on Random Basis	PS	Project Supervisor		
						0	Operation	QE	Quality Engineer		
Specification:	C11014 Water Pump Station Renewals Specification 12581908						Review	QM	QA Manager		
	Construction Issue Drawings as issued by GHD - Silverstream Pump Station						Subcontractor	SP	Supervisor	Bruce Allan	
Drawings:	Project Ref: 12581908-0		·			٧	Visual Verification	ST	Superintendent		
Prepared By: (Name)	Matt Paterson	-		Date:	10/12/2024	w	Witness Point	sv	Surveyor		
Quality Specified:	None - As per Specificat	tion		•	•	<b></b>		ws	Welding Supervisor		
SECTION 2 - SIGNAT	URES - CLOSE-OUT & A	APPROVAL									
ITP Close-Out by Downer Name: Matt Paterson/Jason Bell			Signatu	re:				Date:			
Downer Approval		Name:	Matt Paterson/Stephen	Vorgers	rs Signature		ıre:			Date:	
Customer Approval		Name:	Joff Riley / Mark Todd		Signatu	re:				Date:	





SECTION 3 – RECEIVING INSPECTIONS Insert additional or delete unused rows as required. Include reference to specification.										
							Inspection			
Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type (Visual, other)	Key	By (Role Key)		
3.1	Masonry drill bits 18mm	IVERITY CORRECT GUANTITY & TVDE	Compatable with the	Manufacturers Technical data & Physical fitment	Once	Visual + Photographs	Inspection	IP		
3.2	· ·	Verify correct quantity & size/diameter has been delivered to site	Quantities correct. Dimensions correct.	Drawing M0003	Once	Visual + Photographs	Inspection	IΡ		
3.3	Hilti RE-500 Chemical Anchor	delvered	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		



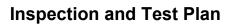


ECTION 4 - IN-PROCESS INSPECTIONS Insert additional or delete unused rows as required. Include reference to specification.										
	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria			Inspection Type	Inspection			
Item No.				Verifying Document	Frequency	(Visual, other)	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	н	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		



## **Inspection and Test Plan**

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	and completion of item	once	Visual + Photographs	l	ΙΡ
	perimeter using product	instructiuons & Health and	As detailed on Drawings and completion of item 4.7	once	Visual + Photographs	Н	IP





SECTION 5 – FINAL INSPECTION AND HANDOVER Insert additional or delete unused rows as required. Include reference to specification.										
							Inspection			
Item No.	Activity/ Task Description	Inspection Point: Quality Control Activity	Acceptance Criteria	Verifying Document	Frequency	Inspection Type (Visual, other)	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	н	CR		
SECTION 6 - COMMENTS										
			Customer Release Granted:	☐ Yes	□ No	Date:				
			Certificate Number:			Date.				