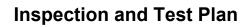


Inspection and Test Plan - VSD 3 Delivery and Installation

ITP Reference Number 561482-ITP-002.3

SECTION 1 - GENERA	AL DETAILS										
Project Name:	IDCC11014 Water Dumn Station Denewals SILVEDSTDEAM					Use in sections 3, 4 and		Responsibilities Use in sections 3, 4 and 5.			
Project Number:	561482					Α	Action	Role Ke	,	Name	Signature/ Initial
Customer:	Dunedin City Council	Dunedin City Council					Report by Breach	СМ	Construction Manager	Stephen Vorgers	
Contract Number:	DCC11014-WPS002	DCC11014-WPS002				С	Check	CR	Cust. Representative	Joff Riley / Mark Todd	
Area/ Sub-System:	VSD Delivery and Installation - SILVERSTREAM Lot ID N/A				D	Dimension Inspection	IP	Inspection Personnel	Hamish Watson		
•	·	Number:				E	Examine	МС	Material Controller		
ITP Number:	561482-ITP-002.3	561482-ITP-002.3 Version : DRAFT				Н	Hold Point	OP	Operations Manager		
ITP Description:	VSD3 Delivery and Installation					I	Inspection	PM	Project Manager	Matt Paterson	
Discipline:	VSD's	VSD's					Monitor on Random Basis	PS	Project Supervisor		
		C11014 Water Pump Station Renewals Specification 12581908					Operation	QE	Quality Engineer		
Specification:	C11014 Water Pump S						Review	QM	QA Manager		
D .	Construction Issue Draw	Construction Issue Drawings as issued by GHD - Silverstream Pump Station					Subcontractor	SP	Supervisor	Hamish Watson	
Drawings:	Project Ref: 12581908-0 Drawings: G0001, M000	GHD-PS-SS-DRG-GN 11 through M0004 & P000	91			V	Visual Verification	ST	Superintendent		
Prepared By: (Name)	Hamish Watson / Matt P	aterson		Date:	10/12/2024	w	Witness Point	sv	Surveyor		
Quality Specified:	None - As per Specificat	None - As per Specification requirements						ws	Welding Supervisor		
SECTION 2 - SIGNAT	URES - CLOSE-OUT & A	PPROVAL									
ITP Close-Out by Downer Name: Hamish Watson Signatur					e:				Date:		
Downer Approval		Name:	Matt Paterson/Stephen	Norgers Signatur		re:				Date:	
Customer Approval		Name:	Joff Riley / Bruce Buxtor	on Signatur		ıre:				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	Inspection of VSD prior to delivery to site	isions of damade. Check faling	Visual check and report any defects or areas of concern		Once	Visual + Photograph	С	IP/B		
3.2	Delivery of VSD to Site	Check and verify that correct VSD are delivered and that drives are undamaged	VSD are damage free	VSD Delivery documents	Once	Visual	С	IP		
								ļ		



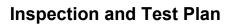


SECTION 4 - IN-PRO	ECTION 4 – IN-PROCESS INSPECTIONS Insert additional or delete unused rows as required. Include reference to specification.										
	Activity/ Task	Inspection Point: Quality Control Activity	Acceptance Criteria			Inspection Type	Inspection				
Item No.	Description Description			Verifying Document	Frequency	(Visual, other)	Key	By (Role Key)			
4.1	On-site assembly of mounting Frame	materials for frame delivered to site	Correct materials on site, protective coatings correct.	Delivery Docket for Materials	Once	Visual	I	IP			
4.2	Assembly and mounting of Frame	Frame Built and bolted to Ground.	Frame built and Securely attached to ground, minimal flex/ movement when force applied.	N/a	Once	Visual + Photograph	I	IP			
4.3	Mounting of VSD to Frame	VSDs Mounted to frame	VSD Mounted satisfactorily, bolts tight, washers and spring washers present, S/S bolts and fixings used.	VSD Inspection Sheets.	Once	Visual + Photograph	I	IP			
4.4	Installation of supply cables to VSD	Cables installed, not	Correct Cables installed, suitable for full load plus 20 percent of VSD, insulation resistance acceptable	VSD Cable Test Sheets.	Once	Visual + Inspection	I	ΙP			
4.5	Installation of Output Cables From VSD to Motors	Cables installed, not terminated at motors or VSD	Correct Cables installed, suitable for full load of motor plus 20 percent, insulation resistance acceptable	VSD Cable Test Sheets.	Once	Visual + Inspection	I	IP			
4.6	Termination of cabling to VSD	Cables terminated into VSD	Correct Cables installed, terminals tightened to correct torque, cables prepared correctly. cable earths and screens fit off correctly.	VSD Cable Test Sheets.	Once	Visual + Inspection	I	ΙP			



Inspection and Test Plan

4.7	Termination of cabling to Switchboard	Cables fit off at Switchboard.	Correct Cables installed, terminals tightened to correct torque, cables prepared correctly. cable earths and screens fit off correctly.	VSD Cable Test Sheets.	Once	Visual + Inspection	I	ΙΡ
4.8		Cables installed, not terminated into motor	Correct motors installed. insulation resistance verified, winding configuration confirmed against nameplate.	VSD Cable Test Sheets.	Once	Visual + Inspection	I	IΡ
4.9	Termination of cabling to Motor	Cables fit off at Motor	Cables Lugged off correctly, terminals tightened to correct torque	Motor Inspection Sheets	Once	Visual + Photograph	I	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	VSD	· ·		Switchboard acceptance test sheet.	Once	Visual + Document	I	IP		
5.2	Motors	inspection carried out and	Motors Tested, rotation direction confirmed, pumps operating as intended.	Motor inspection Sheet	Once	Visual + Document	I	IP		
SECTION 6 - COMMEN	SECTION 6 - COMMENTS									
			Customer Release Granted:	☐ Yes	□ No	Date:				
		Certificate Number:			Date.					