



Job Number:				Job Name		Whnagarei Odour Control Upgrade				
ITP Rev No:				Specific Structures		Sludge Tanks , High Flow Chamber, Grit Screens Sludge Thickner Tank	Corresponding Work Instruction:		Whangarei Odour Control Plant Upgrade Sewpercoat spray	
No:	Inspection / Test Point	ACTION (Hold, Monitor, Witness)	Detail	Frequency / Timing	Inspection / Test Method submission, visual inspection, testing, measure, measure	Conformance Criteria	Records	Initials	Responsible Organisation (Main Contractor, Client, Engineers Rep, Subcontractor, Supplier)	Date(s)
Pre-construction										
1	Construction drawings and specifications from Designer(s)	H	Construction drawings and specifications from Client/ Engineer	Pre-construction	Document Review	confirmation in writing	Drawing Transmittal		United Civil	
2	Pre-construction meeting	H	Prior to commencing works, a pre-start meeting to be held with client to confirm work scope etc.	Pre-construction	Document Review	sewage isolation process agreed signed off	Meeting Minutes/signed-off documents		United Civil	
3	Pre-works Inspection	W	Contractor to arrange a joint inspection of the relevant areas, within and outside the working areas, with Engineer, Principal and relevant landowners/ occupiers	Pre-construction	Visual Inspection	Confirmation in writing from all parties that the record is a true representation of the inspection	Marked up Drawing		United Civil	
5	Site access	H	United Civil to grant site access to Contech	Pre-construction	Document Review	Access Permits.	Signed-off documents		United Civil	
		H	United Civil to erect a scaffold no more thsn 400mm from the workface	Pre-construction	Visual Inspection	signed off ready to use	signed off documents		United Civil	
6	Work instruction signoff	H	work instructions produced for works method statement	Pre-construction	Document Review	Staff to sign onto the JSA prior to commencement of work onsite	Signed-off documents		United Civil /Contech	
Materials and Procurement										
8	Sewpercoat ordered and compliant, and delivery to be timely	W	Material to meet quality; be the right quantity and delivered on time	Pre-construction	Testing	Cube Strength Results to be supplied	Lab Strength Testing Report		Contech	
9	Sewpercoat on site, and correctly stockpiled/Stored	W	Material to be stored on site in a dry area	Pre-construction	Document Review	Material stored in Contech Warehouse until Required on-site, then Stored in Covered Location on-site	Photos		Contech	
Construction and Installation										
10	Concrete surface preparation	H	Concrete surface preparation with hydroblasting to have an adequate profile roughness.	Before start spraying	Visual inspection	The concrete surface must be prepared to have a minimum roughness equivalent to CSP 5 (ICRI)	Photos/Videos/ Record sheet		Contech	
11	Sewpercoat lining thickness	M	Sewpercoatlining thickness	Continuous Monitoring	Measurement	Thickness tests using caliper depth measuring blade, average thickness of 25 mm, no measurement less than 25 mm, above substrate (concrete surface)	Photos/Videos/ Record sheet		Contech	
13	Pull-off (adhesion) testing	M	In situ Pull-off tests according to the Standard Test Method for Tensile Strength of Concrete Surfaces and the Bond Strength or Tensile Strength of Concrete Repair and Overlay Materials by Direct Tension (Pull-off Method)	2 tests in each structure	Testing	Pull-off test to achieve a minimum of 1 MPa	QA Sheet, photos		Contech	
14	Post Sewpercoat lining Survey	H	video survey of the Structure to be undertaken post application of sewpercoat	After supepercoat application on each chamber	Visual inspection	Survey complete	Photos/Videos		Contech	
Handover, Commissioning and Completion										
15	Close out QA/QC	M	Ensure all QA/QC is complete are closed out and recorded	After completion	Review	QA/QC Documents delivered, ITP Signed and Submitted	Signed-off ITP, technical reports		United Civil	
Comments and Non-conformances										
Reference Documentation:										
Acceptance of ITP										
	Date	Name	Signature							
Author										
Project Manager										
Client										
Authorised Signature and Initials Register										
Name		Initials	Organisation	Signature		Date of Final Sign Off				
Tony Boustred		TB	BBR CONTECH							
Peter Hughs			United Civil							