

SECTION 1 – GENERAL DETAILS

Project Name:	Wellesley St Bus Interchange - WSBI	ITP Number:	007
Project Number:	DN1211	ITP Status:	IFC
ITP Description:	Subsoil Drainage	Revision:	00

Contract Number:	WSBI - DN1211	Drawing Sets:	Stormwater and Kerbing
Customer:	Auckland Transport	Specification:	WSBI Technical Specification, Ref: 522356-W00001-SPE-MC-0001
Quality Specified:			

Review / Update History					Verification Activity			
Rev:	Status:	Date:	Reviewed By:	Revision Details:	Activity Key		Responsibilities Key	
IFC	Draft for Review	17/09/2024	R.Collier	Sub-Soil ITP	A	Action	ENG	Engineer / Engineer's Rep
					B	Report by Breach	CR	Customer Rep
					C	Check	DES	Designer
					D	Dimension Inspection	PM	Project Manager
					E	Examine	OP	Operations Manager
					HP	Hold Point (Engineer)	HSE	HSE Manager / Rep
					H	Hold Point (Internal)	QM	QA Manager / Rep
					I	Inspection	PE	Project Engineer
					M	Monitor on Random Basis	SE	Site Engineer
					O	Operation	QE	Quality Engineer
					R	Review	SUP	Superintendent / Supervisor
					S	Subcontractor	SV	Surveyor
					V	Visual Verification	ITP	Third Party Inspector
					W	Witness Point	SPEC	Specialist

SECTION 2A – Master ITP Approval

SECTION 2B – ITP CLOSEOUT

Position	Name:	Signature:	Date:	Position	Name:	Signature:	Date:
Downer PM	Glen Maria	<i>Glen Maria</i>	17/07/2024	Downer PM			
Downer QM				Downer QM			
Client (If Applicable)				Client (If Applicable)			

Item No.	Inspection and Test Point	Acceptance / Conformance Criteria	Standard / Specification	Verifying Document	Frequency	Verification Activity		Downer Conformance of Compliance Signoff				
						Activity	By	Downer Signature	Date	MSQA signature (Blank as Req.)	Engineer Rep Signature (Blank as req.)	Comments / Closeout Details
SECTION 3 – PRE-CONSTRUCTION (P&G / ESTABLISHMENT)												
3.01 Site Requirements												
3.01.01	Construction Pack	Submit a Construction Pack including a Methodology and JSEA to the Engineer before works	Downer	Construction Pack	Submit 5 days prior to commencement of works	H	PE	H			R	
3.02.02	Survey Setout	Survey Set out as per contract drawings and specification, capturing pre-construction levels where needed.	Downer	Survey Records	Prior to Works	H	SV	H				
3.01.02	Service Location	Complete the Excavation permit process to identify, locate and protect all services.	Downer	Excavation Permit	Prior to Excavation	H	SE	H				
3.02.03	Internal Permits	Complete internal Permits as required to complete works including but not limited to: Hot works, concrete saw, lift, confined space, working at height etc.	Downer	Internal Permits	Prior to Excavation	H	SE	H				
3.01.03	External Permits	Obtain External Permits as required to complete works including but not limited to: Close approach, Worksafe Notice etc.	Downer	External Permits	Prior to Excavation	H	PE	H			R	
3.02.04	Approved Construction Drawings	Prior to starting works, Ensure that the construction drawings are both IFC and the Current Version.	Downer	IFC Drawings	Prior to works start	H	PE	H				
SECTION 4 – MATERIAL, PERSONNEL & THIRD PARTY APPROVAL												
IFC General Material Approval												
4.01.01	Material Properties	Filter Aggregate, pipes and filter fabric shall comply with TNZ F/2 for non-wrapped drains and TNZ F/6 for fabric wrapped drains. Filter aggregates specified in TNZ F/5 shall not be used. Pipes supplied and installed as specified in drawings	Aurecon Civil Spec Section 16.5 TNZ F/2, F/6 ATCoP	Supplier Records	Prior to use Checked on Delivery	H	PE	H		R	R	
4.01.02	Drainage Aggregate	Shall be NZTA F/2 or F/6 Drainage Aggregate chip (20/7mm) DN1211-DOW-RFI - 0048	Aurecon Civil Spec Section 16.6.3 RFI-0048	MAR record	Pior to Use Delivery Dockets	H	PE	H		R		
4.01.03	No-Fines Concrete	As per TfNSW 3222, for aggregate size distribution to be 26.5 mm @ 100 % 19 mm @ 95 - 100% 9.5 mm @ 0 - 5%	Aurecon Civil Spec Section 14,17.11.7	Supplier Records Concrete Dockets	As required	H	PE	H		R		
SECTION 5 – CONSTRUCTION ACTIVITY – DRAINAGE INSTALLATION												
5.01 Excavation												
5.01.01	Subsoil trenching	Construct subsoil trenches as per TNZ F/2 or Approved 20/7 drainage chip, falling towards drainage outlet. Install Geotextile filter fabric at base of trench where specified. Drainage aggregate bedding installed at trench base; 75mm thick for Ø=75mm pipe and 100mm thick for Ø=100mm pipe. Suvey Set-out position as per deign unless design clash changes required	Aurecon Civil Spec Section 16.6 TNZ F/2 ATCoP	QA Checksheet	Inspect on regular intervals	I	SE	I				
5.01.02	Subsoil installation	In absence of subsoil depths in drawings: Install subsoils at 600mm below FL forsealed roads and traffickable areas, and at 450mm for non-trafficked areas. Subsoils laid straight, falling towards drainage outlet as per TNZ F/2 and drawing	Aurecon Civil Spec Section 16.6 TNZ F/2 ATCoP	QA Checksheet	Inspect on regular intervals	W	SE	W		R	I	

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5.01.03	Trench Dimensions	Excavate trench to lines, levels, width and gradients shown on drawings. Trench of sufficient width to permit installation of all materials and fittings. Pipes minimum 100mm from trench wall.	Aurecon Civil Spec Section 16.6.2	QA Checksheet	Inspect on regular intervals	W	SE	W				
5.01.04	Backfill Placement	Backfill with 150mm + 150mm depth of drainage filter material above pipe, hand tamped Backfill and plate compact remainder to FL as specified in drawing	Aurecon Civil Spec 18.6.3 TNZ F/2 ATCoP	QA Checksheet	Inspect on regular intervals	I	SE	I				
5.01.05	Flow Test	Visual inspection of water flow.	Visual Inspection	ITP Sign off	Once per Zone	H	SE	H		R	R	
SECTION 6 – POST CONSTRUCTION (FINAL INSPECTION AND HANDOVER)												
6.01 Site Post Construction Activities												
6.01.01	Construction Record Compilation	Compile construction records for final submission ensuring defects (NCRs) / Snags / missing records are captured or closed out, all tests have been received and passed, and changes / omissions have been noted.	Downer	Records	Post construction	H	SE	H		R	H	
6.01.02	Survey Records	Ensure all items have been surveyed and records are assembled for asbuilding. Asbuilts to include type, size, quantity, location and level of subsoil laid.	Downer	Records	Post construction	H	SV	H		R	H	
6.01.03	Redline Drawings	Create a set of Redline Drawings for Asbuilt creation noting all changes and departures in red pen. Relevant change correspondence to be included.	Downer	Redlines	Post construction	H	PE	H		R	H	
6.01.04	Defect, Snag and Punch List	Update the project Defect, Snag and Punch List Register	Downer	Register	Post construction	H	PE	H		R	H	