Inspection and Test Plan (ITP) 006: Erosion and Sediment Controls

Senex Tethys Brine Tank 1
RSA Contractors Pty Ltd
Lot Description: _____ Commencement Date: _____

Abbreviations

Third Party	TP	RSA Contractors	RSA	Nominated Project Personnel	NPP	Principle Contractor	PC
Surveyor	SUR	RPEQ	RPEQ	Supervisor	SUP	Inspect	INS
Test	TST	Project Engineer	PE	Witness Point	WP	Hold Point	HP
Visual	VIS	Check	CHK	Written	WRI	Monitor	M
Milestone	MST	Review	R				

Inspection and Test Plan Details							Contractor			Client		
Item	**Inspection Activity**	**Work By**	**Standard / Spec**	**Criteria**	**Frequency**	**Record**	**Resp**	**Type**	**Signoff**	**Resp**	**Type**	**Signoff**
01	Lot Identification	Contractor	Technical Specification/IFC Drawings	Location of works identified as per IFC drawings	1/Lot	ITP Verification Checklist/Lot drawing	RSA	CHK		Senex	CHK	
Temporary Sediment and Erosion Control												
02	Clear identification and demarcation of 'no go zones' (where required)	Contractor	Technical Specification/IFC Drawings	Remove vegetation and disturb soil only in those areas approved for construction work to occur	1/Lot	ITP Verification Checklist	RSA	CHK		Senex	CHK	
03	Installation of temporary sediment and erosion control devices	Contractor	Technical Specification/IFC Drawings	• Construction of diversion bunds • Excavation of sediment catch sumps and Rumble pad • Temporary approved construction tracks • Installation of Silt Fence	1/Lot	ITP Verification Checklist	RSA	HP		Senex	HP	
04	Sediment and erosion control device ongoing inspections	Contractor	Technical Specification/IFC Drawings	Inspection of sediment and erosion control devices completed to be completed at the below frequencies Rain: >50mm in on day or >100mm over 4 days Prior to shift breaks	Ongoing	Environmental Routine Checklist	RSA	WP		Senex	WP	
Permanent Sediment and Erosion Control – Rip Rap (Rock Protection)												
05	Underlying Lot conformance - Subgrade	Contractor	Technical Specification/IFC Drawings	The Superintendent must have a visual inspection of the subgrade, prior to the placement of the Separation Geotextile.	1/Lot	ITP Verification Checklist	RSA	HP		Senex	HP	

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06	Conformance Separation Geotextile Material	Contractor	Technical Specification/IFC Drawings	The Contractor shall supply the Superintendent with manufacturer Quality Control (MQC) data Certificates.	1/Lot	ITP Verification Checklist	RSA	HP		Senex	HP	
07	Conformance Rip Rap	Contractor	Technical Specification/IFC Drawings	The Contractor shall supply the Superintendent with manufacturer Quality Control (MQC) data certificates.	1/Lot	ITP Verification Checklist	RSA	HP		Senex	HP	
08	Separation geotextile placement	Contractor	Technical Specification/IFC Drawings	Installation method complies with the requirements of the technical specification and the IFC drawings. Laps to geotextiles shall be a minimum 0.6m. The Superintendent shall inspect subgrade and the placement of Geotextile for conformance with this Technical Specification prior to placement of overlying layers.	1/Lot	ITP Verification Checklist	RSA	HP		Senex	HP	
09	Rip Rap Placement	Contractor	Technical Specification/IFC Drawings	The contractor shall provide a Work Method Statement for the placement of Rip Rap. Rip rap shall be place in a manner which does not damage the underlying geotextile Rock finished smoothed to the final lines and levels.	1/Lot	ITP Verification Checklist	RSA	CHK		Senex	HP	
10	Acceptance of works (Rip rap)	Contractor	Technical Specification/IFC Drawings	The Superintendent must approve the finish surface and underlying separation geotextile installation of the Rip Rap prior to completion of works.	1/Lot	ITP Verification Checklist / MDR	RSA	CHK		Senex	HP	
Permanent Sediment and Erosion Control – CMP and Headwall												
11	CMP Installation Contractor	Contractor	Technical Specification/IFC Drawings	Contractor shall provide a culvert installation methodology to the superintendent for approval Excavation to design invert levels allowing for 175 mm bedding sand beneath culverts up to haunch. Select Fill around culverts 300 mm min thickness above Foundation to be tested for bearing capacity of 100kPa	1/Lot	ITP Verification Checklist	RSA	CHK		Senex	CHK	

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12	Backfilling	Contractor	Technical Specification/IFC Drawings	Trench backfilled and tested in line with requirements for Fill 96% +/ -2% moisture	Min 2 tests	ITP Verification Checklist	RSA	CHK		Senex	CHK	
13	Headwall Installation	Contractor	Technical Specification/IFC Drawings	2 x 600DN Headwalls installed on 100 -250mm sand bedding (or equivalent) to required invert levels Headwall installed flush with CMP pipe and grouted neat.	1/Lot	ITP Verification Checklist	RSA	CHK		Senex	CHK	
14	Acceptance of works	Contractor	Technical Specification/IFC Drawings	Conformance certificates supplied by manufacturer All required test reports provided to client	1/Lot	As-constructed survey data obtained	RSA	CHK		Senex	HP	

Test Details			Normal Testing Level			Required Result(s)
Item	**Test**	**Description**	**Max Lot Size**	**Min Test Frequency**	**Min No of tests**	**Criteria**
1	01 AS 1289 .2.22, AS1289.5.1.1, AS 1289.5.4.1, AS1289.5.8.1	General Fill Standard Dry density ratio, Moisture Content		2 per lot	2	-2% dry to +2% wet OMC SDDR 96%
2	AS 1289.3.6.1, AS1289.3.3.1, AS1289.3.2.2	PSD and Atterberg limits		2 per lot	2	Table 15 Technical Specification
3	AS1289.6 .3.2	DCP		1	1	100 KPA (3 blows per 100 mm)
4	AS1289.5.7.1 AS 1289.3.6.1, AS1289.3.3.1, AS1289.3.2.2	Bedding Material PSD and Atterberg limits		2 test per culvert	2 OMC and SDR 2 PSD and Atterberg limits	-2% dry to +2% wet OMC 96% STD or 60-80% DI
5	AS1289.3.6.1/ Visual Classification	RIP RAP PSD		1 test per tank pad		

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Contractor Construction Manager:			
	(Print Name)	(Signature)	(Date)
Client Superintendent:			
	(Print Name)	(Signature)	(Date)

Document Status

Revision Status	Responsible Person	Signed	Dated	Revision
Draft By:	Madhu Achana			Rev1
Reviewed By:				
Submitted By:				
Approved By:				