

# Inspection and Test Plan (ITP) 002: Foundation Preparation

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	OPS-TETW-CS-SPE-002	Location of Works identified in accordance with project technical specification	1/Lot	ITP Verification Checklist/Lot Map	RSA	CHK		Senex	CHK	
02	Foundation Preparation	Contractor	OPS-TETW-CS-SPE-002	Foundation preparation of Lot will be visually inspected for material type, moisture and organic material prior to foundation preparation works.  The Subgrade shall be trimmed with a grader, smooth bladed scraper to assist with the inspection process.	1/Lot	ITP Verification Checklist/Lot Map	RSA	VIS		Senex	VIS	
03	Foundation Preparation – Proof Rolling	Contractor	OPS-TETW-CS-SPE-002	Subgrade shall be Proof Rolled in accordance with Queensland Department of Main Roads Technical Specification (MRTS) 04 General Earthworks Section 18.3.2 or similar method as approved by the Superintendent while in the presence of the Client.  Areas of subgrade identified by the superintendent as unsuitable material shall be excavated and replaced with material conforming to the requirements of the overlying fill zone	1/Lot	ITP Verification Checklist/Lot Map	RSA	WP		Senex	WP	
04	Dynamic Cone Penetrometer (DCP)	Contractor	OPS-TETW-CS-SPE-002	DCP testing shall the undertaken in accordance with AS1289.6.3.2 by the superintendent to assess the consistency of the subgrade. DCP test Shall extend to a	1/2500m2	NATA certificate	RSA	HP		Senex	HP	

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Item	Inspection Activity	Work By	Standard / Spec	Criteria	Frequency	Record	Resp	Type	Signoff	Resp	Type	Signoff
				depth of 1m and achieve a min of 3 blows per 100mm penetration								
05	Foundation Preparation – Ground Surface Treatment	Contractor	OPS-TETW-CS-SPE-002	Scarify minimum 200mm, moisture condition and compact. The Superintend shall inspect the subgrade for conformance with the specification prior to placement of overlying fill.	1/Lot	ITP Verification Checklist/Lot Map	RSA	HP		Senex	HP	
06	Ground Surface Treatment Testing	Contractor	OPS-TETW-CS-SPE-002	Tank Pad foundations surface level shall be scarified, watered and compacted to a density ratio of no less than 96% of standard MDD and -+2 % of OMC.	1/2500m2	NATA certificate	RSA	HP		Senex	HP	
07	As built Survey	Contractor	OPS-TETW-CS-SPE-002	Finished levels checked for Vertical and horizontal tolerances as required. Refer to TS section 3.4	1/Lot	Survey as Built	RSA	HP		Senex	HP	

Test Details			Normal Testing Level			Required Result(s)
Item	Test	Description	Max Lot Size	Min Test Frequency	Min No of tests	Criteria
01	AS 1289 .2.22, AS1289.5.1.1, AS 1289.5.4.1, AS1289.5.8.1	Standard Dry density ratio, Moisture Content	19400 m2 and final tank pad 29,363 m2	1/2500m2	20	-2% dry to +2% wet OMC SDDR 96%
02	AS1289.6.3.2	DCP	19400 m2	1/2500m2	8	Acceptance Criteria >=3 blows per 100mm penetration

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

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Document Status				
Revision Status	Responsible Person	Signed	Dated	Revision
Draft By:	Madhu Achana			Rev0
Reviewed By:				
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Approved By:				