

Inspection and Test Plan (ITP) 002: Foundation Preparation

Senex Tethys Brine Tank 2

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 | WP | | Senex | WP | |
| 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 | HP | | Senex | HP | |
| 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 Superintendent 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. | 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 | Fill Area 19096 m2 and Final Tak pad 29041 | 1/2500m2 | 20 | -2% dry to +2% wet OMC SDDR 96% |
| 02 | AS1289.6.3.2 | DCP | 19096 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 | | | Rev1 |
| Reviewed By: | | | | |
| Submitted By: | | | | |
| Approved By: | | | | |