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| **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 |  |  |  |  |
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| **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 | Location of works identified as per IFC drawings | 1/Lot | ITP Verification Checklist/Lot drawing | RSA | CHK |  | Senex | CHK |  |
| 02 | Survey control and Setout | Contractor | Technical Specification | Confirm centres of both sump and tank locations | 1/Lot | ITP Verification Checklist | RSA | HP |  | Senex | HP |  |
| 03 | Excavation of sump | Contractor | Technical Specification | Located at 3m outside from the hinge point of the tank pad. To be trenched to a depth of 3.17 m (to be confirmed on site)  Sump excavated to correct dimensions in line with Concept Tanks (CT) OPS-ATLW-PE-GAR-004  0.8m diameter excavation to design depth. Sump pit depth to be determined onsite ensuring sufficient fall from tank centre to sump | 1/Lot | ITP Verification Checklist | RSA | CHK |  | Senex | WP |  |
| 04 | Installation of HDPE sump base and chamber at correct height and level | Contractor | Technical Specification | Poly sump base to be installed at 200mm below leak detection pipe.  Sump chamber installed plumb to correct height minimum 150mm above top of tank | 1/Lot | ITP Verification Checklist | RSA | CHK |  | Senex | WP |  |
| 05 | Backfill - Sump | Contractor | Technical Specification | Backfill in accordance with CT requirements. Compaction testing in line with Earthworks specification | 1/Lot | ITP Verification Checklist / Test | RSA | CHK |  | Senex | HP |  |
| 06 | Leakage pipe trench excavation | Contractor | Technical Specification | Trench excavated to correct lines and levels in line with CES drawings.  1:100 fall to sump  Sufficient excavation width to facilitate installation. | 1/Lot | ITP Verification Checklist | RSA | CHK |  | Senex | WP |  |
| 07 | Installation of 50mm HDPE leakage pipe | Contractor | Technical Specification | 50mm HDPE pipe and bends installed in accordance with CT and manufacturer requirements.  Minimum 150mm cover at centre of tank  Pipe installed on 50mm sand bedding (optional) as per CT recommendations  HDPE pipe riser installed 300mm above FSL at centre of tank, temporary seal to prevent sediment ingress.  Pipe to be left exposed at centre of sump pit | 1/Lot | ITP Verification Checklist | RSA | CHK |  | Senex | WP |  |
| 08 | Surface Water Runoff | Contractor | Technical Specification | DN110 HDPE pipe for construction surface water runoff to be installed 1:100 fall to swale drain | 1/Lot | ITP Verification Checklist | RSA | CHK |  | Senex | WP |  |
| 09 | Backfill - Trench | Contractor | Technical Specification | Backfill in accordance with CES requirements and general earthworks specifications  98% +/-2% moisture (Ring beam area)  96% +/-2% moisture (All other areas) | Min 2 tests per lot | ITP Verification Checklist / Test Report | RSA | CHK |  | Senex | WP |  |
| 10 | Acceptance of work | Contractor | Technical Specification | Work completed in accordance with CES requirements.  Compaction reports received and meeting specification  As-constructed survey data obtained | Once per lot | ITP Verification Checklist | RSA | CHK |  | Senex | HP |  |

**Built in accordance with this document:** Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

**Test results received. Lot conforms to Specification:** Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Position\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

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