| **Client** | TfNSW | **INSPECTION AND TEST PLAN FOR:**  **B30 Backfill of Structures** | Work Area: | |
| --- | --- | --- | --- | --- |
| **Contract No.#** | 21.0000139295.2145 |  | |
| **Workplace Name** | New Dubbo Bridge | Inspection and Test Plan | |
| **ITP Prepared by** | Mohammed Sabri | ITP 34 | (ITC 34) |
| **ITP Approved by** | Nicholas Mitchell | **Lot No:** | |

| **Legend:** | | W = Witness | | | | H = Hold | | | S = Surveillance | | | | ACPL = Abergeldie | | | | | | | S/C = Subcontractor | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Activity No.# | Description | Requirements / Reference | | Acceptance Criteria | | | | | | | Notification/ Frequency | | Inspection – Engineer to Sign & Date | | | | | | | Comments / Attachments / Records | |
| S/C | | ACPL | | Client | | |
| 1. **PRELIMINARY** | | | | | | | | | | | | | | | | | | | | | |
| **1.1** | **B30 Material Approval** | B30: cl 6.2.1 | | **Select Backfill for Structures**  *Chemical testing-*   * pH >=5.5 * S04<=1000mg/L * Chlorides<= 200mg/l   *Particle Size Distribution*   * As per B30 table B30.2 * Coeff uniformity >=5 * PI<=15 | | | | | | | Per stockpile.  1 test per 500m3 | |  | | H | | H | | |  | |
| **1.2** | **Age of Structure and B30 Extents** | B30: cl 6.3 | | **Age of structure**   * Wait at least 7 days or 75% of the specified minimum 28-day compressive strength of the member is achieved before commencing backfilling of structure.   NOTE-   * Date last pour on RW1/Abutment B: **22/10/24** * Date start backfill RW1 Abutmnt B:**27/11/24** * Waiting period: **5 weeks** * Date of last pour on RW2: **19/11/2024** * Date start backfill RW2: **16/12/2024** * Waiting Period: **4 weeks**   **B30 Extents**   * Ensure excavation will allow backfilling of B30 within a distance of H/2 from edge of base slab, where H is the distance between the base of the footing and the top of the wall as indicated in B30/E | | | | | | | Once per Structure | |  | | S | |  | | |  | |
| 1. **CONSTRUCTION** | | | | | | | | | | | | | | | | | | | | | |
| **2.1** | **Backfill against several sides of a structure** | B30: 6.4.5 | | **Real time monitoring of the Abutment during the B30 placement** | | | | | | | Per Lot | |  | | S | |  | | |  | |
| **2.2** | **Placing and Compaction- B30 Select Backfill** | B30: cl 6.4 | | **Moisture requirements:**   * Moisture between 60-90% of OMC   **Compaction Requirements:**   * 98% relative compaction using T173 and T166 and determine characteristic relative value of compaction per Q6. | | | | | | | Per Lot | |  | | H | |  | | | The greater of one test per layer, or one per 50m2 or one per day | |
| **2.3** | **Maximum layer thickness- B30 select backfill** | B30: table B30.5 | | **Maximum layer thickness:**   * 150mm | | | | | | | Per lot | |  | | S | |  | | |  | |
| **2.4** | **Drainage Zone behind the retaining structures** | Cl. 6.5 | | **Installation of Drainage Material (Strip Drains)** | | | | | | | Per Structure | |  | | S | |  | | |  | |
| **REVIEW BY PROJECT ENGINEER** | | | | | | | | | | | | | | | | | | | | | |
| Any non-conformances? | | | YES | | NO | | | Nos: | | | | | | Closed Out | | | | YES | | | NO |
| Other QA details – NCRs, CARs, Identified Records etc | | |  | | | | | | | | | | | | | | | | | | |
| All work has been satisfactorily completed. | | | | | | | YES | | | | | NO | | | | | | | | | |
| Name | | | | | | | | | | Signature | | | | | | Date | | |  | | |