Checklist – CAC090M  
Driven Tubular Steel Piles (with reinforced concrete pile shaft) – MRTS64 (incorporating MRTS70, MRTS71, MRTS78)

Note: This checklist is a summary only of the required quality assurance documentation, Administrator approvals and key inspection points. By itself, it does not ensure that all requirements of the Technical Specifications are met.

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| Contractor |  | Date |  | Review No. |  |
| Contract No. |  | Project No. |  | Project Name |  |
| Lot ID(s) |  | Pile Size(s) |  | Date(s) |  |

| Reference | Documentation / Inspection | Addressed | Comments / Observations |
| --- | --- | --- | --- |
| MRTS64 Clause 7.2 | **HP1 - Construction Procedures (28 days)**   * Preboring * Driving tube * Excavation of pile * Certification of pile capacity * Concreting (plug + shaft) * MRTS70 (HP4) |  |  |
| MRTS70 Clause 15.1 | **HP1 - Concrete Mix Design (28 days)**   * Mix design * Test results * Chloride content * Water retention |  |  |
| MRTS71 (ATS 5310) Clause 4.2 | **HP1 - Reinforcing Steel Supplier**   * Transport and Main Roads Registration Certificate |  |  |
| MRTS71 (ATS 5310) Clause 7.9, 10.7 | **HP3, HP6 Fabrication of Cage**   * Cage fabricator's TMR registration certificate * Lifting design |  |  |
| MRTS64 Clause 8.1 | **HP2 - Fabrication of Tube (shop)**   * Registered supplier * MRTS78 (HP1, 2, 5, 6, 7) * Welding Procedures * Material Test Certificates * Butt weld preparation * Weld maps * Inspection |  |  |
| MRTS64 Clause 8.2 | **HP3 - Welding Procedure Specification (site)** |  |  |
| MRTS64 Clause 8.2.2 | **HP4 - Field splicing of tube**   * Non-destructive Test Report |  |  |
| MRTS64 Clause 9 | **HP5 - Tube Driving Procedure**  **Sinking of tube**   * Safety * Equipment and procedure * Depth * Integrity of tube * Seal against ingress of water / material |  |  |
| MRTS64 Clause 9.6 | **Excavation / Casting Concrete Plug**   * Safety * Visual inspection * Tube walls * Levels (top and bottom of plug) |  |  |
| MRTS64 Clause 10 | **Survey**   * Pile position * Plug level |  |  |
| MRTS64 Clause 11 | **HP6 - Geotechnical Certification**   * RPEQ sign-off and report * Visual inspection (camera) * As-constructed excavation records |  |  |
| MRTS64 Clause 12 | **Reinforcing Steel**   * Delivery dockets / bundle tags * Visual inspection * Surface condition * Storage * Shape / size * Welds   **MRTS71 HP2**   * Mechanical bar splice installation (if applicable)   **MRTS71 HP4**   * Electrical conductivity (if applicable) |  |  |
| MRTS64 Clause 13.1 | **HP6 - Delay after Certification**  **HP7 - Underwater Concreting Procedure** |  |  |
| MRTS70 Clause 15.6 | **HP5 - Placement of Concrete**   * Pre-pour visual inspection * Reinforcement position * Cover / spacers * No foreign material * Thermocouples (if necessary) * Water ingress |  |  |
| MRTS70 Clause 11, 15.6 | **Concrete Delivery**   * Delivery docket (approved mix) * Field sheet * Slump / spread result * Batch / arrival times * Concrete temperature * Ambient conditions * Visual inspection * No surprises |  |  |
| MRTS64 Clause 13.5.2  MRTS70  Clause 15.6 | **Placement (Dry)**   * Visual Inspection * Concrete * Placement (2 m drop) |  |  |
| MRTS64 Clause 13.5.3  MRTS70  Clause 15.6 | **Placement (Wet)**   * Visual Inspection * Concrete * Tremie use / control (submerged) * Pour record * Over-pour |  |  |
| MRTS64 Clause 14-15 | **As-constructed Records**   * Concrete strength report (NATA‑endorsed) * Base Height of tube and concrete shaft * Geotechnical assessment and certification * Tremie pour record |  |  |

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| Additional Items for Consideration | |
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*Delete below section if not required*

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| Audited by: |  | |  | |  | |
| Name |  | Signature |  | Date |  |