Checklist – CAC013M  
MRTS63 Cast-In-Place Piles – (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 |
| --- | --- | --- | --- |
| MRTS63 Clause 6.2 | **Hold Point 1 - Construction Procedures (28 days)**   * Preboring * Driving / sinking liner * Excavation of pile * Certification of pile capacity * Concreting * MRTS70 Hold Point 4 |  |  |
| MRTS70 Clause 15.1 | **Hold Point 1 - Concrete Mix Design (28 days)**   * Mix design * Test results: * Chloride content * Water retention |  |  |
| MRTS71 (ATS 5310) Clause 4.2 | **Hold Point 1 - Reinforcing Steel Supplier**   * Transport and Main Roads Registration Certificate |  |  |
| MRTS71 (ATS 5310) Clauses 7.9, 10.7 | **Hold Point 3 and 6 - Fabrication of Cage**   * Cage fabricator's TMR registration certificate * Lifting design |  |  |
| MRTS63 Clause 7 | **Fabrication of Liner**   * Registered Supplier * MRTS78 Hold Point (1, 2, 5, 6, 7) * Welding Procedures * Material Test Certificates * Butt weld preparation * Weld maps * Inspection |  |  |
| MRTS63 Clause 7 | **Hold Point 2 - Welding Procedure Specification**   * Field splice joints |  |  |
| MRTS63 Clause 8 | **Sinking of Liner**   * Safety * Equipment and Procedure * Depth * Integrity of liner * Seal against ingress of water / material |  |  |
| MRTS63 Clause 9 | **Pile Position**   * Survey |  |  |
| MRTS63 Clause 10 | **Excavation**   * Safety * Belling * Visual inspection * Socket walls |  |  |
| MRTS63 Clause 11 | **Hold Point 3 - Geotechnical Certification**   * RPEQ sign-off and report * Visual inspection (camera) * As Constructed excavation records |  |  |
| MRTS63 Clause 12 | **Reinforcing Steel**   * Delivery dockets / bundle tags * Visual inspection: * Surface condition * Storage * Shape / size * Welds   **MRTS71 Hold Point 2**   * Mechanical bar splice installation (if applicable)   **MRTS71 Hold Point 4**   * Electrical conductivity (if applicable) |  |  |
| MRTS63 Clause 13.1 | **Hold Point 4 - Delay after Certification**  **Hold Point 5 - Underwater Concreting Procedure** |  |  |
| MRTS70 Clause 15.6 | **Hold Point 5 - Placement of Concrete**   * Pre-pour visual inspection * Reinforcement position * Cover / spacers * No foreign material * Thermocouples (if necessary) * Water ingress |  |  |
| MRTS70 Clauses 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 |  |  |
| MRTS63 Clause 13.4  MRTS70  Clause 15.6 | **Placement (Dry)**   * Visual Inspection * Concrete * Placement (2 m drop) |  |  |
| MRTS63 Clause 13.4  MRTS70  Clause 15.6 | **Placement (Wet)**   * Visual Inspection * Concrete * Tremie use / control (submerged) * Pour record * Over-pour |  |  |
| MRTS63 Clauses 14 - 16 | **As Constructed Records**   * Pile Integrity Testing (Hold Point 6) * Concrete strength report (NATA‑endorsed) * Base Height of liner and pile * 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 |  |