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 |
| --- | --- | --- | --- |
| MRTS63Clause 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
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| MRTS70Clause 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
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| MRTS71(ATS 5310)Clauses 7.9, 10.7 | **Hold Point 3 and 6 - Fabrication of Cage*** Cage fabricator's TMR registration certificate
* Lifting design
 |  |  |
| MRTS63Clause 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
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| MRTS63Clause 7 | **Hold Point 2 - Welding Procedure Specification*** Field splice joints
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| MRTS63Clause 8 | **Sinking of Liner*** Safety
* Equipment and Procedure
* Depth
* Integrity of liner
* Seal against ingress of water / material
 |  |  |
| MRTS63Clause 9 | **Pile Position*** Survey
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| MRTS63Clause 10 | **Excavation*** Safety
* Belling
* Visual inspection
* Socket walls
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| MRTS63Clause 11 | **Hold Point 3 - Geotechnical Certification*** RPEQ sign-off and report
* Visual inspection (camera)
* As Constructed excavation records
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| MRTS63Clause 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)
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| MRTS63Clause 13.1 | **Hold Point 4 - Delay after Certification****Hold Point 5 - Underwater Concreting Procedure** |  |  |
| MRTS70Clause 15.6 | **Hold Point 5 - Placement of Concrete*** Pre-pour visual inspection
* Reinforcement position
* Cover / spacers
* No foreign material
* Thermocouples (if necessary)
* Water ingress
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| MRTS70Clauses 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
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| MRTS63Clause 13.4MRTS70Clause 15.6 | **Placement (Dry)*** Visual Inspection
* Concrete
* Placement (2 m drop)
 |  |  |
| MRTS63Clause 13.4MRTS70Clause 15.6 | **Placement (Wet)*** Visual Inspection
* Concrete
* Tremie use / control (submerged)
* Pour record
* Over-pour
 |  |  |
| MRTS63Clauses 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 |  |