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 |
| --- | --- | --- | --- |
| MRTS64Clause 7.2 | **HP1 - Construction Procedures (28 days)*** Preboring
* Driving tube
* Excavation of pile
* Certification of pile capacity
* Concreting (plug + shaft)
* MRTS70 (HP4)
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| MRTS70Clause 15.1 | **HP1 - Concrete Mix Design (28 days)*** Mix design
* Test results
* Chloride content
* Water retention
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| MRTS71(ATS 5310)Clause 4.2 | **HP1 - Reinforcing Steel Supplier*** Transport and Main Roads Registration Certificate
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| MRTS71(ATS 5310)Clause 7.9, 10.7 | **HP3, HP6 Fabrication of Cage*** Cage fabricator's TMR registration certificate
* Lifting design
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| MRTS64Clause 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
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| MRTS64Clause 8.2 | **HP3 - Welding Procedure Specification (site)** |  |  |
| MRTS64Clause 8.2.2 | **HP4 - Field splicing of tube*** Non-destructive Test Report
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| MRTS64Clause 9 | **HP5 - Tube Driving Procedure****Sinking of tube*** Safety
* Equipment and procedure
* Depth
* Integrity of tube
* Seal against ingress of water / material
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| MRTS64Clause 9.6 | **Excavation / Casting Concrete Plug*** Safety
* Visual inspection
* Tube walls
* Levels (top and bottom of plug)
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| MRTS64Clause 10 | **Survey*** Pile position
* Plug level
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| MRTS64Clause 11 | **HP6 - Geotechnical Certification*** RPEQ sign-off and report
* Visual inspection (camera)
* As-constructed excavation records
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| MRTS64Clause 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)
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| MRTS64Clause 13.1 | **HP6 - Delay after Certification****HP7 - Underwater Concreting Procedure** |  |  |
| MRTS70Clause 15.6 | **HP5 - Placement of Concrete*** Pre-pour visual inspection
* Reinforcement position
* Cover / spacers
* No foreign material
* Thermocouples (if necessary)
* Water ingress
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| MRTS70Clause 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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| MRTS64Clause 13.5.2MRTS70Clause 15.6 | **Placement (Dry)*** Visual Inspection
* Concrete
* Placement (2 m drop)
 |  |  |
| MRTS64Clause 13.5.3MRTS70Clause 15.6 | **Placement (Wet)*** Visual Inspection
* Concrete
* Tremie use / control (submerged)
* Pour record
* Over-pour
 |  |  |
| MRTS64Clause 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 |  |