Checklist – CAC034M  
Excavation (MRTS04)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor |  | Date |  | Review No. |  |
| Contract No. |  | Project No. |  | Project Name |  |

| Reference | Requirements | Addressed | Comments/Observations |
| --- | --- | --- | --- |
| MRTS04  Clause 13.3.1 | Have the areas detailed in Clause 7 of Annexure MRTS04.1 been lightly tyned? |  |  |
| MRTS04  Clause 13.3.1 | Do excavated materials to be used in the construction of embankments meet the requirements of Clause 14 in MRTS04? |  |  |
| MRTS04  Clause 13.3.1 | Has all the Unsuitable Material (Clause 9.2) not been used in the construction of embankments? |  |  |
| MRTS04  Clause 13.3.1 | Has all surplus excavated material been disposed of or deposited as stated in Clause 11 of MRTS04? |  |  |
| MRTS04  Clause 13.3.1 | Have permanent excavation batters been finished in accordance with Clause 16? |  |  |
| MRTS04  Clause 13.3.1 | Have the bottom of excavations been trimmed to the tolerances specified in Clause 6 and any loose material removed from the surface? |  |  |
| MRTS04  Clause 13.3.3.1 | Have trench excavations and excavations for structures been carried out to the dimensions shown on the Drawings or, where not so shown, to the minimum dimensions necessary to accurately and safely construct the work under the Contract? |  |  |
| MRTS04  Clause 13.3.3.2 | Has all Unsuitable Material (Clause 9.2) been removed and disposed of in accordance with Clause 9.3? |  |  |
| MRTS04  Clause 13.3.3.3 | Has the Contractor taken all necessary precautions to protect an excavation and all personnel and equipment in or about an excavation, including provision of all necessary temporary Works and equipment? |  |  |
| MRTS04  Clause 13.3.3.3 | Within an excavation, have all temporary Works been removed without damaging the finished structure? |  |  |
| MRTS04  Clause 13.3.3.4 | Does the material in the bottom of confined excavations comply with density requirements (Clause 15)? |  |  |
| MRTS04  Clause 13.3.3.4 | Where the insitu material (at the bottom of excavations) does not comply with density requirements, has it been compacted to a depth of at least 150 mm (Clause 15)? |  |  |
| MRTS04  Clause 13.3.3.4 | Where precast concrete items (end structures, walls, kerbs, kerb and channels and so on) are to be placed in excavations, has a 50 mm layer of bedding material complying with Clause 19.2.7 been placed and compacted to provide continuous, even support to the structure? |  |  |
| MRTS04  Clause 13.3.4.1 | Has the excavation for load bearing footings (foundations of structures) been carried out to the dimensions and depths shown on the Drawings, and have they been drained? |  |  |
| MRTS04  Clause 13.3.4.1 | Has the Contractor notified the Administrator to determine whether or not the undisturbed natural material meets the required bearing capacity shown on the Drawings? Witness Point 3 |  |  |
| MRTS04  Clause 13.3.4.1 | Where Unsuitable Material has been removed, has the excavation been backfilled to foundation level with appropriate backfill material as specified on the Drawings or directed by the Designer in accordance with Clause 19? |  |  |
| MRTS04  Clause 13.3.4.1 | Has the foundation has been inspected and approved by the Designer’s RPEQ geotechnical engineer and approved by the Administrator? Hold Point 9 |  |  |
| MRTS04  Clause 13.3.4.1 | Where shown on the Drawings or specified elsewhere, has a layer of blinding concrete been placed over the foundation material as soon as practical? |  |  |
| MRTS04  Clause 13.3.4.1 | Has the top surface of the blinding concrete been screeded neatly to the shape and levels shown on the Drawings? |  |  |
| MRTS04  Clause 13.3.4.1 | If the foundation surface has deteriorated, has the foundation been presented for further inspection and approval by the Administrator? Hold Point 9 |  |  |
| MRTS04  Clause 13.3.4.2 | Has the excavation for pile caps been conducted to the dimensions and levels shown on the Drawings? |  |  |
| MRTS04  Clause 13.3.5 | Has the excavation been carried out, where shown on the Drawings, to clear the waterways at bridge abutment? |  |  |
| MRTS04  Clause 13.3.5 | Has the excavation’s surface (to clear waterways) been sealed with a smooth drum roller? |  |  |
| MRTS04  Clause 13.3.7.1 | Have culvert inlet / outlet drains been constructed from the extremities of end structures to culverts and are they transitioned smoothly to existing adjacent natural drainage channels or to the boundary of the Site, whichever is closer? |  |  |
| MRTS04  Clause 13.3.7.2 | Are diversion channels constructed to the details shown on the Drawings? |  |  |
| MRTS04  Clause 13.3.7.3 | Are diversion drains constructed to the details shown on the Drawings or, where not shown, as detailed on Standard Drawing 1178 and to any cross‑sectional areas shown on the Drawings? |  |  |
| MRTS04  Clause 13.3.7.4 | Has the Contractor constructed catch drains before or during the early stages of construction of the adjacent roadworks, and have they been located as close as practicable to the adjacent batter edges? |  |  |
| MRTS04  Clause 13.3.7.4 | Where ground surface transverse slope allows, have the catch drains been turned out away from roadworks at frequent intervals to minimise scouring effects of surface flows, and, where practicable, have they been terminated at inlet / outlet drains to culverts? |  |  |
| MRTS04  Clause 13.3.7.5 | Where table drains cross private accesses and no specified details of the crossings are provided, are the crossings trafficable for normal passenger vehicles? |  |  |
| MRTS04  Clause 13.3.7.6 | Do all drains have a continuous positive drainage slope in the required direction? |  |  |
| MRTS04  Clause 13.3.8 | Where dewatering of excavations has occurred, has the activity complied with the Environmental Management Plan (under no circumstances shall water be disposed of to sanitary sewers)? |  |  |

Additional issues for consideration

|  |  |
| --- | --- |
| 1 | Where cut batters are to be stepped for revegetation, the top soiling of batters should be carried out as soon as practicable after the excavation activity has been completed (Clause 16) |

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