|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** | | |
| **Lot** **Number** | **Description** |  | | | | **Date** **Opened** |
|  |
| **Date** **Started** | **MRTS03** **(July** **2021)**  **ITP** **03.35**  **Rev** **01** | **Rock** **Protection** | |
|  |
| **Location** | |  | | **Control** **Line** **Chainage** 0 - 0 | | | | **Date** **Finished** |
|  |
| No. | Activity Description | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection | | | NCR | Related Lot # |
| SE/PE/WS/SS | | Administrator |
| 1 | Rock employed as per drawings. If not specified, between 150 - 500mm, with at least 50% larger than twice the minimum size | | | Visual Inspection | Check Item  MRTS03 Cl 35.2 | |  | |  |  |  |
| 2 | Uniform appearance overall, and shall not have noticeable overall irregularities in horizontal and vertical alignments. The layers of placed rock shall be of even thickness and of even grading | | | Visual Inspection | Check Item  MRTS03 Cl 35.3 | |  | |  |  |  |
| 3 | **Ordering** **Geotextile**  Documentation which demonstrates that the design of the geotextile is in accordance with MRTS27 Cl. 6 submitted to the administrator and accepted prior to ordering. | | | Written Approval | **Hold** **Point** **1**  MRTS27 Cl 8.1 | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** | | |
| **Lot** **Number** | **Description** |  | | | | **Date** **Opened** |
|  |
| **Date** **Started** | **MRTS03** **(July** **2021)**  **ITP** **03.35**  **Rev** **01** | **Rock** **Protection** | |
|  |
| **Location** | |  | | **Control** **Line** **Chainage** 0 - 0 | | | | **Date** **Finished** |
|  |
| 4 | **Geotextile**  Inspection of product to be incorporated into works.  Where Lot sites are greater than 5000m2, a representative sample covering approximately 15 m² of geotextile shall be cut from each sampled roll but not within two metres of the start or end of the roll. Where directed by the Administrator, samples shall also be cut and supplied to the Administrator. | | | Visual Inspection | **Witness** **Point**  MRTS27 Cl 10.2 | |  | |  |  |  |
| 5 | **Compliance** **of** **delivered** **Geotextile**  Geotextile shall not be placed prior to acceptance of the test results by the Administrator | | | Visual Inspection | **Hold** **Point** **2**  MRTS27 Cl 10.4 | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | |
|  | | | | | | | | | | | |
|  | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS04**  **(June** **2023)** **Stripping** **of** **Topsoil** **04.08**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Stripping Of Topsoil | | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | | PE/WS/SS | Inspection  CQR to Verify | | | Administrator | NCR | Related Lot # |
|  |  | | | | | Visual | | Check Item | |  | |  | |  |  |  |
| 1 | Where site topsoil is required to be supplied in accordance with MRTS16 Landscape and Revegetation Works, topsoil shall be stripped 75mm (+/-25mm) depth, or from areas and depths as specified in Clause 2.1 of Annexure MRTS04.1 | | | | | All areas within the earthworks footprint; beyond the back of existing kerb or where there is no kerb, beyond the existing road formation shall be stripped to an **average** **depth** **of** **100mm** | | MRTS04 Cl. 8.2 MRTS04.1 Cl. 2.1 | |
| 2 | Soil stripped from site which is considered suitable for use as a manufactured site topsoil shall be tested and ameliorated in accordance with MRTS16 Landscape and Revegetation works | | | | | Insitu topsoil - 1/2500m2, min.1/soil type  Stockpile Topsoil - 2/500m3, min.1/soil type Manufactured Site Topsoil Compliance - 2/500m3, min.1/soil type | | Check Item  MRTS04 Cl. 8.3 | |  | |  | |  |  |  |
| 3 | Surplus material and material considered not suitable for use as planting media in accordance with Cl. 8.3 shall be assessed for suitability for use as fill or deemed as unsuitable and disposed in accordance with Cl. 11 | | | | | Visual | | Check Item  MRTS04 Cl. 8.4.2 | |  | |  | |  |  |  |
| 4 | Material not to be removed from within drip lines of existing plants to be retained except where this would result in unsuitable material being left beneath embankments. Root systems of existing plants to be retained are preserved where practical. | | | | | Visual | | Check Item  MRTS04 Cl. 8.4.3 | |  | |  | |  |  |  |
|  | Stripped material shall be stockpiled in the locations nominated by the Contractor and approved by the Administrator, as stated in Cl.  2.2 of Annexure MRTS04.1 | | | | |  | | Check Item | |  | |  | |  |  |  |
| 5 | All costs associated with undertaking necessary earthworks required for the stockpile sites  shall be deemed to be included in the Contractor’s scheduled unit rate for the corresponding  earthwork items | | | | | Visual | | MRTS04 Cl. 8.4.1 MRTS04.1 Cl. 2.2 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS04**  **(June** **2023)** **Stripping** **of** **Topsoil** **04.08**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Stripping Of Topsoil | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 6 | All stripped areas, other than areas beneath road embankments or above road cuttings, shall be left in a neat, free-draining condition with side slopes not steeper than one in four unless otherwise specified.  They shall be treated to conform with the landscape, revegetation and environmental requirements of the Contract. | | | | | Visual | Check Item  MRTS04 Cl 8.4.5 | |  | |  | |  |  |  |
| 7 | Prior to any further Works over the stripped area, an As Constructed survey of the stripped area shall be undertaken as specified in MRTS56 Construction Surveying and notice of such Works provided to the Administrator. | | | | | As Constructed Survey | Survey Report  MRTS04 Cl 8.4.5 | |  | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.09**  **MRTS04** **June** **2023**  **Rev** **01** | | |
| **Lot** **Number** | | | |  | | | | **Date** **Opened** | |
|  | |
| SGR | 1 | 001 | **Description** | **Date** **Started** | | **Subgrade** **Level** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Define Lot | | | | | Normal :  Max Lot Size : 4000m2  Reduced:  Max Lot Size : 2000m2 | Lot Records  MRTS04  App A | |  | |  | |  |  |
| 2 | **Reporting** **Pavment** **Design** **Requirements**  For Contracts where the Principal has supplied the pavement design (that is, Construct Only or similar Contracts), the Contractor shall submit the following information to the Administrator for each existing Subgrade Lot:   1. test pit logs 2. all test results for each layer encountered within the test pit, including certified test certificates, and 3. marked-up drawings accurately showing all test locations within the Lot.   The Contractor shall allow a minimum period of 14 days for the Administrator to review the information prior to any Subgrade treatment and the placement of any overlying materials. | | | | | Submission to Administrator | **Hold** **Point** **16**  MRTS04 App B.6.2 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | **Bottom** **of** **Excavation** **for** **Cuttings**  Where subgrade is reached in cutting works shall cease until subgrade treatment type has been directed by the Administrator in accordance with Clause 13.3.2.1  Subgrade Treatment Type Directed: | As directed by Administrator | **Hold** **Point** **8**  MRTS04 Cl13.3.2.1 Cl 18.3.3 |  |  |  |  |
|  |  | Treatment Depth - 150mm |  |  |  |  |  |
| 3 | **Subgrade** **Treatment** **Type** **A**  As ordered by the Administrator at subgrade level on all section. The material below Subgrade Level shall be to compacted a density of not less than that stated in Table 15.3(b) and to a depth of 150 mm. | Compaction Standard: min 97%  Normal :  1 per 500m2, 4 per lot  Reduced:  1 per 1000m2, 1 per lot | Test Reports  MRTS04.1 Cl 12.3 MRTS04 Cl 18.3.3.1 |
|  |  | Treatment Depth - 150mm-250mm | Test Reports |  |  |  |  |
| 4 | **Subgrade** **Treatment** **Type** **B**  As ordered by the Administrator at subgrade level on all section. The material below subgrade level shall be compacted to a density of not less than that stated in Table 15.3(b) and to various depths, as directed by Administrator, typically between 150mm and 250mm. | Compaction Standard: min 97%  Normal :  1 per 500m2, 4 per lot  Reduced:  1 per 1000m2, 1 per lot | MRTS04.1 Cl 12.3 MRTS04 Cl 18.3.3.1 |
| 5 | **Subgrade** **Emabankment**  Material to be compacted to requirements not less than that specified in Table 15.3(b)  Subgrade relative density tested to Q140A  Material Source Stockpile Lot Ref: | Top 300mm below subgrade level -  Embankment Fill at subgrade: Class A1, B, Unbound Granular or stabilised material : min 97%  Normal :  1 per 500m2, 4 per lot  Reduced:  1 per 1000m2, 4 per lot | Test Reports  MRTS04 Cl15.3(b)  App A |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | **Proof** **Roll:** Subgrade material provides a stable dense surface displaying no vertical movement under proof roll by:  - pneumatic-tyred roller > 4.5T/tyre and 600kPa pressure, or  -10,000L water tanker with 600kPa tyre pressure. | Visual  No Delfection Continuous | **Witness** **Point**  MRTS04 Cl18.3.2 Q723 |  |  |  |  |
| 7 | Subgrade constructed to tolerance as stated in Table 6.3.1 Primary Vertical Tolerances unless it cannot be trimmed by a grader | Subgrade level ± 25 average ± 10  1 test /20m | Dip Sheet Records MRTS04  Cl. 6, Cl.13.3.1  Table 6.3.1 |  |  |  |  |
| 8 | **Straight** **Edge** **Testing**: The gap beneath a three metre-long straight-edge placed anywhere on the surface at Subgrade Level shall not exceed 25 mm, due allowance being made for design shape where relevant. | 1 test per 20m (Left and rigt) | Dip Sheet Records |  |  |  |  |
| MRTS04 Cl. 6.3.2 |
| 9 | Subgrade shall not pond water and be free draining. | Visual | Check Item  MRTS04  Clause 6.3.2 |  |  |  |  |
| 10 | The subgrade shall be constructed and tested to subgrade level in accordance with the requirements, prior to construction of the pavement. | Visual | **Hold** **Point** **12**  MRTS04 Cl. 18.3.1 |  |  |  |  |
| **General** **Comments** | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.091**  **MRTS04** **June** **2023**  **Rev** **02** | | |
| **Lot** **Number** | | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  |  | **Date** **Started** | | **Subgrade** **Treatment** **Type** **A** | | |
|  | |
| **Location** | |  | | | | | **Control** **Line** **Chainage** 0 - 0 | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Define Lot | | | | | | single layer produced in a continuous operation in one day | Lot Records  MRTS04  App A | |  | |  | |  |  |
| 2 | **Trim** **and** **compact** **existing**  Subgrade Density requirements Q140A -Material to be compacted to a density of not less than that stated in Table 15.3(b) | | | | | | Top 300mm below subgrade level -  Existing material in cuttings : min 97%  Normal :  1 per 500m2, 1 per lot  Reduced:  1 per 1000m2, 1 per lot | Test Reports  MRTS04 Cl15.3(b)  App A | |  | |  | |  |  |
| 3 | **Proof** **Roll:** Subgrade material provides a stable dense surface displaying no vertical movement under proof roll by:  - pneumatic-tyred roller > 4.5T/tyre and 600kPa pressure, or  -10,000L water tanker with 600kPa tyre pressure. | | | | | | Visual  No Delfection Continuous | **Witness** **Point**  MRTS04 Cl18.3.2 RMS T198 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | Subgrade constructed to tolerance as stated in Table 6.3.1 Primary Vertical Tolerances unless it cannot be trimmed by a grader | Subgrade level ± 25 average ± 10  1 test /20m | Dip Sheet Records  MRTS04 Cl. 6, Cl.13.3.1  Table 6.3.1 |  |  |  |  |
| 5 | **Straight** **Edge** **Testing**: The gap beneath a three metre-long straight-edge placed anywhere on the surface at Subgrade Level  shall not exceed 25 mm, due allowance being made for design shape where relevant. | 1 test per 20m (Left and rigt) | Dip Sheet Records |  |  |  |  |
| MRTS04 Cl. 6.3.2 |
| 6 | Subgrade shall not pond water and be free draining. | Visual | Check Item  MRTS04  Clause 6.3.2 |  |  |  |  |
| 7 | The subgrade shall be constructed and tested to subgrade level in accordance with the requirements, prior to construction of the pavement. | Visual | **Hold** **Point** **10**  MRTS04 Cl. 18.3.1 |  |  |  |  |
| **General** **Comments** | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
| Ronn Fock-yat |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.092**  **MRTS04** **June** **2023**  **Rev** **02** | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | | **Subgrade** **Treatment** **Type** **C** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Define Lot | | | | | single layer produced in a continuous operation in one day | Lot Records  MRTS04  App A | |  | |  | |  |  |
| 2 | Unbound Granular Material incorporated into unbound treatment shall be as specified in MRTS04.1 Cl. 12.1 and meet the material requirements specified in MRTS05 Cl. 7.  Material Type :  Material Source Stockpile Lot Ref: | | | | | Unbound Granular Material Stockpile Lot | Check Item  MRTS04.1 Cl 12.1  MRTS05 Cl 7 | |  | |  | |  |  |
| 3 | Subgrade Density requirements - Material to be compacted to a density of not less than that stated in Table 15.3(b) | | | | | Top 300mm below subgrade level -  Existing material in cuttings : min 97%  Normal :  1 per 500m2, 1 per lot  Reduced:  1 per 1000m2, 1 per lot | Test Reports  MRTS04 Cl15.3(b)  App A | |  | |  | |  |  |
| 4 | **Proof** **Roll:** Subgrade material provides a stable dense surface displaying no vertical movement under proof roll by:  - pneumatic-tyred roller > 4.5T/tyre and 600kPa pressure, or  -10,000L water tanker with 600kPa tyre pressure. | | | | | Visual  No Delfection Continuous | **Witness** **Point**  MRTS04 Cl18.3.2 RMS T198 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.092**  **MRTS04** **June** **2023**  **Rev** **02** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | | **Subgrade** **Treatment** **Type** **C** | | | |
|  | |
| **Location** | | |  | | | | **Control** **Line** **Chainage** - | | | | | | **Date** **Finished** | |
|  | |
| 5 | | Subgrade constructed to tolerance as stated in Table 6.3.1 Primary Vertical Tolerances unless it cannot be trimmed by a grader | | | | | Subgrade level ± 25 average ± 10  1 test /20m | | Dip Sheet Records  MRTS04 Cl. 6, Cl.13.3.1  Table 6.3.1 | |  | | |  | |  |  | |
| 6 | | **Straight** **Edge** **Testing**: The gap beneath a three metre-long straight-edge placed anywhere on the surface at Subgrade Level shall not exceed 25 mm, due allowance being made for design shape where relevant. | | | | | 1 test per 20m (Left and rigt) | | Dip Sheet Records | |  | | |  | |  |  | |
| MRTS04 Cl. 6.3.2 | |
| 7 | | Subgrade shall not pond water and be free draining. | | | | | Visual | | Check Item  MRTS04  Clause 6.3.2 | |  | | |  | |  |  | |
| 8 | | The subgrade shall be constructed and tested to subgrade level in accordance with the requirements, prior to construction of the pavement. | | | | | Visual | | **Hold** **Point** **10**  MRTS04 Cl. 18.3.3.1 | |  | | |  | |  |  | |
| **General** **Comments** | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | |
|  | Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | | | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | | | | | | | | |  |
| Print Name | | Signature | | | | Date | Print Name | | | | Signature | | | | Date | |
|  | |  | | | |  |  | | | |  | | | |  | |
|  | | | | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Subsoil** **Drainage** **ITP** **3.22**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Subsoil Drains | | | | | | **Date** **Opened** | |
|  | |
| SSD |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | PE/WS/SS | | Inspection  CQR to Verify | | Administrator | NCR | Related Lot # |
| 1 | Subsoil Drains constructed to appropriate dimensions, inspect trench prior to backfill | | | | | Visual | | Check Item  MRTS03 Cl 22 | |  | | |  | |  |  |  |
| 2 | Backfill materialshall be damp when placed in trench. Material shall be carefully placed in layers not exceeding 200mm loose thickness. Shall be compacted to achieve effective mechanical interlock between particles. | | | | | Visual | | Check Item  MRTS03 Cl 22.3 | |  | | |  | |  |  |  |
| 3 | Subsoil Drains shall be constructed in the locations and in accordance to the drawings. Subsoil Drains shall be installed to the grades specified in the drawings. Where the grades are not specified, the bottom of trenches shall be trimmed to provide not less that 0.5% longitudinal fall towards outlets for pipe type drains and not less that 1% longitudinal fall towards outlets for strip filter type drains. | | | | | Visual | | Check Item  MRTS03 Cl 22.3 | |  | | |  | |  |  |  |
| 4 | Cleanout and outlet pipes, Geotextiles, trench backfill, concrete for headwalls and surrounds, marker posts shall be as per specification | | | | | Visual | | Check Item  MRTS03 Cl22.2 | |  | | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Subsoil** **Drainage** **ITP** **3.22**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Subsoil Drains | | | | **Date** **Opened** | |
|  | |
| SSD |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 4 | Clean-outs shall be located at the heads of all subsoil drains and at subsequent spacings not exceeding 60m for Type B subsoil drains and 50m for Type D subsoil drains. Cleanouts shall be constructed in accordance with the details shown on Standard Drawings 1116. | | | | | Visual | Check Item  MRTS03 Cl22.3  TMR SD 1116 | |  | |  | |  |  |  |
| 5 | Marker posts installed where and when required as shown in the project drawings or standard drawings. | | | | | Visual | Check Item  MRTS03 Cl22.2.7  TMR SD 1116 | |  | |  | |  |  |  |
| 6 | Where directed by Administrator, drains shall be flushed until outlet water is clean and flows consistently | | | | | Visual | **Witness** **Point**  MRTS03 Cl22.3 | |  | |  | |  |  |  |
| 7 | As Constructed drawings prepared | | | | | As constructed drawings submitted to administrator | **Witness** **Point** | |  | |  | | To Be provided at completion of Project |  |  |
| 8 | All geometric tolerance requirements met | | | | | Survey | Check Item | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Subsoil** **Drainage** **ITP** **3.22**  **Rev** **01** |
| **Lot** **Number** | | | **Description** | Subsoil Drains | | **Date** **Opened** |
|  |
| SSD |  |  | **Date** **Started** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan**  **MRTS03** **Supply** **and** **Installation**  **(July** **2021)** **of** **Precast** **Concrete**  **ITP** **3.10**  **Rev** **01** **Culverts** | | | |
| **Lot** **Number** | | | **Description** | Supply and Install Precast Concrete culverts | | | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | PE/WS/SS | | Inspection  PE to Verify | | Administrator | NCR | Related Lot # |
| 1 | Maximum Lot Size - 1 Culvert | | | | | Lot size </= 1 Culvert - Per lot | | Check Item  MRTS04  Table A.2 | |  | | |  | |  |  |  |
| 2 | Concrete Pipe culvert components comply with MRTS25/26  Box Culverts Comply with MRTS24 | | | | | Manufacture and Test Certificates | | Check Item  MRTS03 Cl10.2 | |  | | |  | |  |  |  |
| 3 | All pipes of diameter 800 mm or less shall have spigot and socket joints with rubber sealing rings. Joints for other sizes shall be as specified on the drawings. | | | | | Visual | | Check Item  MRTS03 Cl10.2 | |  | | |  | |  |  |  |
| 4 | Component size, wall thickness and class is as specified in the drawings | | | | | Visual | | Check Item  MRTS03 Cl10.2 | |  | | |  | |  |  |  |
| 5 | Bandage Covers are a Proprietary Product, either: Synthetic or Rubber Band, samples inspected by administrator | | | | | Visual | | **Hold** **Point** **1**  MRTS03 Cl11.2 | |  | | |  | |  |  |  |
| 6 | Culvert Construction Procedures to be accepted prior to commencement of Installation | | | | | Visual | | **Hold** **Point** **2**  MRTS03 Cl11.3.1 | |  | | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03** **Supply** **and** **Installation**  **(July** **2021)** **of** **Precast** **Concrete**  **ITP** **3.10**  **Rev** **01** **Culverts** | | | |
| **Lot** **Number** | | | **Description** | Supply and Install Precast Concrete culverts | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Excavation** | | | | | | | | | | | | | | | |
| 7 | Excavations shall be carried out in accordance with Clause 13 of MRTS04 General Earth works | | | | | Visual | Check Item  MRTS03 Cl.11.3.1 | |  | |  | |  |  |  |
| 8 | Where Unsuitable Material (in accordance with the provisions of Cl. 9.2) or potentially unsuitable Material is encountered on site the contactor shall, before proceding with removal, shall notify the Administrator. Once Identified the Unsuitable material shall be removed and disposed of in accordance with the provisions of Cl. 9.3 and CL.11.3 | | | | | Visual | **Hold** **Point** **4**  MRTS04 Cl. 9.4 | |  | |  | |  |  |  |
| 9 | Bottom of excavation compaction tested. 0 - 150mm below foundation -RDD Q140A | | | | | Cl 15, Table 15.3(b)  CV 95% minimum  (1 tests / 50m2 - min 2 / lot) | Test results MRTS04  Table A.2 | |  | |  | |  |  |  |
| **Culvert** **Installation** | | | | | | | | | | | | | | | |
| 10 | Components are assembled as per manufaturers specifications, and if possible, contruction commenced at outlet | | | | | Visual | Check Item  MRTS03 Cl11.3.3 Cl11.3.4 | |  | |  | |  |  |  |
| 11 | Pipes shall be placed with their external grooved ends or spigot ends facing the culvert outlet | | | | | Visual | Check Item  MRTS03 Cl11.3.5 | |  | |  | |  |  |  |
| 12 | The pipes shall be laid with the lifting hole or "TOP" marking uppermost. Lifting holes shall be plugged or otherwise closed off in accordance with the manufacturer’s instructions after the pipe is installed. | | | | | Visual | Check Item  MRTS03 Cl11.3.5 | |  | |  | |  |  |  |
| 13 | Placed with external groove or spigot end facing outlet with minimum of 50mm bedding material | | | | | Visual | Check Item  MRTS03 Cl11.3.5 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03** **Supply** **and** **Installation**  **(July** **2021)** **of** **Precast** **Concrete**  **ITP** **3.10**  **Rev** **01** **Culverts** | | | |
| **Lot** **Number** | | | **Description** | Supply and Install Precast Concrete culverts | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 14 | The horizontal alignment of culverts shall not vary from the location specified in the Drawings by more  than ± 100 mm | | | | | ± 100mm  (All points shown on drawings - min 1 per 20m or 3 points) | Survey Results  MRTS03 Cl.8.2 | |  | |  | |  |  |  |
| 15 | The invert heights of culverts shall not vary from those specified by more than ± 10 mm and nowhere shall the grades of culverts depart from those specified by more than 1% | | | | | ± 10mm, ± 1% grade  (All points shown on drawings - min 1 per 20m or 3 points) | Survey Results  MRTS03 Cl.8.3 | |  | |  | |  |  |  |
| **Backfill** | | | | | | | | | | | | | | | |
| 16 | Backfilling of culverts shall not commence until all the conformance and As Constructed Survey requirements have been met and notice of such works provided to the Administrator | | | | | Visual | **Hold** **Point** **4**  MRTS03 11.3.10 | |  | |  | |  |  |  |
| 17 | Backfill material shall not be placed until culverts, structures, pipes, conduits, pits, etc have been  completed and inspected, and any specified curing periods have elapsed. | | | | | Visual | **Hold** **Point** **14**  MRTS04 Cl.19.3.3 | |  | |  | |  |  |  |
| 18 | **Overlay** **material** within 300 mm of the structure, culvert, pipe, etc shall be general back fill Class A1, A2 or B material conforming to MRTS04 Cl.19.2.2 excep 100% material shall pass 25.0mm test sieve. | | | | | **Class** **A1:** **Class** **A2:** **Class** **B:**  **Except:** 100% passing 25mm | **Witness** **Point**  MRTS04 19.3.1  19.2.2  Table 14.2.2 | |  | |  | |  |  |  |
| 19 | Compaction - Q142A, Q141B | | | | | Top 300mm below Subgrade Level ≥97%  Greater than 300mm below Subgrade Level ≥95%  (1 test / 50m3, min 1 per lot) | Test results  MRTS04  Table 15.3(b) | |  | |  | |  |  |  |
| 20 | Moisture content within ranges specified Rainfall Zone: HIGH | | | | | Class A1/A2: 70-100%  Class B: 80-110% | Test results MRTS04  Table 15.3(c) | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03** **Supply** **and** **Installation**  **(July** **2021)** **of** **Precast** **Concrete**  **ITP** **3.10**  **Rev** **01** **Culverts** | | | |
| **Lot** **Number** | | | **Description** | Supply and Install Precast Concrete culverts | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Completion** | | | | | | | | | | | | | | | |
| 21 | CCTV inspection undertaken, report submitted and accepted by administrator. | | | | | Visual | **Hold** **Point** **3**  MRTS03 Cl11.3.5 | |  | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Supply** **and**  **(March** **2022)** **Installation** **of** **Road**  **ITP** **14.13**  **Rev** **01** **Signs** | | | |
| **Lot** **Number** | | | **Description** | Installation of Signage | | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | SS/QA | Inspection | | Client/Rep | NCR | Related Lot # |
| 1 | Not less than seven days prior to commencement of dismantling and removal of existing road furniture, the Contractor shall submit a schedule of items of existing road furniture to be disamantled or re-erection in accordance with the provisions of the design documentation. | | | | | Submission of Schedule | | **Milestone**  MRTS14 Cl 9.2 | |  | | | |  |  |  |
| 2 | Dismantling and removal shall not commence until the experation of the seven day period. | | | | | Expiry of 7 days since submission of Schedule | | **Hold** **Point** **2**  MRTS14 Cl 9.2 | |  | | | |  |  |  |
| 3 | All legend elements, including letters, numerals, symbols, colours and borders in all sign faces conform to the MUTCD and project drawings. | | | | | Visual | | Check Item  MRTS14 CL 13.2 | |  | | | |  |  |  |
| 4 | Dimensional Tolerances conform to the requirements detailed in AS1743 and legends and lettering conforms to AS1744. | | | | | Visual | | Check Item  MRTS14 CL 13.2 | |  | | | |  |  |  |
| 5 | Sign Material conforms with the requirements as set out in Cl 13.3. | | | | | Visual | | Check Item  MRTS14 Cl 13.3 | |  | | | |  |  |  |
| 6 | The sign substrate shall be manufactured from aluminium. Other materials may be considered but evidence of the full approval of the department will be provided to the administrator prior to their use. | | | | | Visual | | **Hold** **Point** **3**  MRTS14 CL 13.3.1.1 | |  | | | |  |  |  |
| 7 | Sign faces are fabricated in accordance with the requirements of Traffic and Road Use Management Manual (TRUM) Volume 3, Part 5. | | | | | Visual | | Check Item  MRTS14 Cl 13.4 | |  | | | |  |  |  |
|  | Sign posts shall be circular or rectangular hollow sections | | | | | 1 | | Check Item | |  | | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Supply** **and**  **(March** **2022)** **Installation** **of** **Road**  **ITP** **14.13**  **Rev** **01** **Signs** | | | |
| **Lot** **Number** | | | **Description** | Installation of Signage | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 8 | unless specifically shown otherwise in the design  documentation. | | | | | Visual | MRTS14  Cl 14.2.3 | |  | | |  |  |  |
| 9 | Post sizes and spacings shall conform to the design documentation with slip bases and fuse plates as required. | | | | | Visual | Check Item  MRTS14 Cl 14.2.3 | |  | | |  |  |  |
| 10 | Concrete footings shall conform to MRTS70 and to the dimenesions shown in the design documentation. | | | | | Visual | Check Item  MRTS14 Cl 14.3 | |  | | |  |  |  |
| 11 | Erection of Road Signs. | | | | | Visual | **Witness** **Point**  MRTS14 Cl 14.4 | |  | | |  |  |  |
| 12 | Signs erected at the locations shown in the design documentation and the orientation shall be in accrodance with the MUTCD. | | | | | Visual | Check Item  MRTS14 Cl 14.4.2 | |  | | |  |  |  |
| 13 | Sign faces installed on the posts and/or frame once all other erection is complete. | | | | | Visual | Check Item  MRTS14 Cl14.4.5 | |  | | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Supply** **and**  **(March** **2022)** **Installation** **of** **Road**  **ITP** **14.13**  **Rev** **01** **Signs** | | |
| **Lot** **Number** | | | **Description** | Installation of Signage | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
|  | Supervisor/QA Verify that the Above has been Constructed according to Specification | | | | | | Project Manager Verify that the Above has been Constructed according to Specification | | | | | |  |
| Print Name | Signature | | | | Date | Print Name | | Signature | | | Date |
|  |  | | | |  |  | |  | | |  |
|  | | | | | | | | | | | | | |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** | | |
| **Lot** **Number** | | | **Description** | Traffic Management | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** | **MRTS02** **(Nov** **2023)**  **ITP** **02.01**  **Rev** **0** | **Traffic** **Management** | |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection | | | NCR | Related Lot # |
| SE/PE/WS/SS | | Administrator |
| 1 | The Contractor's Nominated Traffic Officer submitted to the Administrator and meets the requirements as specified | | | | | Accreditation Supplied to Administrator | Check Item  MRTS02 Cl. 5.2 | |  | |  |  |  |
| 2 | No traffic rearrangements shall be carried out until after the Administrator has advised the Contractor that the submitted, and amended as directed, TMP is approved and suitable for use. **TMP** **REVIEW** **PERIOD** **21** **DAYS** **as** **per** **MRTS02.01.** | | | | | Approval via Contract Notice - Per NTO | **Hold** **Point** **1**  MRTS02 Cl. 5.3 | |  | |  |  |  |
| 3 | All traffic control devices inspected and records kept in accordance with the specification | | | | | Site Records - Daily | Check Item  MRTS02 Cl. 5.6.4 | |  | |  |  |  |
| 4 | In the event of a traffic crash/incident within the site, the Contractor shall record the date and take time and date stamped photographs of the signs/devices in the vicinity of the crash. | | | | | Incident Report - Per incident | Check Item  MRTS02 Cl. 5.6.5 | |  | |  |  |  |
| 5 | All TGS's prepared by a suitably qualified person and submitted to the Administrator for review and shall be accompanied with a specific risk assessment, as required. Innovations, alternatives and departures from standards shall be certified by a RPEQ. **TGS** **REVIEW** **PERIOD** **14** **DAYS** **as** **per** **MRTS02.01.** | | | | | TMD sign off of TGS and,  RPEQ Risk Assessment as required | **Hold** **Point** **2**  MRTS02 Cl. 6.2 | |  | |  |  |  |
| 6 | The Traffic Management Inspection report to the Contractor for action, together with documentation of any actions taken in regard to findings. | | | | | Submission of report to Administrator - Per inspection | **Milestone**  MRTS02 Cl. 7.5 | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan** | |
| **Lot** **Number** | | | **Description** | Traffic Management | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** | **MRTS02** **(Nov** **2023)**  **ITP** **02.01**  **Rev** **0** | **Traffic** **Management** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | | |
|  | | | | | | | | | |
|  | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | | **Doval** **Project** **No.** | | | **24019** | | **Inspection** **and** **Test** **Plan** **ITP** **05.01**  **MRTS05** **(July** **2022)**  **Rev** **01** | | | | |
|  |  |  |  |  |  |  |  | **Client** **Project** **No.** | | | **CE08,** **CE14,** **CE09** | |
|  |  |  |  |  |  |  |  | **Lot** **Number** | | | **Description** |  | | | | | | | **Date** **Opened** | |
|  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  |  | **Date** **Started** | | **Unbound** **Pavement** | | | | |
|  |  |  |  |  |  |  |  |  | |
| **Location** | | | | | | | |  | | | | **Control** **Line** |  | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | | Activity Description | | | | | | | | | | Acceptance Criteria  & Frequency (Project Specific) | | | Check Item | | Inspection | | | | | NCR | Related Lot # | | |
| Reference | | PE/WS/SS | | | Administrator | |
| 1 | | Define lot size. Maximum lot size for unbound pavements is 5000 tonnes for supply and the lesser of "A single continuous layer completed in one day's production" and 500m for construction | | | | | | | | | | Supply of unbound pavement materials - 5000tn  Maximum lot size - A continuous single layer constructed in 1 day's production Road rouhness testing: maximum lot size 100m | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 App. A  Table A1 | |
| 2 | | Copies of current Quarry Registration Certificate (Type 1, 2 or 3) or quarry assessment (Type 4) forwarded to the Administrator at least 7 working days before material deliveries to the stockpile / pavement are to commence. | | | | | | | | | | Submission of Registration Certificate per quarry | | | **Milestone** | |  | | |  | |  |  |  |  |
| MRTS05 Cl.6.2 | |
| 3 | | No unbound pavement works shall commence until all relevant construction procedure have been  accepted by the Administrator. | | | | | | | | | | Approval of procedure by from the Administrator | | | **Hold** **Point** **1** | |  | | |  | |  |  |  |  |
| MRTS05 Cl 5.2.1 | |
| 4 | | The Material Production Procedures shall be submitted to the Administrator at least seven days prior to the commencement of material production for the works. | | | | | | | | | | Submission of production procedure | | | **Milestone** | |  | | |  | |  |  |  |  |
| MRTS05 CL 5.2.2 | |
| 3 | | Submission of Construction Procedure for unbound pavement construction at least 14 days prior to commencement of works. | | | | | | | | | | Approval of procedure by from the Administrator | | | **Milestone** | |  | | |  | |  |  |  |  |
| MRTS05 Cl 5.2.3 | |
| 5 | | The written permission from the Administrator to use the quarry or source is required prior to material being supplied to or used in the works. | | | | | | | | | | Written Permission from Administrator | | | **Hold** **Point** **2** | |  | | |  | |  |  |  |  |
| MRTS05 Cl.6.1 | |
| 6 | | Layer Thickness between 75mm and 250mm for all subtypes excluding Type 1 (HSG). | | | | | | | | | | Visual Layer Thickness 75mm - 250mm | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05  Table 8.3.3 | |
| 7 | | Minimum value of Relative Dry Density Requirements  C.V of RDD = 100% MDD for Base course 2.1, 2.2, = 100%  SDD for other than base course 2.1, 2.2 and 100% SSD for all layers of 2.3, 2.4 and 2.5. | | | | | | | | | | C.V of RDD >= 100% MDD  Normal: 1 test / 500m2, 4 per lot, Reduced: 1 test / 1000m2, 4 per lot | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05  Table 8.4.3 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | | **Doval** **Project** **No.** | | | **24019** | | **Inspection** **and** **Test** **Plan** **ITP** **05.01**  **MRTS05** **(July** **2022)**  **Rev** **01** | | | | |
|  |  |  |  |  |  |  |  | **Client** **Project** **No.** | | | **CE08,** **CE14,** **CE09** | |
|  |  |  |  |  |  |  |  | **Lot** **Number** | | | **Description** |  | | | | | | | **Date** **Opened** | |
|  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  |  | **Date** **Started** | | **Unbound** **Pavement** | | | | |
|  |  |  |  |  |  |  |  |  | |
| **Location** | | | | | | | |  | | | | **Control** **Line** |  | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| 8 | | Unless agreed otherwise, a trial placement of materials of a minimum size of 1000m2 is required. | | | | | | | | | | All tests as described by this ITP and MRTS05 | | | **Hold** **Point** **3** | |  | | |  | |  |  |  |  |
| MRTS05 Cl. 8.2 | |
| 9 | | Moisture content such that the degree of saturation is less than 70%(modified). | | | | | | | | | | S < 70%  Normal: 1 test / 500m2, 4 per lot, Reduced: 1 test / 1000m2, 4 per lot | | | **Hold** **Point** **4** | |  | | |  | |  |  |  |  |
| MRTS05  Table 8.3.4.1 | |
| 10 | | No visible segregation of material. Partical Size Distribution Q103A. | | | | | | | | | | Min 1 per lot  Additional tests as directed by the Administrator | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05  Table A3 | |
| 11 | | Geometric Tolerances in accordance with MRTS05 Cl.8.4.4.3 | | | | | | | | | | ±10mm when covered by AC  ±15 mm in all other cases (1 test / 20m) | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05.1 Cl.8.4.4.3 | |
| 12 | | Geometric Tolerances: Horizontal tolerance of ±50mm, or -50  / +250mm for pavement edges not adjacent to any other section of pavement and not adjacent to any  structure or adjoining road | | | | | | | | | | ±50mm, or -50 / +250mm if not adjacent to adjoining pavement (1 test / 25m) | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 Cl.8.4.4.2  Table A4 | |
| 13 | | Deviation from a 3m straight edge shall be less than 5mm for material types 1,2,3 and 4 | | | | | | | | | | Straight Edge Test Less than 5mm 1 test per 20m | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 Cl. 8.4.5 | |
| 14 | | Each unbound pavement layer shall be tested for perceptable surface deformation by **'proof** **rolling'** the pavement, in the presence of the Administrator. | | | | | | | | | | Visual Continuous testing | | | **Witness** **Point** **2** | |  | | |  | |  |  |  |  |
| MRTS05 Cl.9.4.7 | |
| 15 | | Additional Geometrics (final layer only)  The crossfall shall not depart from the corresponding crossfall shown in the Contract by more than 0.5% absolute. | | | | | | | | | | 0.5% deviation from crossfall (1 test / 25m) | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 Cl.8.4.4.4 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | | **Doval** **Project** **No.** | | | **24019** | | **Inspection** **and** **Test** **Plan** **ITP** **05.01**  **MRTS05** **(July** **2022)**  **Rev** **01** | | | | |
|  |  |  |  |  |  |  |  | **Client** **Project** **No.** | | | **CE08,** **CE14,** **CE09** | |
|  |  |  |  |  |  |  |  | **Lot** **Number** | | | **Description** |  | | | | | | | **Date** **Opened** | |
|  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  |  | **Date** **Started** | | **Unbound** **Pavement** | | | | |
|  |  |  |  |  |  |  |  |  | |
| **Location** | | | | | | | |  | | | | **Control** **Line** |  | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| 16 | | The contractor shall provide a methodology and calculations to determine the road roughness to the administrator for acceptance. Roughness shall be less than 2.31m/km. | | | | | | | | | | Less than 2.31m/km 1 test per 500m | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 Cl.8.4.6 | |
| 17 | | The finished surface of any unbound pavement layer shall:  - be hard and homogenous in apperance  - not have any loose, segregated or contaminated areas  - have the coarse particles slightly exposed  - not be affected by delamination  - not show signs of water pumping, and  - not visibly deflect under load when proof rolled in accordance with Cl 9.4.7 | | | | | | | | | | Visual | | | Check Item | |  | | |  | |  |  |  |  |
| MRTS05 Cl.8.3.5.1 | |
| 18 | | The Contractor shall not incorporate materials into the work unless it has demonstrated that the  material complies fully with the requirements of this Technical Specification before delivery of the  material to site | | | | | | | | | | Test Results per lot | | | **Hold** **Point** **5** | |  | | |  | |  |  |  |  |
| MRTS05 Cl.9.1 | |
| 19 | | Unless otherwise approved by the Administrator, no unbound pavement layer shall be covered by a subsequent layer of pavement or by a surfacing until Hold Point 6:   1. all testing has been completed 2. the surface finish of the layer complies with the requirements of Clause 8.3.5 3. all test results comply with the requirements of this Technical Specification, or any nonconformances have been submitted, with corrective actions proposed by the Contractor, and accepted by the Administrator 4. the layer has been presented to the Administrator for inspection, and 5. the As Constructed Survey requirements of the lot have been met as specified in MRTS56 Construction Surveying and notice of such works has been provided to the Administrator. | | | | | | | | | | Adminstrator Acceptance | | | **Hold** **Point** **6** | |  | | |  | |  |  |  |  |
| MRTS05 Cl.9.5.1 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | | | | | | | | | | **Doval** **Project** **No.** | | | | | **24019** | | | | **Inspection** **and** **Test** **Plan** **ITP** **05.01**  **MRTS05** **(July** **2022)**  **Rev** **01** | | | | | |
|  |  |  |  |  |  |  |  | **Client** **Project** **No.** | | | | | **CE08,** **CE14,** **CE09** | | | |
|  |  |  |  |  |  |  |  | **Lot** **Number** | | | **Description** | | |  | | | | | | | | | | | | | | | **Date** **Opened** | | | |
|  |  |  |  |  |  |  |  |  | | | |
|  |  |  |  |  |  |  |  |  |  |  | **Date** **Started** | | | | **Unbound** **Pavement** | | | | | |
|  |  |  |  |  |  |  |  |  | | | |
| **Location** | | | | | | | |  | | | | | | **Control** **Line** | | | |  | | | **Chainage** | | |  | | - |  | | **Date** **Finished** | | | |
|  | | | |
| **General** **Comments** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | | | | | | | | | | | | | | | | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | | | | | | | | | | | | | | | |  |
|  | Print Name | | | | | | | Signature | | | | | | Date | | | | | | | Print Name | | | | | | | Signature | | | | | | Date | | | |  |
|  |  | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | | | | |  | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **MRTS04** **(June** **2023)**  **ITP** **04.09**  **Rev** **01** | | |
| **Lot** **Number** | | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  |  | **Date** **Started** | | **Unsuitable** **Material** | | |
|  | |
| **Location** | |  | | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | The identification of unsuitable material shall include items listed in MRTS04 Cl. 9.2 | | | | | | Visual | Check Item  MRTS04 Cl. 9.2 | |  | |  | |  |  |
| 2 | Where Unsuitable Material or potentially Unsuitable Material is encountered on the Site, the Contractor shall, before proceeding to remove or cover such material, notify the Administrator and provide any test results required to justify such a claim. | | | | | | Visual | **Hold** **Point** **4**  MRTS04 Cl. 9.4 | |  | |  | |  |  |
| 3 | Excavated as per MRTS04 | | | | | | MRTS04  (General Excavation ITP) | Check Item  MRTS04 Cl. 13 | |  | |  | |  |  |
| 4 | Backfilling of the excavation shall not commence until an As Constructed Survey of the excavation have been met as specified in MRTS56 and notice of such Works provided to the Administrator | | | | | | Survey Report | Check Item  MRTS04 Cl. 13.3.2.2 | |  | |  | |  |  |
| 5 | Backfill as per MRTS04  Replacement fill material shall be placed uniformly in layers and compacted using compacted layer method | | | | | | MRTS04  (Backfill ITP) | Check Item  MRTS04 Cl. 13.3 MRTS04 Cl 15.3 | |  | |  | |  |  |
| 6 | After backfilling of the excavated area has been completed, an As Constructed Survey shall be undertaken. | | | | | | Survey Report | Check Item  MRTS04 Cl. 13.3.2.2 | |  | |  | |  |  |
| 7 | All surplus material and/or Unsuitable Material shall be disposed of off the Site | | | | | | Visual | Check Item  MRTS04 Cl. 11.3 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan** **MRTS04** **(June** **2023)**  **ITP** **04.09**  **Rev** **01** |
| **Lot** **Number** | | | | **Description** |  | | **Date** **Opened** |
|  |
|  |  |  |  | **Date** **Started** | **Unsuitable** **Material** |
|  |
| **Location** |  | | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | | |
|  | | | | | | | | | |
|  | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
| CNG |  |  | **Date** **Started** | **MRTS04** **(June** **2023)**  **ITP** **04.09**  **Rev** **01** | **Clear** **and** **Grub** | |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection | | | NCR | Related Lot # |
| SE/PE/WS/SS | | Administrator |
| 1 | Any trees, shrubs and overhanging branches to be left undisturbed shall be clearly marked prior to clearing operations reaching the areas concerned. | | | | | Visual | **Hold** **Point** **2**  MRTS04 Cl. 7.2.2 | |  | |  |  |  |
| 2 | Any trees required by the Administrator for use as marketable timber shall be as nominated in Clause 1.3 of Annexure MRTS04.1. Such trees shall be clearly marked by the Contractor prior to clearing operations reaching the areas concerned | | | | | Visual | **Hold** **Point** **3**  MRTS04 Cl. 7.2.3 | |  | |  |  |  |
| 3 | As soon as practicable and prior to initial earthworks operations (clearing and grubbing) for any stage or section of the Works, erosion and sediment controls associated with drainage paths flowing through the Works area shall be installed. | | | | | Visual | **Hold** **Point** **2**  MRTS52 Cl. 7.1 | |  | |  |  |  |
| 4 | Hollow timber which is identified as being suitable for fauna habitat logs relocated to areas clear of construction activities | | | | | Visual | Check Item  MRTS04 Cl. 7.2.5 | |  | |  |  |  |
| 5 | Surplus material and material considered not suitable for use as topsoil in accordance with Cl. 8.3 shall be assessed for suitability for use as fill or deemed as unsuitable and disposed in accordance with Cl. 11 | | | | | Visual | Check Item  MRTS04 Cl. 8.4.2 | |  | |  |  |  |
| 6 | The scope of clearing and grubbing shall include the items as per Annexure MRTS04.1 Cl. 1.2 & Cl. 1.4 | | | | | Visual | Check Item  MRTS04 Cl. 7.2.8  MRTS04.1 Cl 1.2  Cl 1.4 | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
| CNG |  |  | **Date** **Started** | **MRTS04** **(June** **2023)**  **ITP** **04.09**  **Rev** **01** | **Clear** **and** **Grub** | |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 7 | The additional width for clearing and grubbing the lessor of 2.0m beyond the extents of earthworks, or the property boundary (excluding any areas indicated on the Drawings as an Exclusion Zone) as per Annexure MRTS04.1 Cl. 1.1 . Any local infrastructure or landscaping within the 2m extents is to be assessed and confirmed with the Superintendent prior to clearing activities being undertaken.  The Superintendent may direct the removal or retainment of any features at their discretion. | | | | | Visual | Check Item  Annexure MRTS04.1 Cl. 1.1 | |  | |  |  |  |
| 8 | Material not to be removed from within drip lines of existing plants to be retained except where this would result in unsuitable material being left beneath embankments. Root systems of existing plants to be retained are preserved where practical. | | | | | Visual | Check Item  MRTS04 Cl. 8.4.3 | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** | | | | |
| **Lot** **Number** | | | **Description** |  | | | | | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** |  | **MRTS70** **July** **2022** | | **Concrete** | |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | |  | **Date** **Finished** |
|  |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | | Inspection  SE/PE/WS/SS Administrator | | | | | | NCR | Related Lot # |
| 1 | The Contractor shall nominate the special class concrete mix to be used in the Works not less than four weeks prior to the commencement of concreting operations. | | | | | Visual | | Milestone  MRTS70 Cl 9.2 | |  | | | | |  |  |  |
| 2 | Procedure for hot weather concreting submitted 2 weeks prior to first concrete pour. | | | | | Visual | | Milestone  MRTS70 Cl 13.1 | |  | | | | |  |  |  |
| 3 | Procedure for curing submitted 2 weeks prior to first concrete pour. | | | | | Visual | | Milestone  MRTS70 Cl 15.11.1 | |  | | | | |  |  |  |
| 4 | Procedure for temperature control submitted 4 weeks prior to first concrete pour. | | | | | Visual | | Milestone  MRTS70 Cl15.5 | |  | | | | |  |  |  |
| 5 | When requested by the Adminstrator, mix designs shall have a trial mix completed. Each trial mix shall be a Witness Point with a notice peroid of 3 days. The minimum volume of trial mix is 25% of the rated capacity of the mixer. | | | | | f'c Each Mix | | **Witness** **Point**  MRTS70 Cl 15.1.1 | |  | | | | |  |  |  |
| 6 | No concrete shall be placed in the Works until approval of the mix design has been obtained from the Administrator. | | | | | Visual | | **Hold** **Point** **1**  MRTS70 Cl 15.1 | |  | | | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** | **MRTS70** **July** **2022** | | **Concrete** | |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** |
|  |
| 7 | Concrete placed within 75minutes (conc. Temp<=32 degrees) or 1hour (32>conc. temp < 35 degrees) from the time of charging the mixer. These times may be extended at the Administrator's discretion where set-retarding admixtures are used. No concrete may be placed the temperature of the concrete is less than 10°C or exceeds 35°C. | | | | | 10< Temp <35 Continuous | | Check Item  MRTS70 Cl 13.1 | |  | | |  |  |  |
| 8 | Falsework details provided to Administrator at least 4 weeks prior to erection. | | | | | Visual | | Milestone  MRTS70 Cl 15.3 | |  | | |  |  |  |
| 9 | Design and erection of falsework, its founding, support and time, order and manner of release approved by the Administrator. | | | | | Visual | | **Hold** **Point** **2**  MRTS70 Cl 15.3 | |  | | |  |  |  |
| 10 | All formwork shall be subject to inspection and approval by the Administrator. | | | | | Visual | | **Hold** **Point** **3**  MRTS70 Cl 15.4.1 | |  | | |  |  |  |
| 11 | Concrete operations shall not commence until all relevant procedures, listed in Table 5.2 have been  approved by the Administrator. | | | | | Visual | | **Hold** **Point** **4**  MRTS70 Cl 15.6 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** | **MRTS70** **July** **2022** | | **Concrete** | |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** |
|  |
| 12 | No concrete shall be placed in the Works until:   1. the formwork and reinforcement have been inspected 2. all foreign material has been completely removed from the forms 3. the mixing, batching, and compaction equipment have been approved by the Administrator. | | | | | Visual | | **Hold** **Point** **5**  MRTS70 Cl 15.6.1 | |  | | |  |  |  |
| 13 | Administrator to be present for placement of concrete, given 24 hours notice. | | | | | Visual | | **Witness** **Point** **2**  MRTS70 Cl 15.6.1 | |  | | |  |  |  |
| 14 | Concrete slump is within tolerance (AS 1379 table 6) of approved target slump. | | | | | Slump Test:  <60 - ±10  ≥60≤80 - ±15  >80≤110 - ±20  >110≤150 - ±30  >150 - ±40  (Every Load) | | Check Item  MRTS70 AS 1379  Table 5.1 | |  | | |  |  |  |
| 15 | Samples for testing taken as required in accordance with claus  12. - min 2 cylinders/sample. | | | | | 1-3 Loads - Every Batch 4-10 Loads - 4 Samples  11-23 Loads - 5 Samples  >23 Loads - 1 per 4 loads | | Test Results  MRTS70 Cl 15.2 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** | **MRTS70** **July** **2022** | | **Concrete** | |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** |
|  |
| 16 | Compaction of concrete commences immediately after deposition in accordance with approved procedures and equipment - The number of vibrators to be used by the Contractor shall be not less than one for each  10 m³ of concrete placed per hour. | | | | | Visual | | Check Item  MRTS70 Cl 16.5.2 | |  | | |  |  |  |
| 17 | Fresh concrete shall not be placed against concrete which has taken its initial set. If an interruption greater than 45 minutes occurs, without prio approval from the Administrator, or a cold join occurs, the precast member shall be rejected. | | | | | Visual | | Check Item  MRTS70 Cl.16.5.1 | |  | | |  |  |  |
| 18 | Construction joints shown in the Drawings are mandatory. The use of construction joints elsewhere in the concrete work shall require the prior approval of the Designer. | | | | | Visual | | **Hold** **Point** **7**  MRTS70 Cl 15.13 | |  | | |  |  |  |
| 19 | Forms, falsework and centring shall remain in position until the times stated in Cl15.8 and table 15.8 have elapsed after completion of concreting. | | | | | Visual | | **Hold** **Point** **6**  MRTS70 Cl 15.8 | |  | | |  |  |  |
| 20 | Forms shall be removed with care, without hammering and wedging, and in a manner which shall not  injure the concrete or disturb the remaining supports. Centres shall be lowered gradually and uniformly  in such a manner as to avoid injurious stress in any part of the structure. | | | | | Visual | | **Witness** **Point** **4**  MRTS70 Cl 15.8 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** | **MRTS70** **July** **2022** | | **Concrete** | |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** |
|  |
| 21 | Following removal of forms   * Fins and unwanted projections are ground off * Where required in the drawings surfaces achieve class 1 finish or are bagged within 4 hours of stripping, then cured * Where surface finish is not specified, class 2 finish is required. Where surfaces of concree do not achieve class 2, surface shall be bagged. | | | | | Visual | | Check Item  MRTS70 Cl 16.8.1 | |  | | |  |  |  |
| 22 | Positional tolerances, listed in Table 15.7.3, refer to the departure of any point, plane or component of  a structure from its correct position within the layout of the structure as shown in the Drawings. | | | | | Visual  <Specified MRTS70 Cl15.7.3 | | Check Item  MRTS70 Cl 15.7.3 | |  | | |  |  |  |
| 23 | Acceptance or Rejection of Hardened Concrete on the Basis of Strength | | | | | 1. < 0.9 Fc (Any sample) 2. < Fc (Ave 3 consective samples from Lot) 3. > 1.4 Fc (Ave 3 consective samples from Lot)   In addition   1. < 0.5 (Fc+Ft) (10 or more samples for Class of concrete in 4 consective   weeks) | | Test Results  MRTS70 Cl 12.5  & Table 12.4 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan** **ITP** **70.01**  **Rev** **03** |
| **Lot** **Number** | | | **Description** |  | | **Date** **Opened** |
|  |
| CON | 1 | 001 | **Date** **Started** | **MRTS70** **July** **2022** **Concrete** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan**  **MRTS28** **Contractor's** **Camp** **and** **Site** **(Nov** **2019)** **Facilities**  **28.01** **Rev** **01** | | | |
| **Lot** **Number** | | | | |  | | | | | | **Date** **Opened** | |
|  | |
|  |  |  |  | **Description** | **Date** **Started** | |
|  | |
| **Location** | |  | | | | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | PE/WS/SS | | Inspection  CQR to Verify | | Administrator | NCR | Related Lot # |
| 1 | Location of facilities within areas given in MRTS 28.1 Cl. 1 or through private arrangements. | | | | | | Visual | | Check Item  MRTS28 Cl. 4.2 | |  | | |  | |  |  |  |
| 2 | Properly constructed toilets, rubbish receptacles and wash facilities provided. | | | | | | Visual | | Check Item  MRTS28 Cl. 4.3 | |  | | |  | |  |  |  |
| 3 | Camp and facilities provide safe egress and ingress and do not impact on existing through traffic. | | | | | | Visual | | Check Item  MRTS28 Cl. 4.5.6 | |  | | |  | |  |  |  |
| 4 | Contractors camp complies with all requirements of MRTS52 and included in the E&SC plan. | | | | | | Visual | | Check Item  MRTS52 Cl. 6 | |  | | |  | |  |  |  |
| 5 | Contractors camp complies with all requirements of MRTS28 annexure with a proposed site facility layout submitted to the administrator. | | | | | | Visual | | Check Item  MRTS28.1 | |  | | |  | |  |  |  |

1

**Logan** **City** **Council** **Blackspots** **Project**

**Lot** **Number**

**Description**

**Doval** **Project** **No.** **24019** **Client** **Project** **No.** **CE08,** **CE14,** **CE09**

**Date** **Opened**



**Date** **Started**

**Inspection** **and** **Test** **Plan**

**Location**

**Control** **Line** **Chainage** -

**Date** **Finished**

**MRTS28** **(Nov** **2019)**

**28.01** **Rev** **01**

**Contractor's** **Camp** **and** **Site** **Facilities**

**General** **Comments**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | PE/WS/SS | | Inspection  CQR to Verify | | Administrator | NCR | Related Lot # |
| 1 | Maximum Lot Size - 1 Culvert | | | | | Lot size </= 1 Culvert - Per lot | | Check Item  MRTS04  Table A.2 | |  | | |  | |  |  |  |
| 2 | Culvert Construction Procedures accept prior to commencement of Installation | | | | | Administrator Approval - Per Project | | **Hold** **Point** **2**  MRTS03 Cl 11.3.1 | |  | | |  | |  |  |  |
| **Excavation** | | | | | | | | | | | | | | | | | |
| 3 | Excavations shall be carried out in accordance with Clause 13 of MRTS04 General Earthworks. | | | | | Visual - Per lot | | Check Item  MRTS03 Cl 12.3.1 | |  | | |  | |  |  |  |
| 4 | Where Unsuitable Material (in accordance with the provisions of Cl. 9.2) or potentially unsuitable Material is encountered on site the contactor shall, before proceding with removal, shall notify the Administrator.  Once Identified the Unsuitable material shall be removed and disposed of in accordance with the provisions of Cl.  9.2 and CL.11  Reference Unsuitable Lot No. : | | | | | Visual - Per lot | | **Hold** **Point** **4**  MRTS04 Cl 9.4 | |  | | |  | |  |  |  |
| 5 | Bottom of excavation compaction tested. 0 - 150mm below foundation | | | | | Cl 15, Table 15.3(b)  CV 95% minimum  (1 tests / 50m2 - min 1 / lot) | | Test results  MRTS04  Table A.2 | |  | | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Installation** | | | | | | | | | | | | | | | |
| 6 | **Cast** **In** **Situ** **material:** In accordance with MRTS03 Cl.6.1, MRTS 70 & MRTS71 | | | | | MRTS03  Cl.15: End Structures Cl.21: Gullies  Cl.21: Access Chambers | Check Item  MRTS03 Cl.6.1 | |  | |  | |  |  |  |
| 7 | **Precast:** Installed in accordance with MRTS03  -Components shall be laid on a foundation bedding which provides continuous even support to the structures. | | | | | Visual  Cl.19: Precast End Structures Cl.21: Precast Gullies Cl.21.5.1 Precast Access Chamber | Check Item  MRTS03 Cl. 16  Cl. 21  Cl. 21.5.1 | |  | |  | |  |  |  |
| 8 | **Precast:** Culverts shall be joined to shafts/pits to form watertight joints using cement mortar. Cement mortar shall be used within one hour of mixing and shall not be re-tempered. The joints shall be finished to  given smooth surfaces which are uniform with the surfaces of the shafts. | | | | | Visual | Check Item  MRTS03 Cl. 21.3 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Tolerances** | | | | | | | | | | | | | | | |
| 9 | **Gullies/Chambers:** **Vertical** **Tolerances:** Invert heights shall not vary from those specified by the Drawings by more than ± 50 mm | | | | | ±50mm  (All points specified on drawings) | Survey Results  MRTS03 Cl.21.4.2 | |  | |  | |  |  |  |
| 10 | **Gullies/Chambers:** **Vertical** **Tolerances**: The heights of the tops of back-units, grates and frames shall not vary from those described in the Drawings by more than  ± 10 mm | | | | | ±10mm  (All points specified on drawings) | Survey Results  MRTS03 Cl.21.4.2 | |  | |  | |  |  |  |
| 11 | **Horizontal** **tolerances:** **Gullies:** shall not vary from those specified in the Drawings by more than ± 100 mm in the direction of the construction centre line and ± 50 mm in the direction at right angles to the construction centre line.  **Access** **Chambers:** shall not vary from those specified in the Drawings by more than ±100mm | | | | | **Gullies:**  ±100mm in road direction  ±50mm perpendicular to road  **Access** **Chambers:**  ±100mm  (All points specified on drawings) | Survey Results  MRTS03 Cl.21.4.1 | |  | |  | |  |  |  |
| 12 | **Gullies/Chambers:** join neatly to existing drainage structures, do not pond water unnecessarily and are at heights compatible with other adjacent structures. | | | | | Visual | Check Item  MRTS03 Cl.21.4.2 | |  | |  | |  |  |  |
| 13 | **Gullies/Chambers:** Grates on gullies or Concrete top slabs on precast concrete access chambers shall not be installed until all the surveying requirements have been met and notice of such works provided to the Administrator | | | | | Visual | **Hold** **Point** **5**  **Hold** **Point** **6**  MRTS03 Cl.21.3 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Backfill** | | | | | | | | | | | | | | | |
| 14 | Backfilling of culverts shall not commence until all the conformance and As Constructed Survey requirements have been met and notice of such works provided to the Administrator | | | | | Visual | **Hold** **Point** **4**  MRTS03 11.3.10 | |  | |  | |  |  |  |
| 15 | Prior to incorporating any Backfill material into the Works, the Contractor shall submit stockpile or source tests results as specified in Appendix A which demonstrate the source meets the specified  material requirements | | | | | Quarry Material Test Results | **Hold** **Point** **8**  MRTS04 Cl. 14.2.1 | |  | |  | |  |  |  |
| 16 | Material for backfill shall be as shown on the drawings or as specified elsewhere in the ContractEarth Backfill Material shall comply with the requirements of Earth Fill Material Class A1, Class A2 or  Class B specified in Clause 14.2.2 except that 100% of the material shall pass 25.0 mm test sieve. | | | | | Test Results | **Witness** **Point** **5**  MRTS04 Cl. 19.3.1 | |  | |  | |  |  |  |
| 15 | Backfill material shall not be placed until culverts, structures, pipes, conduits, pirs and so on have been completed and inspectedm and any specified curing periods have elapsed. | | | | | Visual | **Hold** **Point** **14**  MRTS04 Cl.19.3.3 | |  | |  | |  |  |  |
| 16 | **Overlay** **material** within 300 mm of the structure, culvert, pipe, etc shall be general back fill Class A1, A2 or B material conforming to MRTS04 Cl.19.2.2 except 100% material shall pass 25.0mm test sieve. Else where material may contain stone sized up to 150mm maximum dimension | | | | | **Class** **A:** WPI < 1200, PI > 7,  % passing 0.075mm: 15 - 30  **Class** **B:** 1200 < WPI < 2200  **Class** **A/B:**  100% passing 25mm | **Witness** **Point**  MRTS04 19.3.1  19.2.2 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 17 | Compaction | | | | | Top 300mm below Subgrade Level ≥97%  Greater than 300mm below Subgrade Level ≥95%  (1 test / 50m3, min 1 per lot) | Test results  MRTS04  Table 15.3(b) MRTS03.1 Cl.1 | |  | |  | |  |  |  |
| 18 | Moisture content within ranges specified Rainfall Zone: HIGH | | | | | Class A: 70-100%  Class B: 80-110% | Test results  MRTS04  Table 15.3(c) | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
| STW |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| **Completion** | | | | | | | | | | | | | | | |
| 19 | A water test on a side inlet gully shall be carried out where the longitudinal grade is less than 1%.  Water shall be discharged into the side inlet gully to check uniformity of flow. After the flow has  ceased, water shall not pond to a depth of more than 5 mm in any section of the channel. | | | | | Visual | **Witness** **Point**  MRTS03 Cl. 21.6.2 | |  | |  | |  |  |  |
| 20 | CCTV inspection undertaken, report submitted and accepted by administrator. | | | | | Visual | **Hold** **Point** **3**  MRTS03 Cl11.3.5 | |  | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Culvert** **components**  **ITP** **3.11** **and** **structures**  **Rev** **01** **Precast** **or** **In** **Situ** |
| **Lot** **Number** | | | **Description** |  | | **Date** **Opened** |
|  |
| STW |  |  | **Date** **Started** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **14.07**  **(MRTS14** **March** **2022)**  **Rev** **01** | | |
| **Lot** **Number** | | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  |  | **Date** **Started** | | **Demolition** **and** **Removal** **of** **Road** **Furniture** | | |
|  | |
| **Location** | |  | | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Road furniture to be removed are as listed in MRTS14.1. | | | | | | Signange/REGP's and Lighting to be removed | Check Item  MRTS14.1 | |  | |  | |  |  |
| 2 | Existing road furniture demolished and removed in a manner which avoids damaging any adjacent work. | | | | | | Visual | Check Item  MRTS14 Cl.7.3 | |  | |  | |  |  |
| 3 | Resulting excavations are backfilled and finished so the area is in a safe and free-draining state. | | | | | | Visual | Check Item  MRTS14 Cl.7.3 | |  | |  | |  |  |
| 6 | The Constractor shall submit (7 days prior to work) a schedule of items of existing road furniture to be salvaged in accordance with the provisions of the design documentation | | | | | | Submission of Schedule | **Milestone**  MRTS14 Cl8.2 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **14.07**  **(MRTS14** **March** **2022)**  **Rev** **01** | | |
| **Lot** **Number** | | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  |  | **Date** **Started** | | **Demolition** **and** **Removal** **of** **Road** **Furniture** | | |
|  | |
| **Location** | |  | | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 7 | Dismantling and removal shall not commence until expiration of the seven day period | | | | | | Expiry of 7 days since submission of Schedule | **Hold** **Point** **1**  MRTS14 Cl8.2 | |  | |  | |  |  |
| 8 | The Constractor shall submit (7 days prior to work) a schedule of items of existing road furniture to be dismantled for re-erection in accordance with the provisions of the design documentation | | | | | | Submission of Schedule | **Milestone**  MRTS14 Cl9.2 | |  | |  | |  |  |
| 9 | Dismantling and removal shall not commence until epiration of the seven day period | | | | | | Expiry of 7 days since submission of Schedule | **Hold** **Point** **2**  MRTS14 Cl9.2 | |  | |  | |  |  |

Lot Number

# Logan City Council Blackspots Project

Description

Doval Project No. 24019 Client Project No. CE08, CE14, CE09

Date Opened Date Started



Date Finished

Inspection and Test Plan ITP 14.07

(MRTS14 March 2022)

Rev 01

Demolition and Removal of Road Furniture

Location

**Control** **Line** **Chainage** -

General Comments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.08**  **(MRTS04** **June** **2023)**  **Rev** **01** | | |
| **Lot** **Number** | | | **Description** | Embankment | | | | **Date** **Opened** | |
|  | |
| EMB |  |  | **Date** **Started** | | **Embankment** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Earthworks construction procedure shall be sumbitted to the Administrator at least seven days prior to commencing the  Works. | | | | | Construction Procedure Acceptance | **Hold** **Point** **1**  MRTS04 Cl. 5.2 | |  | |  | |  |  |
| 2 | Define lot size. | | | | | Normal : Max 2000m2  Reduced Level : Max 4000m2 | Check Item  MRTS04  App. A Table A.2 | |  | |  | |  |  |
| 3 | Earth Fill Material stockpile or source material results submitted to Administarator  Reference Stockpile Lot No. : | | | | | Stockpile Lot Acceptance | **Hold** **Point** **10**  MRTS04 Cl. 14.2.1 | |  | |  | |  |  |
| 4 | General fill material used for the construction of road embankments sourced from general excavations on site or imported, complies with General fill Class A1, A2 or B and is homogeneous. | | | | | Stockpile Lot MRTS04  Table 14.2.2 | Test reports  MRTS04 Cl. 14.3.1 | |  | |  | |  |  |
| 5 | **Compacted** **Layer** **Method:**  Fill material placed uniformly in layers. Uncompacted layer thicknesses;  -General Fill 150-300m  - Fill material in water-retaining embankments 150- 200mm  -Backfill except Sand 100-150mm  -Sand 150-300mm  Fill compacted to required density (by Characteristic Value) | | | | | AS1289.5.4.1 or AS1289.5.7.1  **Top** **300mm** **below** **Subgrade** **Level** **≥97%**  **Greater** **than** **300mm** **below** **Subgrade** **Level≥95%**  Normal: 1 per 500m2 (per layer), 4 per lot  Reduced Level: 1 per 1000m2 (per layer) or 4 per lot | Test reports  MRTS04 Cl. 15.3  Table 15.3(b) | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | **Compacted** **Layer** **Method:**  Embankment moisture ratio within ranges specified Rainfall Zone: HIGH | AS1289.5.4.1 or AS1289.5.7.1  Class A1/A2: 70 - 100  Class B: 80 - 110  Normal : 1 per 500m2/layer or 4 per lot  Reduced Level : 1 per 1000m2/layer or 4 per lot | Test results  MRTS04 Cl. 15.3  Table 15.3(c) |  |  |  |  |
| 7 | **Testing** **of** **Each** **Layer**  Each layer shall be tested to conform the requirements as per Clause 5.6 before placing the subsequent layers. | Testing after compaction on site Gradings: AS1289.3.6.1  PI: AS1289.3.3.1 or AS1289.3.3.2  WPI: Test Method Q252  1 per 1000m2(per Layer), 2 per Lot | **Witness** **Point** **5**  MRTS04 Cl. 15.3 |  |  |  |  |
| 8 | Embankment Foundations; Under all embankments within the job site to a depth of 1.2m the mimum CBR shall be 3% in-situ | CBR 3% | Check Item MRTS04.1 Cl 3 |  |  |  |  |
| 9 | Embankments - Earth fill material shall have the following properties: All materials - 0.1m depth below subgrade level (if applicable) - min CBR 2%, CBR soaked condition 4 day soaked, CBR target density 97%, CBR  target moisture content 100% | Min CBR 2%  CBR Target Density 97% CBR Target Moisture Content | Check Item MRTS04.1 Cl 9.1 |  |  |  |  |
| 10 | **Mechanical** **Interlock** **Method:**  Each layer rolled until no further permanent visible lowering of the surface occurs and layer thickness no greater than specified in Table 15.4 | Table 15.4 | **Witness** **Point** **6**  MRTS04 Cl15.4 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | Geotextile placed at interchange between compaction methods | Visual | Check Item  MRTS04 14.3.2 |  |  |  |  |
| 12 | Within Vertical Geometric Tolerance | Subgrade level ± 25 average ± 10  1 test /20m | Dip Sheet Records  MRTS04 Cl. 6, Cl.13.3.1  Table 6.3.1 |  |  |  |  |
| **General** **Comments** | | | | | | | |
|  | | | | | | | |
|  | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | **Inspection** **and** **Test** **Plan** **MRTS51** **(June** **2023)**  **ITP** **51.01** **Environmental** **Management** **Rev** **01** **Systems** | | | |
| **Lot** **Number** | | | |  | | | | | **Date** **Opened** |
|  |
|  |  |  | **Description** | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | | **Date** **Finished** |
|  |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | Inspection  SS/QA |  | Administrator | NCR | Related Lot # |
| 1 | Environmental Management Plan (Construction) EMP( C) submitted in accordance with General Conditions of Contract. | | | | | Submission of EMP | | **Milestone**  MRTS51 Cl. 6.3 | |  | | |  |  |  |
| 2 | Works under the Contract shall not start until the EMP( C) is assessed for suitability by the Administrator. | | | | | EMP Approved by Administrator | | **Hold** **Point** **1**  MRTS51 Cl. 6.3 | |  | | |  |  |  |
| 3 | Any amendments to the EMP( C) shall be submitted on a monthly basis and be assessed for suitability by the Administrator. | | | | |  | | **Hold** **Point** **2**  MRTS51 Cl. 6.4 | |  | | |  |  |  |
| 4 | Environmental site inspections to be conducted daily, against all licences, permits, approvals and other environmental performance requirements.  All Inspection to be documented with records being submitted to the Administrator on a monthly basis. | | | | | Visual | | Check Item  MRTS51 Cl. 7.1 | |  | | |  |  |  |
| 5 | Environmental records are to be included in the Quality Records under the Contract. Table 7.8 of this  Technical Specification identifies environmental record requirements.  Records and registers shall be  made available to the Administrator upon request. | | | | |  | | **Hold** **Point** **3** | |  | | |  |  |  |
| MRTS51 Cl. 7.8 | |
| 6 | The Contractor shall be responsible for the management of Indigenous and non-Indigenous cultural heritage artefacts, sites and values within the worksite | | | | | Visual | | Check Item  MRTS51 Cl. 8.4.1 | |  | | |  |  |  |
| 7 | The contractor shall at all times take measures to assist in minimising noise associated with construction activities so as not to cause environmental nuisance or harm. | | | | | Visual | | Check Item  MRTS51 Cl. 8.5.2 | |  | | |  |  |  |
| 8 | Project records shall include all noise monitoring results if required | | | | |  | | Check Item  MRTS51 Cl. 8.5.3 | |  | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan** **MRTS51** **(June** **2023)**  **ITP** **51.01** **Environmental** **Management** **Rev** **01** **Systems** | | | |
| **Lot** **Number** | | | |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Description** | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 9 | Condition survey may need to be conducted prior to commencement of activities as per Annexure MRTS51.1 Cl. 5.5 Copies of condition survey to be forward to Administrator 5 working days before any works that cause vibration start. | | | | | Visual (Survey Recorded) | Check Item  MRTS51 Cl. 8.6.2.3 | |  | | |  |  |  |
| 10 | Project records that show compliance with the VMP and shall include all noise monitoring results (if required) | | | | |  | Check Item  MRTS51.1 Cl. 8.6.2 | |  | | |  |  |  |
| 11 | The contractor shall at all times take reasonable and practicable management measures to avoid cuasing environmental nuisance or harm due to air quality. Burning of material shall not be permitted | | | | | Visual | Check Item  MRTS51 Cl. 8.7.2 | |  | | |  |  |  |
| 12 | The contractor shall be responsible for the management of acid Sulphate Soils and shall address the requirements of MRTS04 General earthworks including the requirements concerning the management of acid sulphate soils | | | | | Visual | Check Item  MRTS51 Cl. 8.8 | |  | | |  |  |  |
| 13 | The contractor shall be responsible for the management of contaminated sites ( contaminated soils, waste dumps, unexploded ordinances ) within the worksite . The contractor shall address the requirements of MRTS04 General earthworks including the requirements concerning the management of acid sulphate soils | | | | | Visual | Check Item  MRTS51 Cl. 8.9.1 | |  | | |  |  |  |
| 14 | The contractor shall take all due care to not harm native fauna. Areas of significance and related management requirements are stated in Cl. 7 of Annexure MRTS51.1. Contact details for emergency wildlife care shall be included on project emergency contact list. | | | | | Visual | Check Item  MRTS51 Cl. 8.10.1 | |  | | |  |  |  |
| 15 | No waste or litter shall be burnt on site. No waste or litter shall be buried on site unless approved by the Administrator and the administering authority. | | | | | Visual | Check Item  MRTS51 Cl. 8.13.2 | |  | | |  |  |  |
| 16 | The contractor shall be responsible for the management of all chemicals and fuels within the worksite so as not to cause environmental nuisance or harm. The contractor shall ensure spill kits response equipment are available on site for use in emergency | | | | | Visual | Check Item  MRTS51 Cl. 8.14.1 | |  | | |  |  |  |

**Lot** **Number**

## Logan City Council Blackspots Project

**Description**

**Doval** **Project** **No.** **24019** **Client** **Project** **No.** **CE08,** **CE14,** **CE09**

**Date** **Opened**



**Date** **Started**

**Inspection** **and** **Test** **Plan** **MRTS51** **(June** **2023)**

**Location**

**Control** **Line** **Chainage** -

**Date** **Finished**

**ITP** **51.01**

**Rev** **01**

**Environmental** **Management** **Systems**

**General** **Comments**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **MRTS52** **(November** **2021)**  **52.01** **Rev** **01** **Erosion** **and** **Sediment** **Control** | | | |
| **Lot** **Number** | | | | Environmental Management | | | | **Date** **Opened** | |
|  | |
| EMP |  |  | **Description** | **Date** **Started** | |
|  | |
| **Location** | | Chandler Site | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS CQR to Verify Administrator | | | | | NCR | Related Lot # |
| 1 | Clearing and grubbing (or the use of the area for stockpiles) for that section shall not start until the ESCP for that section is assessed as suitable by the Administrator. | | | | | Approval of ESCP by Administrator | **Hold** **Point** **1**  MRTS52 Cl. 6.1 | |  | |  | |  |  |  |
| 2 | Prior to initial earthworks operations, the Contractor must install erosion and sediment controls associated with drainage paths flowing through the works area. | | | | | In accordance with approved ESCP. | **Hold** **Point** **2**  MRTS52 Cl. 7.1 | |  | |  | |  |  |  |
| 3 | Releases from site must not cause scour at the area of discharge.  Water must only be released at the  discharge point nominated within the ESCP and as deemed acceptable by the Administrator. | | | | |  | Check Item  MRTS52 Cl. 8.1 | |  | |  | |  |  |  |
| 4 | The Contractor shall install a proprietary rain gauge and keep record of the rainfall depth of each rain event | | | | |  | Check Item  MRTS51 Cl. 8.2.3.2.1 | |  | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.06**  **MRTS04** **(June** **2023)**  **Rev** **01** | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | | **General** **Excavation** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Where Unsuitable Material (in accordance with the provisions of Cl. 9.2) or potentially Unsuitable Material is encountered on site, the Contactor shall, before proceeding to remove or cover such material, notify the Administrator. Once Identified the Unsuitable material shall be removed and disposed of in accordance with the provisions of Cl.11 | | | | | Visual | **Hold** **Point** **4**  MRTS04 Cl. 9.4 | |  | |  | |  |  |
| 2 | When the level of excavation has reached subgrade level, the Contractor shall carry out the requirements of the relevant provisions of Clause 18.3.3 and cease excavation until the subgrade treatment type has been determined in accordance with Clause 18.3.3. | | | | | Visual | **Hold** **Point** **8**  MRTS04 Cl. 13.3.2.1 | |  | |  | |  |  |
| 3 | Excavation completed to the shapes, lines and dimensions and other requirements shown on the drawings and tolerances specified | | | | | Survey | Check Item  MRTS04 Cl.13.3.1, Cl. 6 | |  | |  | |  |  |
| 4 | Protection of excavations in accordance with MRTS04 Cl.13.3.3.3 | | | | | Visual | Check Item  MRTS04 Cl. 13.3.3.3 | |  | |  | |  |  |
| 5 | Dewatering of excavations shall comply with requirements of EMP | | | | | Visual | Check Item  MRTS04 Cl. 13.3.8 | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.06**  **MRTS04** **(June** **2023)**  **Rev** **01** | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** | |
|  | |
|  |  |  | **Date** **Started** | | **General** **Excavation** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 6 | Batters in cuttings shall be free of loose material and shall be trimmed neatly to the shapes specified. | | | | | Visual | Check Item  MRTS04 Cl. 16.1 | |  | |  | |  |  |
| 7 | If any section of a batter has been over-excavated beyond the tolerance limit specified, the Contractor shall re-form the batter to the average batter slope shown on the drawings, using an approved rectification method | | | | | Visual | Check Item  MRTS04 Cl. 13.3.2.4 | |  | |  | |  |  |
| **General** **Comments** | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification  (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** **ITP** **04.02**  **Rev** **01** | | |
| **Lot** **Number** | | | **Description** | Ground Surface Treatment | | | | **Date** **Opened** | |
|  | |
| GST | 1 | 001 | **Date** **Started** | | **MRTS04** **Ground** **Surface**  **(June** **2023)** **Treatment** | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** 0 - 0 | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS Administrator | | | | NCR | Related Lot # |
| 1 | Testing for acid sulfate potential and reporting of test results shall be carried out on all excavated material and exposed cuttings on the Site which could reasonably be expected to have a possible acid sulfate potential. | | | | | Field pH testing As per National Acid Sulfate Soils Guidance | **Hold** **Point** **5**  MRTS04 Cl. 10.1.4  Table A2 | |  | |  | |  |  |
| 2 | Ground Surface Treatment carried out on all areas beneath road embankment/pavement (except where special treatment or subgrade preparation is required) | | | | | Visual | Check Item  MRTS04 Cl. 12.2.1.1 | |  | |  | |  |  |
| 3 | Holes and localised depressions filled with similar material to the surrounding ground surface or material specified and compacted in accordance with Cl.  15 | | | | | Visual | Check Item  MRTS04 Cl. 12.2.1.2 | |  | |  | |  |  |
| 4 | Where Unsuitable Material or potentially Unsuitable Material is encountered on the Site, the Contractor shall, before proceeding to remove or cover such material, notify the Administrator and provide any test results required to justify such a claim | | | | | Visual | **Hold** **Point** **4**  MRTS04 Cl. 9.4 | |  | |  | |  |  |
| 5 | Existing surface scarified >150mm deep and compacted in accordance with Cl. 15. If material is too wet or too dry to compact and does not classify as unsuitable, moisture content adjusted to a maximum depth of 300mm using appropriate methods. Material below this depth shall be assesed under Clause 9.2. | | | | | Visual | Check Item  MRTS04 Cl. 12.2.1.3 | |  | |  | |  |  |
| 6 | Relative Compaction - AS 1289.5.4.1 or AS 1289.5.7.1  After any clearing and grubbing, stripping of Topsoil and replacement of Unsuitable Material, the exposed ground surface on which an Embankment is to be placed shall, as a minimum, be scarified and re-compacted to a depth of at least 150 mm | | | | | CV 95% minimum - 1 tests per 500 m2 (min 1 per lot) |  | |  | |  | |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan** **ITP** **04.02**  **Rev** **01** |
| **Lot** **Number** | | | **Description** | Ground Surface Treatment | | **Date** **Opened** |
|  |
| GST | 1 | 001 | **Date** **Started** | **MRTS04** **Ground** **Surface**  **(June** **2023)** **Treatment** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** 0 - 0 | | **Date** **Finished** |
|  |
|  | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Installation** **of** **Steel**  **(March** **2022)** **beam** **Guardrail** **and**  **ITP** **4.20**  **Rev** **01** **End** **Treatments** | | | |
| **Lot** **Number**  GR | **Description** |  | | | | | | **Date** **Opened** |
|  |
| **Date** **Started** |
|  |
| **Location** | |  | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** |
|  |
| No. | Activity Description | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | Inspection  PE/WS/SS/CQR | | | Administrator | NCR | Related Lot # |
| 1 | Manufacture of steel beam guardrail post, panel components and end treats are maufactured by an approved manufacturer. | | | Approved Manufacturer | | Check Item  MRTS14 Cl. 20.2 | |  | | | |  |  |  |
| 2 | Steel beam guardrail components and end treatments shall only be supplied by an approved supplier. | | | Approved Supplier | | Check Item  MRTS14 Cl 20.3 | |  | | | |  |  |  |
| 3 | Hexagonal head bolts and nuts shall be manufactured to the dimensions shown on Standard  Drawings, and tested in accordance with MRTS78.  Mushroom head (C) bolts shall be manufactured to the details shown on Standard Drawing 1479  Circular washers shall conform to the requirements of AS 1237. | | | Test Certificates | | Check Item  MRTS14 Cl 20.4.7 | |  | | | |  |  |  |
| 4 | All panels, steel posts and blockouts shall be batch stamped during the manufacturing process with manufacturer's ID, Metal grade and thickness, and batch number. Single batch <2000 items. | | | Visual | | Check Item  MRTS14 Cl20.4.2.2 Cl. 20.4.3.2 | |  | | | |  |  |  |
| 5 | All steel components shall be hot-dipped galvanised after manufacture in accordance with the  requirements of AS/NZS 4680. | | | Visual | | Check Item  MRTS14 Cl20.4.1 | |  | | | |  |  |  |
| 6 | All the steel manufacturer material test certificates shall be supplied to the Administrator. The test certificates shall show the full chemical composition including the carbon equivalence, and mechanical test results for yield, tensile and elongation | | | Test Certificates | | **Hold** **Point** **7**  MRTS14 Cl20.4.5 | |  | | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Installation** **of** **Steel**  **(March** **2022)** **beam** **Guardrail** **and**  **ITP** **4.20**  **Rev** **01** **End** **Treatments** | | | |
| **Lot** **Number**  GR | **Description** |  | | | | **Date** **Opened** |
|  |
| **Date** **Started** |
|  |
| **Location** | |  | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 7 | If required, the Administrator shall randomly select two post and two panels from each batch number for audit testing. | | | Visual | **Witness** **Point**  MRTS14 Cl20.4.6.1 | |  | | |  |  |  |
| 8 | Installation shall not commence until the Administrator has confirmed the materials tested match the material test certificates supplied for the batch of guardrail components. | | | Visual | **Hold** **Point** **8**  MRTS12 Cl20.4.6.3 | |  | | |  |  |  |
| 9 | A list of component parts and fabrication drawings defining the dimensions and weld sizes of the various components and the grade of materials and relevant standards with which the component materials are required to comply shall be provided to the Administrator prior to commencement of installation of the device or system. | | | Visual | **Hold** **Point** **11**  MRTS14 Cl21.2 | |  | | |  |  |  |
| 10 | Once the initial set out is complete the Administrator will determine the design appropriateness of the  set out with regard to the actual site conditions | | | Visual | **Hold** **Point** **1**  MRTS01 Cl.8 | |  | | |  |  |  |
| 11 | Dial before you dig consulted and services located where required prior to excacation or driving of posts | | | Visual | Check Item | |  | | |  |  |  |
| 12 | Steel Beam guardrail installed in the locations shown in the design documentation and in accordance with the Standard Drawings. | | | Visual | Check Item  MRTS14 Cl20.6.1 | |  | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Installation** **of** **Steel**  **(March** **2022)** **beam** **Guardrail** **and**  **ITP** **4.20**  **Rev** **01** **End** **Treatments** | | | |
| **Lot** **Number**  GR | **Description** |  | | | | **Date** **Opened** |
|  |
| **Date** **Started** |
|  |
| **Location** | |  | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 13 | A proprietary road safety barrier system and/or end treatment shall be installed as shown in and  required by the design documentation, and in accordance with the requirements of the installation  manual | | | Visual | Check Item  MRTS14 Cl.21.4.1 | |  | | |  |  |  |
| 14 | **Public** **Domain** **(Departure** **Terminal):** Soil plate on type 2 departure terminal shall not be ommitted | | | Visual | Check Item  MRTS14 Cl20.6.3 | | N/A | | |  |  |  |
| 15 | Delinerators installed on steel beam guardrail in accordance with the MUTCD Part 2 | | | Visual | Check Item  MRTS14 Cl20.6.5 | |  | | |  |  |  |
| 16 | Installed within Geometric Tolerances | | | Post Verticaloty: ± 15mm Post Height: ± 10mm Rail Height: ± 10mm | Check Item  MRTS14 Cl21.4.6.2 | |  | | |  |  |  |
| 17 | Adminstrator accepts guardrail installation as per the design documentation | | | Visual | **Hold** **Point** **10**  MRTS14 Cl 20.6.7 | |  | | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | |
| Rail Post CN | | | | | | | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS14** **Installation** **of** **Steel**  **(March** **2022)** **beam** **Guardrail** **and**  **ITP** **4.20**  **Rev** **01** **End** **Treatments** |
| **Lot** **Number**  GR | **Description** |  | | **Date** **Opened** |
|  |
| **Date** **Started** |
|  |
| **Location** |  | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
|  | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Kerb** **and** **Channel** **ITP** **3.18**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Kerb and Channel | | | | **Date** **Opened** | |
|  | |
| KC | 1 | 001 | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | Check Item  Reference | | Inspection  PE/WS/SS CQR to Verify Administrator | | | | | NCR | Related Lot # |
| 1 | Concrete shall be in accordance with the requirements of MRTS70 Concrete. | | | | | Check and Verify | Check Item  MRTS03  Clause 5.4 | |  | |  | |  |  |  |
| 2 | Cast-in-place concrete kerb, channel, and kerb and channel, including kerb crossings, shall be provided in the locations specified in the drawings and in accordance with SD1033 | | | | | Check and Verify | Check Item  SD1033 | |  | |  | |  |  |  |
| 3 | Where insitu material on or against which kerbs or channels are to be constructed is other than rock, the material shall be compacted as for material at the bottom of excavations in accordance with MRTS04 General Earthworks. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Kerb** **and** **Channel** **ITP** **3.18**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Kerb and Channel | | | | **Date** **Opened** | |
|  | |
| KC | 1 | 001 | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 4 | Manually-placed concrete shall be in accordance with Clause 6.1. Exposed surfaces shall have a steel-trowelled finish. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |
| 5 | Where kerb, channel and/or kerb and channel is constructed by an extrusion process, concrete shall comply with a maximum aggregate size not exceeding 20 mm and a minimum of 320 kg of cement per cubic metre of concrete.  The extrusion machine shall be fitted with a tamper and an automatic control which allows adjustment of the position of the forming mould while the machine is in operation. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |
| 6 | The finished kerb, channel and/or kerb and channel shall be well compacted and shall have exposed surfaces free from voids and honeycombing. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Kerb** **and** **Channel** **ITP** **3.18**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Kerb and Channel | | | | **Date** **Opened** | |
|  | |
| KC | 1 | 001 | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 7 | Expansion joints shall be installed at regular intervals not exceeding 20 m. The joints shall be constructed by installing 6 mm maximum thickness compressible packing in the full cross-section of the kerb, channel and/or kerb and channel. Where relevant, joints shall be located to line up with expansion joints in adjacent structures. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |
| 8 | Contraction joints between expansion joints shall be installed at regular intervals not exceeding 5 m.  The joints shall be constructed by forming grooves 40 mm deep and not more than 6 mm wide in all exposed surfaces of the kerb, channel and/or kerb and channel. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.3 | |  | |  | |  |  |  |
| 9 | Concrete shall be cured for a period not less than seven days before any other roadworks operations are carried out adjacent to the kerb, channel or kerb and channel. | | | | | Check and Verify | Survey Results  MRTS03  Clause 18.3 | |  | |  | |  |  |  |
| 10 | The horizontal and vertical alignments of kerb, channel and/or kerb and channel shall not vary from those specified by more than ± 10 mm. | | | | | Check and Verify | Check Item  MRTS03  Clause 18.4 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Kerb** **and** **Channel** **ITP** **3.18**  **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Kerb and Channel | | | | **Date** **Opened** | |
|  | |
| KC | 1 | 001 | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 11 | Where the longitudinal grade of channels is less than 1%, a test shall be carried out by discharging water into the channel to check uniformity of flow along the channel. After the flow has ceased, water shall not pond to a depth of more than 5 mm in any section of the channel. The test shall be carried out as soon as possible after the concrete in the channel has hardened. | | | | | Check and Verify | **Witness** **Point**  MRTS03  Clause 18.5 | |  | |  | |  |  |  |
| **General** **Comments** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | | - | |  | **Date** **Finished** |
|  |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | Inspection  PE/WS/SS | |  | Client/Rep | NCR | Related Lot # |
| 2 | Soil Management Plan prepared in accordance with Form A of Appendix MRTS16. Construction and regular Updates submitted to the Administrator for approval | | | | | Written Acceptance | | **Hold** **Point** **1**  MRTS16 Cl 5.2.1 | |  | | | |  |  |  |
| 1 | Non-Potable Water Plan and permits submitted to the Administrator | | | | | Plan | | **Hold** **Point** **2**  MRTS16 Cl 5.2.2 | |  | | | |  |  |  |
| 3 | Seed Supply Proposal submitted to the Administrator within 30 days of Possession of Site | | | | | Plan | | **Hold** **Point** **3**  MRTS16 Cl 5.3.1 | |  | | | |  |  |  |
| 4 | Plant Supply Proposal submitted to the Administrator within 30 days of Possession of Site | | | | | Plan | | **Hold** **Point** **5**  MRTS16 Cl 5.3.3 | |  | | | |  |  |  |
| 5 | Plant Harvesting Proposal submitted to the Administrator prior to harvesting plants | | | | | Plan | | **Hold** **Point** **6**  MRTS16 Cl 5.3.4 | |  | | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Materials** | | | | | | | | | | | | | | |
| 6 | Materials imported to Site shall be free of prohibited or restricted biosecurity matter | | | | | Visual | Check Item  MRTS16  Cl 7 | |  | | |  |  |  |
| 7 | Materials are stored to ensure no deterioration or contamination occurs, including the potential for environmental harm | | | | | Visual | Check Item  MRTS16  Cl 7 | |  | | |  |  |  |
| 8 | Materials; including pesticides, soil amelioration agents, soil, seeding, turf, mulch, matting, plants water, plant bed edging and irrigation systems, comply with requirements and specifications set out in MRTS16 Clause 7 where applicable | | | | | Visual | Check Item  MRTS16  Cl 7 | |  | | |  |  |  |
| 9 | Containerised plants and ex ground stock in accordance with MRTS16 Cl. 7.6.2 | | | | | Visual | Check Item  MRTS16 Cl 7.6.2 | |  | | |  |  |  |
| 10 | The extent and types of vegetation treatments are installed as specified in the contract and/or shown on the drawings | | | | | Visual | Check Item  MRTS16  Cl 8 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Subsoil** **and** **Topsoil** **Amelioration** | | | | | | | | | | | | | | |
| 11 | Site is weed free prior to ground preparation operations | | | | | Visual | **Witness** **Point**  MRTS16 Cl 8.3 | |  | | |  |  |  |
| 12 | Administrator notified at least 3 days before each of the following:  application and incorporation of amelioration agents ripping  cultivation roughening | | | | | Visual | **Witness** **Point** **3,**  **4,** **5**  MRTS16 Cl 8.1.1  Cl 8.4.1.1  Cl 8.4.1.2  Cl 8.4.1.3  Cl 8.4.1.4 | |  | | |  |  |  |
| 14 | Amelioration agents, where specified in the Soil Management Plan – Construction, shall be spread  over the subsoil surface at the specified rates prior to subsoil operations | | | | | Visual | **Hold** **Point** **8**  Cl 8.4.1.1 | |  | | |  |  |  |
| 15 | Manufactured site topsoil shall be in accordance with Form D of MRTS 16 Appendix prior to being used. | | | | | Visual | **Hold** **Point** **7**  MRTS16 Cl 8.2.1 | |  | | |  |  |
|  | The Contractor shall give at least three days notice before | | | | |  | **Witness** **Point** **6** | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| 16 | installation of topsoil. Topsoil installed evenly over the surface, within 3 days of subsoil preparation and Topsoil shall be spread to the depths described in the relevant vegetation works operation, and allow for settlement after installation. | | | | | Visual | MRTS16 Cl 8.4.2.1 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Grass** **seeding,** **Hydromulching** **and** **Turfing** | | | | | | | | | | | | | | |
| 17 | **Turf** shall be installed within two days from the completion of the topsoil operations, Turf shall be installed by:   1. spreading fertiliser over the topsoil and raking the surface smooth 2. to the prepared surface that has been moistened with a solution of water and wetting agent 3. on the day turf is delivered to site 4. by laying rolls parallel to the contour, in a staggered brick pattern, and 5. by watering, within 2 hours of installation, with a solution of water and wetting agent until the   topsoil layer is moist. Watering shall be applied in multiple applications to ensure surface  erosion does not occur. | | | | | Visual | Check Item  MRTS16 Cl 8.5.2 | |  | | |  |  |  |
| 18 | **Turf** installed within 2 days of topsoil, within 24 hours of delivery and in accordance to Table 8.5.2 with initial watering on the day of installation and at least 25L/m2 | | | | | Visual | Check Item  MRTS16 Cl 8.5.2 | |  | | |  |  |  |
|  | For seeding operations, the Contractor shall prepare a sample instillation to provide an agreed quality control for further instillations. The sample instillation shall be established as per Cl 8.5.1 | | | | | Visual | **Hold** **Point** **9**  Cl 8.5.1 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
|  | All seed, wetting agents and fertilisers shall be brought on site in seperately labelled containers and mixed on-site to allow verification of materials and quanitities | | | | | Visual | **Hold** **Point** **7**  Cl 8.5.1 | |  | | |  |  |  |
|  | **Broadcast** **seeding** installed as per Cl 8.5.1.2 | | | | |  | Check Item  Cl 8.5.1.2 | |  | | |  |  |  |
|  | **Hydrumulch** bonded fibre matrix installed as per Cl 8.5.1.4 | | | | |  | Check Item  Cl 8.5.1.4 | |  | | |  |  |  |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Establishment,** **Monitoring** **and** **Finalisation** | | | | | | | | | | | | | | |
| 19 | Commencement of the Establishment Period | | | | | Issue of Certificate of  Commencement of the Establishment Period by the Administrator | **Milestone**  MRTS16 Cl 9.1 | |  | | |  |  |  |
| 20 | The Contractor shall care for the installed vegetation treatments to ensure their long term sustainability and to meet the completion criteria of Clause 9.1.2 | | | | | Visual | Check Item  MRTS16 Cl 9.1.1 | |  | | |  |  |  |
| 21 | Commencement of the Monitoring Period | | | | | Issue of Certificate of Commencement of the Moitoring Period by the Administrator | **Milestone**  MRTS16 Cl 9.2 | |  | | |  |  |  |
| 22 | All Monitoring operations; including, watering, fertilising, weed, pest and disease control, mowing, slashing and brush cutting, pruning, and repair and reinstallation of failed plants, comply with Clause 9.2.1 | | | | | Visual | Check Item  MRTS16 Cl 9.2.1 | |  | | |  |  |  |
| 23 | Certificate of finalisation of landscape and revegetation works monitoring period issued | | | | | Issue of Certificate of Completion of the Moitoring Period by the Administrator | **Milestone**  MRTS16 Cl 9.2.2 | |  | | |  |  |  |

1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Lot Records is in accordance with Specification (only applicable when lot ITP is being audited) | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS16** **July**  **2017** **Landscape** **and**  **16.01** **Revegetation** **Works**  **Rev.01** |
| **Lot** **Number** | | | **Description** |  | | **Date** **Opened** |
|  |
|  |  |  | **Date** **Started** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - |  | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | PE/WS/SS | | Inspection  CQR to Verify | | Administrator | | NCR | Related Lot # | | |
| 1 | **Construction** **Procedure:**  Documented procedure shall be prepared for all construction processes as defined in Clause 6 of MRTS50 and shall be submitted for approval at least 14 days prior to commencement of lightly bound pavement works (No work shall commence until accepted by the Administrator) | | | | | Acceptance | | **Hold** **Point** **1** **Milestone** | |  | | |  | |  | |  |  |  |  |
| Clause 5.2 MRTS10 | |
| 2 | **Material** **Requirements** **-** **Unbound** **Pavement** **Material**  The Contractor shall not incorporate unbound pavement material into the works unless it has been demonstrated that the unbound pavement material lot conforms fully to the requirements of MRTS10. All conformance results shall be no more than six months old. | | | | | Acceptance | | **Hold** **Point** **2** | |  | | |  | |  | |  |  |  |  |
| MRTS10  Clause 6.1.1 | |
| 3 | **Mix** **Design** **Report:**  A mix design must be submitted at least 14days before mixing operations commence. Construction of the lightly bound pavement layer shall not proceed until a conforming mix design (refer to Clause 7.2) has been deemed suitable and accepted by the Administrator. | | | | | Acceptance | | **Hold** **Point** **3** | |  | | |  | |  | |  |  |  |  |
| MRTS10  Clause 7.1 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 4 | **Moisture** **Content**  The Contractor shall nominate upper and lower moisture content limits as part of their Mix Design that will ensure:   1. there is adequate moisture to achieve the specified compaction standard 2. the constructed lightly bound pavement layer is trafficked in accordance with requirements of Clause 8.2.11, and 3. the lightly bound pavement material does not exceed the optimum moisture content (OMC), determined in accordance with Test Method Q142A. | | | | | Testing - AS1289.2.1.1 1 per 500m2  4 per lot | Test Report | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.5  Clause 9.4.8 Table A3 | |
| 5 | **Construction** **-** **Trial** **Pavement**  Unless otherwise agreed by the Administator, a trial of the manufacturing and laying operations shall be caried out prior to commencement of the work.  The trial pavement shall be located within the site and be not less than 1000m2. It shall determine the characteristics highlighted in Clause 8.1 MRTS10. The trial may be incorporated into the permanent works at the Administrators discression.  The Contractor is to undertake the material and construction compliance testing nominated in Clause 8.1 and the finished pavement complies with the technical specification of MRTS10. If deemed not conforming, further trialing shall be undertaken. | | | | | Visual & Check | **Witness** **Point** **1**  **/Hold** **Point** **4** | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.1 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 6 | **Material** **Compliance** **Testing**  Each supply lots shall be sampled and tested for compliance in accordance with the testing frequencies specify in MRTS05. No material shall be incorporated into the work unless it has demonstrated compliance fully with the requirements of MRTS05 and MRTS10  Material Type : | | | | | | MRTS05  Cl. 7, Table A1 MRTS10  Cl.6, Table A2 | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS05  Clause 7 | |
| Material Stockpile Lot Ref: | | | |  | |
| 7 | **Equipment**  Equipment as specified in approved construction procedure | | | | | | Construction Procedure Approval | Contract Notice | |  | |  | |  | |  |  |  |  |
| MRTS10 Cl.8.2.1.4 | |
| 8 | **Weather** **Conditions**  CMB material shall not proceed when:   1. air temperature is less than 10°C or greater than 40°C 2. during rain or when rain is likely to fall during placement 3. evaporation rate due to the combined effect of air temperature, wind and relative humidity may result   in excessive drying of the CMB | | | | | | Check & Verify | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.4 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 9 | **Allowable** **Working** **Time**  Define as the maximum period between mixing the modifying binder into the unbound granular material and the completion of compaction.  The allowable working time for the plant-mixed lightly bound pavement is to be the lesser of the following   1. Working time determined in accordance with Test Method Q136A 2. Four hours | | | | | Monitor | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.3 | |
| 10 | **Construction** **Joints**  Deemed to be fresh when the material compacted on each side of the joint has been modified, placed and compacted within the allowable working time.  In multi layer of lightly bound pavement, longitudinal joints of each layer shall be offset from the underlying layer by a minimum of 150mm | | | | | Check & Verify | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.10 | |
| 11 | **Fresh** **Joints**  Where fresh joint between adjoining or adjacent run is to be compacted, the outside 300mm of material from the first run shall be left uncompacted until the adjacent run is ready for compaction. | | | | | Check & Verify | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10 Cl. 8.2.10.1 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 12 | **Other** **(Cold)** **Joints**  Joints that are not fresh shall be cut back to form a neat, clean vertical face.  Cutback distance shall be a minimum of 150mm and before placing the adjoining layer or adjacent layer, the cut back edge of the existing layer shall have a cement/water slurry at a rate of 2kg/m2. The slurry cement/water ratio to be 0.6 and 0.7. | | | | | Check & Verify | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10 Cl. 8.2.10.2 Cl.6.4 | |
| 13 | **Curing** **of** **CMB** **Layers**  The surface of an existing layer of lightly bound pavement shall be water cured until placement of the next layer and/or bituminous surfacing is applied. Unless approved, within 7 days of placement the lightly bound pavement shall be covered by a subsequent layer and/or bituminous treatment. Water curing shall be completed in accordance with Cl. 8.2.1.5 | | | | | Check & Verify | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.9 | |
| 14 | **Trafficking** **of** **CMB** **Layers** **during** **Construction** Unless approved by the Administrator, lightly bound pavement layers shall not be opened to either construction traffic or general traffic until the lot has been tested for, and passes proof rolling (Cl 9.4.10) | | | | | Check | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.2.11 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 15 | **Compaction** **Standard**  The characteristic value of relative compaction shall not be less than 100% standard, except for the upper most layer of lightly bound base which shall not be less than 102% standard | | | | | 102% standard upper most layer  100% standard lower layers (1/500m2, min 4/lot) (1/1000m2, min 4/lot) | Test Report | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.3.4 | |
| 16 | **UCS**  Unconfined compressive strength between 1 - 2MPa | | | | | UCS 1-2MPa (1 per lot) | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 9.4.9 | |
| 17 | **Stabilising** **Agent** **Content**  The actual content of stabilising agent for each lot shall be represented by both the:   1. minimum characteristic value of the actual content of stabilising agent, and 2. maximum characteristic value of the actual content of stabilising agent.   When UCS tests are being undertaken, the sample being used must also be tested for stabilising agent content. | | | | | Target content minus MPV Min. test 1 per lot | Check Item | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 9.4.6 | |
| 18 | **Geometrics** **-** **Horizontal** **Tolerances**  Shall not be more than ± 50mm except for the following:   1. Pavement edges not adjacent to any other part of the pavement and not adjacent to any structure or adjoining road, transverse tolerance shall be -50mm   + 250mm   1. Where alignment of the pavement with an existing structure is necessary, the new work shall be joined neatly to the existing in a smooth manner | | | | | -50mm/+250mm (1 per 20m) | Survey Report | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.3.5.2 | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan** | | | | | | |
| **Lot** **Number** | | | | Lightly Bound | | | | **Date** **Opened** | |
|  | |
| LTB | 1 | 001 | **Description** | **Date** **Started** | | **MRTS10**  **November** **2022**  **10.01** **Rev** **01** | | **Plant** **Mixed** **Lightly** **Bound** **Pavements** | | | | |
|  | |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** | |
|  | |
| 19 | **Geometrics** **-** **Primary** **Vertical** **Tolerances** The vertical tolerances specified in Table 8.3.5.3 shall apply or:   * the surface level measured at any point on the surface of any layer. * The average total thickness of the constructed course compared to the specified total thickness. | | | | | ±15mm for layers that have been hard cut  ±10mm for all other layers Layer thickness -20mm,  +unspecified  (1 per 20m at shoulders, lane lines & grade changes) | Survey Report | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.3.5.3 | |
| 20 | **Geometrics** **-** **Deviation** **from** **a** **Straight** **-** **Edge** Deviation of a straight edge place anywhere on the surface shall not exceed 5mm over 3m | | | | | 5mm over 3m  (1 per 20m and at joints) | Check Sheet | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.3.6 | |
| 21 | **Geometrics** **-** **Crossfall**  Shall not differ from the designed crossfall by more than 0.5% absolute. | | | | | Check | Survey Report | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 8.3.5.4 | |
| 22 | **Proof** **Rolling**  The perceptible surface deformation test (Q723) shall be undertaken in the presence of the Administrator | | | | | Visual | **Witnesss** **Point** | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 9.4.10 | |
| 23 | **Acceptance**  No CMB layer shall be covered by a subsequent layer of pavement or surfacing untill all testing has been completed (other than UCS), the surface finish comlies with Clause 8.2.8 and the layer presented to the Administrator. | | | | | Acceptance | **Hold** **Point** **5** | |  | |  | |  | |  |  |  |  |
| MRTS10  Clause 9.5.1 | |

# Logan City Council Blackspots Project

Lot Number

Doval Project No. 24019 Client Project No. CE08, CE14, CE09

Date Opened



**Inspection** **and** **Test** **Plan**

Location

LTB

1 001

Description

Lightly Bound

Control Line Chainage -

Date Started Date Finished

**MRTS10**

**November** **2022**

**10.01** **Rev** **01**

## Plant Mixed Lightly Bound Pavements

General Comments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.**  **Client** **Project** **No.** | | **24019**  **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Removal** **of** **Existing** **Drainage** **ITP** **3.09** **Structures** **and** **Concrete** **Slabs** **Rev** **01** | | | |
| **Lot** **Number** | | | **Description** | Demolition Of Drainage Structures | | | | | **Date** **Opened** | |
|  | |
| DEM |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | | PE/WS/SS | Inspection  CQR to Verify | | | Administrator | NCR | Related Lot # |
| 1 | Culverts and culvert end structures shall be removed or demolished where specified in the drawings. | | | | | Culvert Removal - Per Culvert | | Check Item  MRTS03 Cl 9.2 | |  | |  | |  |  |  |
| 2 | If existing culvert components are to be removed and re-used, they shall be removed and stacked in a manner which avoids damaging the components. | | | | | Visual - Per Culvert | | Check Item  MRTS03 Cl 9.2 | |  | |  | |  |  |  |
| 4 | Removed components which are not to be salvaged, nor reused, shall be removed from the Site and disposed. | | | | | Visual - Per Culvert | | Check Item  MRTS03 Cl 9.2 | |  | |  | |  |  |  |
| 3 | Excavations carried out and the void left by the removed culvert or end structure shall be backfilled to reinstate the area to a safe and free draining state. | | | | | Visual - Per Culvert | | Check Item  MRTS03 Cl 9.2 | |  | |  | |  |  |  |
| 6 | Existing kerbs, channels, kerbs and channels, kerb crossings and concrete slabs shall be removed or demolished where specified in the drawings. | | | | | Visual - Per Kerb | | Check Item  MRTS03 Cl 9.4 | |  | |  | |  |  |  |
| 7 | Any Kerb and Channel or concrete slab to be removed is saw cut at removal extents or removed to existing joint (or removed in its entirety) where specified in the drawings and no damage  shall occur to adjacent work | | | | | Visual | | Check Item  MRTS03 Cl. 9.4 | |  | |  | |  |  |  |
| 8 | Kerb excavations shall be backfilled to flush with the surrounding area. | | | | | Visual | | Check Item  MRTS03 Cl. 9.4 | |  | |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS03**  **(July** **2021)** **Removal** **of** **Existing** **Drainage** **ITP** **3.09** **Structures** **and** **Concrete** **Slabs** **Rev** **01** |
| **Lot** **Number** | | | **Description** | Demolition Of Drainage Structures | | **Date** **Opened** |
|  |
| DEM |  |  | **Date** **Started** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Contractor's Quality Representative Verify that the Above has been Constructed according to Specification | | | Administrator's Representative Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | | **Inspection** **and** **Test** **Plan**  **MRTS45** **(July** **Road** **Surface**  **2023)**  **ITP** **45.01** **Delineation** | | | |
| **Lot** **Number** | | | **Description** |  | | | | | **Date** **Opened** | |
|  | |
| 0 |  |  | **Date** **Started** | |
|  | |
| **Location** | |  | | | | **Control** **Line** | **Chainage** | |  | - | **Date** **Finished** | |
|  | |
| No. | Activity Description | | | | | Acceptance Criteria  & Frequency (Project Specific) | | Check Item  Reference | |  | SS/QA | Inspection | | Client/Rep | NCR | Related Lot # |
| 1 | All material conforms to requirements set out in Clause 6 | | | | | Material product sheets | | Check Item  MRTS45  Cl 6 | |  | | | |  |  |  |
| 2 | Pavement markings not applied when freshly applied pavement markings may become damaged by rain, fog or condensation before they have dried or set. | | | | | Visual | | Check Item  MRTS45 Cl 7.2 | |  | | | |  |  |  |
| 3 | Pavement surface is thoroughly dry and free from all dirt, loose material and other contaminants immediately before applying the pavement markings | | | | | Visual | | Check Item  MRTS45 Cl 7.3 | |  | | | |  |  |  |
| 4 | In addition to the above requirements, new bitumen sealed surfaces which are to receive pavement  markings shall be free of volatile material and solvents. | | | | | Visual | | **Hold** **Point** **1**  MRTS45 Cl 7.3 | |  | | | |  |  |  |
| 5 | Spotting approved by the Administrator prior to any application of pavement markings | | | | | Visual | | **Hold** **Point** **2**  MRTS45 Cl 7.4.1 | |  | | | |  |  |  |
| 6 | Construction procedure for application of pavement markings submitted to the Administrator | | | | | Visual | | Check Item  MRTS45 Cl 7.5 | |  | | | |  |  |  |
| 7 | All Markings are of uniform thickness and intensity | | | | | Visual | | Check Item  MRTS45 Cl 7.5.2.3 | |  | | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS45** **(July** **Road** **Surface**  **2023)**  **ITP** **45.01** **Delineation** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
| 0 |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Waterborne** | | | | | | | | | | | | | | |
| 8 | Waterborne Paint not heated to greater than 65°C and consists of two coats of paint and glass beads with application rates for the paint as per Table 7.5.2.4 | | | | | Visual Table 7.5.2.4 | Check Item  MRTS45 Cl 7.5.2.3  Cl 7.5.2.4 | |  | | |  |  |  |
| **Thermoplastic** | | | | | | | | | | | | | | |
| 9 | If required, a primer of type recommended by manufacturer of the thermoplastic material shall be applied to the surface immediantly in advance of, but concurrent with, the application of thermoplastic material | | | | | Visual | Check Item  MRTS45 Cl 7.5.3.1 | |  | | |  |  |  |
| 10 | Thermoplastic shall be applied at a temperature between 180C-200C or as per the manufacturers specifications | | | | | Visual | Check Item  MRTS45 Cl 7.5.3.2 | |  | | |  |  |  |
| 11 | Thermoplastic applied at a minimum of 2mm thickness | | | | | Visual | Check Item  MRTS45 Cl 7.5.3.3 | |  | | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Logan** **City** **Council** **Blackspots** **Project** | | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | | **Inspection** **and** **Test** **Plan**  **MRTS45** **(July** **Road** **Surface**  **2023)**  **ITP** **45.01** **Delineation** | | | |
| **Lot** **Number** | | | **Description** |  | | | | **Date** **Opened** |
|  |
| 0 |  |  | **Date** **Started** |
|  |
| **Location** | |  | | | | **Control** **Line** **Chainage** - | | | | **Date** **Finished** |
|  |
| **Cold** **Applied** **Plastic** | | | | | | | | | | | | | | |
| 12 | If required, a primer of the type reccommended shall be applied to the surface immediately in advance of, but concurrent with the application of the Cold Applied Plastic materials | | | | | Visual | Check Item  MRTS45 Cl 7.5.4.1 | |  | | |  |  |  |
| 13 | Cold Applied Plastic shall be applied at a temperature as per the manufacturers specifications | | | | | Visual | Check Item  MRTS45 Cl 7.5.4.2 | |  | | |  |  |  |
| 14 | Cold applied Plastic shall be applied at the rates specified in Table 7.5.4.2 | | | | | Visual | Check Item  MRTS45 Cl 7.5.4.2 | |  | | |  |  |  |
| 15 | The use of Raised Retroreflective Pavement Markers shall be in accordance with Cl 5.6.2 of the MUTCD Part 2 | | | | | Visual | Check Item  MRTS45 Cl 7.6.14 | |  | | |  |  |  |
| 16 | Material complies with luminance and retro-reflectivity requirements. | | | | | Test procedure AS 4049.4 | Check Item  MRTS45  Cl 5.3 & Cl 7.7.6 | |  | | |  |  |  |
| 17 | Material protected from damage by traffic or other causes until paint is dry and thermoplastic has hardened | | | | | Visual | Check Item  MRTS45 Cl 7.8 | |  | | |  |  |  |
| 18 | Completed Pavement Markings shall be uniform, clean and well-defined edges without deformation and conforms to dimensions as set out in the MUTCD | | | | | Visual | Check Item  MRTS45 Cl 7.9 | |  | | |  |  |  |
| 19 | Pavement Markings conform to all tolerances | | | | | Visual | Check Item  MRTS45 Cl 7.9.1 | |  | | |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Logan** **City** **Council** **Blackspots** **Project** | | | | | **Doval** **Project** **No.** **24019**  **Client** **Project** **No.** **CE08,** **CE14,** **CE09** | | **Inspection** **and** **Test** **Plan**  **MRTS45** **(July** **Road** **Surface**  **2023)**  **ITP** **45.01** **Delineation** |
| **Lot** **Number** | | | **Description** |  | | **Date** **Opened** |
|  |
| 0 |  |  | **Date** **Started** |
|  |
| **Location** |  | | | | **Control** **Line** **Chainage** - | | **Date** **Finished** |
|  |
| **General** **Comments** | | | | | | | | |
|  | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supervisor/QA Verify that the Above has been Constructed according to Specification | | | Project Manager Verify that the Above has been Constructed according to Specification | | |
| Print Name | Signature | Date | Print Name | Signature | Date |
|  |  |  |  |  |  |