



Don River Stream Bank Stabilisation

ITP Templates

Report summary

Name	Status	Last Activity
ITP Templates	na	5 Aug 2025 12:39am
3.HD - Horizontal Drains - page 3	na	No Activity
3.MM - Mac Mat R - page 5	na	No Activity
02.01 - Traffic Management - page 7	na	No Activity
03.41 - Rock Protection - page 10	na	No Activity
03.49 - Soil Nails - page 12	na	No Activity
04.01 - Clearing & Grubbing - page 14	na	No Activity
04.04 - Ground Surface Treatment - page 17	na	No Activity
04.05 - Embankment - page 19	na	No Activity
04.06 - General Excavation - page 25	na	No Activity
04.08 - Stripping of Topsoil - page 28	na	No Activity
04.09 - Subgrade - page 31	na	No Activity
04.10 - Backfill - page 34	na	No Activity
04.11 - Fencing and Gates - page 38	na	No Activity
04.18 - Subgrade Testing - page 40	na	No Activity
05.01 - Placement of Unbound Pavement - page 42	na	No Activity
05.02 - Supply of Unbound Material - page 45	na	No Activity
10.01 - Plant Mixed Lightly Bound (Cemented) Pavements - page 47	na	No Activity
14.01 - Supply and Installation of Road Signs - page 53	na	No Activity
14.08 - Demolition of Road Furniture - page 56	na	No Activity
16.01 - Landscape and Revegetation Works - page 58	na	No Activity
16.02 - Installation of Turfed Areas - page 65	na	No Activity
27.01 - Geotextile - page 68	na	No Activity
28.01 - Contractor's Camp and Site Facilities - page 71	na	No Activity
51.00 - Environmental Management Systems - page 73	na	No Activity
52.01 - Erosion and Sediment Control - page 77	na	No Activity
70.01 - Placement of Concrete - page 80	na	No Activity
70.03 - Supply of Concrete - page 86	na	No Activity
71.01 - Reinforcing Steel - page 88	na	No Activity

3.HD - Horizontal Drains

ITP Templates - 3.HD - Horizontal Drains

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Horizontal drain construction procedure shall be submitted 10 days prior to the start of works, construction procedure shall nominate the proposed geotextile filter fabric, procedures for drilling and procedure for installation of drain pipes.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Hold Point 1, Milestone
	Reference - ATS 2280 Clause 4.1
	Materials shall be as per nominated drawings the UPVC pipe shall be class 18 and comply with AS 1477.1, Filter fabric shall be non-woven geotextile conforming to MRST27 and be abrasion resistant to resist damage on installation.
	Acceptance Criteria - Internal
	Reference - ATS 2280 Clause 5
	Internal Check
	Location of drillign holes shall be as per the contract drawings and comply with the location orientation and length specified.The position of each drill hole shall be marked on the surface of the slop prior to commencement of drilling, and notice sent to the administrator prior to the start of drilling.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - Project Drawings
	Positional tolerance must be within 100mm + - vertically and 300mm + - horizontally from the specified position. Holes shall be drilled ina straight line and shall not deviate past the straight by more than 25mm over any 2m length of hole.
	Acceptance Criteria - Internal
	Reference - ATS 2280 Clause 6.3 & 6.9
	Holes for horizontal drians mmust be drilled on an inclination of 5 degrees dipping towards the exposed slope face with an acceptable range of 3-7 degrees, drill holes shall be 150mm diameter and drilled 100mm longer than specified depth to avoid excess material at the end of the bore shortening the hole.
	Acceptance Criteria - Internal
	Reference - ATS 2280 Clause 6.10 and project drawings
	Internal Check

	Installation of drian pipes shall be in accordance with project drawings, an outer and inner drain pipe is to be installed in each drill hole with the unslotted 120 degree section of the pipe at the bottom after installation of outer pipe the annular space between pipe and drill hole will be tightly plugged with cement mortar of atleast 0.5m from the end of hole.
	Acceptance Criteria - Internal
	Reference - ATS 2280 Clause 7
	Internal Check
	A drilling report shall be completed for all horizontal drains holes completed in a days production and will be provided to the administrator within 5 working days from completion of holes.
	Acceptance Criteria - Written
	Reference - ATS 2280 Clause 6.16
	Milestone Submission
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

3.MM - Mac Mat R

ITP Templates - 3.MM - Mac Mat R

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	At least 7 days prior to works commencing the construction procedure for the MacMat - R installation will be submitted to the Administrator for review and acceptance.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Product shall be Maccaferri MacMat R or an alternative that has been approved by the administrator
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Project Drawings
	Has the section of works been clearly identified and is there a lot map attached to this ITP
	Acceptance Criteria and Frequency (Project Specific) - Internal Check
	Check Item - Check Item
	Project Drawings
	Macmat shall be anchored and pinned into top of slope with a 300mm deep trench 500mm wide, and then backfilled and hydroseeded over. The trench shall sit 500mm back from the top of batter.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Project Drawings
	MacMat R shall be placed in one continuous strip runnign down the batter without breaks, adjacent runs of MacMat R are to have a minimum 100mm overlap and be pinned in a direction perpendicular to the angle of the slope along the over lap
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:

	Final Verification
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

02.01 - Traffic Management

ITP Templates - 02.01 - Traffic Management

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	The Contractor's Nominated Traffic Officer submitted to the Administrator and meets the requirements as specified
	Acceptance Criteria and Frequency (Project Specific) - Accreditation Supplied to Administrator
	Check Item - Check Item
	Reference - MRTS02 Cl. 5.2
	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.
	Acceptance Criteria and Frequency (Project Specific) - Approval via Contract Notice - Per NTO
	Check Item - Hold Point 1
	Reference - MRTS02 Cl. 5.3
	All traffic control devices inspected and records kept in accordance with the specification
	Acceptance Criteria and Frequency (Project Specific) - Site Records - Daily
	Check Item - Check Item
	Reference - MRTS02 Cl. 5.6.4
	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.
	Acceptance Criteria and Frequency (Project Specific) - Incident Report - Per incident
	Check Item - Check Item
	Reference - MRTS02Cl. 5.6.5
	Traffic may be altered from its existing route via the following CI 3.8 MRTS02.1
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02.1 Cl. 5.7.4

	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. Innovations, alternatives and departures from standards shall be certified by a RPEQ.
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Hold Point 2
	Reference - MRTS02 Cl. 6.2
	The Traffic Management Inspection report to the Contractor for action, together with documentation of any actions taken in regard to findings.
	Acceptance Criteria and Frequency (Project Specific) - Submission of report to Administrator - Per inspection
	Check Item - Milestone
	Reference - MRTS02 Cl. 7.5
	The following requirements for side tracks shall apply as Stated in MRTS02.1 Cl 5.7
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02 Cl. 6.5.3.3
	The following additional control measures are required to mitigate end of queue crashes as stated in MRTS02.1 Cl 5.8
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02 Cl. 6.5.7
	On asphalt and bituminous surfaced pavements, when permanent linemarking will not be in place outside working hours, temporary raised pavements markers (Stick and Stomps) are to be installed and maintained on centre lines, lane lines and edge lines at spacing of not greater than 25 m (except for side-track tie-ins where spacing shall not exceed 5 m). Temporary pavement markers shall only be in use for a maximum of 48 hrs and shall be replaced by linemarking after such time. If the Contractor is unable to complete line spotting by the end of each day's work and the road is to be trafficked, the Contractor shall delineate all separation and lane lines as above. Existing longitudinal lines are to be removed by abrasive blasting or approved other method approved in writing by the Administrator when temporary lanes are in place
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02 Cl. 6.5.8
	Temporary road lighting shall be installed in accordance with MRTS02.1 Cl 5.12
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02 Cl. 6.5.13

	In addition to the requirements of Clause 7.1, there is a need for an independent review to establish conformance with the approved TMP and TGS and with the performance requirements of MRTS02 – Provision for traffic
	Acceptance Criteria and Frequency (Project Specific) - Submission of report to Administrator - Per inspection
	Check Item - Check Item
	Reference - MRTS02 Cl. 7.1
	Supplementart Requirements completed as per MRTS02.1 Cl 8
	Acceptance Criteria and Frequency (Project Specific) - Submission of report to Administrator - Per inspection
	Check Item - Check Item
	Reference - MRTS02 Cl. 9
	Supplementart Requirements completed as per MRTS02.1 Cl 9
	Acceptance Criteria and Frequency (Project Specific) - TMD and RPEQ sign off of TGS and Risk Assessment - Per TGS
	Check Item - Check Item
	Reference - MRTS02.1 Cl. 9
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

03.41 - Rock Protection

ITP Templates - 03.41 - Rock Protection

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Rock complies with size requirements specified on drawings and shall have the following grading. D10 = 0.5m, D50 = 0.65m, D90 = 1.0m
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35 and Project Drawings
	Rock shall be clean, hard, dense and durable igneous or metamorphic rocks. It shall be resistant to weathering, free from overburden, spoil, shale and organic matter.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.2
	Rock Protection constructed in the locations and in accordance with the drawings
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.3
	Rock Protection is uniform in appearance and does not have noticeable vertical or horizontal irregularities
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.3
	Rock material shall be placed such that larger rocks are uniformly distributed throughout the rockwork layer with smaller rocks filling the voids.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.3

	Where constructed on an embankment, rock protection is constructed concurrent with the embankment with no more than 1m vertical height of open embankment above the completed rock protection
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.3
	Cement mortar shall consist of one part Type GP cement to three parts fine sand. Materials shall comply with MRTS70
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 35.3
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

03.49 - Soil Nails

ITP Templates - 03.49 - Soil Nails

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	At least 14 days prior to commencing any work which involves the installation of soil nails, the Contractor shall submit to the Administrator a construction procedure which details the method of drilling, installation, grouting and testing of the soil nails. No work shall commenced until the Administrator has deemed the construction procedure suitable. Including corrosion protection method
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 1
	Reference - MRTS03 Cl. 49.2
	All materials shall comply to the design drawings. Soil nails shall be DYWIDAG GEWI bar. Couples and spacers shall be as per the manufacturers requirements.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - Project Drawings
	Cement Grout shall have a minimum characteristic strength of 40MPa
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - Project Drawing
	Soil nails shall be installed in the locations and in addition, with the details specified in the drawings. Drawings detail 3m vertical spacing and 1.5m horizontal spacing
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS03 Cl. 49.4.1 & project drawings
	Prior to soil nail installation, clean the debris in the drill hole by air flushing or any other acceptable method. Reinforcement shall only be installed in a clean hole free of debris and foreign matter. Grouting must be carried out within one hour after installation of reinforcement. A sacrificial grout tube shall be attached to the bottom end of the soil nail. The soil nail shall be carefully positioned into the hole with a minimum of disturbance to the surrounding soil material. Soil nail installation and grouting shall be carried out 24 hours after the holes are drilled
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item

	Prior to soil nail installation, clean the debris in the drill hole by air flushing or any other acceptable method. Reinforcement shall only be installed in a clean hole free of debris and foreign matter. Grouting must be carried out within one hour after installation of reinforcement. A sacrificial grout tube shall be attached to the bottom end of the soil nail. The soil nail shall be carefully positioned into the hole with a minimum of disturbance to the surrounding soil material. Soil nail installation and grouting shall be carried out 24 hours after the holes are drilled
	Reference - MRTS03 Cl. 49.4.3
	All soil nail testing shall be undertaken in accordance with MRTS03 Table 49.5. Acceptance of the test results for soil nails shall be subject to the approval of the Designer.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS03 Cl. 49.5
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.01 - Clearing & Grubbing

ITP Templates - 04.01 - Clearing & Grubbing

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Extent of Clearing has been checked and marked according to the Vegetation Removal Notification nu the Project Arborist
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI 7.2.1
	Tree Protection Zones installed as per Arborists recommendations
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51.1 CI 9.1
	Clearing operations and other environmental operations to be supervised by Project Arborist, SQP Contaminated Land and environmental representative where required
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51.1 CI 9.1
	Any trees, shrubs and overhanging branches to be left undisturbed shall be clearly marked prior to clearing operations reaching the areas concerned.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS04 CI. 7.2.2
	Any trees required by the Administrator for use as marketable timber shall be as nominated in Clause 2.3 of Annexure MRTS04.1. Such trees shall be clearly marked by the Contractor prior to clearing operations reaching the areas concerned
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 3
	Reference - MRTS04 CI. 7.2.3

	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 is being installed.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS52 Cl. 7.1
	Hollow timber which is identified as being suitable for fauna habitat logs relocated to areas clear of construction activities
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 7.2.5
	Cleared and grubbed material other than that mulched under Clause 7.2.4 shall be disposed of in any areas stated in Clause 5 of Annexure MRTS04.1 to this Technical Specification. If no such disposal instructions are stated, the cleared and grubbed material shall be removed from the Site and disposed of in accordance with all relevant statutory requirements, including the requirements in MRTS51 Environmental Management. Cl. 7.2.7
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 7.2.7
	The scope of clearing and grubbing shall include the items as per Annexure MRTS04.1 Cl. 1.2 & Cl. 1.4
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 7.2.8, MRTS04.1 Cl. 1.2 Cl. 1.4
	Trees shall be classified as a Mature Tree if they have a diameter greater than 100mm diameter. Diameter of trees may be checked by Administrator to confirm if Mature.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04.1 Cl. 13.1
	The additional width for clearing and grubbing is 1.0m from toe of embankments as per Annexure MRTS04.1 Cl. 1.1
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04.1 Cl. 1.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual

	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.
	Check Item - Check Item
	Reference - MRTS04 CI. 8.4.3
	Additional Requirements for Clearing and Grubbing AS Per MRTS04.1 CI 1.4 have been followed
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04.1 CI 1.4
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.04 - Ground Surface Treatment

ITP Templates - 04.04 - Ground Surface Treatment

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Ground Surface Treatment carried out on all areas beneath road embankment/pavement (except where special treatment or subgrade preparation is required)
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI12.2.1.1
	Holes and local depressions filled with similar material and compacted in accordance with CI15
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI12.2.1.2
	Existing surface scarified >150mm deep and compacted in accordance with CI15. If material is too wet or too dry to compact and does not classify as unsuitable, moisture content adjusted to a depth of 300mm using appropriate methods.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI12.2.1.3
	Construction Testing Requirements: Test Method
	Acceptance Criteria and Frequency (Project Specific) -
	Max. Lot Size
	Min. Testing Frequency
	Min. No. of Tests
	Check Item - MRTS04
	Reference - Table A1
	Compaction: Q140A, Top 300mm below Subgrade = 97%, Greater than 300mm below Subgrade = 95%
	Acceptance Criteria and Frequency (Project Specific) - Max Lot Size: 5000m2

	Compaction: Q140A, Top 300mm below Subgrade = 97%, Greater than 300mm below Subgrade = 95%
	o 1 per 500m2
	o 1 per lot
	Check Item - Check Item
	Reference - Table 15.3b
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.05 - Embankment

ITP Templates - 04.05 - Embankment

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	General fill material used for the construction of road embankments sourced from general excavations on site or imported. Where embankments are zoned (ref Table 14.2.2 / Clause 14.2 - Annexure MRTS04.1), material is suitable for each zone.
	General Fill Class:
	Acceptance Criteria and Frequency (Project Specific) - General fill material Class A
	o WPI < 1200, PI >= 7,
	o % passing .075mm 15 - 30
	General fill material Class B
	o 1200 < WP < 2200
	General fill material Class C
	o 2200 < WP < 3200
	General fill material Class D
	o 3200 < WP < 4000, PI <= 50
	- CBR as Specified
	Check Item - Check Item
	Reference - MRTS04 CI14.3.1 Table 14.3.1
	Rock Fill shall consist of sound igneous, metamorphic or sedimentary rock or combination of these rock groups that will not disintegrate in water or when exposed to the weather. Rock Fill shall be free from overburden, Spoil, shale, clayey materials and organic matter. Rock Fill shall be either sourced from a quarry (or quarries) registered under Transport and Main Road's Quarry Registration System (QRS) or any other suitable source and shall comply with the properties stated in Table 14.2.3. Rock shall be angular in shape and the least dimension of the rock shall not be less than half its greatest dimension
	Acceptance Criteria and Frequency (Project Specific) - Table 14.2.3
	Check Item - Check Item
	Reference - MRTS04 CI14.2.3
	Where embankments are to be constructed on or against any slopes or batter of existing embankments (including batters resulting from the partial construction of Embankment, for example, Core Zone), steps shall be cut as follows:
	a) where the ground surface has a slope steeper than 1V to 8H and shallower than 1V to 4H, a series of horizontal steps not less than

	Where embankments are to be constructed on or against any slopes or batter of existing embankments (including batters resulting from the partial construction of Embankment, for example, Core Zone), steps shall be cut as follows:
	300 mm high shall be cut into the ground surface to be covered by the Embankment.
	o Such steps shall be constructed both longitudinally and transversely (refer Figure 14.3.3(a))
	b) where the existing slope or batter has a slope steeper than 1V to 4H, a series of horizontal steps not less than 600 mm high shall be cut into the ground surface to be covered by the Embankment
	Check Item - Check Item
	Compaction methods suitable for material type
	Compaction Method:
	Acceptance Criteria and Frequency (Project Specific) - Table 15.2
	Check Item - Check Item
	Reference - MRTS04 CI15.2
	Compacted Layer Method: Embankment compacted to required density (by characteristic Value). Refer to Table 15.3-B MRTS04 for more information. Fill material placed uniformly in layers. Uncompacted layer thicknesses;
	- General Fill 150-300mm
	- Fill in Water Retaining Fill 150-200mm
	- Subgrade 100- 200mm
	- Backfill except Sand 100mm-100mm
	- Sand 150-300mm
	Acceptance Criteria and Frequency (Project Specific) - RDD%
	o Insitu - >95%
	o Bottom of Excavations - >95%
	o Subgrade (A/B) - >97%
	o Subgrade (C/D)' - 90>96% Subgrade (C/D)* - > 95%
	o Road Embankment(A/B) ->95%
	o Road Embkmnt(C/D)' -90<96%
	o Road Embkmnt(C/D)* ->95%
	o Levee Embkmnt(A/B) - >97%
	o Backfill(Sand) - >70%
	o Backfill(Not Sand) - >95%

	Compacted Layer Method: Embankment compacted to required density (by characteristic Value). Refer to Table 15.3-B MRTS04 for more information. Fill material placed uniformly in layers. Uncompacted layer thicknesses;
	' High Rainfall Zone
	*Low Rainfall Zone
	Check Item - Check Item
	Reference - MRTS04 CI15.3
	Compacted Layer Method: Embankment moisture content within ranges specified
	Rainfall Zone:
	Acceptance Criteria and Frequency (Project Specific) - Table 15.3C
	Check Item - Check Item
	Reference - MRTS04 CI15.3
	Where required, each layer rolled with the mechanical interlock method until no further permanent visible lowering of the surface occurs and layer thickness no greater than specified in Table 15.4
	Acceptance Criteria and Frequency (Project Specific) - Table 15.4
	Check Item - Witness Point 4
	Reference - MRTS04 CI15.4
	Geotextile placed at interchange between compaction methods
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 14.3.2
	Within Geometric Tolerance
	Acceptance Criteria and Frequency (Project Specific) - MRTS04.1 CI1.2
	Check Item - Check Item
	Reference - MRTS04.1 CI1.2
	Construction Testing Requirements: Test Method
	Acceptance Criteria and Frequency (Project Specific) -
	Max. Lot Size
	Min. Testing Frequency
	Min. No. of Tests

	Construction Testing Requirements: Test Method
	Check Item - MRTS04
	Reference - Table A3
	Note - Table 15.3A: Layer Thickness, Min: 150mm & Max: 300mm
	Relative Moisture: Q250, Rainfall zone: Medium (500mm - 1000mm), Class A1 & B1: 70% - 90%
	Acceptance Criteria and Frequency (Project Specific) - 2000m2
	o 1 per 500m2/per layer
	o 4 per lot
	Check Item - Check Item
	Reference - Table A1
	Relative Compaction: Q140A, Top 300mm below Subgrade = 97%, Greater than 300mm below Subgrade = 95%
	Acceptance Criteria and Frequency (Project Specific) - 2000m2
	o 1 per 500m2/per layer
	o 4 per lot
	Check Item - Check Item
	Reference - Table A1
	Grading: Q103A
	Acceptance Criteria and Frequency (Project Specific) - 2000m2
	o 1 per 1000m2/per layer
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Plasticity Index: Q105
	Acceptance Criteria and Frequency (Project Specific) - 2000m2
	o 1 per 1000m2/per layer
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1

	Stockpile Testing Requirements: Test Method
	Acceptance Criteria and Frequency (Project Specific) -
	Max. Lot Size
	Min. Testing Frequency
	Min. No. of Tests
	Check Item - MRTS04
	Reference - Table A3
	Grading: Q103A
	Acceptance Criteria and Frequency (Project Specific) - 2000m3
	o 1 per 1000m3
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Plasticity Index: Q105
	Acceptance Criteria and Frequency (Project Specific) - 2000m3
	o 1 per 1000m3
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Emerson Class Number: As 1289.3.8.1
	Acceptance Criteria and Frequency (Project Specific) - 2000m3
	o 1 per 1000m3
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Prior to incorporating any Earth or Rock Fill 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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 8

	Prior to incorporating any Earth or Rock Fill 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
	Reference - MRTS04 Cl. 14.2.1
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.06 - General Excavation

ITP Templates - 04.06 - General Excavation

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 4
	Reference - MRTS04 Cl. 9.4
	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.
	Acceptance Criteria and Frequency (Project Specific) - Annexure MRTS04 Clause 13.3.2.1
	Check Item - Hold Point 6
	Reference - MRTS04 Cl. 13.3.2.1, Cl. 18.3.3
	Material below the finished lines and levels of cuttings, which is Unsuitable Material in accordance with the provisions of Clause 9.2, shall be removed and disposed of in accordance with the provisions of Clause 9.4. Backfilling of the excavation shall not commence until an As Constructed Survey of the excavation have been met as specified in MRTS56 Construction Surveying and notice of such Works provided to the Administrator.
	<ul style="list-style-type: none"> Where Unsuitable Material has been removed, the excavation shall be backfilled to the finished surface level with appropriate Fill Material as specified on the drawings or in accordance with Clause 18 and Clause 19. Technical Specification, MRTS04 General Earthworks Transport and Main Roads Specifications, November 2022 30. After backfilling of the excavated area has been completed, an As Constructed Survey shall be undertaken as specified in MRTS56 Construction Surveying and notice of such Works provided to the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Annexure MRTS0 Clause 13.3.2.2
	Check Item - Hold Point 6
	Reference - MRTS04 Cl.13.3.2.2
	Excavation completed to the shapes, lines and dimensions and other requirements shown on the drawings and tolerances specified
	Acceptance Criteria and Frequency (Project Specific) - MRTS04 Clause 6
	Check Item - Check Item
	Reference - MRTS04 Cl. 6, Cl.13.3.1 Table 6.3.1

	Protection of excavations in accordance with MRTS04 Cl.13.3.3.3
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 13.3.3.3
	Dewatering of excavations shall comply with requirements of EMP
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 13.3.8
	Batters in cuttings shall be free of loose material and shall be trimmed neatly to the shapes specified.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 16.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 13.3.2.4
	Trench excavations and excavations for structures shall be carried out to the dimensions shown on the drawings or, where not so shown, to the minimum dimensions necessary to construct the Works accurately and safely under the Contract. Prior to any excavation Works or trench excavations, an assessment is to be undertaken to identify cadastral marks that may need protecting as specified in MRTS56 Construction Surveying and notice of such Works provided to the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 13.3.3.1
	Material which is Unsuitable Material in accordance with the provisions of Clause 9.2 shall not be reused in the Works but shall be removed and disposed of in accordance with the provisions of Clause 9.4
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 13.3.3.2
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification

	Final Verification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.08 - Stripping of Topsoil

ITP Templates - 04.08 - Stripping of Topsoil

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Where site topsoil is required to be supplied in accordance with MRTS16 Landscape and Revegetation Works, topsoil shall be stripped 100mm (+/-25mm) depth, or from areas and depths as specified in Clause 2 of Annexure MRTS04.1
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 8.2, MRTS04.1 Cl. 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
	Acceptance Criteria and Frequency (Project Specific) - Insitu topsoil - 1/2500m2, min.1/soil type
	<ul style="list-style-type: none"> Stockpile Topsoil - 2/500m3, min.1/soil type Manufactured Site Topsoil Compliance - 2/500m3, min.1/soil type
	Check Item - Check Item
	Reference - MRTS04 Cl. 8.3
	No areas are available within the limits of the site for the disposal of excess and unsuitable material, with the exception of excess topsoil. Excess topsoil may be uniformly distributed on cleared and grubbed areas which are outside the road embankment formation.
	Acceptance Criteria and Frequency (Project Specific) - Check Item
	Check Item - Check Item
	Reference - MRTS04.1 Cl. Cl. 5
	Stockpile site locations are to be nominated by the Contractor and approved by the Administrator. The Administrator is not obliged to approve any stockpile site location within the road reserve. Stockpile sites shall not be placed within 50 m of a watercourse or within the 20% Annual Exceedance Probability (i.e. Q5) flood zone of a watercourse, unless approved by the Administrator. No native vegetation shall be cleared for stockpile sites located outside the area defined under Clause 7A of Annexure A (Contract Details) to the General Conditions of Contract, unless approved by the Administrator.
	<ul style="list-style-type: none"> Stockpile sites shall not be placed within the Tree Protection Zone defined in Clause 9.1.2 of Annexure MRTS51.1. Preference should be given to existing stockpile sites or existing cleared areas. No guarantee will be given as to stockpile site suitability, condition or availability. In the event that the establishment of stockpile sites requires clearing, grubbing or earthworks to be undertaken, a Cultural Heritage risk assessment and environmental survey must be undertaken prior to any works being undertaken. The Contractor shall advise the Administrator of any such requirements HOLD POINT. No clearing or works beyond the defined project extent may proceed without approval from the Administrator and the TMR Environmental Officer. All costs associated with undertaking necessary earthworks activities required for stockpile sites shall be deemed to be included in

	Stockpile site locations are to be nominated by the Contractor and approved by the Administrator. The Administrator is not obliged to approve any stockpile site location within the road reserve. Stockpile sites shall not be placed within 50 m of a watercourse or within the 20% Annual Exceedance Probability (i.e. Q5) flood zone of a watercourse, unless approved by the Administrator. No native vegetation shall be cleared for stockpile sites located outside the area defined under Clause 7A of Annexure A (Contract Details) to the General Conditions of Contract, unless approved by the Administrator.
	the Contractor's schedule unit rates for the corresponding earthworks items.
	Acceptance Criteria and Frequency (Project Specific) - Check Item
	Check Item - Hold Point
	Reference - MRTS04.1 Cl. 2.2
	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.
	Acceptance Criteria and Frequency (Project Specific) - Check Item
	Check Item - Hold Point
	Reference - MRTS04 Cl. 8.4.3
	Stripped material shall be stockpiled in the locations nominated by the Contractor, as stated in Cl. 2.2 of Annexure MRTS04.1.
	Topsoil Stockpiles are;
	<ul style="list-style-type: none"> ◦ Less than 3m High ◦ Less than 10m wide ◦ Appropriately battered, drained or otherwise protected to prevent erosion and segregation ◦ Stockpiled for the minimum duration ◦ Stockpile sites shall not be placed within 50m of a watercourse or within the Q5 flood zone of a watercourse.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 Cl. 8.4.1, MRTS04.1 Cl. 2.2
	The Contractor must install erosion and sediment controls associated with drainage paths flowing through the works area prior to earthworks.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS52 Cl. 7.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual

	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.
	Check Item - Check Item
	Reference - MRTS04 CI 8.4.5
	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.
	Acceptance Criteria and Frequency (Project Specific) - As Constructed Survey
	Check Item - Survey Report
	Reference - MRTS04 CI 8.4.5
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

04.09 - Subgrade

ITP Templates - 04.09 - Subgrade

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	CUTTINGS: Tests conducted in accordance with MRTS04 CI 18.3.3.2
	Acceptance Criteria & Frequency (Project Specific) - RDD
	Check Item - Check Item
	Reference - MRTS04 CI 18.3.3.2
	Work stopped when excavation has reached sugrade level. Contractor shall carry out the requirements of the relevant provisions of Clause 13.3.2.1
	Specified Subgrade Treatment (A-K):
	Acceptance Criteria & Frequency (Project Specific) - MRTS04 Table 15.3-A, Table 15.3-B
	Check Item - Hold Point 8
	Reference - MRTS04 CI13.3.2.1 CI18.3.3
	General fill material used for construction of subgrade where embankment or cutting treatment using general fill, if used in road embankments must comply with CI 14.2.4
	Acceptance Criteria & Frequency (Project Specific) - MRTS04 (Embankment ITP or Related Lot)
	Check Item - Check Item
	Reference - MRTS04 CI 18.2.1
	Unbound pavement material shall conform with the requirements of MRTS05 Unbound Pavements and shall be at least of the subtype specified in Clause 12.1 of Annexure MRTS04.1, or where no such subtype is specified, at least subtype 2.4.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI 18.2.2
	Quarry Registration Certificate submitted to Administrator 7 days prior to sourcing high permeability drainage materials.
	Acceptance Criteria & Frequency (Project Specific) - Written
	Check Item - Milestone

	Quarry Registration Certificate submitted to Administrator 7 days prior to sourcing high permeability drainage materials.
	Reference - MRTS04 CI18.2.4.1
	A mix design shall be submitted atleast 14 days prior to commencement of subgrade stabilisation
	Acceptance Criteria & Frequency (Project Specific) - Written
	Check Item - Hold Point 11
	Reference - CI18.2.5.4
	Subgrade and underlying work tested and conforming prior to placement of pavement.
	Acceptance Criteria & Frequency (Project Specific) - ITP
	Check Item - Hold Point 12
	Reference - MRTS04 CI18.3.1
	Subgrade material provides a stable dense surface displaying no vertical movement under proof roll
	Acceptance Criteria & Frequency (Project Specific) - Visual, No Delfection, Continuous
	Check Item - Witness Point 8
	Reference - CI18.3.2
	Subgrade constructed to tolerance as stated in Table 6.3.1 Primary Vertical Tolerances unless it cannot be trimmed by a grader
	Acceptance Criteria & Frequency (Project Specific) - Visual, Tolerances: Table 6.3.1, Subgrade (individual results) = +25mm, Subgrade (average) = +10mm
	Check Item - Check Item
	Reference - CI 18.3.3.1
	Quality Verification Requirements Test Method
	Acceptance Criteria & Frequency (Project Specific) - Max. Lot Size, Min. Testing Frequency, Min. No. of Tests
	Check Item - Check Item
	Reference - Table A.2
	Compaction/Moisture Ratio: AS1289.5.4.1 or AS1289.5.7.1
	Acceptance Criteria & Frequency (Project Specific) - 2000m2, 1 per 500m2 (per layer), 4 per lot
	Check Item - Check Item
	Reference - MRTS04 Table A.2 No. 2.11

	Grading (AS1289.3.6.1), PI (AS1289.3.3.1 or AS1289.3.3.2), WPI (Q252)
Acceptance Criteria & Frequency (Project Specific) - 2000m2, 1 per 1000m2 (per layer), 2 per lot	
Check Item - Check Item	
Reference - MRTS04 Table A.2 No. 2.11	
	Geometrics, Horizontal Position
Acceptance Criteria & Frequency (Project Specific) - All edges and interfaces (at 20 intervals)	
Check Item - Check Item	
Reference - MRTS04 Table A.2	
	Geometrics, Vertical Level
Acceptance Criteria & Frequency (Project Specific) - All edges and interfaces (at 20 intervals)	
Check Item - Check Item	
Reference - MRTS04 Table A.2	
	Geometrics, Deviation from a straight edge < 25mm
Acceptance Criteria & Frequency (Project Specific) - All edges and interfaces (at 20 intervals)	
Check Item - Check Item	
Reference - MRTS04 CI 6.3.2	
	Final Verification
Project Manager Verify that the Above has been Constructed according to Specification	
Print Name:	
Date:	
Client Verify that the Above has been Constructed according to Specification	
Print Name:	
Date:	

04.10 - Backfill

ITP Templates - 04.10 - Backfill

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Prior to incorporating any backfill material, stockpile or source test results as specified in Appendix A shall be submitted demonstrating material meets the specified requirements.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Hold Point 11
	Reference - MRTS04 CI19.1
	Material for backfill shall be as shown on the drawings or as specified elsewhere in the Contract. Where not so shown or specified, material shall be earth backfill material complying with the requirements of Clause 19.2.2. Earth 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.
	Acceptance Criteria and Frequency (Project Specific) - Grading
	Check Item - Witness Point 6
	Reference - MRTS04 CI19.2.2, CI19.3.1
	Unless specified otherwise in Clause 19.3 or elsewhere in the Contract, backfill shall be compacted using the compacted layer method of construction in accordance with the requirements of Clause 15, except as may be modified by the requirements of Clause 19.
	Acceptance Criteria and Frequency (Project Specific) - RDD 1/500m2/300mm Lift - min 4/lot
	Check Item - Check Item
	Reference - MRTS04 CI19.3.1
	Backfill around In Place units (pipes, culverts, pits and so on) not placed until completed and inspected by Administrator and any curing period has elapsed.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 12
	Reference - MRTS04 CI19.3.3
	Where material is placed on opposite sides of a culvert, structure, conduit etc. the difference in level of compacted material on opposing sides shall not exceed 150mm, unless shown otherwise on the drawings.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item

	Where material is placed on opposite sides of a culvert, structure, conduit etc. the difference in level of compacted material on opposing sides shall not exceed 150mm, unless shown otherwise on the drawings.
	Reference - MRTS04 CI19.3.3
	Foundation bedding, haunch, side and overlay zones for concrete pipe culverts shall be as per standard drawing 1359.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS04 CI19.3.4
	Construction Testing Requirements: Test Method
	Acceptance Criteria and Frequency (Project Specific) -
	Max. Lot Size
	Min. Testing Frequency
	Min. No. of Tests
	Check Item - MRTS04
	Reference - Table A3
	Relative Moisture - Rainfall zone: High (>1000mm), Class A1/A2: 70% - 100%, Class B: 80% - 110%
	Acceptance Criteria and Frequency (Project Specific) - Each culvert/structure
	o 1 per 100m3
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Relative Compaction - Top 300mm below Subgrade = 97%, Greater than 300mm below Subgrade = 95%
	Acceptance Criteria and Frequency (Project Specific) - Each culvert/structure
	o 1 per 100m3
	o 2 per lot
	Check Item - Check Item
	Reference - Table A1
	Stockpile Testing Requirements: Test Method
	Acceptance Criteria and Frequency (Project Specific) -
	Min. Testing Frequency:

	Stockpile Testing Requirements: Test Method
	Quarry Source
	Other Source
	Check Item - MRTS04
	Reference - Table A3
	Grading
	Acceptance Criteria and Frequency (Project Specific) - 5000t, 1000m3
	Check Item - Check Item
	Reference - Table A1
	Plasticity Index
	Acceptance Criteria and Frequency (Project Specific) - 5000t, 1000m3
	Check Item - Check Item
	Reference - Table A1
	Linear Shrinkage
	Acceptance Criteria and Frequency (Project Specific) - 5000t, 1000m3
	Check Item - Check Item
	Reference - Table A1
	Emerson Class Number: AS 1289.3.8.1
	Acceptance Criteria and Frequency (Project Specific) - 5000t, 1000m3
	Check Item - Check Item
	Reference - Table A1
	Soaked CBR and Swell (For earth backfill in subgrade only)
	Acceptance Criteria and Frequency (Project Specific) - 4000t, 200m3
	Check Item - Check Item
	Reference - Table A1
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:

	Final Verification
Date:	
Client Verify that the Above has been Constructed according to Specification	
Print Name:	
Date:	

04.11 - Fencing and Gates

ITP Templates - 04.11 - Fencing and Gates

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Material Requirements are as per the design documentation or as shown on Standard Drawings: 1600, 1601, 1602, 1603 and 1604.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14.1 CL.11.3
	Fencing is constructed in the locations and to the details shown in the design documentation
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CL.11.4
	Where possible, in undulating country the fencing has been erected so that the post tops follow a smooth line
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CL.11.4
	Gates are installed in the locations shown in the design documentation or as shown on Standard Drawings: 1600, 1601, 1602 & 1603.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS14 CL.12.4
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification

	Final Verification
Print Name:	
Date:	

04.18 - Subgrade Testing

ITP Templates - 04.18 - Subgrade Testing

First Activity: No Activity

Last Activity: No Activity

Checklist: no activity

Passed: 0

Failed: 0

N/A: 0

Details

	All sampling shall be undertaken by the Contractor, in the presence of the Administrator, unless directed otherwise by the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point 5
	Reference - MRTS04 Appendix B.3
	Each different material encountered within this depth in Clause 18.1 shall be sampled and tested in accordance with this Technical Specification unless otherwise approved by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Testing
	o 1.5m below subgrade in CUT
	o 2.0m below subgrade in EMBANKMENT
	Check Item - Check Item
	Reference - MRTS04 Appendix B.3
	Untreated subgrade material shall be sampled from their natural location in accordance with AS1289.1.2.1. Untreated subgrade materials that break down under environmental and service conditions due to weathering shall be pre-conditioned by artificial weathering in accordance with RMS Test Method T103
	Acceptance Criteria and Frequency (Project Specific) - Testing
	Check Item - Check Item
	Reference - MRTS04 Appendix B.3.1
	Fill Materials from Stockpile: Materials which breakdown, degrade or fracture during construction, such as highly and extremely weathered rocks, shall be pre-conditioned prior to compacting the specimens for testing. Preconditioning may include: - Lab preconditioning, - Field compaction using construction methods proposed for the works. The pre-conditioning method shall be recorded in the in the submission of the test results detailed in MRTS04 Clause B.5.
	Acceptance Criteria and Frequency (Project Specific) - Pre-Conditioning
	Check Item - Check Item
	Reference - MRTS04 Appendix B.4

	Fill Materials after Field Compaction: Obtain samples from the completed fill (after compaction and proof rolling) in accordance with AS 1289.1.2.1. Samples shall be taken over the full depth of the compacted layer.
	Acceptance Criteria and Frequency (Project Specific) - Test Reports
	Check Item - Check Item
	Reference - MRTS04 Cl. B3.2.2
	All testing shall be undertaken by the Contractor, in the presence of the Administrator, unless directed otherwise by the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point 6
	Reference - MRTS04 Appendix B.4
	Each untreated subgrade material sampe and each fill material sample shall be tested for: laboratory CBR, swell, PSD, maximum aggregate size of fill materials, liquid limit, plastic limit, plasticity index, weighted plasticity index, insitu moisutre content
	Acceptance Criteria and Frequency (Project Specific) - Testing per material type
	Check Item - Check Item
	Reference - MRTS04 Cl. B.4 & MRTS04.1 Cl 3
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

05.01 - Placement of Unbound Pavement

ITP Templates - 05.01 - Placement of Unbound Pavement

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Layer Thickness between 75mm and 250mm in accordance with table 8.3.3
	Acceptance Criteria and Frequency (Project Specific) - Visual
	o Layer Thickness: 75mm - 250mm
	Check Item - Check Item
	Reference - MRTS05 Table 8.3.3
	Relative Dry Density Requirements: C.V of RDD >= 100% MDD for Type 1 Materials, = 100% SDD for type 2.3, 2.4 and 2.5
	Acceptance Criteria and Frequency (Project Specific) - C.V of RDD >= 100% MDD (1 test / 500m2, min 1 / production day, min 4 per lot)
	Check Item - Check Item
	Reference - MRTS05 Table 8.4.3
	Unless agreed otherwise, a trial placement of materials of a minimum size of 1000m2 is required.
	Acceptance Criteria and Frequency (Project Specific) - All tests as described by this ITP and MRTS05
	Check Item - HOLD POINT 3
	Reference - MRTS05 Cl. 8.2
	Moisture content such that the degree of saturation is less than 60%(modified). The administrator may accept a higher level of moisture up to a maximum of 70%.
	Acceptance Criteria and Frequency (Project Specific) - S < 60% (1 test / 500m2, min 4 / lot)
	Check Item - HOLD POINT 4
	Reference - MRTS05 Table 8.3.4.1
	No visible segregation of material. Partial Size Distribution Q103A.
	Acceptance Criteria and Frequency (Project Specific) - Min 1 per lot
	o Additional tests as directed by the Administrator
	Check Item - Check Item

	No visible segregation of material. Partical Size Distribution Q103A.
	Reference - MRTS05 Table A3
	Geometric Tolerances in accordance with MRTS05.1 Cl.8.4.4.3
	Acceptance Criteria and Frequency (Project Specific) - $\pm 10\text{mm}$ when covered by AC
	o $\pm 15\text{ mm}$ in all other cases (1 test / 20m)
	Check Item - Check Item
	Reference - MRTS05.1 Cl.8.4.4.3
	Geometric Tolerances: Horizontal tolerance of $\pm 50\text{mm}$, or $-50 / +250\text{mm}$ for pavement edges not adjacent to any other section of pavement and not adjacent to any structure or adjoining road
	Acceptance Criteria and Frequency (Project Specific) - $\pm 50\text{mm}$, or $-50 / +250\text{mm}$ if not adjacent to adjoining pavement (1 test / 25m)
	Check Item - Check Item
	Reference - MRTS05 Cl.8.4.4.2 Table A4
	Deviation from a 3m straight edge shall be less than 5mm.
	Acceptance Criteria and Frequency (Project Specific) - Straight Edge Test
	o Less than 5mm
	o 1 test per 20m
	Check Item - Check Item
	Reference - MRTS05 Cl. 8.4.5
	Each unbound pavement layer shall be tested for perceptable surface deformation by 'proof rolling' the pavement, in the presence of the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual, Continuous testing
	Check Item - Witness Point
	Reference - MRTS05 Cl.9.4.7
	Additional Geometrics (final layer only). The crossfall shall not depart from the corresponding crossfall shown in the Contract by more than 0.5% absolute.
	Acceptance Criteria and Frequency (Project Specific) - 0.5% deviation from crossfall (1 test / 25m)
	Check Item - Check Item
	Reference - MRTS05 Cl.8.4.4.4

	The finished surface of any unbound pavement layer shall: – be hard and homogenous in appearance, – not have any loose, segregated or contaminated areas, – have the coarse particles slightly exposed, – not be affected by delamination, and, – not visibly deflect under load when proof rolled in accordance with CI 9.4.6
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS05 CI.8.3.5.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Test Results per lot
	Check Item - Hold Point 5
	Reference - MRTS05 CI.9.1
	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: a) all testing has been completed, b) the surface finish of the layer complies with the requirements of Clause 8.3.5, c) 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, d) the layer has been presented to the Administrator for inspection, and, e) 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.
	Acceptance Criteria and Frequency (Project Specific) - Administrator Acceptance
	Check Item - Hold Point 6
	Reference - MRTS05 CI.9.5.1
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

05.02 - Supply of Unbound Material

ITP Templates - 05.02 - Supply of Unbound Material

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	No unbound pavement works shall commence until all relevant construction procedures have been accepted by the Administrator.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Hold Point 1
	Reference - MRTS05 Cl. 5.2.1
	The aggregate production procedures shall be submitted to the Administrator at least 7 days prior to commencement of material production
	Check Item - Milestone
	Reference - MRTS05 Cl. 5.2.2
	The unbound pavement construction procedure shall be submitted to the Administrator at least 14 days prior to the commencement of unbound pavement works
	Check Item - Milestone
	Reference - MRTS05 Cl. 5.2.3
	The current TMR Quarry Registration Certificates for Type 1, 2 and 3 materials, shall be submitted to the Administrator at least 7 days before a material's supply or use.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS05 Cl6
	Material from a quarry shall not be used until the quarry has been approved by the administrator.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS05 Cl6.1
	Type 1, Type 2, Type 3 and Type 4 materials to comply with the respective material properties from clauses 7.1 to 7.4.
	Check Item - Check Item

	Type 1, Type 2, Type 3 and Type 4 materials to comply with the respective material properties from clauses 7.1 to 7.4.
	Reference - MRTS05 Cl. 7.1 - Cl. 7.4
	All pavement material incorporated into the finished pavement shall be free from sticks, organic matter, clay lumps and other deleterious material or contamination.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS05 Cl7.5
	Stockpiles located as specified in MRTS05.01 Cl. 2.4 or if not specified, on clear, even, firm, well drained ground where it can be clearly identified with individual stockpiles separated by at least 2m.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS05 Cl7.7
	Separate stockpiles for each production lot, or stockpiles incrementally created from a single material subtype with each added lot tested and approved prior to subsequent lots being added.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS05 Cl7.7
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

10.01 - Plant Mixed Lightly Bound (Cemented) Pavements

ITP Templates - 10.01 - Plant Mixed Lightly Bound (Cemented) Pavements
First Activity: No Activity

Last Activity: No Activity

Checklist: no activity

Passed: 0

Failed: 0

N/A: 0

Details

	No lightly bound pavement works commenced until all relevant construction procedures have been accepted by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - HOLD POINT 1, Milestone
	Reference - Clause 5.2 MRTS10
	Lightly Bound Pavement Constution Procedure submitted to Administrator at least 14 days prior to commencement of pavement works.
	Acceptance Criteria and Frequency (Project Specific) - Submitted 14 Days Prior
	Check Item - Milestone
	Reference - MRTS10 Clause 5.2.1
	The unbound pavement material to be used as part of the plant-mixed lightly bound pavement conforms to the requirements of MRTS05.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Hold Point 2
	Reference - MRTS10 Clause 6.1
	Regsitered mix design and terget content of stabilisation agent nominated and submitted to Administrator along with: 1. Stabilised Mix Design Certificate, 2. Quarry Registration Certificate
	Acceptance Criteria and Frequency (Project Specific) - Submitted 14 Days Prior
	Check Item - HOLD POINT 3
	Reference - MRTS10 Clause 7.1
	A trial of the manufacturing and laying operations shall be caried out prior to commencement of the work.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - WITNESS POINT 1
	Reference - MRTS10 Clause 8.1

	Prior to continuing works after completion of the trial, records which demonstrate compliance submitted to the Administrator for acceptance.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 4
	Reference - MRTS10 Clause 8.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS05 Clause 7
	Equipment as specified in approved construction procedure.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Cl.8.2.1
	The time between the commencement of mixing the stabilisation agent into the unbound material and the completion of compaction of a single layer is less than the allowable working time. The allowable working time for the plant-mixed lightly bound pavement is to be the lesser of the following a) Tested working time shown on the mix desing certificate, b) Four hours
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.3
	Lightly bound pavements not constructed when: a) air temperature is less than 10°C or greater than 40°C, b) during rain or when rain is likely to fall during placement, c) evaporation rate due to the combined effect of air temperature, wind and relative humidity may result in excessive drying of the pavement layers
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.4
	Individual compacted layer thicknesses in accordance with Table 8.2.7.1. Minimum - 125mm, Maximum - 250mm
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.7.1

	Where a lightly bound pavement layer is to be overlaid directly with another lightly bound pavement layer, the finished surface is hardcut to uniformly roughen the surface across the full width of the layer.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.7.2
	Unless constructed in the same shift, a cement slurry is applied to the hard-cut surface prior to placing the next lightly bound pavement layer.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.7.2
	Each layer of lightly bound pavement cover with the next layer or bituminous surfacing within seven days of placement. Lightly bound layers not covered with a sprayed seal or prime within 48 hours of placement.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.9
	Longitudinal joints offset by a min. 150mm from joints in underlying layers, located away from wheel paths and in the final layer coincide with the lane-marking or change in crossfall. Transverse joints offset by a min. 2.0m from joints in underlying layers.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.10
	For fresh joints between adjoining or adjacent run, the outside 300mm of material from the first run shall be left uncompacted until the adjacent run is ready for compaction.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Cl. 8.2.10.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Cl. 8.2.10.2, Cl.6.4

	With the exception of vehicles directly involved with curing, compliance testing, sealing operations and construction of overlaying pavements and subsoil/pavement drains, lightly bound layers not opened to traffic until the lot has been tested and passes proff rolling.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS10 Clause 8.2.11
	The actual content of stabilising agent for each lot complies with the requirements in Table 8.3.2. Min/Max Value = Target Content +/- MPV (Mixing-Plant-Variability)
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 8.3.2
	Unconfined compressive strength between 1 - 2MPa
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 8.3.3
	The characteristic value of relative compaction shall not be less than 100%, except for the upper most layer of lightly bound base which shall not be less than 102% Compaction testing will be conducted at the 4hrs working time after batching.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 8.3.4
	Horizontal tolerances shall not be more than $\pm 50\text{mm}$ except for the following: a) Pavement edges not adjacent to any other part of the pavement and not adjacent to any structure or adjoining road, transverse tolerance shall be $-50\text{mm} + 250\text{mm}$, b) Where alignment of the pavement with an existing structure is necessary
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 8.3.5.2
	The primary tolerance for the Lightly Bound Layer shall be $\pm 10\text{mm}$. Further, the total thickness of the constructed Lightly Bound Layer shall be within -20mm, +unspecified of the specified thickness.
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 8.3.5.3
	Deviation of a straight edge placed anywhere on the surface shall not exceed 5mm over 3m
	Acceptance Criteria and Frequency (Project Specific) - Written

	Deviation of a straight edge placed anywhere on the surface shall not exceed 5mm over 3m
Check Item - Check Item	
Reference - MRTS10 Clause 8.3.6	
	Crossfall shall not differ from the designed crossfall by more than 0.5% absolute.
Acceptance Criteria and Frequency (Project Specific) - Written	
Check Item - Check Item	
Reference - MRTS10 Clause 8.3.5.4	
	Horizontal tolerances shall not be more than $\pm 50\text{mm}$ except for the following: a) Pavement edges not adjacent to any other part of the pavement and not adjacent to any structure or adjoining road, transverse tolerance shall be $-50\text{mm} + 250\text{mm}$, b) Where alignment of the pavement with an existing structure is necessary
Acceptance Criteria and Frequency (Project Specific) - Written	
Check Item - Check Item	
Reference - MRTS10 Clause 8.3.5.2	
	The Maximum Road Roughness shall not be greater than (Rs) "2.31m/km"
Acceptance Criteria and Frequency (Project Specific) - Visual	
Check Item - Check Item	
Reference - MRTS10.1 Clause 8.3.7	
	For lightly bound layers that are to be covered by a sprayed bituminous surfacing, the maximum ball penetration is less than 3mm
Acceptance Criteria and Frequency (Project Specific) - Visual	
Check Item - Check Item	
Reference - MRTS10 Clause 8.3.8	
	The perceptible surface deformation test shall be undertaken in the presence of the Administrator
Acceptance Criteria and Frequency (Project Specific) - Visual	
Check Item - WITNESS POINT	
Reference - MRTS10 Clause 9.4.10	
	No lightly bound layer shall be covered by a subsequent layer of pavement or surfacing untill all testing has been completed, the surface finish comlies with Clause 8.2.7 and the layer presented to the Administrator.
Acceptance Criteria and Frequency (Project Specific) - Written	
Check Item - HOLD POINT	
Reference - MRTS10 Clause 9.5.1	

	For each lightly bound pavement lot, the Contractor shall submit control charts in the ITP appendixc which show the following properties for that lot and all previous lots of the same lightly bound material produced under the Contract: Liquid limit, Linear shrinkage, UCS, Stabilising agent content, and Actual moisture content (sampled at plant)
	Acceptance Criteria and Frequency (Project Specific) - Written
	Check Item - Check Item
	Reference - MRTS10 Clause 9.5.2
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

14.01 - Supply and Installation of Road Signs

ITP Templates - 14.01 - Supply and Installation of Road Signs

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Dismantling of items to be salvaged
	Acceptance Criteria and Frequency (Project Specific) - Submission Schedule
	Check Item - Hold Point 1
	Reference - CL8.2
	Dismantling of items to be re-erected
	Acceptance Criteria and Frequency (Project Specific) - Submission Schedule
	Check Item - Hold Point 2
	Reference - CL9.2
	All legend elements, including letters, numerals, symbols, colours and borders in all sign faces conform to the MUTCD and project drawings
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CL 13.2
	Dimensional Tolerances conform to the requirements detailed in AS1743 and legends and lettering conforms to AS1744
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CL 13.2
	Other materials may be considered but evidence of the full approval of the department will be provided to the administrator prior to their use.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point
	Reference - MRTS14 CL 13.3.1.1

	Sign Material conforms with the requirements as set out in CI 13.3
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI 13.3
	Sign faces are fabricated in accordance with the requirements of the Design Guide for Road signs to the size specified in the contract
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI 13.4
	Sign posts shall be circular or rectangular hollow sections unless specifically shown otherwise in the design documentation.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI 14.2.3
	Post sizes and spacings shall conform to the design documentation with slip bases and fuse plates as required
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI 14.2.3
	Concrete footings shall conform to MRTS70 and to the dimensions shown in the design documentation.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI 14.3
	Erection of Road Signs
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS14 CI 14.4
	Signs erected at the locations shown in the design documentation and the orientation shall be in accordance with the MUTCD
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item

	Signs erected at the locations shown in the design documentation and the orientation shall be in accordance with the MUTCD
	Reference - MRTS14 CI 14.4.2
	Sign faces installed on the posts and/or frame once all other erection is complete
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 CI14.4.5
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

14.08 - Demolition of Road Furniture

ITP Templates - 14.08 - Demolition of Road Furniture

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Road furniture to be removed are as listed in MRTS14.1.
	Check Item - Check Item
	Reference - MRTS14.1
	Existing road furniture demolished and removed avoiding damage to any adjacent work.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 Cl.7.3
	Resulting excavations are backfilled and finished so the area is in a safe and free-draining state
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS14 Cl.7.3
	Milestone - Dismantling and removal shall not commence until expiration of the seven day period. Hold Point 2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS14 Cl.7.3
	The items of road furniture to be removed and re-erected shall be as listed in Clause 4 of Annexure MRTS14.1. Not less than seven days prior to commencement of dismantling and removal of any road existing furniture, the Contractor shall submit a schedule of items of existing road furniture to be dismantled for re-erection in accordance with the provisions of the design documentation.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS14 Cl.9
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification

	Final Verification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

16.01 - Landscape and Revegetation Works

ITP Templates - 16.01 - Landscape and Revegetation Works

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Soil Management Plan prepared in accordance with Form A of Appendix MRTS16. Construction and regular Updates submitted to the Administrator for approval
	Acceptance Criteria and Frequency (Project Specific) - Written Acceptance
	Check Item - Hold Point 1
	Reference - MRTS16 CI 5.2.1
	Non-Potable Water Plan and permits submitted to the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Hold Point 2
	Reference - MRTS16 CI 5.2.2
	Seed Supply Proposal submitted to the Administrator within 30 days of Possession of Site
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Hold Point 3
	Reference - MRTS16 CI 5.3.1
	Plant Supply Proposal submitted to the Administrator within 30 days of Possession of Site
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Hold Point 5
	Reference - MRTS16 CI 5.3.3
	Plant Harvesting Proposal submitted to the Administrator prior to harvesting plants
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Hold Point 6
	Reference - MRTS16 CI 5.3.4

	Materials imported to Site shall be free of prohibited or restricted biosecurity matter
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 7
	Materials are stored to ensure no deterioration or contamination occurs
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 7
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 7
	Containerised plants and ex ground stock in accordance with MRTS16 Cl. 7.6.2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 Cl 7.6.2
	The extent and types of vegetation treatments are installed as specified in the contract and/or shown on the drawings
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8
	Ground preparation works carried out within the drip line of retained vegetation, 300mm of paths, kerbs, road furniture or structures and in accordance with TMR Standard Drawings 1644 and 1646
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.4 TMR SD 1644
	Site is weed free prior to ground preparation operations
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point

	Site is weed free prior to ground preparation operations
	Reference - MRTS16 CI 8.3
	Administrator notified at least 3 days before each of the following: application and incorporation of amelioration agents, ripping, cultivation, roughening
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS16 CI 8.1.1, CI 8.4.1.1, CI 8.4.1.2, CI 8.4.1.3, CI 8.4.1.4
	Stockpiled topsoil is in accordance to Form D - Manufactured Site Topsoil Compliance Testing prior to being used
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 7
	Reference - MRTS16 CI 8.2.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 8
	Reference - CI 8.4.1.1
	The contractor shall submit 1kg samples (plus test certificates) of proposed amelioration agents 4 weeks prior to use for direction as to their suitability.
	Acceptance Criteria and Frequency (Project Specific) - Test Reports, Samples
	Check Item - HOLD POINT
	Reference - CTS16 Cl. 3.1.6
	The Contractor shall give at least three days notice before 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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS16 CI 8.4.2.1
	Turf shall be installed within two days from the completion of the topsoil operations, Turf shall be installed by spreading fertiliser over the topsoil and raking the surface smooth
	b) to the prepared surface that has been moistened with a solution of water and wetting agent
	c) on the day turf is delivered to site
	d) by laying rolls parallel to the contour, in a staggered brick pattern, and

	Turf shall be installed within two days from the completion of the topsoil operations, Turf shall be installed by spreading fertiliser over the topsoil and raking the surface smooth
	e) 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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.2.
	Hydromulch Seeding installed in accordance with CI 8.5.1.3, with equipment producing a uniformly applied, homogenous slurry that is applied indirectly, and from at least 2 directions with no watering on the day of installation.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.1.3
	Single Pass Hydromulch Seeding installed in accordance with Table 8.2.1.4
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.2.1.4
	Fertilisers are broadcast evenly over topsoil in accordance to manufacturer's recommendation and the prepared surface has had a water and a wetting agent applied
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.1.3
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.2
	Mulching be manufactured in accordance with Clause 8.2.2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 7.6.3.1

	Matting shall be installed in accordance to 8.5.1.7 and according to manufacturers recommendations and in accordance with TMR Standard Drawing 1648.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.1.7 TMR SD 1648
	Plants installed within 5 days of mulch or matting and within 48 hours of delivery with initial watering on the day of installation, as soon as practical after planting and in accordance with Table 8.5.3.1 and 8.5.3.2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.3.2
	Administrator notified of plant delivery to allow for inspections
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS16 CI 8.5.3.1 & CI8.5.3.2
	Prior to installing plants, plants shall be set out in accordance with Clause 8.5.3.3 The Contractor shall give two days notice prior to delivery of plants to allow inspection of the plants
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 11
	Reference - MRTS16 CI 8.5.3.3
	<25L Container Plants installed as per CI 8.5.3.1 and Table 8.5.3.1 while ≥25L container plants installed as per CI 8.5.3.2 and Table 8.5.3.2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.3.2, CI 8.5.3.1
	Plant mats installed in accordance with TMR Standard Drawing 1647, type of organic matting shall be as specified in Clause 3.4.3 of the Annexure MRTS16.1
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.7.6.4 TMR SD 1648
	Stakes and guying shall be in accordance with Table 7.6.5 TMR Standard Drawings 1653 and 1655 while Guying shall be installed with containers ≥200L, ex-ground and transplanted trees and in accordance with TMR SD 1656
	Acceptance Criteria and Frequency (Project Specific) - Visual

	Stakes and guying shall be in accordance with Table 7.6.5 TMR Standard Drawings 1653 and 1655 while Guying shall be installed with containers ≥200L, ex-ground and transplanted trees and in accordance with TMR SD 1656
	Check Item - Check Item
	Reference - MRTS16 CI 7.6.5 TMR SD 1653, TMR SD 1655, TMR SD 1656
	Certificate of commencement of landscape and revegetation works establishment period issued and is a minimum of 90 days
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS16 CI 9.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 9.1.1
	If a plant failure is determine to relate to the species, a substitute species has been proposed and submitted to the administrator for suitability
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 10
	Reference - MRTS16 CI 9.1.1.5, CI 9.2.1.5
	Certificate of commencement of landscape and revegetation works monitoring period issued and is a minimum of 90 days unless otherwise specified in Clause 4.2 of the Annexure MRTS16.1
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS16 CI 9.2
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 9.2.1
	Certificate of finalisation of landscape and revegetation works monitoring period issued
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone

	Certificate of finalisation of landscape and revegetation works monitoring period issued
	Reference - MRTS16 CI 9.2
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

16.02 - Installation of Turfed Areas

ITP Templates - 16.02 - Installation of Turfed Areas

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Installation of Turf Shall Comply with Project specific Requirements listed in MRTS16 Annexure.
	Acceptance Criteria and Frequency (Project Specific) - Written Acceptance
	Check Item - Hold Point
	Reference - MRTS16.1 CI 3.3.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Hold Point 8
	Reference - MRTS16 CI 8.5.2 & MRTS16 CL 8.4.1.1
	Topsoil shall be installed within three days from the completion of the subsoil operations. Topsoil shall be spread to the required depth. (75mm)
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Witness Point 6
	Reference - MRTS16 CI 8.5.2
	Subsoil operations shall occur immediately after the application of amelioration agents. As per Table 8.5.2
	Acceptance Criteria and Frequency (Project Specific) - Plan
	Check Item - Witness Point 3,4, or 5
	Reference - MRTS16 CI 5.3.3
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 7

	Stockpiled topsoil is in accordance to Form D - Manufactured Site Topsoil Compliance Testing prior to being used
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 7
	Reference - MRTS16 CI 8.2.1
	The Contractor shall give at least three days notice before 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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS16 CI 8.4.2.1
	Turf shall be installed within two days from the completion of the topsoil operations, Turf shall be installed by spreading fertiliser over the topsoil and raking the surface smooth
	b) to the prepared surface that has been moistened with a solution of water and wetting agent
	c) on the day turf is delivered to site
	d) by laying rolls parallel to the contour, in a staggered brick pattern, and
	e) 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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.2.
	Subsoil Testing Requirements Completed as per requirements of Form D & Form E
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CL 4.1
	Hydromulch Seeding installed in accordance with CI 8.5.1.3, with equipment producing a uniformly applied, homogenous slurry that is applied indirectly, and from at least 2 directions with no watering on the day of installation.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.1.3
	Single Pass Hydromulch Seeding installed in accordance with Table 8.2.1.4
	Acceptance Criteria and Frequency (Project Specific) - Visual

	Single Pass Hydromulch Seeding installed in accordance with Table 8.2.1.4
	Check Item - Check Item
	Reference - MRTS16 CI 8.2.1.4
	Fertilisers are broadcast evenly over topsoil in accordance to manufacturer's recommendation and the prepared surface has had a water and a wetting agent applied
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.1.3
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS16 CI 8.5.2
	Certificate of commencement of landscape and revegetation works establishment period issued and is a minimum of 90 days
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS16 CI 9.1
	Certificate of commencement of landscape and revegetation works monitoring period issued and is a minimum of 90 days unless otherwise specified in Clause 4.2 of the Annexure MRTS16.1
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS16 CI 9.2
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

27.01 - Geotextile

ITP Templates - 27.01 - Geotextile

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Geotextile strength and filtration classes as specified on drawings or within MRTS27
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI6
	Geotextile stored on site under protective covers, off the ground and in a manner unaffected by heat. Rolls clearly marked with manufacturer, type and batch.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI7
	Proposed Geotextile submitted to and accepted by Administrator for acceptability to CI6.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Hold Point 1
	Reference - MRTS27 CI8.1
	Geotextiles installed as specified in the contract
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI9.1
	Area cleared and graded with all sharp objects and large stones removed and covered within 48hours of being placed
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI9.1

	Initial uncompacted layer thickness for fill material placed over the geotextile shall be not less than 200mm of D85 of the fill material, whichever is greater.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI9.2
	Joining of geotextiles in accordance with clause 9.3. If overlap is not specified, it shall be a minimum of 500mm. If used to line subsoil drainage trenches, the geotextile shall fully envelop the drainage material with a minimum 300mm overlap at the top of the trench.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI9.3
	Filling over installed geotextile shall be in accordance with clause 9.4. No construction equipment shall stand or travel directly on the laid geotextile. Rock placed directly on geotextile shall be placed with a drop height not exceeding 1.5m.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI9.4
	Where batch size is <5000m2, sampling and testing need not be undertaken, provided the nominal strength of the material supplied is 20% higher than the requirements and the filtration properties are 20% lower than the requirements stated.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI10.2
	Where directed, a testing sample shall be cut and provided to the administrator
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS27 CI10.2
	Sampled geotextile shall be tested by the Contractor for the range of properties specified in Table 6.2 and Table 6.3 in accordance with the requirements of Clause 10.3.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI10.3
	Geotextile not placed until administrator accepts test results
	Acceptance Criteria & Frequency (Project Specific) - Visual

	Geotextile not placed until administrator accepts test results
	Check Item - Hold Point 2
	Reference - MRTS27 CI10.4
	The administrator may select samples from the site for audit testing.
	Acceptance Criteria & Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS27 CI10.5
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

28.01 - Contractor's Camp and Site Facilities

ITP Templates - 28.01 - Contractor's Camp and Site Facilities

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Location of facilities within areas given in MRTS 28.1 Cl. 1 or through private arrangements.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28 Cl. 4.2
	Properly constructed toilets, rubbish receptacles and wash facilities provided. The Contractor shall supply, equip, service and neatly maintain all necessary buildings, workshops, first aid facilities, parking areas and storage areas for the satisfactory completion of the Work.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28 Cl. 4.3
	If so stated in Clause 3 of Annexure MRTS28.1, the Contractor shall provide a separate room for the Administrator within the Contractor's site facilities. The office accommodation is for exclusive use of the Administrator during Work Under the Contract and the size and any amenities required to be provided by the Contractor as stated in the Clause 3 of Annexure MRTS28.1. To encourage collaboration between all parties, the room shall be in the same building with the rest of the Contractor's staff and is to enable private meetings as required between the Administrator and the Principal.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28 Cl. 4.4.2
	Contractors camp complies with all requirements of MRTS52 and included in the E&SC plan.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28 Cl. 4.5.7
	Contractors camp complies with all requirements of MRTS28 a with a proposed site facility layout submitted to the administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item

	Contractors camp complies with all requirements of MRTS28 a with a proposed site facility layout submitted to the administrator.
	Reference - MRTS28 Cl.4.5.1
	Contractors camp complies with all requirements of MRTS28.1 Annexure
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28.1, C.I 3
	Supplementary Requirements completed as per C.L 8.1 & 8.2 & 8.3
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS28.1 Cl. 8, Additional Obligation Documents
	Final Verification
	Supervisor/QA Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

51.00 - Environmental Management Systems

ITP Templates - 51.00 - Environmental Management Systems

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Environmental Management Plan (Construction) EMP (C) submitted in accordance with Conditions of Contract.
	Check Item - Milestone
	Reference - MRTS51 Cl. 6.3
	Works under the Contract shall not start until the EMP (C) is assessed for suitability by the Administrator.
	Check Item - Hold Point 1
	Reference - MRTS51 Cl. 6.3
	Any amendments to the EMP (C) shall be submitted on a monthly basis and be assessed for suitability by the Administrator.
	Check Item - Hold Point 2
	Reference - MRTS51 Cl. 6.4
	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 Weekly basis.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 7.1
	The Contractor shall be responsible for the management of the below inline with the requirements outlined within the Additional Obligation Documents and MRTS51.1:
	o Landfill Gas Requirements
	o Contaminated Land Requirements
	o Water Quality Requirements
	o Bio Security Requirements
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - Contract Documents

	The Contractor shall be responsible for the management of Indigenous and non-Indigenous cultural heritage artefacts, sites and values within the worksite BCC organised Cultural Heritage Training completed and applicable inspection where required
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.4.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.5.2
	Project records shall include all noise monitoring results if required
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.6.3
	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.
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.6.2.3
	Where identified in Cl. 4.3 of Annexure MRTS51.1 the contractor shall undertake vibration monitoring at vibration sensitive receptors.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51.1 Cl. 8.6.1
	Project records that show compliance with the VMP and shall include all noise monitoring results (if required)
	Check Item - Check Item
	Reference - MRTS51.1 Cl. 8.6.2
	The contractor shall ensure that construction activities do not result in air quality impacts that cause environmental nuisance or harm. Burning of material shall not be permitted
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.7.3

	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.8
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.9.1
	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. Carry out Dawn and Dusk Frog Calling prior to Clearing works and other requirement Frog management where required inline with additional obligation documents
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.10.1
	A pre-clearing and post clearing report must be provided by the koala spotter.
	Check Item - Check Item
	Reference - MRTS51.1 Cl. 8.10.3
	The contractor shall be responsible for the management of vegetation within the worksite. The daily site inspections shall include visual assessments of vegetation management measures.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.11.1
	All declared pest known to occur within the worksite and associated management requirements are stated in Cl. 9.1 of Annexure MRTS51.1. The contractor shall manage all declared pests (Animals and Plants) within the worksite by preventing their spread on and off site
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.12.2
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual

	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.
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.13.2
	Fire Ant Inspection Carried out with TMR prior to works commencing. Certificates for applicable imported Items where required.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - BCC Supplied Certificate
	Monthly reporting requirements up-to-date copies of all monitoring results and tracking registers (including waste registers) within 5 business days of the end of a calendar month and upon request.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51.1 Cl4.2
	Maintain a animal tamping register inline with the SMP
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - SMP requirement
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 8.14.1
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

52.01 - Erosion and Sediment Control

ITP Templates - 52.01 - Erosion and Sediment Control

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	No construction work to commence before an Erosion and Sediment Control Plan has been submitted to the Administrator and assessed as suitable.
	Acceptance Criteria and Frequency (Project Specific) - Check Item
	Check Item - Hold Point 1
	Reference - MRTS52 Cl. 6.1
	The Contractor must install erosion and sediment controls associated with drainage paths flowing through the works area.
	Acceptance Criteria and Frequency (Project Specific) - Check Item
	Check Item - Hold Point 2
	Reference - MRTS52 Cl. 7.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Records
	Reference - MRTS52 Cl. 8.1
	The Contractor shall install a proprietary rain gauge and keep record of the rainfall depth of each rain event
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Records
	Reference - MRTS51 Cl. 8.2.3.2.1
	The Contractor shall maintain all erosion and sediment controls in effective working order including reconfiguring drainage lines as required during the construction process to ensure dirty water is directed into sediment controls at all times. Reuse of the water collected in sediment ponds or basins for dust suppression and roadworks is preferred over release into the environment. Where water is being stored for dust suppression the required design capacity of the basins shall be available.
	<ul style="list-style-type: none"> ◦ Sediment basins and other sediment controls shall be operated and maintained in a manner that minimises the risk of environmental harm. The design capacity of the upper settling volume shall be made available within 120 hours of the most recent rainfall event which causes runoff.
	<ul style="list-style-type: none"> ◦ The sediment storage zone shall be maintained at all times with the accumulated sediment removed in a manner that does not allow the sediment to be conveyed into a watercourse or offsite.

	The Contractor shall maintain all erosion and sediment controls in effective working order including reconfiguring drainage lines as required during the construction process to ensure dirty water is directed into sediment controls at all times. Reuse of the water collected in sediment ponds or basins for dust suppression and roadworks is preferred over release into the environment. Where water is being stored for dust suppression the required design capacity of the basins shall be available.
	<ul style="list-style-type: none"> Where coagulants or flocculants are used to treat stormwater, they must not cause harm to the receiving waters or environment. A jar test or streaming current detector (SCV) must be undertaken to estimate volumes of the coagulant or flocculant required and to reduce the risk of overdosing.
	<ul style="list-style-type: none"> Coagulants or flocculants containing aluminium (including alum and PAC) shall not be used when water is being discharged to an acidic environment where natural pH is less than 6.0 (such as wallum stream or wetland).
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 7.2
	The Contractor shall remove temporary controls when permanent measures are in place and/or Site stabilisation has occurred. This should occur prior to the end of the Defects Liability Period or the end of the Landscape and Revegetation Works Monitoring Period whichever is the later. The Contractor will not receive a Final Certificate until these temporary controls have been removed from the Site. Any areas used for erosion and sediment control shall be rehabilitated to the satisfaction of Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS51 Cl. 7.3
	The Contractor is required to conduct daily visual assessments of erosion and sediment control structures to verify their condition and effectiveness. The Contractor shall also conduct weekly site inspections. Where any defect or damage is identified it is required that they be rectified immediately. This information must be recorded at the time of inspection, and both daily and weekly records submitted in the Contractor's Weekly Site Inspection Reports (refer Clause 7.1 of MRTS51). The Contractor's ESCP's and EMP(C) shall document detailed response procedures to address any observed or documented sediment release or erosion.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Records
	Reference - MRTS51 .1 Cl. 4.1.1
	Independent ESC audits shall be undertaken in accordance with Section 9.1 of MRTS52 and includes one audit immediately following clearing and grubbing, one audit during any cut/fill activities and one audit at the end of major earthworks. Reports shall be submitted to the Administrator within three days of the audit.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Records
	Reference - MRTS51.1 Cl. 4.1.3
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

	Final Verification
Client Verify that the Above has been Constructed according to Specification	
Print Name:	
Date:	

70.01 - Placement of Concrete

ITP Templates - 70.01 - Placement of Concrete

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Concrete placed within 1 hour (conc. Temp ≤ 32 degrees) or 45 mins (32 > conc. temp < 35 degrees) from the time of charging the mixer unless a retardant is used and approved by the Administrator. No concrete may be placed the temperature of the concrete is less than 10°C or exceeds 35°C
	Acceptance Criteria and Frequency (Project Specific) - 10 < Temp < 35 Continuous
	Check Item - Check Item
	Reference - MRTS70 CI 13.1
	Falsework details provided to Administrator at least 4 weeks prior to erection.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS70 CI 15.3
	Design and erection of falsework, its founding, support and time, order and manner of release approved by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 2
	Reference - MRTS70 CI 15.3
	No concrete placed until falsework, formwork, reinforcement and stressing materials inspected by administrator, foreign material removed from forms and equipment and placement procedures approved.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 3
	Reference - MRTS70 CI 15.4.1
	Concrete operations shall not commence until all relevant procedures, listed in Table 5.2 have been approved by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 4
	Reference - MRTS70 CI 15.6

	No concrete shall be placed in the Works until:
	a) the formwork and reinforcement have been inspected
	b) all foreign material has been completely removed from the forms
	c) the mixing, batching, and compaction equipment have been approved by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 5
	Reference - MRTS70 CI 15.6.1
	Administrator to be present for placement of concrete, given 24 hours notice.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS70 CI 15.6.1
	Concrete slump is within tolerance (AS 1379 table 6) of approved target slump.
	Acceptance Criteria and Frequency (Project Specific) -
	Slump Test: Spread Test:
	<60 - ±10 500 - 600(HWC) ±80
	60<80 - ±15 650 - 700(HWC) ±50
	80<110 - ±20
	110<150 - ±30
	150< 200 - ±40
	Every Load
	Check Item - Check Item
	Reference - MRTS70 AS 1379 Table 6
	Samples for testing taken as required in accordance with claus 12. - min 2 cylinders/sample
	Acceptance Criteria and Frequency (Project Specific) - 1-3 Loads - Every Load
	o 4-10 Loads - 4 Samples
	o 11-23 Loads - 5 Samples
	o >24 Loads - n/4
	Check Item - Test Results

	Samples for testing taken as required in accordance with claus 12. - min 2 cylinders/sample
	Reference - MRTS70 CI 15.2
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS70 CI 16.5.2
	Fresh concrete shall not be placed against concrete which has taken its initial set.If an interruption greater than 45 minutes occurs, a construction joint approved by the Administrator shall be placed.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS70 CI.16.5.1
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 7
	Reference - MRTS70 CI 15.13
	Forms, falsework and centring shall remain in position until the times stated in CI15.8 and table 15.8 have elapsed after completion of concreting
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 6
	Reference - MRTS70 CI 15.8
	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
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS70 CI 15.8
	Following removal of forms
	<ul style="list-style-type: none"> o Fins and unwanted projections are ground off o Pockets and honeycombed areas repaired using approved methods o Where required in the drawings surfaces achieve class 1 finish or are bagged within 4 hours of stripping, then cured

	Following removal of forms
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Check Item
	Reference - MRTS70 CI 16.8.1
	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual < Specified MRTS70 CI 15.7.3
	Check Item - Check Item
	Reference - MRTS70 CI 15.7.3
	Acceptance or Rejection of Hardened Concrete
	Acceptance Criteria and Frequency (Project Specific) - a) < 0.9 Fc (Any sample)
	b) < Fc (Ave 3 consecutive samples from Lot)
	c) > 1.4 Fc (Ave 3 consecutive samples from Lot)
	In addition
	d) < 0.5 (Fc+Ft) (10 or more samples for Class of concrete in 4 consecutive weeks)
	Check Item - Test Results
	Reference - MRTS70 CI 12.5
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

Details: Concrete Record

	1 - Date
	Truck 1:

	1 - Date
	Truck 2:
	Truck 3:
	Truck 4:
	2 - Docket
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	3 - Time Batched
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	4 - Truck Arrival Time
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	5 - Load Size (m3)
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	6 - Mix
	7 - Slump (mm)
	Truck 1:
	Truck 2:

	7 - Slump (mm)
	Truck 3:
	Truck 4:
	8 - Slump Time
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	9 - Concrete Arrival Temperature (°C)
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	10 - Ambient Temperature at time of slump (°C)
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	11 - Time Start delivery
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:
	12 - Time Finish Delivery
	Truck 1:
	Truck 2:
	Truck 3:
	Truck 4:

70.03 - Supply of Concrete

ITP Templates - 70.03 - Supply of Concrete

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	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.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS70 CI 9.2
	Submission of long distance travel procedure - Where travel times are, by necessity, longer than 90 min as listed in AS 1379, a procedure for longdistance travel or extended placement times shall be submitted to the Administrator
	Check Item - Milestone
	Reference - MRTS70 CI 17.6.1
	Procedure for hot weather concreting submitted 2 weeks prior to first concrete pour.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS70 CI 13.1
	Procedure for curing submitted 2 weeks prior to first concrete pour.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS70 CI 15.11.1
	Procedure for temperature control submitted 4 weeks prior to first concrete pour
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS70 CI15.5
	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.
	Acceptance Criteria and Frequency (Project Specific) - f'c Each Mix

	When requested by the Administrator, mix designs shall have a trial mix completed. each trial mix shall be a Witness Point with a notice period of 3 days.
	Check Item - Witness Point
	Reference - MRTS70 CI 15.1.1
	No concrete shall be placed in the Works until approval of the mix design has been obtained from the Administrator
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 1
	Reference - MRTS70 CI 15.1
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

71.01 - Reinforcing Steel

ITP Templates - 71.01 - Reinforcing Steel

First Activity: No Activity
Last Activity: No Activity

Checklist: no activity

Passed: 0
Failed: 0
N/A: 0

Details

	Submission of proposed supplier of reinforcement with three days notice prior to supply.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Milestone
	Reference - MRTS71 CI 6.1
	Acceptance of supplier from Administrator
	Check Item - Hold Point 1
	Reference - MRTS71 CI 6.1
	Inspection of steel reinforcement before placement of concrete.
	Check Item - Hold Point 3
	Reference - MRTS71 CI 10
	The min. clear distance between parallel bars other than lapped bars shall be the greater of: 1.5 x the diameter of the larger bar, 1.5 x max nominal size of aggregate, or 40mm
	Check Item - Witness Point
	Reference - MRTS71 CI 10
	Permitted mechanical reinforcing bar splices listed in Clause 1 of MRTS71.1.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 4
	Reference - MRTS71 CI 11.3
	Installation of mechanical reinforcing bar splices as per provisions in Clause 11.3.2
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Witness Point
	Reference - MRTS71 CI 11.3.2

	No substitution of different size, grade or ductility class of steel reinforcement shall be placed unless approved by the Administrator.
	Acceptance Criteria and Frequency (Project Specific) - Visual
	Check Item - Hold Point 5
	Reference - MRTS71 CI 13
	Application for substitution of reinforcement forwarded to Administrator 3 weeks prior to supply
	Acceptance Criteria and Frequency (Project Specific) - f'c Each Mix
	Check Item - Milestone
	Reference - MRTS71 CI 13
	Final Verification
	Project Manager Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:
	Client Verify that the Above has been Constructed according to Specification
	Print Name:
	Date:

Attachments

