DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341	Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**
	Lot Number EMB	**Description**		**Date Opened**	
				Date Started	**04.05 Embankment**
Location	Steve Irwin Way	**Control Line**	**Chainage** -	**Date Finished**	

No.	Activity Description	Acceptance Criteria & Frequency (Project Specific)	Check Item Reference	Inspection SS/QA	Inspection Client/Rep	NCR	Related Lot #
1	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:_____	General fill material Class A WPI< 1200, PI>= 7, % passing .075mm 15 - 30 General fill material Class B 1200 < WP < 2200 General fill material Class C 2200 < WP < 3200 General fill material Class D 3200 < WP < 4000, PI <=50 CBR as Specified	Check Item MRTS04 Cl14.3.1 Table 14.3.1				
2	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	Table 14.2.3	Check Item MRTS04 Cl14.2.3				

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened**			
					Date Started			
Location	Steve Irwin Way	**Control Line**	**Chainage** -		**Date Finished**	**04.05 Embankment**		
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 300 mm high shall be cut into the ground surface to be covered by the Embankment. 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 MRTS04 Cl 14.3.3					

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened**			
					Date Started			
Location	Steve Irwin Way	**Control Line**	**Chainage** -		**Date Finished**	**04.05 Embankment**		

4	Compaction methods suitable for material type Compaction Method: _____	Table 15.2	Check Item MRTS04 Cl15.2				
5	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	RDD% Insitu - >95% Bottom of Excavations - >95% Subgrade (A/B) - >97% Subgrade (C/D)' - 90>96% Subgrade (C/D)* - > 95% Road Embankment(A/B) ->95% Road Embkmnt(C/D)' -90<96% Road Embkmnt(C/D)* ->95% Levee Embkmnt(A/B) - >97% Backfill(Sand) - >70% Backfill(Not Sand) - >95% ' High Rainfall Zone *Low Rainfall Zone	Check Item MRTS04 Cl15.3				

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened**			
					Date Started			
Location	Steve Irwin Way	**Control Line**	**Chainage** -		**Date Finished**	**04.05 Embankment**		

6	Compacted Layer Method: Embankment moisture content within ranges specified Rainfall Zone: _____	Table 15.3C	Check Item MRTS04 Cl15.3				
7	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	Table 15.4	**Witness Point 4** MRTS04 Cl15.4				
8	Geotextile placed at interchange between compaction methods	Visual	Check Item MRTS04 14.3.2				
9	Within Geometric Tolerance	MRTS04.1 Cl1.2	Check Item MRTS04.1 Cl1.2				

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened** **Date Started** **Date Finished**	**04.05 Embankment**		
Location	Steve Irwin Way	**Control Line**	**Chainage** -					
10	**Construction Testing Requirements: Test Method**	**Max. Lot Size** **Min. Testing Frequency** **Min. No. of Tests**	MRTS04 Table A3	**Note** Table 15.3A: Layer Thickness Min: 150mm & Max: 300mm				
11	Relative Moisture: Q250 Rainfall zone: Medium (500mm - 1000mm) Class A1 & B1: 70% - 90%	2000m2 1 per 500m2/per layer 4 per lot	Check Item Table A1					
12	Relative Compaction: Q140A Top 300mm below Subgrade = 97% Greater than 300mm below Subgrade = 95%	2000m2 1 per 500m2/per layer 4 per lot	Check Item Table A1					
13	Grading: Q103A	2000m2 1 per 1000m2/per layer 2 per lot	Check Item Table A1					
14	Plasticity Index: Q105	2000m2 1 per 1000m2/per layer 2 per lot	Check Item Table A1					

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened** **Date Started** **Date Finished**	**04.05 Embankment**		
Location	Steve Irwin Way	**Control Line**	**Chainage** -					
15	**Stockpile Testing Requirements: Test Method**	**Max. Lot Size** **Min. Testing Frequency** **Min. No. of Tests**	MRTS04 Table A3					
16	Grading: Q103A	2000m3 1 per 1000m3 2 per lot	Check Item Table A1					

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341		Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**		
	Lot Number EMB	**Description**			**Date Opened** **Date Started** **Date Finished**	**04.05 Embankment**		
Location	Steve Irwin Way	**Control Line**	**Chainage** -					
17	Plasticity Index: Q105	2000m3 1 per 1000m3 2 per lot	Check Item Table A1					
18	Emerson Class Number: As 1289.3.8.1	2000m3 1 per 1000m3 2 per lot	Check Item Table A1					

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341	Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**			
	Lot Number EMB	**Description**			**Date Opened**			
					Date Started			
Location	Steve Irwin Way	**Control Line**	**Chainage** -		**Date Finished**	**04.05**	**Embankment**	
19	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	Visual	**Hold Point 8** MRTS04 Cl. 14.2.1					

DOVAL CONSTRUCTIONS	**Steve Irwin Way Stage 2**			**Doval Project No.** A24 017 **Client Project No.** CN18341	Inspection & Test Plan **Prepared By: Jan van Wyk** **Approved By: Dan Marks** **Date Approved: 28/05/2024**
	Lot Number EMB	**Description**		**Date Opened** **Date Started**	**04.05 Embankment**
Location	Steve Irwin Way	**Control Line**	**Chainage** -	**Date Finished**	

General Comments

Project Manager Verify that the Above has been Constructed according to Specification			Client Verify that the Above has been Constructed according to Specification		
Print Name	Signature	Date	Print Name	Signature	Date