



TABLE (A) CONTRACT EN3587 SHANGONI ROAD PHASE 1									
150 mm GRAVEL WEARING COURSE									
LAYER No.	LAYER THICKNESS	LAYER DESCRIPTION	CLASSIFICATION ACCORDING TO THE COTO STANDARDS	COMPACTION OF PAVEMENT LAYER TESTED ON ROAD COMPACTION EXPRESSED IN % OF MAXIMUM DRY DENSITY	GEOMECHANICAL PARAMETERS OF ROAD CONSTRUCTION MATERIALS MUST CONFORM TO THE COTO STANDARDS				
					PI	GM	MINIMUM CBR @ % OF MDD	MINIMUM UCS @ 100% OF MDD	MINIMUM ITS @ 100% OF MDD
1 (A)	150 mm	Gravel Wearing Course * (Obtained from cut or borrow)	Requirements: Refer to COTO Table A4.1.5-11	95%	PI between 6 & 12	-	15 @ 95%	Shrinkage product (S _w) (100 - 240) Grading coefficient (G _c) (15 - 35)	
2 (A)	150 mm	Lower Subbase * (Obtained from cut or borrow)	G6	95%	PI ≤ (2xGM) + 10	2.5 ≥ GM ≥ 1.5	25 @ 95%	-	
3 (A)	100 mm	Lower Selected * (Obtained from cut or borrow)	G7	93%	PI ≤ (3xGM) + 10	2.7 ≥ GM ≥ 0.75	15 @ 93%	-	
4 (A)	150 mm	Roadbed (The in-situ material on which the fill, or in the absence of fill, any pavement layers, are to be constructed)	-	Rip and re-compact to 90% of MDD (if required)	-	-	Where the in-situ subgrade has CBR < 3, special measures need to be instructed by the Engineer. (Typical a 300mm rockfill pioneer layer, if required)		
5 (A)	In layers of 200 mm or less	Fill * (Obtained from cut or borrow)	G9 (min)	93%	PI ≤ (3xGM) + 10	2.7 ≥ GM ≥ 0.75	7 @ 93%	-	
May 2024	Pavement Design conform to the CSIR Human Settlement Planning and Design Manual.				* The use of material obtained from in-situ, cut or borrow will be allowed if the laboratory tested quality is within specification.				