

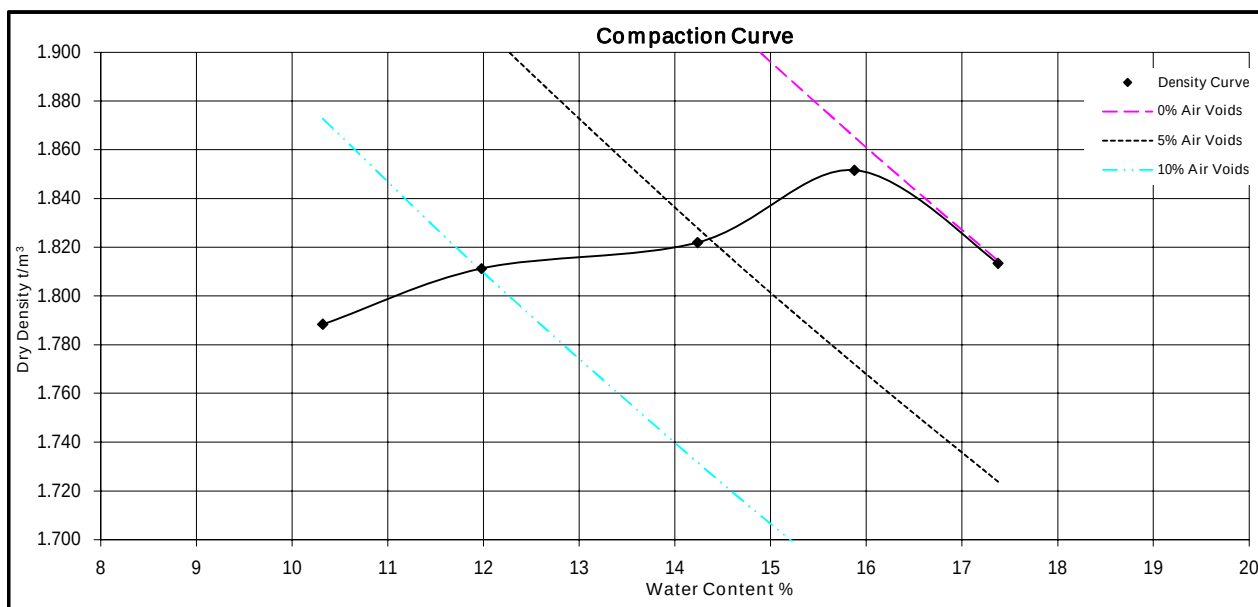
**DRY DENSITY / WATER CONTENT RELATIONSHIP
STANDARD COMPACTION**



Project : Reference Test
 Location : Hastings
 Client : Jim Bishop
 Contractor : Awakeri Drainage Ltd
 Sampled by : Wayne
 Date sampled : 17/10/22
 Sampling method : Client Sampled
 Sample description : Gravel - AP40 & Silt Mix
 Sample condition : Damp
 Solid density : 2.65 t/m³ (Assumed)
 Source : Hastings Quarry

Project No : 2-L0175.12
 Lab Ref No : NA6012 / A
 Client Ref No : AS40B

Test Results							
Maximum dry density	1.85	t/m ³	Natural water content	14.2	%		
Optimum water content	15.9	%	Fraction tested	Passing 19 mm Test Sieve			
Sample ID	-3	-1.5	Nat	1.5	3		
Bulk density t/m ³	1.973	2.028	2.081	2.146	2.129		
Water content %	10.3	12.0	14.2	15.9	17.4		
Dry density t/m ³	1.788	1.811	1.822	1.852	1.813		
Sample condition	DRY LOOSE	MOIST TIGHT	MOIST TIGHT	WET TIGHT	WET SOFT		



Test Methods	Notes
Compaction NZS 4402 : 1986 Test 4.11 (Standard)	

Date tested : 20/10/22
 Date reported : 25/10/22

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Approved S.Ranapiri

Designation : Civil Engineering Technician
 Date : 25/10/22