



Solomon Islands Government
Ministry of Infrastructure Development
MID- Construction Materials Laboratory

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Laboratory Form	LF-WS12

Dynamic Cone Penetrometer Test Results

Client: MECDMM

Project: Selwyn College Solar Power Foundation

Job No: 077-001

Date: 11.07.2018

Visual Description:

Black Gravelly Sand

Lab No	Depths (mm)	Blows	R Value (mm/blow)	CBR	Layer Thickness (mm)
Test point 1	100	3	33.3	7.4	100
	200	2	50.0	4.8	100
	300	1	100.0	2.3	100
	400	4	25.0	10.1	100
	500	7	14.3	18.2	100
	600	1	100.0	2.3	100
	700	2	50.0	4.8	100
	800	1	100.0	2.3	100
	900	1	100.0	2.3	100
	1000	1	100.0	2.3	100
	1100	2	50.0	4.8	100
	1200	2	50.0	4.8	100
	1300	3	33.3	7.4	100
	1400	3	33.3	7.4	100
1500	3	33.3	7.4	100	
Test point 2	100	2	50.0	4.8	100
	200	2	50.0	4.8	100
	300	2	50.0	4.8	100
	400	2	50.0	4.8	100
	500	3	33.3	7.4	100
	600	3	33.3	7.4	100
	700	4	25.0	10.1	100
	800	3	33.3	7.4	100
	900	4	25.0	10.1	100
	1000	3	33.3	7.4	100
	1100	4	25.0	10.1	100
	1200	4	25.0	10.1	100
	1300	4	25.0	10.1	100
	1400	5	20.0	12.7	100
1500	5	20.0	12.7	100	

Test point 3	100	3	33.3	7.4	100
	200	4	25.0	10.1	100
	300	3	33.3	7.4	100
	400	7	14.3	18.2	100
	500	6	16.7	15.4	100
	600	4	25.0	10.1	100
	700	3	33.3	7.4	100
	800	3	33.3	7.4	100
	900	3	33.3	7.4	100
	1000	4	25.0	10.1	100
	1100	6	16.7	15.4	100
	1200	6	16.7	15.4	100
	1300	7	14.3	18.2	100
	1400	6	16.7	15.4	100
	1500	6	16.7	15.4	100
Test point 4	100	5	20.0	12.7	100
	200	5	20.0	12.7	100
	300	5	20.0	12.7	100
	400	4	25.0	10.1	100
	500	5	20.0	12.7	100
	600	3	33.3	7.4	100
	700	4	25.0	10.1	100
	800	4	25.0	10.1	100
	900	6	16.7	15.4	100
	1000	5	20.0	12.7	100
	1100	4	25.0	10.1	100
	1200	3	33.3	7.4	100
	1300	4	25.0	10.1	100
	1400	5	20.0	12.7	100
	1500	5	20.0	12.7	100
Test point 5	100	2	50.0	4.8	100
	200	1	100.0	2.3	100
	300	1	100.0	2.3	100
	400	4	25.0	10.1	100
	500	4	25.0	10.1	100
	600	3	33.3	7.4	100
	700	3	33.3	7.4	100
	800	2	50.0	4.8	100
	900	1	100.0	2.3	100
	1000	1	100.0	2.3	100
	1100	1	100.0	2.3	100
	1200	1	100.0	2.3	100
	1300	1	100.0	2.3	100
	1400	1	100.0	2.3	100
	1500	3	33.3	7.4	100

Test point 6	100	2	50.0	4.8	100
	200	2	50.0	4.8	100
	300	1	100.0	2.3	100
	400	1	100.0	2.3	100
	500	1	100.0	2.3	100
	600	1	100.0	2.3	100
	700	1	100.0	2.3	100
	800	1	100.0	2.3	100
	900	3	33.3	7.4	100
	1000	4	25.0	10.1	100
	1100	3	33.3	7.4	100
	1200	1	100.0	2.3	100
	1300	1	100.0	2.3	100
	1400	2	50.0	4.8	100
	1500	3	33.3	7.4	100
Test point 7	100	3	33.3	7.4	100
	200	2	50.0	4.8	100
	300	3	33.3	7.4	100
	400	2	50.0	4.8	100
	500	3	33.3	7.4	100
	600	3	33.3	7.4	100
	700	3	33.3	7.4	100
	800	3	33.3	7.4	100
	900	2	50.0	4.8	100
	1000	2	50.0	4.8	100
	1100	3	33.3	7.4	100
	1200	2	50.0	4.8	100
	1300	3	33.3	7.4	100
	1400	2	50.0	4.8	100
	1500	2	50.0	4.8	100
Test point 8	100	1	100.0	2.3	100
	200	2	50.0	4.8	100
	300	3	33.3	7.4	100
	400	2	50.0	4.8	100
	500	3	33.3	7.4	100
	600	2	50.0	4.8	100
	700	3	33.3	7.4	100
	800	3	33.3	7.4	100
	900	5	20.0	12.7	100
	1000	4	25.0	10.1	100
	1100	3	33.3	7.4	100
	1200	5	20.0	12.7	100
	1300	5	20.0	12.7	100
	1400	3	33.3	7.4	100
	1500	3	33.3	7.4	100

Test point 9	100	2	50.0	4.8	100
	200	3	33.3	7.4	100
	300	2	50.0	4.8	100
	400	3	33.3	7.4	100
	500	2	50.0	4.8	100
	600	3	33.3	7.4	100
	700	2	50.0	4.8	100
	800	2	50.0	4.8	100
	900	3	33.3	7.4	100
	1000	1	100.0	2.3	100
	1100	2	50.0	4.8	100
	1200	3	33.3	7.4	100
	1300	3	33.3	7.4	100
	1400	2	50.0	4.8	100
	1500	2	50.0	4.8	100

<p>NOTES TO TESTING</p> <p>Test Method: AS1289.6.3.2</p> <p>R is Refusal of penetration.</p> <p>The test points are from 500mm below ground level.</p>	<p>Job Number: 077-001</p> <p>Date Tested:</p> <p>Signature:</p> <p>Name:</p>
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