

Laboratory Test Report

300 Sierra Manor Dr. Suite 1 Reno, NV 89511 Ph: 775-851-8205

Client:	A & K EARTHMOVERS, INC.	Project Number.:	1013
Client Contact:	COLTAN HIATT	Lab Number:	33576
Project Name:	BELLA VISTA PIT AGGREGATE TESTING	Material:	STRUCTURAL FILL
Source:	PLANT STOCKPILE	Date Tested:	8/2/2019
Date Sampled:	7/31/2019	Date Completed:	8/8/2019
Sampled By:	CLIENT	Reviewed By:	S. VINEIS

SOILS AND AGGREGATE TESTING

Test Method	Sieve Analysis	Percent Passing	2016 SSPWC Specification
	4 Inch		100
	3 Inch		
	2 Inch		
	1 1/2 Inch		
	1 Inch	100	
	3/4 Inch	90	70-100
	1/2 inch	69	
	3/8 Inch	59	
NEV T206	No. 4	44	
NEV 1200	No. 8	35	
	No. 10	32	
	No. 16	27	
	· No. 30	21	
	No. 40	20	15-65
	No. 50	19	
	No. 100	16	
	No. 200	14.3	5-20
	Fineness Modulus		

*DOES NOT MEET SPECIFICATIONS

MATERIAL PROPERTIES

Test & Test Method	Sample Results	2016 SSPWC Specification
Liquid Limit ASTM D4318	30	35 maximum
Plasticity Index ASTM D4318	12	12 Maximum
111 211 4 222 5 7		*
R-Value ASTM D2844	52	30 Minimum
	÷ 7	

*DOES NOT MEET SPECIFICATIONS

MOISTURE DENSITY CURVE

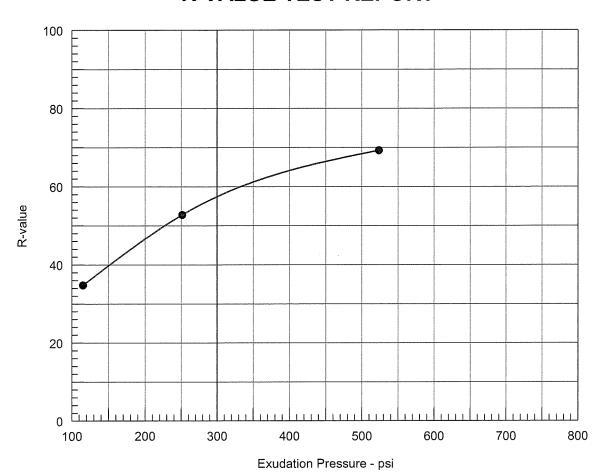
Test Type	Test Method	Sample Results	Specifications	
Maximum Dry Density	ASTM D1557	123.8	-	
Optimum Moisture ASTM D1557		9.2	-	

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Construction Materials Engineers, Inc.

Roger O Corkill Jr., PE

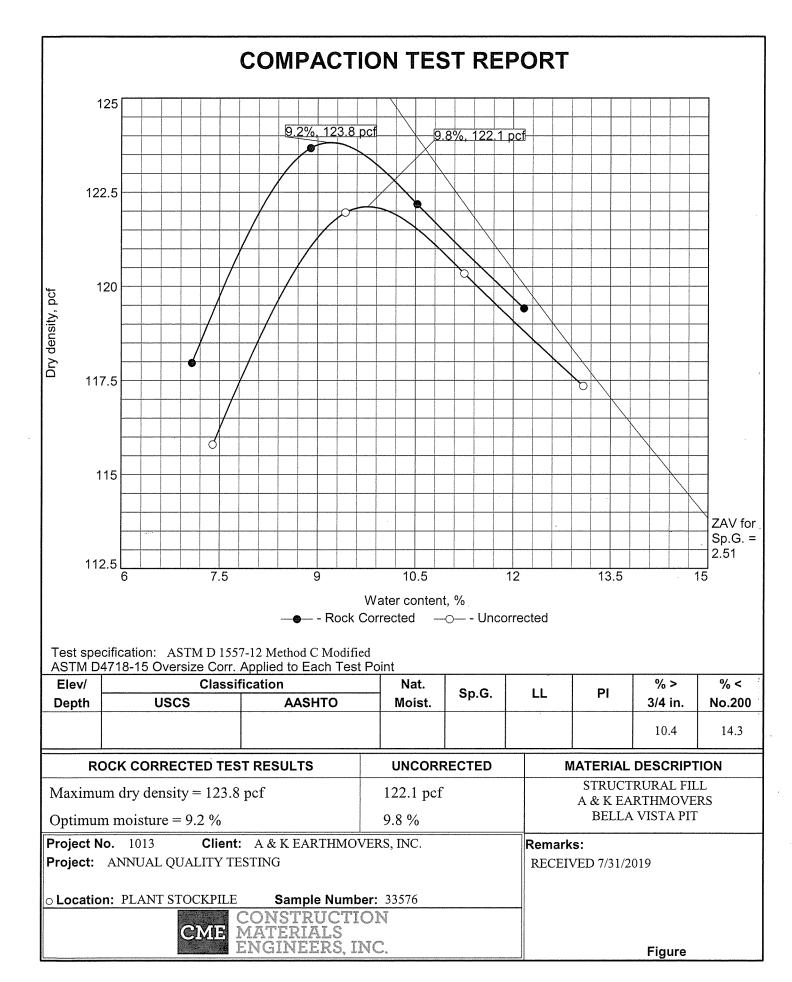
R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	350	117.8	9.7	0.00	34	2.48	524	69	69
2	350	119.1	10.5	0.00	- 55	2.42	252	55	53
3	. 350	117.8	13.1	0.00	89	2.55	115	35	35
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Test Results	Material Description		
R-value at 300 psi exudation pressure = 57	STRUCTRURAL FILL A & K EARTHMOVERS BELLA VISTA PIT		
Project No.: 1013 Project: ANNUAL QUALITY TESTING Location: PLANT STOCKPILE Sample Number: 33576	Tested by: S. VINEIS Checked by: R. CORKILL, JR. Remarks: RECEIVED 7/31/2019		
CONSTRUCTION MATERIALS ENGINEERS, INC.	Figure 1A		



Tested By: J. WALTZ Checked By: S. VINEIS