

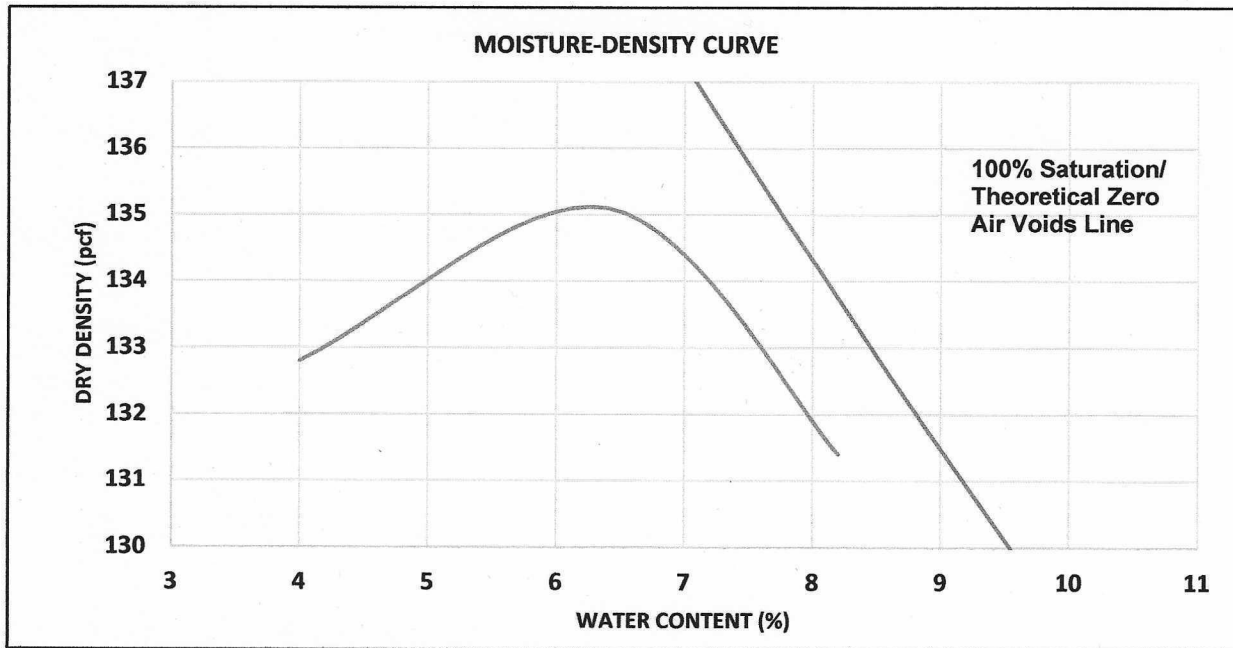


# CONSTRUCTION TESTING & ENGINEERING, INC.

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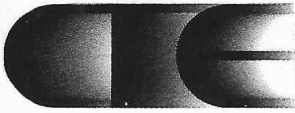
## SOIL MOISTURE-DENSITY RELATIONSHIP

<b>CLIENT:</b>	Lakeview Rock Products	<b>DATE:</b>	March 29, 2024, Fri.
<b>PROJECT:</b>	QC Testing, Lower Pit	<b>WORK ORDER:</b>	3639
<b>CONTRACTOR:</b>	Lakeview Rock Products	<b>FILE:</b>	125-24
<b>TEST METHOD:</b>	ASTM D 1557-91 / AASHTO T-180, Method C		
<b>PROCTOR DATA</b>			
<b>SOURCE OF MATERIAL:</b>	Lower Pit stockpile		
<b>-3/4" MAXIMUM DRY DENSITY:</b>	135.1		
<b>-3/4" OPTIMUM MOISTURE CONTENT:</b>	6.3		
<b>MOISTURE CONTENT AS RECEIVED:</b>	6.1		
<b>QUALITATIVE / PHYSICAL SOIL DESCRIPTION (ASTM D 2487 / D 2488):</b> <u>3/4" Random Fill Material:</u> Coarse-grained soil comprised of 42.0% well-graded, predominantly angular sand; 35.1% well-graded, fine (-3/4") subangular to angular gravel; and 22.9% non-plastic silt. Soil color: Medium rust-tan at optimum moisture; light rust-tan when dry. Note: See related/attached sieve analysis test report (pg 2).			



CONSTRUCTION TESTING & ENGINEERING, INC.  
CERTIFIED TEST REPORT:

David K. Megeath, Manager



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## SOILS TEST REPORT

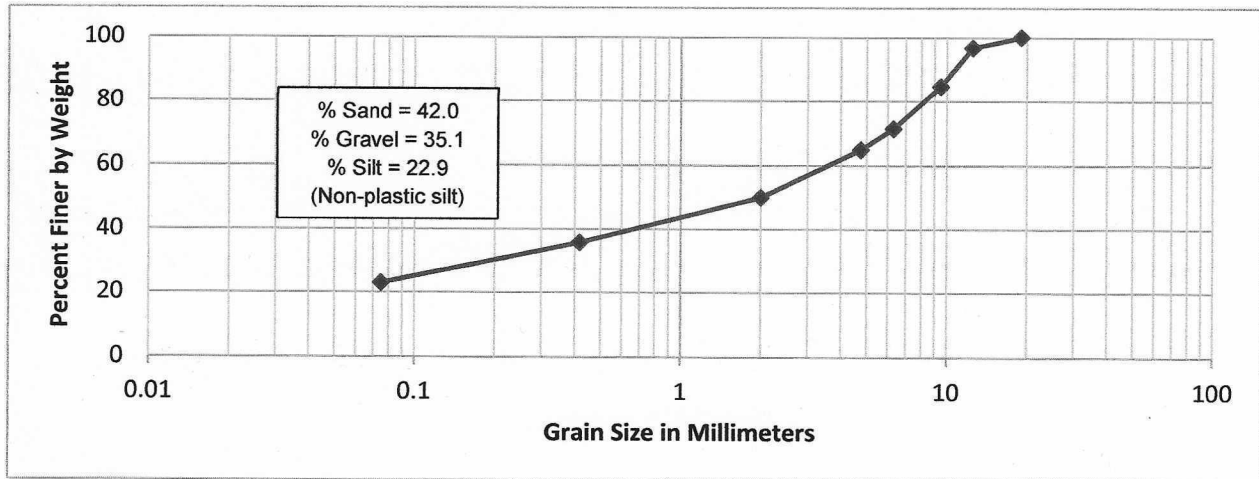
CLIENT: Lakeview Rock Products  
PROJECT: QC Testing, Lower Pit  
RE: 3/4" Random Fill Material  
SPECIFICATION REQUIREMENTS: Reference testing

DATE: March 29, 2024, Fri.  
FILE #: 125-24 / WO #: 3639

### SIEVE ANALYSIS RESULTS ASTM C 117 / C 136

Sieve Size	Sieve Opening in mm	Individual % Retained	Accumulated % Retained	**RESULTS** % Passing	Ideal/Tolerance Gradation % Passing
3/4"	19.0	0	0	100	NA
1/2"	12.5	3.3	3.3	96.7	---
3/8"	9.5	12.1	15.4	84.6	---
1/4"	6.3	13.2	28.6	71.4	---
#4	4.75	6.5	35.1	64.9	---
#10	2.0	14.9	50.0	50.0	---
#40	.417	14.2	64.2	35.8	---
#200	.075	12.9	77.1	22.9	---

Test sample dry weight: 2642 grams



#### REMARKS:

Source of material: Lower Pit stockpile  
Gravel, sand physical characteristics: Predominantly angular  
See related/attached proctor test report (pg 1).

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