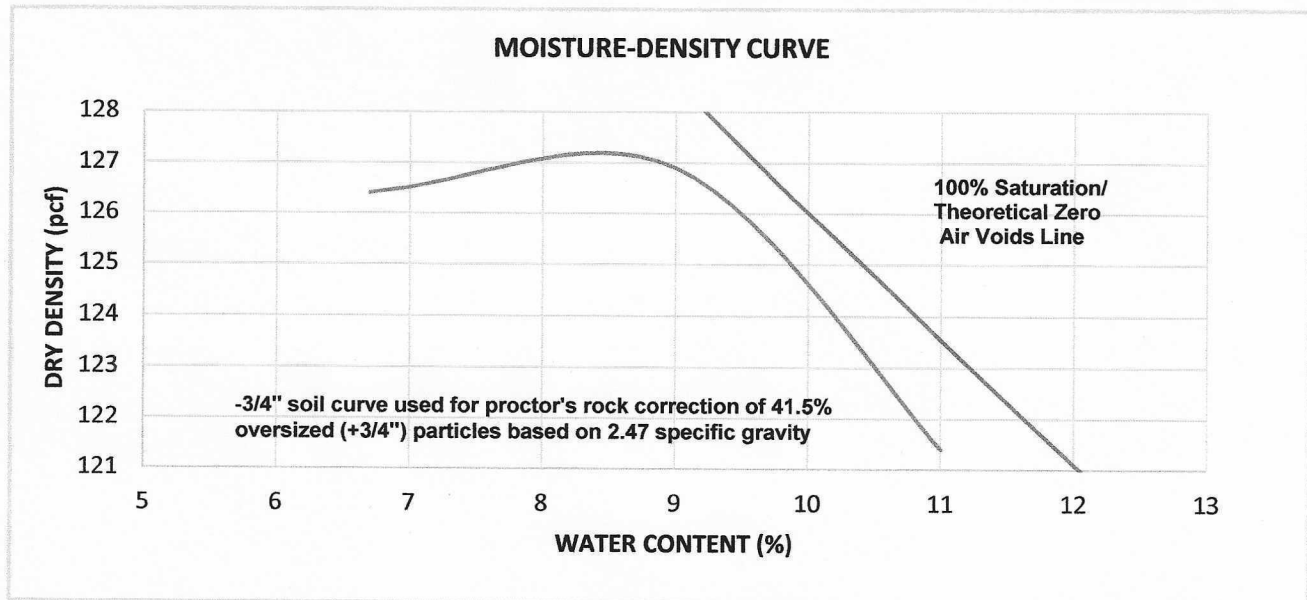


# CONSTRUCTION TESTING & ENGINEERING, INC.

P.O. BOX 271125, SALT LAKE CITY, UTAH 84127-1125  
(801) 972-4001 • Construction.Testing@gmail.com

## SOIL MOISTURE-DENSITY RELATIONSHIP

<b>CLIENT:</b>	Lakeview Rock Products	<b>DATE:</b>	April 12, 2024, Fri.
<b>PROJECT:</b>	QC Testing, Lower Pit	<b>WORK ORDER:</b>	3749
<b>CONTRACTOR:</b>	Lakeview Rock Products	<b>FILE:</b>	125-24
<b>TEST METHOD:</b>	ASTM D 1557 (corrected for oversize [+3/4"] particles per ASTM D 4718, ASTM C 127)		
<b>PROCTOR DATA</b>			
<b>SOURCE OF MATERIAL:</b>		Lower Pit stockpile	
<b>OVERSIZED PARTICLE CORRECTED MAXIMUM DRY DENSITY (PROCTOR RESULT):</b>		137.2	
<b>OVERSIZED PARTICLE CORRECTED OPTIMUM MOISTURE CONTENT (PROCTOR RESULT):</b>		7.7	
<b>-3/4" MAXIMUM DRY DENSITY:</b>		127.2	
<b>-3/4" OPTIMUM MOISTURE CONTENT:</b>		8.5	
<b>MOISTURE CONTENT AS RECEIVED:</b>		7.5	
<b>QUALITATIVE / PHYSICAL SOIL DESCRIPTION (ASTM D 2487 / D 2488):</b> <u>Screened 5" Recycled Concrete Fill:</u> Coarse-grained soil comprised of 56.0% gap-graded (missing intermediate sizes), angular 5" minus (crushed) concrete/gravel; 30.7% well-graded, angular sand; and 13.3% non-plastic silt. Soil color: Medium grey-brown at optimum moisture; light to medium grey 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

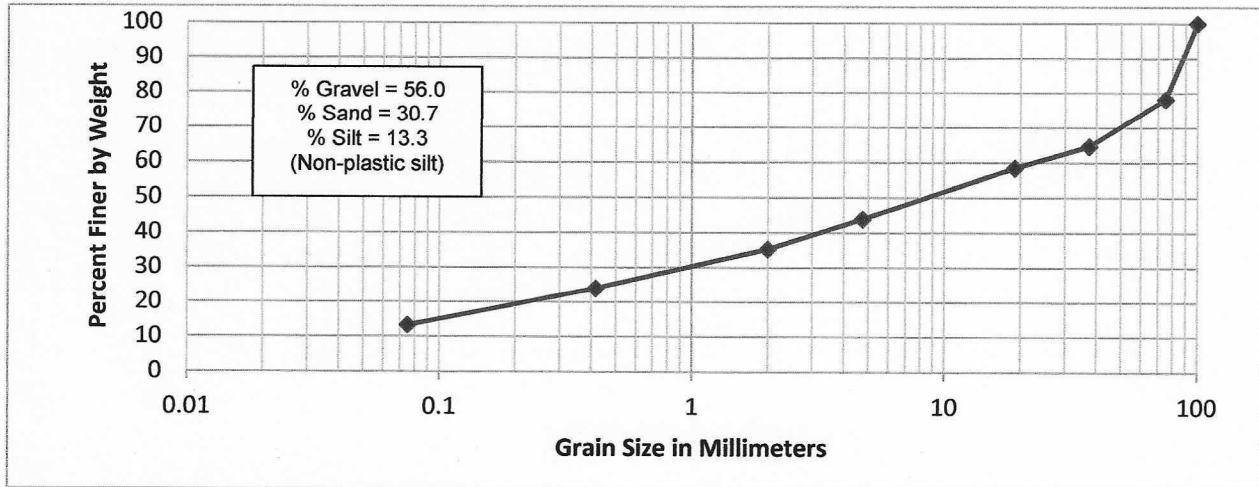
CLIENT: Lakeview Rock Products  
PROJECT: QC Testing, Lower Pit  
RE: Screened 5" Recycled Concrete  
SPECIFICATION REQUIREMENTS: NA, reference testing

DATE: April 12, 2024, Fri.  
FILE #: 125-24 / WO #: 3749

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

Sieve Size	Sieve Opening in mm	Individual % Retained	Accumulated % Retained	**RESULTS** % Passing	Ideal /Tolerance Gradation % Passing
5"	127.0	0	0	100	100
3"	75.0	21.9	21.9	78.1	NA
1-1/2"	37.5	13.5	35.4	64.6	"
3/4"	19.0	6.1	41.5	58.5	"
#4	4.75	14.5	56.0	44.0	"
#10	2.0	8.6	64.6	35.4	"
#40	.417	11.4	76.0	24.0	"
#200	.075	10.7	86.7	13.3	"

Test sample dry weight: 5021 grams (split sample)



#### REMARKS:

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

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CERTIFIED TEST REPORT:

David K. Megeath, Manager