

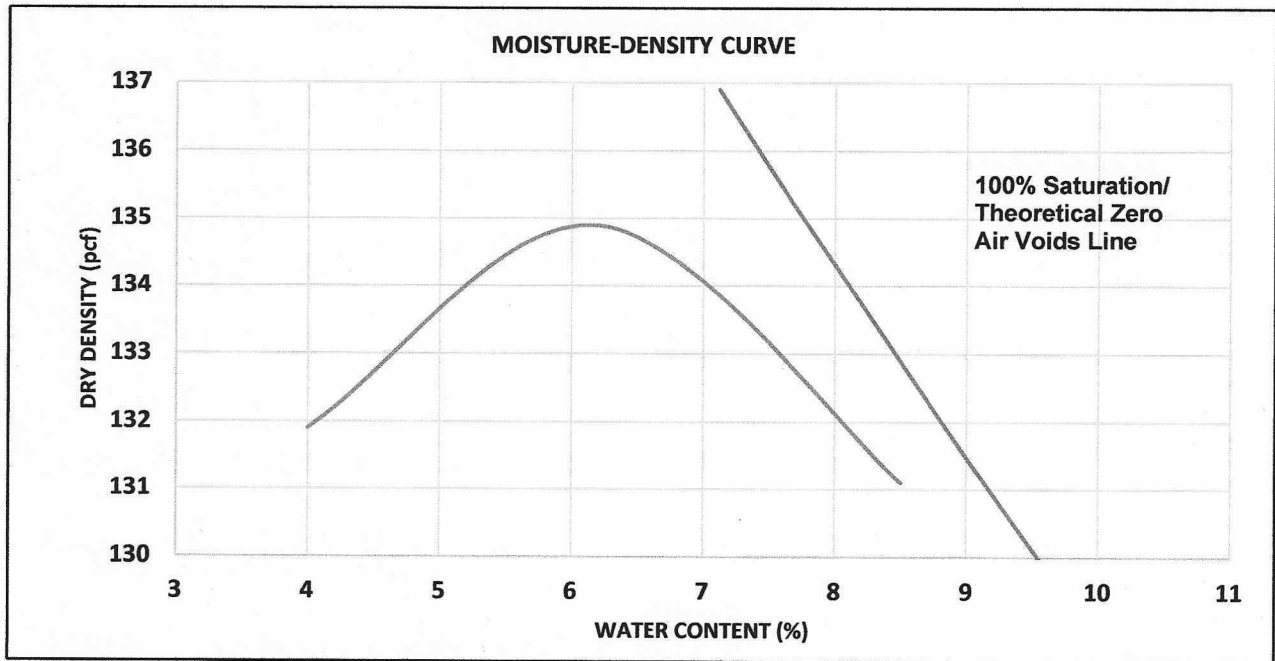


CONSTRUCTION TESTING & ENGINEERING, INC.

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

SOIL MOISTURE-DENSITY RELATIONSHIP

CLIENT:	Lakeview Rock Products	DATE:	March 29, 2024, Fri.
PROJECT:	QC Testing, Upper Pit	WORK ORDER:	3639
CONTRACTOR:	Lakeview Rock Products	FILE:	125-24
TEST METHOD:	ASTM D 1557-91 / AASHTO T-180, Method C		
PROCTOR DATA			
SOURCE OF MATERIAL:	Upper Pit stockpile		
-3/4" MAXIMUM DRY DENSITY:	134.9		
-3/4" OPTIMUM MOISTURE CONTENT:	6.2		
MOISTURE CONTENT AS RECEIVED:	6.4		
QUALITATIVE / PHYSICAL SOIL DESCRIPTION (ASTM D 2487 / D 2488):			
Upper Pit's 3/4" Commercial Road Base:			
Coarse-grained soil comprised of 43.9% well-graded angular sand; 30.9% well-graded angular -3/4" gravel; and 25.2% non-plastic silt. Soil color: Medium tan-rust at optimum moisture; light tan-rust 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, Upper Pit

RE: 3/4" Commercial Road Base

SPECIFICATION REQUIREMENTS: NA, (State Spec, Table 3, 3/4" grading band used only as a referenced target)

DATE: March 29, 2024, Fri.

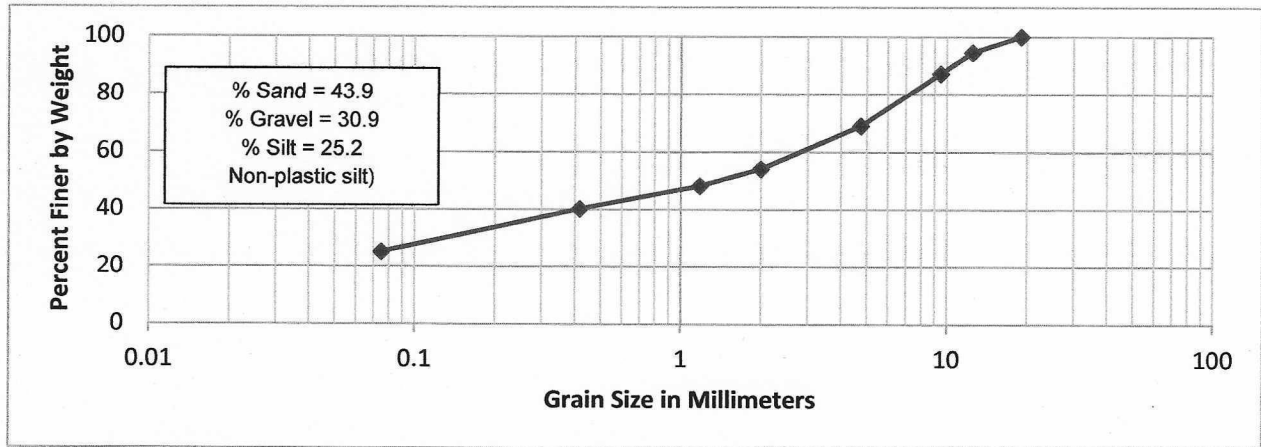
FILE #: 125-24 / WO #: 3639

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	100
1/2"	12.5	5.5	5.5	94.5	---
3/8"	9.5	7.3	12.8	87.2	78-92
#4	4.75	18.1	30.9	69.1	55-67
#10	2.0	14.9	45.8	54.2	---
#16	1.18	6.0	51.8	48.2	28-38
#40	.417	8.0	59.8	40.2	---
#200	.075	15.0	74.8	25.2	7-11

Test sample dry weight: 2631 grams



REMARKS:

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

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