

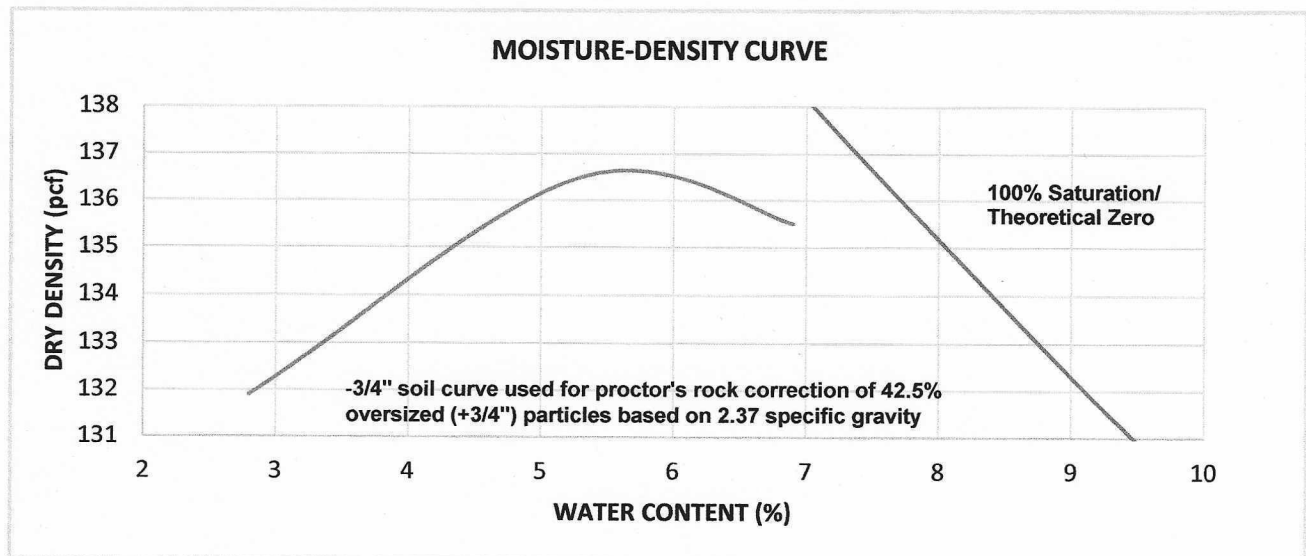


CONSTRUCTION TESTING & ENGINEERING, INC.

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:	April 9, 2024, Tue.
PROJECT:	QC Testing, Upper Pit	WORK ORDER:	3714
CONTRACTOR:	Lakeview Rock Products	FILE:	125-24
TEST METHOD:	ASTM D 1557 (corrected for oversize [+3/4"] particles per ASTM D 4718, ASTM C 127)		
PROCTOR DATA			
SOURCE OF MATERIAL:	Upper Pit stockpile		
OVERSIZED PARTICLE CORRECTED MAXIMUM DRY DENSITY (PROCTOR RESULT):	141.2		
OVERSIZED PARTICLE CORRECTED OPTIMUM MOISTURE CONTENT (PROCTOR RESULT):	5.3		
-3/4" MAXIMUM DRY DENSITY:	136.7		
-3/4" OPTIMUM MOISTURE CONTENT:	5.6		
MOISTURE CONTENT AS RECEIVED:	3.7		
QUALITATIVE / PHYSICAL SOIL DESCRIPTION (ASTM D 2487 / D 2488): <u>Screened 3" Granular Bank-Run:</u> Coarse-grained soil comprised of 59.4% well-graded, predominantly angular to subangular minus 3" (crushed) gravel; 23.4% well-graded angular sand; and 17.2% non-plastic silt. Soil color: Medium to dark rust-tan at optimum moisture; light to medium 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

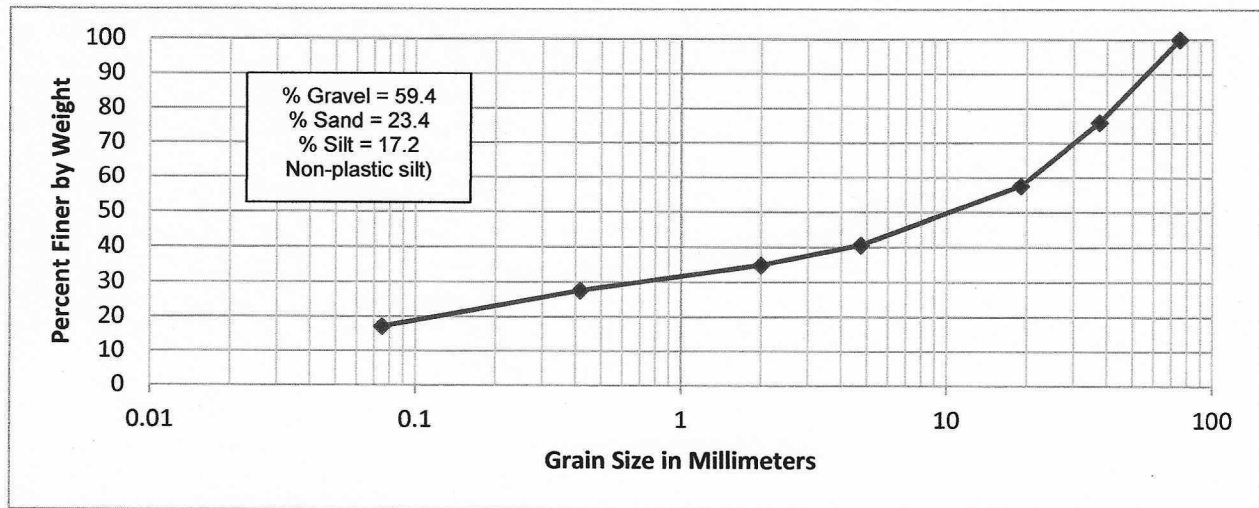
CLIENT: Lakeview Rock Products
PROJECT: QC Testing, Upper Pit
RE: Screened 3" Granular Bank-Run
SPECIFICATION REQUIREMENTS: NA, reference testing

DATE: April 9, 2024, Tue.
FILE #: 125-24 / **WO #:** 3714

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"	75.0	0	0	100	100
1-1/2"	37.5	24.0	24.0	76.0	NA
3/4"	19.0	18.5	42.5	57.5	"
#4	4.75	16.9	59.4	40.6	"
#10	2.0	5.7	65.1	34.9	"
#40	.417	7.3	72.4	27.6	"
#200	.075	10.4	82.8	17.2	"

Test sample dry weight: 5386 grams (split sample)



REMARKS:

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

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