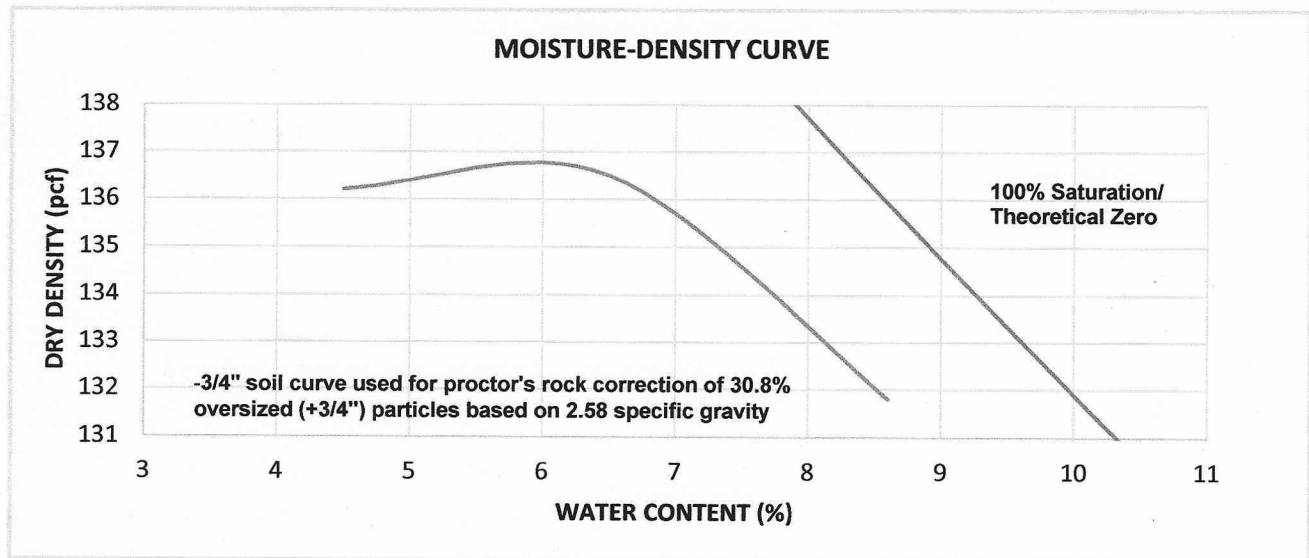


CONSTRUCTION TESTING & ENGINEERING, INC.

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SOIL MOISTURE-DENSITY RELATIONSHIP

CLIENT:	Lakeview Rock Products	DATE:	March 29, 2024, Fri.
PROJECT:	QC Testing, North Pit	WORK ORDER:	3639
CONTRACTOR:	Lakeview Rock Products	FILE:	125-24
TEST METHOD:	ASTM D 1557, Method D (corrected for oversize [+3/4"] particles per ASTM D 4718, ASTM C 127)		
PROCTOR DATA			
SOURCE OF MATERIAL:	North Pit stockpile		
OVERSIZED PARTICLE CORRECTED MAXIMUM DRY DENSITY(PROCTOR RESULT):	143.4		
OVERSIZED PARTICLE CORRECTED OPTIMUM MOISTURE CONTENT (PROCTOR RESULT):	4.8		
-3/4" MAXIMUM DRY DENSITY:	136.8		
-3/4" OPTIMUM MOISTURE CONTENT:	5.9		
MOISTURE CONTENT AS RECEIVED:	3.6		
QUALITATIVE / PHYSICAL SOIL DESCRIPTION (ASTM D 2487 / D 2488): <u>North Pit's 3" A-1-a Fill:</u> Coarse-grained soil comprised of 56.4% well-graded, predominantly angular minus 3" gravel; 28.7% well-graded angular sand; and 14.9% non-plastic silt. Soil color: Medium gold-tan at optimum moisture; light to medium 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, North Pit
RE: 3" A-1-a fill

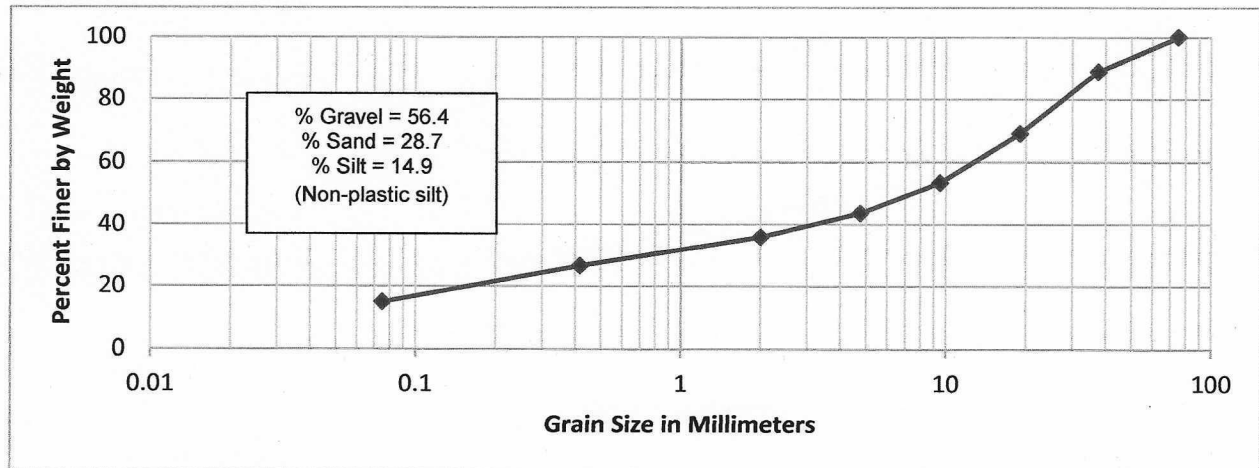
DATE: March 29, 2024, Fri.
FILE #: 125-24 / WO #: 3639

SPECIFICATION REQUIREMENTS: AASHTO A-1-a tolerances, see below

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	11.2	11.2	88.8	---
3/4"	19.0	19.6	30.8	69.2	---
3/8"	9.5	15.8	46.6	53.4	---
#4	4.75	9.8	56.4	43.6	---
#10	2.0	7.7	64.1	35.9	50% max
#40	.417	9.3	73.4	26.6	30% max
#200	.075	11.7	85.1	14.9	15% max

Test sample dry weight: 5306 grams (split sample)



REMARKS:

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

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