Special Testing Lab, Inc.
21 Henry Street
Bethel, Ct. 06801
(203) 743-7281

Sieve Analysis

ONE SET OF SIEVES ONLY: x

ASTM C-136

Date Received: 02/19/25
Date Tested: 02/20/25
Sample #: 25S0018F
Material: Onsite
Color: Gray

By: Client
Project: Lawton Adams
Client: Lawton Adams
Date Issued: 02/27/25
Lab Tech: BS

STL Standard General

Gravel Section
Weights are Cumulative: x

Sieve US	Size mm	**Cumulative Retained Weight**	Cumulative Percent Retained	**Cumulative Percent Passing**	Interpolated Percent Passing	**Specs Max**	**Min**
6.00"	152.40	**0.00**	0.0%	**100%**	100.0%		
4.00"	101.60	**0.00**	0.0%	**100%**	100.0%		100 %
3.00"	76.20	**0.00**	0.0%	**100%**	100.0%		
2.50"	63.00				100.0%		
2.00"	50.00	**0.00**	0.0%	**100%**	100.0%		
1.75"	45.00				100.0%		
1.50"	37.50	**0.00**	0.0%	**100%**	100.0%		
1.25"	31.50				100.0%		
1.00"	25.00	**0.00**	0.0%	**100%**	100.0%		
7/8"	22.40				100.0%		
3/4"	19.00	**0.00**	0.0%	**100%**	100.0%		
5/8"	16.00				98.1%		
1/2"	12.50	**38.77**	4.2%	**96%**	95.8%		
3/8"	9.50				80.0%		
1/4"	6.30	**344.17**	36.9%	**63%**	63.1%		
#4	4.75	**431.83**	46.3%	**54%**	53.7%		
Leave Blank			53.7%				
Total Weight							

ASTM D-2487
Unified Soils Classification System
SW, Well-graded Sand with Gravel

The data presented on this report relates only to the material sample tested
Deviations from the test method described in the referenced ASTM: None

Other Notes: **Local Screenings**
Source: **Onsite**
Ref Spec: **NYSDOT 733-11 Select Granular Fill**

Sample Meets Gradation

Fines Section
Weights are Cumulative: x

Before Wash Weight: **933.19**
After Wash Weight:
After Sieving Weight:

Sieve US	Size mm	**Cumulative Retained Weight**	Cumulative Percent Retained	**Cumulative Percent Passing**	Interpolated Percent Passing	**Specs Max**	**Min**
#8	2.36				35.6%		
#10	2.00	**626.28**	67.1%	**33%**	32.9%		
#16	1.18				24.8%		
#20	0.85				21.6%		
#30	0.600				19.1%		
#40	0.425	**770.80**	82.6%	**17%**	17.4%	70%	0%
#50	0.300				13.2%		
#60	0.250				11.6%		
#80	0.180				9.3%		
#100	0.150	**856.07**	91.7%	**8%**	8.3%		
#140	0.106				5.7%		
#170	0.090				4.8%		
#200	0.075	**896.36**	96.1%	**3.9%**	3.9%	15%	0%
Pan		**932.65**					

% Gravel = 46.3 %
% Sand = 49.8 %
% Silt & Clay = 3.9 %
% Silt: N/A, Run Hydrometer
% Clay: N/A, Run Hydrometer

STL uses the simple acceptance/simple rejection decision rule to determine in-tolerance and out-of-tolerance or pass/fail comply (yes/no) conditions and no measeurement uncertainty is applied in this determinination.

NVLAP TESTING
NVLAP LAB CODE 100308-0

This report cannot be used by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the US government.

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Proctor Report

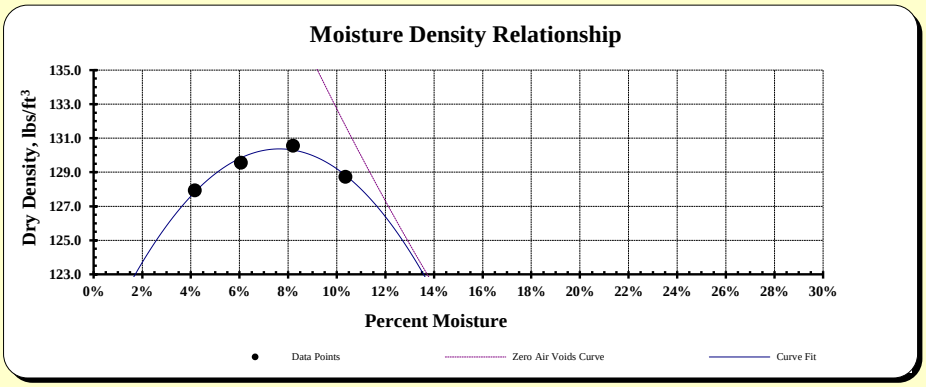
Date Tested: 02/20/25 **Project:** Lawton Adams
Sample #: 25S0018F **Client:** Lawton Adams
Material: Onsite **Date Issued:** 02/27/25
Color: Gray **Lab Tech:** BS

The data presented on this report relates only to the material sample tested.

ASTM D-2487, Unified Soils Classification System
SW, Well-graded Sand with Gravel

Sample Prepared:	Moist: X		Manual:	
	Dry:		Mechanical: X	
Test Standard:	AASHTO T 99:		AASHTO T 180:	Method
	ASTM D 698-12e2:		ASTM D 1557-12e1: X	C

Assumed Sp. Gr.	Point Number	Percent Moisture	Dry Density lbs/ft³	Dry Density Kgs/m³	Maximum Dry Density		Optimum % Moisture
2.70	1	4.2%	127.9	2,050	**130.4**	**lbs/ft³**	**7.7 %**
	2	6.1%	129.6	2,076	**Corrected Density:**		**130.4**
	3	8.2%	130.6	2,092	**Corrected Moisture:**		**7.7**
	4	10.4%	128.7	2,062			



ASTM D-4718, Correction for Oversize Particles **% Retained 3/4" 0.0%**

% Retained 3/4" Sieve	Corrected Density lbs/ft³	Corrected Density Kgs/m³	Optimum Moisture	% Retained 3/4" Sieve	Corrected Density lbs/ft³	Corrected Density Kgs/m³	Optimum Moisture
5%	131.9	2,112	7.3%	20%	136.6	2,188	6.2%
10%	133.4	2,137	6.9%	25%	138.2	2,214	5.9%
15%	135.0	2,162	6.6%	30%	139.9	2,241	5.5%

Sieve US	Size mm	Specifications Max	Min
6.00"	152.4	100.0 %	
4.00"	101.6	100.0 %	
3.00"	76.2	100.0 %	
2.50"	63.0		
2.00"	50.0	100.0 %	
1.75"	45.0		
1.50"	37.5	100.0 %	
1.25"	31.5		
1.00"	25.0	100.0 %	
7/8"	22.4		
3/4"	**19.0**	**100.0 %**	
5/8"	16.0		
1/2"	12.5	95.8 %	
3/8"	9.5		
1/4"	6.3	63.1 %	
#4	4.750	53.7 %	
#8	2.360		
#10	2.000	32.9 %	
#16	1.180		
#20	0.850		
#30	0.600		
#40	0.425	17.4 %	
#50	0.300		
#60	0.250		
#80	0.180		
#100	0.150	8.3 %	
#140	0.106		
#170	0.090		
#200	0.075	3.9 %	

Specs: **Meets Specs?** **0**
STL Standard General

% Gravel:	46.3%	$D_{(10)}$:	0.000
% Sand:	49.8%	$D_{(30)}$:	0.000
% Silt&Clay:	3.9%	$D_{(60)}$:	0.000
C_C:	2.49	LL:	0.0%
C_U:	28.61	PL:	0.0%
FM:	0.00	PI:	0.0%

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TESTING
NVLAP LAB CODE 100308-0

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