

Sieve Analysis

ONE SET OF SIEVES ONLY: x

Date Received: 01/13/26
Date Tested: 01/16/26
Sample #: 26S0008F

By: Client
Project: Lawton Adams
Client: Lawton Adams

ASTM C-136

Material: Onsite
Color: Brown

Date Issued: 01/26/26
Lab Tech: BS

Gravel Section

Weights are Cumulative: x

custom specs 35

Sieve Size	Retained Weight	Cumulative Retained	Percent Retained	Cumulative Passing	Percent Passing
US mm					
6.00"	152.40	0.00	0.0%	100%	100.0%
4.00"	101.60	0.00	0.0%	100%	100.0%
3.00"	75.00	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				96.1%
1.00"	25.00				92.0%
7/8"	22.40				90.3%
3/4"	19.00	169.88	11.9%	88%	88.1%
5/8"	16.00				82.7%
1/2"	12.50				76.5%
3/8"	9.50				71.1%
1/4"	6.30	493.50	34.6%	65%	65.4%
#4	4.75	544.95	38.2%	62%	61.8%
Leave Blank			61.8%		
Total Weight					

ASTM D-2487
Unified Soils Classification System
SW-SM, Well-graded Sand with Silt and 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: Structural Screened Fill
Source: Onsite
Ref Spec: NYS DOT 733-14 Select Structural Fill

Fines Section

Weights are Cumulative: x

Before Wash Weight: 1426.34
After Wash Weight:
After Sieving Weight:

Sieve Size	Retained Weight	Cumulative Retained	Percent Retained	Cumulative Passing	Percent Passing	Specs Max	Specs Min
US mm							
#8	2.36				53.5%		
#10	2.00	681.43	47.8%	52%	52.2%		
#16	1.18				37.2%		
#20	0.85				31.2%		
#30	0.600				26.7%		
#40	0.425	1091.76	76.5%	23%	23.5%	70%	0%
#50	0.300				17.5%		
#60	0.250				15.1%		
#80	0.180				11.8%		
#100	0.150	1278.35	89.6%	10%	10.4%		
#140	0.106				7.4%		
#170	0.090				6.4%		
#200	0.075	1350.03	94.6%	5.4%	5.4%	15%	0%
Pan		1425.38					

% Gravel = 38.2 %
% Sand = 56.4 %
% Silt & Clay = 5.4 %
% Silt: N/A, Run Hydrometer
% Clay: N/A, Run Hydrometer

Sample Meets Spec.

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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 measurement uncertainty is applied in this determination.

Richard Spears



NVLAP
TESTING
NVLAP LAB CODE 100309-0
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.

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

Proctor Report

Date Tested: 01/16/26 Project: Lawton Adams Sample #: 26S0008F Client: Lawton Adams Material: Onsite Date Issued: 01/26/26 The data presented on this report relates only to the material sample tested. Color: Brown Lab Tech: BS ASTM D-2487, Unified Soils Classification System SW-SM, Well-graded Sand with Silt and Gravel						Sieve Size Specifications US mm Max Min																																														
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						6.00" 152.4 100.0 % 4.00" 101.6 100.0 % 3.00" 75.0 100.0 % 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 7/8" 22.4 3/4" 19.0 88.1 % 5/8" 16.0 1/2" 12.5 3/8" 9.5 1/4" 6.3 65.4 % #4 4.750 61.8 % #8 2.360 #10 2.000 52.2 % #16 1.180 #20 0.850 #30 0.600 #40 0.425 23.5 % #50 0.300 #60 0.250 #80 0.180 #100 0.150 10.4 % #140 0.106 #170 0.090 #200 0.075 5.4 %																																														
<table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Assumed Sp. Gr. 2.70</th> <th style="text-align: left;">Point Number</th> <th style="text-align: left;">Percent Moisture</th> <th style="text-align: left;">Dry Density lbs/ft³</th> <th style="text-align: left;">Dry Density Kgs/m³</th> <th style="text-align: left;">Maximum Dry Density</th> <th style="text-align: left;">Optimum % Moisture</th> </tr> <tr> <td></td> <td>1</td> <td>10.5%</td> <td>127.4</td> <td>2,041</td> <td>126.7 lbs/ft³</td> <td>10.2 %</td> </tr> <tr> <td></td> <td>2</td> <td>11.2%</td> <td>125.6</td> <td>2,012</td> <td>Corrected Density:</td> <td>129.9</td> </tr> <tr> <td></td> <td>3</td> <td>9.6%</td> <td>125.6</td> <td>2,012</td> <td>Corrected Moisture:</td> <td>9.3</td> </tr> <tr> <td></td> <td>4</td> <td>8.8%</td> <td>124.9</td> <td>2,001</td> <td></td> <td></td> </tr> </table>						Assumed Sp. Gr. 2.70	Point Number	Percent Moisture	Dry Density lbs/ft ³	Dry Density Kgs/m ³	Maximum Dry Density	Optimum % Moisture		1	10.5%	127.4	2,041	126.7 lbs/ft ³	10.2 %		2	11.2%	125.6	2,012	Corrected Density:	129.9		3	9.6%	125.6	2,012	Corrected Moisture:	9.3		4	8.8%	124.9	2,001														
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ASTM D-4718, Correction for Oversize Particles % Retained 3/4" 11.9%						Specs: Meets Specs? 0 #REF!																																														
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Richard J. Spinali



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