

Sieve Analysis

ONE SET OF SIEVES ONLY: x

ASTM C-136

Date Received: 01/13/26
 Date Tested: 01/16/26
 Sample #: 26S0010A

By: Client
 Project: Lawton Adams
 Client: Lawton Adams
 Date Issued: 01/26/26
 Lab Tech: BS

Material: Onsite
 Color: Light Gray

Gravel Section

Weights are Cumulative: x

custom specs 35

Sieve Size	US	mm	Cumulative Retained Weight	Cumulative Percent Retained	Cumulative Percent Passing	Interpolated Percent Passing	Specs Max	Specs Min
5.00"		127.00			100%	100.0%		
4.00"		101.60	0.00	0.0%	100%	100.0%	100 %	
3.00"		75.00			100%	100.0%		
2.50"		63.00			100%	100.0%		
2.00"		50.00			100%	100.0%		
1.75"		45.00			100%	100.0%		
1.50"		37.50	0.00	0.0%	100%	100.0%		
1.25"		31.50			100%	100.0%		
1.00"		25.00			100%	100.0%		
7/8"		22.40			100%	100.0%		
3/4"		19.00	0.00	0.0%	100%	100.0%		
5/8"		16.00				89.5%		
1/2"		12.50				77.3%		
3/8"		9.50				66.9%		
1/4"		6.30	417.05	44.3%	56%	55.7%		
#4		4.75	484.66	51.5%	49%	48.5%		
Leave Blank				48.5%				
Total Weight								

ASTM D-2487

Unified Soils Classification System

GW, Well-graded Gravel with Sand

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: Recycled Stone Dust
 Source: Onsite
 Ref Spec: NYS DOT 733-10 Select Fill

Sample Meets Spec.

Fines Section

Weights are Cumulative: x

Before Wash Weight: 941.22

After Wash Weight:

After Sieving Weight:

Sieve Size	US	mm	Cumulative Retained Weight	Cumulative Percent Retained	Cumulative Percent Passing	Interpolated Percent Passing	Specs Max	Specs Min
#8		2.36			36.5%	36.5%		
#10		2.00	615.19	65.4%	35%	34.6%		
#16		1.18			25.0%	25.0%		
#20		0.85			21.1%	21.1%		
#30		0.600			18.2%	18.2%		
#40		0.425	789.19	83.8%	16%	16.2%	70%	0%
#50		0.300			12.0%	12.0%		
#60		0.250			10.4%	10.4%		
#80		0.180			8.1%	8.1%		
#100		0.150	874.68	92.9%	7%	7.1%		
#140		0.106			5.2%	5.2%		
#170		0.090			4.5%	4.5%		
#200		0.075	904.89	96.1%	3.9%	3.9%	15%	0%
Pan								

% Gravel = 51.5 %
 % Sand = 44.6 %
 % Silt & Clay = 3.9 %
 % Silt: N/A, Run Hydrometer
 % Clay: N/A, Run Hydrometer

This foregoing information is the property of STL clients: Reproduction or publication, in part or in full, only with our express permission.
 Copyright Spears Engineering & Technical Services PS, 1996-2005

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 Speers



This report cannot be used by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the U.S. 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 #: 26S0010A Client: Lawton Adams Material: Onsite Date Issued: 01/26/26 <small>The data presented on this report relates only to the material sample tested.</small> Color: Light Gray Lab Tech: BS ASTM D-2487, Unified Soils Classification System GW, Well-graded Gravel with Sand						Sieve Size Specifications US mm Max Min																																															
Sample Prepared: Moist: X Manual: _____ Test Standard: AASHTO T 99: _____ AASHTO T 180: _____ Method: _____ ASTM D 698-12e2: _____ ASTM D 1557-12e1: X Method: C						5.00" 127.0 4.00" 101.6 100.0 % 3.00" 75.0 2.50" 63.0 2.00" 50.0 1.75" 45.0 1.50" 37.5 100.0 % 1.25" 31.5 1.00" 25.0 7/8" 22.4 3/4" 19.0 100.0 % 5/8" 16.0 1/2" 12.5 3/8" 9.5 1/4" 6.3 55.7 % #4 4.750 48.5 % #8 2.360 #10 2.000 34.6 % #16 1.180 #20 0.850 #30 0.600 #40 0.425 16.2 % #50 0.300 #60 0.250 #80 0.180 #100 0.150 7.1 % #140 0.106 #170 0.090 #200 0.075 3.9 %																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Assumed Sp. Gr.</th> <th>Point Number</th> <th>Percent Moisture</th> <th>Dry Density lbs/ft³</th> <th>Dry Density Kgs/m³</th> <th>Maximum Dry Density</th> <th>Optimum % Moisture</th> </tr> </thead> <tbody> <tr> <td>2.70</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>1</td> <td>11.5%</td> <td>109.8</td> <td>1,760</td> <td rowspan="4" style="text-align: center;">110.5 lbs/ft³ Corrected Density: Corrected Moisture:</td> <td rowspan="4" style="text-align: center;">12.5 % 110.5 12.5</td> </tr> <tr> <td></td> <td>2</td> <td>12.3%</td> <td>110.9</td> <td>1,776</td> </tr> <tr> <td></td> <td>3</td> <td>13.3%</td> <td>109.7</td> <td>1,758</td> </tr> <tr> <td></td> <td>4</td> <td>14.1%</td> <td>109.1</td> <td>1,748</td> </tr> </tbody> </table>						Assumed Sp. Gr.	Point Number	Percent Moisture	Dry Density lbs/ft ³	Dry Density Kgs/m ³	Maximum Dry Density	Optimum % Moisture	2.70								1	11.5%	109.8	1,760	110.5 lbs/ft³ Corrected Density: Corrected Moisture:	12.5 % 110.5 12.5		2	12.3%	110.9	1,776		3	13.3%	109.7	1,758		4	14.1%	109.1	1,748												
Assumed Sp. Gr.	Point Number	Percent Moisture	Dry Density lbs/ft ³	Dry Density Kgs/m ³	Maximum Dry Density	Optimum % Moisture																																															
2.70																																																					
	1	11.5%	109.8	1,760	110.5 lbs/ft³ Corrected Density: Corrected Moisture:	12.5 % 110.5 12.5																																															
	2	12.3%	110.9	1,776																																																	
	3	13.3%	109.7	1,758																																																	
	4	14.1%	109.1	1,748																																																	
Moisture Density Relationship																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">ASTM D-4718, Correction for Oversize Particles</th> <th colspan="3">% Retained 3/4" 0.0%</th> </tr> <tr> <th>% Retained 3/4" Sieve</th> <th>Corrected Density lbs/ft³</th> <th>Optimum Moisture</th> <th>% Retained 3/4" Sieve</th> <th>Corrected Density lbs/ft³</th> <th>Optimum Moisture</th> </tr> </thead> <tbody> <tr> <td>5%</td> <td>112.5</td> <td>11.9%</td> <td>20%</td> <td>118.7</td> <td>10.1%</td> </tr> <tr> <td>10%</td> <td>114.5</td> <td>11.3%</td> <td>25%</td> <td>120.9</td> <td>9.5%</td> </tr> <tr> <td>15%</td> <td>116.5</td> <td>10.7%</td> <td>30%</td> <td>123.2</td> <td>8.9%</td> </tr> </tbody> </table>						ASTM D-4718, Correction for Oversize Particles			% Retained 3/4" 0.0%			% Retained 3/4" Sieve	Corrected Density lbs/ft ³	Optimum Moisture	% Retained 3/4" Sieve	Corrected Density lbs/ft ³	Optimum Moisture	5%	112.5	11.9%	20%	118.7	10.1%	10%	114.5	11.3%	25%	120.9	9.5%	15%	116.5	10.7%	30%	123.2	8.9%	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Specs:</th> <th>Meets Specs?</th> </tr> </thead> <tbody> <tr> <td>#REF!</td> <td>0</td> </tr> <tr> <td>% Gravel: 51.5%</td> <td>D₍₁₀₎: 0.000</td> </tr> <tr> <td>% Sand: 44.6%</td> <td>D₍₃₀₎: 0.000</td> </tr> <tr> <td>% Silt & Clay: 3.9%</td> <td>D₍₆₀₎: 0.000</td> </tr> <tr> <td>C_c: 1.43</td> <td>LL: 0.0%</td> </tr> <tr> <td>C_u: 31.56</td> <td>PL: 0.0%</td> </tr> <tr> <td>FM: 0.00</td> <td>PI: 0.0%</td> </tr> </tbody> </table>		Specs:	Meets Specs?	#REF!	0	% Gravel: 51.5%	D ₍₁₀₎ : 0.000	% Sand: 44.6%	D ₍₃₀₎ : 0.000	% Silt & Clay: 3.9%	D ₍₆₀₎ : 0.000	C _c : 1.43	LL: 0.0%	C _u : 31.56	PL: 0.0%	FM: 0.00	PI: 0.0%
ASTM D-4718, Correction for Oversize Particles			% Retained 3/4" 0.0%																																																		
% Retained 3/4" Sieve	Corrected Density lbs/ft ³	Optimum Moisture	% Retained 3/4" Sieve	Corrected Density lbs/ft ³	Optimum Moisture																																																
5%	112.5	11.9%	20%	118.7	10.1%																																																
10%	114.5	11.3%	25%	120.9	9.5%																																																
15%	116.5	10.7%	30%	123.2	8.9%																																																
Specs:	Meets Specs?																																																				
#REF!	0																																																				
% Gravel: 51.5%	D ₍₁₀₎ : 0.000																																																				
% Sand: 44.6%	D ₍₃₀₎ : 0.000																																																				
% Silt & Clay: 3.9%	D ₍₆₀₎ : 0.000																																																				
C _c : 1.43	LL: 0.0%																																																				
C _u : 31.56	PL: 0.0%																																																				
FM: 0.00	PI: 0.0%																																																				
<small>Copyright Spears Engineering & Technical Services PS, 1996-2005</small>																																																					

This foregoing information is the property of STL clients: Reproduction or publication, in part or in full, only with our express permission.

Richard Special



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.