



Client: Menzel Lake Gravel
Address: P.O. Box 1494
Marysville, WA 98270
Attn: Rob Hild
Revised On: _____

Date: July 1, 2025
Project: Q.C. - Menzel Lake Gravel - 2025
Project #: 25B026
Sample #: B25-0403
Date sampled: June 27, 2025
Control No: 7012025

As requested and authorized by the Client, MTC has performed the following test(s) on the sample number referenced above. The testing was performed in accordance with current, applicable AASHTO, ASTM, and/or WSDOT standards, which are referenced on the correlating test report pages. The results obtained in our laboratory are as detailed below and/or on the following pages:

	Test(s) Performed:	Test Results		Test(s) Performed:	Test Results
X	Sieve Analysis	See Attached Report		Sulfate Soundness	
	Proctor			Bulk Density & Voids	
	Sand Equivalent			WSDOT Degradation	
	Fracture Count			LA Abrasion	
	Moisture Content			Cation Exchange Capacity	
	Specific Gravity, Coarse				
	Specific Gravity, Fine				
	Hydrometer Analysis				
	Atterberg Limits				

If you have any questions concerning the test results, the procedures used, or if we can be of any further assistance please call the number below and ask to speak with your Project Manager or the Laboratory Manager.

Alex Eifrig

Respectfully Submitted,
 Alex Eifrig
 WABO Supervising Laboratory Technician



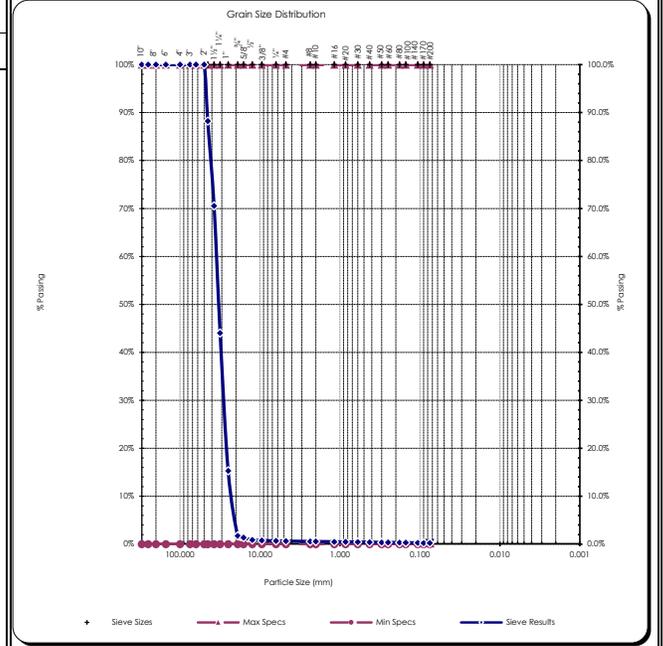
Sieve Report

Project: Q.C. - Menzel Lake Gravel - 2025 Project #: 25B026 Client: Menzel Lake Gravel Source: Menzel Lake Gravel Pit / 1.5" washed drain rock material Sample#: B25-0403	Date Received: 27-Jun-25 Sampled By: Client Date Tested: 30-Jun-25 Tested By: Z. Romney Control No.: 7012025	Unified Soil Classification System, ASTM D-2487 GP, Poorly graded Gravel Sample Color: Gray
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Method(s) ASTM D-2216, ASTM D-2419, ASTM D-4318, ASTM D-5281			
Specifications		D ₍₆₎ = 20.434 mm % Gravel = 99.3% D ₍₁₀₎ = 22.650 mm % Sand = 0.4% D ₍₁₅₎ = 24.866 mm % Silt & Clay = 0.2% D ₍₃₀₎ = 28.326 mm Liquid Limit = n/a D ₍₅₀₎ = 32.851 mm Plasticity Index = n/a D ₍₆₀₎ = 35.114 mm Sand Equivalent = n/a D ₍₉₀₎ = 45.756 mm Fracture % , 1 Face = n/a Dust Ratio = 16/27 Fracture % , 2+ Faces = n/a	Coeff. of Curvature, C _c = 1.01 Coeff. of Uniformity, C _u = 1.55 Fineness Modulus = 7.95 Plastic Limit = n/a Moisture %, as sampled = n/a Req'd Sand Equivalent = n/a Req'd Fracture % , 1 Face = n/a Req'd Fracture % , 2+ Faces = n/a
Sample Meets Specs ? N/A			

Method(s) ASTM C-136, ASTM D-6913, ASTM C-117

Sieve Size		Actual Cumulative Percent Passing	Interpolated Cumulative Percent Passing	Specs	
US	Metric			Max	Min
12.00"	300.00		100%	100.0%	0.0%
10.00"	250.00		100%	100.0%	0.0%
8.00"	200.00		100%	100.0%	0.0%
6.00"	150.00		100%	100.0%	0.0%
4.00"	100.00		100%	100.0%	0.0%
3.00"	75.00		100%	100.0%	0.0%
2.50"	63.00		100%	100.0%	0.0%
2.00"	50.00	100%	100%	100.0%	0.0%
1.75"	45.00		88%	100.0%	0.0%
1.50"	37.50	71%	71%	100.0%	0.0%
1.25"	31.50		44%	100.0%	0.0%
1.00"	25.00	15%	15%	100.0%	0.0%
3/4"	19.00	2%	2%	100.0%	0.0%
5/8"	16.00		1%	100.0%	0.0%
1/2"	12.50	1%	1%	100.0%	0.0%
3/8"	9.50	1%	1%	100.0%	0.0%
1/4"	6.30		1%	100.0%	0.0%
#4	4.75	0.7%	1%	100.0%	0.0%
#8	2.36	0.6%	1%	100.0%	0.0%
#10	2.00	0.6%	1%	100.0%	0.0%
#16	1.18	0.5%	1%	100.0%	0.0%
#20	0.850		0%	100.0%	0.0%
#30	0.600	0.5%	0%	100.0%	0.0%
#40	0.425	0.4%	0%	100.0%	0.0%
#50	0.300	0.4%	0%	100.0%	0.0%
#60	0.250		0%	100.0%	0.0%
#80	0.180		0%	100.0%	0.0%
#100	0.150	0.3%	0%	100.0%	0.0%
#140	0.106		0%	100.0%	0.0%
#170	0.090		0%	100.0%	0.0%
#200	0.075	0.2%	0.2%	100.0%	0.0%



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Comments: _____

Reviewed by: Alex Eifrig
 Alex Eifrig
 WABO Supervising Laboratory Technician