GENEVA ROCK PRODUCTS, INC.
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AGGREGATE SUBMITTAL

Report of Physical Properties and Aggregate Target Submittal

GRP Material Description: Fill Granular Borrow **Report Date:** September 1, 2026
GRP Material Code: EFIL3 **Reviewed by:** Dan McDaniel
Source Location/Code: Black Rock / 567 **Report No.** 567FILL3000426

TEST RESULTS

Standard	PHYSICAL PROPERTIES		Result	Test Spec.
ASTM C 29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	108.0	
		Voids, % =	33	
		☐ Jigged ☐ Loose ☑ Rodded		
ASTM D1557 AASHTO T180	Modified Proctor	Max. density, lbs./cu.ft. =	145.8	
		Optimum Moisture, % =	4.6	
ASTM D698 AASHTO T99	Standard Proctor	Max. density, lbs./cu.ft. =	142.6	
		Optimum Moisture, % =	5.8	
ASTM D4318 AASHTO T89/90	Liquid Limit	Liquid Limit=		
	Plastic Limit	Plastic Limit=		
	Plasticity Index	Plasticity Index=	NP	
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse Loss, % =		
		Grading/Revolutions, =		
ASTM C535	L.A. Abrasion	Large Coarse Loss, % =	22	
		Grading/Revolutions, =		
ASTM C 128/127 AASHTO T84/85	Combined Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	2.576	
		Bulk Specific Gravity, SSD =	2.603	
		Apparent Specific Gravity =	2.645	
		Absorption, % =	1	
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) =		
		Bulk Specific Gravity, SSD =		
		Apparent Specific Gravity =		
		Absorption, % =		
ASTM D2419 AASHTO T176	Sand Equivalent	Sand Equivalent, % =	24	
ASTM C 88 AASHTO T104	Soundness	Coarse Soundness Loss, % =	2	
		Sodium No. of Cycles =	5	
	Soundness	Fine Soundness Loss, % =		
		Sodium No. of Cycles =		
ASTM C 1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % =		
		Method C (as received material)		
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % =		
		Fine Aggregate, % =		
ASTM C142 AASHTO T112	Clay / Friable Particles	Coarse Aggregate, % =		
		Fine Aggregate, % =		
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % =		
		Fine Aggregate, % =		
ASTM D1883 AASHTO T193	CBR	Surcharge = 10 lbs CBR @ 0.1"=	75	
		Swell% = 0.0% CBR @ 0.2"=	108	
AASHTO 335	Fractured Face	1 or 2 Faces =	1	2
		Fractured Face, % =	98	91
ASTM D2487	Soil Classification	Group Symbol =		
		Group Name =		
ASTM D2488	Soil Description & Identification	Group Symbol =		
		Group Name =		

SIEVE ANALYSIS

ASTM C136 AASHTO T27

Sieve Size	Target % Passing	Spec.
300 mm (12")		
250 mm (10")		
225 mm (9")		
200 mm (8")		
150 mm (6")		
125 mm (5")		
100 mm (4")		
75.0 mm (3")	100	
63.0 mm (2-1/2")		
50.0 mm (2")	87	
37.5 mm (1-1/2")	79	
25.0 mm (1")	70	
19.0 mm (3/4")	65	
12.5 mm (1/2")	57	
9.5 mm (3/8")	52	
6.3 mm (1/4")		
4.75 mm (No.4)	42	
2.36 mm (No.8)	34	
2.00 mm (No.10)	32	
1.18 mm (No.16)	28	
0.600 mm (No.30)	24	
0.425 mm (No.40)	22	
0.300 mm (No.50)	21	
0.180 mm (No.80)		
0.150 mm (No.100)	17	
0.075 mm (No.200)	14.1	
ASTM D422 **Hydrometer =**		
ASTM C566 AASHTO T255 **Moisture Content, % =**		
ASTM C136 AASHTO T27 **Fineness Modulus (FM) =**		
AASHTO M145 **Classification of Soils =**	A-1-a	
ASTM D4791 Ratio = **Flat & Elongated, % =**		