



AGGREGATE SUBMITTAL

Report of Physical Properties

GRP Material Description: Washed Concrete 3/4"

Report Date: September 11, 2026

GRP Material Code: ROCA

Reviewed by: Dan McDaniel

Source Location/Code: Bauer / 560

Report No. 560ROCA00226

TEST RESULTS					SIEVE ANALYSIS		
Standard	PHYSICAL PROPERTIES		Result	Test Source	ASTM C136	AASHTO T27	
ASTM C 29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	101		Sieve Size	% Passing	Spec.
	Weight	Voids, % =	28		450 mm (18")		
		☐ Jigged ☐ Loose ☒ Rodded			375 mm (15")		
ASTM D1557 AASHTO T180	Modified Proctor	Max. density, lbs./cu.ft. =			300 mm (12")		
		Optimum Moisture, % =			250 mm (10")		
ASTM D698 AASHTO T99	Standard Proctor	Max. density, lbs./cu.ft. =			225 mm (9")		
		Optimum Moisture, % =			200 mm (8")		
ASTM D4318 AASHTO T89/90	Liquid Limit Plastic Limit Plasticity Index	Liquid Limit = Plastic Limit = Plasticity Index =			150 mm (6")		
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse Loss, % = Grading/Revolutions, =	19 B/500		125 mm (5")		
ASTM C535	L.A. Abrasion	Large Coarse Loss, % = Grading/Revolutions, =			100 mm (4")		
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity, SSD = Apparent Specific Gravity = Absorption, % =			75.0 mm (3")		
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) = Bulk Specific Gravity, SSD = Apparent Specific Gravity = Absorption, % =	2.601 2.616 2.641 0.6		63.0 mm (2-1/2")		
ASTM D2419 AASHTO T176	Sand Equivalent	Sand Equivalent, % =			50.0 mm (2")		
ASTM C 88 AASHTO T104	Soundness	Coarse Soundness Loss, % = Sodium No. of Cycles =	0.6 5		37.5 mm (1-1/2")		
	Soundness	Fine Soundness Loss, % = Sodium No. of Cycles =			25.0 mm (1")	100	
ASTM C 1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % = Method C (as received material)			19.0 mm (3/4")	99	
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % = Fine Aggregate, % =		Lighter Plate #1	12.5 mm (1/2")	57	
ASTM C142 AASHTO T112	Clay / Friable Particles	Coarse Aggregate, % = Fine Aggregate, % =	0		9.5 mm (3/8")	24	
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % = Fine Aggregate, % =	0		6.3 mm (1/4")		
ASTM D1883 AASHTO T193	CBR	Surcharge = 10 lbs CBR @ 0.1"= Swell% = 0.0% CBR @ 0.2"=			4.75 mm (No.4)	3	
ASTM D5821	Fractured Face	1 or 2 Faces = Fractured Face, % =	1 88	2 72	2.36 mm (No.8)	2	
ASTM D2487	Soil Classification	Group Symbol = Group Name =			2.00 mm (No.10)		
ASTM D2488	Soil Description & Identification	Group Symbol = Group Name =			1.18 mm (No.16)		

ASTM D422	Hydrometer =	
ASTM C566 AASHTO T255	Moisture Content, % =	
ASTM C136 AASHTO T27	Fineness Modulus (FM) =	
AASHTO M145	Classification of Soils =	
ASTM D4791	Ratio =	1:5
	Flat & Elongated =	0%