



Report of Physical Properties and Aggregate Target Submittal

Submittal Date: January 1, 2020
 Product Code: 22-09514 - Washed Concrete Sand Spec
 Pit Code: 020611 - Valley

Job Name:
 Job Number:

Sieve Analysis			
ASTM C136 AASHTO T27			
Sieve Size	Target % Passing	Spec. LL	Spec. UL
300 mm 12"			
250 mm 10"			
225 mm 9"			
200 mm 8"			
150 mm 6"			
125 mm 5"			
100 mm 4"			
75 mm 3"			
63.0 mm 2-1/2"			
50.0 mm 2"			
37.5 mm 1-1/2"			
25.0 mm 1"			
19.0 mm 3/4"			
12.5 mm 1/2"			
9.5 mm 3/8"	100	100	100
6.3 mm 1/4"			
4.75 mm No. 4	100	95	100
2.36 mm No. 8	86	80	100
2.00 mm No. 10			
1.18 mm No.16	53	50	85
0.600 mm No. 30	33	25	60
0.425 mm No. 40			
0.300 mm No. 50	21	5	30
0.180 mm No. 80			
0.150 mm No. 100	8	0	10
0.075 mm No. 200	2.22	0	3
ASTM C 1260 Alkali Reactivity			
ASTM C 227 Alkali Reactivity	0.09		
ASTM C136/AASHTO T27 Fineness Modulus (FM)=	2.98		
AASHTO M145 Classification of Soils =			
ASTM D4791 Flat & Elongated, %=			

Test Results			
Standard	Physical Properties	Result	Test Spec.
ASTM C29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	104.5
		Voids%= <input type="checkbox"/> Loose <input checked="" type="checkbox"/> Rodded	34.9
ASTM D1557 AASHTO T180	Modified Proctor	Max Density, lbs./cu.ft.= Optimum Moisture %=	
ASTM D698 AASHTO T99	Standard Proctor	Max Density, lbs./cu.ft.= Optimum Moisture %=	
ASTM C1883 AASHTO T193	CBR	Surcharge = 10Lbs CBR@0.1"= Swell%=0.0% CBR @0.2"=	
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse loss % = Grading/Revolutions =	
ASTM C131 AASHTO T96	L.A. Abrasion	Large Coarse loss % = Grading/Revolutions =	
ASTM C88 AASHTO T104	Soundness	Coarse Soundness loss, % = Magnesium No. of Cycles	
	Soundness	Fine Soundness loss, % = Magnesium No. of Cycles	2.4% 5
ASTM D4318 AASHTO T89/90	Liquid limit Plastic limit Plasticity Index	Liquid Limit =	0
		Plastic limit =	0
		Plasticity Index =	NP
ASTM C142 AASHTO T112	Clay lumps / Friable Particles	Coarse Aggregate, % =	0.0
		Fine Aggregate, % =	0.0
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % = Fine Aggregate, % =	>Plate 1
ASTM D2419 AASHTO T176	Sand Equivalency	Sand Equivalant % =	96
ASTM C1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % =	45.3
ASTM D5821 TP - 61	Fractured Face	% Fracture 1 Face = % Fracture 2 Face =	
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % = Fine Aggregate, % =	0.0
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	2.577
		Bulk Specific Gravity (SSD) =	2.600
		Apparent Specific Gravity =	2.640
		Absorption % =	0.9
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	
		Bulk Specific Gravity (SSD) =	
		Apparent Specific Gravity = Absorption % =	

ASTM D2487	Soil Classification	Group Symbol =	
		Group Name =	
ASTM D2488	Soil description & Identification	Group Symbol =	
		Group Name =	