

WOOD RODGERS

May 6, 2015
Project No. 2892.040

Mr. Rick Joy
JOY ENGINEERING
81822 State Route 70
Beckwourth, California 96129

RE: Sloat Pit – 1-Inch X No. 4 Concrete Aggregate

Dear Mr. Joy:

Per your request, we have performed aggregate quality testing on the concrete aggregate received by our laboratory from the Sloat Pit. Test results in comparison with Caltrans and ASTM C-33 specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)				
U.S. Standard Sieve Size	Percent By Weight Passing			
	1 Inch X No. 4	X-Value	Caltrans Operating Range Specifications Section 90-1.02C	ASTM C-33 No. 57 Stone
1½ Inch	100	–	100	100
1 Inch	100	–	88 – 100	95 – 100
¾ Inch	90	85	70 – 100	–
½ Inch	38	–	–	25 – 60
⅜ Inch	17	20	5 – 35	–
No. 4	3	–	0 – 16	0 – 10
No. 8	2	–	0 – 6	0 – 5
No. 200	1.0	–	–	0 – 1.0

Clay Lumps and Friable Particles (ASTM C142)	
Percent of Total Sample	Caltrans Specification
0.1%	N/A

Coal and Lignite (ASTM C123)	
Percent of Total Sample	Caltrans Specification
0.0%	N/A

Los Angeles Abrasion (CT211)	
Percentage Loss After 100 Revolutions 1-Inch x No. 4 (Grading B)	Caltrans Specification
5.6%	N/A
Percentage Loss After 500 Revolutions 1-Inch x No. 4 (Grading B)	
23.4%	45% Maximum

Cleanness Value (CT227)	
Coarse Aggregate Sample	Caltrans Specification
79	75 Minimum

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Page 2

Sodium Sulfate Soundness (CT214)	
Weighted Percentage Loss	Caltrans Specification
7.8%	10% Maximum

Unit Weight (CT212)	
Dry Rodded Unit Weight	95.9 PCF
Dry Loose Unit Weight	86.1 PCF

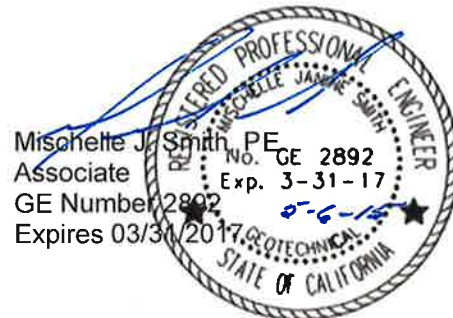
Specific Gravity and Absorption (CT206)	
Bulk Specific Gravity (SSD Basis)	2.68
Absorption	2.7%

We appreciate the opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to call.

Sincerely,

Wood Rodgers, Incorporated


Brian T. Clark, PE
Laboratory Manager



BTC:MJS:da