



# WOOD RODGERS

July 26, 2023  
Project No. 2892.040

Mr. Eric Jones  
JOY ENGINEERING  
1584 Wolf Meadows Lane  
Portola, California 96122

## RE: Bar One Quarry – Class 2 Aggregate Base Course

Dear Mr. Jones:

Per your request, we have performed testing on the Class 2 aggregate base course delivered to our laboratory from the Bar One Quarry. Test results in comparison with Section 26 of the 2018 Caltrans Standard Specifications are as follows:

Sieve Size Analysis (CT 202)		
U.S. Standard Sieve Size	Percent By Weight Passing	
	Bar One Quarry	Caltrans Specifications Operating Range
1 Inch	100	100
¾ Inch	98	90 – 100
½ Inch	74	–
⅜ Inch	61	–
No. 4	41	35 – 65
No. 8	29	–
No. 16	21	–
No. 30	16	10 – 30
No. 50	13	–
No. 100	10	–
No. 200	8.3	2 – 9

Durability Index (CT 229)	
Bar One Quarry (Coarse/Fine)	Caltrans Specifications Contract Compliance
60	35 Minimum

Sand Equivalent (CT 217)	
Bar One Quarry (Fine Portion)	Caltrans Specifications Contract Compliance
40	22 Minimum

R-Value (CT 301)	
Bar One Quarry	Caltrans Specifications Contract Compliance
79	78 Minimum

Moisture Density (ASTM D1557C)	
Maximum Dry Density	138.0 PCF
Optimum Moisture	8.0 %

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

Wheeler Musnicki  
Assistant Lab Manager

