



May 30, 2023  
 Project No. 2892.040

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

**RE: Blasted Rock Quarry – Structure Backfill**

Dear Mr. Jones:

Per your request, we have performed testing on the structure backfill delivered to our laboratory from the Blasted Rock Quarry. Test results in comparison with section 19-3.02C Specifications of the 2018 Caltrans Standard Specifications are as follows:

Sieve Size Analysis (CT 202)		
U.S. Standard Sieve Size	Percent by Weight Passing	
	Blasted Rock Quarry	Caltrans Specifications
3 Inch	100	100
¾ Inch	100	
½ Inch	86	
¾ Inch	71	
No. 4	46	35 - 100
No. 8	33	
No. 16	25	
No. 30	20	20 - 100
No. 50	16	
No. 100	11	
No. 200	10.2	

Sand Equivalent (CT 217)	
Blasted Rock Quarry (Fine Portion)	Caltrans Specifications
28	20 Minimum

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*  
 Wheeler Musnicki  
 Assistant Lab Manager

*Mischelle J. Smith*  
 Mischelle J. Smith, PE  
 Associate  
 PE No. 38777  
 Expires 03/31/2025