

## Q&D Materials Laboratory - Report of Materials Testing

<b>Lab Number:</b> 1-13A 2023	<b>Sample Date:</b> 1-13-2023
<b>Material:</b> Rip Rap Various Sizes	<b>Sampled By:</b> SW
<b>Supplier:</b> Q&D Mustang Plant	<b>Source:</b> Q&D Mustang Primary

Sieve Size	Percent Passing	Specification Limits				Remarks
		RIP RAP Various sizes				
		% Passing				
20"	*					
18"	*					
12"	*					
5"	*					
2"	*					
3/4"	*					
1/2"	*					
3/8"	*					
4	*					
8	*					
10	*					
16	*					
30	*					
40	*					
50	*					
100	*					
200	*					
Pan						

	Result	Spec		Result	
<b>Bulk Specific Gravity</b>	2.719	2.5 min	<b>Absorption</b>	1.5	
<b>Unit Weight</b>			<b>Durability</b>	74	
<b>LA Abrasion</b>	14.2	45% max	<b>Sodium Soundness + #4</b>	.93	
<b>Plastic Limit</b>			<b>Sodium Soundness - #4</b>		
<b>Liquid Limit</b>			<b>Fractured Faces %</b>		
<b>Plastic Index</b>			<b>R-Value</b>		

- Material is too large to accurately test.



**Q&D CONSTRUCTION**  
est. 1964