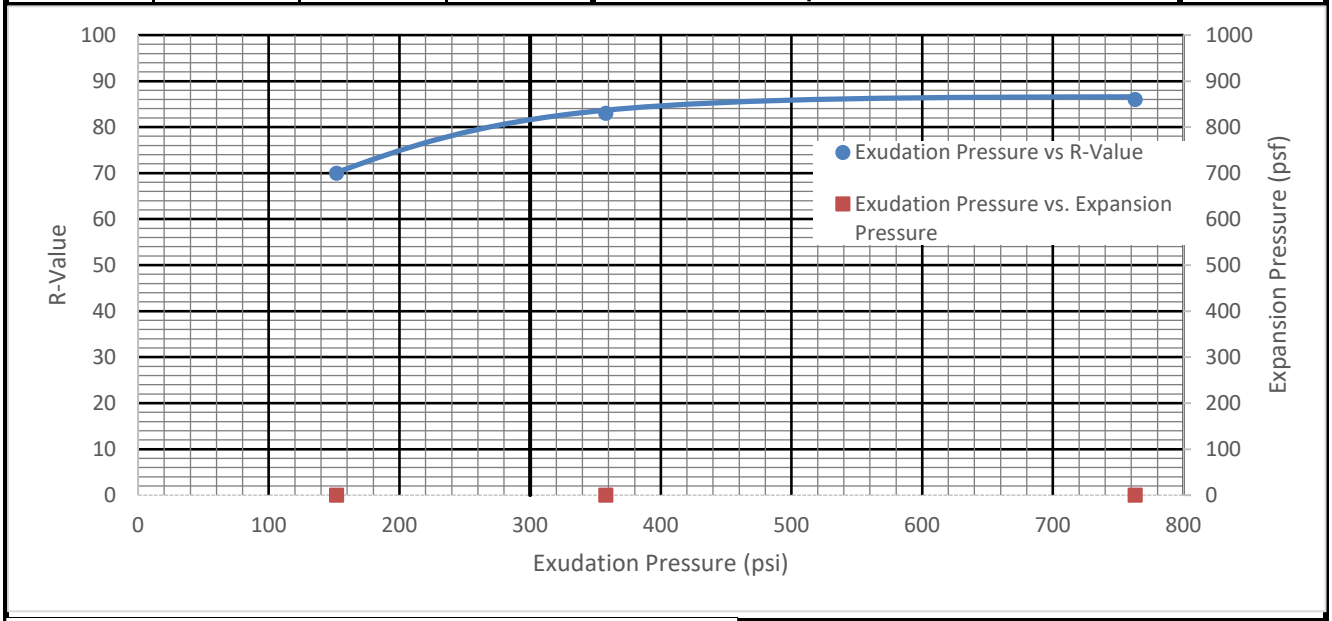
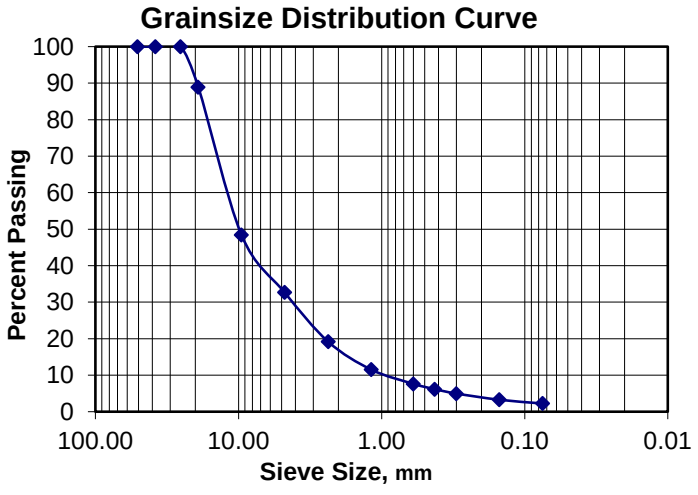
Class 2 Specification Tests for Baserock

CTL No.:	731-110	**Sample #:**	Bulk	**Date:**	5/17/2023
Client:	Zanker	**Source:**		**By:**	PJ
Project:	QRT 2 2023 BR	**Material:**	Gray Well-Graded GRAVEL w/ Sand		
Project No.:		**Remarks:**			

Exud. (psi)	R-value	MC, %	Dens. PCF	Tests:	Results	Min. Spec.
763	86	10.7	114.7	**R-value by Stabilometer :**	82	78
152	70	13.1	103.9	**Coarse Durability:**	85	35
358	83	11.9	114.2	**Fine Durability:**	58	35
				Sand Equivalent:	66	25





Gradation			
		3/4" Maximum	
Sieve #	**% Passing**	**Operating**	**Compliance**
2"	100.0		
1.5"	100.0		(see note)
1.0"	100.0	**100**	**100**
3/4"	88.9	**90-100**	**87-100**
3/8"	48.4		
#4	32.7	**35-60**	**30-65**
#8	19.2		
#16	11.5		
#30	7.6	**10-30**	**5-35**
#40	6.2		
#50	5.0		
#100	3.3		
#200	2.2	**2-9**	**0-12**

Note: Per the Caltrans Standard Specifications Section 26-1.02A "If the results of either or both the aggregate grading and Sand Equivalent tests do not meet the requirements specified for "Operating Range" but meet the "Contract Compliance" requirements, placement of the aggregate base may be continued for the remainder of the day. However, another day's work may not be started until tests, or other information, indicate to the satisfaction of the Engineer that the next material to be used in the work will comply with the requirements specified for "Operating Range". (This information is noted for the clients convenience. It in no way implies a recommendation by Cooper Testing Labs, Inc.).

L.A. Abrasion

ASTM C131
CTM 211

CTL Job No.:	731-110	**Boring:**		**Date:**	5/18/2023
Client:	Zanker	**Sample:**	Bulk	**By:**	PJ
Project Name:	QRT 2 2023 BR	**Depth:**			
Project No:					

Visual Description: Gray Well-Graded GRAVEL w/ Sand

As Received Gradation:	
Sieve	% Passing
1.5"	100.0
3/4"	88.9
3/8"	48.4
#4	32.7
#8	19.2

Weight of indicated sizes (g)				
Size	Grading			
	A	B	C	D
$1^{1/2}$" x 1"	1250 ± 25	-	-	-
1" x 3/4"	1250 ± 25	-	-	-
3/4" x 1/2"	1250 ± 25	2500 ± 10	-	-
1/2" x 3/8"	1250 ± 25	2500 ± 10	-	-
3/8" x 1/4"	-	-	2500 ± 10	-
1/4" x #4	-	-	2500 ± 10	-
#4 x #8	-	-	-	5000 ± 10
Total	5000 ± 10	5000 ± 10	5000 ± 10	5000 ± 10
% of Sample	51.6	40.5	15.7	13.5
Number of spheres	12	11	8	6
Wt of charge (g)	5000 ± 25	4584 ± 25	3330 ± 20	2500 ± 15

Grading Used:	B

Tare #	
Tare Weight (g)	0
Initial Weight + Tare (g)	5007.7
Final Weight + Tare (g)	3493

% Loss after 500 revolutions	**30.2**

Remarks: