

Client:

Project Number: 00011865.D

Project Name: 2024 Jeffco Pit C33

Material Source: Jeffco Pit

Material Description: ASTM & AASHTO Size No. 57/67 Coarse Aggregate

Sample Location: Stockpile

Sampled: Client

Entered: JP

Checked: JD

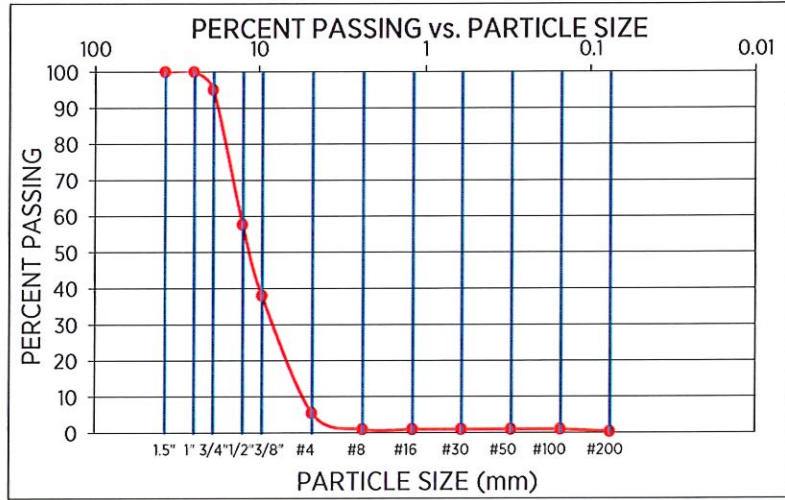
Date: 09/30/24

Date: 10/21/24

Date: 10/21/24

GRAIN SIZE ANALYSIS - ASTM C136 C117, AASHTO T27 T11

Sieve	Percent Passing	No. 57 Specification	No. 67 Specification
1 1/2"	100	100	--
1"	100	95 - 100	100
3/4"	95	--	90 - 100
1/2"	58	25 - 60	--
3/8"	38	--	20 - 55
#4	6	0 - 10	0 - 10
#8	1	0 - 5	0 - 5
#16	1	--	--
#30	1	--	--
#50	1	--	--
#100	1	--	--
#200	0.4	0 - 1.5	0 - 1.5



LA ABRASION - ASTM C131, AASHTO T96

LA Abrasion (%): 27

Grading: B

Specification: 45 max

SPECIFIC GRAVITY- ASTM C127, AASHTO T85

Bulk Specific Gravity: 2.64

Bulk Specific Gravity (SSD): 2.66

Apparent Specific Gravity: 2.68

Absorption (%): 0.6

DENSITY - ASTM C29, AASHTO T19

Dry Bulk Density - Rodding Method (pcf): 101

Voids in Aggregate (%): 38

CLAY LUMPS AND FRIABLE PARTICLES - ASTM C142, AASHTO T112

Total Clay Lumps & Friable Particles (%): 0.0

Specification (%): 2.0 max

LIGHTWEIGHT PARTICLES - ASTM C123, AASHTO T113

	Initial Mass (g)	Floating Mass (g)	Result (%)	Specification (%)
(ZnCl ₂) Specific Gravity 2.0:	3274.6	0.0	0.0	0.5 max
(ZnBr ₂) Specific Gravity 2.4:	3274.6	4.2	0.1	3.0 max

SODIUM SULFATE SOUNDNESS - ASTM C88, AASHTO T104

Sieve Range	Original Grading	Before Test Mass (g)	After Test Mass (g)	Percent Passing	Weighted Percent Loss	Specification (%)
1-1/2" to 1"	0	1008.2	1007.7	0.0	0.0	
1" to 3/4"	5	513.0	512.8			
3/4" to 1/2"	40	673.0	662.6	1.1	0.7	
1/2" to 3/8"	21	330.9	328.9			
3/8" to #4	34	302.5	295.4	2.3	0.8	
TOTAL	100				2	12 max

