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**TABLE 1**  
**SUMMARY OF LABORATORY TEST RESULTS**  
**COLORADO SPRINGS PIT**

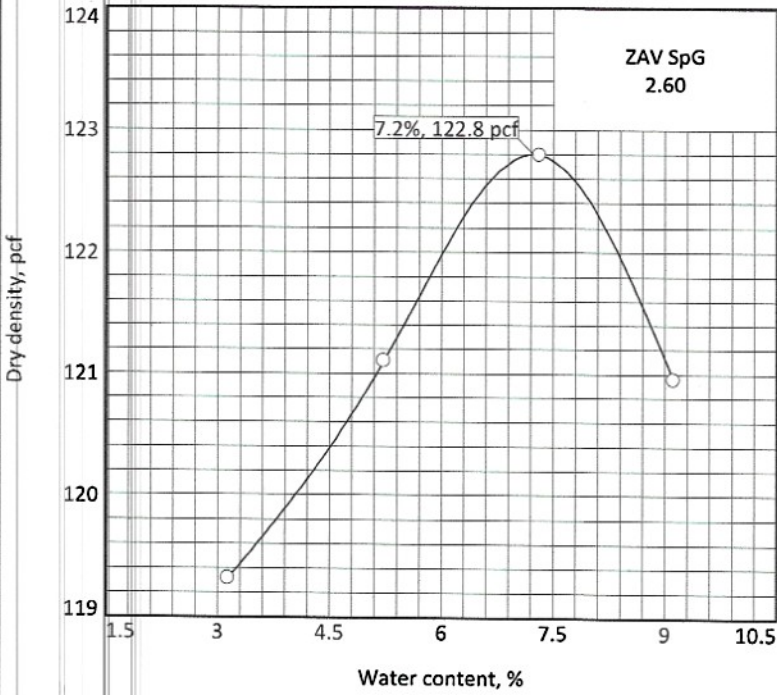
**PROJECT NO.: 23-1-246**  
**PROJECT NAME: 2023 COLORADO AGGREGATE RECYCLING LABORATORY TESTING**  
**DATE RECEIVED: 3/15/2023**

SAMPLE NO.	DATE TESTED	MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE CONTENT (%)	GRADATION		PERCENT PASSING No. 200 SIEVE	ATTERBERG LIMITS		R-VALUE @ 300 PSI	LOS ANGELES ABRASION (ASTM C-131)		SOIL OR BEDROCK TYPE
				GRAVEL (%)	SAND (%)		LIQUID LIMIT (%)	PLASTICITY INDEX (%)		GRADING	PERCENT LOSS (%)	
2593	3/20/23	118.7	9.0	58	35	7	22	NP	80	B	41	WELL-GRADED GRAVEL WITH SILT AND SAND (RECYCLED CONCRETE)
2594	3/16/23	122.8	7.2	61	36	3	-	-	-	-	-	WELL-GRADED GRAVEL WITH SAND (RECYCLED ASPHALT)

These test results apply only to the samples which were tested. the testing report shall not be reproduced, except in full, without the written approval of K & A, Inc

# COMPACTION TEST REPORT

Curve No. 2594



<b>Preparation Method</b>			
Rammer: Wt.	10 lb.	Drop	18 in.
	Type <u>Manual</u>		
Layers: No.	five	Blows per	56
Mold Size	0.075 cu. ft.		
<b>Test Performed on Material</b>			
Passing	3/4 in.	Sieve	
%>3/4 in.	1	%<No.200	3.2
Atterberg (D 4318): LL	NV	PI	NP
NM (D 2216)		Sp.G. (D 854)	2.6
USCS (D 2487)	GW		
AASHTO (M 145)	A-1-a		
Date: Sampled	3/15/23		
Received	3/15/23		
Tested	3/16/23		
Tested By	AS		

**COMPACTION TESTING DATA**  
ASTM D 1557-12 Method C Modified

	1	2	3	4	5	6
WM + WS	10676.0	10825.0	10973.0	10980.0		
WM	6484.0	6484.0	6484.0	6484.0		
WW + T #1	811.0	836.3	921.2	893.3		
WD + T #1	791.0	805.7	873.4	838.4		
TARE #1	153.7	220.5	220.1	236.2		
WW + T #2						
WD + T #2						
TARE #2						
MOIST.	3.1	5.2	7.3	9.1		
DRY DENS.	119.3	121.1	122.8	121.0		

**SIEVE TEST RESULTS**

Opening Size	% Passing	Specs.
1-1/2"	100	
3/4"	99	
3/8"	65	
#4	39	
#8	27	
#16	18	
#30	11	
#50	6	
#100	4	
#200	3.2	

**TEST RESULTS**

Maximum dry density = 122.8 pcf  
Optimum moisture = 7.2 %

**Material Description**

well-graded gravel with sand

**Project No.** 23-1-248    **Client:**  
**Project:** 2023 Colorado Aggregate Recycling Lab Testing

**Remarks:**

○ **Loc.:** Recycled Asphalt Pile Colorado Springs Pit    **Sample No.:** 2594

**Checked by:** JJM

**Kumar & Associates, Inc.**

**Title:** Lab Manager

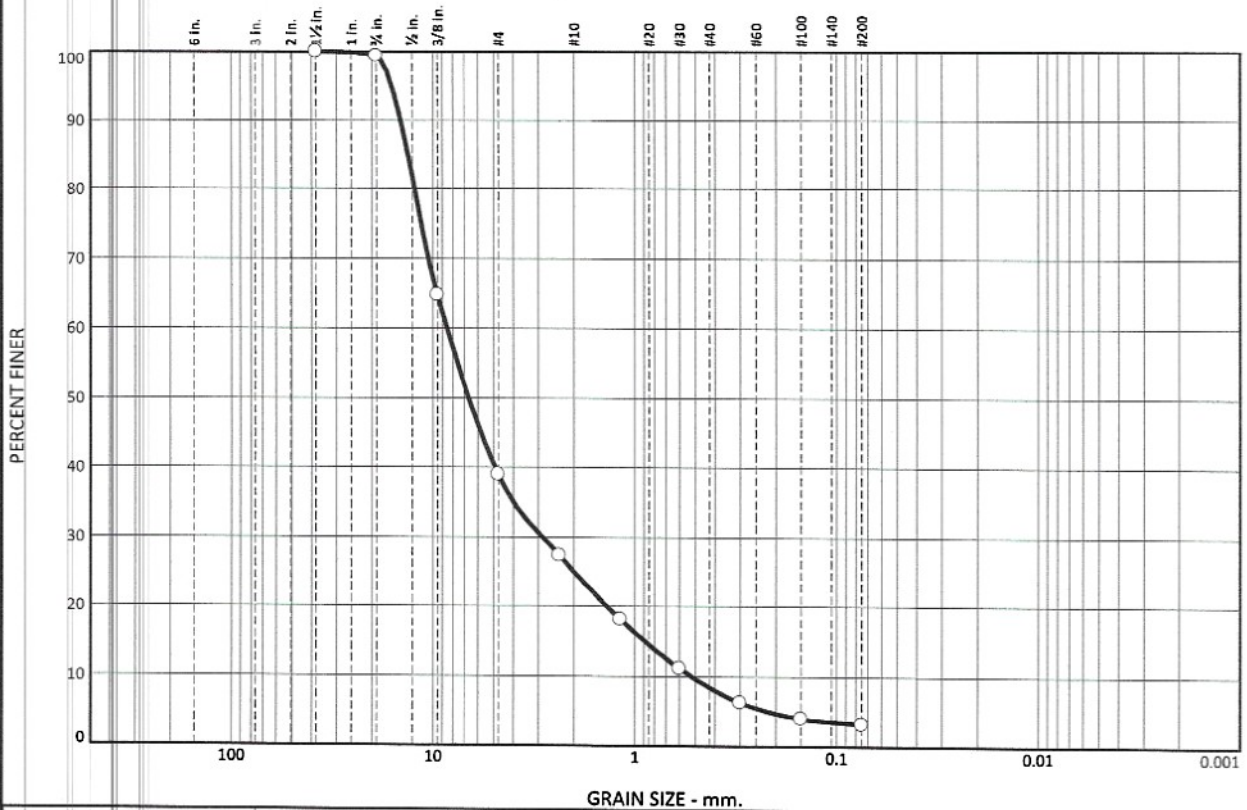
Denver, Colorado

Figure

# Particle Size Distribution Report

ASTM D422

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% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0	1	60	14	17	5	3	

Test Results (ASTM D422)				
Sieve Size or Diam. (mm.)	Finer (%)	Spec. * (%)	Out of Spec. (%)	Pct. of Fines
1-1/2"	100			
3/4"	99			
3/8"	65			
#4	39			
#8	27			70
#16	18			47
#30	11			29
#50	6			16
#100	4			10
#200	3.2			8.2

**Material Description**  
well-graded gravel with sand

**Atterberg Limits**  
 PL= NP      LL= NV      PI= NP

**Classification**  
 USCS= GW      AASHTO= A-1-a

**Test Remarks**

\* (no specification provided)

Location: Recycled Asphalt Pile Colorado Springs Pit  
 Sample Number: 2594

Sample Date: 3/15/23

<b>Kumar &amp; Associates, Inc.</b>  Denver, Colorado	Client: Project: 2023 Colorado Aggregate Recycling Lab Testing  Project No: 23-1-248
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Tested By: DS

Checked By: JJM

Figure