

**Lab Report of Testing and Inspection**

<b>Project #:</b>	24-0743-06C	<b>Date:</b>	05/22/2024
<b>Project:</b>	Lawson Aggregates Testing	<b>Client:</b>	Lawson Aggregates 4011 IN 47 Thorntown, IN 46071
<b>Patriot PM:</b>		<b>Report #:</b>	11213
<b>Results of Inspection:</b>	No deficiencies included in this report		

**Summary of Lab Activities**

Created from Lab Test # 240076-02

Distribution:  
Michael Fowler (Lawson Aggregates)

**Submitted By:**

*Bridget Buchanan*

**Printed Name:** Bridget Buchanan

**Reviewed By:**

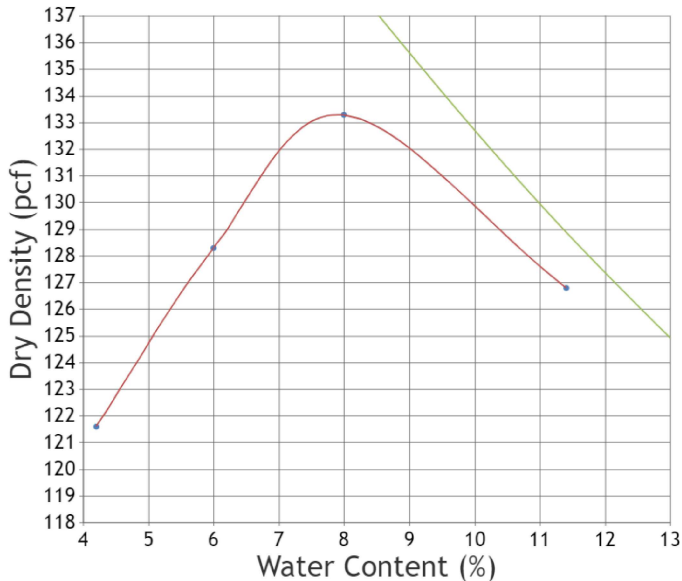


**Printed Name:** Christian Pohlar

**Compaction Test Report**

<b>Project #:</b>	24-0743-06C	<b>Date:</b>	05/22/2024
<b>Project:</b>	Lawson Aggregates Testing	<b>Client:</b>	Lawson Aggregates 4011 IN 47 Thorntown, IN 46071
<b>Patriot PM:</b>	Christian Pohlar	<b>Report #:</b>	11213

**Test Information**

<b>Sample #:</b>	240076			<p align="right"><b>ZAV SpG</b> 2.70</p> 	
<b>Date Sampled:</b>	05/13/2024	<b>Date Tested:</b>	05/22/2024		
<b>Test Specification:</b>	ASTM D698, Method C, Manual				
<b>Preparation Method:</b>	Moist				
<b>Hammer Weight:</b>	5.5 lbs	<b>Number of Layers:</b>	3		
<b>Hammer Drop:</b>	12 in	<b>Blows per Layer:</b>	56		
<b>Elev/Depth:</b>		<b>%&gt; 3/4 in Sieve:</b>	16.7 %		
<b>Location:</b>					
<b>NM:</b>		<b>LL:</b>			
<b>PL:</b>		<b>PI:</b>			
<b>Mold Information</b>					
<b>Diameter:</b>	6.000	<b>Height:</b>	4.584	<b>Weight:</b>	14.0
<b>Classification</b>					
<b>USCS:</b>	GW		<b>AASHTO:</b>		

<b>Testing Data</b>						<b>Testing Results</b>
<b>Proctor Point</b>	<b>-1-</b>	<b>-2-</b>	<b>-3-</b>	<b>-4-</b>	<b>-5-</b>	
<b>Wet Soil &amp; Mold Weight</b>	23.5	24.2	24.8	24.6		<b>Maximum dry density = 133.3 pcf</b>
<b>Soil Weight</b>	9.5	10.2	10.8	10.6		<b>Optimum moisture = 8.0 %</b>
<b>Wet Density</b>	126.7	136.0	144.0	141.3		<b>Material Description</b>
<b>Tare #</b>						#53 Stone
<b>Tare Weight</b>	17.2	16.7	16.2	224.7		<b>Remarks</b>
<b>Wet Soil &amp; Tare Weight</b>	522.8	555.3	555.3	545.2		
<b>Wet Soil Weight</b>	505.6	538.6	539.1	320.5		
<b>Dry Soil &amp; Tare Weight</b>	502.5	525.0	515.4	512.3		
<b>Dry Soil Weight</b>	485.3	508.3	499.2	287.6		
<b>Water Content</b>	4.2	6.0	8.0	11.4		
<b>Dry Density</b>	121.6	128.3	133.3	126.8		

**Tested By:**

*Bridget Buchanan*

**Printed Name:** Bridget Buchanan

**Checked By:**



**Printed Name:** Christian Pohlar

**Lab Report of Testing and Inspection**

<b>Project #:</b>	24-0743-06C	<b>Date:</b>	05/22/2024
<b>Project:</b>	Lawson Aggregates Testing	<b>Client:</b>	Lawson Aggregates 4011 IN 47 Thorntown, IN 46071
<b>Patriot PM:</b>		<b>Report #:</b>	11212
<b>Results of Inspection:</b>	No deficiencies included in this report		

**Summary of Lab Activities**

Created from Lab Test # 240076-01

Distribution:  
Michael Fowler (Lawson Aggregates)

Submitted By:

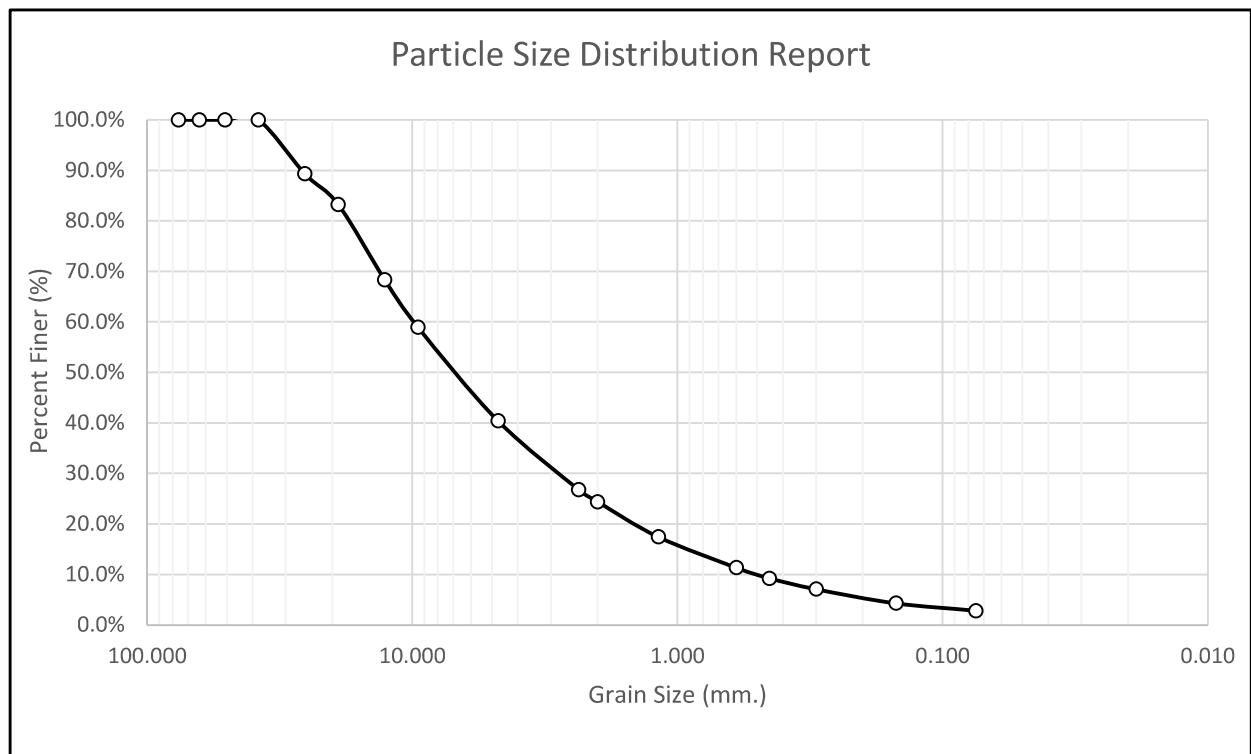
*Bridget Buchanan*

Printed Name: Bridget Buchanan

Reviewed By:



Printed Name: Christian Pohlar



% + 3"	Percent (%) Gravel		Percent (%) Sand			Percent (%) Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	16.7	42.8	16.0	15.2	6.4	2.8	

Sieve Size	Percent (%) Finer	Specification Requirements
3"	100.0	
2 1/2"	100.0	
2"	100.0	
1 1/2"	100.0	
1"	89.3	
3/4"	83.3	
1/2"	68.3	
3/8"	59.0	
#4	40.4	
#8	26.8	
#10	24.4	
#16	17.4	
#30	11.4	
#40	9.2	
#50	7.1	
#100	4.3	
#200	2.8	

<u>Material Description</u>			
Well graded Gravel with Sand			
<u>Atterberg Limits</u>			
PL =	NP	LL =	NP
		PI =	NV
<u>Coefficients</u>			
D90	26.1957	D85	20.8715
D60	9.8769	D50	7.2176
D30	2.9230	D15	0.9476
D10	0.5044	Cu	19.5816
Cc	1.7150		
<u>Classification</u>			
USCS			GW
AASHTO			

**Sample Number:** 240076    **Sample Source:** Lawson Aggregates    **Date:** 5/20/2024



**Project:** Lawson Aggregate Testing  
**Number:** 24-0743-06C  
**Client:** Lawson Aggregates