*Client:* M. Vincent
Allied Recycled Aggregates
7901 Hwy 85
P.O. Box 566
Commerce City, CO 80037

# Allied Recycled Aggregates

| | | | |
|---|---|---|---|
| *Report Date:* | Mar 19, 2026 | *Work Order No.:* | 25-1032.SoilSampling.0009; ver: 1 |
| *Work Order Date:* | Mar 12, 2026 | *Reviewed by:* | Evan Kuhn |

## *Soil/Aggregate Laboratory Summary*

| | | | |
|---|---|---|---|
| *General Location:* | Recycled/milled asphalt rcvd 3/10/2026 | *Logged-in by:* | Patrick Pravorne |

## Photos



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GROUND ENGINEERING

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## *Soil/Aggregate Laboratory Summary*

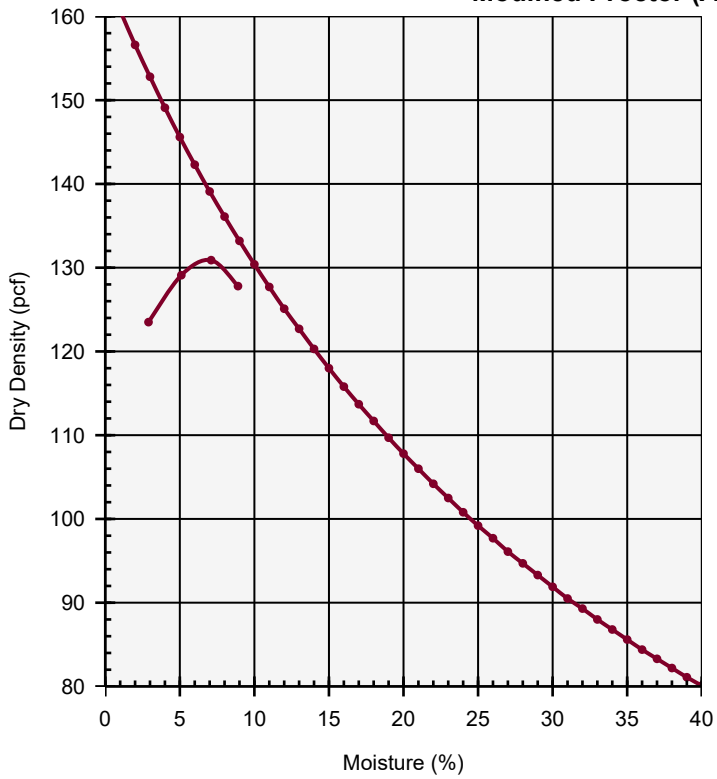
*Sample No.:* 9
*Dropped Off By:* Client *Sampling may not be in accordance with reported method.
*Sampling Method:* ASTM D75 / AASHTO T2 / CDOT CP30
*Sample Location:* Recycled/milled asphalt rcvd 3/10/2026
*Lab ID:* Soil24349

### Atterberg Limits (AASHTO T89 & T90) and Classification (ASTM D2487 & AASHTO M145)

| Method | Liquid Limit | | Plastic Limit | | Plasticity Index | | Classification | |
|---|---|---|---|---|---|---|---|---|
| | Value | Spec. | Value | Spec. | Value | Spec. | USCS | AASHTO |
| Single Point | - | - | NP | - | NP | - | (GP)s | A-1-a (0) |

*Material Description:* Asphalt Millings

### Modified Proctor (AASHTO T180)




| Method | Preparation | Hammer |
|---|---|---|
| Method D | Moist Preparation | Manual |

| Maximum Dry Density (pcf) | Optimum Moisture (%) | Oversize Corrected | |
|---|---|---|---|
| | | Maximum Dry Density (pcf) | Optimum Moisture (%) |
| **130.9** | **7.1** | - | - |

*Oversize Sieve:* 3/4 in
*Coarse Fraction (%):* -
*Fine Fraction (%):* -
*Coarse Specific Gravity:* -
*Coarse Absorption (%):* -
*Fine Specific Gravity:* Estimated 2.65

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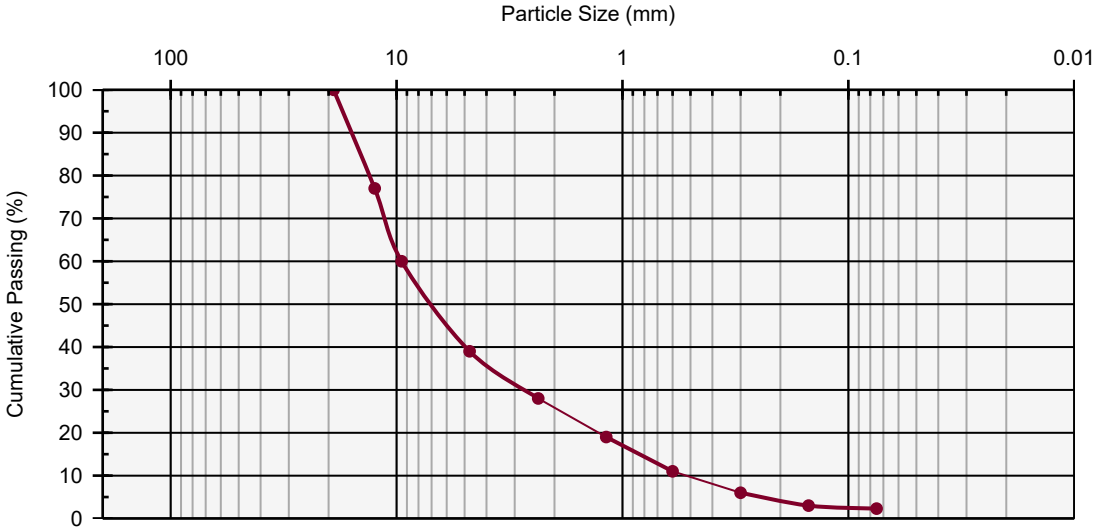
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## *Soil/Aggregate Laboratory Summary*

### Aggregate Gradation (ASTM C136 / AASHTO T27)




| Coarse Gradation | | | | Fine Gradation | | | |
|---|---|---|---|---|---|---|---|
| **Sieve Size** | **Particle Size (mm)** | **Cumulative Passing (%)** | **Specified (%)** | **Sieve Size** | **Particle Size (mm)** | **Cumulative Passing (%)** | **Specified (%)** |
| 6 in | 150 | - | - | No. 4 | 4.75 | 39 | - |
| 5 in | 125 | - | - | No. 8 | 2.36 | 28 | - |
| 4 in | 100 | - | - | No. 10 | 2.00 | - | - |
| 3.5 in | 90 | - | - | No. 16 | 1.18 | 19 | - |
| 3 in | 75 | - | - | No. 20 | 0.85 | - | - |
| 2.5 in | 63 | - | - | No. 30 | 0.60 | 11 | - |
| 2 in | 50 | - | - | No. 40 | 0.425 | - | - |
| 1.5 in | 37.5 | - | - | No. 50 | 0.300 | 6 | - |
| 1 in | 25.0 | - | - | No. 60 | 0.250 | - | - |
| 3/4 in | 19.0 | 100 | - | No. 80 | 0.180 | - | - |
| 1/2 in | 12.5 | 77 | - | No. 100 | 0.150 | 3 | - |
| 3/8 in | 9.5 | 60 | - | No. 140 | 0.090 | - | - |
| No. 4 | 4.75 | 39 | - | No. 200 | 0.075 | 2.3 | - |

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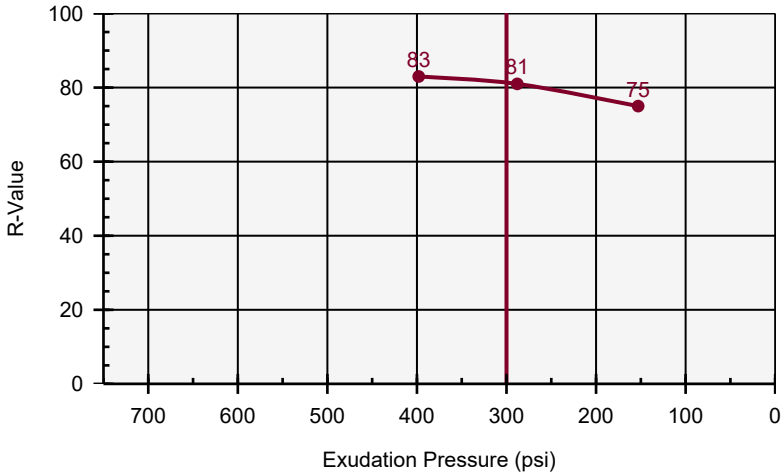
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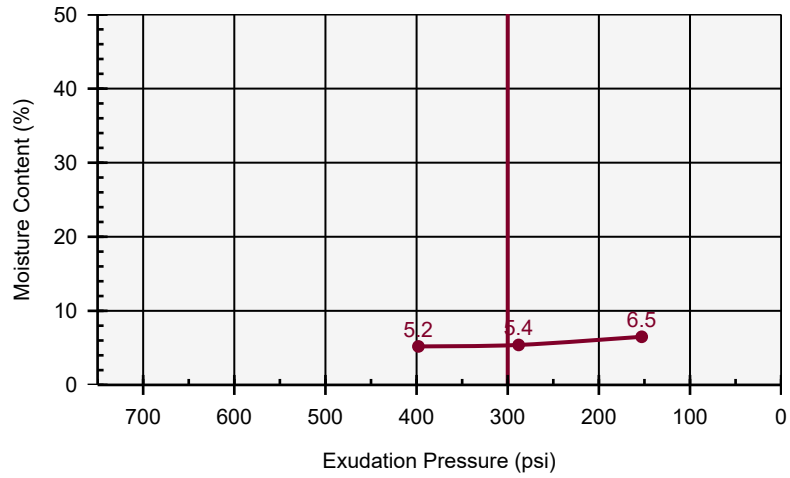
## *Soil/Aggregate Laboratory Summary*

### R-Value (CDOT CP-L 3101 / AASHTO T-190)




| Test Point | Moisture (%) | Exudation Pressure (psi) | R-Value |
|---|---|---|---|
| 1 | 5.2 | 398 | 83 |
| 2 | 5.4 | 288 | 81 |
| 3 | 6.5 | 153 | 75 |

| R- Value at 300 psi Exudation Pressure |
|---|
| 81 |




### L.A. Abrasion - Small Size (ASTM C131 / AASHTO T96)

| Nominal Maximum Size | Grading Used | Loss by Abrasion and Impact (%) | Specified Loss (%) |
|---|---|---|---|
| 3/4 in | B | **28** | - |

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