Washington State Department of Transportation

# Qualified Product List

**Product Information**

## Manufacturer: Pro-Recycle, LLC - Spokane Valley, WA

## Product Name : Tier 1 and Tier 3 - Recycled Concrete Aggregate (RS-C-345)

**Standard Spec :** 9-03.21(1)C, Recycled Concrete Aggregate

**Product Description :** Tier 1 and Tier 3 - Recycled Concrete Aggregate is approved for the following aggregate materials; 9-03.1(4) Coarse Aggregate for Commercial Concrete (Class 3000), 9-03.10 Aggregate for Gravel Base, 9-03.12(1)B Gravel Backfill for Foundations Class B, 9-03.12(2) Gravel Backfill for Walls, 9-03.12(3) Gravel Backfill for Pipe Zone Bedding, 9-03.14(1) Gravel Borrow, 9-03.14(2) Select Borrow, 9-03.14(2) Select Borrow (greater than 3 feet below subgrade and side slope), 9-03.14(3) Common Borrow, 9-03.14(3) Common Borrow (greater than 3 feet below subgrade and side slope), 9-03.17 Foundation Material Class A and Class B, 9-03.18 Foundation Materials Class C, and 9-03.19 Bank Run Gravel for Trench Backfill. ********** For Tier 3 only - 9-03.9 Ballast and Crushed Surfacing; 9-03.12(1)A Gravel Backfill for Foundations Class A. See ASA for additional information.

**Product Restriction :**
Need to provide toxicity testing and certification of toxicity characteristics in accordance with Section 9-03.21(1).

**Acceptance Code :** 1175
**Code Description :** Acceptance is based on Toxicity Test Report and Certification of Toxicity Characteristics in accordance with Section 9-03.21(1) and Field Testing for Grading, Sand Equivalency and/or Dust Ratio in accordance with Sections 3-04 and 9-03.

**Last Updated :** Sep 5, 2019

**Contractors with WSDOT Click here for** Contractor Product Info Page

# WSDOT MATERIALS LAB

09/04/2025

## Aggregate Source Approval Report

Owner: Pro-Recycle, LLC

Aggregate Source: RS-C-345

Lessee:

Known as: Pro-Recycle, LLC - Spokane Valley

Located in: T25N, RANGE44E, SECTION18 Section 18 T25N R44E

County: Spokane

Address:

Remarks:
Tier 1 & 3 Recycled Concrete Aggregates (RCA). Acceptance based on Toxicity Test Report & Certification of Toxicity Characteristics per 9-03.21(1) & Field Testing for Grading, Sand Equivalency and/or Dust Ratio per 3-04 & 9-03. See QPL for further info.

**Mineral Agg. and Surfacing:** Test Date: Expiration Date:

| | | | |
|---|---|---|---|
| Absorption: | Apparent Sp. G.: | Bulk Sp. G. (SSD): | Bulk Sp. G.: |
| Deg: | LA: | | |

**Remarks:**

**NOT Approved for:**

| | | |
|---|---|---|
| ATB | Ballast | BST Crushed Cover Stone |
| BST Crushed Screenings | Crushed Surfacing Base Course | Crushed Surfacing Key Stone |
| Crushed Surfacing Top Course | Gravel Backfill for Foundation Class A | HMA Other Courses |
| HMA Wearing Course | Maintenance Rock | Permeable Ballast |

**Aggregates for Concrete:** Test Date: Expiration Date:

| | | | |
|---|---|---|---|
| ASR - 14 Day : | ASR - One Year: | CCA Absorption: | CCA Sp.G: |
| Deg: | FCA Absorption: | FCA Organics: | FCA Sp. G: |
| LA: | | | |

**Remarks:**

**NOT Approved for:**

| | | |
|---|---|---|
| Coarse Concrete Agg (Structural and Paving Concrete) | Coarse Concrete Aggregates (Other as defined in 6-02.3(2)) | Fine Concrete Aggregates |

**Riprap, Quarry Spalls, Rock for Rock Wall, Erosion and Scour Protection:** Test Date: Expiration Date:

| | | | |
|---|---|---|---|
| Absorption: | Apparent Sp. G.: | Bulk Sp. G. (SSD): | Bulk Sp. G.: |
| Deg: | LA: | | |

**Remarks:**

**NOT Approved for:**

Quarry Spalls

Riprap

Rock for Erosion and Scour Protection

Rock for Rock Walls

Stone 9-27.3(6)

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**Streambed Aggregates:** Test Date: Expiration Date:

| | | | |
|---|---|---|---|
| Absorption: | Apparent Sp. G.: | Bulk Sp. G. (SSD): | Bulk Sp. G.: |
| Deg: | LA: | | |

**Remarks:**

**NOT Approved for:**

| | |
|---|---|
| Streambed Aggregate | Streambed Aggregate |

---

**Gravel Borrow for Structural Earth Walls:** Test Date: Expiration Date:

| | | |
|---|---|---|
| Bulk Sp. G. (SSD): | Deg: | LA: |

**NOT Approved for:**

Gravel Borrow for Str Earth Walls

---

**ALL OTHER PIT RUN MATERIALS:**

Project Engineer may request preliminary samples but Aggregate Source Approval is not required.

**AGGREGATE MATERIALS NOT REQUIRING ASA APPROVAL :**

Aggregate for Gravel Base 9-03.10
Gravel Backfill for Foundation Class B 9-03.12(1)B
Gravel Backfill for Walls 9-03.12(2)
Gravel Backfill for Pipe Zone Bedding 9-03.12(3)
Gravel Backfill for Drains 9-03.12(4)
Gravel Backfill for Drywells 9-03.12(5)
Backfill for Sand Drains 9-03.13
Sand Drainage Blanket 9-03.13(1)
Gravel Borrow 9-03.14(1)
Select Borrow 9-03.14(2)
Common Borrow 9-03.14(3)
Native Material for Trench Backfill 9-03.15
Foundation Material Class A and B 9-03.17
Foundation Material Class C 9-03.18
Bank Run Gravel for Trench Backfill 9-03.19
Commercial Concrete Aggregate 6-02.3(2)B

Budinger & Associates

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Special Inspection

Wes Blore
Pro Recycle
302 N Park Rd
Spokane Valley, WA 99212

May 27, 2025

Project Number L25512

**PROJECT: Pro Recycle 2025 Materials**

**SUBJECT: Results of Laboratory Testing**
**Report #1**

At your request, we provided laboratory testing services for the subject project. Services were limited to the performance of specific laboratory tests, selected at your discretion.

For this period, our involvement was limited to laboratory testing of one sample delivered to our laboratory on May 21, 2025. Laboratory tests were performed in general accordance with methods listed in the attached *Laboratory Summary* sheets.

If you have questions regarding this report, please call.

Respectfully Submitted,
Budinger & Associates, Inc.

Kiel Couch
Laboratory Manager

KC/lat/Addressee
Wes Blore – wes@prorecycle.com
Bill Murphy – bmurphy@wmwinkler.com
lwinkler@wmwinkler.com
jknadler@wmwinkler.com
Martin Day – mday@wmwinkler.com

Attachments:
WSDOT Recycled Concrete- Crushed Surfacing Top Course Laboratory Summary – 1 page

Product # 1220

***WSDOT RECYCLED CONCRETE - CRUSHED SURFACING TOP COURSE***

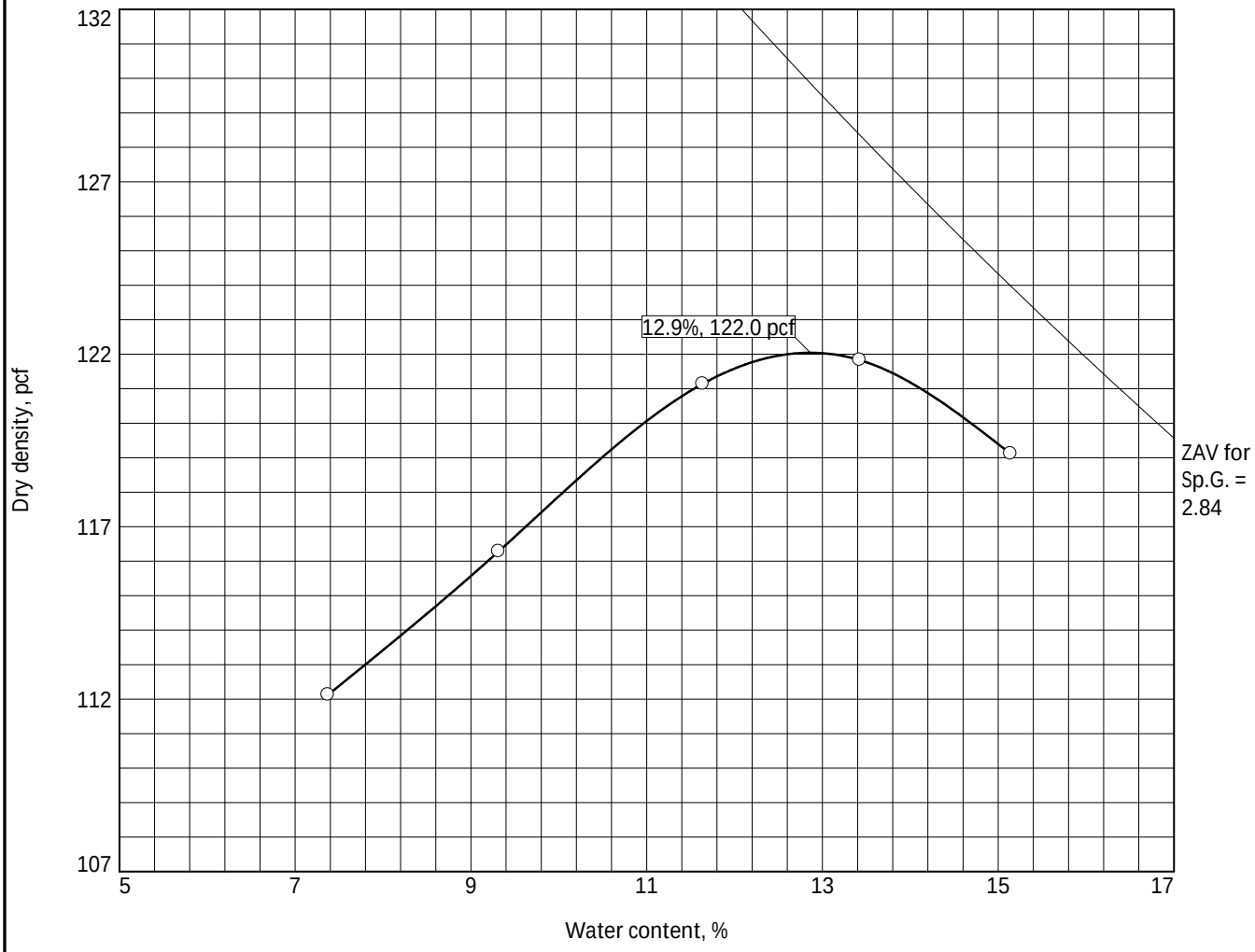
***LABORATORY SUMMARY***

| | | | | | |
|---|---|---|---|---|---|
| LABORATORY NUMBER | | | | | 25-0406 |
| SAMPLED BY | | | | | Client |
| SAMPLE TYPE | | | | | Bulk |
| DATE RECEIVED | | | | | 5/21/2025 |
| SAMPLE SOURCE | | | | | Park Road |
| SAMPLE TONNAGE | | | | | 0-5000 |
| | | | WSDOT FOP for | WSDOT 9-03.9 (3) | |
| | | UNITS | Test Method | SPEC | |
| **PROCTOR** | | | AASHTO T180 | | |
| Maximum Unit Weight | | pcf | | | 122.0 |
| Optimum Moisture | | % | | | 12.9 |
| Sample Moisture | | % | | | 7.4 |
| **AGGREGATE ANGULARITY** | | | Visual | | SR - A* |
| **SAND EQUIVALENT** | | | AASHTO T176 | 40 min | 74 |
| **FRACTURED FACES** | + #4 | % | AASHTO T335 | 75 min | 95 |
| **SIEVE ANALYSIS** | | | AASHTO T27/11 | | |
| S | 3/4" | | | 99-100 | 100 |
| I | 1/2" | % | | 80-100 | 97 |
| E | 3/8" | | | | 85 |
| V | 1/4" | P | | | 66 |
| E | #4 | A | | 46-66 | 55 |
| | #10 | S | | | 32 |
| S | #16 | S | | | 24 |
| I | #30 | I | | | 16 |
| Z | #40 | N | | 8-24 | 14 |
| E | #100 | G | | | 8 |
| | #200 | | | 10.0 Max | 5.6 |

*Sub-rounded - Angular

Product # 1220

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-22 Method D Modified

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 7.4 | | | | 0.0 | 5.6 |

| TEST RESULTS | MATERIAL DESCRIPTION |
|---|---|
| Maximum dry density = 122.0 pcf<br>Optimum moisture = 12.9 % | Crushed Surfacing Top Course<br>(Recycled Concrete) |

Project No. L25512 Client: Pro Recycle

Project: Pro Recycle 2025 Materials

○Source of Sample: Park Road Sample Number: 25-0406

Remarks:
Sampled by Client

BUDINGER & ASSOCIATES, INC.

Date: 5/27/25

Tested By: ES Checked By: KC

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Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Product # 1220

| | |
|---|---|
| **Wm. Winkler Co.** | **Project Name: Recycled Aggregate** |
| 5516 N. Starr Rd | Work Order: **X5G0459** |
| Newman Lake, WA 99025 | Reported: 08-Aug-25 09:10 |

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled | Sampled By | Date Received | Notes |
|---|---|---|---|---|---|---|
| #1 | X5G0459-01 | Solid | 23-Jul-25 10:08 | CL | 28-Jul-2025 | |
| #2 | X5G0459-02 | Solid | 23-Jul-25 10:08 | CL | 28-Jul-2025 | |
| #3 | X5G0459-03 | Solid | 23-Jul-25 10:09 | CL | 28-Jul-2025 | |
| #4 | X5G0459-04 | Solid | 23-Jul-25 10:09 | CL | 28-Jul-2025 | |
| #5 | X5G0459-05 | Solid | 23-Jul-25 10:10 | CL | 28-Jul-2025 | |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.


Case Narrative: X5G0459

CRW 7/28/25 Percent solids performed on "as received" fraction. Samples were then air-dried and pulverized for metals analysis.

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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

Client Sample ID: **#1**
SVL Sample ID: **X5G0459-01 (Solid)**



Sampled: 23-Jul-25 10:08
Received: 28-Jul-25
Sampled By: CL

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | **Lead** | 7.46 | mg/kg | 1.50 | 0.33 | | X531173 | MAC | 08/07/25 16:27 | |
| **Percent Solids / Percent Moisture** | | | | | | | | | | |
| Percent Solids | **% Solids** | 95.0 | % | 0.1 | | | X531128 | PB | 07/30/25 14:17 | |

This data has been reviewed for accuracy and has been authorized for release.

*Tawnya M. Hall*

Tawnya M. Hall
Project Manager Assistant

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Kellogg, ID 83837-0929
(208) 784-1258
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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

Client Sample ID: **#2**
SVL Sample ID: **X5G0459-02 (Solid)**



Sampled: 23-Jul-25 10:08
Received: 28-Jul-25
Sampled By: CL

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | **Lead** | 6.68 | mg/kg | 1.50 | 0.33 | | X531173 | MAC | 08/07/25 16:44 | |
| **Percent Solids / Percent Moisture** | | | | | | | | | | |
| Percent Solids | **% Solids** | 97.2 | % | 0.1 | | | X531128 | PB | 07/30/25 14:17 | |

This data has been reviewed for accuracy and has been authorized for release.

*Tawnya M. Hall*

Tawnya M. Hall
Project Manager Assistant

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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

Client Sample ID: **#3**
SVL Sample ID: **X5G0459-03 (Solid)**



Sampled: 23-Jul-25 10:09
Received: 28-Jul-25
Sampled By: CL

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | **Lead** | 9.68 | mg/kg | 1.50 | 0.33 | | X531173 | MAC | 08/07/25 16:48 | |
| **Percent Solids / Percent Moisture** | | | | | | | | | | |
| Percent Solids | **% Solids** | 97.5 | % | 0.1 | | | X531128 | PB | 07/30/25 14:17 | |

This data has been reviewed for accuracy and has been authorized for release.

*Tawnya M. Hall*

Tawnya M. Hall
Project Manager Assistant

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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

Client Sample ID: **#4**
SVL Sample ID: **X5G0459-04 (Solid)**



Sampled: 23-Jul-25 10:09
Received: 28-Jul-25
Sampled By: CL

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | **Lead** | 7.49 | mg/kg | 1.50 | 0.33 | | X531173 | MAC | 08/07/25 16:52 | |
| **Percent Solids / Percent Moisture** | | | | | | | | | | |
| Percent Solids | **% Solids** | 97.5 | % | 0.1 | | | X531128 | PB | 07/30/25 14:17 | |

This data has been reviewed for accuracy and has been authorized for release.

*Tawnya M. Hall*

Tawnya M. Hall
Project Manager Assistant

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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

Client Sample ID: **#5**
SVL Sample ID: **X5G0459-05 (Solid)**



Sampled: 23-Jul-25 10:10
Received: 28-Jul-25
Sampled By: CL

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | **Lead** | 10.8 | mg/kg | 1.50 | 0.33 | | X531173 | MAC | 08/07/25 16:56 | |
| **Percent Solids / Percent Moisture** | | | | | | | | | | |
| Percent Solids | **% Solids** | 95.2 | % | 0.1 | | | X531128 | PB | 07/30/25 14:17 | |

This data has been reviewed for accuracy and has been authorized for release.

*Tawnya M. Hall*

Tawnya M. Hall
Project Manager Assistant

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**Wm. Winkler Co.**
5516 N. Starr Rd
Newman Lake, WA 99025

**Project Name: Recycled Aggregate**
Work Order: **X5G0459**
Reported: 08-Aug-25 09:10

## Quality Control - BLANK Data

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | |
| EPA 6010D | Lead | mg/kg | <1.50 | 0.33 | 1.50 | X531173 | 07-Aug-25 | |

## Quality Control - LABORATORY CONTROL SAMPLE Data

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | |
| EPA 6010D | Lead | mg/kg | 87.1 | 100 | 87.1 | 80 - 120 | X531173 | 07-Aug-25 | |

## Quality Control - DUPLICATE Data

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Solids / Percent Moisture** | | | | | | | | | |
| Percent Solids | % Solids | % | 96.1 | 95.0 | 1.2 | 20 | X531128 - X5G0459-01 | 30-Jul-25 | |

## Quality Control - MATRIX SPIKE Data

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | Lead | mg/kg | 88.5 | 7.46 | 100 | 81.0 | 75 - 125 | X531173 - X5G0459-01 | 07-Aug-25 | |

## Quality Control - MATRIX SPIKE DUPLICATE Data

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals by EPA 6000/7000 Series** | | | | | | | | | | |
| EPA 6010D | Lead | mg/kg | 88.7 | 88.5 | 100 | 0.2 | 20 | 81.2 | X531173 - X5G0459-01 | |

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| | |
|---|---|
| **Wm. Winkler Co.** | **Project Name: Recycled Aggregate** |
| 5516 N. Starr Rd | Work Order: **X5G0459** |
| Newman Lake, WA 99025 | Reported: 08-Aug-25 09:10 |

## Notes and Definitions

| | |
|---|---|
| LCS | Laboratory Control Sample (Blank Spike) |
| RPD | Relative Percent Difference |
| UDL | A result is less than the detection limit |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration |
| <RL | A result is less than the reporting limit |
| MRL | Method Reporting Limit |
| MDL | Method Detection Limit |
| N/A | Not Applicable |

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Wes Blore
Pro Recycle
302 N Park Rd
Spokane Valley, WA 99212

October 29, 2025

Project Number L25512

**PROJECT: Pro Recycle 2025 Materials**

**SUBJECT: Results of Laboratory Testing**
**Report #7**

At your request, we provided laboratory testing services for the subject project. Services were limited to the performance of specific laboratory tests, selected at your discretion.

For this period, our involvement was limited to laboratory testing of one sample delivered to our laboratory on October 24, 2025. Laboratory tests were performed in general accordance with methods listed in the attached *Laboratory Summary* sheets.

If you have questions regarding this report, please call.

Respectfully Submitted,
Budinger & Associates, Inc.

Kiel Couch
Laboratory Manager

KC/lat/Addressee
Wes Blore – wes@prorecycle.com
Bill Murphy – bmurphy@wmwinkler.com
lwinkler@wmwinkler.com
jknadler@wmwinkler.com
Martin Day – mday@wmwinkler.com

Attachments:
WSDOT Non-Concrete - Crushed Surfacing Base Course Laboratory Summary – 1 page

Product # 1130

***WSDOT NON CONCRETE - CRUSHED SURFACING TOP COURSE***

***LABORATORY SUMMARY***

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LABORATORY NUMBER | | | | | 25-0507 | 25-1199 | 25-1325 |
| SAMPLED BY | | | | | Client | Client | Client |
| SAMPLE TYPE | | | | | Bulk | Bulk | Bulk |
| DATE RECEIVED | | | | | 6/9/25 | 10/3/25 | 10/29/25 |
| SAMPLE SOURCE | | | | | Park Road | Park Road | Park Road |
| SAMPLE TONNAGE | | | | | 0-5000 | 5000-10,000 | 10,000-15,000 |
| | | UNITS | WSDOT FOP for Test Method | WSDOT 9-03.9 (3) SPEC | | | |
| **PROCTOR** | | | ASTM D1557 | | | | |
| Maximum Unit Weight | | pcf | | | 132.2 | | |
| Optimum Moisture | | % | | | 8.9 | | |
| Sample Moisture | | % | | | 4.6 | | |
| **AGGREGATE ANGULARITY** | | | Visual | | SA - A* | SA - A* | Angular |
| **SAND EQUIVALENT** | | | AASHTO T176 | 40 min | 74 | 70 | 66 |
| **FRACTURED FACES** | + #4 | % | AASHTO T335 | 75 min | 100 | 99 | 99 |
| **SIEVE ANALYSIS** | | | AASHTO T27/11 | | | | |
| S | 3/4" | | | 99-100 | 100 | 100 | 100 |
| I | 1/2" | % | | 80-100 | 95 | 94 | 93 |
| E | 3/8" | | | | 80 | 80 | 80 |
| V | 1/4" | P | | | 58 | 58 | 59 |
| E | #4 | A | | 46-66 | 46 | 49 | 49 |
| | #10 | S | | | 26 | 30 | 29 |
| S | #16 | S | | | 18 | 24 | 23 |
| I | #30 | I | | | 12 | 18 | 18 |
| Z | #40 | N | | 8-24 | 10 | 16 | 15 |
| E | #100 | G | | | 6 | 9 | 9 |
| | #200 | | | 10.0 Max | 4.3 | 6.2 | 6.2 |

*Sub-angular - Angular

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Special Inspection

Wes Blore
Pro Recycle
302 N Park Rd
Spokane Valley, WA 99212

June 20, 2025

Project Number L25512

**PROJECT: Pro Recycle 2025 Materials**

**SUBJECT: Results of Laboratory Testing**
**Report #3**

At your request, we provided laboratory testing services for the subject project. Services were limited to the performance of specific laboratory tests, selected at your discretion.

For this period, our involvement was limited to laboratory testing of one sample delivered to our laboratory on June 17, 2025. Laboratory tests were performed in general accordance with methods listed in the attached *Laboratory Summary* sheets.

If you have questions regarding this report, please call.

Respectfully Submitted,
Budinger & Associates, Inc.

Kiel Couch
Laboratory Manager

KC/lat/Addressee
Wes Blore – wes@prorecycle.com
Bill Murphy – bmurphy@wmwinkler.com
lwinkler@wmwinkler.com
jknadler@wmwinkler.com
Martin Day – mday@wmwinkler.com

Attachments:
3/4" Structural Fill Laboratory Summary – 1 page

Product # 1040

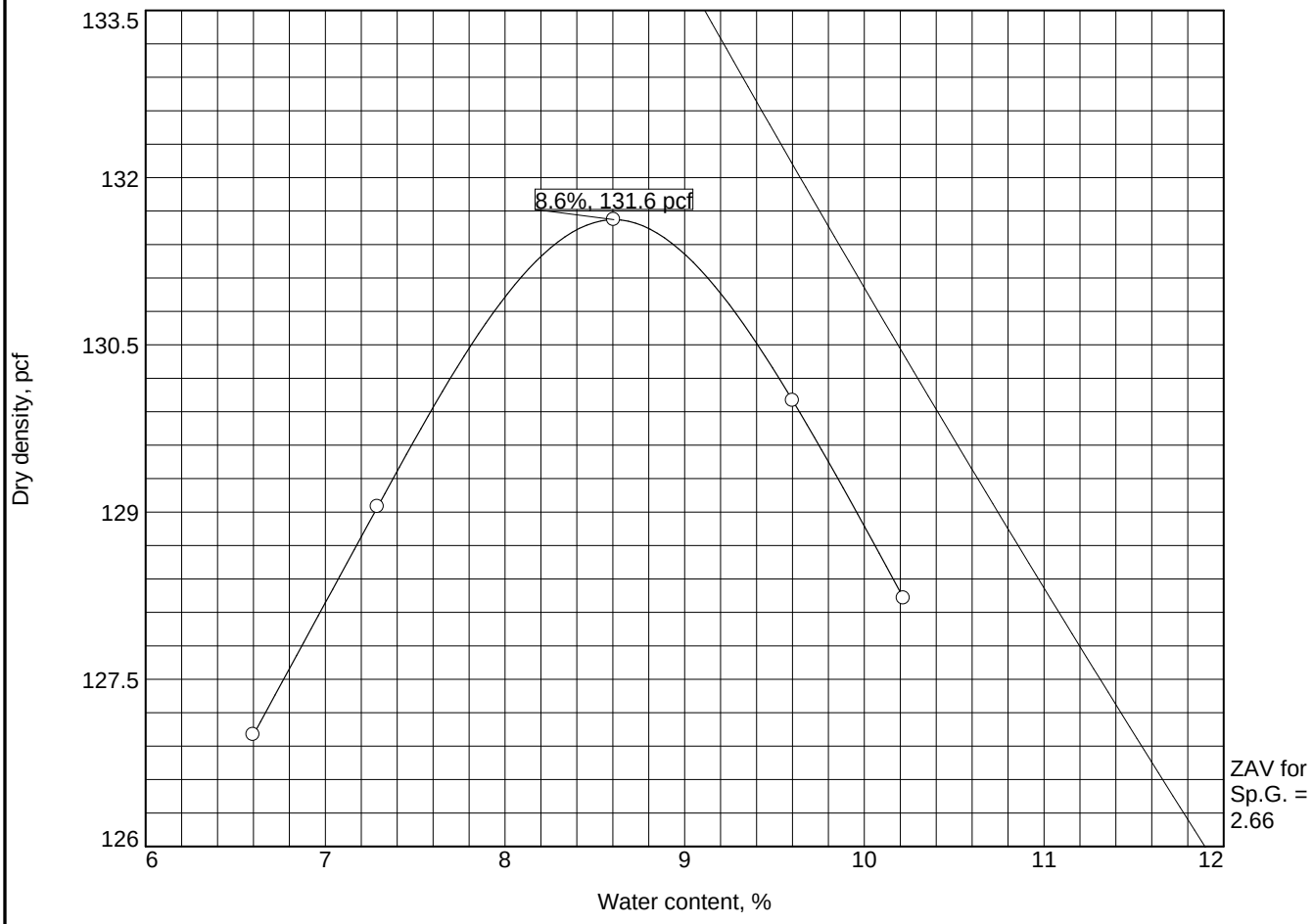
***3/4" STRUCTURAL FILL***

***LABORATORY SUMMARY***

| | | | | |
|---|---|---|---|---|
| LABORATORY NUMBER | | | | 25-0566 |
| SAMPLED BY | | | | Client |
| SAMPLE TYPE | | | | Bulk |
| DATE RECEIVED | | | | 6/17/25 |
| SAMPLE SOURCE | | | | Park Road |
| | | | UNITS | METHOD |
| **PROCTOR** | | | | AASHTO T180 |
| | Maximum Unit Weight | | pcf | 131.6 |
| | Optimum Moisture | | % | 8.6 |
| | Sample Moisture | | % | 6.8 |
| **SIEVE ANALYSIS** | | | | AASHTO T27/11 |
| S | 1" | | % | |
| I | 3/4" | | | 100 |
| E | 1/2" | | P | 96 |
| V | 3/8" | | A | 87 |
| E | #4 | | S | 63 |
| | #10 | | S | 43 |
| S | #16 | | I | 36 |
| I | #30 | | N | 29 |
| Z | #40 | | G | 26 |
| E | #100 | | | 20 |
| | #200 | | | 16 |

Product # 1040

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-19 Method D Modified

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 6.8 | | | | 0.0 | |

| TEST RESULTS | MATERIAL DESCRIPTION |
|---|---|
| Maximum dry density = 131.6 pcf<br>Optimum moisture = 8.6 % | Silty sand with gravel<br>(3/4" Structural Fill) |

**Project No.** L25512 **Client:** Pro Recycle

**Project:** Pro Recycle 2025 Materials

○**Source of Sample:** Park Road **Sample Number:** 25-0566

**Remarks:**
Sampled By Client

**BUDINGER & ASSOCIATES, INC.**

**Date:** 6/20/25

**Tested By:** PK **Checked By:** KC

Budinger & Associates

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Geotechnical Engineering
Environmental Engineering
Construction Materials Testing
Subsurface Exploration
Special Inspection

Wes Blore
Pro Recycle
302 N Park Rd
Spokane Valley, WA 99212

May 9, 2024

Project Number L24144

**PROJECT: Pro Recycle 2024 Materials**

**SUBJECT: Results of Laboratory Testing**
**Report #11**

At your request, we provided laboratory testing services for the subject project. Services were limited to the performance of specific laboratory tests, selected at your discretion.

For this period, our involvement was limited to laboratory testing of one sample delivered to our laboratory on May 7, 2024. Laboratory tests were performed in general accordance with methods listed in the attached *Laboratory Summary* sheets.

If you have questions regarding this report, please call.

Respectfully Submitted,
Budinger & Associates, Inc.

Kiel Couch
Laboratory Manager

KC/lat/Addressee
Wes Blore – wes@prorecycle.com

Attachments:
Proctor Laboratory Summary – 1 page
Moisture-Unit Weight Relationship Report – 1 page

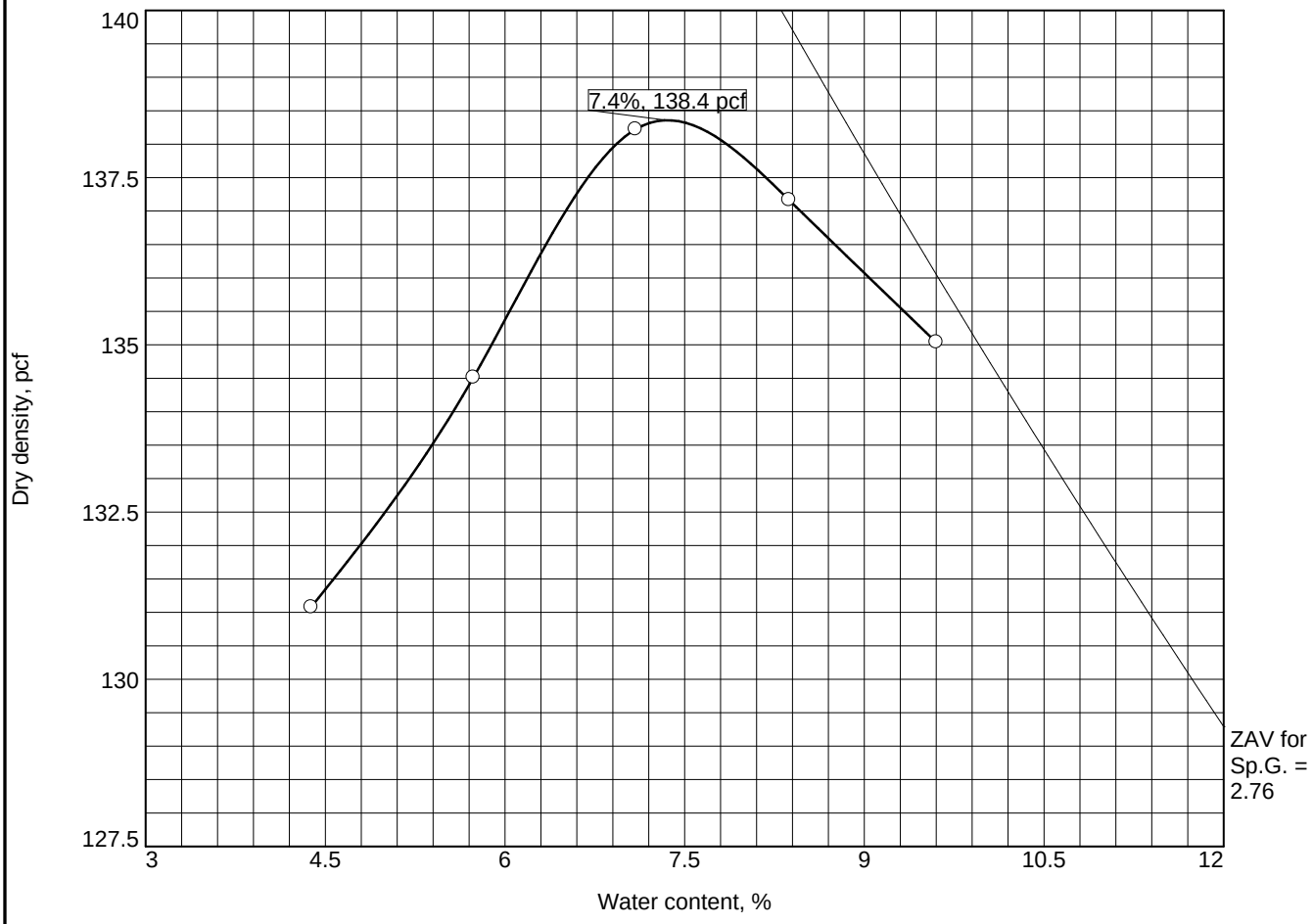
Product # 1130

***PROCTOR***
***LABORATORY SUMMARY***

| | | | |
|---|---|---|---|
| LABORATORY NUMBER | | | 24-0400 |
| SAMPLED BY | | | Client |
| SAMPLE TYPE | | | Bulk |
| DATE RECEIVED | | | 5/7/24 |
| SAMPLE DESCRIPTION | | | Crushed Surfracing Top Course |
| SAMPLE SOURCE | | | Loon Lake Pit |
| | UNITS | TEST METHOD | |
| **PROCTOR** | | AASHTO T180 | |
| Maximum Unit Weight | pcf | | 138.4 |
| Optimum Moisture | % | | 7.4 |
| Sample Moisture | % | | 4.4 |

Product # 1130

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-19 Method D Modified

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 4.4 | | | | 0.0 | |

**TEST RESULTS**

Maximum dry density = 138.4 pcf

Optimum moisture = 7.4 %

**MATERIAL DESCRIPTION**

Crushed Surfacing Top Course

**Project No.** L24144 **Client:** Pro Recycle

**Project:** Pro Recycle 2024 Materials

○**Source of Sample:** Loon Lake Pit **Sample Number:** 24-0400

**Remarks:**

Sampled By Client

**BUDINGER & ASSOCIATES, INC.**

**Date:** 5/8/24

**Tested By:** HD **Checked By:** KC

Budinger & Associates

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Environmental Engineering
Construction Materials Testing
Subsurface Exploration
Special Inspection

Wes Blore
Pro Recycle
302 N Park Rd
Spokane Valley, WA 99212

July 7, 2025

Project Number L25512

**PROJECT: Pro Recycle 2025 Materials**

**SUBJECT: Results of Laboratory Testing**
**Report #4**

At your request, we provided laboratory testing services for the subject project. Services were limited to the performance of specific laboratory tests, selected at your discretion.

For this period, our involvement was limited to laboratory testing of three samples delivered to our laboratory on June 30, 2025. Laboratory tests were performed in general accordance with methods listed in the attached *Laboratory Summary* sheets.

If you have questions regarding this report, please call.

Respectfully Submitted,
Budinger & Associates, Inc.

Kiel Couch
Laboratory Manager

KC/lat/Addressee
Wes Blore – wes@prorecycle.com
Bill Murphy – bmurphy@wmwinkler.com
lwinkler@wmwinkler.com
jknadler@wmwinkler.com
Martin Day – mday@wmwinkler.com

Attachments:
WSDOT Crushed Surfacing Base Course Laboratory Summary – 1 page
WSDOT Crushed Surfacing Top Course Laboratory Summary - 1 page
WSDOT Common Borrow Laboratory Summary - 1 page
Moisture Unit Weight Relationship Report – 3 pages

Product # 1140

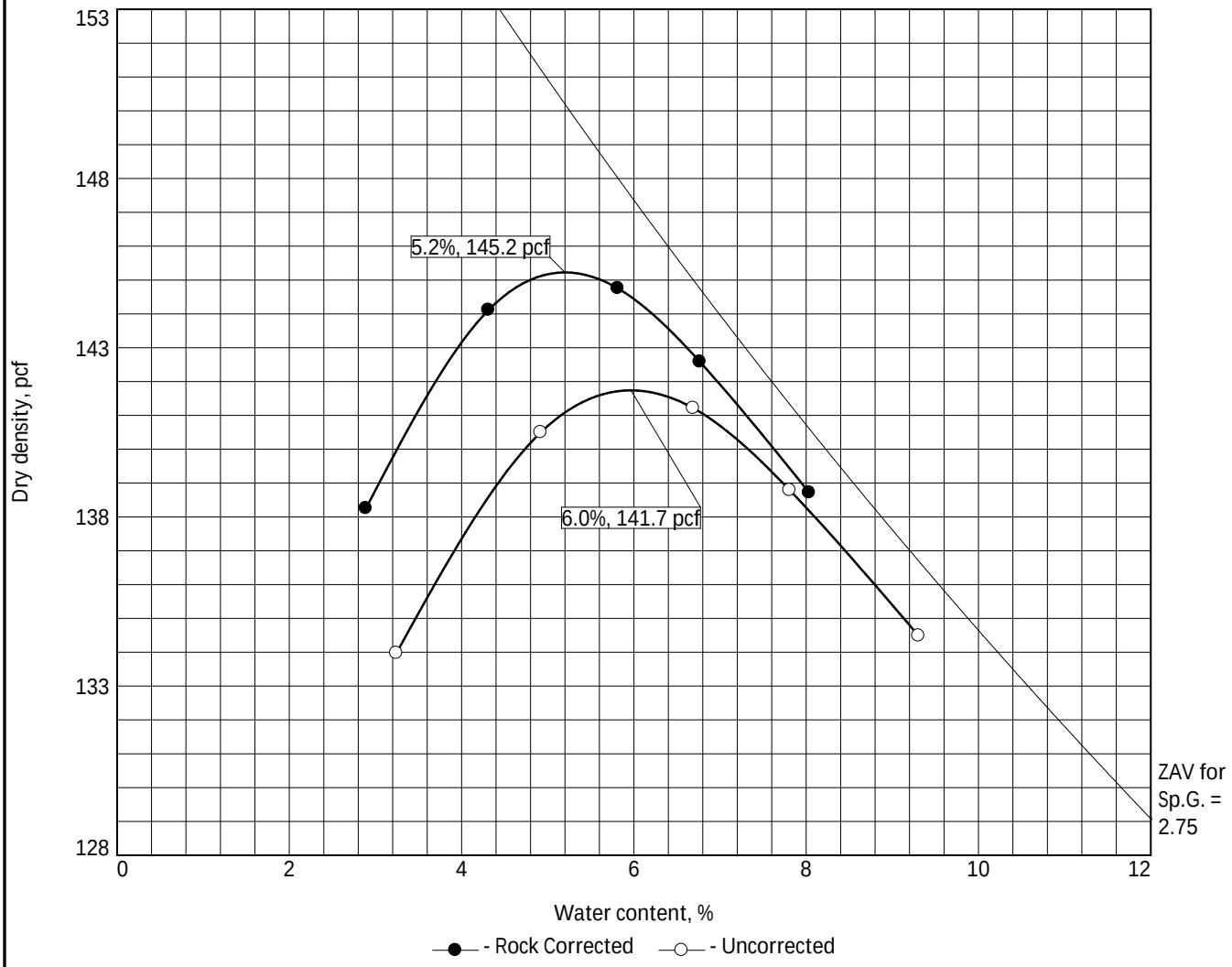
***WSDOT CRUSHED SURFACING BASE COURSE***
***LABORATORY SUMMARY***

| | | | | | |
|---|---|---|---|---|---|
| LABORATORY NUMBER | | | | | 25-0622 |
| SAMPLED BY | | | | | Client |
| SAMPLE TYPE | | | | | Bulk |
| DATE RECEIVED | | | | | 6/30/2025 |
| SAMPLE SOURCE | | | | | Kings Lake Pit |
| | | UNITS | WSDOT FOP for TEST METHOD | WSDOT 9-03.9 (3) SPEC | |
| **PROCTOR** | | | AASHTO T180 | | |
| Maximum Unit Weight | | pcf | | | 141.7 |
| Optimum Moisture | | % | | | 6.0 |
| Sample Moisture | | % | | | 2.9 |
| Bulk Specific Gravity (+3/4") | | | AASHTO T85 | | 2.676 |
| Maximum Unit Weight, Corrected | | pcf | | | 145.2 |
| Optimum Moisture, Corrected | | % | | | 5.2 |
| **AGGREGATE ANGULARITY** | | | Visual | | SR - A* |
| **SAND EQUIVALENT** | | | AASHTO T176 | 40 min | 50 |
| **FRACTURED FACES** | +#4 | % | AASHTO T335 | 75 min | 81 |
| **SIEVE ANAYLSIS** | | | AASHTO T27/11 | | |
| S | 1 1/4" | | | 99-100 | 100 |
| I | 1" | % | | 80-100 | 98 |
| E | 5/8" | | | 50-80 | 78 |
| V | 1/2" | P | | | 69 |
| E | 3/8" | A | | | 58 |
| | #4 | S | | 25-45 | 38 |
| S | #10 | S | | | 25 |
| I | #16 | I | | | 20 |
| Z | #30 | N | | | 15 |
| E | #40 | G | | 3-18 | 13 |
| | #100 | | | | 8 |
| | #200 | | | 7.5 max | 6.8 |

*Sub-rounded - Angular

Product # 1140

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-22 Method D Modified
AASHTO T 99/T 180 Annex A Oversize Corr. Applied to Each Test Point

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 2.9 | +3/4"= 2.676 | | | 15.1 | |

| ROCK CORRECTED TEST RESULTS | UNCORRECTED | MATERIAL DESCRIPTION |
|---|---|---|
| Maximum dry density = 145.2 pcf | 141.7 pcf | Crushed Surfacing Base Course |
| Optimum moisture = 5.2 % | 6.0 % | |

Project No. L25512 Client: Pro Recycle
Project: Pro Recycle 2025 Materials

○Source of Sample: Kings Lake pit Sample Number: 25-0622

Remarks:
Sampled by: Client

BUDINGER & ASSOCIATES, INC.

Date: 7-2-25

Tested By: LM Checked By: KC

Product # 1130

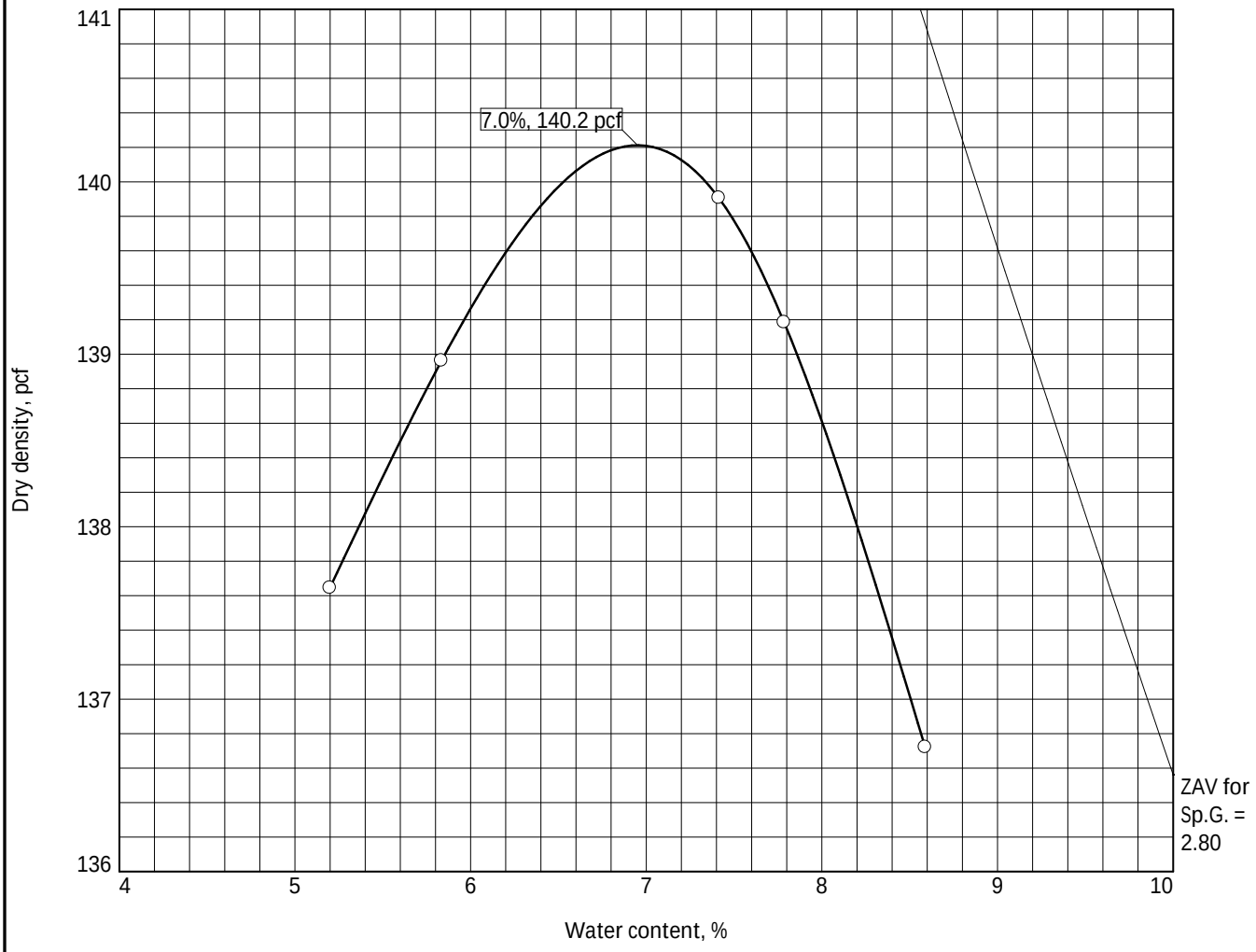
***WSDOT CRUSHED SURFACING TOP COURSE***
***LABORATORY SUMMARY***

| | | | | | |
|---|---|---|---|---|---|
| LABORATORY NUMBER | | | | | 25-0623 |
| SAMPLED BY | | | | | Client |
| SAMPLE TYPE | | | | | Bulk |
| DATE RECEIVED | | | | | 6/30/2025 |
| SAMPLE SOURCE | | | | | Kings Lake Pit |
| | | UNITS | WSDOT FOP for Test Method | WSDOT 9-03.9 (3) SPEC | |
| **PROCTOR** | | | AASHTO T180 | | |
| Maximum Unit Weight | | pcf | | | 140.2 |
| Optimum Moisture | | % | | | 7.0 |
| Sample Moisture | | % | | | 3.0 |
| **AGGREGATE ANGULARITY** | | | Visual | | SR - A* |
| **SAND EQUIVALENT** | | | AASHTO T176 | 40 min | 63 |
| **FRACTURED FACES** | + #4 | % | AASHTO T335 | 75 min | 98 |
| **SIEVE ANALYSIS** | | | AASHTO T27/11 | | |
| S | 3/4" | | | 99-100 | 100 |
| I | 1/2" | % | | 80-100 | 90 |
| E | 3/8" | | | | 87 |
| V | 1/4" | P | | | 59 |
| E | #4 | A | | 46-66 | 50 |
| | #10 | S | | | 30 |
| S | #16 | S | | | 22 |
| I | #30 | I | | | 16 |
| Z | #40 | N | | 8-24 | 13 |
| E | #100 | G | | | 9 |
| | #200 | | | 10.0 Max | 7.6 |

*Sub-rounded - Angular

Product # 1130

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-22 Method D Modified

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 3.0 | | | | 0.4 | |

| TEST RESULTS | MATERIAL DESCRIPTION |
|---|---|
| Maximum dry density = 140.2 pcf<br>Optimum moisture = 7.0 % | Crushed Surfacing Top Course |

Project No. L25512 Client: Pro Recycle

Project: Pro Recycle 2025 Materials

○Source of Sample: Kings Lake pit Sample Number: 25-0623

Remarks:
Sampled by: Client

BUDINGER & ASSOCIATES, INC.

Date: 7-2-25

Tested By: GP Checked By: KC

Product # 1040

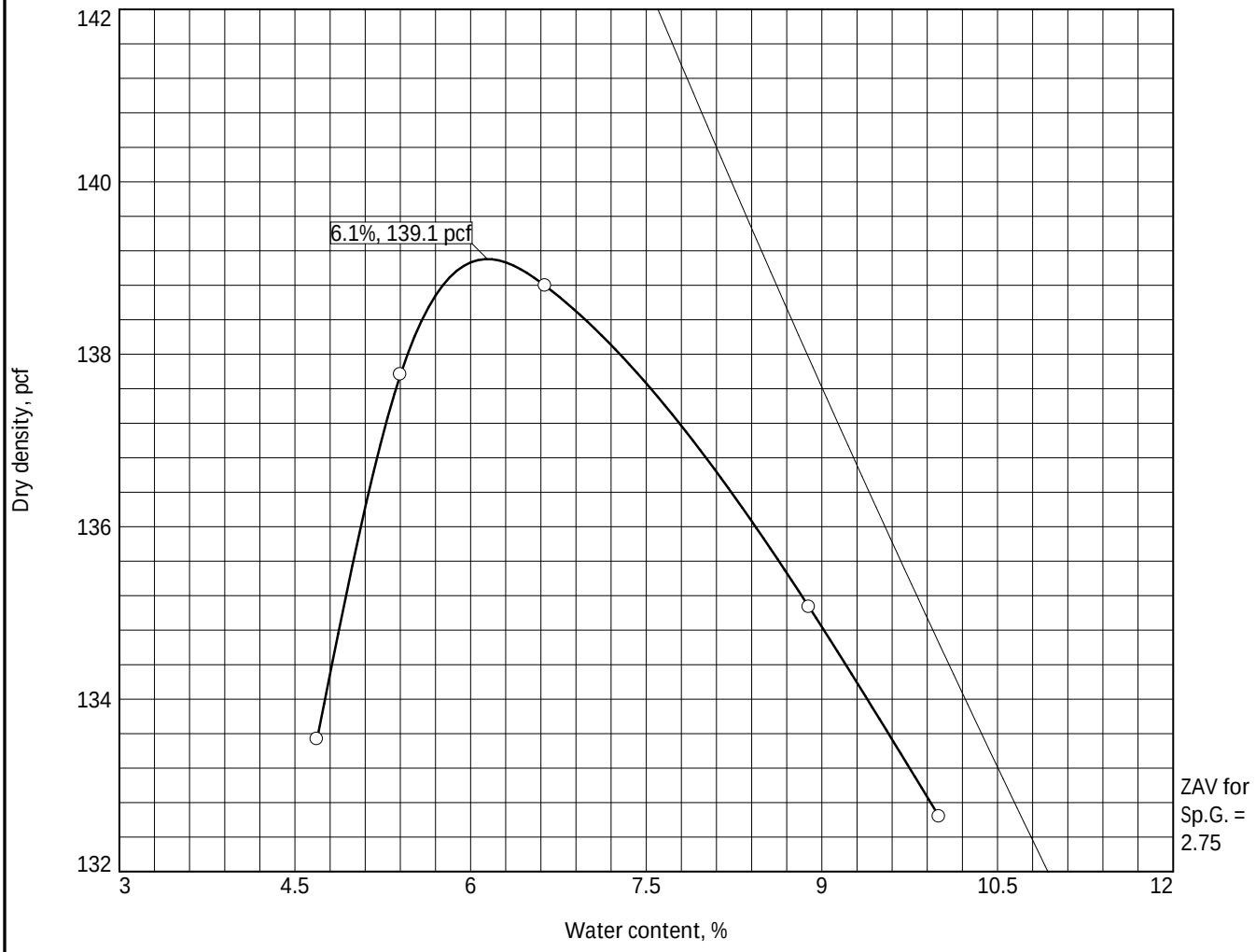
***WSDOT COMMON BORROW***
***LABORATORY SUMMARY***

| | | | | |
|---|---|---|---|---|
| LABORATORY NUMBER | | | | 25-0624 |
| SAMPLED BY | | | | Client |
| SAMPLE TYPE | | | | Bulk |
| DATE RECEIVED | | | | 6/30/25 |
| SAMPLE DESCRIPTION | | | | Silty sand with gravel (3/4" Structural Fill) |
| SAMPLE SOURCE | | | | Kings Lake Pit |
| | | UNITS | WSDOT FOP for TEST METHOD | WSDOT 9-03.14 (3) SPEC | |
| **PROCTOR** | | | AASHTO T180 | | |
| Maximum Unit Weight | | pcf | | | 139.1 |
| Optimum Moisture | | % | | | 6.1 |
| Sample Moisture | | % | | | 2.9 |
| **ATTERBERG LIMITS** | | | AASHTO T89/T90 | | |
| Liquid Limits | | % | | | |
| Plastic Limits | | % | | | |
| Plasticity Index | | % | | N/A | |
| **SIEVE ANALYSIS** | | | AASHTO T27/11 | | |
| S | 1" | | | | |
| I | 3/4" | % | | | 100 |
| E | 1/2" | | | | 100- |
| V | 3/8" | P | | | 98 |
| E | #4 | A | | | 77 |
| | #10 | S | | | 51 |
| S | #16 | S | | | 39 |
| I | #30 | I | | | 27 |
| Z | #40 | N | | | 22 |
| E | #100 | G | | | 13 |
| | #200 | | | 0-12 | 9.6 |
| **AGGREGATE ANGULARITY** | | | Visual | | SR - A* |
| **DRY RODDED UNIT WEIGHT** | | | AASHTO T19 | | |
| (Testing performed at field moisture 2.9% per client) | | | | | |
| Rodding (Method A) | | pcf | | | 110.5 |
| Voids | | % | | | 32.0 |
| Jigging (Method B) | | pcf | | | 111.9 |
| Voids | | % | | | 31.2 |
| Shoveling (Method C) | | pcf | | | 96.5 |
| Voids | | % | | | 40.7 |
| **SPECIFIC GRAVITY - COURSE** | | | AASHTO T85 | | |
| Bulk - Dry | | | | | 2.647 |
| Bulk - SSD | | | | | 2.682 |
| Apparent | | | | | 2.744 |
| Absorbsion | | % | | | 1.3 |
| **SPECIFIC GRAVITY - FINE** | | | AASHTO T84 | | |
| Bulk - Dry | | | | | 2.601 |
| Bulk - SSD | | | | | 2.642 |
| Apparent | | | | | 2.714 |
| Absorbsion | | % | | | 1.6 |
| **SPECIFIC GRAVITY - COMBINATION** | | | | | 2.611 |

*Sub-rounded - Angular

Product # 1040

# Moisture-Unit Weight Relationship




Test specification: AASHTO T 180-22 Method D Modified

| Elev/ Depth | Classification | | Nat. Moist. | Sp.G. | LL | PI | % > 3/4 in. | % < No.200 |
|---|---|---|---|---|---|---|---|---|
| | USCS | AASHTO | | | | | | |
| | | | 2.9 | | | | 0.0 | |

| TEST RESULTS | MATERIAL DESCRIPTION |
|---|---|
| Maximum dry density = 139.1 pcf<br>Optimum moisture = 6.1 % | Silty sand with gravel<br>(Common borrow) |

Project No. L25512 Client: Pro Recycle

Project: Pro Recycle 2025 Materials

○Source of Sample: Kings Lake pit Sample Number: 25-0624

Remarks:

Sampled by: Client

BUDINGER & ASSOCIATES, INC.

Date: 7-2-25

Tested By: LM Checked By: KC