1.

REFERENCES

1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC, DATED 2017.
2. PROPERTY OWNER AND PARCEL INFORMATION FROM SNOHOMISH COUNTY ONLINE PROPERTY INFORMATION VIEWER, COLLECTED ON MARCH 2018.
3. HORIZONTAL DATUM: NAD83
   VERTICAL DATUM: NAVD 88

PROPERTY INFORMATION VIEWER, COLLECTED ON MARCH 2018.

PERMIT BOUNDARY

REFERENCES

1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC, DATED 2017.
2. PROPERTY OWNER AND PARCEL INFORMATION FROM SNOHOMISH COUNTY ONLINE PROPERTY INFORMATION VIEWER, COLLECTED ON MARCH 2018.
3. HORIZONTAL DATUM: NAD83
   VERTICAL DATUM: NAVD 88
1. Pre-mining existing topography is shown for the proposed mining quarry expansion and the areas of the sand and gravel operation that have not been mined. Existing topography (2017) is shown for the areas that have been previously mined at the existing rock quarry and the cleared sand and gravel operation area.

2. Monitoring wells (basement east and basement west, inclinometer GA-16-1, GA-16-3, and HK-10-15) to be abandoned during mining operations. Monitoring wells (GA-16-2) to be relocated near well. No existing monitoring wells within operations areas may need adjustments to well head to accommodate mining operations.

3. No setbacks provided for adjacent Cadman Inc.-owned property.

REFERENCES

1. Topographic lidar data and parcel boundaries provided by Cadman Inc., dated 2017.
2. Horizontal Datum: NAD 83
   Vertical Datum: NAVD 88

NOTES

1. Existing topography (5' contour interval)
2. Existing vegetated/forested areas
3. Wetland and wetland buffer
4. Property setback
5. Seep
6. Existing vibrating wire piezometer
7. Existing inclinometer
8. Existing monitoring well
9. Ponds
10. Ponds
11. Property setback
12. Seep
13. Existing vibrating wire piezometer
14. Existing inclinometer
15. Existing monitoring well
16. Wetland and wetland buffer
17. Property setback
18. Seep
NOTE
1. MONITORING WELL 91-1 TO BE RELOCATED NEAR WELL 94-1 DURING MINING OPERATIONS. OTHER EXISTING MONITORING WELLS WITHIN SAND AND GRAVEL AREA MAY HAVE ADJUSTMENTS TO WELL HEAD TO ACCOMMODATE MINING OPERATIONS.

REFERENCES
1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC, DATED 2017.
2. HORIZONTAL DATUM: NAD 83/91

DNR RECLAMATION
Permit No. 70-011346

Cadman, Inc.
P.O. Box 97038
Redmond, WA 98073

(Applicant's Signature)

(Owner's Signature - State Trust Parcel)

HIGH ROCK RECLAMATION PLAN
DNR RECLAMATION PERMIT NO. 70-011346
MONROE, WASHINGTON

RECLAMATION SEQUENCE PLAN

1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC, DATED 2017.
2. HORIZONTAL DATUM: NAD 83/91

NOTE
1. MONITORING WELL 91-1 TO BE RELOCATED NEAR WELL 94-1 DURING MINING OPERATIONS. OTHER EXISTING MONITORING WELLS WITHIN SAND AND GRAVEL AREA MAY HAVE ADJUSTMENTS TO WELL HEAD TO ACCOMMODATE MINING OPERATIONS.

REFERENCES
1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC, DATED 2017.
2. HORIZONTAL DATUM: NAD 83/91

DNR RECLAMATION
Permit No. 70-011346

Cadman, Inc.
P.O. Box 97038
Redmond, WA 98073

(Applicant's Signature)

(Owner's Signature - State Trust Parcel)
LEGEND

- PRELIMINARY TOPOGRAPHY
- FINAL RECLAIMED GROUND SURFACE
- FINAL MINE GRADING

MAXIMUM MEASURED GROUNDWATER LEVEL
MINIMUM MEASURED GROUNDWATER LEVEL

NOTE:
1. GROUNDWATER LEVELS ADJUSTED FROM NAVD 29 TO NAVD 88.

REFERENCES:
1. TOPOGRAPHIC LIDAR DATA AND PARCEL BOUNDARIES PROVIDED BY CADMAN INC., DATED 2017.
2. HORIZONTAL DATUM: NAD 83
   VERTICAL DATUM: NAVD 88
**RECLAMATION SEED MIX**

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>PERCENT OF MIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraploid Perennial Rye Grass</td>
<td>43</td>
</tr>
<tr>
<td>Annual Rye Grass (Fall)</td>
<td>25</td>
</tr>
<tr>
<td>White Clover</td>
<td>17</td>
</tr>
<tr>
<td>Bird Foot Trefoil</td>
<td>17</td>
</tr>
</tbody>
</table>

**DECIDUOUS TREE PLANTING**

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>#/ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Leaf Maple</td>
<td></td>
</tr>
<tr>
<td>Red Alder</td>
<td></td>
</tr>
</tbody>
</table>

**CONIFER TREE PLANTING**

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>#/ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglas Fir</td>
<td>430</td>
</tr>
</tbody>
</table>

**NOTES:**
1. Seeding will be accomplished by broadcasting.
2. Seed Mix provided presents current mix used at the site, commercially referred to as DNR Reclamation mix by Wolfkill Industries of Monroe.
3. Tree species provided are potential species to be used for reclamation. Final seed mixtures, rates of applications, additional tree species and planting schemes will be finalized at the time of reclamation.

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**TYPICAL PLANTING SECTION**