EXISTING W.R. GRACE BUILDINGS WITHIN THE L.O.D. SHOWN HEREON SHALL BE REMOVED UNDER SDP-17-006 FINAL GRADES TO BE ESTABLISHED AS SHOWN HEREON.
**SPECIMEN TREE LIST FOR PARCEL 145, PARCEL 'B-1'**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>DBH</th>
<th>CONDITION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.01</td>
<td>Platanus occidentalis</td>
<td>American Elm</td>
<td>24</td>
<td>Excellent</td>
<td>OK</td>
</tr>
<tr>
<td>01.02</td>
<td>Acer saccharum</td>
<td>Sugar Maple</td>
<td>32</td>
<td>Good</td>
<td>OK</td>
</tr>
<tr>
<td>01.03</td>
<td>Quercus rubra</td>
<td>Red Oak</td>
<td>38</td>
<td>Fair</td>
<td>OK</td>
</tr>
<tr>
<td>01.04</td>
<td>Ulmus americana</td>
<td>American Elm</td>
<td>25</td>
<td>Poor</td>
<td>OK</td>
</tr>
<tr>
<td>01.05</td>
<td>Fraxinus pennsylvanica</td>
<td>Paw Paw</td>
<td>22</td>
<td>Fair</td>
<td>OK</td>
</tr>
</tbody>
</table>

**SPECIMEN TREE LIST (FOR PARCEL 412, PARCEL 'Y' & OPEN SPACE LOT 45 - PLAT 1841, 1971)**

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>SCIENTIFIC NAME</th>
<th>COMMON NAME</th>
<th>DBH</th>
<th>CONDITION</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.01</td>
<td>Larix laricina</td>
<td>Tamarack</td>
<td>30</td>
<td>Excellent</td>
<td>OK</td>
</tr>
<tr>
<td>01.02</td>
<td>Picea rubens</td>
<td>Red Spruce</td>
<td>25</td>
<td>Good</td>
<td>OK</td>
</tr>
<tr>
<td>01.03</td>
<td>Pinus strobus</td>
<td>White Pine</td>
<td>32</td>
<td>Fair</td>
<td>OK</td>
</tr>
<tr>
<td>01.04</td>
<td>Populus deltoides</td>
<td>Eastern Cottonwood</td>
<td>28</td>
<td>Poor</td>
<td>OK</td>
</tr>
<tr>
<td>01.05</td>
<td>Cornus sericea</td>
<td>Red Osier Dogwood</td>
<td>22</td>
<td>Excellent</td>
<td>OK</td>
</tr>
</tbody>
</table>

**FINAL ROADS CONSTRUCTION PLAN**

CEDAR CREEK - PHASE 1

[Plan drawing with dimensions and notes]
FIREPROOF PLANTING SCHEME
PLANTING NOTES:
- Species: White Pine (Pinus strobus), Red Pine (Pinus resinosa), White Cedar (Thuja occidentalis)
- Planting density: 250 trees per acre
- Planting in rows: 15 feet apart
- Planting depth: 2 feet
- Watering and fertilization: Every year for the first 3 years

FOREST RETENTION ARRAYS AND NOTES
- Arrays maintained to allow for firebreaks and access for firefighting purposes
- Arrays designed to prevent the spread of fire from one area to another
- Arrays spaced appropriately to allow for adequate growth of the forest

GENERAL NOTES
- Planting and maintenance of forest conservation plantings are required to prevent the spread of fire and to maintain a healthy forest ecosystem.
- Plantings are designed to provide shade and windbreaks for adjacent properties.
- Plantings are designed to provide habitat for local wildlife.

SEQUENCE OF CONSTRUCTION:
- Planting: The planting of trees is the first step in the construction process.
- Maintenance: The maintenance of the planted area is critical to the success of the project.
- Monitoring: Regular monitoring of the planted area is necessary to ensure the health of the trees.

FOREST CONSERVATION PLANTING TABLE

<table>
<thead>
<tr>
<th>Species</th>
<th>Planting Density</th>
<th>Total Acres</th>
<th>Total Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Pine</td>
<td>250 trees/acre</td>
<td>50 acres</td>
<td>12,500 trees</td>
</tr>
<tr>
<td>Red Pine</td>
<td>250 trees/acre</td>
<td>50 acres</td>
<td>12,500 trees</td>
</tr>
<tr>
<td>White Cedar</td>
<td>250 trees/acre</td>
<td>50 acres</td>
<td>12,500 trees</td>
</tr>
</tbody>
</table>

BORON COUNTY
FOREST CONSERVATION PLANTING

TOTAL PLANTING DENSITIES:
- White Pine: 250 trees/acre
- Red Pine: 250 trees/acre
- White Cedar: 250 trees/acre

TOTAL ACREAGE:
- 50 acres

TOTAL TREES:
- 12,500 trees

CONSTRUCTION PERIOD:
- Planting: Fall 2022
- Maintenance: Annual from 2023

CONSTRUCTION MANAGEMENT PLAN
- Oversight by a licensed forester
- Regular monitoring and maintenance

SIGNATURES:
- Forestry Manager:
- Project Engineer:
- Planting Specialist:

F-18-041
<table>
<thead>
<tr>
<th>Material Type</th>
<th>Description</th>
<th>Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-Bore Diff</td>
<td>For rain harvesting systems</td>
<td>As shown</td>
</tr>
</tbody>
</table>

**Operation and Maintenance Schedule for Micro-Bore Diff**

<table>
<thead>
<tr>
<th>Season</th>
<th>Maintenance Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Inspect and clean filters</td>
</tr>
<tr>
<td>Summer</td>
<td>Check system for leaks</td>
</tr>
<tr>
<td>Fall</td>
<td>Perform annual inspection</td>
</tr>
<tr>
<td>Winter</td>
<td>No maintenance required</td>
</tr>
</tbody>
</table>

**Typical Details**

- Micro-Bore Diff in Gravity Wall
- Micro-Bore Diff in Overflow

**Notes:**

- Ensure all components are properly installed and leak-free.
- Regular maintenance is crucial for optimal performance.

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**Appendix A:**

- Detailed technical specifications for installation and maintenance.
- Diagrams and charts illustrating correct installation methods.

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**Inspection:**

- Inspect all components before installation.
- Verify adherence to all specified installation practices.

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**General:**

- All work must be performed in accordance with the plans and specifications.
- Any deviations from the plans must be approved in writing by the architect or engineer.

---

**Robert H. Vogel Engineering, Inc.**

- Responsible for the engineering aspects of the project.
- Ensure all work is completed to the highest standards.
<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
<th>Column 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>Value</td>
<td>Value</td>
<td>Value</td>
<td>Value</td>
</tr>
</tbody>
</table>

**SUMMARY:**

- **Drawings:** Refer to the drawings for detailed specifications.
- **Construction Schedule:** To be provided in the next update.

---

**Notes:**

- Ensure all materials meet the specified quality standards.
- Regular site visits are mandatory to monitor progress.

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**Approvals:**

- **Chief, Bureau of Engineering:** Signature
- **Chief, Department of Planning and Design:** Signature

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**Final Road Construction Plan**

**Robert H. Vogel Engineering, Inc.**

**Date:** 01/01/2023

---

**Key:**

- **Initial:** J.H.V.
- **Review:** J.H.V.
- **Approval:** J.H.V.