Sediment Control Basin Data:

- Drainage Area: 25.18 AC
- Total Storage Required: 104,478 C.F.
- Total Storage Provided: 129,849 C.F. (El. 221.0)
- Net Storage Required: 55,348 C.F.
- Net Storage Provided: 56,848 C.F. (El. 221.0)
- Net Storage Elevation: 219.5
- Dry Storage Required: 69,530 C.F. (El. 221.0)
- Dry Storage Provided: 69,530 C.F. (El. 221.0)
- 1-Year Flow: 3,969 C.F.S. (TSMW)
- 1-Year Flow: 12.8 C.F.S. (TSMW)

Sediment Trap #1 Data:

- Stone Wool Sediment Trap (SWST)
- Drainage Area: 3.5 AC
- Total Storage Required: 23,135 C.F.
- Total Storage Provided: 34,000 C.F.
- Wet Storage Required: 4,140 C.F.
- Wet Storage Provided: 10,353 C.F. (El. 220.00)
- Dry Storage Required: 12,995 C.F.
- Dry Storage Provided: 12,827 C.F. (El. 222.00)
- Wet Length: 25.0
- Wet Elevation: 220.00
- Bottom EL: 217.00

Sediment Trap #2 Data:

- Stone Wool Sediment Trap (SWST)
- Drainage Area: 3.5 AC
- Total Storage Required: 23,135 C.F.
- Total Storage Provided: 34,000 C.F.
- Wet Storage Required: 4,140 C.F.
- Wet Storage Provided: 10,353 C.F. (El. 220.00)
- Dry Storage Required: 12,995 C.F.
- Dry Storage Provided: 12,827 C.F. (El. 222.00)
- Wet Length: 25.0
- Wet Elevation: 220.00
- Bottom EL: 217.00

Temporary Dewatering Standpipe

- Scale: 1" = 5'

1. Perforations in the drawdown device may not extend into the wet storage.
2. The total area of the perforations must be greater than 4 times the area of the pipe.
3. Provide support of drawdown device to prevent sagging and flotation. An acceptable preventative measure is to stake both sides of drawdown pipe withPTFE, C-2000, or the square of 3' round above pipe up to 3' into the ground, then joining them with the device by wrapping with:
4. The perforated portion of the drawdown device shall be wrapped with 1/2" hardwoven cloth and geotextile fabric. The geotextile fabric shall meet the specifications for geotextile Class C.
5. Perforations shall be 1/2 inch perforations at 1" on center each way, on an 6" PVC.
**NOTICE:** Landscape shown is for public rockside avenue and for the road improvements along route 1, port capital drive and old waterloo road. All other landscaping required shall be provided at site development stage when actual uses are determined.

### Developer's Certificate

The developer/owner acknowledges that the following street trees will be provided as specified in the plan:

- **Rockside Avenue**: 141 trees
- **Port Capital Drive**: 141 trees

Total trees required: 282
Total trees provided: 282

### Street Tree Calculations

<table>
<thead>
<tr>
<th>Street Location</th>
<th>Total Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rockside Avenue</td>
<td>141</td>
</tr>
<tr>
<td>Port Capital Drive</td>
<td>141</td>
</tr>
</tbody>
</table>

Total trees required: 282
Total trees provided: 282

### Planting Schedule

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Common Name</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>141</td>
<td><em>Prunus</em> 'Chippewa'</td>
<td>2 1/2” - 3” cal.</td>
</tr>
</tbody>
</table>

Total: 141 trees (141 street trees)

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**Legend:**

- *Prunus* 'Chippewa' - Street Trees
- *Prunus* 'Chippewa' - Trees to Planting Area
- *Prunus* 'Chippewa' - Street Trees to Planting Area

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**As-Built Information:**

The as-built information is revised on this sheet.