City of Kyle

Wastewater Treatment Plant Expansion

Yvonne Gil-Vallejo – Engineering Division
February 27, 2020
Overview of existing facilities

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main Manhole</td>
</tr>
<tr>
<td>2</td>
<td>Liftstation 1</td>
</tr>
<tr>
<td>3</td>
<td>Liftstation 2</td>
</tr>
<tr>
<td>4</td>
<td>Motor Control</td>
</tr>
<tr>
<td>5</td>
<td>Office</td>
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<tr>
<td>6</td>
<td>Primary Electrical Feed</td>
</tr>
<tr>
<td>7</td>
<td>Chemical Control</td>
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<tr>
<td>8</td>
<td>Blowers</td>
</tr>
<tr>
<td>9</td>
<td>Sludge Handling</td>
</tr>
<tr>
<td>10</td>
<td>Plant Reclaimed Water System</td>
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<tr>
<td>11</td>
<td>Treatment Train 1</td>
</tr>
<tr>
<td>12</td>
<td>Treatment Train 2</td>
</tr>
<tr>
<td>13</td>
<td>Main access</td>
</tr>
<tr>
<td>14</td>
<td>Plum Creek Golf course Effluent Station</td>
</tr>
</tbody>
</table>
City of Kyle
Existing Treatment Capacity

• Treatment Plant #1 – 1.5 MGD
  Constructed in 2000

• Treatment Plant #2 – 1.5 MGD
  Constructed in 2006
City of Kyle
Future Treatment Capacity

• Expanded Facility - 1.5 MGD

• Total Combined Capacity – 4.5 MGD
Expanded Treatment Facility to be constructed

1 - Headworks
2 – Aeration Basin Splitter Box
3 – Aeration Basin
4 – Secondary Clarifiers
5 – Tertiary Treatment
6 – Disinfected Effluent
7 – Post Aeration Basin
8 – Discharge Point to Plum Creek
Expanded Treatment Facility
to be constructed

9 – Aerobic Digesters
10 – Sludge Dewatering & Disposal
Expanded Treatment Facility Overview

Discharge point to Plum Creek via Heidenreich Lane.
Project Schedule

• Bid Award February 4, 2020
  • Funding approved $30,338,070 w/5% contingency
  • Contractor: Archer Western Contractors, LLC
  • Contract documents executed
  • Notice to proceed, April 13, 2020
  • 650 Days to construct
Thank you.

Questions?