NOTE:
The light poles should be located between the guardrail posts and not right behind the guardrail post.
## ROADWAY LIGHTING POLE & LUMINAIRE SCHEDULE
### HOUGHTON ROAD & DAWN ROAD

<table>
<thead>
<tr>
<th>POLE NO.</th>
<th>STATION</th>
<th>ROADWAY</th>
<th>OFFSET</th>
<th>FOUNDATION TYPE</th>
<th>BASE TYPE</th>
<th>POLE TYPE</th>
<th>MAST ARM LENGTH</th>
<th>LUMINAIRE TYPE</th>
<th>LUMINAIRE WATTAGE</th>
<th>CIRCUIT</th>
<th>FAO SETTING</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>162 + 32</td>
<td>Houghton Road</td>
<td>46.52'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>6'</td>
<td>LED</td>
<td>118</td>
<td>A</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
<tr>
<td>2</td>
<td>162 + 33</td>
<td>Houghton Road</td>
<td>70.5'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>20'</td>
<td>LED</td>
<td>118</td>
<td>B</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
<tr>
<td>3</td>
<td>162 + 29.6</td>
<td>Dawn Road</td>
<td>34.5'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>20'</td>
<td>LED</td>
<td>118</td>
<td>A</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
<tr>
<td>4</td>
<td>163 + 31</td>
<td>Houghton Road</td>
<td>46.52'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>6'</td>
<td>LED</td>
<td>118</td>
<td>A</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
<tr>
<td>5</td>
<td>165 + 32</td>
<td>Houghton Road</td>
<td>70.5'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>20'</td>
<td>LED</td>
<td>118</td>
<td>A</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
<tr>
<td>6</td>
<td>164 + 6.5</td>
<td>Houghton Road</td>
<td>46.52'</td>
<td>Type G</td>
<td>Standard</td>
<td>Type G (ADOT T-SL 4.07)</td>
<td>6'</td>
<td>LED</td>
<td>118</td>
<td>A</td>
<td>4</td>
<td>Install foundation between the guardrail posts</td>
</tr>
</tbody>
</table>

### CONDUIT & CONDUCTOR SCHEDULE

<table>
<thead>
<tr>
<th>CONDUIT RUN NUMBERS</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONDUIT SIZE (INCHES)</td>
<td>2.5</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>CIRCUIT FUNCTION</td>
<td>A</td>
<td>A-B</td>
<td>A</td>
<td>A</td>
<td>A-B</td>
<td>B</td>
</tr>
</tbody>
</table>

### CABINET AND POLE SCHEDULE

<table>
<thead>
<tr>
<th>TRAFFIC SIGNAL CONTROLLER CABINET AND ELECTRICAL LOAD CENTER CABINET</th>
<th>HOUGHTON AND DAWN INTERSECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABINET</td>
<td>TYPE</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### REMARKS
- Locate by engineer in the field, Min 10 feet from face of curb to the street side of foundation and Min 21 feet from rear edge of through lane.
- Meter service pedestal #5 Single pole 50 amp circuit breakers and #5 Gound for controller per T 125.
### Native Plant Inventory Notes:
1. All inventory notes were conducted in accordance with the PCDOT [Appendix A.2](#) of the Environmental Sensitivity Inventory Design Guidelines, Pima County DOT Roadway Design Manual.

2. All protected native plants listed in the Update to Appendix A.2 of the Environmental Sensitivity Inventory Design Guidelines, Pima County DOT Roadway Design Manual within the project area right-of-way to Right-of-Way are listed here. All data have been compiled in accordance with MCDOT's Native Plant Inventory Protocol.

3. All inventory notes were compiled from the native plant inventory provided to the Pima County Project Manager.

4. Proposed mitigation of native plants in accordance with the standards and tables in the Final Native Plant Inventory provided to the Pima County Project Manager.

5. In no case may native underground plants be removed, destroyed, or relocated from an existing plant of native plants which is to be preserved in place. The perimeter of the area preserved in place shall be designated in accordance with standards set forth in the Pima County Environmental Sensitivity Inventory Design Guidelines Native Plant Preservation, Salvage, and Mitigation, subsection B.1.C.1.a.

6. Native native plants shall not be destroyed, destroyed, removed from the premises or relocated on the premises except in accordance with an approved native plant preservation, salvage, and mitigation plan and an Arizona Department of Agriculture and Horticultural requirements.

### Landscape Demolition Notes:
1. SAH notes shall be provided for all alterations and other invasive species prior to initiation of work. See Species Provisions 200.1-204.

2. Contractor is responsible for the preservation of existing plant materials according to Species Provisions Section 200.1.100. Seeding branches within the right-of-way that may impact construction shall be pruned in accordance with Species Provisions Section 200.1.100 and Item 200.1.300.

3. Excluding trees on an existing property may have a service area that is required for grading. See Species Provisions 200.1.100. All grading shall be performed without the notification of Pima County Community Reviews.

4. Where construction impacts existing landscape or irrigation encroachments within the right-of-way, the contractor shall coordinate required adjustments with Project Engineer and adjacent property owners. See also Species Provisions.

5. Contractor is to install preservation fencing as detailed by engineer prior to boarding. Fencing shall be installed on the project area as required. Preservation fencing is to remain during duration of project. See MCDOT 200.1.100.

6. Removal of all grass and native plants shall be in accordance with the provisions of the Arizona Native Plant Law, A.R.S., Chapter 7. Grass under the protection of native plant laws will have been removed prior to construction. If, during construction, additional grass is required, it shall be removed. Contractor is to contact PCDOT Project Manager or Pima County Plant Nursery Manager 200.1.100-320.

### Plant Inventory Summary

<table>
<thead>
<tr>
<th>Botanical Name</th>
<th>GHT</th>
<th>RHT</th>
<th>FLS</th>
<th>PCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acacia chrtosti</td>
<td>210</td>
<td>310</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Acacia greggii</td>
<td>33</td>
<td>25</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Carnegiea gigantea</td>
<td>21</td>
<td>19</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Ceratocylis deserticola</td>
<td>210</td>
<td>151</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Eriococcus scoparius</td>
<td>15</td>
<td>13</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>505</td>
<td>400</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>94</td>
<td>0</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>55</td>
<td>42</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>68</td>
<td>61</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>49</td>
<td>3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>41</td>
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<tr>
<td>Fouquieria splendens</td>
<td>130</td>
<td>130</td>
<td>187</td>
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<tr>
<td>Fouquieria splendens</td>
<td>21</td>
<td>20</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Fouquieria splendens</td>
<td>11</td>
<td>10</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

### Saguaros Inventory

<table>
<thead>
<tr>
<th>Height</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' - 4'</td>
<td>3</td>
</tr>
<tr>
<td>5' - 6'</td>
<td>3</td>
</tr>
<tr>
<td>7' - 8'</td>
<td>2</td>
</tr>
<tr>
<td>8' or over</td>
<td>1</td>
</tr>
</tbody>
</table>

### NPI Symbols

- **RFS**: Refrigerated Services
- **PIP**: Planting in Place
- **PRP**: Preservation Review

*NOTE: 1. Saguaros are to be photographed at ½ to 1½ times the area protected unless salvaged and transplanted on site.*

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**Scales**

- **Unit**: Meters
- **Format**: Sheet 1 of 14
**FINISH GRADE AT CONCRETE PAVEMENT**

1. Soils to be placed at least 2'-6" above finished grade with a minimum fill of 2'-1".
2. Soils to be compacted to 95% of maximum density using mechanical equipment.
3. Soils to be covered with a minimum of 3" of concrete.

**BOULDER PLACEMENT AT CURB**

1. Boulders to be placed at least 2'-6" above finished grade.
2. Boulders to be compacted to 95% of maximum density using mechanical equipment.
3. Boulders to be covered with a minimum of 3" of concrete.

**DESSERT COBBLE**

1. Desert cobbles to be placed at least 2'-6" above finished grade.
2. Desert cobbles to be compacted to 95% of maximum density using mechanical equipment.
3. Desert cobbles to be covered with a minimum of 3" of concrete.

**WATER HARVESTING BASIN (TYP.)**

1. Basin to be placed at least 2'-6" above finished grade.
2. Basin to be compacted to 95% of maximum density using mechanical equipment.
3. Basin to be covered with a minimum of 3" of concrete.

**SAGUARO TRANSPLANT (SALVAGE)**

1. Saguaro transplants to be placed at least 2'-6" above finished grade.
2. Saguaro transplants to be compacted to 95% of maximum density using mechanical equipment.
3. Saguaro transplants to be covered with a minimum of 3" of concrete.

**PRE-SHARK FENCE**

1. Fence to be placed at least 2'-6" above finished grade.
2. Fence to be compacted to 95% of maximum density using mechanical equipment.
3. Fence to be covered with a minimum of 3" of concrete.

**NOTES:**

1. All materials to be placed and compacted to 95% of maximum density.
2. All materials to be covered with a minimum of 3" of concrete.
3. All materials to be inspected and approved by the inspector.
4. All materials to be tested for compliance with the specifications.
1. **SHRUB PLANTING DETAIL**

   - Notes:
     1. No plants shall be pruned except at the discretion of the owner's representative.
     2. Depth (D) of plant to be equal to depth of container.
     3. Final grade of soil ball shall not exceed final grade of surrounding soil. Ball shall be packed up to 1/3 above surrounding soil to allow for settling.
     4. Do not place tree grass or base of plant.

2. **AGAVE/YUCCA PLANTING**

   - Notes:
     1. Do not create a back of base of plant. Allow back to lead away from head.
     2. Set stem succulent up to the top of soil ball unless alternate grade.
     3. The total grade shall be uniform from root ball to rise.

3. **PRICKLY PEAR PLANTING (CONTAINER GROWN)**

   - Notes:
     1. This material applies to nursery grown stock of Senita Cactus.
     2. Do not create a back of base of plant. Allow back to lead away from head.
     3. Set when supported so that top of soil ball matches alternate grade.
     4. Depth (D) of plant to the equal to depth of container.
1. MEDIAN TREATMENT DETAIL

2. MULTI-USE PATH TREATMENT DETAIL
SEE SHEET LP2.16 FOR CHANNEL

MATCHLINE STA 15+00

MATCHLINE STA 13+00

MATCHLINE STA 12+00

MATCHLINE STA 11+00

MATCHLINE STA 10+00

SEE SHEET LP2.11

SEE SHEET LP2.14 & LP2.15 FOR CHANNEL

Houghton Road

Houghton Rd Cat. E

Houghton Road

Scales 1/1000 1/1200 1/2400 1/4800

Hardscape Materials Schedule