Insert SMP Site Plan Here

LEGEND:

REQUIRED SMP COMPONENTS:

SURFACE FLOW PLANS

OVERFLOW CATCH BASIN

DRAINAGE

RECAPTURE (SPILLWAY BLOCK, RIP RAP)

PROPOSED TREE

SMM COMPONENTS, AS APPLICABLE:

CITY FACILITY

LEI (OR SELF-DEFENDING) WITH 3:1 SLOPE

LEI WITH WALLS

TREE WELL FIBER

PERVIOUS LANDSCAPING

PUMP

TRASH CAPTURE DEVICES

AREA DRAINS
### Table 1 - Project and site attributes

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Groundwater elevation (above sea level, highest encountered)</td>
<td></td>
</tr>
<tr>
<td>Soil type (NRCS group)</td>
<td></td>
</tr>
<tr>
<td>Infiltration rate ($k_{sat}$, only required if proposing infiltration measures)</td>
<td>in/hr</td>
</tr>
</tbody>
</table>

* May not be required until final plan submittal, depending on stormwater management design (although, recommended with preliminary submittal)

### Table 2 - Drainage Management Areas (DMAs) & Receiving Landscape Based Management Measures

<table>
<thead>
<tr>
<th>DMA#</th>
<th>Impervious ft²</th>
<th>Landscape / Pervious ft²</th>
<th>Factored Impervious Area ft²</th>
<th>Minimum Surface of Treatment Measure</th>
<th>Proposed Surface of Treatment Measure</th>
<th>Proposed Sizing Ratio</th>
<th>Sizing Methodology**</th>
<th>Dimensions (L x W x minimum ponding depth***)</th>
<th>Type of management measure****</th>
<th>SMM#</th>
<th>Corresponding Detail(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>43,560</td>
<td>10,000</td>
<td>44,560</td>
<td>1,783</td>
<td>1,900</td>
<td>4.2%</td>
<td>4%</td>
<td>25 x 30 x 6&quot;</td>
<td>Bioretention (lined)</td>
<td>SMM 1</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SMM 2</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Impervious area + 0.14 x Landscape / Pervious area
** KE = C.3.4.5, Volume = C.3.4.6.1, Combo = C.3.4.5.2:1 for self-retaining
*** Account for void space in materials if applicable (e.g. pervious pavement)
**** Select from following management measure types:
    - Bioretention Area/Through Planter
    - Bioretention Area Upland
    - Infiltration Facility
    - Self-Filtering
    - Pervious Landscaping
    - Tree Well Filter

### Table 3 - Non-LID Management Measures

<table>
<thead>
<tr>
<th>SMM#</th>
<th>Type*</th>
<th>Model/Serial Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMM 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Select from following types:
  - Pump
  - Inlet filter (including trash capture devices)
  - Vortex Separator
### Table 4 - Hydromodification Management (HM) Measurement / Flow Duration Controls

#### Part 1 - HM Provided Within Vaults, Oversized Pipes, or Other Structures

<table>
<thead>
<tr>
<th>DMA#s</th>
<th>Impervious ft²</th>
<th>Landscape / Pervious ft²</th>
<th>HM Facility Name</th>
<th>Type of HM</th>
<th>Minimum Volume Required</th>
<th>Dimensions to Achieve Volume</th>
<th>Orifice Diameters</th>
<th>Orifice Height/Elevation</th>
<th>Orifice Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMA#1, DMA#2, DMA#3</td>
<td>120,000</td>
<td>30,000</td>
<td>SMM 4</td>
<td>Vault</td>
<td>11,500 ft³</td>
<td>115'L x 100'W x 10'D</td>
<td>1.25&quot;</td>
<td>Vault Bottom</td>
<td>CB#6 (in Vault)</td>
</tr>
<tr>
<td>DMA#4, DMA#5, DMA#6</td>
<td>60,000</td>
<td>15,000</td>
<td>SMM 5</td>
<td>Oversized Pipes</td>
<td>4,000 ft³</td>
<td>100' of 3' dia. pipe, 120'L x 6'W x 6'D of 2&quot; rock around pipe</td>
<td>2&quot;</td>
<td>Bottom of CB</td>
<td>CB#9</td>
</tr>
</tbody>
</table>

#### Part 2 - HM Provided Within Landscape - Based Treatment Measures

<table>
<thead>
<tr>
<th>DMA#s</th>
<th>Impervious ft²</th>
<th>Landscape/Pervious ft²</th>
<th>Impervious Area ft²</th>
</tr>
</thead>
</table>

### Table 5 - Special Projects Media Filter Information

<table>
<thead>
<tr>
<th>DMA#s</th>
<th>Impervious ft²</th>
<th>Landscape/Pervious ft²</th>
<th>Treatment Credit ft²</th>
<th>Media Filter Name</th>
<th>Media Filter Type</th>
<th># cartridges required</th>
<th># cartridges provided</th>
<th># cartridge height</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMA#s</td>
<td></td>
<td></td>
<td></td>
<td>SMM 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL**
Stormwater Management Plan Standard Notes:

1. **Storm drain system**:
   a. All public and private storm drain inlets must be labeled "No Dumping Drains to Bay" with markers purchased from the City of Fremont Environmental Services Division. Alternative inlet markings may be permitted, subject to approval by the City.
   b. Treatment measures located in the right-of-way must be stenciled "Stormwater Treatment Area - Do Not Alter Landscape." The stencils may be purchased from the City of Fremont Environmental Services Division. Alternative inlet stencils or markings may be permitted, subject to approval by the City.

2. **Roof Drainage and Grass Infiltration**: Roof drains must drain away from the building and discharge to a landscape area or stormwater treatment measure hydraulically designed to treat the stormwater as required.

3. **Fire Suppression Trench**: Where feasible, the sprinkler test water must be drained to an appropriately sized vegetated area. With approval from Union Sanitary District, the sprinkler test water may be connected to the sanitary sewer. Contact Union Sanitary District for connection and discharge requirements.

4. **Inlet Flushing Equipment**: Drain inlet flushers must be directly or indirectly connected to the storm drain system. The applicant must contact Union Sanitary District for specific connection and discharge requirements.

5. **All Connections Outdoor**: Condensate from air conditioning units shall be directed to appropriately sized landscaped areas or the ground. All anti-algal or descaling agents must be approved by the inspector and/or may be required to submit a revision to an issued permit for review and approval prior to discharge.

6. **Network Flow Analysis**: Network flow analysis must be performed for all stormwater systems. Contact Union Sanitary District for specific connection and discharge requirements.

7. **Stormwater Treatment Area**: Stormwater treatment areas must be stenciled "Stormwater Treatment Area - Do Not Alter Landscape." The stencils may be purchased from the City of Fremont Environmental Services Division. Alternative inlet stencils or markings may be permitted, subject to approval by the City.

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24. **Network Flow Analysis**: Network flow analysis must be performed for all stormwater systems. Contact Union Sanitary District for specific connection and discharge requirements.

25. **Stormwater Treatment Area**: Stormwater treatment areas must be stenciled "Stormwater Treatment Area - Do Not Alter Landscape." The stencils may be purchased from the City of Fremont Environmental Services Division. Alternative inlet stencils or markings may be permitted, subject to approval by the City.

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