Tier 1
Stormwater Control Plan

Prepared for:
Two Trees Architect
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Prepared By:
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COLEMAN RESIDENCE

607 Sand Point Road
Carpinteria, CA 93013

November 5, 2018
Project Data Form and runoff reduction measure selection

Complete all fields.

<table>
<thead>
<tr>
<th>Project Name/Number</th>
<th>Coleman Residence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Submittal Date</td>
<td>November 5, 2018</td>
</tr>
<tr>
<td>Project Location</td>
<td>607 Sand point Road</td>
</tr>
<tr>
<td></td>
<td>Carpinteria, CA 93013</td>
</tr>
<tr>
<td>Name of Owner or Developer</td>
<td>Allison and Timothy Coleman</td>
</tr>
<tr>
<td>Project Type and Description</td>
<td>Single Family Residence</td>
</tr>
<tr>
<td>Total Project Site Area (acres)</td>
<td>1.220 acres</td>
</tr>
<tr>
<td>Total New Impervious Surface Area (square feet)</td>
<td>4,853 square feet or 0.111 acres</td>
</tr>
<tr>
<td>Total Replaced Impervious Surface Area</td>
<td>4,475 square feet or 0.103 acres</td>
</tr>
<tr>
<td>Total Pre-Project Impervious Surface Area</td>
<td>5,718 square feet or 0.131 acres</td>
</tr>
<tr>
<td>Total Post-Project Impervious Surface Area</td>
<td>9,328 square feet or 0.214 acres</td>
</tr>
<tr>
<td>Net Impervious Surface Area</td>
<td>9,328 square feet or 0.214 acres</td>
</tr>
<tr>
<td>Runoff Reduction Measures Selected</td>
<td>☐ 1. Disperse runoff to vegetated area</td>
</tr>
<tr>
<td></td>
<td>☐ 2. Pervious pavement</td>
</tr>
<tr>
<td></td>
<td>✓ 3. Cisterns or Rain Barrels</td>
</tr>
<tr>
<td></td>
<td>☐ 4. Bioretention Facility or Planter Box</td>
</tr>
</tbody>
</table>
Measure 3: Cisterns or Rain Barrels

Runoff from portions of the roof will be collected and directed to two 530 gallon storage tank under the proposed wood deck. A house bib outlet will be provided to allow the water to be used for irrigation.

Show on your site plan:
- Impervious areas tributary to each cistern or rain barrel.
- Location of each cistern or rain barrel.

Confirm the following standard specifications are met:
- Rain barrels are sited at or above grade on a sound and level surface at or near gutter downspouts.
  Above grade storage tank on gravel pad proposed adjacent to utility vault. Downspout from portion of roof area will be routed directly to storage tank through hung piping system.
- Gutters tributary to rain barrels are screened with a leaf guard or maximum ½-inch to ¼-inch-minimum corrosion-resistant metallic hardware fabric.
  Gutters tributary to the storage tank shall be fitted with gutter guard covers.
- Water collected will be used for irrigation only.
- Water collected will be used for irrigation only.
- Openings are screened with a corrosion-resistant metallic fine mesh (1/16 inch or smaller) to prevent mosquito harborage.
  Downspout inlet shall include an inlet screen with 1/16-inch fine mesh to prevent mosquito harborage. All other parts of the system are closed.
- Lids are secured to prevent entry by children.
  Proposed tank system is a closed system with no uncovered openings. Lids will be secured to prevent entry by children.
- Rain barrels and gutters are to be cleaned annually.
  Gutters will be inspected annually for debris or clogging and damage and cleaned or repaired as necessary. Tank system shall be inspected annually for sediment deposition and damage and pumped or repaired as necessary.
4,371 SF - IMPERVIOUS ROOF AREA
4,957 SF - IMPERVIOUS FLATWORK AREA
1,893 SF - PERMEABLE DECK / PATH AREA
41,920 SF - LANDSCAPE AREA
53,141 SF - TOTAL AREA

DRAINAGE EXHIBIT
POST-PROJECT
COLEMAN RESIDENCE
607 SAND POINT ROAD, CARPINTERIA
NOVEMBER 5, 2018

S C A L E : 1" = 40'