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

APN 004-098-006

November 5, 2018

Project Data Form and runoff reduction measure selection

Complete all fields.

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

Runoff Reduction Measures

Measure 3: Cisterns or Rain Barrels

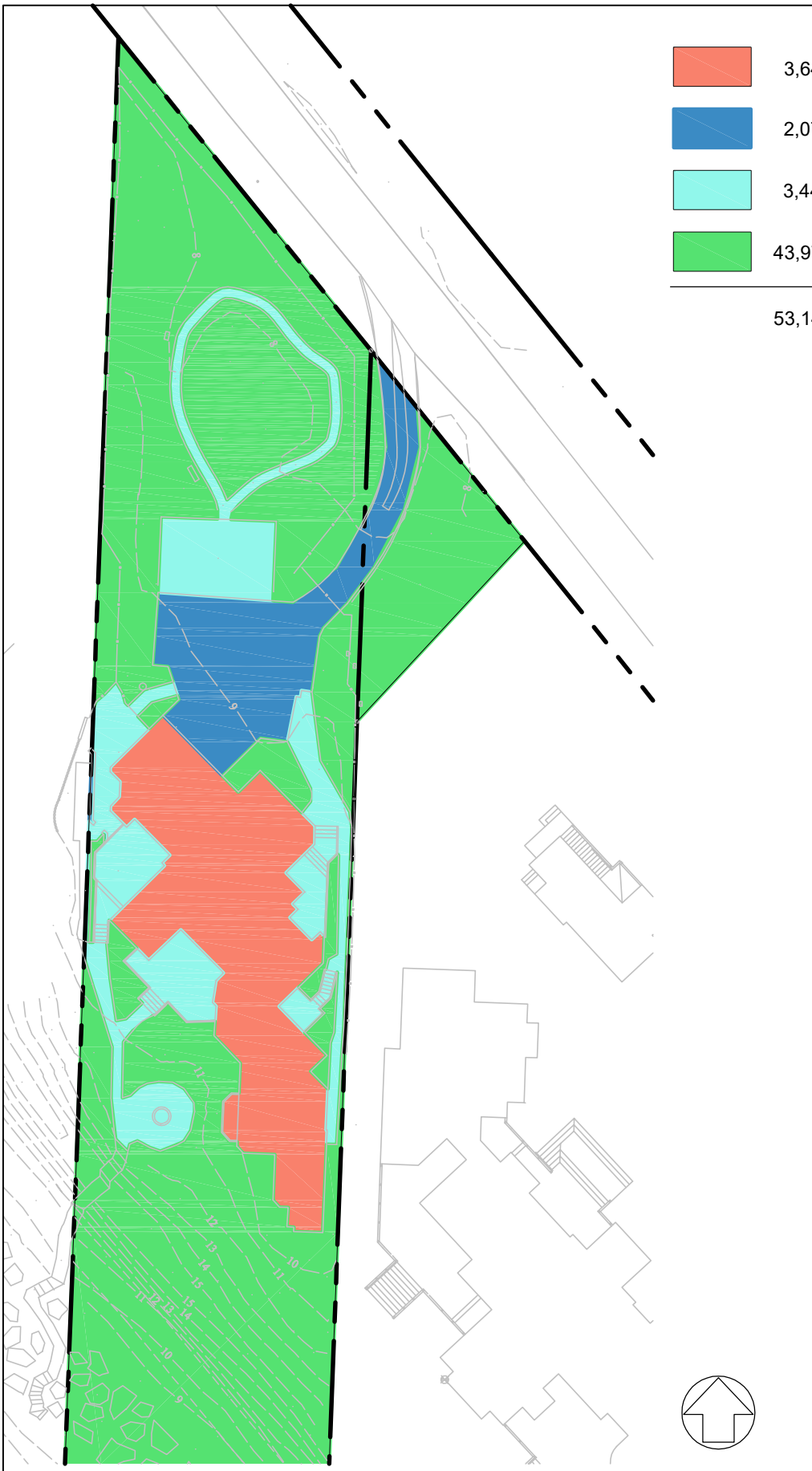
Runoff from portions of the roof will be collected and directed to two 530 gallon storage tank under the proposed wood deck. A house bib outlet will be provided to allow the water to be used for irrigation.

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



3,643 SF - IMPERVIOUS ROOF AREA

2,075 SF - IMPERVIOUS FLATWORK AREA

3,448 SF - PERMEABLE DECK / PATH AREA

43,975 SF - LANDSCAPE AREA

53,141 SF - TOTAL AREA

SCALE: 1" = 40'

0 40 80 120 160

DRAINAGE EXHIBIT
PRE-PROJECT
COLEMAN RESIDENCE

607 SAND POINT ROAD, CARPINTERIA

NOVEMBER 5, 2018

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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

SCALE: 1" = 40'

0 40 80 120 160

DRAINAGE EXHIBIT
POST-PROJECT
COLEMAN RESIDENCE

607 SAND POINT ROAD, CARPINTERIA

NOVEMBER 5, 2018

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