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REB ENGINEERING, INC.

CIVIL AND STRUCTURAL ENGINEERING

SURVEYING AND LAND PLANNING

Storm Water Control Plan

For Small Projects/Single-Family Homes

RECEIVED

APR 0 8 2019

Napa County Planning, Building & Environmental Services

For the

Shed & Access Road Grading Plan

At 5690 Dry Creek Rd
Napa, CA 94558
APN 034-030-061

Owner:
James f. & Sarah L. Kateley

Prepared By:
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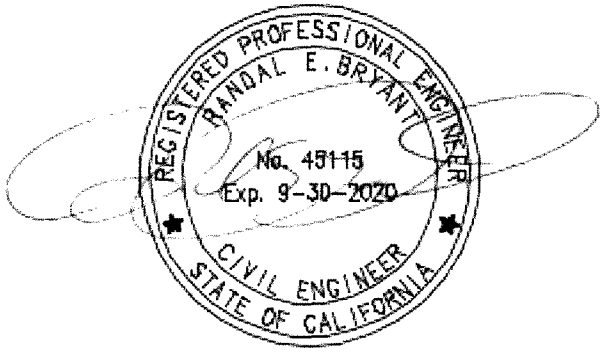

Date: 10-13-2015
REV1 DATE: 11-29-2018
REV2 DATE: 04-03-2019

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SAINT HELENA, CALIFORNIA, 94574

Runoff Reduction Options

Disperse runoff from roofs or pavement to vegetated areas.
On the site plan, show:

- ✓ Each impervious area from which runoff will be directed, and its square footage.
- ✓ The vegetated areas that will receive runoff, and the approximate square footage of each.
- ✓ If necessary, explain in notes on the plan how runoff will be routed from impervious surfaces to vegetated areas.

Confirm the following standard specifications are met:

- ✓ Tributary impervious square footage in no instance exceeds twice the square footage of the receiving pervious area.
- ✓ Roof areas collect runoff and route it to the receiving pervious area via gutters and downspouts.
- ✓ Paved areas are sloped so drainage is routed to the receiving pervious area.
- ✓ Runoff is dispersed across the vegetated area (for example, with a splash block) to avoid erosion and promote infiltration.
- ✓ Vegetated area has amended soils, vegetation, and irrigation as required to maintain soil stability and permeability.

Any drain inlets within the vegetated area are at least 3 inches above surrounding grade.

A.P.N. 034-030-061 & A.P.N. 034-370-040

DMA NAME	DMA Area (square feet)	Post-Project surface type	DMA Runoff factor	DMA Area x runoff factor	Sizing Factor	Minimum Facility Area (SF)	Proposed Drainage Facility
1C	2015	IMPERMABLE	1	2015	0.5	1007.5	100B
2C	13287	IMPERMABLE	1	13287	0.5	6643.5	102B
3C	6643	IMPERMABLE	1	6643	0.5	3321.5	103B & 104B
4C	3141	IMPERMABLE	1	3141	0.5	1570.5	107B
5C	4728	IMPERMABLE	1	4728	0.5	2364	105B
6C	2322	IMPERMABLE	1	2322	0.5	1161	107B
7C	2752	IMPERMABLE	1	2752	0.5	1376	106B
8C	5805	IMPERMABLE	1	5805	0.5	2902.5	108B
9C	1986	IMPERMABLE	1	1986	0.5	993	109B
20C	75	IMPERMABLE	1	75	0.5	37.5	21B
22C	144	IMPERMABLE	1	144	0.5	72	23B