



STORMWATER CONTROL PLAN

REGULATED PROJECT

BOMMARITO WINERY

1109 GALLERON LANE, ST. HELENA, CA 94574

APN: 030-080-003

MARCH 18, 2019



PREPARED BY:

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I. Introduction & General Requirements

A. Report Overview

Madrone Engineering has prepared this report to assist the Bommarito Winery project in complying with current storm water regulations, specifically the Phase II NPDES Permit for Small Municipal Storm Sewer Systems (MS4s). As of June 30, 2015, development projects that create or replace 2,500 square feet or more of impervious surface (roofs or pavement) must incorporate specific measures to reduce runoff.

As the total new or reconstructed impervious area for this project is more than 5,000 square feet, and the project is not in the "Single-Family Home" category, the project is required to submit a complete Storm Water Control Plan for Regulated Projects. This report follows the Bay Area Stormwater Management Agencies Association (BASMAA) guidelines found in Appendix D (Regulated Projects) of the Post-Construction Manual.

B. Project Description **Use**

This project is requesting a ~~Building~~ Permit to construct a new production building, crush pad and tasting room at 1109 Galleron Lane, St. Helena, CA (APN: 030-080-003). The project will include remodel of an existing residence to become a office and tasting room, construction of a covered crush pad, production building and a new driveway to meet Napa County Road & Street Standards.

The project location is near the center of the parcel which includes multiple existing buildings, an access road, and ~21 acres of vineyard. The parcel is situated between Galleron Lane and Mee Lane a few hundred feet away from Highway 29. The natural ground is gently sloping, ranging from 1%-3%. Stormwater is currently transported from northwest to southeast across the parcel by sheet flow. The stormwater eventually drains to the Napa River via sheet flow and downstream drainage ditches.

C. Opportunities and Constraints for Stormwater Control

As much of the project area has already been planted in vineyard, there are no proposed revisions to the existing paths of stormwater flow. Downspouts from the new roof areas will be carried by solid storm drain piping to the adjacent vineyard to outfall.



II. Project Data Form

Table 1: Project Data Form

Project Name/Number	Bommarito Winery
Application Submittal Date	March 18, 2019
Project Location (street address + APN)	1109 Galleron Lane St. Helena, CA 94574 APN: 030-080-003
Name of Owner or Developer	Leonardini Family Vineyards LLC
Project Type and Description	Regulated Project (> 5,000 square feet) New covered crush pad, production bldg., parking area, and widened driveway.
Total Project Site Area (acres)	23.39 (entire parcel)
Total New or Replaced Impervious Surface Area (square feet)	~47,080 square feet
Total Pre-Project Impervious Surface Area	~7,500 square feet
Total Post-Project Impervious Surface Area	~53,000 square feet



III. Low Impact Development (LID) Design Strategies

Appendix D of the BASMAA Post-Construction Manual provides the following guidelines for reducing storm water runoff:

1. Optimization of Site Layout
2. Use of Permeable Pavements
3. Dispersal of Runoff to Pervious Areas
4. Stormwater Control Measures

See below for specific details showing the implementation of LID design strategies for this project.

A. Guideline 1: Optimization of Site Layout

The following items (if checked) have been included in the design and are shown on the project plans.

- Limitation of development envelope.
- Preservation of natural drainage features.
- Setbacks from creeks, wetlands, and riparian habitats.
- Minimization of imperviousness
- Use of drainage as a design element.

B. Guideline 2: Use of Pervious Pavement

Not used.

C. Guideline 3: Dispersal of Runoff to Pervious Areas

The proposed downspouts for the new areas covered by roof will be outlet to adjacent vineyard areas.

D. Guideline 4: Stormwater Control Measures

No additional stormwater control measures are proposed beyond those described above.

IV. Documentation of Drainage Design

A. Descriptions of Each Drainage Management Area

Table 2: DMA Descriptions

DMA Name	Surface Type	Area (square feet)
DMA #01	Parking Area, Roof, Driveway	~6,540
DMA #02	Driveway	~6,810
DMA #03	Driveway, Roof	~33,730



B. Tabulation

See Appendix B, Drainage Management Areas, for a detailed map of the DMAs draining to existing surrounding vineyard.

1. Self-Treating Areas
Not applicable to this project.
2. Self-Retaining Areas
Not applicable to this project.
3. Areas Draining to Self-Retaining Areas
DMA #01, 6,540 SF, will drain to a large existing vineyard on the valley floor (slopes less than 2%). Vineyard areas such as this can act as self-retaining areas, due to the sheet flow movement of stormwater, infiltration, and stormwater treatment that occurs naturally. The existing vineyard area where DMA #01 outfalls has an approximate area of 3,300 SF.

DMA #02, 6,810 SF, will drain to a large existing vineyard on the valley floor (slopes less than 2%). Vineyard areas such as this can act as self-retaining areas, due to the sheet flow movement of stormwater, infiltration, and stormwater treatment that occurs naturally. The existing vineyard area where DMA #02 outfalls has an approximate area of 3,500 SF.

DMA #03, 33,730 SF, will drain to a large existing vineyard on the valley floor (slopes less than 2%). Vineyard areas such as this can act as self-retaining areas, due to the sheet flow movement of stormwater, infiltration, and stormwater treatment that occurs naturally. The existing vineyard area where DMA #03 outfalls has an approximate area of 17,000 SF.
4. Areas Draining to Bioretention Facilities
Not applicable to this project.



V. Source Control Measures

A. Site Activities and Potential Sources of Pollutants

Please see Appendix A for the completed Stormwater Pollutant Sources/Source Controls Checklist.

B. Source Control Table

See below for a table summarizing the potential pollutant sources and the proposed source controls to be implemented by the project.

Table 3: Source Control Measures

Potential Source of Runoff Pollutants	Structural Source Control BMPs	Operational Source Control BMPs
D2. Landscape/ Outdoor Pesticide Use/Building and Grounds Maintenance	<p>Final landscape plans will accomplish all of the following:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Preserve existing native trees, shrubs, and ground cover to the maximum extent possible. <input checked="" type="checkbox"/> Design landscaping to minimize irrigation and runoff, to promote surface infiltration, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution. <input checked="" type="checkbox"/> Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions. <input type="checkbox"/> Consider using pest-resistant plants, especially adjacent to hardscape. <input type="checkbox"/> To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions. 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Maintain landscaping using minimum or no pesticides. <input checked="" type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-41, "Building and Grounds Maintenance," in the CASQA Stormwater Quality Handbook. <input checked="" type="checkbox"/> Provide IPM information to new owners, lessees, and operators.
G. Refuse areas	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> The project includes construction of a new trash enclosure that will have adequate space for at least two 1-yard bins (one for trash, one for recycling). <input checked="" type="checkbox"/> Post signs on or near dumpsters with the words "Do not dump hazardous materials here." 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post "no hazardous materials" signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, "Waste Handling and Disposal" in the CASQA Stormwater Quality Handbook.



<p>P. Plazas, sidewalks, and parking lots.</p>	<p><input checked="" type="checkbox"/> N/A</p>	<p><input checked="" type="checkbox"/> Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.</p>
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- C. Features, Materials, and Methods of Construction of Source Control BMPs
See Table 10, above, for a detailed description of how source control BMPs will be implemented on this project.

VI. Stormwater Facility Maintenance

A. Ownership and Responsibility for Maintenance in Perpetuity

The owner shall execute all necessary maintenance agreements as required by the County of Napa. The owner accepts responsibility for interim operation and maintenance of stormwater treatment and flow-control facilities until such time as this responsibility is formally transferred to a subsequent owner.

B. Summary of Maintenance Requirements For Each Stormwater Facility

The owner, or owner's delegated representative, shall perform the following maintenance activities a minimum of once annually, or more frequently if required by the County of Napa.

1. Clean Up - Remove soil or debris blocking bioretention facility inlets or overflows. Remove trash that typically collects near inlets or gets caught in vegetation.
2. Prune - Prune or cut back plants for health and to ensure flow into inlets and across the surface of the bioretention facility.
3. Control Weeds - Control weeds by manual methods and soil amendment. Selectively use natural herbicides if necessary.
4. Add Mulch - Add aged mulch (compost mulch) to reduce the ability of weeds to establish, keep soil moist, and replenish soil nutrients. Ensure that the top of the mulch layer is below the facility overflow.
5. Check Signage
6. Check Irrigation - Confirm irrigation is adequate but not excessive.

The owner and landscape maintenance personnel should be aware of the following:



1. Do not add fertilizer to bioretention facilities.
2. Do not use synthetic pesticides on bioretention facilities.

VII. Construction Checklist

See below for a stormwater construction checklist to ensure that the stormwater requirements outlined in this document are included in final design/construction documents.

Table 4: Construction Checklist

Page Number in Stormwater Control Plan	Structural Source Control BMPs	Plan Sheet #
7	Final landscape plans will accomplish all of the following: <input checked="" type="checkbox"/> Preserve existing native trees, shrubs, and ground cover to the maximum extent possible. <input checked="" type="checkbox"/> Design landscaping to minimize irrigation and runoff, to promote surface infiltration, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution. <input checked="" type="checkbox"/> Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions. <input checked="" type="checkbox"/> Consider using pest-resistant plants, especially adjacent to hardscape. <input checked="" type="checkbox"/> To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.	Landscaping Plans
7	<input checked="" type="checkbox"/> The project includes construction of a new trash enclosure that will have adequate space for at least two 1-yard bins (one for trash, one for recycling). <input checked="" type="checkbox"/> Post signs on or near dumpsters with the words "Do not dump hazardous materials here."	Civil Plans
8	<input checked="" type="checkbox"/> Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.	Civil Plans

VIII. Certifications and Conclusion

The preliminary design of stormwater treatment facilities and other stormwater pollution control measures in this plan are in accordance with the current edition of the BASMAA Post-Construction Manual. Specifically, this report demonstrates that the project design is in compliance with current stormwater regulations and follows the recommendations of Appendix D of the BASMAA Post-Construction Manual for a Regulated Project.



APPENDICES

APPENDIX A: SOURCE CONTROL CHECKLIST

APPENDIX B: VICINITY MAP & DRAINAGE MANAGEMENT AREAS



APPENDIX A

SOURCE CONTROL CHECKLIST

Appendix A. Stormwater Pollutant Sources/Source Controls Checklist

How to use this worksheet (also see instructions on page 3–6 of the *BASMAA Post-Construction Manual*):

1. Review Column 1 and identify which of these potential sources of stormwater pollutants apply to your site. Check each box that applies.
2. Review Column 2 and incorporate all of the corresponding applicable Structural Source Control BMPs in your Stormwater Control Plan drawings.
3. Review Columns 3 and 4 and incorporate all of the corresponding applicable Structural Source Control BMPs and Operational Source Control BMPs in a table in your Stormwater Control Plan. Use the format shown in Table 3-1 on page 3-6 of the *BASMAA Post-Construction Manual*. Describe your specific BMPs in an accompanying narrative, and explain any special conditions or situations that required omitting BMPs or substituting alternative BMPs.

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> A. On-site storm drain inlets (unauthorized non-stormwater discharges and accidental spills or leaks)	<input type="checkbox"/> Locations of inlets.	<input type="checkbox"/> Mark all inlets with the words “No Dumping! Flows to Bay” or similar.	<input type="checkbox"/> Maintain and periodically repaint or replace inlet markings. <input type="checkbox"/> Provide stormwater pollution prevention information to new site owners, lessees, or operators. <input type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-44, “Drainage System Maintenance,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks <input type="checkbox"/> Include the following in lease agreements: “Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains.”

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input checked="" type="checkbox"/> B. Interior floor drains and elevator shaft sump pumps	<input checked="" type="checkbox"/> Show drains and pump locations	<input checked="" type="checkbox"/> State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.	<input checked="" type="checkbox"/> Inspect and maintain drains to prevent blockages and overflow.
<input type="checkbox"/> C. Interior parking garages	<input type="checkbox"/> Show drain locations	<input type="checkbox"/> State that parking garage floor drains will be plumbed to the sanitary sewer.	<input type="checkbox"/> Inspect and maintain drains to prevent blockages and overflow.
<input type="checkbox"/> D1. Need for future indoor & structural pest control		<input type="checkbox"/> Note building design features that discourage entry of pests.	<input type="checkbox"/> Provide Integrated Pest Management information to owners, lessees, and operators.

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input checked="" type="checkbox"/> D2. Landscape/ Outdoor Pesticide Use/Building and Grounds Maintenance	<input checked="" type="checkbox"/> Show locations of native trees or areas of shrubs and ground cover to be undisturbed and retained. <input type="checkbox"/> Show self-retaining landscape areas, if any. <input checked="" type="checkbox"/> Show bioretention facilities. (See instructions in Chapter 4.)	<p>State that final landscape plans will accomplish all of the following.</p> <input checked="" type="checkbox"/> Preserve existing native trees, shrubs, and ground cover to the maximum extent possible. <input checked="" type="checkbox"/> Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution. <input checked="" type="checkbox"/> Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions. <input checked="" type="checkbox"/> Consider using pest-resistant plants, especially adjacent to hardscape. <input checked="" type="checkbox"/> To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.	<input type="checkbox"/> Maintain landscaping using minimum or no pesticides. <input checked="" type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-41, “Building and Grounds Maintenance,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks <input checked="" type="checkbox"/> Provide IPM information to new owners, lessees and operators.

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> E. Pools, spas, ponds, decorative fountains, and other water features.	<input type="checkbox"/> Show location of water feature and a sanitary sewer cleanout in an accessible area within 10 feet.	<input type="checkbox"/> If the local municipality requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.	<input type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-72, “Fountain and Pool Maintenance,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks The sanitary sewer operator must be notified and a clean out identified when pools are to be drained to the sanitary sewer.
<input type="checkbox"/> F. Food service	<input type="checkbox"/> For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment. <input type="checkbox"/> On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer.	<input type="checkbox"/> Describe the location and features of the designated cleaning area. <input type="checkbox"/> Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated.	State maintenance schedule for grease interceptor

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input checked="" type="checkbox"/> G. Refuse areas	<input checked="" type="checkbox"/> Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas. <input checked="" type="checkbox"/> If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent run-on and show locations of berms to prevent runoff from the area. <input checked="" type="checkbox"/> Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer.	<input checked="" type="checkbox"/> State how site refuse will be handled and provide supporting detail to what is shown on plans. <input checked="" type="checkbox"/> State that signs will be posted on or near dumpsters with the words “Do not dump hazardous materials here” or similar.	<input checked="" type="checkbox"/> State how the following will be implemented: Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post “no hazardous materials” signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, “Waste Handling and Disposal” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks
<input type="checkbox"/> H. Industrial processes.	<input type="checkbox"/> Show process area.	<input type="checkbox"/> If industrial processes are to be located on site, state: “All process activities to be performed indoors. No processes to drain to exterior or to storm drain system.”	<input type="checkbox"/> See Fact Sheet SC-10, “Non-Stormwater Discharges” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> I. Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)	<input type="checkbox"/> Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area. <input type="checkbox"/> Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults. <input type="checkbox"/> Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.	<input type="checkbox"/> Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains. <input type="checkbox"/> Where appropriate, reference documentation of compliance with the requirements of programs for: <ul style="list-style-type: none"> ▪ Hazardous Waste Generation ▪ Hazardous Materials Release Response and Inventory ▪ California Accidental Release (CalARP) ▪ Aboveground Storage Tank ▪ Uniform Fire Code Article 80 Section 103(b) & (c) 1991 ▪ Underground Storage Tank 	<input type="checkbox"/> See the Fact Sheets SC-31, “Outdoor Liquid Container Storage” and SC-33, “Outdoor Storage of Raw Materials ” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks

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1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> J. Vehicle and Equipment Cleaning	<input type="checkbox"/> Show on drawings as appropriate: (1) Commercial/industrial facilities having vehicle/ equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses. (2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shut-off to discourage such use). (3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer. (4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed.	<input type="checkbox"/> If a car wash area is not provided, describe measures taken to discourage on-site car washing and explain how these will be enforced.	Describe operational measures to implement the following (if applicable): <input type="checkbox"/> Washwater from vehicle and equipment washing operations shall not be discharged to the storm drain system. <input type="checkbox"/> Car dealerships and similar may rinse cars with water only. See Fact Sheet SC-21, “Vehicle and Equipment Cleaning,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks

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1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> K. Vehicle/Equipment Repair and Maintenance	<input type="checkbox"/> Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater. <input type="checkbox"/> Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas. <input type="checkbox"/> Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained.	<input type="checkbox"/> State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area. <input type="checkbox"/> State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements. <input type="checkbox"/> State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.	<p>In the Stormwater Control Plan, note that all of the following restrictions apply to use the site:</p> <input type="checkbox"/> No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains. <input type="checkbox"/> No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately. <input type="checkbox"/> No person shall leave unattended parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment.

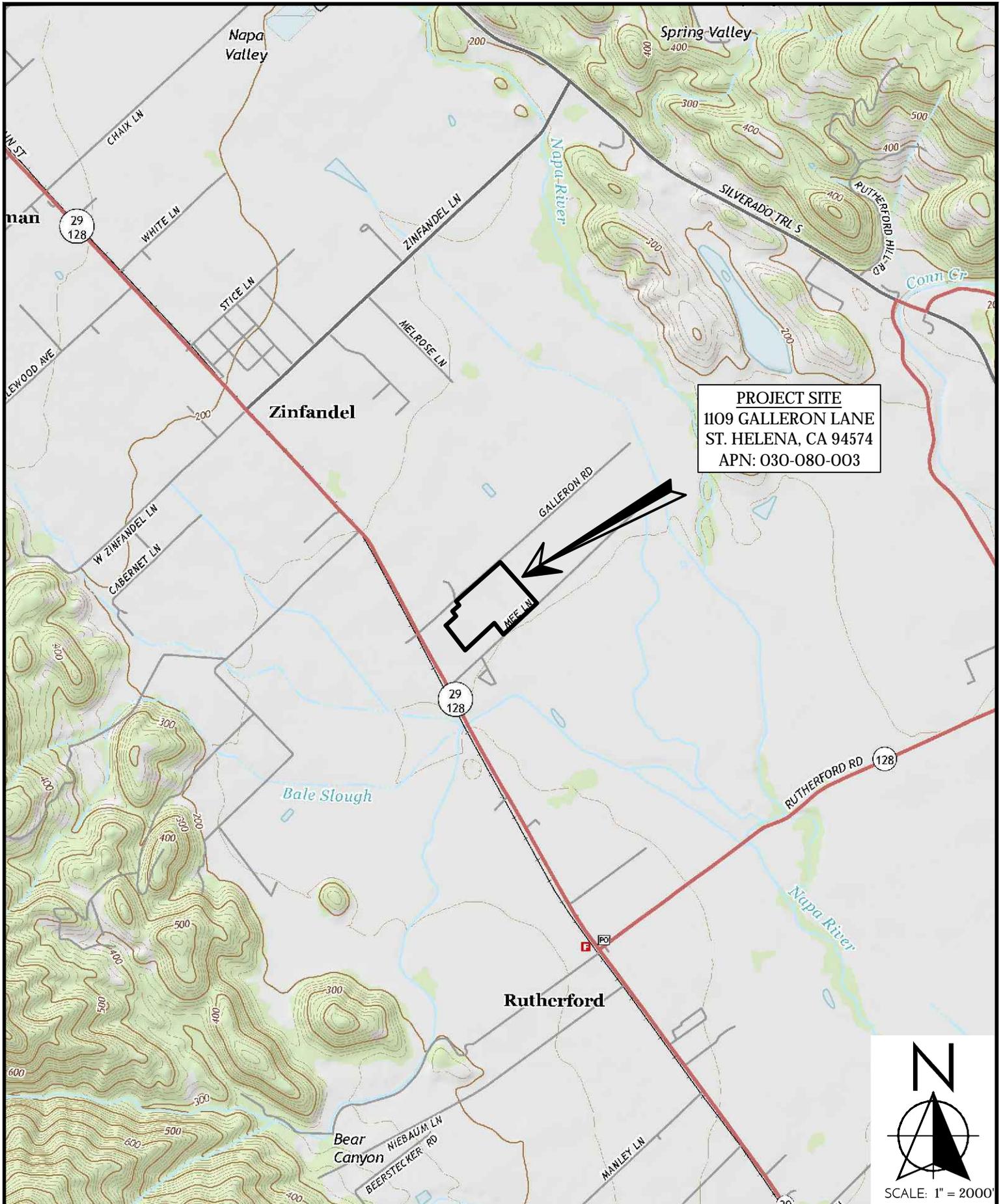
IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
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<input type="checkbox"/> L. Fuel Dispensing Areas	<input type="checkbox"/> Fueling areas shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable. <input type="checkbox"/> Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area ¹ .] The canopy [or cover] shall not drain onto the fueling area.		<input type="checkbox"/> The property owner shall dry sweep the fueling area routinely. <input type="checkbox"/> See the Business Guide Sheet, “Automotive Service—Service Stations” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks

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1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<input type="checkbox"/> M. Loading Docks	<input type="checkbox"/> Show the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas shall be drained to the sanitary sewer, or diverted and collected for ultimate discharge to the sanitary sewer. <input type="checkbox"/> Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation. <input type="checkbox"/> Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer.		<input type="checkbox"/> Move loaded and unloaded items indoors as soon as possible. <input type="checkbox"/> See Fact Sheet SC-30, “Outdoor Loading and Unloading,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks
<input checked="" type="checkbox"/> N. Fire Sprinkler Test Water		<input checked="" type="checkbox"/> Provide a means to drain fire sprinkler test water to the sanitary sewer.	<input checked="" type="checkbox"/> See the note in Fact Sheet SC-41, “Building and Grounds Maintenance,” in the CASQA Stormwater Quality Handbooks at www.casqa.org/resources/bmp-handbooks

IF THESE SOURCES WILL BE ON THE PROJECT SITE THEN YOUR STORMWATER CONTROL PLAN (SCP) SHOULD INCLUDE THESE SOURCE CONTROL BMPs		
1 Potential Sources of Runoff Pollutants	2 Structural Source Controls—Show on Stormwater Control Plan Drawings	3 Structural Source Controls—List in SCP Table and Narrative	4 Operational Source Control BMPs—Include in SCP Table and Narrative
<p>O. Miscellaneous Drain or Wash Water or Other Sources</p> <ul style="list-style-type: none"> <input type="checkbox"/> Boiler drain lines <input type="checkbox"/> Condensate drain lines <input type="checkbox"/> Rooftop equipment <input type="checkbox"/> Drainage sumps <input type="checkbox"/> Roofing, gutters, and trim. <input type="checkbox"/> Other sources 	<p>Show drain lines and drainage sumps</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system. <input type="checkbox"/> Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system. <input type="checkbox"/> Rooftop equipment with potential to produce pollutants shall be roofed and/or have secondary containment. <input type="checkbox"/> Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water. <input type="checkbox"/> Include controls for other sources as specified by local reviewer. 	<p>If architectural copper is used, implement the following BMPs for management of rinsewater during installation:</p> <ul style="list-style-type: none"> <input type="checkbox"/> If possible, purchase copper materials that have been pre-patinated at the factory. <input type="checkbox"/> If patination is done on-site, prevent rinse water from entering storm drains by discharging to landscaping or by collecting in a tank and hauling off-site. <input type="checkbox"/> Consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. <p>Implement the following BMPs during routine maintenance:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prevent rinse water from entering storm drains by discharging to landscaping or by collecting in a tank and hauling off-site.
<p><input type="checkbox"/> P. Plazas, sidewalks, and parking lots.</p>	<p>Show extent of permeable paving materials</p>		<p><input type="checkbox"/> Sweep plazas, sidewalks, and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.</p>



APPENDIX B VICINITY MAP & DRAINAGE MANAGEMENT AREAS



PROJECT SITE
 1109 GALLERON LANE
 ST. HELENA, CA 94574
 APN: 030-080-003



SCALE: 1" = 2000'

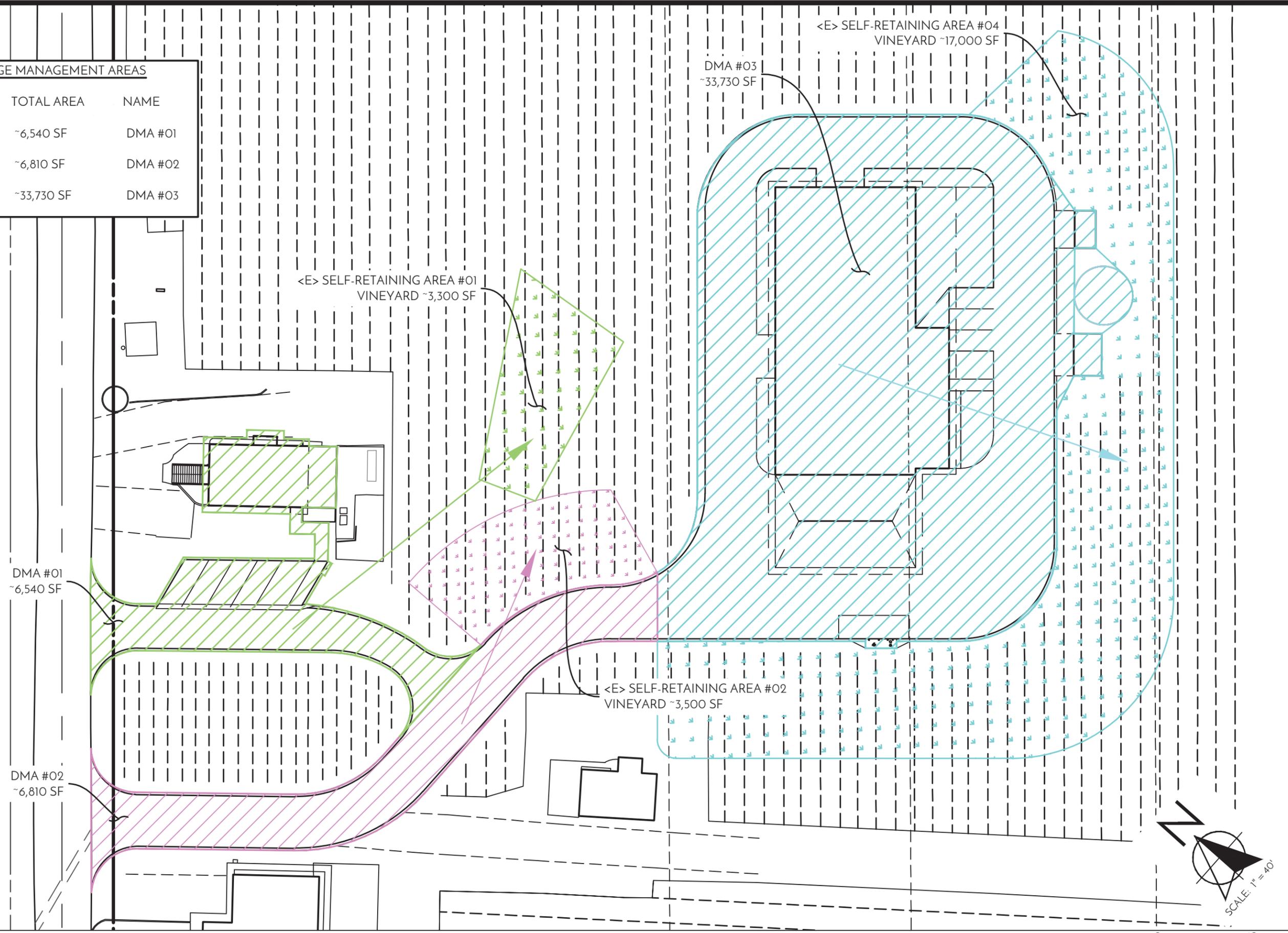
BOMMARITO WINERY VICINITY MAP



1485 MAIN ST., SUITE 302
 ST. HELENA, CA 94574
 (707) 302-6280

DATE:	03/14/2019	SHEET	1
SCALE:	1" = 2000'	OF	2
JOB #	16.014		
APN:	030-080-003		

DRAINAGE MANAGEMENT AREAS		
COLOR	TOTAL AREA	NAME
	~6,540 SF	DMA #01
	~6,810 SF	DMA #02
	~33,730 SF	DMA #03



DMA #01
~6,540 SF

DMA #02
~6,810 SF

DMA #03
~33,730 SF

<E> SELF-RETAINING AREA #01
VINEYARD ~3,300 SF

<E> SELF-RETAINING AREA #02
VINEYARD ~3,500 SF

<E> SELF-RETAINING AREA #04
VINEYARD ~17,000 SF

