



A Tradition of Stewardship
A Commitment to Service

Napa County Fire Department
Fire Marshal's Office
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Pete Muñoa
Fire Marshal

INTER-OFFICE MEMORANDUM

TO: Linda St Claire
Conservation, Development and Planning Department

FROM: Brian Hampton
Fire Department

DATE: February 5, 2013
P13-00019 APN# 020-430-007

Subject: Theorom Winery

SITE ADDRESS: 255 Petrified Forest Road

The Napa County Fire Marshal's Office has reviewed the Use Permit application to demo some existing structures; construct a 7,249 square foot fermentation and barrel storage building, construct a 713 square foot covered crush pad; construct a 2,670 square foot tasting and accessory building; construct a 1,438 square foot storage and administration building; replacement of a former poultry barn for winery use; improvements to the winery access road; upgrade existing water supply; & update electrical transmission and other utility lines. We would like to recommend the following comments be incorporated as project conditions if the Planning Commission approves the project.

- 1. All construction and use of the facility shall comply with all applicable standards, codes, regulations, and standards at the time of building permit issuance.**
2. All fire department access roads shall comply with Napa County Public Works Road and Street Standards.
3. The numerical address of the facility shall be posted on the street side of the buildings visible from both directions and shall be a minimum of 4-inches in height on a contrasting background. Numbers shall be reflective and/or illuminated.
4. All buildings over 3,600 square feet shall be equipped with an automatic fire sprinkler system conforming to NFPA 13, 2010 edition with water flow monitoring to a Central Receiving Station.

5. The required fire flow for this project is 200 gpm for a 60 minute duration at 20 psi residual pressure. A UL listed fire pump conforming to NFPA 20, 2010 edition may be required to meet or exceed the required fire flow for the project.
6. Provide 6,000 gallons of water dedicated for fire protection. Water storage for fire sprinkler systems shall be in addition to the water storage requirement for your fire flows and domestic use.
7. Provide fire department access roads to within 150 feet of any exterior portion of the buildings. Fire department access roads shall be a minimum of 20 feet in width with a 14 foot clear vertical clearance.
8. All driveways and roads shall comply with the Napa County Public Works Road and Street Standards.
9. Blue dot reflectors shall be installed 12-inches off centerline in front of all fire hydrants.
10. All fire hydrants shall be painted chrome/safety yellow.
11. Approved steamer fire hydrants shall be installed within 250 feet of any exterior portion of the building as measured along approved vehicular access roads. Private fire service mains shall be installed, tested and maintained per NFPA 24, 2010 edition.
12. Currently serviced and tagged 2A10BC fire extinguishers shall be mounted 3 1/2' to 5 feet to the top of the extinguisher within 75 feet of travel distance from any portion of the facility.
13. All exit doors shall open without the use of a key or any special knowledge or effort.
14. Install illuminated exit signs throughout the buildings and caves per the California Building Code, 2010 edition.
15. Install emergency back-up lighting throughout the buildings per the California Building Code, 2010 edition.
16. Install laminated 11" x 17" site plans and building drawings in the existing KNOX CABINET. Two Master keys to all exterior doors shall be provided in the KNOX CABINET.
17. Beneficial occupancy will not be granted until all fire department issues have been inspected, tested and finalized.
18. Provide 100 feet of defensible space around all structures.
19. Provide 10 feet of defensible space for 10 feet on both sides of driveway entrances.
20. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus in all weather conditions.

21. Fire lanes shall be painted red with white 4 inch high white letters to read "NO PARKING FIRE LANE-CVC22500.1" stenciled on the tops of the curbs every 30 feet.
22. Barricades shall be provided to protect any natural gas meter, fire hydrants, or other fire department control devices, which may be subject to vehicular damage.
23. Technical assistance in the form of a Fire Protection Engineer or Consultant acceptable, and reporting directly to the Napa County Fire Marshal's Office. The Fire protection Engineer or Consultant shall be provided by the applicant at no charge to the County for the following circumstances:
 - a. Independent peer review of alternate methods proposals.
24. Plans detailing compliance with the fire and life safety conditions of approval shall be submitted to the Napa County Fire Marshal's Office for review and approval prior to building permit issuance and/or as described above.
25. All post indicator valves and any other control valve for fire suppression systems shall be monitored off site by a Central Station or Remote receiving Station in accordance with NFPA 72, 2010 edition.
26. A complete set of building drawings and civil drawings shall be submitted to the Napa County Fire Marshal's Office for plan review and approval prior to building permit issuance.
27. All gated entrances shall be equipped with a KNOX key switch for electric gates and/or a KNOX padlock for manual gates.



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Planning, Building & Environmental Services

1195 Third Street, Suite 210
Napa, CA 94559
www.countyofnapa.org

Hillary Gitelman
Director

MEMORANDUM

To: Linda St. Claire, Project Planner	From: Kim Withrow, Senior Environmental Health Specialist <i>KW</i>
Date: May 13, 2013	Re: Theorem Winery Use Permit Modification 255 Petrified Forest Road Assessor Parcel # 020-430-007 File # P13-00019

The application requesting approval to demolish existing structures, construct new winery structures and a new process wastewater system among other items described in revised application materials received March 28 has been reviewed. This Division has no objection to approval of the application with the following conditions of approval:

1. Pursuant to Chapter 6.95 of the California Health and Safety Code, businesses that store hazardous materials above threshold planning quantities (55 gallons liquid, 200 cubic feet compressed gas, or 500 pounds of solids) shall obtain a permit and file an approved Hazardous Materials Business Plan with this Division within 30 days of said activities. If the business does not store hazardous materials above threshold planning quantities, the applicant shall submit the Business Activities Page indicating such.
2. The applicant shall file a Notice of Intent (NOI) and complete a Storm Water Pollution Prevention Plan with the State of California Water Resources Control Board's (SWRCB) Industrial Permitting program, if applicable, within 30 days of receiving a temporary or final certificate of occupancy. Additional information, including a list of regulated SIC codes, may be found at: http://www.swrcb.ca.gov/water_issues/programs/stormwater/industrial.shtml

Additionally, the applicant shall file for a storm water permit from this Division, if applicable, within 30 days of receiving a temporary or final certificate of occupancy. Certain facilities may be exempt from storm water permitting. A verification inspection will be conducted to determine if exemption applies.

3. If necessary, a permit for any work on the existing sanitary wastewater septic system, tank replacement or demolition, must be secured from this Division prior to approval of a building clearance (or issuance of a building permit) for any structure that generates wastewater to be disposed of by this system.

4. A permit for the proposed pressure distribution system must be secured from this Division prior to approval of a building clearance (or issuance of a building permit) for any structure that generates wastewater to be disposed of by this system.
5. Plans for the proposed process wastewater sewage treatment system shall be designed by a licensed Civil Engineer or Registered Environmental Health Specialist and be accompanied by complete design criteria based upon local conditions. No building clearance (or issuance of a building permit) for any structure that generates wastewater to be disposed of by this system will be approved until such plans are approved by this Division.
6. An annual monitoring permit must be obtained for the alternative sewage treatment system /private sewage disposal system prior to issuance of a final on the project. The septic system monitoring, as required by this permit, must be fully complied with.
7. The use of the absorption field/drain field area shall be restricted to activities which will not contribute to compaction of the soil with consequent reduction in soil aeration. Activities which must be avoided in the area of the septic system include equipment storage, traffic, parking, pavement, livestock, etc.
8. All solid waste shall be stored and disposed of in a manner to prevent nuisances or health threats from insects, vectors and odors.
9. During the construction, demolition, or renovation period of the project the applicant must use the franchised garbage hauler for the service area in which they are located for all wastes generated during project development, unless applicant transports their own waste. If the applicant transports their own waste, they must use the appropriate landfill or solid waste transfer station for the service area in which the project is located.
10. Adequate area must be provided for collection of recyclables. The applicant must work with the franchised garbage hauler for the service area in which they are located, in order to determine the area and the access needed for the collection site.
11. All diatomaceous earth/bentonite must be disposed of in an approved manner. If the proposed septic system is an alternative sewage treatment system the plan submitted for review and approval must address bentonite disposal.
12. Proposed food service will be catered; therefore, all food must be prepared and served by a caterer approved to conduct food service in Napa County.
13. The proposed water system to serve this project is not currently required to be regulated as a small public water system by this Division under California Code of Regulations, Title 22, or Napa County Code. Therefore, we have no comment as to its adequacy at this time. The applicant will be required to provide minimal information on the water system prior to approval of a building permit, and may wish to retain the services of a consultant in this matter.



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Hillary Gitelman
Director

MEMORANDUM

To: Linda St. Claire, Planning Division	From: Jeannette Doss, Engineering and Conservation Division <i>JD</i>
Date: October 23, 2013	Re: Theorem Winery Use Permit – Engineering CoA 255 Petrified Forest Road, Calistoga, CA P13-00019 APN 020-430-007

The Engineering Division received a referral for comment on a modification to an existing use permit for the Theorem Winery (formerly Diamond Heights Winery), generally requesting the following:

To allow a modification of an existing Use Permit for the Diamond Heights Winery (UP# P10-00400) to demolish and construct new buildings, reduce marketing plan, improve winery access road, construct a new parking lot, construct wastewater systems, upgrade landscaping, allow for onsite bottle consumption (AB 2004); and finally to recognize a change in name for the winery from Diamond Heights Winery to Theorem Winery. No other changes to permitted operations such as production are proposed as part of this application.

After careful review of the Theorem Winery Use Permit Modification submittal package the Engineering Division recommends approval of the project with the following recommended conditions:

EXISTING CONDITIONS:

1. The existing parcel is approximately 41.45 acres.
2. Existing property is currently developed with a non-operating commercial winery facility, vineyard, and a private residence.
3. Existing addition was built without permits and is currently a Violation/Code Enforcement issue with the Napa County Conservation Development and Planning Department.

RECOMMENDED CONDITIONS:

PARKING:

1. Any parking proposed by the applicant or required by the Planning Commission as a condition of this permit must conform to the requirements of the latest edition of the Napa County Road and Street Standards.

2. Structural section of all drive isles shall be calculated by a licensed Civil or Geotechnical Engineer to hold a minimum H20 loading and shall conform to the procedures contained in Chapter 600 of the State of California Department of Transportation Design Manual or approved equivalent.

NEW PRIVATE ACCESS ROADS AND DRIVEWAYS:

3. All roadway construction associated with this application shall conform to the current Road and Street Standards of Napa County at the time of permit submittal and accepted construction and inspection practices.
4. Access drives shall meet the requirements of a commercial drive and be a minimum of 18 feet wide with 2 feet of shoulder. Structural section shall be a minimum two inches of asphalt concrete surface over five inches of Class II Aggregate or equivalent. (County Road and Street Standards, Page 12, Par. 13).
5. All driveway access to the public right of way must conform to the latest edition of the Napa County Road and Street Standards (Page 65, Detail P-4). Outbound driveway widths shall be a minimum of 25 feet to accommodate turning movements of large trucks.
6. Applicant shall provide an emergency vehicle turnaround facility within 50 ft of any proposed new buildings (County Road and Street Standards, Page 35).
7. The applicant must obtain an encroachment permit prior to any work performed within the Napa County Right-of-Way.
8. The applicant must obtain an encroachment permit from the California Department of Transportation for any work performed within the State Right-of-Way.

SITE IMPROVEMENTS:

9. All on site civil improvements proposed including but not limited to the excavation, fill, general grading, drainage, curb, gutter, surface drainage, storm drainage, parking, and drive isles, shall be constructed according to plans prepared by a registered civil engineer, which will be reviewed and approved by this office prior to the commencement of any on site land preparation or construction. Plans shall be submitted with the building and/or grading permit documents at the time of permit application. A plan check fee will apply.
10. Proposed drainage for the development shall be shown on the improvement plans and shall be accomplished to avoid the diversion or concentration of storm water runoff onto adjacent properties. Plan shall also indicate the path and changes in runoff.

11. Grading and drainage improvements shall be constructed according to the latest “Napa County Road and Street Standards” and the California Building Code. Specifically, all cuts and fills slopes shall be setback to meet the latest CBC.

OTHER RECOMMENDATIONS:

12. Prior to the issuance of any grading or building permit, or the signing of improvement plans, the permittee and County shall survey and document the condition of the nearest County roads before construction begins, and then reevaluate conditions at the end of construction. Prior to Occupancy of any buildings or commencement of any use, the permittee shall be responsible for repair of any pavement degraded due to its construction vehicles.
13. Operations cannot begin until any on-site Code Enforcement issues have been remedied and the applicant has obtained the appropriate building permits from the Napa County Conservation Development and Planning Department including any and all appropriate approvals/clearances from the Napa County Public Works Department.
14. An application for a building permit to construct the proposed cover and/or alter the crush pad to exclude run-on and run-off of storm water must be submitted to the building department.
15. All roadway improvements approved and/or required pursuant to this use permit shall be completed prior to obtaining a certificate of occupancy.
16. All on-site civil improvements shall be completed prior to the commencement of any use associated with the approval of this use permit.

CONSTRUCTION STORMWATER REQUIREMENTS

17. Any Project that requires a building or grading permit shall complete a Napa County Construction Site Runoff Control Requirements Appendix A - Project Applicability Checklist and shall submit this form to the Engineering Division of the Napa County Planning, Building, and Environmental Services Department for review.
18. All earth disturbing activities shall include measures to prevent erosion, sediment, and waste materials from leaving the site and entering waterways both during and after construction in conformance with the Napa County Stormwater Ordinance 1240 and the latest adopted state regulations. Best Management Practices (BMPs) shall also be implemented to minimize dust at all times.
19. Any construction activity that equals or exceeds one acre of total disturbed area shall prepare a Stormwater Pollution Prevention Plan (SWPPP) in accordance with the regulations of California Regional Water Quality Control Board (SRWQCB) and shall file a Notice of Intent (NOI) prior to

commencement of any construction activity. The completed SWPPP shall be submitted to the Napa County Department of Public Works for review.

20. All hazardous materials stored and used on-site during construction that could cause water pollution (e.g. motor oil, cleaning chemicals, paints, concrete, etc.) shall be stored and used in a manner that will not cause pollution, with secondary containment provided. Such storage areas shall be regularly cleaned to remove litter and debris. Any spills shall be promptly cleaned up and appropriate authorities notified.
21. All trash enclosures must be covered and protected from rain, roof, and surface drainage.
22. The property owner shall inform all individuals, who will take part in the construction process, of these requirements.

POST-CONSTRUCTION RUNOFF MANAGEMENT REQUIREMENTS

23. Project must conform and incorporate all appropriate Site Design, Source Control and Treatment Control Best Management Practices as required by the Napa County manual for *Post-Construction Runoff Management Requirements* which is available at the Planning, Building, and Environmental Services Department.
24. Post-development runoff volume shall not exceed pre-development runoff volume for the 2-year, 24-hour storm event. Post-development runoff volume shall be determined by the same method used to determine pre-development conditions. If post-development runoff volume exceeds pre-development runoff volume after the site design BMPs are incorporated into the project's overall design, a structural BMP (e.g. bio-retention unit) may be used to capture and infiltrate the excess volume.
25. Parking lots and other impervious areas shall be designed to drain through grassy swales, buffer strips, sand filters or other sediment control methods which will be approved by this Department. If any discharge of concentrated surface waters is proposed into any "Waters of the State," the permittee shall consult with and secure any necessary permits from the State Regional Water Quality Control Board prior to the issuance of applicable construction permits.
26. In design of retention facilities, the maximum percolation rate shall be two inches per hour.
27. For on-site common retention basins, the side slopes shall not exceed 3:1.
28. Provide concrete stamping, or equivalent, of all stormwater conveyance system inlets and catch basins within the project area with prohibitive language (e.g., "No Dumping – Drains to Napa River"). Signage shall identify the receiving water the drain discharges to and include a message in Spanish.

29. Trash storage areas shall be paved with an impervious surface, designed not to allow run-on from adjoining areas, and screened or walled to prevent off-site transport of trash. Trash storage areas must contain a roof or awning to minimize direct precipitation or contain attached lids on all trash containers that exclude rain.
30. Prior to final occupancy the property owner must legally record an *“implementation and maintenance agreement”* approved by the Planning, Building, and Environmental Services Department to ensure all post-construction structures on the property remain functional and operational for the indefinite duration of the project.
31. Each year the entity responsible for maintenance is required to complete an annual report. The report shall be signed by the property owner and include copies of completed inspection and maintenance checklists to document that maintenance activities were conducted during the previous year. The annual report shall be retained for a period of at least five years and made available upon request by the County.

Any changes in use may necessitate additional conditions for approval.

If you have any questions regarding the above items please contact Jeannette Doss at 253-4417.

