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Very Minor Modification Application Packet, Site Plan, & Wastewater System Monitoring Reports

NAPA COUNTY

Planning, Building and Environmental Services



A Tradition of Stewardship

A Commitment to Service

VERY MINOR MODIFICATION APPLICATION NON-RESIDENTIAL & RESIDENTIAL USES



A Tradition of Stewardship A Commitment to Service

Planning, Building, & Environmental Services

1195 Third Street, Suite 210 Napa, CA 94559 Main: (707) 253-4417

Fax: (707) 253-4336

PLANNING APPLICATION FORM

Applicant Information

| Applicant Contact | | Property Owner Contact | | | |
|--|--|---------------------------------------|--|--|--|
| Name: Restaurant 209 | | Name: R & R LAND, LLC | | | |
| Mailing Address: 2416 E. 37th Street | | | | | |
| City: Wichita State: KS | Zip: 67219 City: Wichita | State: KS Zip: 67219 | | | |
| Phone: (316) 847-4821 | Phone: (316) 847-4821 | | | | |
| E-Mail Address: justin.williams@pressnapava | lley.com E-Mail Address: Guy.Byrne(| @Irico.com | | | |
| Agent Contact | Other Representa | ative Contact | | | |
| Name: Jeff Dodd Coblentz Patch Duffy & B | ass LLP 🔲 E | ngineer 🗆 Architect 🗆 Agent | | | |
| Mailing Address: 700 Main Street, Suite 301 | Name: | | | | |
| City: Napa State: CA | Zip: 94559 Mailing Address: | | | | |
| Phone: (707) 603-2722 | City: | State: Zip: | | | |
| E-Mail Address: jdodd@coblentzlaw.com | Phone: | | | | |
| | E-Mail Address: | | | | |
| Assessor's Parcel Number(s): 027-150-001 Size of site (acreage and/or square footage): 1 General Plan Designation: Agricultural Resourd Application Type1 | | | | | |
| Administrative | Planning Commission/ALUC/BOS | Zoning Administrator | | | |
| Erosion Control Plan: | Major Modification: | ☐ Certificate of Legal Non Conformity | | | |
| □ Track I □Track II | ☐ Winery ☐ Other | ☐ Other Minor Modification | | | |
| ☐ Admin Viewshed | Use Permit: ☐ Winery ☐ Other | ☐ Road Exception | | | |
| ☐ Fence Entry Structure Permit | | ☐ Small Winery Exemption | | | |
| ☐ Land Division/Mergers | ☐ Viewshed | ☐ Winery Minor Modification | | | |
| ☐ Site Plan Approval/Modification | ☐ AG Preserve Contract ☐ Development Agreement | ☐ Variance | | | |
| ☐ Winery Administrative Permit | ☐ Airport Land Use Consistency Determination | ☐ Viewshed | | | |
| ☐ Other Very Minor Modification | ☐ General, Specific or Airport Land Use Plan | □ Other: | | | |
| □ Addressing | Amendment | Misc. Services | | | |
| □ Signs | □ Variance | ☐ Use Determination | | | |
| Temporary Event: ☐ 51-400 ☐ 401+ | ☐ Zoning Map/Text Amendment | ☐ Status Determination | | | |
| ☐ Late Application Submittal | ☐ Road Exception | □ Other: | | | |
| ☐ Application Entitled to Fee Waiver | ☐ Con. Reg. Exception | | | | |
| □ Other: | □ Other: | | | | |

^{1:} Include corresponding submittal requirements for each application type.

Detailed Project Description (required): A typed, detailed project description is required that describes the proposed development or use(s); the existing site conditions/uses; the number, size, type and nature of any proposed residential dwelling units or total amount of new non-residential square-footage by type of use. Please refer to specific Supplemental Application submittal handouts for details to describe the project and required special studies.

Conditions of Application

DocuSigned by:

- 1. All materials (plans, studies, documents, etc.) and representations submitted in conjunction with this form shall be considered a part of this application and publicly available for review and use, including reproduction.
- 2. The owner shall inform the Planning Division in writing of any changes.
- 3. Agent authorization: The property owner authorizes the listed agent(s) and/or other representative(s) to appear before staff, the Director, the Zoning Administrator, and Planning Commission to represent the owner's interests and to file applications, plans and other information on the owner's behalf.
- 4. Certification and Indemnification Form: Refer to attached form for notifications and required signature.
- 5. Fees: The applicant agrees to pay the County any and all processing fees imposed by the Board of Supervisor's current Fee Resolution including the establishment of an hourly fee application agreement and initial deposit. Applicant understands that fees include, but not limited to: Planning, Engineering, Public Works, and County Counsel staff time billed at an hourly rate; required Consultant service billed rates; production or reproduction of materials and exhibits; public notice advertisements; and postage. In the event the property owner is different than the applicant, the property owner must sign to indicate consent to the filing and agreement to pay fees in the event of the applicant's failure to pay said fees. Failure to pay all accumulated fees by the time of public hearing will result in a continuance.
- 6. This form, together with the corresponding application forms for specific permits, will become the Permit Document.

I have read and agree with all of the above. The above information and attached documents are true and correct to the best of my knowledge. All property owners holding a title interest must sign the application form. If there are more than two property owners, list their names, mailing addresses, phone numbers and signatures on a separate sheet of paper.

If you wish notice of meetings/correspondence to be sent to parties other than those listed on Page 1, please list them on a separate piece of paper.

| | Guy Byrne | 10/15/2025 | |
|-----|---|---|--|
| Pro | perty Owner's Signatu | re and Date | Property Owner's Signature and Date |
| I a | | owered to act as an agent on be the foregoing is true and correc | chalf of the owner of record on all matters relating to this tt and accept that false or inaccurate owner authorization may |
| Api | – Docusigned by: Justin Williams B30454FA6EF4498 Dlicant's Signature and | 10/15/2025 Date | |
| | | | |

| | Application Fees | | |
|----------------|------------------|----|--|
| Date Received: | Deposit Amount | \$ | |
| Received by: | Flat Fee Due | \$ | |
| Receipt No | Total | \$ | |
| File No | Check No | | |

Certification and Indemnification

Applicant certifies that all the information contained in this application, including all information required in the Checklist of Required Application Materials and any supplemental submitted information including, but not limited to, the information sheet, water supply/waste disposal information sheet, site plan, floor plan, building elevations, water supply/waste disposal system site plan and toxic materials list, is complete and accurate to the best of his/her knowledge. Applicant and property owner hereby authorize such investigations including access to County Assessor's Records as are deemed necessary by the County Planning Division for preparation of reports related to this application, *including the right of access to the property involved*.

Pursuant to Chapter 1.30 of the Napa County Code, as part of the application for a discretionary land use project approval for the project identified below, Applicant agrees to defend, indemnify, release and hold harmless Napa County, its agents, officers, attorneys, employees, departments, boards and commissions (hereafter collectively "County") from any claim, action or proceeding (hereafter collectively "proceeding") brought against County, the purpose of which is to attack, set aside, void or annul the discretionary project approval of the County, or an action relating to this project required by any such proceeding to be taken to comply with the California Environmental Quality Act by County, or both. This indemnification shall include, but not be limited to damages awarded against the County, if any, and cost of suit, attorneys' fees, and other liabilities and expenses incurred in connection with such proceeding that relate to this discretionary approval or an action related to this project taken to comply with CEQA whether incurred by the Applicant, the County, and/or the parties initiating or bringing such proceeding. Applicant further agrees to indemnify the County for all of County's costs, attorneys' fees, and damages, which the County incurs in enforcing this indemnification agreement.

Applicant further agrees, as a condition of project approval, to defend, indemnify and hold harmless the County for all costs incurred in additional investigation of or study of, or for supplementing, redrafting, revising, or amending any document (such as an EIR, negative declaration, specific plan, or general plan amendment) if made necessary by said proceeding and if the Applicant desires to pursue securing approvals which are conditioned on the approval of such documents.

In the event any such proceeding is brought, County shall promptly notify the Applicant of the proceeding, and County shall cooperate fully in the defense. If County fails to promptly notify the Applicant of the proceeding, or if County fails to cooperate fully in the defense, the Applicant shall not thereafter be responsible to defend, indemnify, or hold harmless the County. The County shall retain the right to participate in the defense of the proceeding if it bears its own attorneys' fees and costs, and defends the action in good faith. The Applicant shall not be required to pay or perform any settlement unless the settlement is approved by the Applicant.

| Guy Byrne, R & R Land LLC | | Justin Williams, Restaurant 209 | | | | |
|------------------------------|------------|--|------------|--|--|--|
| Print Name of Property Owner | | Print Name Signature of Applicant (if different) | | | | |
| DocuSigned by: | | DocuSigned by: | | | | |
| Guy Byrne | 10/15/2025 | Justin Williams | 10/15/2025 | | | |
| 6642C5C6C9C14F5 | | B30454FA6FF4498 | | | | |
| Signature of Property Owner | Date | Signature of Applicant | Date | | | |

Coblentz Patch Duffy & Bass LLP One Montgomery Street, Suite 3000 San Francisco, CA 94104 415 391 4800

700 Main Street, Suite 301 Napa, CA 94559 707 603 2722

coblentzlaw.com

Jeff Dodd D (415) 772-5724 jdodd@coblentzlaw.com

October 15, 2025

Submitted electronically via County cloud fileshare

Brian D. Bordona
Director of Napa County Planning, Building &
Environmental Services
1195 Third Street, Suite 210
Napa, CA 94559

Re: Application for a Very Minor Modification to Use Permit P24-00072;

607 St. Helena Highway, St. Helena; APN 027-150-001-000

Dear Director Bordona:

Enclosed is a development permit application for a very minor modification to the above-referenced use permit (the "Use Permit") for museum and market uses, which the Planning Commission approved on October 2, 2024. Napa Valley Museum (NVM) and Under-Study operates the museum and market uses, respectively. This application seeks to clarify that condition of approval (COA) 4.12(c) allows for seating as of October 3, 2025 while preserving all rights to operate with seating today consistent with staff's original interpretation of the COA.

As raised at the Planning Commission hearing, the site has no foot traffic and previous market retail operations have failed. Providing seating for customers is essential to Under-Study's business and desire to create a community gathering space; it also has a direct impact on NVM's operations and success at this new location. Unfortunately, since opening in May of this year, the empty outdoor space has deterred potential customers, creating significant challenges to the long-term viability of the market.

This application seeks to change COA no. 4.12(c) as follows:

No Marketplace seating is authorized under this use permit. However, if the project's wastewater generation is at or less than 800 gallons per day on an average daily basis for the first twelve (12) months of joint operation (reflecting a decrease in flows captured in the project's wastewater feasibility study), The Marketplace may have outdoor seating on the patio subject to the Operations & Maintenance Plan for the wastewater system.

Basis for Very Minor Modification

At the 2024 Use Permit hearing, the Planning Commission unanimously supported outdoor seating based on the monitoring and reporting requirements that the applicant incorporated into



October 15, 2025 Page 2

the project. After direction from staff, the Planning Commission and the applicant agreed to evaluate wastewater flows for a certain period that would have to include months during the "high season of visitation" to confirm that the operations allowed under the Use Permit, including future seating, would not impact the wastewater system. Based on the transcripts, the Planning Commission sought to monitor wastewater for a 12-month period from the date of the October 2, 2024 hearing in order to capture flows during months in the "high season of visitation."

Following the hearing, Planning staff and Deputy County Counsel verbally confirmed this intent immediately after the meeting. In addition, an October 8, 2024 email from County Planner II Andrew Amelung explained:

"Both [Senior Planner] Trevor [Hawkes] and I understood the recommendation to adopt the condition as amended with 12 months of monitoring to capture the peak season, which can be interpreted as 12 months from the October 2, 2024 approval date." (Emphasis added.)

Staff's subsequent interpretation of Condition 4.12(c)—tying the 12-month monitoring period to the issuance of certificates of occupancy—does not reflect that understanding, the Commission's discussion, or staff's original interpretation conveyed immediately after the hearing. The Commission's direction was simply to ensure that monitoring included the period of highest visitation, not to delay implementation of the approved seating or to extend monitoring into months of low activity after the peak season had already been captured.

The applicants reasonably relied on staff's contemporaneous interpretation of the condition. Had staff suggested that COA 4.12(c) would instead require 12 months of monitoring from a certificate of occupancy, the applicants would have either appealed the condition or requested clarification from the Planning Commission before the approval became final. Requiring the applicants at this stage to submit a new modification application and undergo another public hearing process to correct language that does not reflect the Commission's intent or staff's original interpretation at the time of approval is unfair.

The applicants have continued to monitor and document wastewater flows in coordination with the Environmental Health Division. The results of that ongoing monitoring confirm that the system is functioning properly and well within design parameters.

Copies of the monthly reports and daily monitoring logs are on file with the County. As provided therein, the operators have stayed below the 800 gpd monthly average during the peak season (e.g., 323 gpd in July, 598 gpd in August, and 476 gpd in September). The system has functioned without issue, and no field oversaturation or operational failures have occurred, which the wastewater system operator confirmed to the Environmental Health Division earlier this month.



October 15, 2025 Page 3

These averages are well below the daily averages for the 5 years' worth of septic monitoring reports analyzed in the Use Permit's 2024 Wastewater Report:

Existing monitoring reports, from 6/13/19 to 12/13/23 show average daily flows for the past five years ranging from 312 gpd to 909 gpd. To understand the use of the system three separate average daily flows were evaluated and summarized below:

Average daily flow for the past year = 899.22 gpd

Average daily flow for the past two years = 776.40 gpd

Average daily flow for the past five years = 632.14 gpd

The peak daily flow of 909.76 gpd was recorded for the period ending on 12/15/2021 which included participation in the Premier Napa Valley Wine Week events. The average daily flow for the past 5 years is 632 gpd. Both values are below the system design flow of 1,000 gpd.

NorCal Civil Engineering, Wastewater Feasibility Study for Napa Valley Museum (Aug. 8, 2025), p. 6, enclosed for reference.

As already discussed during our October 14th meeting with the County, applicant will continue to work with the Environmental Health Division to update to the existing Operations and Maintenance Plan as necessary.

Seating Does Not Equate to Wastewater System Failure

From 2020 to 2023, Gary's Wine Warehouse legally operated with approximately 50 seats during the pandemic under Resolution No. 2020-72 adopted by the Board of Supervisors on May 19, 2020 in response to the COVID-19 pandemic. Under-Study proposes to operate with fewer (approx. 40) seats, and the system is already sized and conditioned to manage variability. Seating has been unfairly equated with risk, when past system issues were due to infrastructure failures (e.g., faulty ice machine), not people sitting in chairs.

The Planning Commission fully supported the outdoor seating component of the project during its October 2, 2024 hearing, and further recognized it as a critical component of the joint operation. Providing a space for market customers to sit down and drink coffee or have a bite to eat is a critical component of being a local gathering place and a sustainable business operations on a site where multiple retail operations have failed. As it stands today, the patio presents as an empty, lifeless space, reinforcing the perception that the market is closed and discouraging both local and visitor engagement.



October 15, 2025 Page 4

We appreciate your prompt attention to this request, which is a simple clarifying change to a single condition. And, as noted above, this application does not waive the applicant's rights to proceed under staff's initial 2024 interpretation of COA 4.12(c).

Very truly yours,

Jeff Dodd

JTD:emn

Cc: Justin Williams

Laura Rafaty Guy Byrne

Enclosure: Wastewater Feasibility Study



One Montgomery Street, Suite 3000 San Francisco, CA 94104 415 391 4800

700 Main Street, Suite 301 Napa, CA 94559 707 603 2722

coblentzlaw.com

Jeff Dodd D (415) 772-5724 jdodd@coblentzlaw.com

November 24, 2025

Submitted electronically via County cloud fileshare

Charlene Gallina, Supervising Planner Napa County Planning, Building & Environmental Services 1195 Third Street, Suite 210 Napa, CA 94559

Re: P25-00278; Marketplace Seating Application

607 S St Helena Hwy, St Helena; APN 027-150-001-000

Dear Charlene:

Thank you for your and your colleagues' efforts to bring this project to the Planning Commission next month on December 17. We recognize the amount of work that needs to happen in order to get the project to Planning Commission hearing so we are grateful for your time and attention to the request.

Enclosed is a floor plan for Understudy's marketplace operations which depicts the approximate seating arrangement. The seating arrangement will be 12 seats indoors and 20 seats outdoors, for a total of 32 seats.

The applicant is ready to proceed along the alternative, second pathway outlined by Environmental Health (EH). We have contacted Kim Withrow at EH to review the details of the requested commissary agreement and operating procedures for warewashing and associated cleanup, storing of soiled utensils, and food preparation, as well as other details that EH must approve in order for seating to be effective (under an assumption that the Planning Commission approves the project).

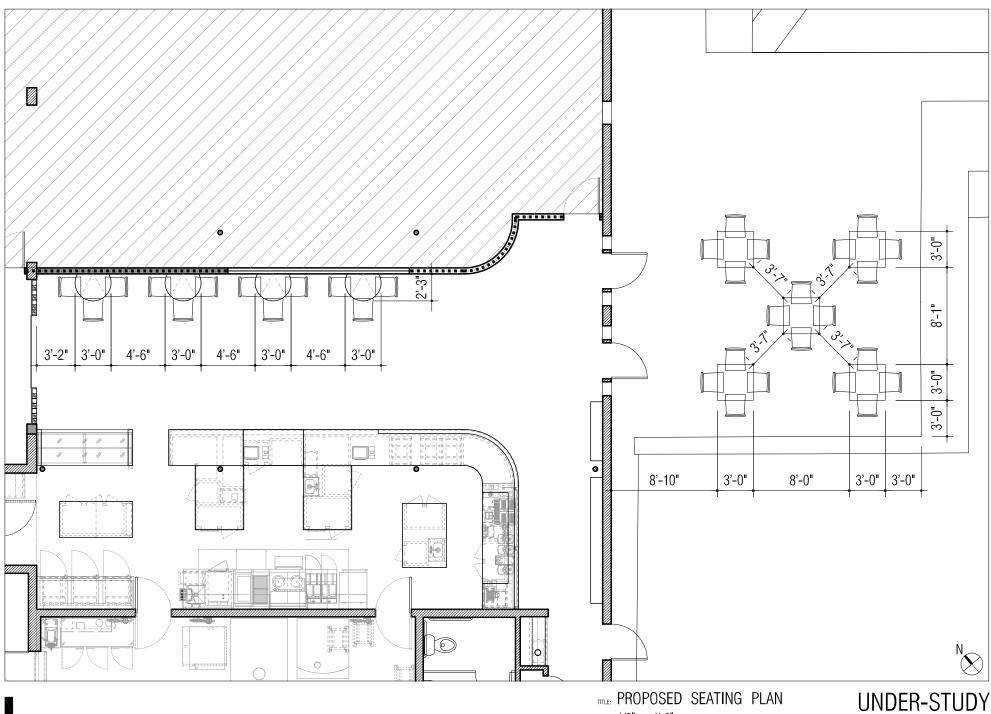
Thank you again for your time and attention to this request.

Very truly yours,

Jeff Dodd

Enclosures (Floor Plan/Proposed Seating Plan)

cc: Justin Williams



STUDIO TERPELUK

TITLE: PROPOSED SEATING PLAN

SCALE: 1/8" = 1'-0"

DATE: 11.20.2025

December 1, 2025



Press Restaurant & Under-Study

587 St. Helena Hwy St. Helena, CA 94574

Attn: Justin Williams

Justin.williams@pressnapavalley.com

Flow Monitoring Report - November 2025

607 St Helena Hwy, St. Helena, CA 94574

APN: 027-150-001

Dear Justin,

Please find the attached monthly septic flow monitoring report for November 2025.

The average septic flow for the month is 513 gal/day with a peak daily flow of 794 gal/day.

If you have any questions, please let me know.

Warm regards,

Ben Monroe PRINCIPAL

PO BOX 12155, SANTA ROSA, CA 95406

| | Report 12/1/2025 | | |
|---|--------------------|-------------|------------------|
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| 11/5/2025 1 1942098 131693 308 1983625 122119 460 768 11/6/2025 1 1942207 131702 100 1984023 122144 373 473 11/7/2025 1 1942387 131720 162 1984198 122154 165 327 11/8/2025 1 1942407 131732 8 1984333 122164 125 133 11/9/2025 1 1942470 131747 48 1984623 122176 278 326 11/10/2025 1 1942553 131755 75 1984767 122197 123 1988 11/10/2025 1 1942553 131755 75 1984767 122197 123 1988 11/11/2025 1 1942834 131805 161 1985267 122220 286 356 11/12/2025 1 1942974 131825 120 1985076 122220 286 356 11/13/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 194358 131894 178 1986342 122376 112 401 11/17/2025 1 1943987 131919 289 1986506 122376 112 401 11/11/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 194426 131975 248 198708 122488 195 443 11/19/2025 1 194426 131975 248 198708 122488 195 443 11/19/2025 1 194426 131900 117 1987261 122517 154 271 11/20/2025 1 1944891 132089 198 198708 122608 313 511 11/21/2025 1 1945102 132108 192 1988499 122635 503 695 11/24/2025 1 1945618 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 198389 122775 546 761 11/26/2025 1 1945624 132034 160 1990780 12293 284.5 445 11/26/2025 1 1946823 132349 354 1990153 12289 432 786 11/28/2025 1 1946823 132349 354 1990153 12289 432 786 11/29/2025 1 1946823 132349 354 1990150 122993 432 786 11/29/2025 1 1946823 132349 354 1990150 122993 432 786 11/29/2025 1 1946823 132349 354 1990150 122993 432 786 | | | | 131678 | 136 | 1983115 | 122069 | 648 | |
| 11/17/2025 1 1942207 131702 100 1984023 122144 373 473 473 11/17/2025 1 1942387 131702 162 1984198 122154 165 327 11/18/2025 1 1942407 131732 8 1984333 122164 125 133 11/19/2025 1 1942470 131747 48 1984623 122176 278 326 11/10/2025 1 1942553 131755 75 1984767 122197 123 198 11/11/2025 1 1942653 131785 70 1985076 122200 286 356 11/11/2025 1 194284 131805 161 1985267 122239 172 333 11/13/2025 1 1942974 131825 120 1985676 122200 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986200 122425 265 465 11/18/2025 1 194428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122563 304 490 11/21/2025 1 1944881 132089 198 1987078 122488 195 443 11/21/2025 1 1944891 132089 198 1987699 12608 313 511 11/21/2025 1 1945618 132145 215 1988499 122635 503 695 11/23/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132159 143 1990153 12285 309 452 11/25/2025 1 1945618 132245 215 1983899 122775 546 761 11/25/2025 1 1945618 132145 215 1983899 122775 546 761 11/25/2025 1 1945618 132159 143 1990153 122885 309 452 11/25/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 | | <u> </u> | 1942098 | 131693 | 308 | 1983625 | 122119 | 460 | |
| 11/7/2025 1 1942387 131720 162 1984198 122154 165 327 11/8/2025 1 1942470 131732 8 1984333 122164 125 133 11/9/2025 1 1942470 131737 48 1984623 122176 278 326 11/10/2025 1 1942553 131755 75 1984767 122197 123 198 11/11/2025 1 1942653 131785 70 1985076 122220 286 336 11/11/2025 1 1942834 131805 161 1985267 122239 172 333 11/13/2025 1 1942974 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122376 112 401 11/11/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1944891 132089 198 1987969 122608 313 511 11/23/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 194584 132197 184 198793 12265 204 468 11/24/2025 1 194588 132140 264 1988733 12265 204 468 11/24/2025 1 194588 132140 264 1988733 12265 204 468 11/24/2025 1 194588 132197 184 1989791 122882 345 529 11/25/2025 1 194584 132197 184 1989791 122882 345 529 11/26/2025 1 194624 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/29/2025 1 1948823 13249 354 1991261 122992 432 786 | | | 1942207 | 131702 | 100 | 1984023 | 122144 | 373 | |
| 11/9/2025 1 1942407 131732 8 1984333 122164 125 133 11/9/2025 1 1942470 131747 48 1984623 122176 278 326 11/10/2025 1 1942553 131755 75 1984767 122197 123 198 11/11/2025 1 1942633 131785 70 1985076 122220 286 356 11/12/2025 1 1942834 131805 161 1985267 12239 172 333 11/13/2025 1 1942974 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 194358 131894 178 1986342 12234 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 12245 265 465 11/18/2025 1 194426 131975 248 1987078 122488 195 443 11/19/2025 1 194428 132010 117 1987261 122517 154 271 11/20/2025 1 1944891 132089 198 1987969 122608 313 511 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 12635 503 695 11/23/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 198791 12282 345 529 11/25/2025 1 1945854 132197 184 198791 12282 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/26/2025 1 1946059 132249 354 1991261 12292 432 786 11/29/2025 1 1946024 132304 160 1990780 122943 284.5 445 11/29/2025 1 194624 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946029 132249 354 1991261 122992 432 786 | | 1 | 1942387 | 131720 | 162 | 1984198 | 122154 | 165 | |
| 11/9/2025 1 1942470 131/47 48 1984623 122176 278 326 11/10/2025 1 1942553 131755 75 1984767 122197 123 198 11/11/2025 1 1942653 131785 70 1985076 122220 286 356 11/12/2025 1 1942834 131805 161 1985267 122239 172 333 11/13/2025 1 1942974 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943458 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 12245 265 465 <t< td=""><td></td><td></td><td>1942407</td><td>131732</td><td>8</td><td>1984333</td><td>122164</td><td>125</td><td></td></t<> | | | 1942407 | 131732 | 8 | 1984333 | 122164 | 125 | |
| 11/11/2025 1 1942553 131755 75 1984767 122197 123 198 11/11/2025 1 1942653 131785 70 1985076 122220 286 356 11/12/2025 1 1942834 131805 161 1985267 122239 172 333 11/13/2025 1 1942974 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/12/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945618 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/26/2025 1 1945618 132145 215 1989389 122775 546 761 11/26/2025 1 1945618 132149 264 1988733 122885 309 452 11/26/2025 1 1945629 132259 143 1980153 122885 309 452 11/26/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132304 160 1990780 122902 432 786 | | 1 | 1942470 | 131747 | 48 | 1984623 | 122176 | 278 | |
| 11/11/2025 1 1942653 131785 70 1985076 122220 286 356 11/12/2025 1 1942834 131805 161 1985267 122239 172 333 11/13/2025 1 194274 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 12234 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 1112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 12248 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944635 132081 186 1987593 122608 313 511 11/22/2025 1 19445102 132108 192 1988499 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 194598 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13244 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13249 354 1991161 122992 432 786 11/29/2025 1 1946823 13244 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13244 13204 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13241 13241 13240 160 1900780 122943 284.5 445 11/29/2025 1 1946823 | | | 1942553 | 131755 | 75 | 1984767 | 122197 | 123 | ······································ |
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| 11/13/2025 1 194274 131825 120 1985676 122260 388 508 11/14/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 194428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 | | 1 | 1942834 | 131805 | 161 | 1985267 | 122239 | 172 | |
| 11/4/2025 1 1943251 131865 237 1986039 122290 333 570 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 194428 132010 117 1987261 122517 154 271 11/20/2025 1 1944363 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/21/2025 1 1945102 132108 192 1988499 122635 503 695 | | 1 | 1942974 | 131825 | 120 | 1985676 | 122260 | 388 | |
| 11/15/2025 1 1943458 131894 178 1986342 122324 269 447 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 | | 1 | 1943251 | 131865 | 237 | 1986039 | 122290 | | |
| 11/16/2025 1 1943772 131919 289 1986506 122376 112 401 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 198499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1946854 132197 184 1989791 12283 | | 1 | 1943458 | 131894 | 178 | 1986342 | 122324 | | |
| 11/17/2025 1 1943987 131934 200 1986820 122425 265 465 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945618 132197 184 198791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 12285 | | 1 | 1943772 | 131919 | 289 | 1986506 | 122376 | | |
| 11/18/2025 1 1944276 131975 248 1987078 122488 195 443 11/19/2025 1 1944428 132010 117 1987261 122517 154 271 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 198791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A | | 1 | 1943987 | 131934 | 200 | 1986820 | 122425 | | ······ |
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| 11/20/2025 1 1944635 132031 186 1987593 122545 304 490 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 13249 354 1991261 122992 | | 1 | 1944428 | 132010 | 117 | 1987261 | 122517 | | |
| 11/21/2025 1 1944891 132089 198 1987969 122608 313 511 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1947126 132412 340 1004932 1004932 432 786 | | | 1944635 | 132031 | 186 | 1987593 | 122545 | | |
| 11/22/2025 1 1945102 132108 192 1988499 122635 503 695 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132413 240 1001803 1001803 1001803 1001803 1001803 1001803 1001803 1001803 1001803 1001803 1001803 | | 1 | 1944891 | 132089 | 198 | 1987969 | 122608 | | |
| 11/23/2025 1 1945398 132140 264 1988733 122665 204 468 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132412 340 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 1004033 10040433 1004033 10040433 10040433 | | 1 | 1945102 | 132108 | 192 | 1988499 | 122635 | 503 | |
| 11/24/2025 1 1945618 132145 215 1989389 122775 546 761 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132412 240 1001033 1001033 1001033 | | 1 | 1945398 | 132140 | 264 | 1988733 | 122665 | 204 | |
| 11/25/2025 1 1945854 132197 184 1989791 122832 345 529 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A N/A N/A N/A N/A N/A N/A 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132413 340 1001833 1001833 1001833 | | 1 | 1945618 | 132145 | 215 | 1989389 | 122775 | 546 | |
| 11/26/2025 1 1946059 132259 143 1990153 122885 309 452 11/27/2025 CLOSED N/A | | 1 | 1945854 | 132197 | 184 | 1989791 | 122832 | | |
| 11/27/2025 CLOSED N/A < | | | 1946059 | 132259 | 143 | 1990153 | 122885 | | |
| 11/28/2025 2 1946424 132304 160 1990780 122943 284.5 445 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132412 340 1001033 1001033 1001033 | | | N/A | N/A | N/A | N/A | N/A | | |
| 11/29/2025 1 1946823 132349 354 1991261 122992 432 786 11/30/2025 1 1947126 132412 240 1001033 1001033 1001033 | | 2 | 1946424 | 132304 | 160 | 1990780 | 122943 | | |
| 11/30/2025 1 1947126 132412 240 1001022 1001022 | | 1 | 1946823 | 132349 | 354 | 1991261 | 122992 | | |
| | 11/30/2025 | 1 | 1947126 | 132412 | 240 | 1991823 | 123062 | 492 | 732 |

Avg Daily Flow

513

November 3, 2025



Press Restaurant & Under-Study 587 St. Helena Hwy St. Helena, CA 94574 Attn: Justin Williams Justin.williams@pressnapavalley.com

Flow Monitoring Report – October 2025 607 St Helena Hwy, St. Helena, CA 94574 APN: 027-150-001

Dear Justin,

Please find the attached monthly septic flow monitoring report for October 2025.

The average septic flow for the month is 534 gal/day with a peak daily flow of 785 gal/day.

If you have any questions, please let me know.

Warm regards,

Ben Monroe PRINCIPAL

| | | | | | | · | | • |
|------------|---------|-----------------|-----------------|-----------------------------|------------------------------|-----------------------|-----------------------------|------------------------------|
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| | | | | | | | | |
| | | | | | | FLOW METER | | TOTAL DRIP FIELD |
| | D 4 1/6 | ZONE 1 FLOW | ZONE 1 FLOW | המום בובו ה #1 | FLOW METER | READING - | המוס בובו ה אם | DAILY FLOW |
| | DAYS | METER READING - | METER READING - | DRIP FIELD #1 DAILY FLOW | READING - SUPPLY | RETURN LINE#2 | DRIP FIELD #2 DAILY FLOW | (DRIPFIELD #1 + |
| DATE | BETWEEN | SUPPLY LINE#1 | RETURN LINE#1 | | LINE#2 (SLFM#2) ² | (RLFM#2) ² | (GALLONS/DAY) | DRIP FIELD #2) (GALLONS/DAY) |
| DATE | READING | (SLFM#1)2 | (RLFM#1)2 | (GALLONS/DAY) | | | 407 | 633 |
| 9/30/2025 | 1 | 1933856 | 130735 | 226 | 1969626 1969870 | 121049 121072 | 221 | 329 |
| 10/1/2025 | 1 | 1934007 | 130778 | 108 | | 121072 | | 227 |
| 10/2/2025 | 1 | 1934080 | 130771 | 80 | 1970018 | | 147 | |
| 10/3/2025 | 1 | 1934133 | 130808 | 16 | 1970460 | 121118 | 397 | 413 |
| 10/4/2025 | 1 | 1934375 | 130818 | 232 | 1970523 | 121119 | 62 | 294 |
| 10/5/2025 | 1 | 1934599 | 130838 | 204 | 1970984 | 121158 | 422 | 626 |
| 10/6/2025 | 1 | 1934833 | 130845 | 227 | 1971419 | 121154 | 439 | 666 |
| 10/7/2025 | 1 | 1935203 | 130881 | 334 | 1971767 | 121192 | 310 | 644 |
| 10/8/2025 | 1 | 1935308 | 130908 | 78 | 1972061 | 121228 | 258 | 336 |
| 10/9/2025 | 1 | 1935400 | 130918 | 82 | 1972161 | 121228 | 100 | 182 |
| 10/10/2025 | 1 | 1935470 | 130931 | 57 | 1972374 | 121230 | 211 | 268 |
| 10/11/2025 | 1 | 1935755 | 130959 | 257 | 1972787 | 121262 | 381 | 638 |
| 10/12/2025 | 1 | 1935930 | 130994 | 140 | 1973325 | 121279 | 521 | 661 |
| 10/13/2025 | 1 | 1936365 | 131019 | 410 | 1973667 | 121299 | 322 | 732 |
| 10/14/2025 | 1 | 1936561 | 131020 | 195 | 1974202 | 121314 | 520 | 715 |
| 10/15/2025 | 1 | 1936828 | 131052 | 235 | 1974678 | 121383 | 407 | 642 |
| 10/16/2025 | 1 | 1936908 | 131054 | 78 | 1974857 | 121385 | 177 | 255 |
| 10/17/2025 | 1 | 1937138 | 131085 | 199 | 1975281 | 121425 | 384 | 583 |
| 10/18/2025 | 1 | 1937397 | 131120 | 224 | 1975713 | 121468 | 389 | 613 |
| 10/19/2025 | 1 | 1937681 | 131125 | 279 | 1976229 | 121478 | 506 | 785 |
| 10/20/2025 | 1 | 1938041 | 131158 | 327 | 1976644 | 121519 | 374 | 701 |
| 10/21/2025 | 1 | 1938282 | 131193 | 206 | 1977197 | 121544 | 528 | 734 |
| 10/22/2025 | 1 | 1938337 | 131194 | 54 | 1977279 | 121546 | 80 | 134 |
| 10/23/2025 | 1 | 1938502 | 131243 | 116 | 1977481 | 121594 | 154 | 270 |
| 10/24/2025 | 1 | 1938591 | 131245 | 87 | 1977723 | 121609 | 227 | 314 |
| 10/25/2025 | 1 | 1938772 | 131298 | 128 | 1978302 | 121628 | 560 | 688 |
| 10/26/2025 | 1 | 1939053 | 131309 | 270 | 1978628 | 121654 | 300 | 570 |
| 10/27/2025 | 1 | 1939416 | 131349 | 323 | 1979131 | 121707 | 450 | 773 |
| 10/28/2025 | 1 | 1940128 | 131450 | 611 | 1979309 | 121770 | 115 | 726 |
| 10/29/2025 | 1 | 1940188 | 131452 | 58 | 1980073 | 121822 | 712 | 770 |
| 10/30/2025 | 1 | 1940307 | 131455 | 116 | 1980483 | 121827 | 405 | 521 |
| 10/31/2025 | 1 | 1940583 | 131519 | 212 | 1980957 | 121880 | 421 | 633 |

Withrow, Kim

Subject: Attachments: FW: WW monthly reports from NVM/Understudy 251008 Daily Flows_607 St Helena Highway.pdf

From: Ben Monroe <Ben@norcalcivil.com> Sent: Wednesday, October 8, 2025 8:21 AM

To: Withrow, Kim <Kim.Withrow@countyofnapa.org>; Adamson, Christina <christina.adamson@countyofnapa.org>; Dodd, Jeff <jdodd@coblentzlaw.com>; Shields Bown, Maureen <MAUREEN.SHIELDSBOWN@countyofnapa.org> Cc: Hawkes, Trevor <trevor.hawkes@countyofnapa.org>; Mary Anne Slocum <Maryanne@norcalcivil.com>; Justin Williams <justin.williams@pressnapavalley.com>; Melissa Spencer <melissa.spencer@pressnapavalley.com>; Guy Byrne@lrico.com) <Guy.Byrne@lrico.com>; Laura Rafaty <laura@napavalleymuseum.org>

Subject: Re: WW monthly reports from NVM/Understudy

Kim,

My apologies for the prior daily report which was missing some of the information (perhaps the most important part). That was my fault. Attached please find a complete daily flow log from July 1 to date.

Can we set up a time to talk about this process so that we can make sure that the information meets expectations for data and timeliness moving forward?

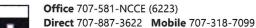
I can be available today until 10 am, or from 11 to 2:30, tomorrow (Thursday after 11:30), or Friday until 3 pm.

Thank for working with us on this new process. Please feel free to reach out via email as well.

Don't just have a good day, have the BEST day,

Ben Monroe

Principal at NorCal Civil Engineering, Inc.



Web www.NorCalCivil.com
Email Ben@NorCalCivil.com
PO Box 12155, Santa Rosa, CA 95406



Realizing Your Vision Together!

https://norcalcivil.com/

Please review us on Google to let us know how we're doing.

Site Address: 607 S. St Helena Highway, St Helena, CA 94574

| APN: 027-150-00 |)1 | ZON | IF 1 | ZON | BOTH ZONES | |
|-----------------|--------------|---|--|---|---|---|
| DATE | DAYS BETWEEN | ZONE 1 FLOW METER READING - SUPPLY LINE#1 (SLFM#1) ² | ZONE 1 FLOW METER READING - RETURN LINE#1 (RLFM#1) ² | FLOW METER READING - SUPPLY LINE#2 (SLFM#2) ² | FLOW METER READING - RETURN LINE#2 (RLFM#2) ² | TOTAL DRIP FIELD DAILY FLOW (DRIPFIELD #1 + DRIP FIELD #2) (GALLONS/DAY) |
| 7/1/2025 | 1 | 1915674 | 127117 | 1934920 | 114437 | 1 |
| 7/1/2025 | 1 | 1915674 | 127117 | 1934920 | 114437 | 0 |
| 7/3/2025 | 1 | 1915674 | 127117 | 1934921 | 114437 | 1 |
| 7/4/2025 | 1 | 1915683 | 127117 | 1934921 | 114437 | 9 |
| 7/5/2025 | 1 | 1915684 | 127117 | 1934920 | 114437 | 0 |
| 7/6/2025 | 1 | 1915688 | 127117 | 1934959 | 114437 | 43 |
| 7/7/2025 | 1 | 1915684 | 127117 | 1934943 | 114437 | -20 |
| 7/8/2025 | 1 | 1915674 | 127118 | 1934921 | 114437 | -33 |
| 7/9/2025 | 1 | 1915684 | 127119 | 1934920 | 114437 | 8 |
| | 1 | 1915674 | 127120 | 1934920 | 114437 | -11 |
| 7/10/2025 | 1 | 1915684 | 127118 | 1934921 | 114437 | 13 |
| 7/11/2025 | 1 | 1915797 | 127132 | 1935238 | 114446 | 407 |
| 7/13/2025 | 1 | 1916130 | 127203 | 1935778 | 114589 | 659 |
| 7/13/2025 | 1 | 1916427 | 127280 | 1936423 | 114730 | 724 |
| 7/15/2025 | 1 | 1916637 | 127369 | 1936804 | 114820 | 412 |
| 7/16/2025 | 1 | 1916869 | 127382 | 1937263 | 114922 | 576 |
| 7/17/2025 | 1 | 1917157 | 127464 | 1937829 | 115062 | 632 |
| 7/18/2025 | 1 | 1917459 | 127572 | 1938446 | 115194 | 679 |
| 7/19/2025 | 1 | 1917598 | 127622 | 1938748 | 115301 | 284 |
| 7/19/2023 | 1 | 1917776 | 127719 | 1939129 | 115492 | 271 |
| 7/20/2025 | 1 | 1918114 | 127844 | 1939718 | 115722 | 572 |

Site Address: 607 S. St Helena Highway, St Helena, CA 94574 APN: 027-150-001

| 1 | 1918420 | 127948 | 1940322 | 115918 | 610 |
|---|---------|--|--|--|---|
| | 1918551 | 127979 | 1940782 | 115998 | 480 |
| | | 128009 | 1940941 | 116090 | 162 |
| | | | 1941083 | 116155 | 180 |
| | | | | 116251 | 554 |
| | | | | 116469 | 577 |
| | | | | 116613 | 739 |
| | | | | | 720 |
| | | | | | 594 |
| 1 | | | | | 170 |
| 1 | 1920282 | 128402 | | | |
| 1 | 1920402 | 128432 | 1944576 | 117045 | 449 |
| 1 | 1920509 | 128450 | 1944870 | 117069 | 359 |
| 1 | 1920682 | 128477 | 1944987 | 117102 | 230 |
| 1 | 1920835 | 128507 | 1945322 | 117200 | 360 |
| 1 | 1921073 | 128574 | 1945890 | 117251 | 688 |
| | 1921404 | 128597 | 1946392 | 117375 | 686 |
| | 1921702 | 128681 | 1946977 | 117487 | 687 |
| | | 128759 | 1947554 | 117581 | 734 |
| | | 128799 | 1947614 | 117595 | 138 |
| | | 128815 | 1948100 | 117688 | 587 |
| | | | 1948659 | 117769 | 676 |
| | | | 1949289 | 117843 | 755 |
| | | × | | 117911 | 734 |
| 1 | 15251/4 | 120500 | | 117982 | 694 |
| | 1 1 1 | 1 1918551 1 1918676 1 1918812 1 1918985 1 1919277 1 1919648 1 1919916 1 1920187 1 1920282 1 1920402 1 1920509 1 1920682 1 1920835 1 1921073 1 1921702 1 192273 1 1922373 1 1922589 1 1922863 | 1 1918551 127979 1 1918676 128009 1 1918812 128042 1 191885 128083 1 1919277 128151 1 1919648 128242 1 1919916 128320 1 1920187 128365 1 1920282 128402 1 1920402 128432 1 1920509 128450 1 1920682 128477 1 1920835 128507 1 1921073 128574 1 1921404 128597 1 1921702 128681 1 1922163 128799 1 1922373 128815 1 1922589 128833 1 1922863 128908 | 1 1918551 127979 1940782 1 1918676 128009 1940941 1 1918812 128042 1941083 1 1918985 128083 1941601 1 1919277 128151 1942172 1 1919648 128242 1942775 1 1919916 128320 1943479 1 1920187 128365 1944040 1 192082 128402 1944187 1 192082 128402 1944870 1 1920509 128450 1944870 1 1920682 128477 1944987 1 1920835 128507 1945322 1 192103 128574 1945890 1 192104 128597 1946392 1 1922031 128759 194754 1 1922163 128799 1947614 1 1922373 128815 1948100 1 1922589 12833 1948659 1 1922863 12890 | 1 1918551 127979 1940782 115998 1 1918676 128009 1940941 116090 1 1918812 128042 1941083 116155 1 1918985 128083 1941601 116251 1 1919277 128151 1942172 116469 1 1919277 128151 1942775 116613 1 1919916 128320 1943479 116787 1 1920187 128365 1944040 116980 1 1920282 128402 1944187 117015 1 1920402 128432 1944576 117045 1 1920509 128450 1944870 117069 1 1920682 128477 1944987 117102 1 1920835 128507 1945322 117200 1 1921073 128574 1945890 117251 1 1921702 128681 1946977 117487 1 192163 128799 194754 117581 1 |

Site Address: 607 S. St Helena Highway, St Helena, CA 94574 APN: 027-150-001

| 1 | | | | | |
|---|---------------------------------------|---|---|--|--|
| 1 | 1923875 | 128999 | 1950650 | 118021 | 676 |
| | | | 1950855 | 118040 | 212 |
| | | | | 118060 | 206 |
| | | 7 | | 118175 | 397 |
| 1 | | | | | 410 |
| 1 | 1924538 | | | | 333 |
| 1 | 1924630 | 129254 | | | |
| 1 | 1924953 | 129301 | 1952519 | 118391 | 717 |
| 1 | 1925118 | 129360 | 1953153 | 118451 | 680 |
| 1 | 1925339 | 129376 | 1953809 | 118515 | 797 |
| | 1925827 | 129479 | 1954286 | 118630 | 747 |
| | | 129526 | 1954954 | 118750 | 771 |
| | | 129616 | 1955688 | 118916 | 795 |
| | | 129705 | 1956374 | 119117 | 777 |
| | | | 1956909 | 119201 | 756 |
| | | | 1957469 | 119282 | 789 |
| | | | 1957930 | 119366 | 799 |
| | | | | 119470 | 742 |
| | | | | 119604 | 1122 |
| | | | | 119704 | 669 |
| 1 | | | | | 584 |
| 1 | 1929064 | 130078 | | | |
| 1 | 1929436 | 130124 | 1961248 | 119877 | 875 |
| 1 | 1929793 | 130174 | 1961842 | 119972 | 806 |
| 1 | 1930134 | 130199 | 1962530 | 120064 | 912 |
| 1 | 1930563 | 130279 | 1963311 | 120283 | 911 |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1923875 1 1923957 1 1924058 1 1924216 1 1924538 1 1924630 1 1924953 1 1925118 1 1925339 1 1925827 1 1926097 1 1926097 1 1926414 1 1926795 1 1927115 1 1927495 1 1927996 1 1928226 1 1928797 1 1929064 1 1929793 1 1930134 | 1 1923875 128999 1 1923957 129055 1 1924058 129078 1 1924216 129146 1 1924538 129229 1 1924630 129254 1 1924953 129301 1 1925118 129360 1 1925339 129376 1 1925827 129479 1 1926097 129526 1 1926097 129526 1 1926795 129705 1 1926795 129700 1 192715 129790 1 1927996 129869 1 1928226 129928 1 1928797 130013 1 1929064 130078 1 1929793 130174 1 1930134 130199 | 1 1923875 128999 1950650 1 1923957 129055 1950855 1 1924058 129078 1951003 1 1924216 129146 1951425 1 1924538 129229 1951691 1 1924530 129254 1951992 1 1924953 129301 1952519 1 1925118 129360 1953153 1 1925339 129376 1953809 1 1925327 129479 1954286 1 1925827 129479 1954286 1 1926097 129526 1954954 1 1926414 129616 1955688 1 1926795 129705 1956374 1 192715 129700 1956909 1 192795 129790 1957469 1 192826 129928 1957930 1 1928535 129952 1959576 1 1928797 130013 1950144 1 1929436 13 | 1 1923875 128999 1950650 118021 1 1923957 129055 1950855 118040 1 1924058 129078 1951003 118060 1 1924216 129146 1951425 118175 1 1924538 129229 1951691 118270 1 1924530 129254 1951992 118305 1 1924953 129301 1952519 118391 1 1925118 129360 1953153 118451 1 1925339 129376 1953809 118515 1 1925339 129376 1953809 118515 1 1925277 129479 1954286 118630 1 1925277 129526 1954954 118750 1 1926077 129526 1954954 118750 1 1926079 129705 1956374 119117 1 1927115 129700 1956909 119201 1 1927495 129869 1957930 119366 1 1928256 129928 195805 119470 1 1928355 129952 1959576 119604 1 <td< td=""></td<> |

Site Address: 607 S. St Helena Highway, St Helena, CA 94574 APN: 027-150-001

| N. UZ7-130-00. | • | | | | | |
|----------------|----|---------|--------|---------|--------|-----|
| 9/8/2025 | 1 | 1930795 | 130339 | 1964079 | 120494 | 729 |
| | | 1931192 | 130434 | 1964587 | 120580 | 724 |
| 9/9/2025 | 1 | 1931581 | 130504 | 1965131 | 120650 | 793 |
| 9/10/2025 | 1 | | 130522 | 1965597 | 120727 | 636 |
| 9/11/2025 | 11 | 1931846 | | 1966205 | 120787 | 648 |
| 9/12/2025 | 1 | 1932000 | 130576 | | 120787 | 10 |
| 9/13/2025 | 1 | 1932000 | 130576 | 1966215 | 2 | |
| 9/14/2025 | 11 | 1932000 | 130576 | 1966215 | 120788 | -1 |
| 9/15/2025 | 1 | 1932000 | 130576 | 1966205 | 120788 | -10 |
| 9/16/2025 | 1 | 1932000 | 130576 | 1966205 | 120788 | 0 |
| | 1 | 1932000 | 130576 | 1966205 | 120788 | 0 |
| 9/17/2025 | | | 130583 | 1966227 | 120799 | 60 |
| 9/18/2025 | 1 | 1932056 | 130599 | 1966539 | 120803 | 494 |
| 9/19/2025 | 1 | 1932258 | | | 120819 | 489 |
| 9/20/2025 | 1 | 1932455 | 130624 | 1966872 | | |
| 9/21/2025 | 1 | 1932655 | 130651 | 1967291 | 120832 | 579 |
| 9/22/2025 | 1 | 1932824 | 130660 | 1967623 | 120877 | 447 |
| | | 1932905 | 130666 | 1968064 | 120908 | 485 |
| 9/23/2025 | 1 | 1933034 | 130678 | 1968142 | 120925 | 178 |
| 9/24/2025 | 1 | | | 1968314 | 120934 | 251 |
| 9/25/2025 | 1 | 1933134 | 130690 | | 120944 | 155 |
| 9/26/2025 | 1 | 1933205 | 130696 | 1968414 | | |
| 9/27/2025 | 1 | 1933360 | 130699 | 1968629 | 120956 | 355 |
| 9/28/2025 | 1 | 1933426 | 130704 | 1968874 | 120996 | 266 |
| 9/29/2025 | 1 | 1933634 | 130739 | 1969244 | 121074 | 465 |
| | | 1933856 | 130735 | 1969626 | 121049 | 633 |
| 9/30/2025 | 1 | 1934007 | 130778 | 1969870 | 121072 | 329 |

Site Address: 607 S. St Helena Highway, St Helena, CA 94574

APN: 027-150-001

Septic Monitoring Report Form

| 10/2/2025 | 1 | 1934080 | 130771 | 1970018 | 121073 | 227 |
|-----------|-----|---------|--------|---------|--------|-----|
| 10/3/2025 | 1 | 1934133 | 130808 | 1970460 | 121118 | 413 |
| 10/4/2025 | 1 | 1934375 | 130818 | 1970523 | 121119 | 294 |
| 10/5/2025 | 1 | 1934599 | 130838 | 1970984 | 121158 | 626 |
| 10/6/2025 | 1 1 | 1934833 | 130845 | 1971419 | 121154 | 666 |



Wastewater Feasibility Study

WASTEWATER FEASIBILITY STUDY

Napa Valley Museum

OWNER: R&R Lands, LLC

607 St. Helena Hwy, St. Helena, CA

APN: 027-150-001

PREPARED BY

NorCal Civil Engineering, Inc.

PO Box 12155 SANTA ROSA, CALIFORNIA 95406 (707) 318-7099





March 13, 2024

Revised: August 8, 2024

Job No. 24003



Attachments

Exhibit 1: Use Permit Site Plan

Exhibit 2: Additional Pretreatment Units Exhibit

Exhibit 3: E11-00466 Septic Report and Design Calculations

Exhibit 4: Existing Daily Flows for Gary's Market

Exhibit 5: Annual Water Invoice, Napa Valley Museum, Yountville

Items Referenced

- 1. Napa County ASTS Guidelines: Table 4 Commercial Sewage Generation Rates
- 2. Table A. Recommended Minimum HRTs, Primary Tankage and Configurations
- 3. Trip Generation Study, Prepared by W-Trans dated February 21, 2024
- 4. Septic Monitoring Reports Prepared by McCollum General Engineering, Dates Range: June 2019 June 2023
- 5. Response to Comments on the Trip Generation Study for the Napa Valley Museum Project, prepared by W-Trans dated May 28, 2024



PROJECT AND SITE DESCRIPTION

The parcel located at 607 and 587 St. Helena Hwy, St. Helena, CA (APN 027-150-001) is a previously developed property. The site includes two separate buildings. The north building, located at 587 St. Helena Highway is operated by Press Restaurant. This building has its own septic system (E04-0250) and is not part of this application. The south building, located at 607 St. Helena Highway was originally operated as Dean & DeLuca Market and more recently has been operated by Gary's Wine & Marketplace. This building is served by its own existing subsurface drip irrigation septic system (E11-00466).

With this Use Permit Application, the project proposes to reduce the market use in the south building (recently occupied by Gary's Wine & Marketplace) and convert the remaining area to a museum use for the Napa Valley Museum.

EXISTING SITE USES

The site currently operates under a Certificate of Legal Non-Conformance (CLN-96472) dated April 15, 1997. This certificate allows the use of an existing retail market in the southern building. The existing uses within the retail market include a coffee bar, wine tasting, a kitchen for preparation of sandwiches, baked goods, and deli case items, cold storage areas for cheese and drinks, as well as retail. There is an office space, restrooms, and storage area. The existing site use categories and dedicated square footage are summarized below:

| Existing Use Under CLN | Square Feet (SF) |
|-------------------------------------|---------------------|
| | |
| Market | 7880 |
| Storage (including refrigerated) | 1275 |
| Office | 300 |
| Bathrooms | 350 |
| Commercial Kitchen/Food Preparation | 970 |
| TOTAL | 10775 |

PROPOSED SITE USES

With this application, it is proposed to remodel the interior of the building to provide space for the Napa Valley Museum. Following the renovation, the proposed site uses shall be distributed into the following floor space areas:



| | Square |
|-------------------------------------|-----------|
| Proposed Uses | Feet (SF) |
| Museum | 6,272 |
| Market | 1,439 |
| Office | 389 |
| Bathroom | 464 |
| Commercial Kitchen/Food Preparation | 1,028 |
| Storage (including refrigerated) | 1,141 |
| TOTAL | 10733 |

EXISTING SEPTIC SYSTEM

Existing Septic Permitting and History

The existing septic system was permitted and installed in 2011 under repair permit E11-00466. As noted in Environmental Health comment #2 of the Napa County PBES Application Status Letter, dated July 19, 2024, this permit was issued to repair the dispersal field. At this time, the installed septic system only consisted of 1,500 sf of drip dispersal area, located in the SE corner of the parcel. After allowing the dispersal area to dry out and remediate a biomat which had formed around the tubing, permit E11-00466 provided for re-installation of drip tubing in the SE corner of the parcel, after placing 12" of imported fill material. The permit also provided for the import of 6" fill in the SW parcel corner, and installation of an additional 1,300 sf of drip dispersal area. This resulted in reducing the effective soil application rate from 0.75 gpd/sf in just the SE field, to an average of 0.36 gpd in both dispersal areas. Additional information on flow monitoring to prevent future failure is provided in the Proposed System Modifications section of this report.

Septic System Components

The existing septic system serving the building consists of a subsurface drip irrigation system with an approved design flow of 1,000 gpd. The system consists of the following components:

- Gravity Sewer Collection
- 1,500 gallon concrete grease interceptor for kitchen waste
- 1,500 gallon two-chamber concrete septic tank
- 810 gallon single-chamber concrete septic tank
- 5,000 gallon two-chamber concrete tank consisting of:
 - Chamber 1: 3,350 gallons septic tank
 - o Chamber 2: 1,650 gallons recirculation tank
- Three (3) AdvanTex AX20 Textile Treatment Pods
- 3,000 gallon concrete drip dosing sump with duplex pump system
- Drip Headworks including:
 - Spin filter



- Field and filter flushing solenoid valves
- Solenoid valves for drip field alternation
- Flow Meters for Supply and Flush operations
- Alternating dual zone subsurface drip irrigation fields consisting of:
 - o 1,300 sf (west zone)
 - 1,502 sf (east zone)

Until recently, there was a Vacuum Bubble Technologies (VBT) aeration unit installed in the first riser of the 5,000 gallon septic tank. The motor of this aerator burned up and the unit has been removed. Replacement models from the same manufacturer are now larger in size and no longer fit within the existing tank riser. Rather than modify the existing tank riser, it was decided that equal or greater treatment would be provided through the addition of three (3) additional AX20 AdvanTex pods. A permit application for the additional pods and associated piping was recently submitted to the County of Napa Environmental Management Division.

Septic System Capacities

Septic Tank

The volume of the septic tank has been provided as one 1,500 gallon septic tank, one 810 gallon septic tank, and first compartment of the 5,000 gal tank (3,350 gal) and the retention:

Total Tank Volume = 1,500 gal + 810 gal +3,350 gal = 5,660 gal

Orenco Systems, Inc., who manufacturer's the AdvanTex treatment system, specifies a commercial sizing criteria for primary tankage of four (4) times the max daily peak design flow. Therefore, the peak design flow of the septic tanks is determined as follows:

Retention = 5,660 gal/4 days = 1,415 gpd

Recirculation Tank

The existing recirculation volume within the second compartment of the 5,000 gallon tank is 1,650 gal. Orenco recommends a recirculation volume of 0.75 times the max daily peak design flow. Therefore, the recirculation design capacity per Orenco design criteria is:

1,650 gal / 0.75 days = 2,200 gpd

Therefore, the recirculation tank provides a retention of approximately 2.2 days at peak flows.

AdvanTex Pretreatment System Sizing

With installation of the additional three (3) AX20 pods (permit E24-00076), the pretreatment system proposed will consist of a total of six (6) pods, to accompany the associated septic tank and recirculation tank, pumping system, and controls.

5



Orenco specifies that a single AX20 textile filter is sufficient for a 600 gallon per day average application. Therefore, the total capacity of the filter pods is 3,600 gallons per day.

Drip Dosing Sump Tank

Napa County requires the drip system dosing sump tank to be approximately 1.5 times the design flow. The capacity of the existing 3,000 gal dosing sump tank is determined as follows:

3,000 gal / 1.5 days = 1,500 gpd

Existing Subsurface Drip Irrigation Dispersal System

The existing septic system (E11-00466) consists of two subsurface dripfields of 1,300 sf and 1,502 sf that shall accommodate the flows from the project. At the design flow of 1,000 gpd, the two fields receive effluent at 0.34 gpd/sf and 0.39 gpd/sf, respectively.

Capacity Summary

The individual capacities of the system components are summarized below.

| System Component | Design Capacity |
|-----------------------|-----------------|
| Septic Tank | 1,415 gpd |
| Recirculation Tank | 2,200 gpd |
| AdvanTex Pretreatment | 3,600 gpd |
| Sump Tank | 1,500 gpd |
| Drip Field | 1,000 gpd |

As presented in the table, the treatment system components meet or exceed the existing design flows of the installed system. This is provided to ensure the highest quality of discharge.

Existing System Monitoring Reports

As part of this evaluation, the last 5 years' worth of septic monitoring reports was requested from the property service provider, McCollum General Engineering. Existing monitoring reports, from 6/13/19 to 12/13/23 show average daily flows for the past five years ranging from 312 gpd to 909 gpd. To understand the use of the system three separate average daily flows were evaluated and summarized below:

| Average daily flow for the past year | = | 899.22 gpd |
|--|---|------------|
| Average daily flow for the past two years | = | 776.40 gpd |
| Average daily flow for the past five years | = | 632.14 gpd |

The peak daily flow of 909.76 gpd was recorded for the period ending on 12/15/2021 which included participation in the Premier Napa Valley Wine Week events. The average daily flow for the past 5 years is 632 gpd. Both values are below the system design flow of 1,000 gpd.



PROPOSED DESIGN FLOW EVALUATION

As part of this study, the proposed changes to the septic system use must be evaluated. To do so, the existing and proposed site uses were compared.

Existing Retail Market

Existing Septic Monitoring Reports

The septic monitoring reports provided by McCollum General Engineering show peak daily flows to be 909 gpd with average flows of 632 gpd.

The existing site includes several uses, each with varying amounts of sewage generated. Data is not available to understand the distribution by each use type. Because of this, we assume a value of 3 gpd/person for the existing sewage flows. This is typical for a wine tasting room, bar, or cocktail lounge, which we believe is a conservative assumption compared to a retail market operation. Experience with similar Napa Valley market and deli establishments suggests that the gpd per person can significantly decrease below this amount for the busiest days. Utilizing the value of 3 gpd/person, the number of historic peak and average daily visitors is estimated based on the average daily flow and calculated as follows:

Peak = 909.76 gpd/(3 gpd/person) = 303 visitors Average = 632 gpd/(3 gpd/visitor) = 210.7 visitors

Occupancy Load Analysis

The flows from the existing market use was also analyzed using similar methodology to a Building Code Occupancy load analysis. This is presented in the table below.

| Existing Use | Square Feet (SF) | Occupant Load Factor | Occupants |
|--------------------------|------------------|----------------------|-----------|
| | | (Occ./SF) | |
| Office | 300 | 150 | 2 |
| Kitchen/Food Preparation | 970 | 200 | 5 |
| Storage | 1275 | 300 | 5 |
| Market | 7880 | 60 | 132 |
| Non-Simultaneous | 350 | 0 | 0 |
| (Bathroom) | | | |
| Total | 10,775 | | 144 |

Therefore, the maximum number of people anticipated onsite at any given time is 144. This number is consistent with the historic daily visitor calculations derived from McCollum's septic monitoring reports over the past five years.



Proposed Museum Project

With the proposed application, the existing 7,880 sf market space will be reduced to 1,439 sf and the remaining area will be converted to a new 6,272 sf museum and display area. The project will also result in removal of the cheese counter and associated water use for that area. Both modifications indicate that the proposed use will be less than the existing. This is supported by the following analysis.

Trip Generation Study

W-Trans, Traffic Engineering Consultants, prepared a Trip Generation Study for this Use Permit application. This analysis concluded that the conversion of market space to the Napa Valley Museum resulted in a reduction of 228 vehicle trips per day. This is equivalent to 114 fewer cars visiting the site each day. Typical traffic analysis assumes anywhere from 1 to 2.5 people per vehicle, which would result in a reduction of at least 114 people per day to the site. Utilizing 3 gpd per visitor, this is a reduction of 342 gpd.

Additionally, County comments on the initial Use Permit submittal requested the application address programming conducted by Napa Valley Museum associated with exhibit displays. In response to this, W-Trans issued a supplement to their analysis titled, "Response to Comments on the Trip Generation Study for the Napa Valley Museum Project," dated May 28, 2024. In this analysis, W-Trans stated that "such exhibitions and events are inherently included in the museum's typical operations as already accounted for in trip generation rates." Therefore, the 6 larger programs of up to 200 people are already accounted for in the proposed use of the site as a museum. Additional evidentiary support for this analysis and conclusion is provided further below in this report with our analysis of the existing water use for the Napa Valley Museum operations in Yountville.

Occupancy Load Analysis

A Building Code Occupancy load analysis was also performed utilizing the proposed conditions. In the load analysis, only 50% of the museum total area is used to account for floor area utilized by exhibits, as well as allowing for ADA accessibility.



| Proposed Use | Square Feet (SF) | Occupant Load Factor (Occ./SF) | Occupants | |
|--------------------|--|-----------------------------------|-----------|--|
| Museum Open Space | 3,136 (6,272 sf total with 50% floor area open) | 30 | 105 | |
| Market | 1,439 | 60 | 24 | |
| Office | 389 | 150 | 3 | |
| Bathroom | 464 | 0 | 0 | |
| (non-simultaneous) | | | | |
| Kitchen | 1,028 | 200 | 6 | |
| Storage | 1,141 | 300 | 4 | |
| Total | 10,733 | | 142 | |

Based on the occupancy analysis under proposed project conditions, the maximum number of people anticipated onsite at any given time is 142 occupants. This is less than the 144 occupants under existing conditions and therefore represents a decrease in the site use.

Existing Napa Valley Museum Water Use

The Napa Valley Museum currently has an existing operation in Yountville on the grounds of the California Veteran's Home. The existing operation include the same uses to those being proposed at 607 St. Helena Highway in this Use Permit application. This includes employees, day use visitors and events associated with museum programs. The Museum has provided a copy of their water billing from the Department of Veteran's affairs (Exhibit 5 attached) for the existing operation. This Exhibit 5 represents the largest annual billing in the last five (5) years and resulted in an average of 230 gallons per day.

In addition to a much larger exhibit space and available parking in Yountville, the existing operations also include an onsite catering kitchen as well as programs with up to 500 attendees (occupancy accommodated in larger venue). Due to limitations for parking at 607 St. Helena Highway, and proposed programs limited to a maximum of 200 attendees, the sewage generated by the proposed operation is anticipated to be less. If the existing water data of 230 gpd is added to the average existing use of 632 gpd at 607 St. Helena Highway, the total proposed use of the site is 860 gpd. This is less than the 1,000 gpd permitted capacity of the septic system. Additionally, the 230 gpd average use for the existing museum operations is less than the 342 gpd estimated reduction in use described in the *Trip Generation Study* portion of this report. Therefore, the proposed museum operations, including programmatic events can be accommodated in the site septic system.

Decrease in Proposed Site Septic Use

As presented above, the Trip Generation Study concluded a reduction of 114 vehicle trips per day under project conditions. The building code occupant analysis also indicates a reduction in the number of people onsite. Based on the foregoing analysis, we anticipate project conditions will reduce the intensity of use of the site and result in a commensurate decrease in the average



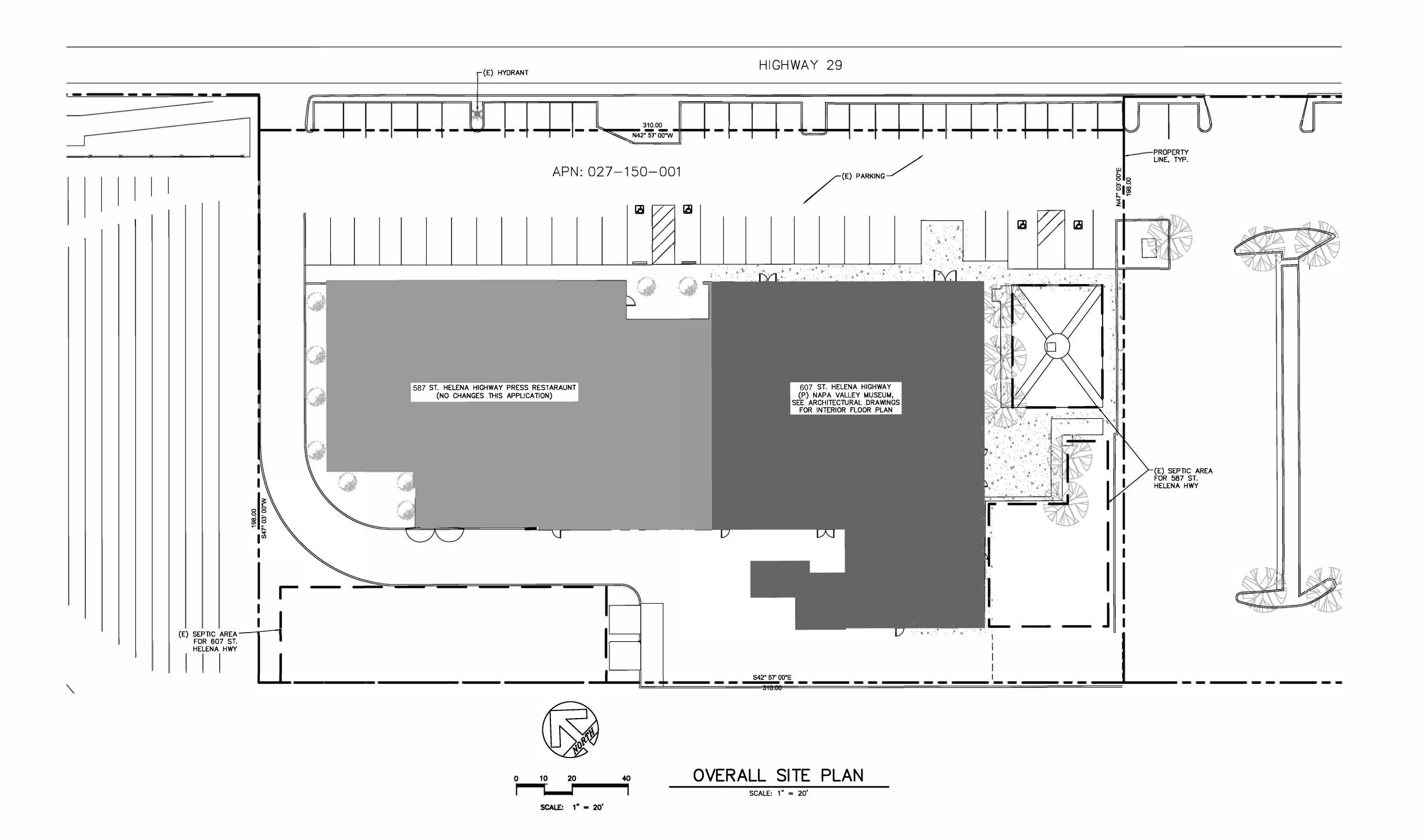
and peak flows (909 gpd) reflected in the septic monitoring reports. Therefore, the septic system design flow of 1,000 gpd has sufficient capacity to support the project uses.

Proposed Septic System Modifications

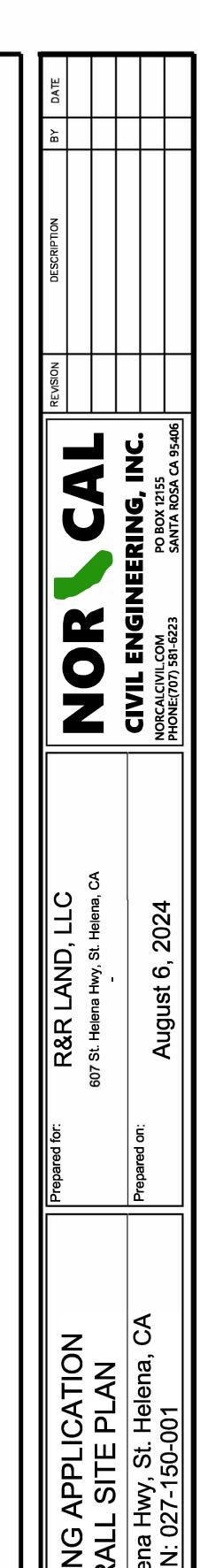
The additional three (3) AdvanTex filter pods proposed under the issued permit E24-00076 have yet to be installed as of this report preparation but will be in place for the Museum operation and will provide for an increased level of treatment performance. Therefore, a higher quality of effluent being discharged into the existing subsurface drip irrigation field shall result in improved percolation. With this system upgrade, it is also proposed to modify the existing control panel so that sends out text or email alarm notifications when the drip dosing sump has neared and exceeded daily design flow of the dispersal field. This will inform the system service provider that they need to visit the site and monitor system conditions. If necessary, building operations can be modified and/or the septic tank can be pumped to buffer peak flows.

CONCLUSION

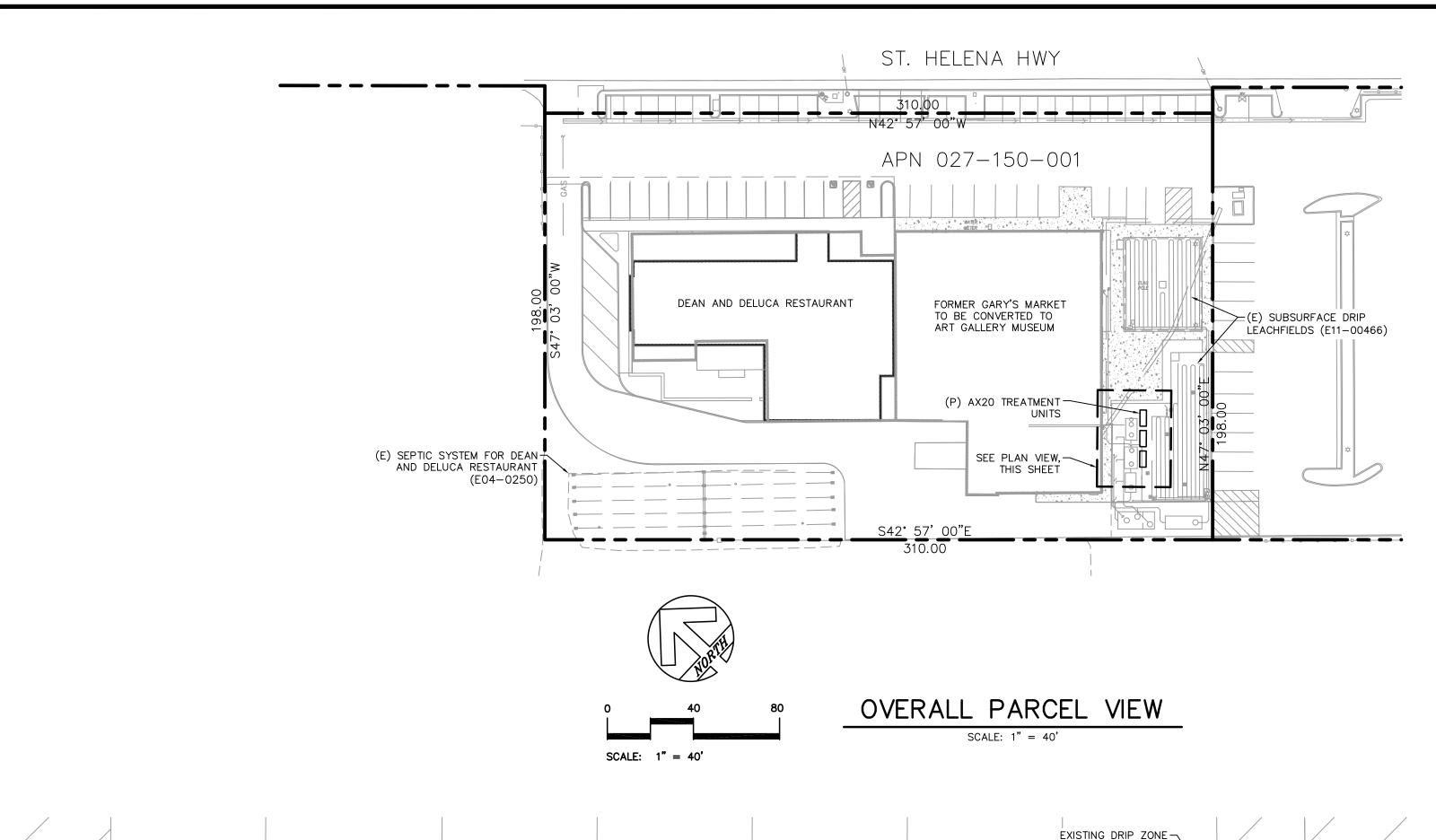
The proposed reduction in retail space and addition of museum space is anticipated to reduce the overall intensity of use of the site compared to baseline conditions. The existing water use for the current Napa Valley Museum supports this will be the case. We anticipate that the new use will be below the system design flow and will not impact the existing septic system on site. As a safety measure, the existing septic control panel will be modified to provide for better flow monitoring and notification abilities which will ensure that the septic system design flow is not exceeded.

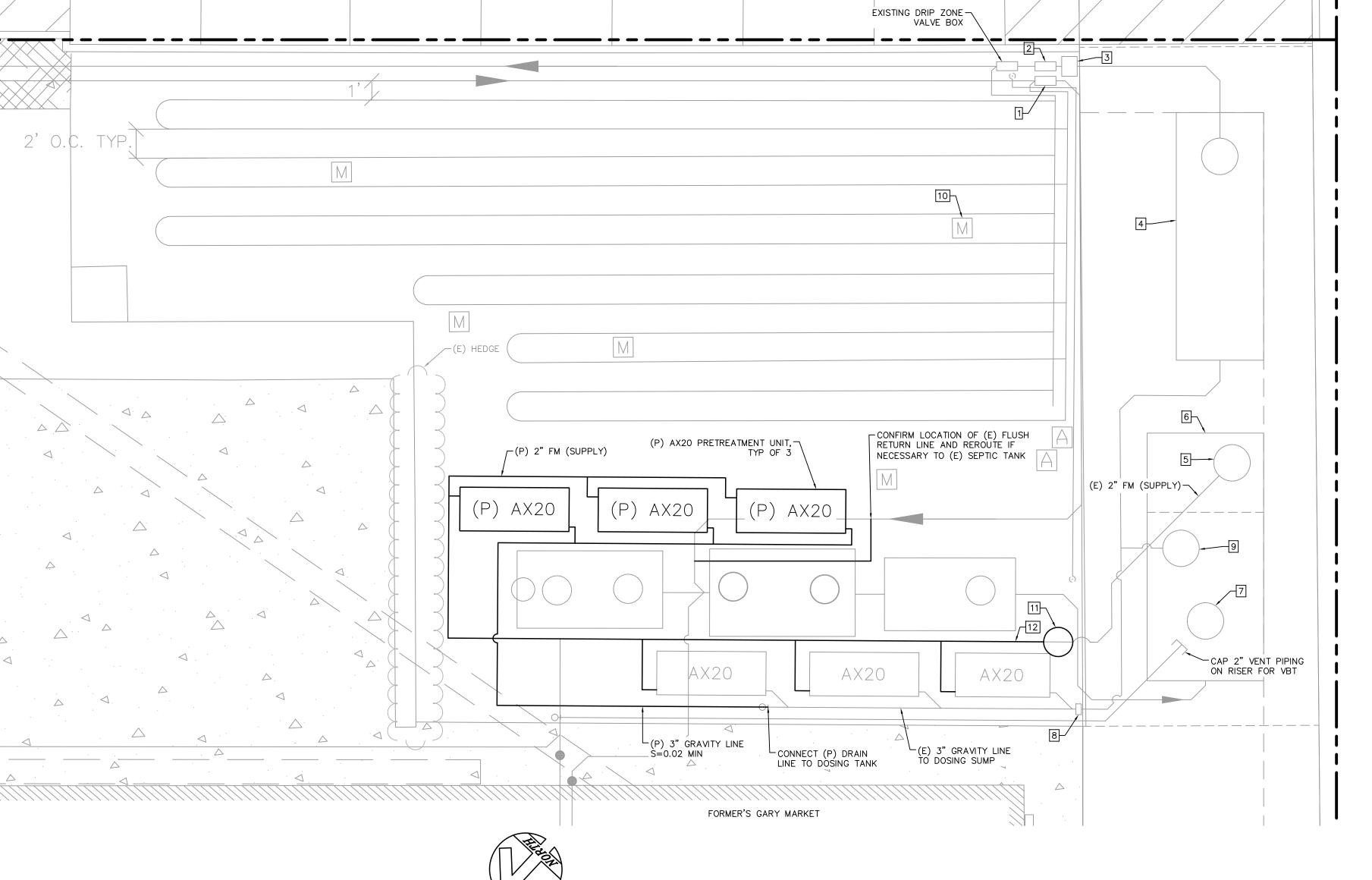






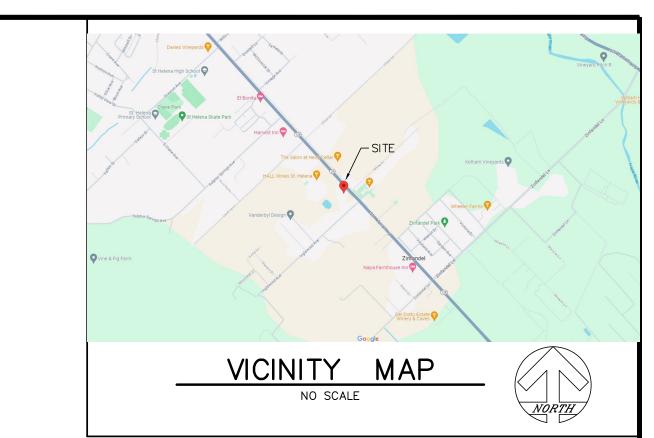
JOB#24003 SHEET





PLAN VIEW

SCALE: 1" = 5



___LEGEND

COTG

| | APPROXIMATE PROPERTY LINE |
|---|---------------------------|
| | ROAD CENTERLINE |
| | EDGE OF ROAD/DRIVEWAY |
| O/H | OVERHEAD UTILITIES |
| $\longrightarrow \cdots \longrightarrow \cdots$ | FLOWLINE |
| (E)/(P) | EXISTING/PROPOSED |
| S/B | SET BACK |

CLEAN OUT TO GRADE

KEYED NOTES:

- 1. (E) FLUSH RETURN FLOW METER AND VALVE BOX.
- 2. (E) FLUSH SUPPLY FLOW METER AND VALVE BOX.
- 3. (E) WASTEFLOW HEADWORKS.
- 4. (E) 3,000 GAL SUMP TANK.
- 5. (E) RECIRCULATION PUMP, TO BE REPLACED WITH TWO (2) P3005 PUMPS, SEE DETAIL D SHEET 3.
- 6. (E) 5,000 GAL. SEPTIC AND RECIRCULATION TANK.
- 7. (E) CONCRETE RISER.
- 8. (E) VENT FAN ASSEMBLY, TO BE REMOVED.
- 9. (E) RECIRCULATION VALVE.
- 10. (E) MONITORING WELL.
- 11. (P) DISTRIBUTION VALVE, SEE DETAIL A SHEET 3.
- 12. PROVIDE ONE 1.5" MIN SSFM FROM DISTRIBUTION VALVE OUTLET TO EACH AX20 POD.

SHEET INDEX

SDS1. OVERALL SITE PLAN SDS2. NOTES & DETAILS SDS3. DETAILS

NOTES

1. NORCAL CIVIL ENGINEERING, INC IS NOT RESPONSIBLE OR LIABLE FOR CHANGES MADE BY THE CLIENT, HIS/HER CONTRACTORS OR SUBCONTRACTORS TO ANY PLAN, SPECIFICATION OR OTHER CONSTRUCTION DOCUMENT PREPARED BY NORCAL CIVIL ENGINEERING, INC WITHOUT OBTAINING THE ENGINEERS' PRIOR WRITTEN CONSENT.

- 2. THIS MAP DOES NOT CONSTITUTE A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE DERIVED FROM RECORD DATA AND HAVE NOT BEEN VERIFIED.
- 3. PURPOSE STATEMENT: SEPTIC IMPROVEMENT PLANS FOR INSTALLATION OF THREE (3) ADDITIONAL AX20 PRE—TREATMENT UNITS FOR ADDITIONAL TREATMENT OF DOMESTIC WASTEWATER PRIOR TO LEACHFIELD DISPERSAL.

SDS1

PRETREATMENT IMPROVEMENT COVER SHEET

57

St

South EPTIC 209

JOB# 22042

09533 Rudd_Dean & DeLuca Subsurface Drips System Calculations July 22, 2009

Revised: August 20, 2009



<u>Dean & DeLuca Market</u> 607 South St. Helena Highway, St. Helena, Ca APN 27-150-001 <u>Subsurface Drip Dispersal System Design Calculations</u>

Project and Site Background

Dean & DeLuca Market is located at 607 South St. Helena Highway in St. Helena, Napa County, Ca (APN 027-150-001). At the north end of the parcel is one building which serves the Press Restaurant. Press Restaurant has its own septic system which is not affected by this application for Dean & DeLuca. Dean & DeLuca Market operates out of the building on the southern portion of the parcel.

Dean & DeLuca Market is a retail market and deli which also provides catering services.

Existing Septic System

The existing septic system consists of one (1) 1,500 gallon septic tank, one (1) 1,500 gallon grease interceptor, one sump tank, and 250 lineal feet of standard gravity leachline. The standard leach lines are 18" wide, 30" deep, and have 18" of gravel with 12" of cover soil. This corresponds to a leachfield application rate of 2 square feet per gpd, which is equivalent to a soil percolation rate of 6 to 12 inches per hour.

Design Flows

Because the existing septic system for Dean & DeLuca is a standard system, there has been no flow monitoring of the system to date. In addition, the City Water Meter for the site is shared between Dean & DeLuca and Press Restaurant and also includes landscaping. Therefore, it is difficult to determine flows for Dean & DeLuca using this data. Design flows for the Press Restaurant are 1,000 gallons per day. A recent septic system monitoring report for the Press Restaurant indicated that the septic system is receiving an average daily flow near 1,000 gallons per day. Water meter data from the time periods of December 16, 2008 to February 15, 2009 and February 16, 2009 to April 15, 2009 indicate an average site water use of 1,658 gpd and 1,907 gpd, respectively. It is assumed that no or very minimal landscaping irrigation is required for these periods and therefore that the water meter records likely present an accurate picture of the wastewater flow generated by the two sites. Therefore, if Press is using an average of 1,000 gpd, then Dean & DeLuca may be using up to 900 gpd during the months of December through February.

However, water meter records for the site indicate that all water use for the site peaks from August to October with an average flow of 9,000 gpd. This is far different from the total use observed in the winter. Because the exact water use is not known, the design flow shall be based on the available dispersal area and appropriate application rates, and is shown to be **1,000 gpd** later in this report.



Pretreatment and Septic Tank System Sizing

The proposed septic system to serve the Dean & DeLuca Market will be a subsurface drip system which incorporates a pretreatment system. The pretreatment system will consist of three AdvanTex AX20 textile filters and associated septic tank and recirculation chamber, pumping system, and controls. In addition to the existing 1,500 gallon septic tank, 1,500 gallon grease trap, and sump tank, an additional 5,000 gallon septic tank serving as a 3,350 gallons septic tank and 1,650 gallons recirculation tank, and a 3,000 gallon drip system sump tank will be added to the system for proper treatment and dispersal. The existing sump tank will be converted to a septic tank. Because the volume is not known, the existing sump tank is assumed to only be 810 gallons. The overall retention provided by the system is determined as follows:

Septic Tank

$$(1,500 + 810 + 3,350)$$
 5,660 gallons ÷ 1,000 gpd = 5.66 days

Recirculation Tank

$$1,650 \text{ gallons} \div 1,000 \text{ gpd} = 1.65 \text{ days}$$

Sump Tank

$$3,000 \text{ gallons} \div 1,000 \text{ gpd} = 3 \text{ days}$$

Orenco Systems, Inc. (OSI), manufacturer of the AdvanTex system recommends a minimum of 3 days retention be provided for the primary septic and the recirculation tank provide approximately 1 day retention. Napa county requires the drip system sump tank to be approximately 1.5 times the design flow. This has been provided by the tanks sized as shown above.

Subsurface Drip Dispersal System Sizing

The subsurface drip system is provided in an area of approximately 1,333 square feet (sf)). Using the estimated flow of 1,000 gpd, the field application rate is estimated as follows:

$$1,000 \text{ gpd} \div 1,333 \text{ sf} = 0.75 \text{ gal/sf/day}$$

A drip field of approximately 1,333 square feet with 660 lineal feet of drip tubing is provided.

The area of the existing standard septic system will be allowed to dry out, planted with vegetation, and utilized for future reserve area. This area is approximately 1,300 sf. This results in a reserve area application rate of 0.77 gpd/sf which is slightly higher than the estimated soil application rate, but is still within the approximate sizing for the existing standard system.

Drip tubing shall have 1 gph emitters spaced every two feet with drip tubing installed 12 inches deep with two foot spacing. A flushing return line will be provided to return solids to the septic tank during flushing operations.

09533 Rudd_Dean & DeLuca Subsurface Drips System Calculations July 22, 2009 Revised: August 20, 2009



Recirculation and Sump Pump Sizing and Selection

The new sump tank is 3,000 gallons, which is approximately 2.6 times the design flow. One day's retention is not provided above the high-water alarm in case of power outage, because without power, the recirculation pumps cannot operate and there is no way to transfer water into the sump tank. However, duplex pump systems are provided for redundancy in both the sump tank and at the recirculation tank. Additional surge volume for power outages is provided above the operating zone within the 5,000 gallon septic/recirculation tank. In addition, if a power outage occurs, the market will likely have to cease operations, thus ceasing water use and wastewater generation. As a last result, in the event of a problem, the septic tanks can be pumped.

The duplex recirculation pumps shall be Orenco Systems, Inc. model PF751512 high head effluent pumps. This pump has been selected because 3 AX20 pods will be dosed at the same time. In addition, there is space for 3 additional AX20 pods, should they be needed in the future.

Pump calculations for the subsurface drip dispersal system are provided on the attached spreadsheet. The pump selected is Orenco Systems, Inc. High Head Effluent Pump Model P300511, 115 V, single phase high head effluent pump. The pump dose shall be 47 gallons. Pump control panel timer and operation settings are provided in the attached spreadsheets and the attached control panel description.

Napa Valley Museum Wastewater Feasibility Study APN: 027-150-001

3/7/2024

Summary of Average Daily Flows from Existing Monitoring Reports for Gary's Market

| Date | Average Daily Flow (gpd) |
|--|--------------------------|
| 6/23/2023 | 899.22 |
| 12/12/2022 | 714.55 |
| 6/17/2022 | 715.42 |
| 12/15/2021 | 909.76 |
| 3/26/2021 | 312.85 |
| 12/11/2020 | 396.2 |
| 6/5/2020 | 575.82 |
| 12/19/2019 | 425.71 |
| 6/13/2019 | 739.76 |
| | |
| Average daily flow for the past year | 899.22 |
| Average daily flow for the past two years | 776.40 |
| Average daily flow for the past five years | 632.14 |
| | |
| Peak daily flow for the past five years | 909.76 |

STATE OF CALIFORNIA

DEPARTMENT OF VETERANS AFFAIRS

VETERANS HOME OF CALIFORNIA, YOUNTVILLE PLANT OPERATIONS 190 CALIFORNIA DRIVE YOUNTVILLE, CALIFORNIA 94599 Telephone: (707) 944-4800 Fax: (707) 944-4819

September 1, 2023

Department of Veterans Affairs Veterans Home of Yountville – Accounting P.O. Box 942895 Sacramento, CA. 94295-0001

The following is the potable water usage and billing for the Napa Valley Museum. Please submit a bill to them based on the information listed below.

ANNUAL WATER INVOICE

| | | Water Usage from | July 1, 2022 thru Ju | ne 30, 20 | 23 | | | |
|----------------|-------------|------------------|----------------------|-----------|------|----------|-------|--------|
| Service Date | Location | Prior Meter Read | Current Meter Read | Usage | Cost | | Total | |
| 7/1/22-6/30/23 | Museum East | 115 | 128 | 0.0399 | \$ | 2,013.63 | \$ | 80.33 |
| 7/1/22-6/30/23 | Museum West | 3605 | 3689 | 0.2578 | \$ | 2,013.63 | \$ | 519.09 |
| TOTAL | | | | 0.2977 | | | \$ | 599.42 |

Please remit bill to: N

Napa Valley Museum 55 Presidents Circle Yountville, CA 94599

Jeremy Kirk 6

Direct Construction Supervisor II

Veterans Home of California, Yountville