Los Angeles Regional Water Quality Control Board

December 13, 2021

Mr. Daniel Frattali
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GENERAL WASTE DISCHARGE REQUIREMENTS FOR AN ADVANCED ONSITE WASTEWATER TREATMENT SYSTEM AT 3375 MANDEVILLE CANYON ROAD, LOS ANGELES, CALIFORNIA 90049 (FILE NO. 20-129, WDR ORDER NO. R4-2019-0024, SERIES NO. 022, CI-10604, GLOBAL ID WDR100053288)

Dear Mr. Frattali:

The Los Angeles Regional Water Quality Control Board (Regional Water Board) is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses of water within major portions of Los Angeles and Ventura Counties. The subject property is within the Regional Water Board jurisdiction.

SUMMARY OF TECHNICAL REPORTS

On December 14, 2020, the Los Angeles Regional Water Quality Control Board (Regional Water Board) received an application for Waste Discharge Requirements (WDRs) submitted by Non Sono Qui Trust c/o Mr. Daniel Frattali (Discharger). The Discharger proposes to install an advanced onsite wastewater treatment system (AOWTS) to treat wastewater at the 3375 Mandeville Canyon Residence (Site), located at 3375 Mandeville Canyon Road, Los Angeles, California 90049 (Figure 1).

The project includes the construction of three new structures: a main house, a guest house, and a pool house, and the installation of an AOWTS on a 317,981 square foot vacant lot. The Site will discharge domestic wastewater from the three houses with a total of three master bedrooms and five bedrooms. The AOWTS will treat the wastewater generated from the residence and the treated wastewater will be discharged to two seepage pits and two future expansion seepage pits (Figure 2).

The proposed advanced OWTS consists of a 7,540-gallon bioreactor tank, an effluent filter, and ultraviolet (UV) disinfection unit (Figure 3). The seepage pits are 6 feet in diameter and 30 feet in effective depth with additional 10-foot capping depth, and hence, the bottom of seepage pits is 40 feet below ground surface (bgs). The treatment design

flow capacity of the AOWTS is 2,500 gallons per day (gpd). The estimated flow is 1,200 gpd (8 bedrooms x 150 gpd per bedroom). The maximum daily discharge volume shall not exceed 2,500 gpd.

Results of the percolation test performed on June 3, 2020 indicated that the wastewater dispersal capacity is between 8,250 and 10,590 gallons per day, which is greater than 5.12 gallons per square feet per day (gal/sq. ft./day). The City of Los Angeles requires that OWTS cases that have a percolation greater than 5.12 gal/sq.ft./day shall be required to install an AOWTS and shall be referred to the Los Angeles Regional Water Quality Control Board for WDRs.

Summary of Regional Water Board Review and Requirements

You are required to obtain WDRs because the geological conditions at the Site cannot be covered by the Conditional Waiver of Waste Discharge Requirements stated in the *Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems* (OWTS Policy), adopted by the State Water Resources Control Board on June 19, 2012 and amended on April 17, 2018.

Regional Water Board staff has reviewed the information provided and has determined that the proposed discharge meets the conditions specified in General WDRs Order No. R4-2019-0024, *General Waste Discharge Requirements for Advanced Wastewater Treatment Systems*, adopted by the Regional Water Board on February 14, 2019.

Enclosed are your General WDRs, consisting of Order No. R4-2019-0024, Monitoring and Reporting Program (MRP) No. CI-10604, and Standard Provisions Applicable to WDRs (Attachment E of the Order). Based on the location of the Site and anticipated performance of the proposed AOWTS, the requirements specified in Order No. R4-2019-0024, including effluent quality limitations specified in Section III and numeric limitations in Table 2, are applicable to your discharge. At this time, the groundwater limitations specified in Section IV.B (Table 4) are not applicable to your discharge, and therefore, groundwater monitoring is not required.

The Site is located in the Coastal Plain of Los Angeles-Santa Monica Basin (Basin). Consistent with Table 2 of the Order, the effluent limitation for total dissolved solids is 1,000 milligrams per liter (mg/L), for sulfate is 250 mg/L, for chloride is 200 mg/L, for boron is 0.5 mg/L, and for nitrogen is 10 mg/L as nitrate-nitrogen plus nitrite-nitrogen based on the groundwater quality objectives for the Santa Monica Subbasin. The AOWTS to be installed at the Site is a secondary activated sludge treatment system. Therefore, total coliform in the effluent shall not exceed 23 and 240 MPN/100 mL for monthly average and weekly average, respectively. In addition, since there is no chlorination in the process, effluent limitations for total residual chlorine and chlorination by-product limitations specified in Section III.C.3 are not applicable.

Should changes affecting the operation of the wastewater treatment system at the Site be needed, revised engineering drawings showing the change must be filed with the Regional Water Board a minimum of thirty days prior to the change. You must receive approval from the Regional Water Board prior to making any changes to the Site.

The MRP requires you to implement the monitoring program on the effective date of coverage under this permit. When submitting monitoring or technical reports to the Regional Water Board per these requirements, please include a reference to "Compliance File No. CI-10602", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

You shall comply with the Electronic Submittal of Information (ESI) requirements by submitting all reports required under the MRP, including monthly water usage, and pdf format monitoring reports to the State Water Resources Control Board GeoTracker database under Global ID WDR100053288.

Please see Paperless Office Notice for GeoTracker Users, dated December 21, 2011 for further details at:
http://www.waterboards.ca.gov/losangeles/resources/Paperless/Paperless%20Office%20for%20GT%20Users.pdf

You must discontinue use of the AOWTS and connect to the sanitary sewer service within 12 months of sewer availability within 200 feet of the property served by the AOWTS.

Should you sell or transfer this property, you are required to disclose the terms of the waste discharge requirements to the new property owner and submit the enclosed Board Order Transfer Request Form signed by the new owner with your written request for termination of enrollment under the General WDRs.

To avoid paying future annual fees, please submit a written request for termination of your enrollment under the General WDRs in a separate letter if your Site is connected to a sewer system and the permit is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

If you have any additional questions, please contact the Project Manager, Dr. Woonhoe Kim, at woonhoe.kim@waterboards.ca.gov or the Chief of Groundwater Permitting Unit, Dr. James Kang, at jim.kang@waterboards.ca.gov.

Sincerely,

R Purdy

Digitally signed by R Purdy
Date: 2021.12.03 15:55:40 -08'00'

Renee Purdy
Executive Officer

Enclosures:

1. General WDR Waste Discharge Requirements Order No. R4-2019-0024 with the Standard Provisions Applicable to WDRs are available at the Regional Water Board website: https://www.waterboards.ca.gov/losangeles/board_decisions/adopted_orders/index.html#2
2. Monitoring and Reporting Program No. CI-10604
3. Board Order Transfer Request Form
4. Figure 1. Location of the 3375 Mandeville Canyon Residence
5. Figure 2. Site Plan of the Single-Family Residence and Advanced Onsite Wastewater Treatment System
6. Figure 3. Advanced Onsite Wastewater Treatment System Cross Section

cc (via email): Mr. John Yaroslaski, Ensitu Engineering, Inc., jyaroslaski@ensitu.com
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Mr. Dan Ryan Evangelista, City of Los Angeles Department of Building and Safety, dan.evangelista@lacity.org
Ms. Isabella Kowk, Los Angeles County Department of Public Health, ikowk@ph.lacounty.gov

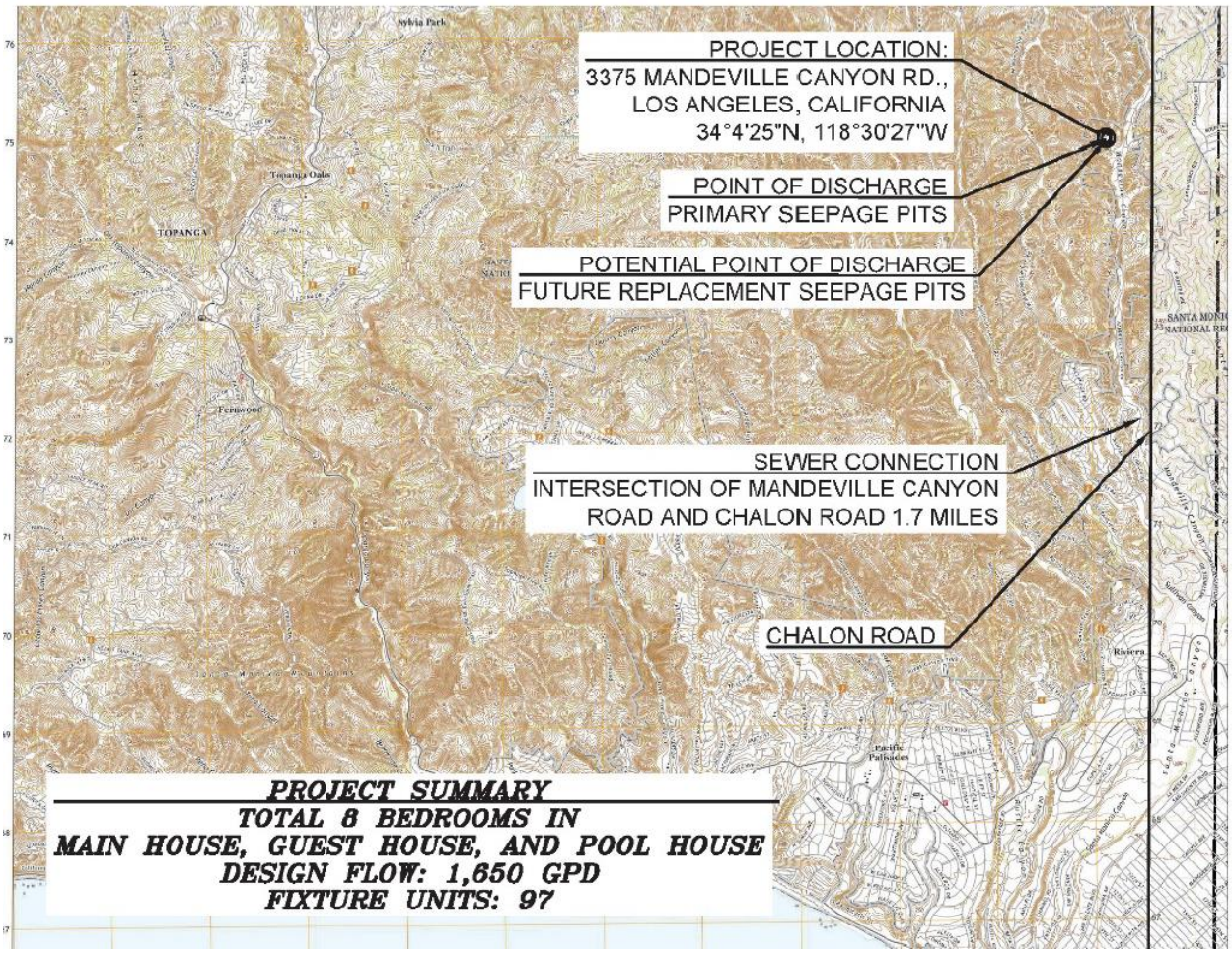

Figure 1. Location of the 3375 Mandeville Canyon Residence

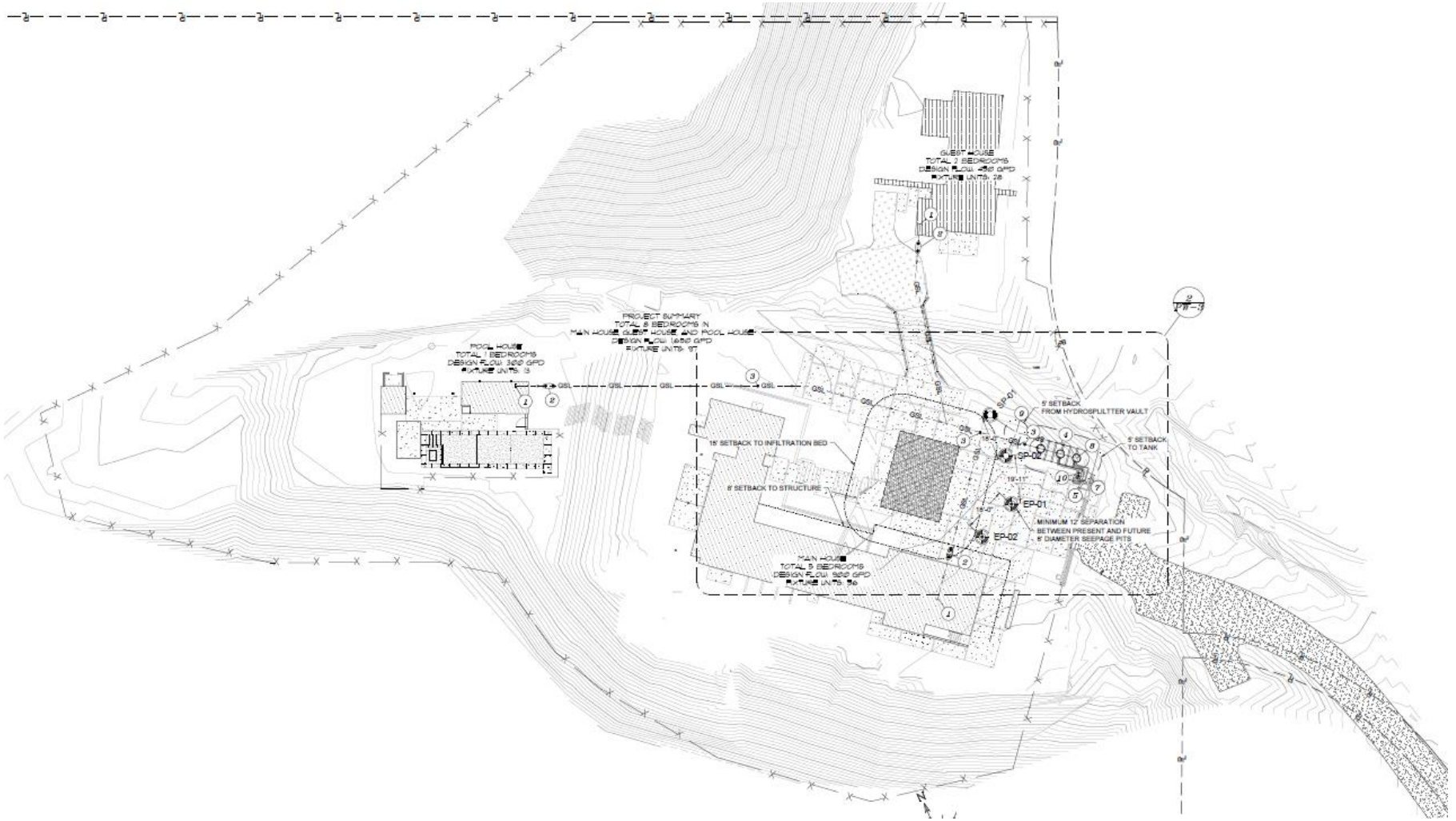

Figure 2. Site Plan of the Single-Family Residence and Advanced Onsite Wastewater Treatment System

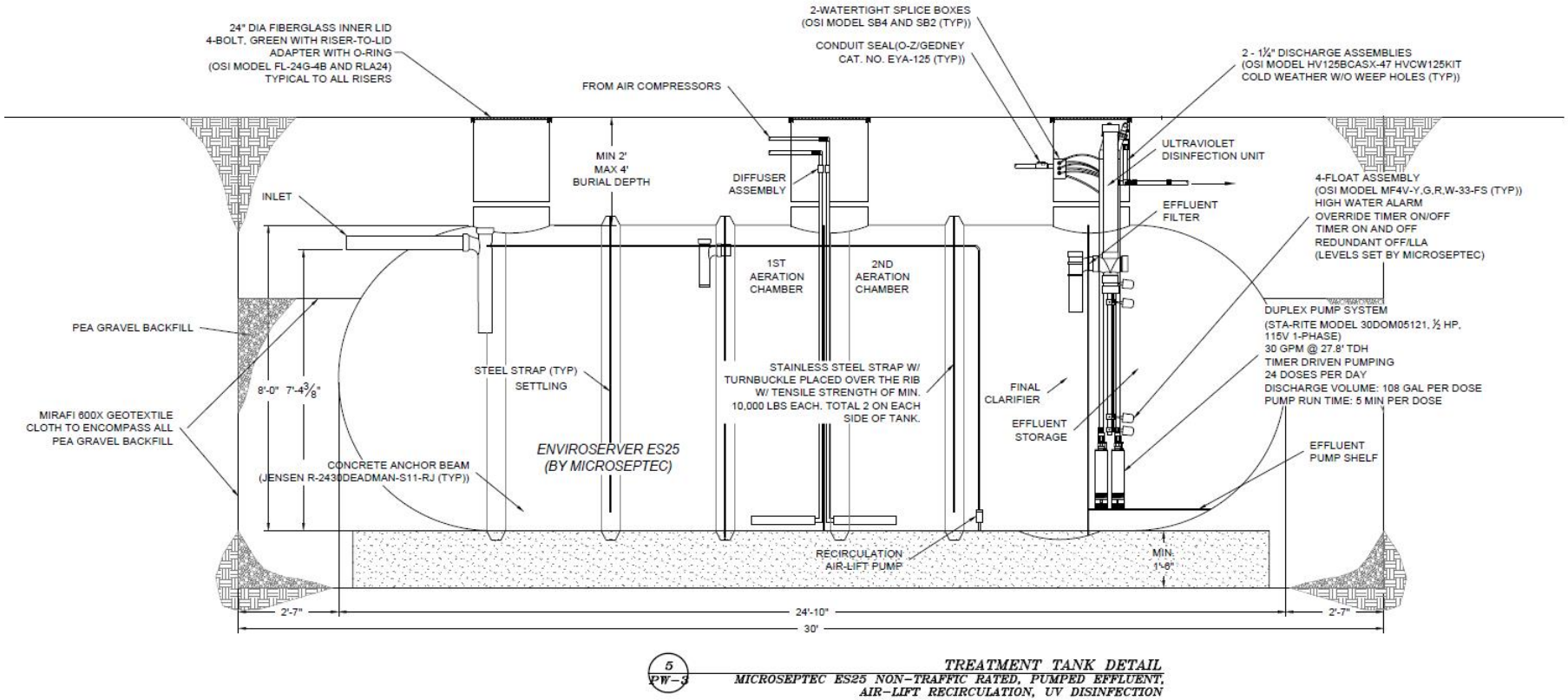

Figure 3. Advanced Onsite Wastewater Treatment System Cross Section