
Los Angeles Regional Water Quality Control Board

October 25, 2021

Mr. Paul Nelson
2153 North Upper Kress Street
Los Angeles, CA 90046
pnelson@mosaicla.com

GENERAL WASTE DISCHARGE REQUIREMENTS FOR ADVANCED WASTEWATER TREATMENT SYSTEMS – 2153 NORTH UPPER KRESS ST. PRIVATE RESIDENCE AT 2153 NORTH UPPER KRESS STREET, LOS ANGELES, CALIFORNIA 90046 (FILE NO. 21-030, WDR ORDER NO. R4-2019-0024, SERIES NO. 024, CI No. 10607, GLOBAL ID WDR100053609)

Dear Mr. Nelson:

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 March 16, 2021, the Regional Water Board received an application for Waste Discharge Requirements (WDRs) submitted by Mr. Paul Nelson (Discharger). The Discharger proposes to install an advanced onsite wastewater treatment system (advanced OWTS) to treat wastewater at the 2153 North Upper Kress Street Private Residence (Site) located at 2153 North Upper Kress Street, Los Angeles, California 90046 (Figure 1).

The property is a 25,848-square foot lot with an existing 4-bedroom, single-story house connected to a 1,000-gallon conventional septic tank with seepage pit that is 5-foot diameter and 20 feet deep. The existing septic tank and seepage pit is classified as Tier 0 under the California State OWTS Policy and not the subject of these WDRs. The Discharger is proposing construction of a 2-bedroom accessory dwelling unit (ADU) with a new advanced OWTS and seepage pit. (Figure 2).

The new advanced OWTS will consist of a Jet J-500 PLT Tank consisting of a 468-gallon anoxic pretreatment chamber, a 654-gallon aerated treatment chamber, and a 220-gallon settling chamber. The Jet J-500 PLT Tank is certified under NSF/ANSI Standard 40 with a 500-gallon per day (gpd) treatment capacity (Figure 3). The advanced OWTS will be installed 5 feet east of the ADU, between the ADU and the existing house. A 5-foot

LAWRENCE YEE, CHAIR | RENEE PURDY, EXECUTIVE OFFICER

diameter, 35-foot deep seepage pit will be installed 11 feet east of the garage, underneath the driveway and fitted with a traffic rated cap (Figure 4 and 5).

The estimated maximum discharge volume to the proposed new advanced OWTS is 300 gpd (2 bedrooms x 150 gpd per bedroom). The maximum daily discharge volume shall not exceed 500 gpd based on the treatment capacity.

Results of percolation tests recorded on January 23, 2020 indicated percolation rates at the subject site exceeded 15.7 to 18.8 gallons per square foot per day (gals/sq. ft./day). The City of Los Angeles requires that any OWTS cases that have a percolation rate greater than 5.12 gals/sq. ft./day be referred to the Regional Water Board for General 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 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-10607, and Standard Provisions Applicable to WDRs (Attachment E of the Order). Based on the location of the Site and anticipated performance of the proposed advanced OWTS, the requirements specified in Order No. R4-2019-0024, including effluent quality limitations specified in Section III and numeric limitations in Table 2 of the Order, are applicable to your discharge. At this time, the groundwater limitations specified in Section IV.B (Table 4) of the Order are not applicable to your discharge and groundwater monitoring is not required.

The Site discharges to the Coastal Plain of Los Angeles Groundwater Basin – Hollywood subbasin (Basin). Consistent with Table 2 of the Order, the effluent limitation for total dissolved solids is 750 milligrams per liter (mg/L), for sulfate is 100 mg/L, for chloride is 100 mg/L, for boron is 1.0 mg/L, and for Nitrogen is 10 mg/L as nitrate-nitrogen plus nitrite-nitrogen based on the groundwater quality objectives for the Basin. The advanced OWTS at the Site is defined as a secondary treatment system. Therefore, total coliform in the effluent shall not exceed 23 and 240 MPN/100 mL for monthly average and weekly average, respectively. Since there is no filtration system, turbidity limitations in Section III.B are not applicable. In addition, 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 changes 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-10607", 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 WDR100053609.

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 advanced OWTS and connect to the sanitary sewer service within 12 months of sewer availability within 200 feet of the property served by the advanced OWTS.

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, Mr. Ryan Nickerson at (213) 620-6119 (ryan.nickerson@waterboards.ca.gov) or the Chief of Groundwater Permitting Unit, Dr. James Kang, P.E. at (213) 576-6683 (jim.kang@waterboards.ca.gov).

Sincerely,

Renee Purdy
Executive Officer

Enclosures:

1. General 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-10607
3. Board Order Transfer Request Form
4. Figure 1 - Location of 2153 Upper Kress Street – Private Residence
5. Figure 2 - Proposed floor plan for ADU
6. Figure 3 - Basic design of Jet J-500 PLT advanced OWTS
7. Figure 4 - Site plan showing location of proposed ADU and advanced OWTS
8. Figure 5 - Profile view of site, showing relative elevations of proposed ADU, advanced OWTS, and seepage pit

cc (via email): Mr. Steven B. Miller, CEG, Miller Geosciences,
millergeosciences@gmail.com
Mr. Dan Ryan Evangelista, City of Los Angeles Department of Building and Safety, dan.evangelista@lacity.org
Mr. Fahrudin (Dean) Zulcic, Los Angeles County Department of Public Health, fzulcic@ph.lacounty.gov

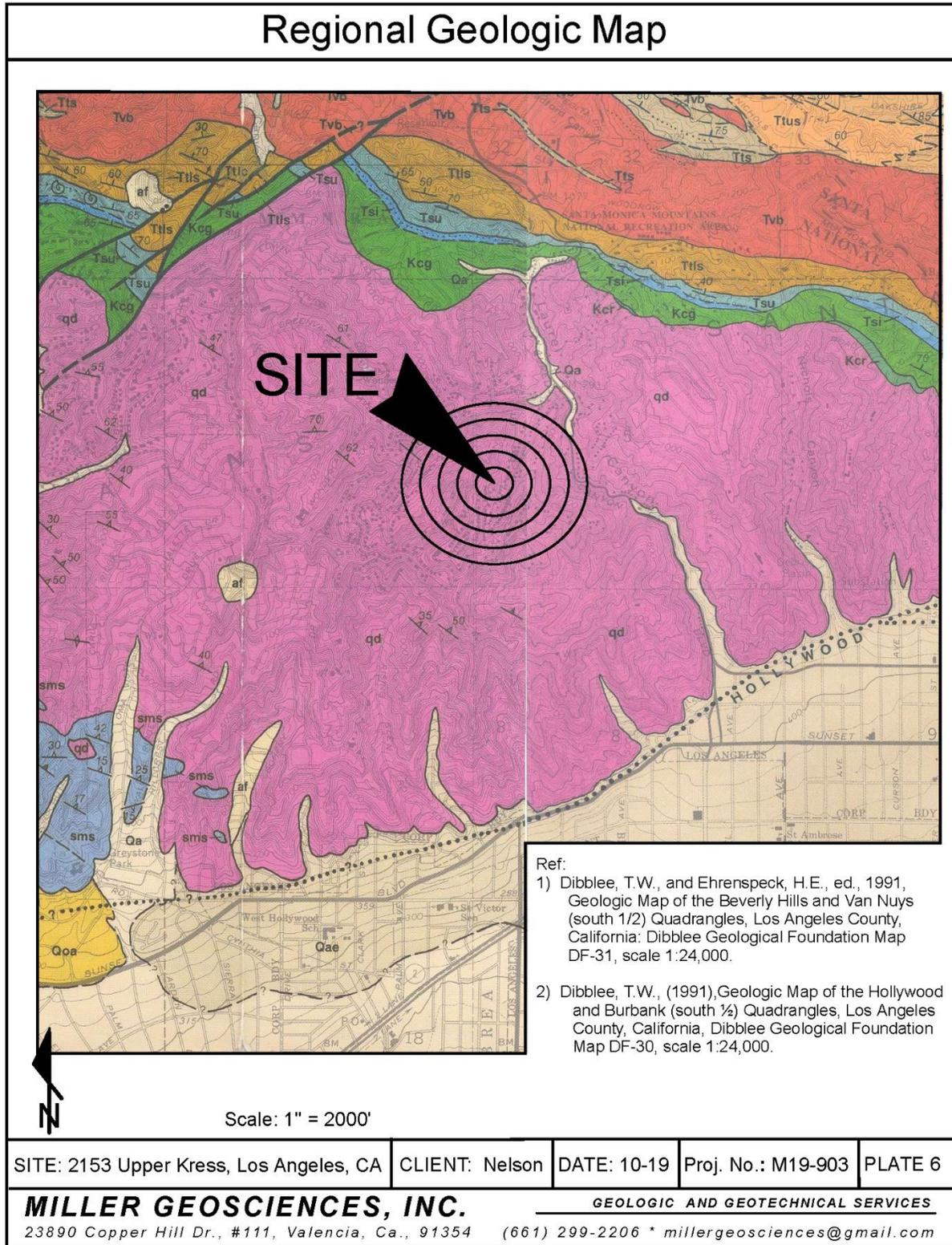
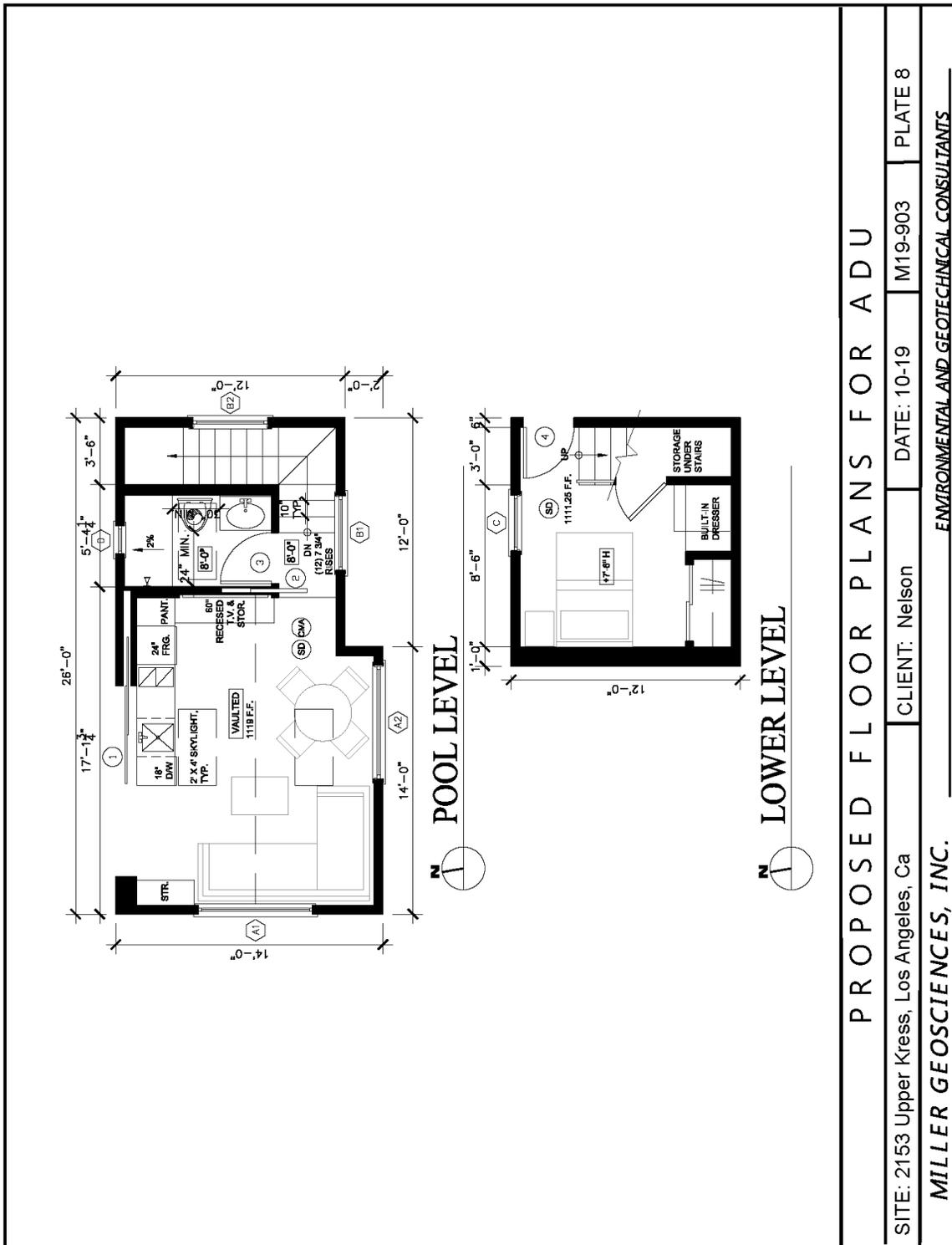


Figure 1: Location of 2153 Upper Kress Street – Private Residence.



PROPOSED FLOOR PLANS FOR ADU

SITE: 2153 Upper Kress, Los Angeles, Ca	CLIENT: Nelson	DATE: 10-19	M19-903	PLATE 8
MILLER GEOSCIENCES, INC. ENVIRONMENTAL AND GEOTECHNICAL CONSULTANTS				

Figure 2: Proposed floor plan for ADU.

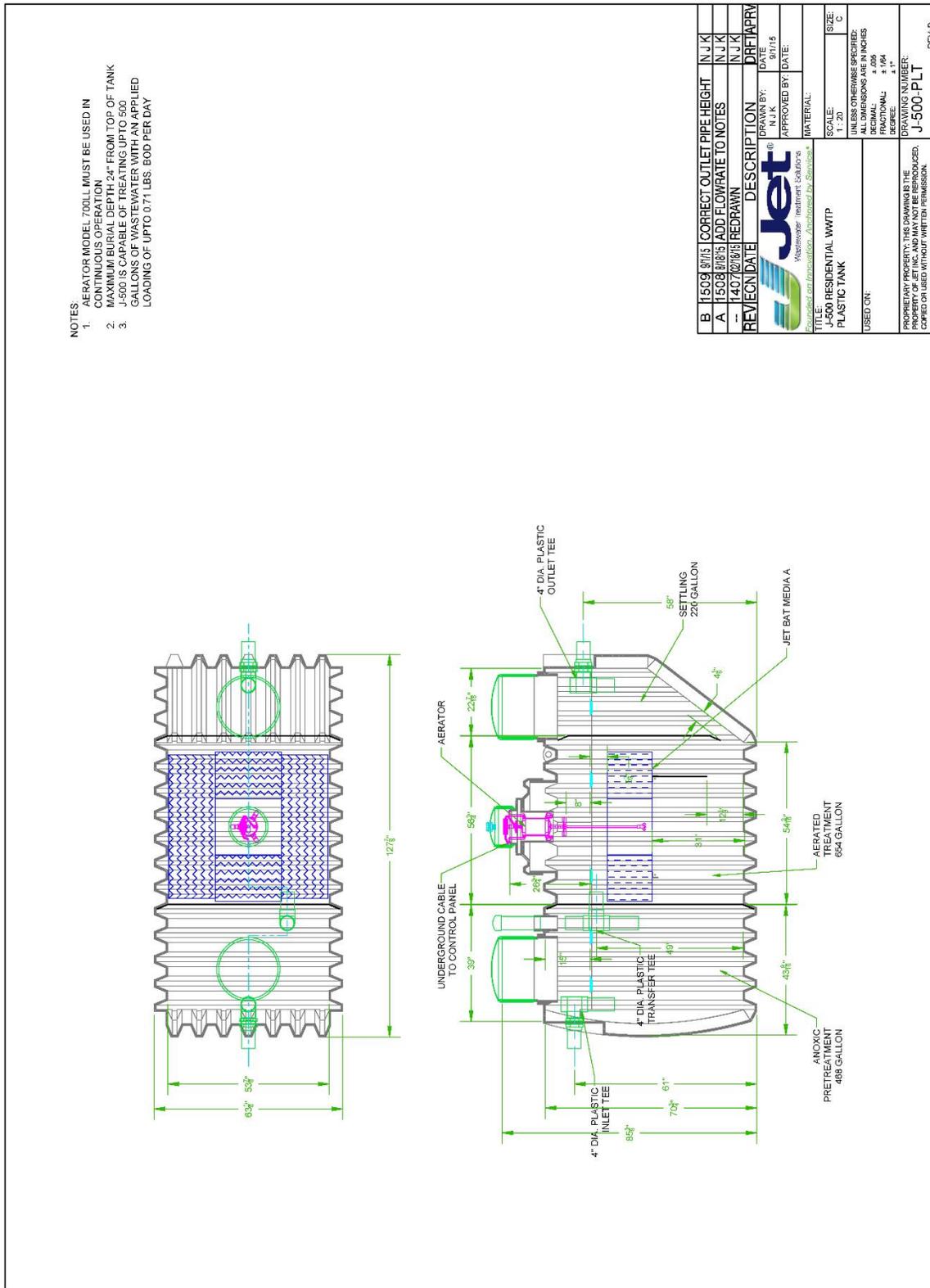


Figure 3: Basic design of Jet J-500 PLT advanced OWTS.

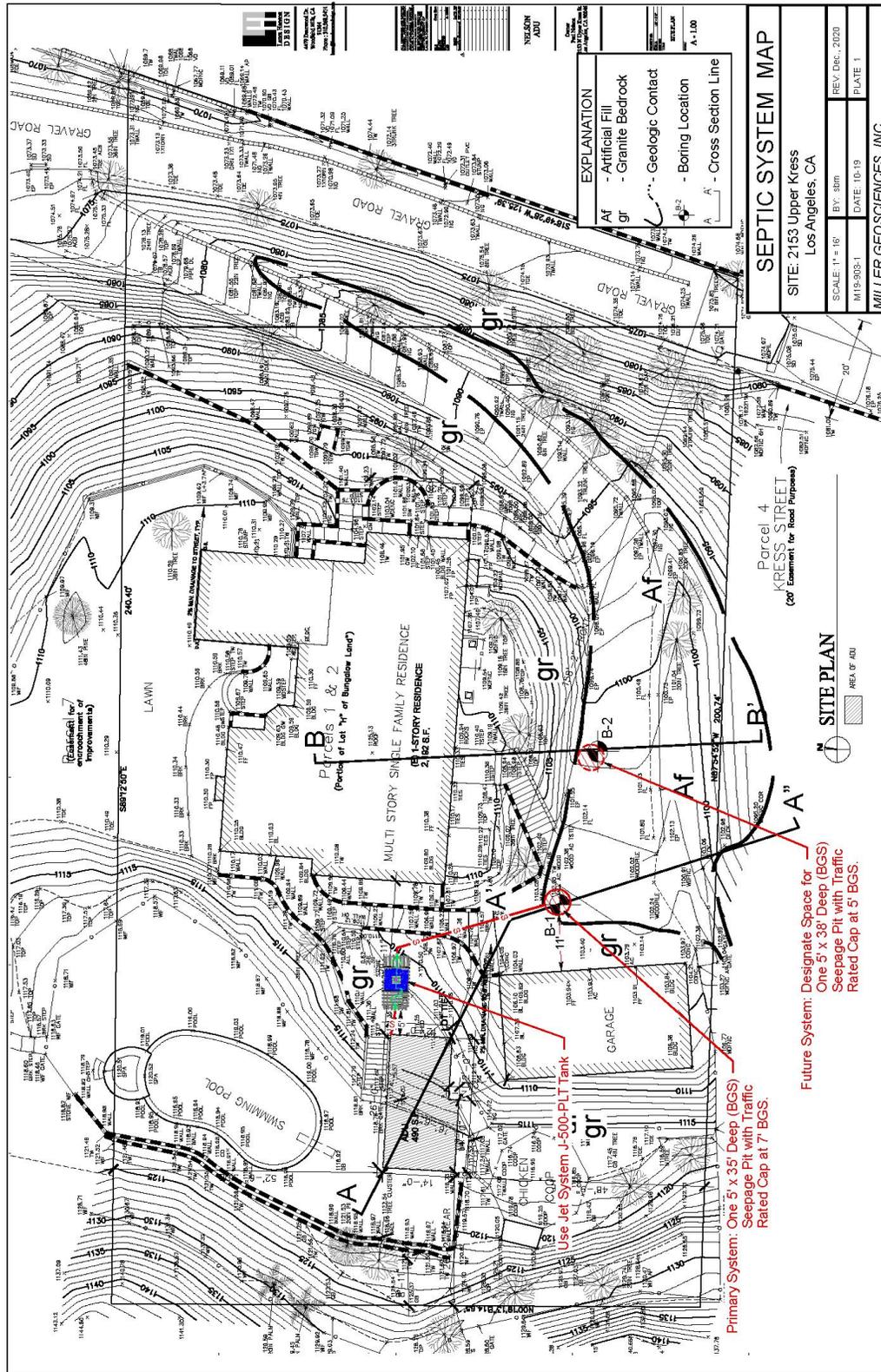


Figure 4: Site plan showing location of proposed ADU and advanced OWTS.

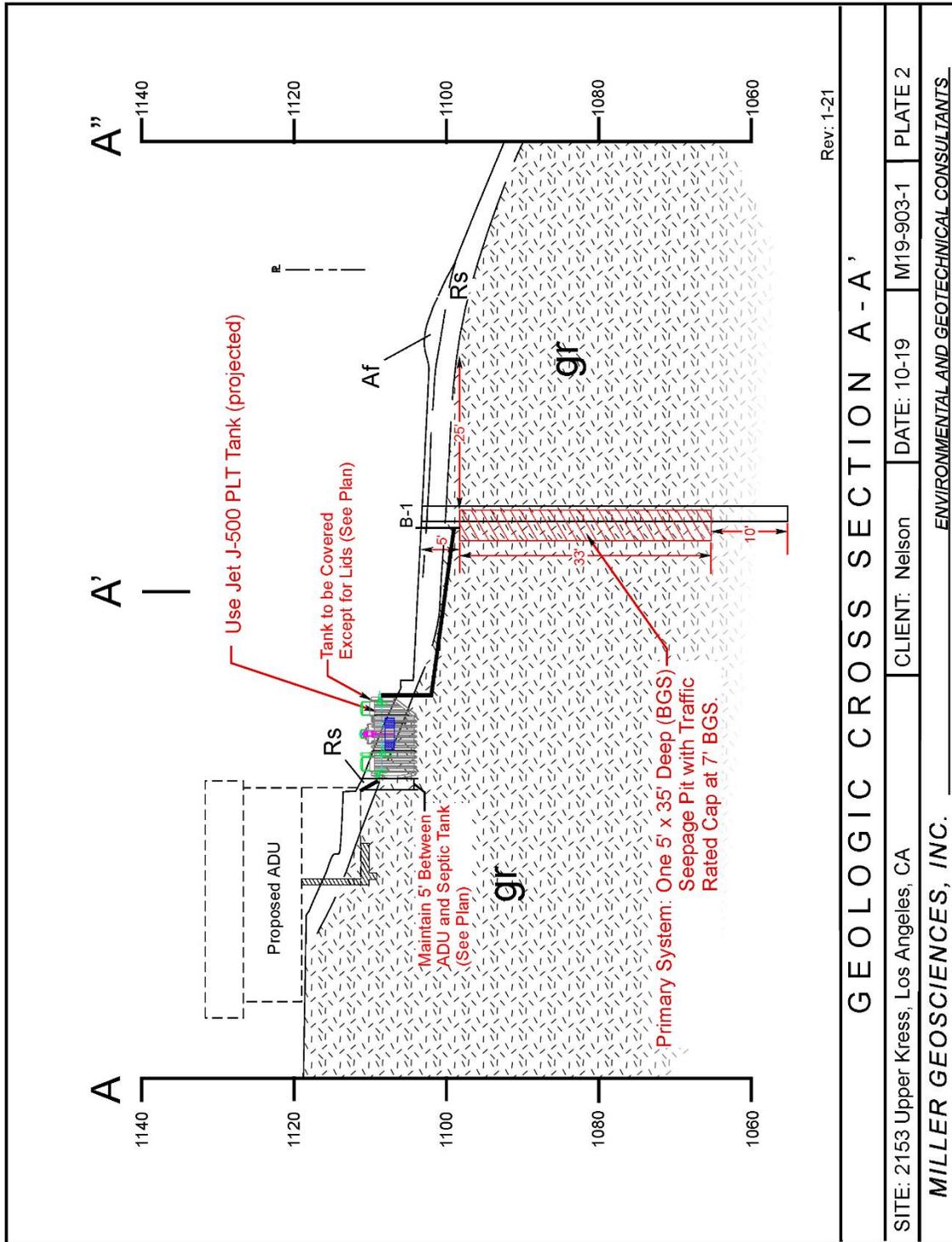


Figure 5: Profile view of site, showing relative elevations of proposed ADU, advanced OWTS, and seepage pit.