



Los Angeles Regional Water Quality Control Board

February 28, 2022

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GENERAL WASTE DISCHARGE REQUIREMENTS FOR AN ADVANCED ONSITE WASTEWATER TREATMENT SYSTEMS AT A SINGLE FAMILY HOUSE LOCATED AT 1341 CLIFF DRIVE, LOS ANGELES, CALIFORNIA 90065 (FILE NO. 21-001, WDR ORDER NO. R4-2019-0024, SERIES NO. 025, CI NO. 10614, GLOBAL ID WDR100053336)

Dear Rick and Drew Baker:

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 January 5, 2021, the Regional Water Board received your application for Waste Discharge Requirements (WDRs). On March 31, 2021, you submitted a Supplemental Treatment Design to the Regional Water Board. You propose to install an advanced onsite wastewater treatment system (Advanced OWTS) to treat wastewater at a single family house to be located at 1341 Cliff Drive, Los Angeles, California 90065 (Site), as shown in Figure 1.

The property is a narrow 6,986-square foot, steep and rocky vacant lot, oriented approximately northeast to southwest. According to your application, you propose to construct a 2-story, 4-bedroom, single-family house notched into the hillside with a new Advanced OWTS and seepage pit, as shown in Figure 2.

The new Advanced OWTS (Model Jet J-750 CF) will consist of a 456-gallon pretreatment chamber, a 582-gallon aerated treatment chamber, a 114-gallon settling chamber, and an effluent filter (Zabel A300 8x18). The proposed Advanced OWTS, as shown in Figure 3, is certified under NSF/ANSI Standard 245 with a 750-gallon per day (gpd) treatment capacity. The Advanced OWTS will be installed 5 feet southeast of the proposed house, immediately next to Cliff Drive. The Advanced OWTS will be covered by a traffic-rated structural slab to protect it from traffic damage because, per construction permit

LAWRENCE YEE, CHAIR | RENEE PURDY, EXECUTIVE OFFICER

requirements, the City of Los Angeles requires you to expand Cliff Drive to 2 car-widths along the property. Due to the hillside topography of the lot, a 1,200-gallon Jensen traffic rated Pump Basin with duplexed high-head pumps will be installed approximately 15 feet northeast of the Advanced OWTS, also along Cliff Drive. A 5-foot diameter, 30-foot deep seepage pit will be installed in the northeast end of the lot in a relatively flat area along the property line (Figures 2 and 4). The seepage pit will be roughly 15 feet from the edge of the road and will not be fitted with a traffic rated cap.

The estimated maximum discharge volume to the proposed new advanced OWTS is 600 gpd (4 bedrooms x 150 gpd per bedroom). The maximum daily discharge volume shall not exceed 750 gpd based on the treatment capacity.

Results of percolation tests recorded on March 14, 2020 indicated percolation rates at the subject site exceeded 16 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.

Regional Water Board Review Comments and Requirements

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-10614, 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 San Fernando Valley Groundwater Basin–Narrows Area subbasin (Basin). Consistent with Table 2 of the Order, the effluent limitation for total dissolved solids is 900 milligrams per liter (mg/L), for sulfate is 300 mg/L, for chloride is 150 mg/L, for boron is 1.5 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 tertiary treatment system. Therefore, total coliform in the effluent shall not exceed 2.2 and 23 MPN/100 mL for weekly average and monthly average, respectively. Since there is a filtration system, turbidity limitations in Section III.B are 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 30 days prior to the change. You must receive approval from the Regional Water Board prior to making any changes to the Site.

The MRP No. CI-10614 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 MRP requirements, please include a reference to "Compliance File No. 21-001", 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 WDR100053336.

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>

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-10614
3. Board Order Transfer Request Form
4. Figure 1 - Location of 1341 Cliff Drive
5. Figure 2 - Site Diagram showing location of house and treatment system components
6. Figure 3 - Basic design of Jet J-750 CF Advanced OWTS
7. Figure 4 - Design of seepage pit for effluent disposal

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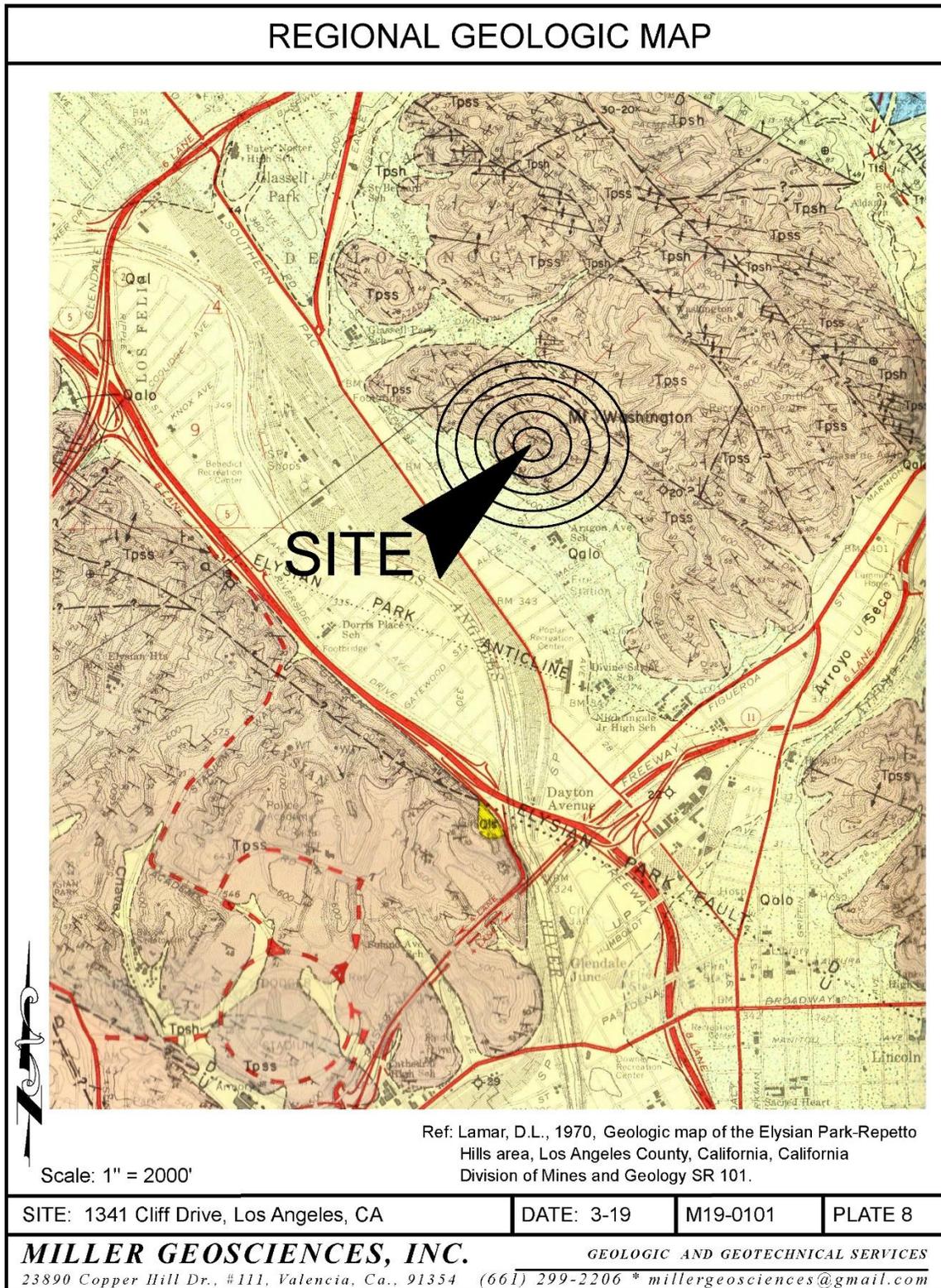


Figure 1. Location of 1341 Cliff Drive.

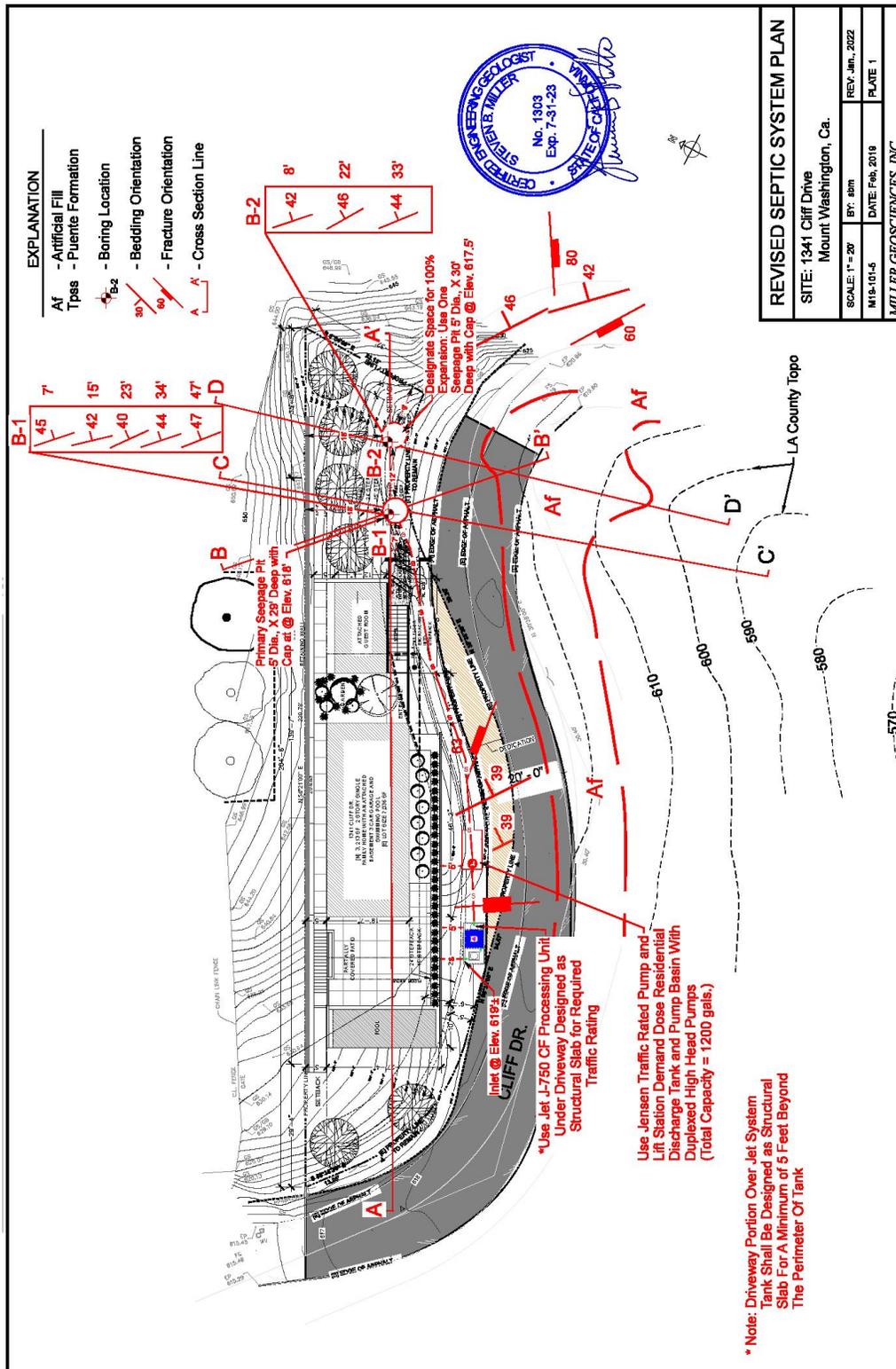


Figure 2. Site Diagram showing location of house and treatment system components.

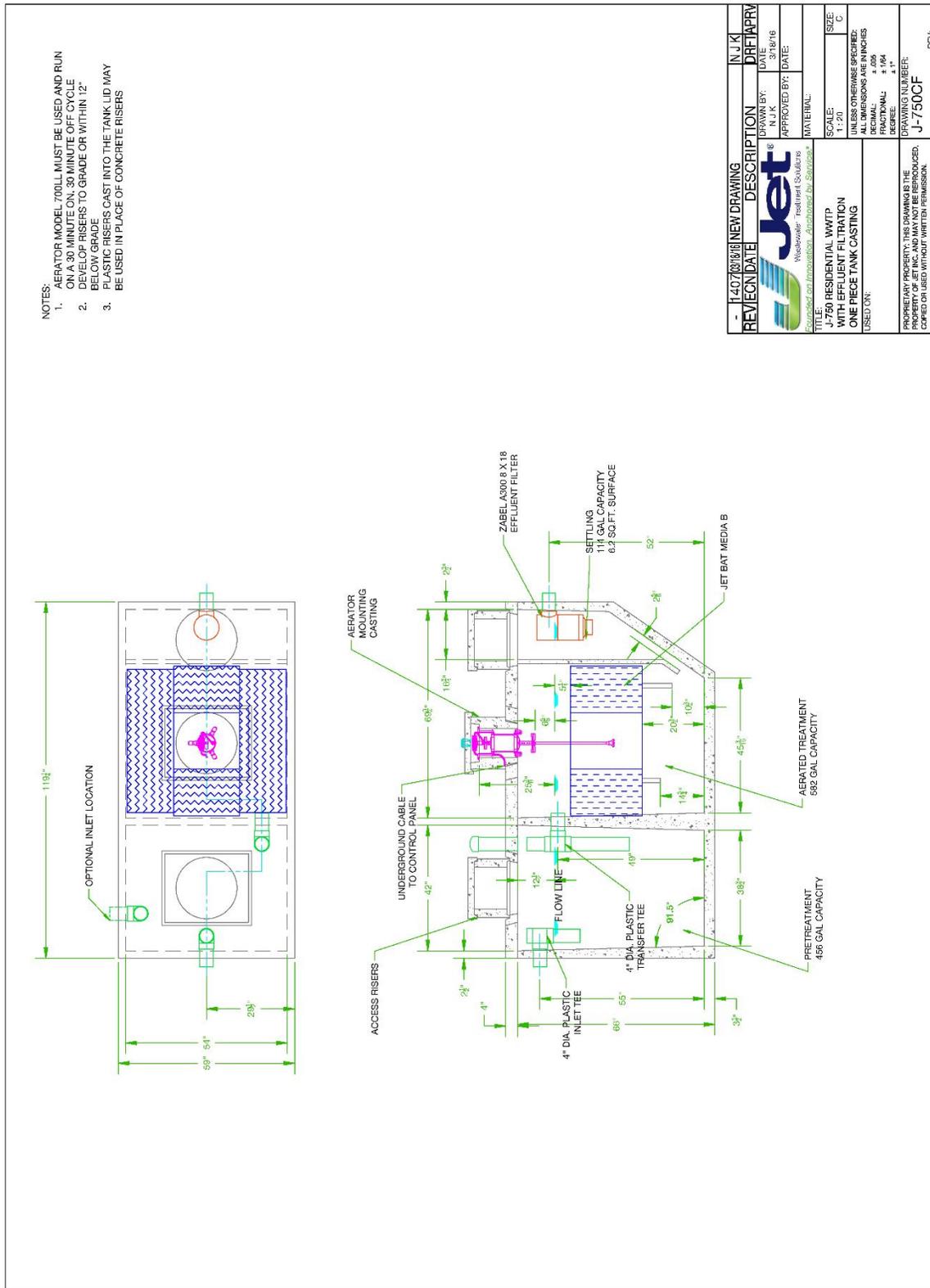


Figure 3. Basic design of Jet J-750 CF Advanced OWTS.

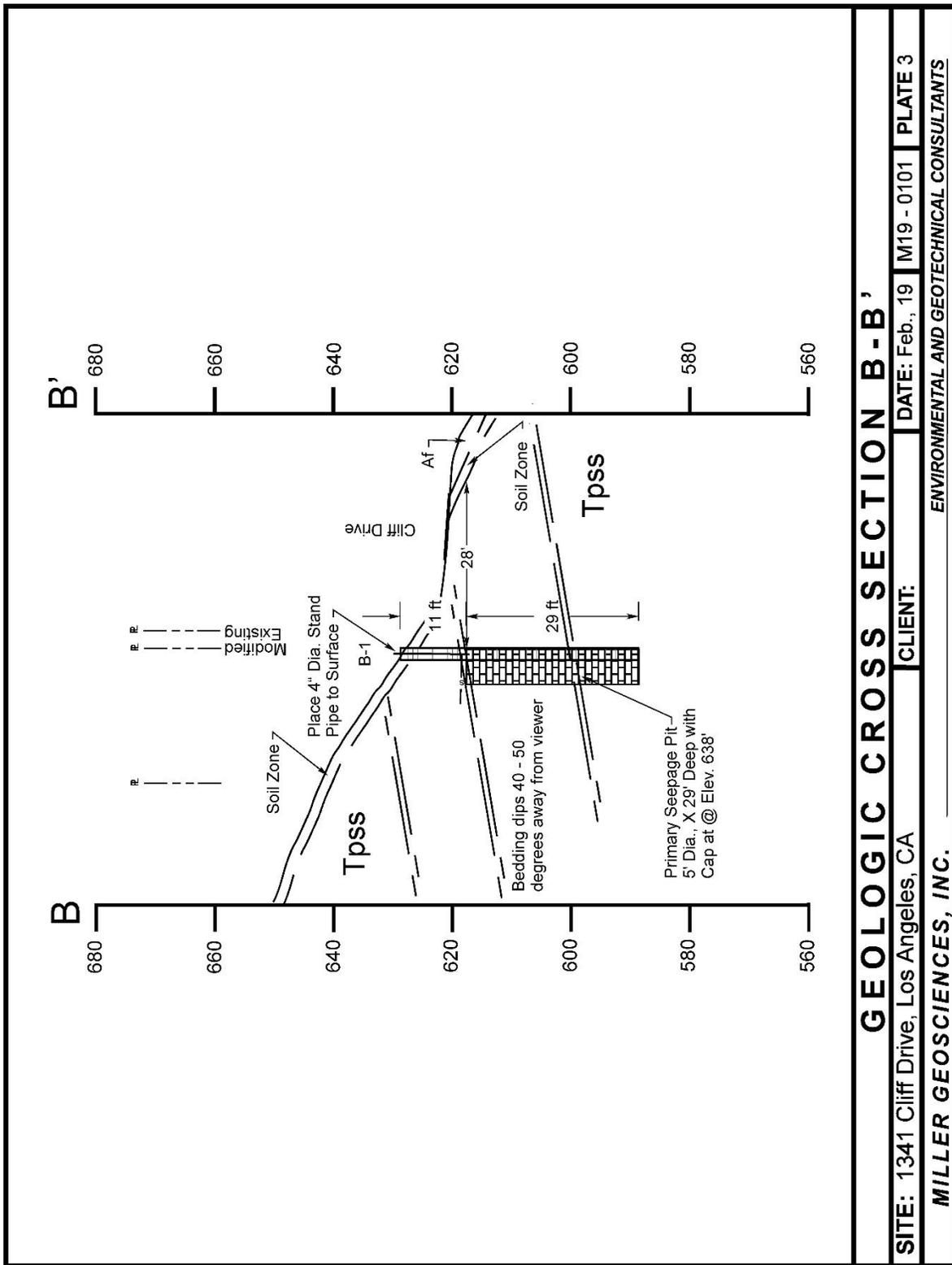


Figure 4. Design of seepage pit for effluent disposal.