

REPORT OF SITE ASSESSMENT ACTIVITIES

RINCON ONSHORE FACILITY STATE LEASE NO. PRC 410 RINCON OIL FIELD VENTURA COUNTY, CALIFORNIA

Prepared for:

CALIFORNIA STATE LANDS COMMISSION

December 2021



ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

December 22, 2021
Project No. 2002-7861

California State Lands Commission
100 Howe Avenue, Suite 100 South
Sacramento, California 95825-8202

Attention: Ms. Cynthia Herzog
Senior Environmental Scientist

Subject: Report of Site Assessment Activities, Rincon Onshore Facility, State Lease No. PRC 410, Rincon Oil Field, Ventura County, California

Dear Ms. Herzog:

Padre Associates, Inc. (Padre), at the request of the California State Lands Commission (CSLC), has prepared this Report of Site Assessment Activities as part of facility decommissioning and restoration activities completed at the Rincon Onshore Facility, State Lease No. PRC 410, Rincon Oil Field, Ventura County, California. This report has been prepared to document the soil and groundwater assessment activities completed at the Project Site during the period from August 26, 2019 through November 1, 2021.

Padre appreciates the opportunity to assist CSLC with this project. If you have any questions or comments, please contact Mr. Ryan Zukor at (805) 644-2220 or rzukor@padreinc.com.

Sincerely,
PADRE ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Ryan M. Zukor", is written over the typed name.

Ryan M. Zukor, P.G.
Principal

A handwritten signature in blue ink, appearing to read "Jerome K. Summerlin", is written over the typed name.

Jerome K. Summerlin, C.E.G., C.Hg.
President

JKS:RMZ:av

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1.0 INTRODUCTION

Padre Associates, Inc. (Padre) has prepared this Report of Site Assessment Activities to document the results of soil and groundwater assessment activities completed at the California State Lands Commission Property referred to as the Rincon Onshore Facility, State Lease No. PRC 410, Rincon Oil Field, Ventura County, California (Project Site). The Ventura County Assessor Parcel Number for the Project Site is 060-0-010-043, which comprises approximately 6.06 acres. The Project Site is located within State Lease No. PRC 410 (Hobson State) (DOGGR, 1997).

Refer to Plate 1 - Site Location Map.

1.1 OVERVIEW

Padre completed the subject soil and groundwater assessment activities at the Project Site during the period from August 26, 2019 through November 1, 2021. The objective of the site assessment activities was to determine the potential presence of petroleum hydrocarbons and other chemicals of potential concern in soil and groundwater resulting from historical petroleum hydrocarbon production and processing activities performed at and in the vicinity of the Project Site. Additionally, the site assessment activities also included the collection of groundwater samples for chemical analyses from within and downgradient from the area of the Project Site. The results of the soil and groundwater assessment activities have been used to identify areas of potential concern at the Project Site.

The scope of services is summarized below:

- A total of 18 excavation soil samples were collected for chemical analyses as part of oil well abandonment activities at the location of oil wells "Hobson State" 10, "Hobson State" 410-13, "State PRC 145" 15, and "State PRC 145" 16.
- A total of 25 hollow-stem auger drill holes advanced to maximum depths of approximately 31-feet below ground surface (bgs), and collection of discrete soil samples from each drill hole for chemical analyses.
- A total of six groundwater monitoring wells (MW-1 through MW-4, MW-6, and MW-7) were constructed at the Project Site.
- A total of four Hydropunch groundwater samples were collected at the locations of drill holes DH-19, DH-20, DH-24, and DH-25 for chemical analyses.

1.2 REGULATORY SCREENING LEVELS

Padre compared the laboratory analytical results for soil samples collected at the Project Site to the California Regional Water Quality Control Board - Los Angeles Region (RWQCB-LAR) document titled *Interim Site Assessment and Cleanup Guidebook, Remediation Guidance for Petroleum and VOC Impacted Sites*, dated May 1996.

Padre also compared the laboratory analytical results for soil samples to the San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs), dated 2019 (Revision 2). Specifically, constituents of concern in soil were compared to the Summary of Soil ESLs, Residential: Shallow Soil Exposure (Table S-1), Commercial/Industrial: Shallow Soil Exposure (Table S-1) and Leaching to Groundwater Levels: Non- Drinking Water (Table S-3).

The laboratory analytical results for metals were also compared to California Code of Regulations (CCR) Title 22 Section 66261 values for characterizing hazardous waste. Arsenic concentrations were compared to the upper-bound naturally occurring arsenic screening level concentration of 12 milligrams per kilogram (mg/kg) referenced in the document titled Determination of a Southern California Regional Background Arsenic Concentration in Soil, prepared by the California Department of Toxic Substances Control (DTSC), not dated. Thallium concentrations were compared to the naturally occurring background concentration of 25 mg/kg referenced in the document titled Naturally Occurring Concentrations of Inorganic Chemicals in Ground Water and Soil at California Air Force Installations, Hunter et al., not dated.

The analytical results for groundwater samples were compared to the ESLs for Aquatic Habitat Goal Levels (Table GW-2) for Fresh Water Ecotox and Saltwater Ecotox. The ESLs are presented with the laboratory analytical results, Table 2 through Table 8.

1.3 REPORT ORGANIZATION

This report is organized as follows: Section 1.0 provides the introduction; Section 2.0 presents background information for the Project Site, including a discussion of the Project Site location, geology, and hydrogeology; Section 3.0 provides the soil and groundwater assessment methodology; and Section 4.0 includes a discussion of the findings of the site assessment activities. Section 5.0 provides the conclusions.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The Project Site is located at the southwestern margin of Ventura County, immediately east of U.S. Highway 101 and the Pacific Ocean. The Project Site is located within the west central portion of the Rincon Oil Field, in Township 3 North, Range 24 West, Section 8 and 17. The Project Site includes Ventura County Assessor Parcel Number 060-010-043 (6.06 acres). The Project Site is located within State Lease No. PRC410 (Hobson State) (DOGGR, 1997).

According to survey data provided by WM Survey of Ventura, California the elevation at the groundwater monitoring well locations constructed at the Project Site ranges from approximately 13.48-feet to 17.65-feet above mean sea level (msl).

The area of the Project Site has been developed with oil production and processing facilities since the early 1920s. Pacific Coast Highway (State Route Highway 1) was constructed in the 1930s and the oil facilities were located on the southwest side of the highway which at that time was the beach. During the course of the facility operation several rip-rap rock barriers had been constructed on the beach to armor the oil facilities from the surf. In the 1970s the present-day U.S. Highway 101 freeway was constructed southwest of the Project Site by placing engineered fill and a rip-rap rock revetment along the shoreline which extended several hundred feet into the ocean. The freeway was constructed on an elevated pad approximately 30-feet above MSL, which subsequently resulted in the placement of engineered fill materials throughout the area of the Project Site covering the rip-rap rock barriers and generally establishing the present-day surface grade elevation at the Project Site. In approximately 2015 the lease operator, Rincon Island Limited Partnership, covered the surface area of the Project Site with up to approximately 4-feet of import fill material composed of recycled asphalt aggregate base material. Oil well and facility abandonment activities were conducted at the Project Site during the period from 2019 through 2021.

2.2 HYDROLOGY

The Project Site is located in the South Coast Hydrologic Region of southern California (CDWR, 2016). The Project Site is divided by Los Sauces Creek, which traverses from northeast to southwest off the eastern flank of Rincon Mountain. Los Sauces Creek drains to the Pacific Ocean located approximately 300-feet southwest of the Project Site.

2.3 GEOLOGY AND HYDROGEOLOGY

The Project Site is located within the Transverse Ranges geomorphic province of California. The Transverse Ranges are an east-west trending series of steep mountain ranges and valleys. The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "Transverse". The province extends offshore to include the northern Channel Islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San Andreas Fault. Intense north-south compression is squeezing the Transverse Ranges. As a result, this is one of the most rapidly rising regions on earth. Great thicknesses of Cenozoic petroleum-rich sedimentary rocks have been folded and faulted, making this one of the most important oil-producing areas in the United States (CGS, 2002)

Regional geology in the area of the Project Site is the result of a complex history of structural movement and compression along the San Andreas Fault, including uplift of Rincon Mountain. Surficial deposits consist of various layers of artificial fill composed of silt, sand, clay, and recycled asphalt aggregate base materials underlain by Quaternary alluvium beach deposits composed of coarse sand, gravel, and cobbles. The Project Site is underlain by upper Pliocene marine sedimentary rocks referred to in the Ventura Basin as the Pico Formation which is composed of mostly light gray to tan well bedded sandstone with some interbedded gray claystone. The Project Site is further underlain by middle Miocene marine sedimentary rocks referred to as the Sisquoc Shale and the Monterey Formation, which are composed of gray to

white siliceous shale (CGS, 1969). The axial plane of the east-west trending Rincon Anticline traverses directly beneath the area of the Project Site (Dibblee, 1988).

The scope of work completed at the Project Site included construction of six groundwater monitoring wells (MW-1 through MW-4, MW-6, and MW-7). Groundwater monitoring activities completed by Padre at the Project Site indicated depths to groundwater that ranged from approximately 10.17-feet to 13.85-feet bgs, which correspond to groundwater elevations that ranged from approximately 1.95-feet to 3.91-feet msl. The hydraulic gradient is estimated to range from 0.007 feet per foot (ft./ft.) to 0.0009 ft./ft. towards the Pacific Ocean to the southwest.

3.0 ASSESSMENT METHODOLOGY

The scope of services described herein was developed to support CSLC with facility decommissioning and remediation planning activities at the Rincon Onshore Facility located within State Lease No. PRC 410 (Hobson State), Ventura County, California.

The soil and groundwater assessment activities at the Project Site included the collection of discrete depth soil samples from hand-dug potholes located within four abandoned oil well cellar excavation locations and hollow-stem auger drilling techniques. The drill holes were advanced throughout the area of the Project Site to facilitate the collection of discrete depth soil samples for chemical analyses to define the approximate vertical and lateral extent of petroleum hydrocarbon-containing soil identified at the Project Site. Additionally, four Hydropunch groundwater samples were collected for chemical analyses from select hollow-stem auger drill holes. Two of the Hydropunch groundwater samples were collected from drill holes located downgradient from the Project Site at off-site locations within the southbound median of U.S. Highway 101. A total of six groundwater monitoring wells were constructed at the Project Site to facilitate the collection of groundwater samples for chemical analyses.

3.1 PRE-FIELD ACTIVITIES

3.1.1 Health and Safety

The site assessment activities were performed under the existing *Health and Safety Plan, Facility Decommissioning Activities, Rincon Island Limited Partnership - Onshore, Hobson State Lease, Rincon Oil Field, Ventura County, California*, dated August 2019.

3.1.2 Permits

The soil assessment activities were conducted in accordance with the Annual Well Permit issued to Padre by the County of Ventura, expires May 31, 2022. Padre understands that Driltek Inc. (Driltek) obtained well permits from the County of Ventura Resource Management Agency for construction of groundwater monitoring wells MW-1 through MW-4 and MW-6 at the Project Site. Padre obtained County of Ventura well permit No. GWP-08593 for construction of groundwater monitoring well MW-7. A copy of the well permit and sealing record for well MW-7 is included with Appendix A - Project Documentation.

3.1.3 Underground Service Alert and Utility Locating

Padre obtained Underground Service Alert (USA) Dig Alert ticket numbers A212660902 and A212700454 for the drilling activities conducted in October and November 2021 at the Project Site. Copies of the USA Dig Alert tickets are included with Appendix A - Project Documentation.

3.2 SOIL ASSESSMENT ACTIVITIES

Padre collected soil samples for chemical analyses from four well cellar excavations advanced during oil well abandonment activities conducted by Driltek during the period from August 2019 through October 2019. Well cellar excavations observed and sampled by Padre included abandoned oil wells "Hobson State" 10, "Hobson State" 410-13, "State PRC 145" 15, and "State PRC 145" 16. Padre collected discrete depth soil samples from hand dug potholes located within the excavation floor and sidewalls using a shovel or trowel. The soil samples were collected in stainless steel sample sleeves that were sealed with Teflon™ sheets and plastic end caps. The soil samples were logged, labeled, and placed in a cooler with ice pending delivery to the analytical laboratory.

Padre conducted the soil and groundwater assessment activities at the Project Site using hollow-stem auger drilling methods during the period from March 23, 2021 through November 1, 2021. Padre subcontracted the hollow-stem auger drilling services of Gregg Drilling (Gregg) located in Signal Hill, California. Gregg Drilling maintains State of California C-57 license number 1044456.

Discrete depth soil samples were collected from each hollow-stem auger drill hole at approximate 5-foot depth intervals using a 140-pound slide hammer to advance a 2-inch diameter environmental split-spoon sampler. Soil samples were collected in stainless-steel sleeves that were sealed with Teflon™ sheets and plastic end caps. Each soil sample was logged, labeled, and placed in a cooler with ice pending delivery to the analytical laboratory.

Padre lithologically logged each soil sample using the Unified Soil Classification System (USCS). The soil samples were screened for the presence of volatile organic compounds (VOCs) using a field-portable photoionization detector (PID). Soils retained for chemical analyses were determined based on the location to document presence/absence of petroleum hydrocarbons, and visual and/or PID screening evidence of potential hydrocarbon-containing soils. Based on the conditions encountered and the presence of petroleum hydrocarbons at each drill hole location, additional soil samples were submitted for chemical analysis to document the site conditions and define the approximate vertical and lateral extent of petroleum hydrocarbon-containing soil at the Project Site. The drill hole logs are provided as Appendix B - Drill Hole Logs.

Reusable field sampling equipment was cleaned before use, between sample locations, and following the completion of fieldwork. Cleaning procedures consisted of a non-phosphate detergent wash and tap water rinse, and a final de-ionized water rinse.

The hollow-stem auger drill holes were backfilled with either hydrated bentonite chips or cement/bentonite slurry to within 12-inches of the surface. The surfaces at each drill hole location were completed with native soil to match surrounding grade.

Assessment-derived wastes included decontamination wash water, soil cuttings, used personal protective equipment (i.e., nitrile gloves), and general refuse. Personal protective equipment and general refuse were taken offsite for disposal by Padre and Gregg. Decontamination wash water and soil cuttings were placed in 55-gallon drums that were taken offsite by World Oil Environmental Services under non-hazardous waste manifest documentation for disposal/recycling at World Oil Recycling located in Compton, California. A copy of the non-hazardous waste manifest documentation is provided as Appendix A - Project Documentation.

3.3 GROUNDWATER MONITORING WELL CONSTRUCTION ACTIVITIES

A total of six groundwater monitoring wells were constructed at the Project Site as part of the groundwater assessment activities. Groundwater monitoring wells MW-1 through MW-4 and MW-6 were constructed with 4-inch diameter flush-threaded Schedule 40 polyvinyl chloride (PVC) casing to depths ranging from approximately 16-feet to 18-feet bgs, and groundwater monitoring well MW-7 was constructed with 2-inch diameter flush-threaded Schedule 40 PVC casing to an approximate depth of 14-feet bgs. The wells were constructed with 10-feet of 0.020-inch slotted-screen casing and completed with blank casing to the surface. The annulus of each well location was filled with No. 3 Monterey Sand to approximately 1-foot above the top of well screen. The annulus above the sand was sealed with hydrated bentonite chips to the surface. Each wellhead was completed at the surface with a steel well monument set in concrete.

The well construction logs for the six groundwater monitoring wells are included with Appendix B - Drill Hole Logs.

3.4 SURVEYING

The locations of the hollow-stem auger drill holes were surveyed by Padre using a hand-held Trimble global positioning system (GPS) device with sub-meter accuracy. The groundwater monitoring well locations were surveyed by WM Surveys, Inc. of Ventura, California. WM Surveys, Inc. maintains State of California Land Surveyor License No. 5948, valid through December 31, 2022. The survey data for each drill hole location and each groundwater monitoring well location are provided as Table 2 - Summary of Survey Data.

3.5 GROUNDWATER MONITORING ACTIVITIES

Padre conducted groundwater monitoring activities at the Project Site on March 29, 2021 (MW-1 through MW-4, and MW-6) and on October 1, 2021 (MW-7). The groundwater monitoring activities included surging the annulus and removing fine-grained sediment from the bottom of the well casings using a 2-inch diameter hand bailer.

Padre gauged the depth to water and total depth of each well location using an electronic water level indicator. The measured water column thickness at each well location was used to

calculate the three well casing volumes to be removed from each well casing. Padre utilized either an electric submersible pump or an electric peristaltic pump to purge the required volume of groundwater from each well casing.

A total of six groundwater samples were collected at the Project Site using a new Teflon™ disposable bailer at each well location. The bailers were decanted into the laboratory-supplied sample containers, which were logged, labeled, and placed in a cooler with ice pending delivery to the analytical laboratory. The purged groundwater was either placed into the existing waste stream at the Project Site managed at the time by Driltek or placed in a 55-gallon drum that was transported offsite for disposal. The groundwater monitoring logs prepared by Padre during the groundwater monitoring activities are presented as Appendix A - Project Documentation.

3.6 LABORATORY ANALYTICAL PROGRAM

During the course of site assessment activities conducted by Padre, a total of 78 soil samples and 10 groundwater samples were submitted for chemical analyses. The soil and groundwater samples were submitted under chain-of-custody documentation to Oilfield Environmental Compliance, Inc. (OEC) located in Santa Maria, California. OEC maintains a Certificate of Environmental Accreditation from the California State Environmental Laboratory Accreditation Program (ELAP), No. 2438, which is valid through October 31, 2022.

The laboratory analytical reports for the soil and groundwater assessment activities completed by Padre at the Project Site are provided as Appendix C - Laboratory Analytical Reports.

The soil samples were chemically analyzed by the following analyses.

- A total of 78 soil samples were chemically analyzed for the presence of Total Petroleum Hydrocarbons identified as diesel fuel (C₁₃-C₂₂) and motor oil (C₂₃-C₄₀) by U.S. Environmental Protection Agency (U.S. EPA) method 8015 modified.
- A total of 75 soil samples were chemically analyzed for the presence of benzene, toluene, ethylbenzene, total xylenes (BTEX) and TPH identified as gasoline (C₄-C₁₂) by U.S. EPA method 8260B.
- A total of 14 soil samples were chemically analyzed for the presence of Volatile Organic Compounds (VOCs) by U.S. EPA method 8260B.
- A total of six soil samples were chemically analyzed for Polynuclear Aromatic Hydrocarbons (PAHs) by U.S. EPA method 8270C-SIM.
- A total of nine soil samples were chemically analyzed for Semi-Volatile Organic Compounds (SVOCs) by U.S. EPA method 8270C.
- A total of 30 soil samples were chemically analyzed for Title 22/CAM 17 metals by U.S. EPA method 6010B.

- A total of three soil samples were chemically analyzed for Soluble Threshold Limit Concentrations (STLC) barium by U.S. EPA method 6010B.
- One soil sample was chemically analyzed for STLC cadmium by U.S. EPA method 6010B.

A total of four Hydropunch groundwater samples and six groundwater samples collected from groundwater monitoring wells MW-1 through MW-5, and MW-7 were chemically analyzed for the following analyses:

- TPH identified as diesel fuel (C₁₃-C₂₂) and motor oil (C₂₃-C₄₀) by U.S. EPA method 8015 modified.
- VOCs and TPH identified as gasoline (C₄-C₁₂) by U.S. EPA method 8260B.

3.7 QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

The quality assurance / quality control (QA/QC) procedures were utilized in both sample collection and chemical analyses. The purpose of the QA/QC procedures is to ensure the reliability and compatibility of all data generated during the subject soil assessment program.

3.7.1 Field QA/QC Procedures

Field QA/QC procedures were performed during the sampling program and consist of the following measures:

- COC forms were used for sample submittal to the laboratory.
- Daily information regarding sample collection were recorded on field data sheets. Sample types, sample identification numbers, and sample times were collected and recorded on field data sheets.

COC records were utilized to document sample collection and submittal to the laboratory for analysis. A COC record accompanied all samples submitted for chemical analyses.

3.7.2 Laboratory QA/QC Procedures

Laboratory QA/QC procedures include the following:

- Chemical analyses were performed within the required holding time for all samples.
- A California ELAP hazardous waste testing laboratory conducted the required analysis.
- The laboratory provided the following information for each sample:
 - Method blank data.
 - Surrogate recovery, instrument tuning, and calibration data.

- Signed laboratory reports including the sample designation, date of sample collection, date of sample analysis, laboratory analytical method employed, sample volume, and the minimum Reporting Limit.

4.0 FINDINGS

4.1 EARTH MATERIALS

Earth materials encountered during the course of the soil and groundwater assessment activities completed at the Project Site included artificial fill materials composed of silt, sand, gravel, clay, and recycled asphaltic base material, Quaternary surficial sediments consisting of medium to coarse-grained sand, gravel, cobbles, silt, and clay, and weathered Pico Formation clay. Artificial (engineered) fill material composed of silty sand with minor amounts of gravel was observed at drill hole DH-24 and DH-25 advanced within the median on the southbound side of U.S. Highway 101. Metasedimentary rock consistent with rip-rap materials were observed at the location of hollow-stem auger drill hole DH-10/MW-3 located near the southwest boundary of the Project Site at an approximate depth of 14-feet bgs. Anthropogenic materials encountered during the course of the soil and groundwater assessment activities included wood, concrete, and steel rebar. The drill hole logs for the drill holes completed at the Project Site are presented as Appendix B - Drill Hole Logs.

4.2 GROUNDWATER

The scope of groundwater assessment activities included four Hydropunch groundwater samples collected from the hollow-stem auger drill holes, as well as the construction of six groundwater monitoring wells (MW-1 through MW-5, and MW-7) constructed at six hollow-stem auger drill hole locations at the Project Site. Groundwater monitoring activities completed by Padre at the Project Site indicated depths to groundwater ranging from approximately 10.17 feet to 13.85 feet bgs, which correspond to groundwater elevations that range from approximately 3.28 feet to 4.03 feet msl. The hydraulic gradient is estimated to be 0.007 ft./ft. to 0.0009 ft./ft. towards the Pacific Ocean to the southwest. The groundwater elevation data is presented on Table 1 - Groundwater Elevation Data.

The depth to groundwater measured in drill holes DH-24 and DH-25 advanced within the southbound median of U.S. Highway 101 was approximately 31 feet bgs, which corresponds to the approximate elevation of mean sea level.

4.3 LABORATORY ANALYTICAL RESULTS FOR SOIL SAMPLES

4.3.1 Total Petroleum Hydrocarbons

The laboratory analytical results for soil samples collected at the Project Site are presented on Table 3 - Laboratory Analytical Results for Soil Samples - Total Petroleum Hydrocarbons. The distribution of petroleum hydrocarbons in soil is presented on Plate 3 - Distribution of Total TPH in Soil.

The laboratory analytical results for 75 soil samples indicated that 14 soil samples contained detectable concentrations of TPH identified as gasoline (C₄-C₁₂). One soil sample (DH-22-10) collected at a depth of approximately 10-feet bgs contained a TPH identified as gasoline (C₄-C₁₂) concentration in excess of the maximum soil screening level of 100 mg/kg. The laboratory analytical results indicated that none of the soil samples exceeded the residential shallow soil ESL of 429 mg/kg.

The laboratory analytical results for 78 soil samples indicated detectable concentrations of TPH identified as diesel fuel (C₁₃-C₂₂) in 24 soil samples at depths ranging from approximately 3-feet to 20-feet bgs. A total of nine soil samples collected at depths ranging from approximately 3-feet to 10-feet bgs were reported to contain TPH identified as diesel fuel (C₁₃-C₂₂) concentrations in excess of the maximum soil screening level of 100 mg/kg. The laboratory analytical results indicated that four soil samples contained TPH identified as diesel fuel (C₁₃-C₂₂) concentrations that exceeded the commercial/industrial shallow soil exposure ESL of 1,219 mg/kg, and one soil sample (DH-22-10, collected at an approximate depth of 10-feet) contained TPH identified as diesel fuel (C₁₃-C₂₂) concentrations that exceeded the leaching to groundwater, non-drinking water ESL of 7,284 mg/kg.

The laboratory analytical results for 78 soil samples indicated detectable concentrations of TPH identified as motor oil (C₂₃-C₄₀) in 21 soil samples at approximate depths ranging from 3-feet to 20-feet bgs. A total of five soil samples collected at depths ranging from approximately 5-feet to 10-feet bgs were reported to contain TPH identified as motor oil (C₂₃-C₄₀) concentrations in excess of the maximum soil screening level of 1,000 mg/kg. The laboratory analytical results indicated none of the soil samples exceeded the residential shallow soil ESL of 12,033 mg/kg.

Plate 4 – Elevation Cross-Sections presents the distribution of petroleum hydrocarbon-containing soil in the vicinity of drill holes DH-12, DH-13/MW-6, and DH-22. The areas of excavation and soil sample locations in the vicinity of abandoned oil well locations "Hobson State" 10, "Hobson State" 410-13, "State PRC 145" 15, and "State PRC 145" 16 are presented on Plates 6, 7, 8, and 9, respectively.

4.3.2 Volatile Organic Compounds

The laboratory analytical results for soil samples collected at the Project Site are presented on Table 4 - Laboratory Analytical Results for Soil Samples - Volatile Organic Compounds.

The laboratory analytical results for 75 soil samples indicated four soil samples contained trace concentrations of toluene and total xylenes, and the laboratory analytical results for 14 soil samples indicated three soil samples contained trace concentrations of VOCs constituents that did not exceed the applicable maximum soil screening levels and ESLs.

4.3.3 Semi-Volatile Organic Compounds / Polynuclear Aromatic Hydrocarbons

The laboratory analytical results for soil samples collected at the Project Site are presented on Table 5 - Laboratory Analytical Results for Soil Samples - Polynuclear Aromatic

Hydrocarbons and Table 6 - Laboratory Analytical Results for Soil Samples - Semi-Volatile Organic Compounds.

The laboratory analytical results for six soil samples indicated two soil samples contained trace concentrations of PAHs constituents that did not exceed the applicable ESLs. The laboratory analytical results for nine soil sample did not indicate SVOCs constituent concentrations in excess of the analytical method reporting limits.

4.3.4 Title 22 / CAM17 Metals

The laboratory analytical results for soil samples collected at the Project Site are presented on Table 7 - Laboratory Analytical Results for Soil Samples - Title 22/CAM 17 Metals.

The laboratory analytical results for 30 soil samples indicated Title 22/CAM17 metals concentrations that were less than CCR Title 22 values for hazardous waste characterization, ESLs, and published background concentrations.

4.4 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

4.4.1 Salinity

The laboratory analytical results for interstitial water samples are provided on Table 10 - Laboratory Analytical Results for Interstitial Water Samples - TPH and Salinity.

The laboratory analytical results for three groundwater samples collected from groundwater monitoring wells MW-1, MW-2, and MW-3 indicated salinity concentrations ranging from 2.7 parts per trillion (ppt) to 5.2 ppt indicating a zone of diffusion along the coast at the interface between freshwater and saltwater.

4.4.2 Total Petroleum Hydrocarbons

The laboratory analytical results for interstitial water samples collected at the Project Site are provided on Table 8 - Laboratory Analytical Results for Water Samples - TPH and Salinity. The distribution of petroleum hydrocarbons in groundwater is presented on Plate 5 - Petroleum Hydrocarbon Concentrations in Groundwater.

The laboratory analytical results for 10 groundwater samples collected from six groundwater monitoring wells and four temporary Hydropunch groundwater sample locations indicated a TPH identified as gasoline (C₄-C₁₂) concentration of 310 micrograms per liter (µg/l) at one groundwater monitoring well location (MW-6). The reported TPH identified as gasoline (C₄-C₁₂) concentration was less than the freshwater Eco-toxicity ESL of 443 µg/l and saltwater Eco-toxicity ESL of 3,700 µg/l.

The laboratory analytical results indicated that all ten groundwater samples contained TPH identified as diesel fuel (C₁₃-C₂₂) concentrations ranging from 74 µg/l to 3,500 µg/l. The results indicated six groundwater samples contained TPH identified as diesel fuel (C₁₃-C₂₂)

concentrations that exceeded the ESL values for freshwater and saltwater Eco-toxicity (both 640 milligrams per liter [mg/l]).

The laboratory analytical results indicated nine groundwater samples contained TPH identified as motor oil (C₂₃-C₄₀) concentrations ranging from 460 µg/l to 4,400 µg/l. Freshwater and saltwater eco-toxicity ESLs have not been established for TPH identified as motor oil (C₂₃-C₄₀).

4.4.3 Benzene, Toluene, Ethylbenzene, and Total Xylenes

The laboratory analytical results for interstitial water samples collected at the Project Site are provided on Table 9 - Laboratory Analytical Results for Water Samples - BTEX.

The laboratory analytical results for all ten groundwater samples did not indicate BTEX concentrations in excess of the analytical method reporting limits.

4.5 ESTIMATED SOIL VOLUMES

Padre prepared estimates for the volume of soil identified to contain petroleum hydrocarbon concentrations in excess of residential shallow soil exposure screening levels. The estimated in-place volume of petroleum hydrocarbon-containing soil in the vicinity of drill holes DH-12, DH-13/MW-6, and DH-22 to an approximate depth of 12-feet is approximately 6,860 cubic yards (cy). The estimated in-place volume of petroleum hydrocarbon-containing soil in the vicinity of drill hole DH-4 to an approximate depth of 7.5-feet is approximately 640 cy. The total estimated in-place volume of petroleum hydrocarbon-containing soil at the Project Site is approximately 7,500 cy. The estimated in-place volume of recycled asphalt aggregate base material is approximately 9,360 cy. The volumes of residual petroleum hydrocarbon-containing soil identified in the vicinity of the four abandoned oil well locations at the Project Site were not included in the volume estimates based on the excavation activities previously completed at those locations.

5.0 CONCLUSIONS

Padre completed the subject soil and groundwater assessment activities at the Project Site during the period from August 26, 2019 through November 1, 2021. The objective of the site assessment activities was to determine the potential presence of petroleum hydrocarbons and other chemicals of potential concern in soil and groundwater resulting from historical petroleum hydrocarbon production and processing activities performed at and in the vicinity of the Project Site. Additionally, the site assessment activities included the collection of groundwater samples for chemical analyses at and downgradient from the area of the Project Site. The results of the soil and groundwater assessment activities have been used to identify areas of potential concern at the Project Site.

The scope of site assessment activities completed at the Project Site included the collection of 18 soil samples for chemical analyses from four oil well abandonment excavation

areas; a total of 25 hollow-stem auger drill holes advanced to maximum depths of approximately 31-feet bgs; construction of six groundwater monitoring wells (MW-1 through MW-4, MW-6, and MW-7), and collection of a total of 10 groundwater samples from the six groundwater monitoring wells and four Hydropunch groundwater samples. A total of 78 soil samples were chemically analyzed for the presence of petroleum hydrocarbons, and a subset of the soil samples were also chemically analyzed for the presence of BTEX, VOCs, SVOCs, PAHs, and Title 22/CAM 17 metals. A total of 10 groundwater samples were chemically analyzed for the presence of petroleum hydrocarbons and BTEX.

Earth materials encountered during the course of the soil and groundwater assessment activities completed at the Project Site included artificial fill composed of silt, sand, gravel, clay, and recycled asphaltic base material, as well as Quaternary surficial sediments consisting of medium to coarse-grained sand, gravel, cobbles, silt, and clay, and weathered Pico Formation clay. Groundwater monitoring activities completed by Padre at the Project Site indicated depths to groundwater that ranged from approximately 10.17-feet to 13.85-feet bgs, which correspond to groundwater elevations that ranged from approximately 1.95-feet to 3.91-feet msl. The hydraulic gradient is estimated to range from 0.007 feet per foot (ft./ft.) to 0.0009 ft./ft. towards the Pacific Ocean to the southwest.

The laboratory analytical results for 75 soil samples indicated 14 soil samples contained detectable concentrations of TPH identified as gasoline (C₄-C₁₂). The laboratory analytical results for 78 soil samples indicated detectable concentrations TPH identified as diesel fuel (C₁₃-C₂₂) in 24 soil samples at depths ranging from approximately 3-feet to 20-feet bgs, and the laboratory analytical results indicated detectable concentrations of TPH identified as motor oil (C₂₃-C₄₀) in 21 soil samples at approximate depths ranging from 3-feet to 20-feet bgs. The laboratory analytical results for soil samples did not indicate the presence of BTEX, VOCs, SVOCs, PAHs or Title 22/CAM17 metals in excess of the applicable screening levels.

The laboratory analytical results for 10 groundwater samples collected from six groundwater monitoring wells and four temporary Hydropunch groundwater sample locations indicated the presence of TPH identified as gasoline (C₄-C₁₂), TPH identified as diesel fuel (C₁₃-C₂₂), and TPH identified as motor oil (C₂₃-C₄₀). The laboratory analytical results for all ten groundwater samples did not indicate BTEX concentrations in excess of the analytical method reporting limits.

The laboratory analytical results indicate the presence of petroleum hydrocarbons in soil and groundwater resulting from historical petroleum hydrocarbon production and processing activities performed at and in the vicinity of the Project Site.

Padre prepared estimates for the volume of soil containing petroleum hydrocarbon concentrations in excess of soil screening levels. The estimated in-place volume of petroleum hydrocarbon-containing soil in the vicinity of drill holes DH-12, DH-13/MW-6, and DH-22 to an approximate depth of 12-feet is approximately 6,860 cy. The estimated in-place volume of petroleum hydrocarbon-containing soil in the vicinity of drill hole DH-4 to an approximate depth of 7.5-feet is approximately 640 cy. The total estimated in-place volume of petroleum hydrocarbon-

containing soil at the Project Site is approximately 7,500 cy. The estimated in-place volume of recycled asphalt aggregate base material is approximately 9,360 cy. The volumes of residual petroleum hydrocarbon-containing soil identified in the vicinity of the four abandoned oil well locations at the Project Site were not included in the volume estimates based on the excavation activities previously completed at those locations.

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6.0 REFERENCES

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TABLES

**Table 1. Groundwater Elevation Data
Onshore Facility**

Drill Hole No.	Date	Surface Elevation (feet MSL)	Well Casing Elevation (feet MSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet MSL)
MW-1	4/26/2021	14.08	17.53	10.17	3.91
MW-2	4/26/2021	13.48	16.23	10.20	3.28
MW-3	4/26/2021	14.56	17.61	10.85	3.71
MW-4	4/26/2021	17.65	20.29	13.85	3.80
MW-6	4/26/2021	14.72	16.76	11.00	3.72
MW-7	10/1/2021	15.00	17.30	13.05	1.95

Notes:

Depth to groundwater measured from surface elevation.

Table 2. Summary of Survey Data
Onshore Facility

Drill Hole No.	Date Collected	Elevation (feet MSL)	Northing (feet)	Easting (feet)
DH-1	9/29/2021	11.31	1952652.715	6131933.698
DH-2	3/22/2021	12.19	1951517.171	6132768.148
DH-3	3/22/2021	11.00	1951498.045	6132763.921
DH-4	3/22/2021	14.38	1951595.513	6132780.745
DH-5/MW-4	4/26/2021	17.65	1951556.184	6132817.161
DH-6	9/29/2021	12.64	1952547.328	6131993.584
DH-7	9/29/2021	11.75	1952463.721	6132062.717
DH-8	3/23/2021	11.92	1951504.167	6132850.436
DH-9	9/29/2021	12.14	1952351.292	6132127.138
DH-10/MW-3	4/26/2021	14.56	1951584.506	6132692.982
DH-11	3/23/2021	9.02	1951744.903	6132643.237
DH-12	3/23/2021	8.41	1951770.618	6132568.914
DH-13/MW-6	4/26/2021	14.72	1951794.886	6132599.854
DH-14/MW-2	4/26/2021	13.48	1951770.108	6132511.602
DH-15/MW-1	4/26/2021	14.08	1951899.305	6132488.328
DH-16	9/29/2021	10.23	1952274.545	6132209.102
DH-17	9/29/2021	13.64	1951459.073	6132883.833
DH-18	9/30/2021	14.43	1951405.285	6132897.749
DH-19	9/30/2021	11.39	1951557.942	6132617.493
DH-20	9/30/2021	14.01	1951697.404	6132515.656
DH-21/MW-7	10/1/2021	15.00	1952086.510	6132321.190
DH-22	9/30/2021	13.64	1951855.017	6132551.128
DH-23	9/30/2021	8.04	1951584.410	6132751.907
DH-24	11/1/2021	29.20	1951618.441	6132329.166
DH-25	11/1/2021	25.14	1951426.192	6132460.126
Well "State PRC 145" 15	--	15.34	195235.100	6132168.730
Well "State PRC 145" 16	--	9.81	1951424.490	6132836.480
Well "Hobson State" 10	--	13.52	1951634.580	6132722.940
Well "Hobson State" 410-13	--	10.90	1951653.250	6132707.730

Notes:

DH = Hollow-Stem Auger Drill Hole

Well = Abandoned Oil Well

-- = No Data / Not Measured

feet MSL = feet above Mean Sea Level

State Plane Coordinates = NAD_1983_StatePlane_California_V_FIPS_0405_Feet

Table 3. Laboratory Analytical Results for Soil Samples - Total Petroleum Hydrocarbons
Onshore Facility

Laboratory analytical results presented in milligrams per kilogram (mg/kg), parts per million (ppm).

Sample Name	Date	Depth (feet)	TPH C4-C12	TPH C13-C22	TPH C23-C40	Total TPH
Maxium Soil Screening Level:			100	100	1,000	--
Residential: Shallow Soil Exposure ESL:			429	255	12,033	--
Commercial/Industrial: Shallow Soil Exposure ESL:			2,004	1,219	179,692	--
Leaching to Groundwater:Non-Drinking Water ESL:			4,932	7,284	--	--
145-15-103119-1	10/31/2019	5.0	0.28 J	11	<50	11
145-15-103119-2	10/31/2019	6.5	<0.50	<10	41 J	--
145-15-103119-3	10/31/2019	7.5	<0.50	42	240	282
145-15-103119-4	10/31/2019	8.0	1.5	130	250	382
Hobson 13-091619-1	9/16/2019	8.0	<0.49	33	180	213
Hobson 13-091619-2	9/16/2019	6.0	<0.49	89	200	289
Hobson 13-091619-3	9/16/2019	4.0	<0.49	120	340	460
Hobson 13-091619-4	9/16/2019	4.0	<0.49	<10	<50	--
Hobson 10-090619-1	9/6/2019	5.0	<0.50	45	260	305
Hobson 10-090619-2	9/6/2019	3.0	3.1	250	740	993
Hobson 10-090619-3	9/6/2019	3.0	1.2	57	130	188
Hobson 10-090619-4	9/6/2019	9.0	1.5	480	920	1,402
PRC145-16-082619-1	8/26/2019	7.0	<0.50	<9.9	<50	--
PRC145-16-082619-2*	8/26/2019	10.0	10	640	490	1,140
PRC145-16-082619-3	8/26/2019	4.0	<0.50	<10	<50	--
PRC145-16-082619-4	8/26/2019	5.0	<0.50	<9.9	<50	--
PRC145-16-090319-5	9/3/2019	11.0	<0.50	<10	<50	--
PRC145-16-090319-6	9/3/2019	11.5	<0.50	<9.9	<50	--
DH-1-5	9/29/2021	5.0	<0.50	<10	<50	--
DH-1-10	9/29/2021	10.0	<0.50	<10	<50	--
DH-3-5	3/22/2021	5.0	<0.50	<10	<50	--
DH-3-10	3/22/2021	10.0	<0.50	<9.9	<50	--
DH-3-20	3/22/2021	20.0	0.59	<10	<50	0.59
DH-4-5	3/22/2021	5.0	0.68	3200	5900	9101
DH-4-10	3/22/2021	10.0	<0.50	<10	<50	--
DH-4-15	3/22/2021	15.0	1.6	<10	<50	1.6
DH-4-20	3/22/2021	20.0	<0.50	<10	<50	--
DH-5-10	3/22/2021	10.0	<0.50	<10	<50	--
DH-5-15	3/22/2021	15.0	<0.50	<10	<50	--
DH-5-20	3/22/2021	20.0	14	15	40 J	29
DH-6-5	9/29/2021	5.0	<0.50	<10	<50	--
DH-6-10	9/29/2021	10.0	<0.50	<10	<50	--
DH-7-5	9/29/2021	5.0	<0.50	<10	<50	--
DH-7-10	9/29/2021	10.0	<0.50	<9.9	<49	--
DH-7-15	9/29/2021	15.0	<0.50	<9.8	<49	--
DH-8-5	3/23/2021	5.0	<0.49	<10	<50	--

Table 3 - continued.

Sample Name	Date	Depth (feet)	TPH C4-C12	TPH C13-C22	TPH C23-C40	Total TPH
Maxium Soil Screening Level:			100	100	1,000	--
Residential: Shallow Soil Exposure ESL:			429	255	12,033	--
Commercial/Industrial: Shallow Soil Exposure ESL:			2,004	1,219	179,692	--
Leaching to Groundwater:Non-Drinking Water ESL:			4,932	7,284	--	--
DH-8-10	3/23/2021	10.0	<0.50	<10	<50	--
DH-8-15	3/23/2021	15.0	<0.50	45	120	165
DH-9-5	9/29/2021	5.0	<0.49	<9.8	<49	--
DH-9-10	9/29/2021	10.0	<0.50	<10	<50	--
DH-10-5	3/23/2021	5.0	<0.50	<10	<50	--
DH-10-10	3/23/2021	10.0	<0.49	21	320	341
DH-11-5	3/23/2021	5.0	--	<10	<50	--
DH-11-10	3/23/2021	10.0	--	20	150	170
DH-12-5	3/23/2021	5.0	--	<10	<50	--
DH-12-10	3/23/2021	10.0	17	1600	2900	4517
DH-12-15	3/23/2021	15.0	<0.50	81	140	221
DH-13-5	3/23/2021	5.0	5.7	5500	11000	16506
DH-13-10	3/23/2021	10.0	78	3700	4300	8078
DH-13-20	3/23/2021	20.0	<0.50	<10	<50	--
DH-14-5	3/24/2021	5.0	<0.50	<10	<50	--
DH-14-10	3/24/2021	10.0	<0.49	<10	<50	--
DH-15-10	3/24/2021	10.0	<0.49	91	700	791
DH-15-15	3/24/2021	15.0	<0.50	<10	<50	--
DH-15-20	3/24/2021	20.0	<0.50	15	75	90
DH-16-5	9/29/2021	5.0	<0.50	<9.8	<49	--
DH-16-10	9/29/2021	10.0	<0.50	<9.9	<50	--
DH-17-5	9/29/2021	5.0	<0.49	<10	<50	--
DH-17-10	9/29/2021	10.0	<0.50	<9.9	<49	--
DH-17-15	9/29/2021	15.0	12	<9.9	<49	12
DH-18-5	9/30/2021	5.0	<0.50	<10	<50	--
DH-18-10	9/30/2021	10.0	<0.50	<9.9	<50	--
DH-18-15	9/30/2021	15.0	<0.50	<9.8	<49	--
DH-18-20	9/30/2021	20.0	<0.50	<9.9	<50	--
DH-19-5	9/30/2021	5.0	<0.50	<10	<50	--
DH-19-10	9/30/2021	10.0	<0.49	<10	<50	--
DH-20-5	9/30/2021	5.0	<0.50	<9.9	<50	--
DH-20-10	9/30/2021	10.0	<0.50	<9.9	<50	--
DH-21-5	9/30/2021	5.0	<0.50	<10	<50	--
DH-21-10	9/30/2021	10.0	<0.45	15	<49	15
DH-22-5	9/30/2021	5.0	<0.50	<9.8	<49	--
DH-22-10	9/30/2021	10.0	330	8,800	7,200	16,330
DH-22-15	9/30/2021	15.0	<0.49	<9.9	<50	--

Table 3 - continued.

Sample Name	Date	Depth (feet)	TPH C4-C12	TPH C13-C22	TPH C23-C40	Total TPH
Maximum Soil Screening Level:			100	100	1,000	--
Residential: Shallow Soil Exposure ESL:			429	255	12,033	--
Commercial/Industrial: Shallow Soil Exposure ESL:			2,004	1,219	179,692	--
Leaching to Groundwater: Non-Drinking Water ESL:			4,932	7,284	--	--
DH-23-5	9/30/2021	5.0	<0.50	<9.9	<49	--
DH-23-10	9/30/2021	10.0	<0.50	<9.9	<49	--
DH-23-15	9/30/2021	15.0	4.0	17	<49	21
DH-24-30	11/1/2021	30.0	<0.50	<9.9	<50	--
DH-25-30	11/1/2021	30.0	<0.50	<9.9	<50	--

Notes:

TPH C4-C12 = Total Petroleum Hydrocarbons identified as gasoline by U.S. EPA method 8260B

TPH C13-C22 = Total Petroleum Hydrocarbons identified as diesel fuel by U.S. EPA method 8015M

TPH C23-C40 = Total Petroleum Hydrocarbons identified as motor oil by U.S. EPA method 8015M

Total TPH = sum of gasoline, diesel, and motor oil concentrations for each respective soil sample.

Maximum Soil Screening Level (orange) = Los Angeles Regional Water Quality Control Board, May 1996 Guidbook, distance above groundwater <20-feet.

ESL (gold) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Residential: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.

ESL (green) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.

ESL (aqua) = Environmental Screening Levels, Leaching to Groundwater Levels (Table S-3) Non-Drinking Water, San Francisco Bay Regional Water Quality Control Board.

Bold value indicates result in excess of the method reporting limit.

Shaded value indicates result exceeds the applicable screening level value.

< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

* = Additional excavation conducted at well PRC-145-16 to remove petroleum hydrocarbon-containing soil.

**Table 4. Laboratory Analytical Results for Soil Samples - VOCs
Onshore Facility**

Laboratory analytical results presented in milligrams per kilogram (mg/kg), parts per million (ppm).

Sample Name					Hobson 10-090619-1	Hobson 10-090619-2	Hobson 10-090619-3	Hobson 10-090619-4	Hobson 13-091619-1	Hobson 13-091619-2	Hobson 13-091619-3	Hobson 13-091619-4	145-15-103119-1	145-15-103119-2	145-15-103119-3	145-15-103119-4	PRC145-16-082619-1	PRC145-16-082619-2	PRC145-16-082619-3	PRC145-16-082619-4	PRC145-16-090319-5	PRC145-16-090319-6	DH-1-5	DH-1-10	DH-3-5
Date					9/6/2019	9/6/2019	9/6/2019	9/6/2019	9/16/2019	9/16/2019	9/16/2019	9/16/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	9/3/2019	9/3/2019	9/29/2021	9/29/2021	3/22/2021
Depth (feet)					5.0	3.0	3.0	9.0	8.0	6.0	4.0	4.0	5.0	6.5	7.5	8.0	7.0	10.0	4.0	5.0	11.0	11.5	5.0	10.0	5.0
Analyte	Maximum Soil Screening Level	Residential Shallow Soil Exposure ESL	Commercial Shallow Soil Exposure ESL	Leaching to Non-Drinking Water ESL																					
Benzene	0.011	0.33	1.45	0.03	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.7	5.89	25.9	0.43	<0.005	<0.005	0.0026 J	<0.005	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.3	1107	5328	10.3	<0.005	0.0063	0.0034 J	<0.005	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	0.0021 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylenes (total)	1.75	579	2496	10.4	<0.005	0.0096	0.014	0.007	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	0.036	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bromobenzene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Bromochloromethane	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Bromodichloromethane	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Bromoform	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Bromomethane	--	6.89	30.3	0.83	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
n-Butylbenzene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
sec-Butylbenzene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
tert-Butylbenzene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Carbon tetrachloride	--	0.62	2.73	0.08	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Chlorobenzene	--	275	1321	1.44	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Chloroethane	--	13964	58647	11.51	--	0.015	--	--	--	--	--	--	--	--	--	0.0029 J	--	<0.005	--	--	--	--	<0.005	--	--
Chloroform	--	0.32	1.40	0.02	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Chloromethane	--	113	475	14.8	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
2-Chlorotoluene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
4-Chlorotoluene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Dibromochloromethane	--	8.28	38.9	11.2	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,2-Dibromo-3-chloropropane	--	0.0044	0.06	0.001	--	0.0035 J	--	--	--	--	--	--	--	--	--	0.017	--	0.069	--	--	--	--	<0.005	--	--
1,2-Dibromoethane (EDB)	--	0.036	0.16	0.002	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Dibromomethane	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,2-Dichlorobenzene	--	1824	9417	1.05	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,3-Dichlorobenzene	--	--	--	7.40	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,4-Dichlorobenzene	--	2.65	11.6	0.20	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Dichlorodifluoromethane	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,1-Dichloroethane	--	3.58	15.7	0.31	--	0.0074	--	--	--	--	--	--	--	--	--	0.0059	--	0.045	--	--	--	--	<0.005	--	--
1,2-Dichloroethane	--	0.47	2.06	0.03	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,1-Dichloroethene	--	82.9	353	4.18	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
cis-1,2-Dichloroethene	--	18.5	84.9	1.57	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
trans-1,2-Dichloroethene	--	135	604	14.2	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,2-Dichloropropane	--	1.00	4.40	0.06	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,3-Dichloropropane	--	0.57	2.50	0.04	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
2,2-Dichloropropane	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
1,1-Dichloropropene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Hexachlorobutadiene	--	1.20	5.30	0.062	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
4-Isopropyl Toluene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Isopropylbenzene	--	--	--	--	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Methylene chloride	--	1.88	24.6	0.19	--	<0.005	--	--	--	--	--	--	--	--	--	<0.005	--	<0.005	--	--	--	--	<0.005	--	--
Naphthalene	--	3.82	16.7	0.																					

Table 4 - continued.

Sample Name					DH-3-10	DH-3-20	DH-4-5	DH-4-10	DH-4-15	DH-4-20	DH-5-10	DH-5-15	DH-5-20	DH-6-5	DH-6-10	DH-7-5	DH-7-10	DH-7-15	DH-8-5	DH-8-10	DH-8-15	DH-9-5	DH-9-10	DH-10-5	DH-10-10	DH-12-10	DH-12-15		
Date					3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	3/22/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	3/23/2021	3/23/2021	3/23/2021	9/29/2021	9/29/2021	3/23/2021	3/23/2021	3/23/2021	3/23/2021		
Depth (feet)					10.0	20.0	5.0	10.0	15.0	20.0	10.0	15.0	20.0	5.0	10.0	5.0	10.0	15.0	5.0	10.0	15.0	5.0	10.0	5.0	10.0	10.0	15.0		
Analyte	Maximum Soil Screening Level	Residential Shallow Soil Exposure ESL	Commercial Shallow Soil Exposure ESL	Leaching to Non-Drinking Water ESL																									
Benzene	0.011	0.33	1.45	0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.05	<0.005		
Ethylbenzene	0.7	5.89	25.9	0.43	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.05	<0.005		
Toluene	0.3	1107	5328	10.3	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.05	<0.005		
Xylenes (total)	1.75	579	2496	10.4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.048	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.0049	<0.05	<0.005		
Bromobenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Bromochloromethane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Bromodichloromethane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Bromoform	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Bromomethane	--	6.89	30.3	0.83	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
n-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
sec-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
tert-Butylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Carbon tetrachloride	--	0.62	2.73	0.08	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Chlorobenzene	--	275	1321	1.44	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Chloroethane	--	13964	58647	11.51	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Chloroform	--	0.32	1.40	0.02	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Chloromethane	--	113	475	14.8	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
2-Chlorotoluene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
4-Chlorotoluene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Dibromochloromethane	--	8.28	38.9	11.2	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	--	0.0044	0.06	0.001	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dibromoethane (EDB)	--	0.036	0.16	0.002	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Dibromomethane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichlorobenzene	--	1824	9417	1.05	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,3-Dichlorobenzene	--	--	--	7.40	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,4-Dichlorobenzene	--	2.65	11.6	0.20	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Dichlorodifluoromethane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1-Dichloroethane	--	3.58	15.7	0.31	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichloroethane	--	0.47	2.06	0.03	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1-Dichloroethene	--	82.9	353	4.18	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
cis-1,2-Dichloroethene	--	18.5	84.9	1.57	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
trans-1,2-Dichloroethene	--	135	604	14.2	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2-Dichloropropane	--	1.00	4.40	0.06	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,3-Dichloropropane	--	0.57	2.50	0.04	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
2,2-Dichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
cis-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
trans-1,3-Dichloropropene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Hexachlorobutadiene	--	1.20	5.30	0.062	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
4-Isopropyl Toluene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Isopropylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Methylene chloride	--	1.88	24.6	0.19	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Naphthalene	--	3.82	16.7	0.042	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
n-Propylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Styrene	--	5711	32521	10.1	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1,1,2-Tetrachloroethane	--	2.03	8.93	0.11	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1,2,2-Tetrachloroethane	--	0.61	2.69	0.06	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Tetrachloroethene (PCE)	--	0.59	2.68	0.08	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2,3-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2,4-Trichlorobenzene	--	24.0	113	6.03	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1,1-Trichloroethane	--	1718	7274	7.04	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,1,2-Trichloroethane	--	1.15	5.07	0.08	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Trichloroethene (TCE)	--	0.95	6.11	0.08	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Trichlorofluoromethane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2,3-Trichloropropane	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,2,4-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		
Vinyl chloride	--	0.0083	0.15	0.0015	--	--	--	--	--	--	--	--	<0.005	--	--	<0.005	--	--	--	--	--	--	--	--	--	--	--		

Sample Name					DH-13-5	DH-13-10	DH-13-20	DH-14-5	DH-14-10	DH-15-10	DH-15-15	DH-15-20	DH-16-5	DH-16-10	DH-17-5	DH-17-10	DH-17-15	DH-18-5	DH-18-10	DH-18-15	DH-18-20	DH-19-5	DH-19-10	DH-20-5	DH-20-10	DH-21-5	DH-21-10		
Date					3/23/2021	3/23/2021	3/23/2021	3/24/2021	3/24/2021	3/24/2021	3/24/2021	3/24/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021		
Depth (feet)					5.0	10.0	20.0	5.0	10.0	10.0	15.0	20.0	5.0	10.0	5.0	10.0	15.0	5.0	10.0	15.0	20.0	5.0	10.0	5.0	10.0	5.0	10.0		
Analyte	Maximum Soil Screening Level	Residential Shallow Soil Exposure ESL	Commercial Shallow Soil Exposure ESL	Leaching to Non-Drinking Water ESL																									
Benzene	0.011	0.33	1.45	0.03	<0.049	<0.25	<0.005	<0.005	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.0045		
Ethylbenzene	0.7	5.89	25.9	0.43	<0.049	<0.25	<0.005	<0.005	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.0045		
Toluene	0.3	1107	5328	10.3	<0.049	<0.25	<0.005	<0.005	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.0045		
Xylenes (total)	1.75	579	2496	10.4	<0.049	<0.25	<0.005	<0.005	<0.0049	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0049	<0.005	<0.005	<0.005	<0.0045		
Bromobenzene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Bromochloromethane	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Bromodichloromethane	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Bromoform	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Bromomethane	--	6.89	30.3	0.83	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
n-Butylbenzene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
sec-Butylbenzene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
tert-Butylbenzene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	0.0036J	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Carbon tetrachloride	--	0.62	2.73	0.08	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Chlorobenzene	--	275	1321	1.44	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Chloroethane	--	13964	58647	11.51	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Chloroform	--	0.32	1.40	0.02	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Chloromethane	--	113	475	14.8	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
2-Chlorotoluene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
4-Chlorotoluene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Dibromochloromethane	--	8.28	38.9	11.2	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,2-Dibromo-3-chloropropane	--	0.0044	0.06	0.001	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,2-Dibromoethane (EDB)	--	0.036	0.16	0.002	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Dibromomethane	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,2-Dichlorobenzene	--	1824	9417	1.05	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,3-Dichlorobenzene	--	--	--	7.40	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,4-Dichlorobenzene	--	2.65	11.6	0.20	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
Dichlorodifluoromethane	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,1-Dichloroethane	--	3.58	15.7	0.31	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,2-Dichloroethane	--	0.47	2.06	0.03	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,1-Dichloroethene	--	82.9	353	4.18	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
cis-1,2-Dichloroethene	--	18.5	84.9	1.57	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
trans-1,2-Dichloroethene	--	135	604	14.2	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,2-Dichloropropane	--	1.00	4.40	0.06	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,3-Dichloropropane	--	0.57	2.50	0.04	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
2,2-Dichloropropane	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
1,1-Dichloropropene	--	--	--	--	--	<0.25	--	--	--	--	--	--	<0.005	--	--	--	<0.0049	<0.005	<0.005	--	--	<0.005	--	--	--	--	--		
cis																													

Table 4 - continued.

Table 4 - continued.

Sample Name					DH-22-5	DH-22-10	DH-22-15	DH-23-5	DH-23-10	DH-23-15	DH-24-30	DH-25-30
Date					9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	11/1/2021	11/1/2021
Depth (feet)					5.0	10.0	15.0	5.0	10.0	15.0	30.0	30.0
Analyte	Maximum Soil Screening Level	Residential Shallow Soil Exposure ESL	Commercial Shallow Soil Exposure ESL	Leaching to Non-Drinking Water ESL								
Benzene	0.011	0.33	1.45	0.03	<0.005	<0.25	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049
Ethylbenzene	0.7	5.89	25.9	0.43	<0.005	<0.25	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049
Toluene	0.3	1107	5328	10.3	<0.005	<0.25	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049
Xylenes (total)	1.75	579	2496	10.4	<0.005	<0.25	<0.0049	<0.005	<0.005	<0.005	<0.005	<0.0049
Bromobenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Bromochloromethane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Bromodichloromethane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Bromoform	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Bromomethane	--	6.89	30.3	0.83	--	<0.25	--	<0.005	--	--	--	--
n-Butylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Carbon tetrachloride	--	0.62	2.73	0.08	--	<0.25	--	<0.005	--	--	--	--
Chlorobenzene	--	275	1321	1.44	--	<0.25	--	<0.005	--	--	--	--
Chloroethane	--	13964	58647	11.51	--	<0.25	--	<0.005	--	--	--	--
Chloroform	--	0.32	1.40	0.02	--	<0.25	--	<0.005	--	--	--	--
Chloromethane	--	113	475	14.8	--	<0.25	--	<0.005	--	--	--	--
2-Chlorotoluene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
4-Chlorotoluene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Dibromochloromethane	--	8.28	38.9	11.2	--	<0.25	--	<0.005	--	--	--	--
1,2-Dibromo-3-chloropropane	--	0.0044	0.06	0.001	--	<0.25	--	<0.005	--	--	--	--
1,2-Dibromoethane (EDB)	--	0.036	0.16	0.002	--	<0.25	--	<0.005	--	--	--	--
Dibromomethane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,2-Dichlorobenzene	--	1824	9417	1.05	--	<0.25	--	<0.005	--	--	--	--
1,3-Dichlorobenzene	--	--	--	7.40	--	<0.25	--	<0.005	--	--	--	--
1,4-Dichlorobenzene	--	2.65	11.6	0.20	--	<0.25	--	<0.005	--	--	--	--
Dichlorodifluoromethane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,1-Dichloroethane	--	3.58	15.7	0.31	--	<0.25	--	<0.005	--	--	--	--
1,2-Dichloroethane	--	0.47	2.06	0.03	--	<0.25	--	<0.005	--	--	--	--
1,1-Dichloroethene	--	82.9	353	4.18	--	<0.25	--	<0.005	--	--	--	--
cis-1,2-Dichloroethene	--	18.5	84.9	1.57	--	<0.25	--	<0.005	--	--	--	--
trans-1,2-Dichloroethene	--	135	604	14.2	--	<0.25	--	<0.005	--	--	--	--
1,2-Dichloropropane	--	1.00	4.40	0.06	--	<0.25	--	<0.005	--	--	--	--
1,3-Dichloropropane	--	0.57	2.50	0.04	--	<0.25	--	<0.005	--	--	--	--
2,2-Dichloropropane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,1-Dichloropropene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
cis-1,3-Dichloropropene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
trans-1,3-Dichloropropene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Hexachlorobutadiene	--	1.20	5.30	0.062	--	<0.25	--	<0.005	--	--	--	--
4-Isopropyl Toluene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Isopropylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Methylene chloride	--	1.88	24.6	0.19	--	<0.25	--	<0.005	--	--	--	--
Naphthalene	--	3.82	16.7	0.042	--	<0.25	--	<0.005	--	--	--	--
n-Propylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Styrene	--	5711	32521	10.1	--	<0.25	--	<0.005	--	--	--	--
1,1,1,2-Tetrachloroethane	--	2.03	8.93	0.11	--	<0.25	--	<0.005	--	--	--	--
1,1,2,2-Tetrachloroethane	--	0.61	2.69	0.06	--	<0.25	--	<0.005	--	--	--	--
Tetrachloroethene (PCE)	--	0.59	2.68	0.08	--	<0.25	--	<0.005	--	--	--	--
1,2,3-Trichlorobenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,2,4-Trichlorobenzene	--	24.0	113	6.03	--	<0.25	--	<0.005	--	--	--	--
1,1,1-Trichloroethane	--	1718	7274	7.04	--	<0.25	--	<0.005	--	--	--	--
1,1,2-Trichloroethane	--	1.15	5.07	0.08	--	<0.25	--	<0.005	--	--	--	--
Trichloroethene (TCE)	--	0.95	6.11	0.08	--	<0.25	--	<0.005	--	--	--	--
Trichlorofluoromethane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,2,3-Trichloropropane	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,2,4-Trimethylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	<0.25	--	<0.005	--	--	--	--
Vinyl chloride	--	0.0083	0.15	0.0015	--	<0.25	--	<0.005	--	--	--	--

Notes:
VOCs = Volatile Organic Compounds by U.S. EPA method 8260B
Maximum Soil Screening Level (orange) = RWQCB-LA, May 1996 Guidbook, distance above groundwater <20-feet
ESL (gold) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Residential: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.
ESL (green) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.
ESL (aqua) = Environmental Screening Levels, Leaching to Groundwater Levels (Table S-3) Non-Drinking Water, San Francisco Bay Regional Water Quality Control Board.
Bold value indicates result in excess of the method reporting limit.
Shaded value indicates result exceeds the applicable screening level value.
< = not detected at or above the analytical method reporting limit
J = estimated value between the analytical method detection limit and reporting limit
--= No Data / Not Analyzed

Table 5. Laboratory Analytical Results for Soil Samples - Polycyclic Aromatic Hydrocarbons

Onshore Facility

Laboratory analytical results presented in milligrams per kilogram (mg/kg), parts per million (ppm).

Sample Name	Date	Depth (feet)	Acenaphthene	Acenaphthylene	Anthracene	Benz (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Benzo (a) pyrene	Benzo (g,h,i) perylene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
Residential Shallow Soil Exposure ESL			3586	--	17932	1.12	1.15	11.5	0.115	--	115	0.115	2391	2391	1.15	3.82	--	1793
Commercial Shallow Soil Exposure ESL			45207	--	226034	20.2	21.1	211	2.11	--	2107	2.11	30138	30138	21.1	16.7	--	22603
Leaching to Non-Drinking Water ESL			12.5	6.36	1.94	10.2	74.7	39.2	5.66	26.6	10.5	394	85.8	94.0	31.5	1.15	10.7	45.4
145-15-103119-4	10/31/2019	8.0	0.039	<0.02	<0.02	0.041	0.029	0.043	0.021 J	0.013 J	0.049	<0.04	0.15	0.079	0.015 J	0.032 J	0.19	0.16
DH-5-15	3/22/2021	15.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
DH-13-10	3/23/2021	10.0	0.70	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.18 J	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
DH-1-5	9/29/2021	5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DH-7-5	9/29/2021	5.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
DH-17-15	9/29/2021	15.0	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80

Notes:

PAHs = Polynuclear Aromatic Hydrocarbons by U.S. EPA method 8270-SIM

ESL (gold) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Residential: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.

ESL (green) = Environmental Screening Levels, Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial: Shallow Soil Exposure, San Francisco Bay Regional Water Quality Control Board.

ESL (aqua) = Environmental Screening Levels, Leaching to Groundwater Levels (Table S-3) Non-Drinking Water, San Francisco Bay Regional Water Quality Control Board.

Bold value indicates result in excess of the method reporting limit.

Shaded value indicates result exceeds the applicable screening level value.

< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

Table 6. Laboratory Analytical Results for Soil Samples - Semi-Volatile Organic Compounds
Onshore Facility

Laboratory analytical results presented in milligrams per kilogram (mg/kg), parts per million (ppm).

Sample Name	DH-1-5	DH-7-5	DH-16-5	DH-17-15	DH-18-5	DH-18-10	DH-19-5	DH-22-10	DH-23-5
Date	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
Depth (feet)	5.0	5.0	5.0	15.0	5.0	10.0	5.0	10.0	5.0
Aniline	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Azobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Benzoic acid	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Benzyl alcohol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
bis(2-Chloro-1-methylethyl)ether	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Bis(2-chloroethoxy)methane	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Bis(2-chloroethyl)ether	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Bis(2-ethylhexyl) phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Bromophenyl phenyl ether	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Butyl benzyl phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Carbazole	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Chloro-3-methylphenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Chloroaniline	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2-Chloronaphthalene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2-Chlorophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Chlorophenyl phenyl ether	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Dibenzofuran	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
1,2-Dichlorobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
1,3-Dichlorobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
1,4-Dichlorobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
3,3'-Dichlorobenzidine	<0.50	<0.50	<0.50	<4.0	<0.50	<0.50	<0.10	<20	<0.50
2,4-Dichlorophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Diethyl phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Dimethyl phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,4-Dimethylphenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Di-n-butyl phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4,6-Dinitro-2-methylphenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,4-Dinitrophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,4-Dinitrotoluene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,6-Dinitrotoluene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Di-n-octyl phthalate	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Hexachlorobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Hexachlorobutadiene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Hexachlorocyclopentadiene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Hexachloroethane	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Isophorone	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2-Methylnaphthalene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2-Methylphenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
3 & 4-Methylphenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10

Table 6 - continued.

Sample Name	DH-1-5	DH-7-5	DH-16-5	DH-17-15	DH-18-5	DH-18-10	DH-19-5	DH-22-10	DH-23-5
Date	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
Depth (feet)	5.0	5.0	5.0	15.0	5.0	10.0	5.0	10.0	5.0
2-Nitroaniline	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
3-Nitroaniline	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Nitroaniline	<0.25	<0.25	<0.25	<2.0	<0.25	<0.25	<0.50	<10	<0.25
Nitrobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2-Nitrophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
4-Nitrophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
N-Nitrosodimethylamine	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
N-Nitrosodi-n-propylamine	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
N-Nitrosodiphenylamine	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Pentachlorophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Phenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
Pyridine	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
1,2,4-Trichlorobenzene	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,4,5-Trichlorophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10
2,4,6-Trichlorophenol	<0.10	<0.10	<0.10	<0.80	<0.10	<0.10	<0.20	<4.0	<0.10

Notes:

SVOCs - Semi-Volatile Organic Compounds by U.S. EPA method 8270C.

Bold value indicates result in excess of the method reporting limit.

< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

Table 7. Laboratory Analytical Results for Soil Samples - Title 22/CAM 17 Metals
Onshore Facility
Laboratory analytical results presented in milligrams per kilogram (mg/kg), parts per million (ppm).

Sample Name	Date	Depth (feet)	Antimony	Arsenic*	Barium	STLC Barium	Beryllium	Cadmium	STLC Cadmium	Chromium**	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium***	Vanadium	Zinc
STLC (mg/L)			15	5	--	100	0.75	--	1.0	--	80	25	5.0	--	350	20	1.0	5.0	7.0	24	250
TCLP (mg/L)			--	5	--	100	--	1.0	--	5.0	--	--	5.0	--	--	--	1.0	5.0	--	--	--
TTLC (mg/kg)			500	50	10,000	--	75	100	--	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
Residential: Shallow Soil Exposure ESL			11	12 ⁽¹⁾	15305	--	1591	909	--	160	424	3129	82	13	391	14686	391	391	25 ⁽³⁾	393	23464
Commercial/Industrial: Shallow Soil Exposure ESL			164	--	216611	--	6950	3971	--	--	1853	46720	385	187	5840	64150	5840	5840	--	5829	350400
Hobson 10-090619-1	9/6/2019	5.0	<2.4	2.0	120	--	<0.48	<0.24	--	10	1.1	2.1	2.6	0.018 J	<0.48	5.9	<1.9	<0.48	0.64 J	6.7	9.4
Hobson 10-090619-2	9/6/2019	3.0	<2.4	4.5	1,100	23	0.24 J	0.45	--	27	4.3	11	14	0.25	2.5	27	<1.9	<0.48	1.6	23	83
Hobson 10-090619-3	9/6/2019	3.0	<2.4	2.1	67	--	<0.48	<0.24	--	14	1.0	1.4	2.3	0.019 J	<0.48	6.1	<1.9	<0.48	0.68 J	7.1	8.7
Hobson 10-090619-4	9/6/2019	9.0	<2.5	2.5	640	--	<0.5	<0.25	--	11	1.8	4.8	8.1	0.093	0.88	11	<2.0	<0.5	1.1	12	31
Hobson 13-091619-1	9/16/2019	8.0	<2.3	2.2	48	--	<0.47	<0.23	--	8.2	1.1	2.1	1.9	0.026 J	<0.47	6.6	<1.9	<0.47	0.61 J	7.2	8.2
Hobson 13-091619-2	9/16/2019	6.0	<2.4	1.6 J	220	--	<0.48	<0.24	--	7.9	1.1	2.1	4.1	0.21	<0.48	5.9	<1.9	<0.48	0.55 J	6.0	11
Hobson 13-091619-3	9/16/2019	4.0	<2.4	1.6 J	1,000	4.8	<0.48	<0.24	--	16	1.5	3.1	4.8	0.067 J	0.24 J	6.0	<1.9	<0.48	0.68 J	6.7	17
Hobson 13-091619-4	9/16/2019	4.0	<2.4	2.5	34	--	<0.47	<0.24	--	6.1	1.1	2.7	2.4	0.093 J	0.64	5.1	<1.9	<0.47	0.62 J	6.8	12
145-15-103119-1	10/31/2019	5.0	<2.4	5.7	170	--	0.37 J	0.72	--	28	6.0	17	6.8	0.026 J	3.7	51	<2.0	<0.49	2.9	42	59
145-15-103119-2	10/31/2019	6.5	<2.4	4.3	160	--	0.26 J	<0.24	--	18	4.0	14	7.8	0.047 J	2.1	30	<1.9	<0.48	2.2	27	44
145-15-103119-3	10/31/2019	7.5	<2.5	3.7	800	--	0.28 J	0.26	--	19	5.5	14	23	0.11	2.4	34	<2.0	<0.5	2.3	29	55
145-15-103119-4	10/31/2019	8.0	<2.4	4.3	1,500	9.4	0.28 J	17	0.042 J	15	3.4	17	29	0.071 J	4.5	23	<1.9	<0.48	1.9	26	85
PRC145-16-082619-1	8/26/2019	7.0	<2.4	4.6	180	--	0.34 J	3.3	--	27	9.7	17	3.6	0.03 J	8.2	56	<1.9	<0.48	2.5	63	60
PRC145-16-082619-2	8/26/2019	10	<2.3	4.9	280	--	0.32 J	1.4	--	22	4.5	16	5.6	0.025 J	4.9	39	<1.8	<0.46	1.6	40	59
PRC145-16-082619-3	8/26/2019	4.0	<2.5	2.5	40	--	<0.5	<0.25	--	10	2.9	5.9	2.7	0.011 J	0.66	16	<2.0	<0.5	0.87 J	9.6	17
PRC145-16-082619-4	8/26/2019	5.0	<2.5	4.3	55	--	0.26 J	<0.25	--	17	5.3	12	4.9	0.019 J	1.7	28	<2.0	<0.49	0.72 J	18	35
DH-1-5	9/29/2021	5.0	<2.5	1.9J	13	--	<0.50	<0.25	--	9	2.3	4.1	2.5	0.020J	0.42J	13	<2.0	<0.50	<0.99	7.3	13
DH-5-15	3/22/2021	15	<2.4	4.3	18	--	<0.48	<0.24	--	5.0	0.55	0.59 J	0.77	<0.092	<0.48	4.0	<1.9	<0.48	<0.97	4.4	4.8
DH-6-10	3/22/2021	10	<2.4	1.6 J	44	--	<0.49	<0.24	--	7.9	0.89	0.84 J	1.2	0.011 J	<0.49	5.7	<2.0	<0.49	<0.98	7.9	6.1
DH-7-10	3/23/2021	10	<2.4	4.3	34	--	<0.49	<0.24	--	6.7	2.3	5.8	2.6	0.016 J	0.46 J	11	<2.0	<0.49	<0.98	9.0	54
DH-9-10	3/23/2021	10	<2.5	4.0	14	--	<0.49	<0.25	--	4.4	0.63	0.61 J	0.7	<0.094	<0.49	4.1	<2.0	<0.49	<0.98	3.9	5.7
DH-13-10	3/23/2021	10	<2.3	3.1	20	--	<0.47	<0.23	--	4.6	0.7	0.59 J	0.57	0.02 J	<0.47	5.1	<1.9	<0.47	<0.93	6.4	5.3
DH-7-5	9/29/2021	5.0	<2.4	4.2	74	--	<0.49	<0.24	--	23	5.2	12	5.2	0.050J	2.2	37	<2.0	<0.49	<0.98	26	39
DH-16-5	9/29/2021	5.0	<2.4	2.8	180	--	<0.48	<0.24	--	27	2.0	5.9	4.5	0.030J	0.54	12	<1.9	<0.48	<0.96	14	16
DH-17-15	9/29/2021	15.0	<2.4	3.6	200	--	<0.48	0.17J	--	17	3.6	11	6.9	0.034J	2.2	18	<1.9	<0.48	<0.95	23	37

Table 7 - continued.

Sample Name	Date	Depth (feet)	Antimony	Arsenic*	Barium	STLC Barium	Beryllium	Cadmium	STLC Cadmium	Chromium**	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium***	Vanadium	Zinc
STLC (mg/L)			15	5	--	100	0.75	--	1.0	--	80	25	5.0	--	350	20	1.0	5.0	7.0	24	250
TCLP (mg/L)			--	5	--	100	--	1.0	--	5.0	--	--	5.0	--	--	--	1.0	5.0	--	--	--
TTLC (mg/kg)			500	50	10,000	--	75	100	--	500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
Residential: Shallow Soil Exposure ESL			11	12 ⁽¹⁾	15305	--	1591	909	--	160	424	3129	82	13	391	14686	391	391	25 ⁽³⁾	393	23464
Commercial/Industrial: Shallow Soil Exposure ESL			164	--	216611	--	6950	3971	--	--	1853	46720	385	187	5840	64150	5840	5840	--	5829	350400
DH-18-5	9/30/2021	5.0	<2.3	4.7	160	--	<0.46	1.2	--	24	5.5	16	5.0	0.053J	4.5	42	<1.8	<0.46	<0.91	42	49
DH-18-10	9/30/2021	10.0	<2.4	1.5J	70	--	<0.48	<0.24	--	6.7	2.2	4.7	2.1	0.028J	1.3	9.4	<1.9	<0.48	<0.96	12	16
DH-19-5	9/30/2021	5.0	<2.5	5.0	150	--	<0.49	1.7	--	25	4.8	15	5.1	0.045J	4.2	41	<2.0	<0.49	<0.99	47	53
DH-22-10	9/30/2021	10.0	<2.5	3.7	75	--	<0.50	<0.25	--	8.9	0.93	2.1	1.3	0.026J	0.89	8.0	<2.0	<0.50	<1.0	9.3	8.9
DH-23-5	9/30/2021	5.0	<2.3	3.7	310	--	<0.47	<0.23	--	26	6.3	17	8.0	0.046J	0.65	36	<1.9	<0.47	<0.93	23	56

Notes:

Title 22/CAM 17 metals by U.S. EPA method 6000/7000 series

TTLC - Total Threshold Limit Concentration

STLC - Soluble Threshold Limit Concentration

TCLP - Toxicity Characteristic Leaching Procedure

Environmental Screening Level - San Francisco Bay Regional Water Quality Control Board, 2019 (Revision 2),

Direct Exposure Human Health Risk Levels (Table S-1) Residential: Shallow Soil Exposure and Commercial/Industrial: Shallow Soil Exposure

* = Arsenic background value of 12 mg/kg was obtained from *California DTSC - Determination of a Southern California Regional Background Arsenic Concentration in Soil and Naturally Occurring Concentration*, <https://www.dtsc.ca.gov/upload/background-arsenic.pdf>

** = Chromium (total) Terrestrial Habitat Levels (Table S-2) Minimally Vegetated Area

*** = Thallium background value of 25 mg/kg (95th percentile) was obtained from *California DTSC - Naturally Occurring Concentrations of Inorganic Chemicals in Ground Water and Soil at California Air Force Installations* <https://www.dtsc.ca.gov/assessingRisk/upload/Natural-Occur-Inorg-at-AF-Bases.pdf>

Bold value indicates result in excess of the method reporting limit.

Shaded value indicates result exceeds the applicable screening level value.

< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

**Table 8. Laboratory Analytical Results for Groundwater Samples - TPH and Salinity
Onshore Facility**

Laboratory analytical results presented in micrograms per liter (ug/l), parts per billion (ppb).

Sample Name	Date	TPH C4-C12	TPH C13-C22	TPH C23-C40	Salinity (ppt)
Freshwater Eco-Toxicity ESL		443	640	--	--
Saltwater Eco-Toxicity ESL		3700	640	--	--
MW-1	3/29/2021	<50	620	770	5.2
MW-2	3/29/2021	<50	590	970	2.7
MW-3	3/29/2021	<50	970	1,300	2.9
MW-4	3/29/2021	36 J	690	1,000	--
MW-6	3/29/2021	310	3,500	4,400	--
MW-7	10/1/2021	<50	74	66J	--
HP-093021-19	9/30/2021	<50	1,300	600	--
HP-093021-20	9/30/2021	<50	620	460	--
HP-110121-24	11/1/2021	<50	840	460	--
HP-110121-25	11/1/2021	<50	900	490	--

NOTES:

TPH - Total Petroleum Hydrocarbons by U.S. EPA method 8015M

Salinity by method SM2520B, parts per thousand

ESL (gold) = Environmental Screening Level, San Francisco Bay Regional Water Quality Control Board, 2019 (Rev. 2),

Aquatic Habitat Goal Levels (Table GW-2)

Results compared to lowest value between Freshwater Ecotox and Saltwater Ecotox values

MW = sample collected from a groundwater monitoring well

HP = temporary Hydropunch groundwater sample

Bold value indicates result in excess of the method reporting limit.

Shaded value indicates result exceeds the applicable screening level value.

< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

**Table 9. Laboratory Analytical Results for Groundwater Samples - BTEX
Onshore Facility**

Laboratory analytical results presented in micrograms per liter (ug/l), parts per billion (ppb).

Sample Name	Date	Benzene	Ethylbenzene	Toluene	Xylenes (total)
Freshwater Eco-Toxicity ESL		46	290	130	--
Saltwater Eco-Toxicity ESL		350	43	2500	100
MW-1	3/29/2021	0.32J	<0.5	<0.5	<0.5
MW-2	3/29/2021	<0.5	<0.5	<0.5	<0.5
MW-3	3/29/2021	<0.5	<0.5	<0.5	<0.5
MW-4	3/29/2021	<0.5	<0.5	<0.5	<0.5
MW-6	3/29/2021	<0.5	<0.5	<0.5	<0.5
MW-7	10/1/2021	0.63	<0.5	0.45J	<0.5
HP-093021-19	9/30/2021	0.26J	0.29J	0.49J	0.31J
HP-093021-20	9/30/2021	0.26J	0.27J	0.42J	<0.50
HP-110121-24	11/1/2021	<0.50	<0.50	<0.50	<0.50
HP-110121-25	11/1/2021	<0.50	<0.50	0.28J	<0.50

NOTES:

Benzene, Toluene, Ethylbenzene, and Total Xylenes by U.S. EPA method 8260B

ESL (gold) = Environmental Screening Level, Aquatic Habitat Goal Levels (Table GW-2),

San Francisco Bay Regional Water Quality Control Board, 2019 (Rev. 2).

Results compared to lowest value between Freshwater Ecotox and Saltwater Ecotox values

MW = sample collected from a groundwater monitoring well

HP = temporary Hydropunch groundwater sample

Bold value indicates result in excess of the method reporting limit.

Shaded value indicates result exceeds the applicable screening level value.

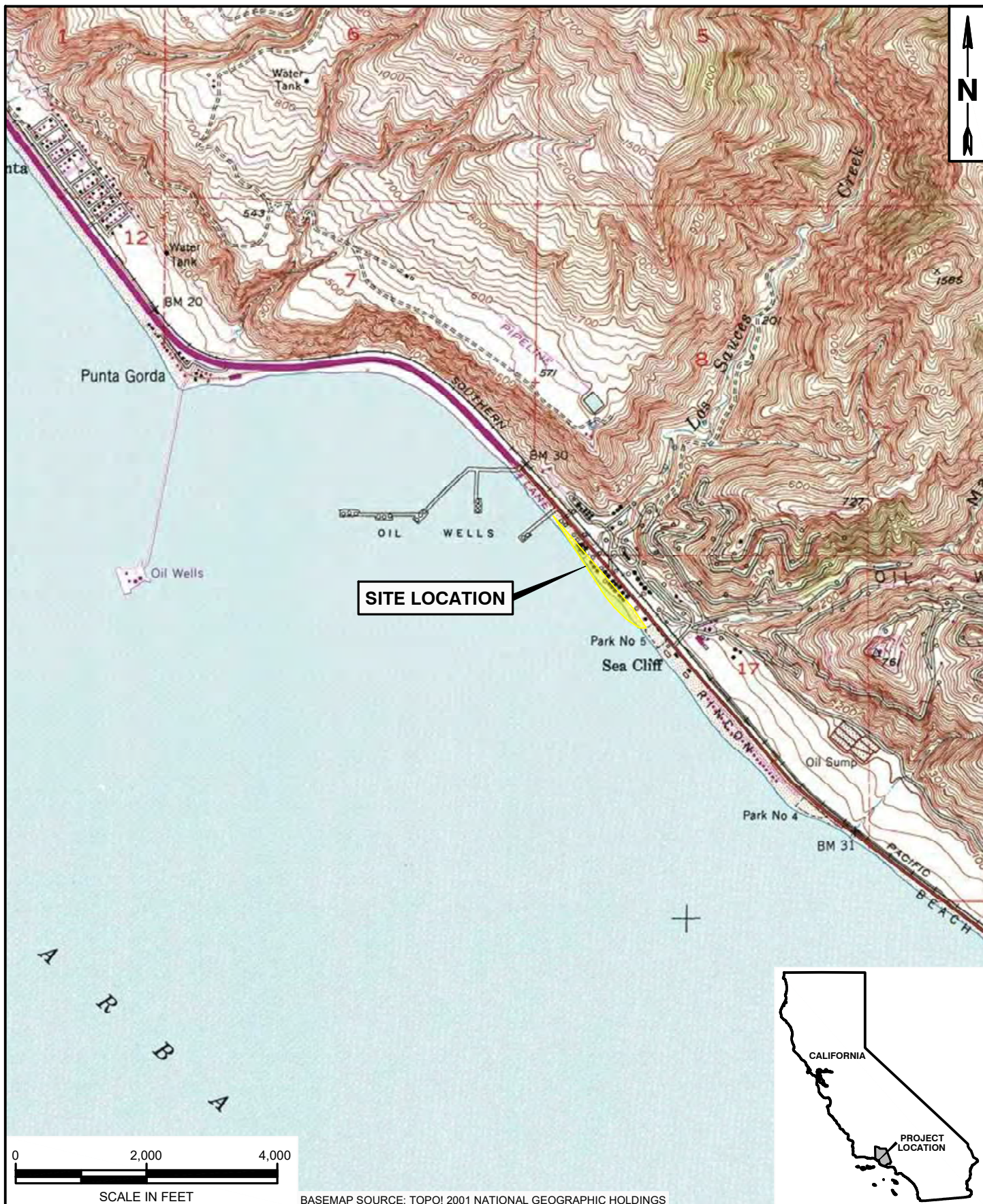
< = not detected at or above the analytical method reporting limit

J = estimated value between the analytical method detection limit and reporting limit

-- = No Data / Not Analyzed

PLATES

Z:\Current Projects\0000-0000 CAD MASTER DRAWINGS\PADRE VENTURA\Driftek Coast Ranch\Site Location Map.dwg, 2/21/2022 2:54:25 PM



padre
associates, inc.
ENGINEERS, GEOLOGISTS &
ENVIRONMENTAL SCIENTISTS

PROJECT NAME:
CSLC PROPERTY
RINCON ONSHORE FACILITY
VENTURA COUNTY, CALIFORNIA
PROJECT NUMBER: 2002-7861 DATE: December 2021

SITE LOCATION MAP

PLATE
1

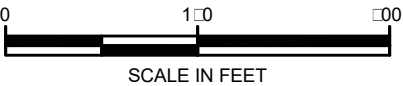
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LEGEND

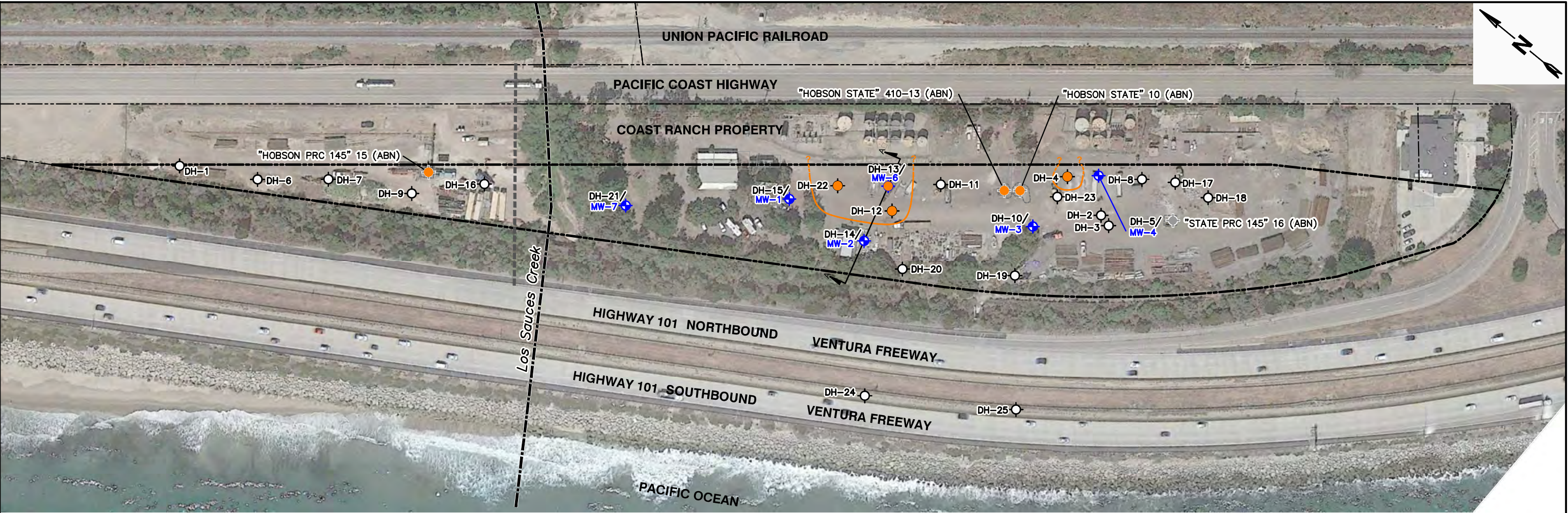
- ASSESSOR'S PARCEL BOUNDARY
- SITE BOUNDARY
- SITE FEATURES
- COMPLETED EXCAVATION AREA
- PIPELINE ALIGNMENT (BURIED)
- HOLLOW-STEM AUGER DRILL HOLE (BLACK SYMBOL)
- ABANDONED OIL WELL (GRAY SYMBOL)
- GROUNDWATER MONITORING WELL (BLUE SYMBOL)

- NOTES:
- ILLUSTRATED OIL WELL LOCATION ARE BASED ON CALGEM 2020 DATABASE
 - COORDINATE SYSTEM: NAD 83 STATE PLANE CALIFORNIA V FIPS 040 FEET
 - AERIAL BASEMAP SOURCE: GOOGLE EARTH PRO IMAGE DATE: 8-1-2011



 ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS	PROJECT NAME: CSLC PROPERTY RINCON ONSHORE FACILITY VENTURA COUNTY, CALIFORNIA	SITE PLAN	PLATE 2
	PROJECT NUMBER: 2002-7861 DATE: December 2021		

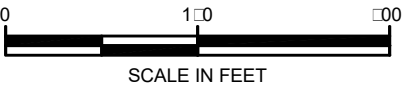
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LEGEND

- ASSESSOR'S PARCEL BOUNDARY
- SITE BOUNDARY
- SITE FEATURES
- COMPLETED EXCAVATION AREA
- PIPELINE ALIGNMENT (BURIED)
- HOLLOW-STEM AUGER DRILL HOLE (BLACK SYMBOL)
- ABANDONED OIL WELL (GRAY SYMBOL)
- GROUNDWATER MONITORING WELL (BLUE SYMBOL)
- GREATER THAN THE SOIL SCREENING LEVEL
DASHED (HERE INFERRED) ORANGE LINE
- LOCATION (HERE SOIL SAMPLE CONTAINED
PETROLEUM HYDROCARBON CONCENTRATIONS
IN EXCESS OF THE SOIL SCREENING LEVEL (ORANGE SYMBOL)
- LINE OF ELEVATION CROSS-SECTION

- NOTES:
- ILLUSTRATED OIL WELL LOCATION ARE BASED ON CALGEM 2020 DATABASE
 - COORDINATE SYSTEM: NAD 83 STATE PLANE CALIFORNIA V FIPS 040 FEET
 - AERIAL BASEMAP SOURCE: GOOGLE EARTH PRO IMAGE DATE: 8-1-2011
 - TPH = TOTAL PETROLEUM HYDROCARBONS
m = MILLIGRAMS PER KILOGRAM

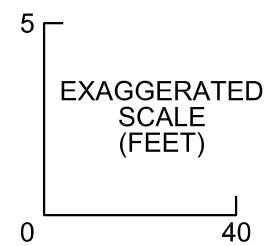
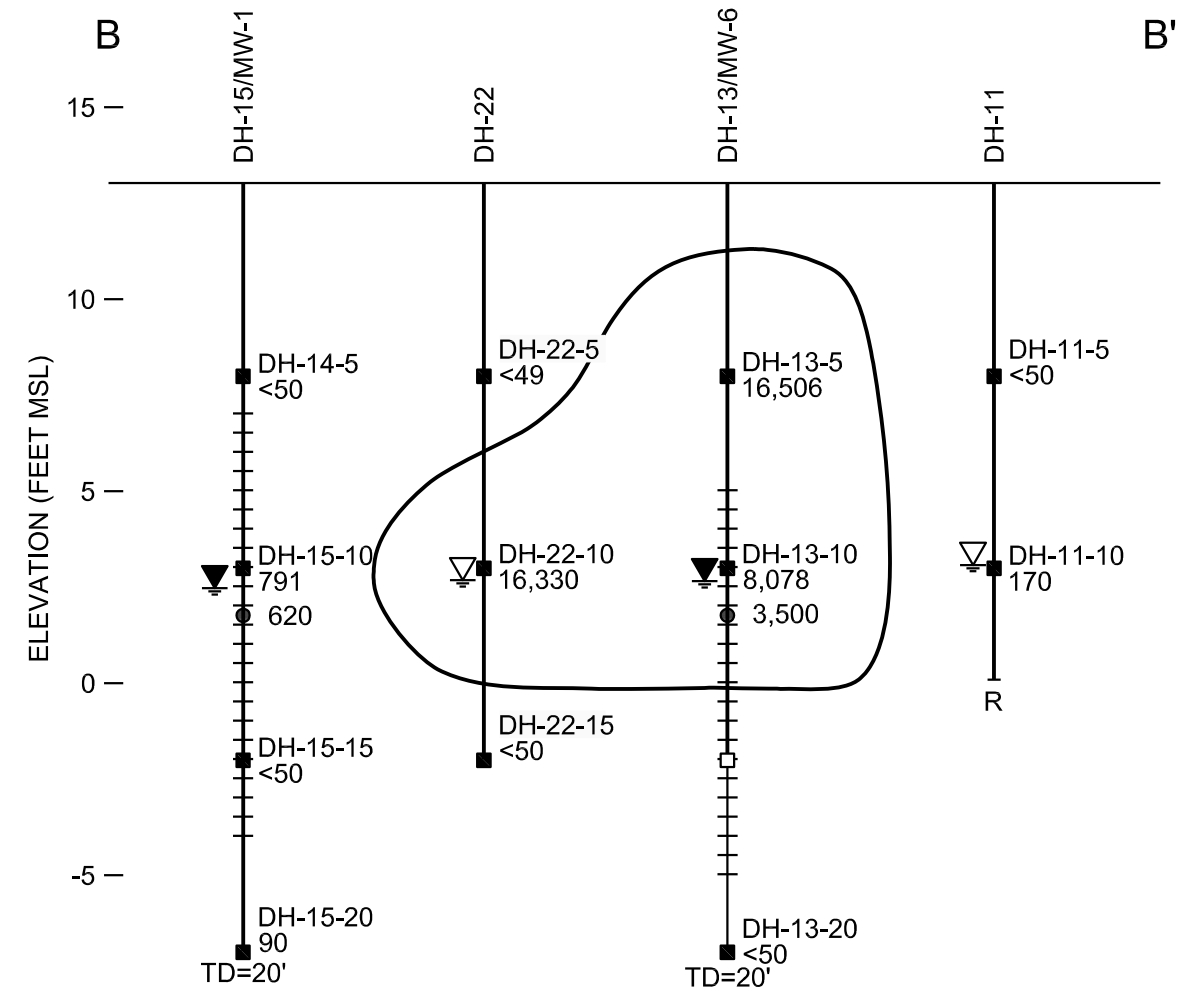
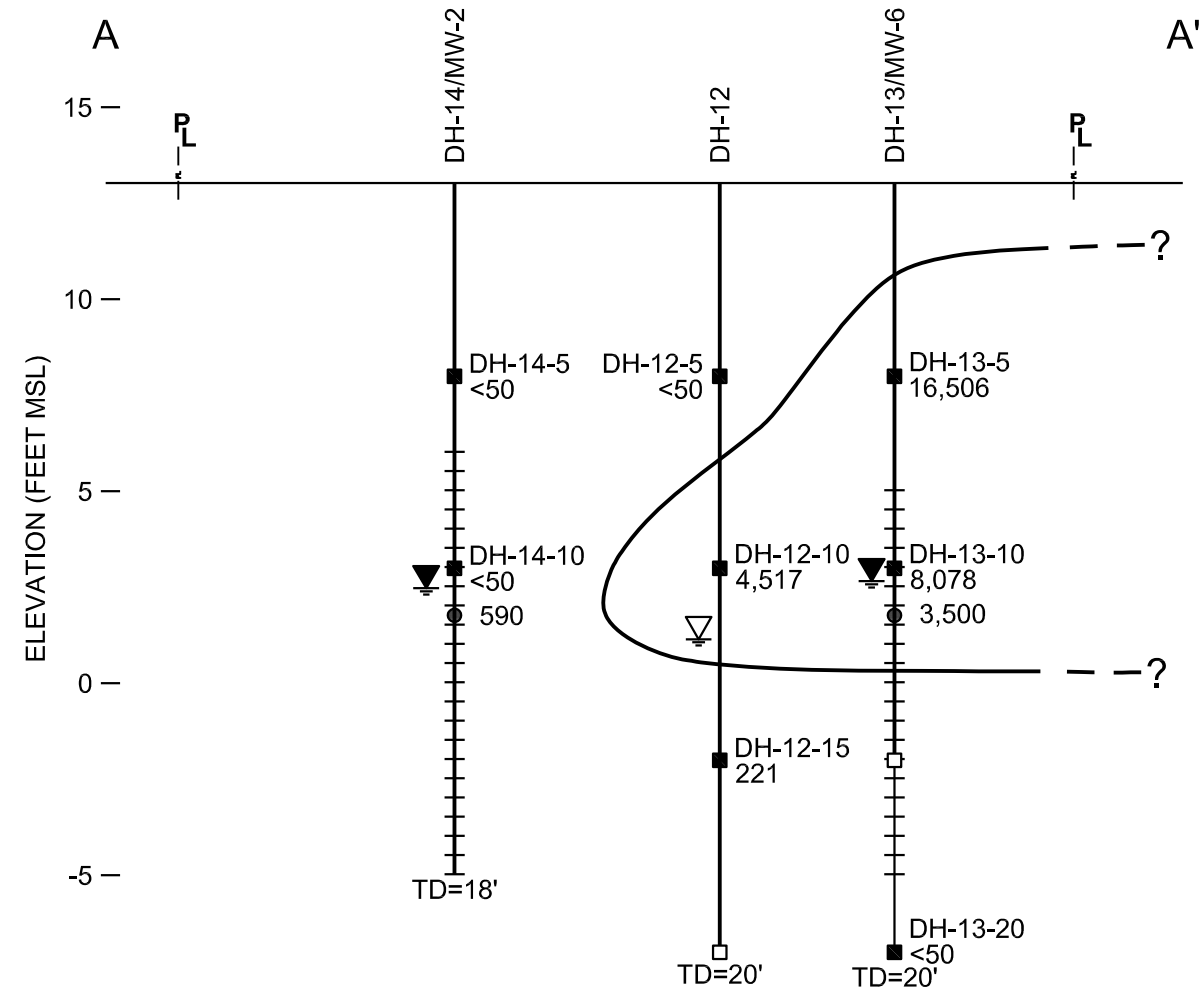


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associates, inc.
ENGINEERS, GEOLOGISTS &
ENVIRONMENTAL SCIENTISTS

PROJECT NAME:
CSLC PROPERTY
RINCON ONSHORE FACILITY
VENTURA COUNTY, CALIFORNIA
PROJECT NUMBER: 2002-7861 DATE: December 2021

DISTRIBUTION OF TOTAL
TPH ON SOIL

PLATE



LEGEND

- SOIL SAMPLE LOCATION WITH CORRESPONDING TOTAL TPH (C₄-C₄₀) CONCENTRATION IN MILLIGRAMS PER KILOGRAM (mg/kg)
- SOIL SAMPLE NOT ANALYZED
- ▽ GROUNDWATER ELEVATION - INITIAL
- ▼ GROUNDWATER ELEVATION - STATIC
- GROUNDWATER SAMPLE LOCATION WITH CORRESPONDING TPH IDENTIFIED AS DIESEL FUEL (C₁₃-C₂₂) IN MICROGRAMS PER LITER (μg/L)
- ⊢ GROUNDWATER MONITORING WELL SCREEN

? — — — LINE OF EQUAL TOTAL TPH CONCENTRATION - GREATER THAN MAXIMUM SOIL SCREENING LEVEL; TPH (C₁₃-C₂₂) = 100 mg/kg, TPH (C₂₃-C₄₀) = 1,000 mg/kg, TPH (C₄-C₄₀) = 100 mg/kg, DASHED WHERE INFERRED, QUERIED WHERE UNKNOWN

R REFUSAL

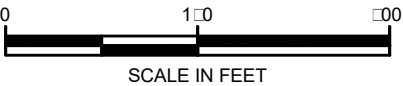
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LEGEND

- ASSESSOR'S PARCEL BOUNDARY
- SITE BOUNDARY
- ○ SITE FEATURES
- COMPLETED EXCAVATION AREA
- PIPELINE ALIGNMENT (BURIED)
- -STEM AUGER DRILL HOLE (BLACK SYMBOL)
- ABANDONED OIL WELL (GRAY SYMBOL)
- GROUNDWATER MONITORING WELL (BLUE SYMBOL)
- GROUNDWATER ELEVATION (FEET MSL)
- PETROLEUM HYDROCARBON IDENTIFIED AS DIESEL FUEL C1-C22 CONCENTRATIONS IN PARTS PER BILLION (PPB)
- BOLD TEXT INDICATES VALUE THAT EXCEEDS THE ENVIRONMENTAL SCREENING LEVEL (640 PPB) (BLUE TEXT)
- 0.007 ft/ft APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (ARROW)

- NOTES:
- ILLUSTRATED OIL WELL LOCATION ARE BASED ON CALGEM 2020 DATABASE
 - COORDINATE SYSTEM: NAD 83 STATE PLANE CALIFORNIA V FIPS 0403 FEET
 - AERIAL BASEMAP SOURCE: GOOGLE EARTH PRO IMAGE DATE: 8-1-2011
 - MSL = MEAN SEA LEVEL
 - PPB = PARTS PER BILLION



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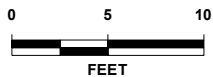
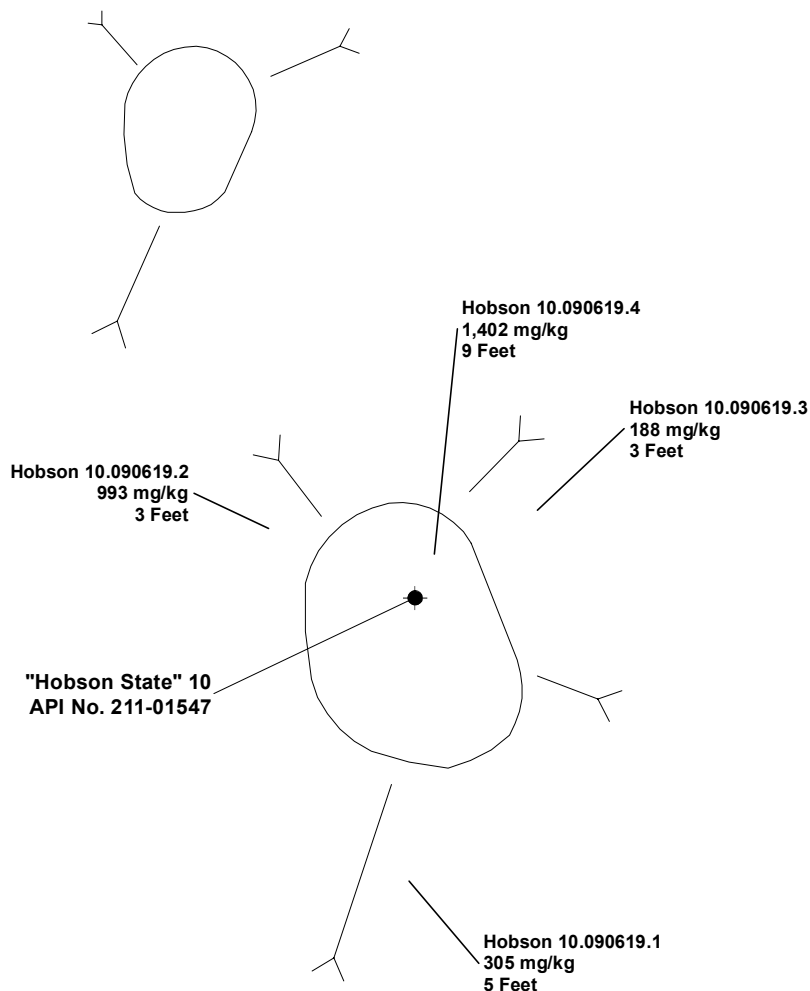
PROJECT NAME:
CSLC PROPERTY
RINCON ONSHORE FACILITY
VENTURA COUNTY, CALIFORNIA

PROJECT NUMBER: 2002-7861 DATE: December 2021

PETROLEUM HYDROCARBON
CONCENTRATIONS IN
GROUNDWATER

PLATE

□



Source: County of Ventura
Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet
Notes: This map was created for informational and display purposes only.

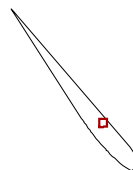
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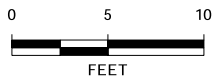
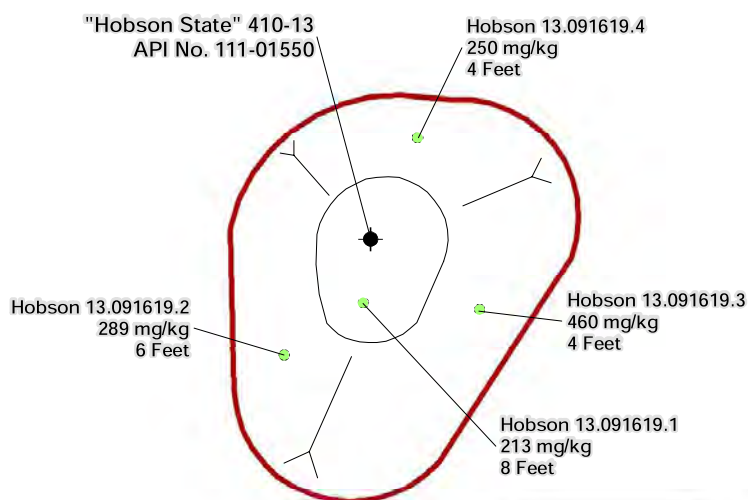
- Excavation
- Project Site

Soil Sample Location with Total TPH (C4-C40) concentrations in milligrams per kilogram (mg/kg), and depth (feet)

Abandoned Well Location

MAP EXTENT:





Source: County of Ventura
Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet
Notes: This map was created for informational and display purposes only.

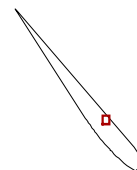
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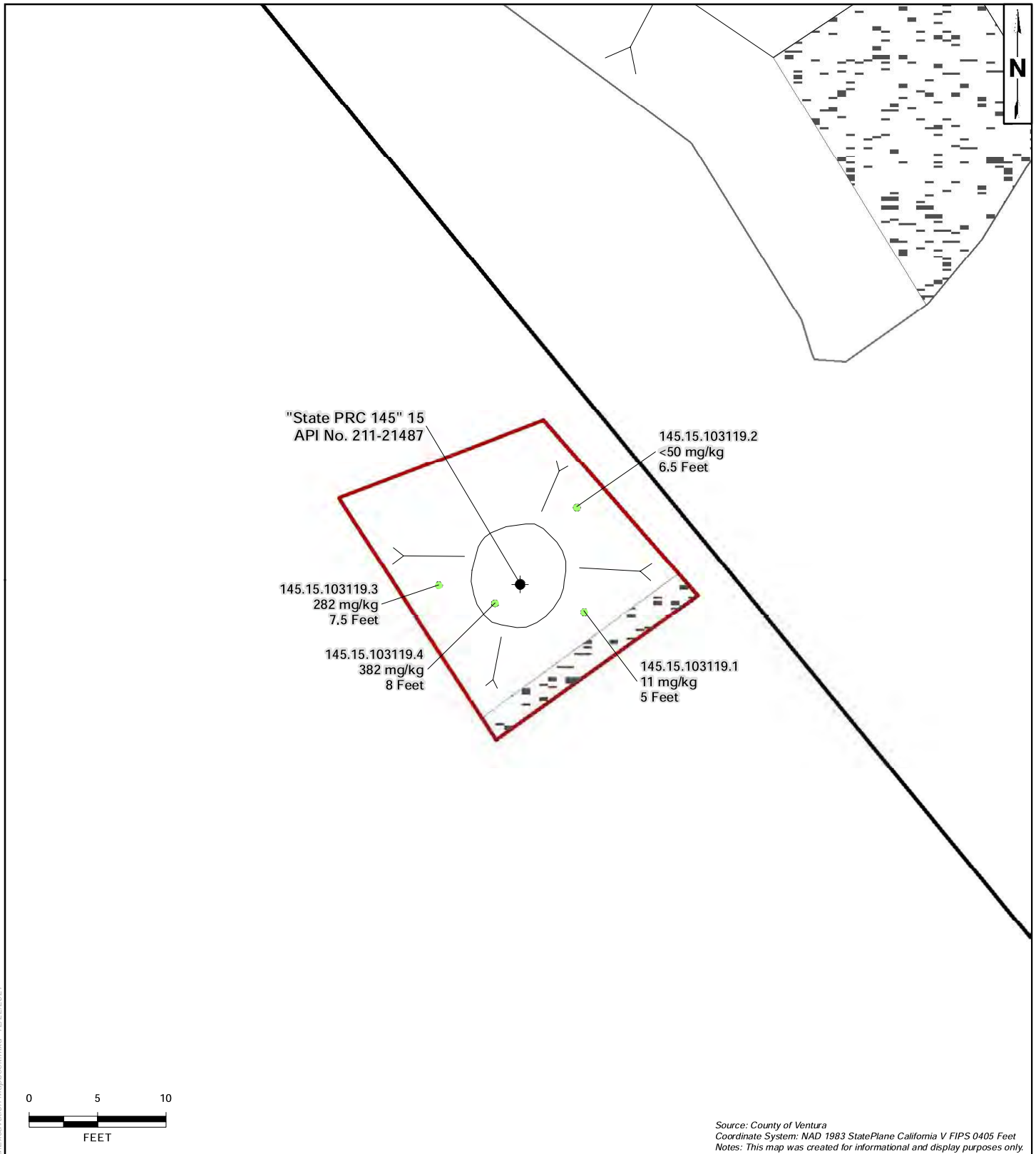
- Excavation
- Project Site

Soil Sample Location with Total
TPH (C4-C40) concentrations in
milligrams per kilogram (mg/kg),
and depth (feet)

Abandoned Well Location

MAP EXTENT:





Source: County of Ventura
 Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet
 Notes: This map was created for informational and display purposes only.

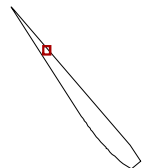
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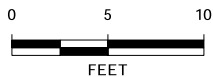
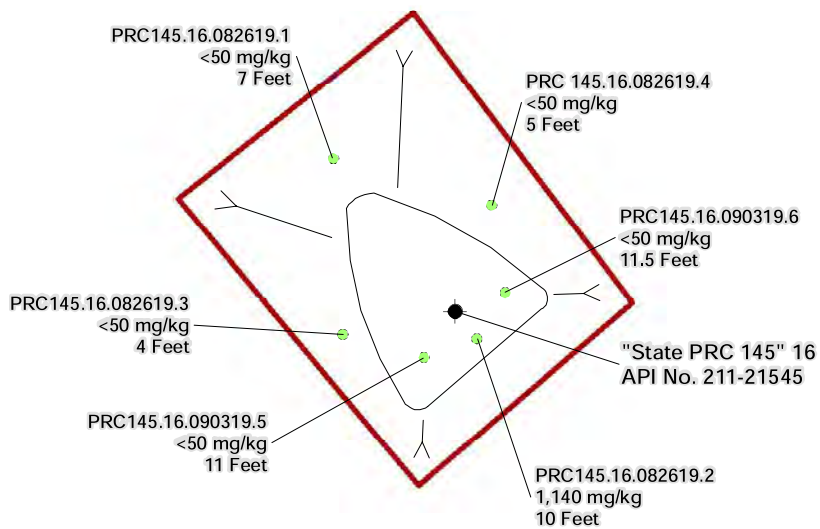
- Excavation
- Project Site
- Wood and Concrete Debris

Soil Sample Location with Total TPH (C4-C40) concentrations in milligrams per kilogram (mg/kg), and depth (feet)

Abandoned Well Location

MAP EXTENT:





Source: County of Ventura
Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet
Notes: This map was created for informational and display purposes only.

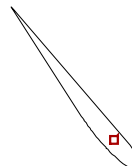
LEGEND:

Excavation

Soil Sample Location with Total
TPH (C4-C40) concentrations in
milligrams per kilogram (mg/kg),
and depth (feet)

Abandoned Well Location

MAP EXTENT:



APPENDIX A PROJECT DOCUMENTATION

Ryan Zukor

From: noreply@digalert.org
Sent: Wednesday, October 27, 2021 4:02 PM
To: Ryan Zukor
Subject: DigAlert Confirmation for Ticket A213001102-00A

EMLCFM 04005A USAS 10/27/21 16:02:25 A213001102-00A NEW NORM POLY LREQ

Thank you for contacting Underground Service Alert of Southern California.
This is an automatically generated confirmation of your DigAlert.

For your safety please excavate carefully around the marked utility lines.

For more information regarding DigAlert's web portals, mobile apps and text messaging, please visit www.digalert.org or text Services to DIGALT (344258).

This email comes from an automated program that is NOT MONITORED.
DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A213001102 Rev: 00A Created: 10/27/21 16:02 User: CAC Chan: 100

Work Start: 11/01/21 08:00 Legal Start: 11/01/21 08:00 Expires: 11/24/21 23:59
Response required: Y Priority: 2

Excavator Information
Company: GREGG DRILLING
Co Addr: 2726 WALNUT AVE
City : SIGNAL HILL State: CA Zip: 90755
Created By: RYAN ZUKOR - PADRE ASSOCIATES, Language: ENGLISH
Office Phone: 805-644-2220 SMS/Cell: 805-207-6577
Office Email: RZUKOR@PADREINC.COM

Site Contact: RYAN ZUKOR
Site Phone: 805-207-6577 Site SMS/Cell:
Site Email:

Excavation Area
State: CA County: VENTURA Place: VENTURA
Zip: 93001
Location: Address/Street: US HWY 101
: X/ST1: STATE RTE 1
:
: SHOULDER ON N/E SIDE OF S/E BOUND US HWY 101 AT APPROX 2100FT & 2335FT
: N/W OF STATE RTE 1;

Delineated Method: WHITEPAINT
Work Type: SOIL SAMPLES (2)
Work For : PADRE ASSOCIATES
Permit: Job/Work order:
1 Year: N Boring: N Street/Sidewalk: N Vacuum: N Explosives: N

Lat/Long
Center Generated (NAD83): 34.346830/-119.423050 34.347412/-119.422323
: 34.345598/-119.422063 34.346181/-119.421336
Excavator Provided: 34.346233/-119.421975 34.346772/-119.422407

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=66Ag8r3r2r6m2mB-c

Members:

ATTDSOUTH	AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
CAS01	CASITAS MUNICIPAL WTR	STEVE SHARP	805-649-2251x139
SCG45T	SOCALGAS TRANSMISSION VENTURA	JOHN CARDILINO	805-681-7968
SCG4UT	SOCALGAS DISTRIBUTION SANTA BA		
		GAS CO CALL CENTER	800-427-2200
USCENC	UTILIQUEST 4 SCE- NO COAST REG		
		SC EDISON PERSONNEL	800-611-1911
VRSDWTRSWR	VENTURA REGIONAL SANITAT	DIAL SECURITY	805-389-9406

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Ryan Zukor

From: noreply@digalert.org
Sent: Monday, September 27, 2021 11:20 AM
To: Ryan Zukor
Subject: DigAlert Confirmation for Ticket A212700454-00A

EMLCFM 02888A USAS 09/27/21 11:20:05 A212700454-00A NEW NORM POLY LREQ

Thank you for contacting Underground Service Alert of Southern California.
This is an automatically generated confirmation of your DigAlert.

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DO NOT REPLY TO THIS EMAIL.

This is not a certified copy of the ticket.

Ticket: A212700454 Rev: 00A Created: 09/27/21 11:19 User: JRB Chan: 200

Work Start: 09/30/21 08:00 Legal Start: 09/30/21 08:00 Expires: 10/25/21 23:59
Response required: Y Priority: 2

Excavator Information
Company: GREGG DRILLING
Co Addr: 2726 WALNUT AVE
City : SIGNAL HILL State: CA Zip: 90755
Created By: RYAN ZUKOR - PADRE ASSOC'S Language: ENGLISH
Office Phone: 805-644-2220 SMS/Cell: 805-207-6577
Office Email: RZUKOR@PADREINC.COM

Site Contact: RYAN ZUKOR
Site Phone: 805-207-6577 Site SMS/Cell:
Site Email:

Excavation Area
State: CA County: VENTURA Place: VENTURA
Zip: 93001
Location: Address/Street: 5750 PACIFIC COAST HWY
: X/ST1: RINCON HWY
:
: APPROX 2175FT S/E OF RINCON HWY AT APPROX 360FT W/OF PACIFIC COAST
: HWY; APPROX 1865FT S/E OF RINCON HWY AT APPROX 370FT W/OF PACIFIC
: COAST HWY ALL LOCS ARE WITHIN PROPERTY **LOC IS ALSO NEAR LOS SAUCES
: CRK** **RINCON HWY EXT FURTHER N/E FROM N/BOUND US HWY 101 AS UNNAMED
: RD TO INTER WITH PACIFIC COAST HWY**

Delineated Method: FLAGS, WHITEPAINT
Work Type: DRILL FOR SOIL SAMPLES (2)
Work For : PADRE ASSOCIATES
Permit: Job/Work order:
1 Year: N Boring: N Street/Sidewalk: N Vacuum: N Explosives: N

Lat/Long

Center Generated (NAD83): 34.347198/-119.422352 34.347653/-119.421518
: 34.345961/-119.421678 34.346415/-119.420844
Excavator Provided: 34.346642/-119.421542 34.347014/-119.421828

Map link:

https://newtin.digalert.org/newtinweb/map_tkt.nap?TRG=4Ax1xAs0tlvzqyz-o

Members:

ATTATL ATT TRANSMISSION	DISPATCH	800-241-3624
ATTD SOUTH AT&T DISTRIBUTION - PHONE	ATT DAMAGE PREVENTION HO	510-645-2929
CAS01 CASITAS MUNICIPAL WTR	STEVE SHARP	805-649-2251x139
CRCVEN CA RES VENTURA - WTR,OIL,ELE	MARK BLANKENSHIP	805-232-9637
LVL3CM LEVEL 3 COMM/LUMEN FIBER	TECHNICIAN ON DUTY	877-366-8344x3
MCISOCAL MCI (VERIZON BUSINESS) FIBER		
	FIBER SECURITY DEPT	800-624-9675
SCG45T SOCALGAS TRANSMISSION VENTURA	JOHN CARDILINO	805-681-7968
SCG4UT SOCALGAS DISTRIBUTION SANTA BA		
	GAS CO CALL CENTER	800-427-2200
SPRINT1 SPRINT - FIBER	SPRINT	800-521-0579
USCENC UTILIQUEST 4 SCE- NO COAST REG		
	SC EDISON PERSONNEL	800-611-1911
VRSDWTRSWR VENTURA REGIONAL SANITAT	DIAL SECURITY	805-389-9406

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County of Ventura
WELL PERMIT

800 South Victoria Avenue Ventura, CA 93009

Permit No.: GWP-08593
Page 1 of 2

	Property Owner	Driller	Registered Inspector
Name	California State Lands Commission	Gregg Drilling LLC	Ryan Zukor
Address	100 Howe Ave, Suite 100 South, Sacramento, CA 95825-8202	2726 Walnut Avenue Signal Hill, CA 90755	1861 Knoll Drive Ventura, CA 93003
Telephone	(916) 547-1310	(562) 427-6899	(805) 644-2220

Type of Work	Monitoring Well New (1)	Sealing Zone	1	Main Use	Monitoring	
SWN (Partial)	03N24W17D	Well ID	N/A	APN	0600100435	
Fee	\$470.00	Receipt No.	674741	Prep by:	J Dorrington	
Well Location	1,400 feet NW of Hwy 101 Seacliff NB onramp, Ventura	Proposed	Well Depth	20 ft	Bore Dia.	8.25 in.
Basin	Outside B118 Groundwater Basin Boundaries	Construction	Perforations	From 10.00 ft. to 20.00 ft.		

Conditions

1. Permit issue and expiration dates are as follows:

Issue Date: 09/29/2021

Expiration Date: 03/30/2022

The Contractor shall keep a copy of this approved permit at the work site.

2. Well Owner and Driller ("Contractor") shall comply with all provisions of Ventura County Well Ordinance No. 4468, and all applicable State of California and local regulations pertaining to well construction, repair, modification and destruction.
3. Work shall be performed by a licensed water well contractor (C-57), who must also be registered with the Watershed Protection District, Groundwater Section ("District").
4. All work shall be inspected by a licensed Civil Engineer, Registered Geologist or Certified Engineering Geologist, who must also be registered with the Watershed Protection District, Groundwater Section ("District").
5. Contractor shall retain all drilling fluids and groundwater discharges within the drilling site, unless an NPDES permit has been obtained from the California Regional Water Quality Control Board, Los Angeles Region. The NPDES permit shall be obtained prior to drilling operations.
6. Sealing Requirements:

- a. Bentonite grout, bentonite clay chips, neat cement or cement grout annular sealing material shall be placed **from the top of the perforations to 2 feet below ground surface.**

Bentonite clay products used for sealing material must be specifically prepared for such use. Used drilling mud and/or cuttings from drilling shall not be used in sealing material. Bentonite chips shall be hydrated while placed and shall be placed by means of a grout pipe positioned within 2 feet of the base of the sealing zone. If the sealing depth is 10 feet or less bentonite chips may be placed by free-fall method.

All bentonite grout and cement sealing material shall be placed by means of a grout pipe positioned within 2 feet of the base of the sealing zone. For Sealing Zones 1 and 2, if the standing water level in the casing is below the base of the sealing zone and the sealing depth is 25 feet or less, a grout pipe will not be necessary.

- b. Diameter of the well bore shall be a minimum of 4 inches larger than the outside diameter of the casing for the full depth of



County of Ventura
WELL PERMIT

800 South Victoria Avenue Ventura, CA 93009

seal.

- c. Neat cement or cement grout annular sealing material shall be placed **from a depth of 2 feet to ground surface.**

7. Post Requirements:

a. Inspection Documents: Within 30 days after work is completed, Registered Inspector shall submit inspection documents consisting of a Registered Inspector's Well Sealing Report, a well location map, and a detailed well log for each monitoring well. The well log shall show lithology, well construction details, and any available information relating to water quality and quantity. Mail to County of Ventura Public Works Agency - Watershed Protection, Groundwater Section ("District"); (Re: MW Documents); 800 South Victoria Avenue; Ventura, Ca. 93009-1600. **Failure to submit documents within 30 days will preclude Property Owner and Registered Inspector from obtaining future permits until report is received and may result in the issuance of a Notice of Non-Compliance.**

b. Monitoring Well Destruction: **Upon completion of the monitoring program, Property Owner shall take immediate action to obtain a separate well destruction permit and destroy all monitoring wells on this permit.**

8. The information contained in the Application for Well Permit becomes a part of this permit.

Manager, Groundwater Section

Date

9/29/2021

REGISTERED INSPECTOR'S WATER WELL SEALING RECORD

PERMIT # GWP-08593

START DATE / / 09/29/2021
EXPIRATION DATE / / 03/30/2022

☒ NEW WELL ☐ DESTRUCTION ☐ OTHER _____ TYPE
OF MATERIAL USED HYDRATED BENTONITE CHIPS

WELL #	DELIVERED TO SITE Cu. Yd.	LEFT OVER Cu. Yd.	USED FOR SEALING Cu. Yd.	BOREHOLE Diameter (NEW WELLS)	WELL CASING Diameter	DEPTH OF SEAL	
						FROM	TO
☐ <u>MW-7</u>	0.05	0	0.05	8.25	2-INCH	0.5	3.5
☐ MIX ON SITE							
☐ MIX ON SITE							
☐ MIX ON SITE							

METHOD OF SEALING PLACEMENT: ☐ GROUT PIPE ☒ DROP ☐ OTHER _____
NUMBER OF GROUT PIPE SECTIONS -- LENGTH OF EACH SECTION -- FEET

(DESTRUCTION ONLY) CONFIRMATION THAT THE CASING WAS RIPPED OR PREFORATED AS REQUIRED BY THE PERMIT.

REMARKS:
CONSTRUCTED ONE GROUNDWATER MONITORING WELL WITH 2-INCH DIAMETER SCH. 40 FLUSH THREAD
PVC CASING TO 14 FEET BGS USING 10-FOOT OF 0.020-INCH SLOT SCREEN CASING AND ~8 FEET OF BLANK
CASING. NO.3 SAND PLACED ~1-FOOT ABOVE SCREEN, HYDRATED BENTONITE CHIPS PLACED TO WITHIN 1-FOOT
OF SURFACE, AND SURFACE WAS COMPLETED WITH STEEL WELL MONUMENT SET IN CONCRETE.
 DESCRIBE ANY VARIANCE IN THE SEALING METHOD OR MATERIAL FROM PERMIT CONDITIONS, OR
 ANY OTHER FACTORS WHICH, IN YOUR ESTIMATION, MIGHT HAVE CAUSED THE SEALING OPERATION
 TO BE LESS THAN SATISFACTORY -- NONE --

IN MY OPINION, THE WELL SEALING WAS:

☒ SATISFACTORY
☐ UNSATISFACTORY FOR REASONS DESCRIBED ABOVE

INSPECTION SERVICES
 START 9/30/21
 COMPLETED 9/30/21

OPTION:

☒ ATTACHED PHOTO OF SITE AND IMMEDIATE VICINITY
☐ ATTACHED CEMENT TRUCK REPORT
☐ OTHER _____

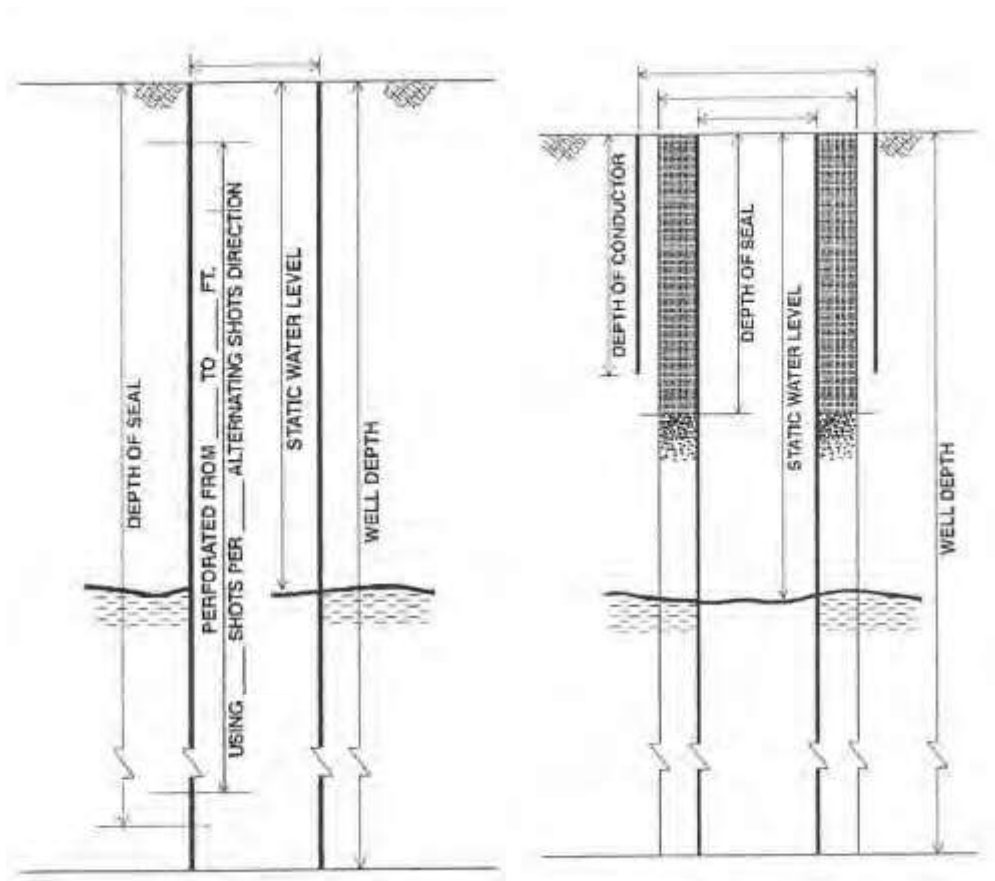
DATE SEALED: 09/30/2021 _____ INSPECTOR _____ DATE _____

INSPECTION NOTES

PERMIT # GWP-08593

☐ DESTRUCTION

☒ NEW WELL



QUANTITIES OF

☐ NEAT CEMENT (CEMENT SLURRY): CEMENT + WATER

☐ CEMENT GROUT: CEMENT + WATER + SAND

☐ CONCRETE: CEMENT + WATER + SAND + GRAVEL

☒ CLAY PELLETS: SOMETIMES USED AS A SEAL BETWEEN GRAVEL SURROUNDING PERFORATIONS AND CONCRETE SEAL IN SHALLOW (MONITORING) WELLS

WATER	CEMENT	BENTONITE	SAND	GRAVEL	CLAY
—	—	—	-----	-----	-----
—	—	—	—	-----	-----
—	—	—	—	—	-----
10 GAL	0.05 CY	0.05 CY	0.167 CY	--	--
—	—	—	—	—	—

Additional Notes:





COPY

STATE OF CALIFORNIA · DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120 (REV. 6/2012)

Permit No.	
07-21-6-DP-3284	
Dist/Co/Rte/PM	
07-VEN-VAR-VAR	
Permit Approval Date	
10/21/2021	
Fee Paid	Deposit
\$	\$ 1100.00
Performance Bond Amount (1)	Payment Bond Amount (2)
\$ 0.00	\$ 0.00
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- ☒ Your application of October 21, 2021
- ☐ Utility Notice No. _____ of _____
- ☐ Agreement No. _____ of _____
- ☐ R/W Contract No. _____ of _____

TO: GREGG DRILLING LLC
 2726 WALNUT AVENUE
 SIGNAL HILL, CA 90755
 Attn: J. McKeehan (562) 427-6899

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

Double Permit (DP) to 07-21-N-SV-3039

All provisions of the parent shall remain in effect, it is the Contractor's responsibility to obtain a complete permit copy with provisions from the Permittee and retain it on site.

A pre-job meeting with the assigned Caltrans Representative, Jasraj Singh (jasraj.singh@dot.ca.gov), (213) 760-9392, is required at least 7 days prior to start of any work under this permit. Failure to do so may result in permit revocation with no prejudice.

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER.

The following attachments are also included as part of this permit (Check applicable):

- ☒ Yes ☐ No General Provisions
- ☐ Yes ☒ No Utility Maintenance Provisions
- ☒ Yes ☐ No Storm Water Special Provisions
- ☒ Yes ☐ No Special Provisions
- ☐ Yes ☒ No A Cal-OSHA permit, if required: Permit No. _____
- ☐ Yes ☒ No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- ☐ Yes ☒ No Storm Water Pollution Prevention Plan / Water Pollution Control Plan

In addition to fee, the permittee will be billed actual costs for:

- ☒ Yes ☐ No Review
- ☒ Yes ☐ No Inspection
- ☒ Yes ☐ No Field Work

(if any Caltrans effort expended)

- ☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before April 30, 2022

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all the other necessary permits and the environmental clearances have been obtained.

PERMIT ENGINEER: Vito Buranabul
 RELATED PERMIT(S): 07-21-N-SV-3039
 COPIES TO:
 West Region, Maintenance
 J. Singh, Permit Insp.
 File

APPROVED:

Tony Tavares, District Director

BY:

CHRISTINE SONG, P.E., Acting District Permit Engineer

ADA Notice

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FM 91 1436 (D7 Permit App.)



COPY

STATE OF CALIFORNIA · DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120 (REV. 6/2012)

Permit No.	
07-21-6-DP-3284	
Dist/Co/Rte/PM	
07-VEN-VAR-VAR	
Permit Approval Date	
10/21/2021	
Fee Paid	Deposit
\$	\$ 1100.00
Performance Bond Amount (1)	Payment Bond Amount (2)
\$ 0.00	\$ 0.00
Bond Company	
Bond Number (1)	Bond Number (2)

In compliance with (Check one):

- ☒ Your application of October 21, 2021
- ☐ Utility Notice No. _____ of _____
- ☐ Agreement No. _____ of _____
- ☐ R/W Contract No. _____ of _____

TO: GREGG DRILLING LLC
 2726 WALNUT AVENUE
 SIGNAL HILL, CA 90755
 Attn: J. McKeehan (562) 427-6899

, PERMITTEE

and subject to the following, PERMISSION IS HEREBY GRANTED to:

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- ☒ Yes ☐ No General Provisions
- ☐ Yes ☒ No Utility Maintenance Provisions
- ☒ Yes ☐ No Storm Water Special Provisions
- ☒ Yes ☐ No Special Provisions
- ☐ Yes ☒ No A Cal-OSHA permit, if required: Permit No. _____
- ☐ Yes ☒ No As-Built Plans Submittal Route Slip for Locally Advertised Projects
- ☐ Yes ☒ No Storm Water Pollution Prevention Plan / Water Pollution Control Plan

In addition to fee, the permittee will be billed actual costs for:

- ☒ Yes ☐ No Review
- ☒ Yes ☐ No Inspection
- ☒ Yes ☐ No Field Work

(if any Caltrans effort expended)

- ☐ Yes ☒ No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before April 30, 2022

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.

No project work shall be commenced until all the other necessary permits and the environmental clearances have been obtained.

PERMIT ENGINEER: Vito Buranabul
 RELATED PERMIT(S): 07-21-N-SV-3039
 COPIES TO:
 West Region, Maintenance
 J. Singh, Permit Insp.
 File

APPROVED:

Tony Tavares, District Director

BY:

CHRISTINE SONG, P.E., Acting District Permit Engineer

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STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
STANDARD ENCROACHMENT PERMIT APPLICATION
TR-0100 (REV 12/2018)

Page 1 of 4

Complete ALL fields, write "N/A" if not applicable. Type or print clearly.
This application is not complete until all requirements have been approved.

Permission is requested to encroach on the State Highway right-of-way as follows:

1. COUNTY Ventura		2. ROUTE 101	3. POST MILE VEN R39.404
4. ADDRESS OR STREET NAME 5750 Pacific Coast Highway		5. CITY Ventura	
6. CROSS STREET (Distance and direction from project site) SEA CLIFF OFFRAMP - 0.25-MILE SOUTHEAST			
7. WORK TO BE PERFORMED BY ☒ APPLICANT ☐ CONTRACTOR		8. IS THIS APPLICATION FOR THE CONTRACTOR'S (DOUBLE) PERMIT? ☐ NO ☒ YES. If "YES", provide the Parent Permit Number 07-21-N-SV-3039	
9. ESTIMATE START DATE NOVEMBER 1, 2021		10. ESTIMATED COMPLETION DATE NOVEMBER 3, 2021	
11. ESTIMATED NUMBER OF WORKING DAYS WITHIN STATE HIGHWAY RIGHT-OF-WAY THREE DAYS		12. ESTIMATED CONSTRUCTION COSTS WITHIN STATE HIGHWAY RIGHT-OF-WAY \$60,000	
13. HAS THE PROJECT BEEN REVIEWED BY ANOTHER CALTRANS BRANCH? ☒ NO ☐ YES. If "YES", which branch?			
14. FUNDING SOURCE(S) ☐ FEDERAL ☒ STATE ☐ LOCAL ☐ PRIVATE ☐ SB 1 (ROAD REPAIR AND ACCOUNTABILITY ACT OF 2017)			
15. CALTRANS PROJECT CODE (ID)		16. APPLICANT'S REFERENCE / UTILITY WORK ORDER NUMBER 2002-7861	

FOR CALTRANS USE	
TRACKING NO. 07-21-6-DP-3284	
DIST/CO/RTE/PM 07-VEN-1, 101-VAR	
SIMPLEX STAMP 3284	
DATE OF SIMPLEX STAMP 10/21/21	

RECEIVED
October 21, 2021
OFFICE OF PERMITS

17. DESCRIBE WORK TO BE DONE WITHIN STATE HIGHWAY RIGHT-OF-WAY (in 20 lines or less)
Attach 6 complete sets of plans (folded to 8.5" x 11") and any applicable specifications, calculations, maps, traffic control plans, etc.

Applying for a double permit to 07-21-N-SV-3039.

18 (a). PORTION OF STATE HIGHWAY RIGHT-OF-WAY WHERE WORK IS BEING PROPOSED (check all that apply)	
☐ Traffic lane ☒ Shoulder ☐ Sidewalk ☒ Median ☐ At or near an intersection ☐ Mobile work	
☐ Outside of the shoulder, _____ feet from edge of pavement ☐ Other _____	
18 (b). PROPOSED TRAFFIC CONTROL PLANS AND METHOD	
☐ No traffic control needed ☐ State Standard Plans (T-Sheets) # _____	
☐ Project specific Traffic Control Plans included ☒ To be submitted by contractor	

STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV 12/2018)

TRACKING NO.

07-21-6-DP-3284

19. EXCAVATION	MAX. DEPTH (in) N/A	MIN. DEPTH (in) N/A	AVG. WIDTH (in) N/A	LENGTH (ft) N/A	SURFACE TYPE (e.g. Asphalt, concrete, soil, etc.) N/A
20. PIPES	PRODUCT BEING TRANSPORTED N/A	CARRIER PIPE DIAMETER N/A (in.) MATERIAL N/A	CASING PIPE DIAMETER N/A (in.) MATERIAL N/A		
PROPOSED INSTALLATION METHOD (e.g. HDD, Bore & Jack, Open Cut, etc.) N/A					VOLTAGE / PSIG N/A

DOES THE PROPOSED PROJECT INVOLVE THE REPLACEMENT AND/OR ABANDONMENT OF AN EXISTING FACILITY?

☒ NO ☐ YES. If "YES", provide a description

21. IS A CITY, COUNTY OR OTHER PUBLIC AGENCY INVOLVED IN THE APPROVAL OF THIS PROJECT?

☐ YES (if "YES", check the type of project AND attach the environmental documentation and conditions of approval)☐ COMMERCIAL DEVELOPMENT ☐ BUILDING ☐ GRADING ☐ OTHER☐ CATEGORICALLY EXEMPT ☐ NEGATIVE DECLARATION ☐ ENVIRONMENTAL IMPACT REPORT ☐ OTHER☒ NO (if "NO", check the category below which best describes the project AND answer questions A-K)☐ DRIVEWAY OR ROAD APPROACH, RECONSTRUCTION,
MAINTENANCE OR RESURFACING☐ FENCE ☐ EROSION CONTROL☐ PUBLIC UTILITY MODIFICATION, EXTENSIONS, HOOKUPS☐ MAILBOX ☐ LANDSCAPING☐ FLAGS, SIGNS, BANNERS, DECORATIONS, PARADES AND CELEBRATIONS ☒ OTHER ENVIRONMENTAL ASSESSMENT**The following questions must be answered when a City, County or other public agency IS NOT involved in the approval of this project.**

Your answers to these questions will assist Caltrans staff in identifying any physical, biological, social or economic resources that may be affected by your proposed project within State Highway right-of-way and to determine which type of environmental studies may be required to approve your application for an encroachment permit. It is the applicant's responsibility for the production of all required environmental documentation and supporting studies and in some cases this may be costly and time consuming. If possible, attach photographs of the location of the proposed project. Answer these questions to the best of your ability. Provide a description of any "YES" answers (type, name, number, etc.).

A. Will any existing vegetation and/or landscaping within State Highway right-of-way be disturbed?

NO

B. Are there waterways (e.g. river, creek, pond, natural pool or dry streambed) adjacent to or within the limits of the proposed project?

NO

C. Is the proposed project located within five miles of the coast line?

YES

D. Will the proposed project generate construction noise levels greater than 86 decibels (dBA) (e.g. Jack-hammering, pile driving)?

NO

E. Will the proposed project incorporate land from a public park, recreation area or wildlife refuge open to the public?

NO

F. Are there any recreational trails or paths within the limits of the proposed project?

YES

G. Will the proposed project impact any structures, buildings, rail lines or bridges within State Highway right-of-way?

NO

H. Will the proposed project impact access to any businesses or residences?

NO

I. Will the proposed project impact any existing public utilities or public services?

NO

J. Will the proposed project impact any existing pedestrian facilities, such as sidewalks, crosswalks or overcrossings?

YES

K. Will new lighting be constructed within or adjacent to State Highway right-of-way?

NO

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TRACKING NO.
07-21-6-DP-3284

22. Will the proposed project cause a substantial change in the significance of a historical resource (45 years or older), or cultural resource? ☐ YES ☒ NO (if "YES", provide a description)
23. Will the proposed project be on an existing State Highway or street where the activity involves removal of a scenic resource? (e.g. A significant tree or stand of trees, a rock outcropping or a historic building) ☐ YES ☒ NO (if "YES", provide a description)
24. Is work being done on the applicant's property in addition to State Highway right-of-way? ☐ YES ☒ NO
(If "YES", attach 6 complete sets of site and grading plans)
25. Will the proposed project require the disturbance of soil? ☒ YES ☐ NO
If "YES", estimate the area of disturbed soil within State Highway right-of-way in acres: <1 ACRE
and estimate the area of disturbed soil outside State Highway right-of-way in acres: _____
26. Will the proposed project require dewatering? ☐ YES ☒ NO
If "YES", estimate Total gallons AND gallons/month. _____ (Total gallons) AND _____ (gallons/month)
SOURCE*: ☐ STORMWATER ☐ NON-STORMWATER
(*See Caltrans SWMP for definition of non-storm water discharge: <http://www.dot.ca.gov/env/stormwater/>)
27. How will any storm water or ground water be disposed?
☐ Storm Drain System ☐ Combined Sewer / Stormwater System ☐ Stormwater Retention Basin ☒ N/A
☐ Other (explain) _____

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October 21, 2021
OFFICE OF PERMITS

STANDARD ENCROACHMENT PERMIT APPLICATION

TR-0100 (REV 12/2018)

TRACKING NO.

07-21-6-DP-3284**READ THE FOLLOWING CLAUSES PRIOR TO SIGNING THIS ENCROACHMENT PERMIT APPLICATION.**

The applicant's submission of this application to the California Department of Transportation constitutes the applicant's agreement and representation that the work or other activity contemplated by the encroachment permit application shall comply with all applicable standards, specifications, policies, requirements, conditions, and regulations of the California Department of Transportation, and the applicant understands the application may be denied if there is non-compliance with any of the above. An exception process exists and may result in approval of a non-compliant encroachment, in the discretion of the California Department of Transportation, but the exception process may require additional time to complete. The applicant understands and agrees all work or other activity contemplated by the encroachment permit application is subject to inspection and oversight by the California Department of Transportation. The applicant understands and agrees encroachment permit fees must still be paid if an application is withdrawn or denied. The applicant understands a denial may be appealed, in accordance with California Streets and Highways Code, Section 671.5, and the related regulations found in California Code of Regulations, Title 21, Division 2, Chapter 8, Article 2.

The applicant understands and agrees that immediately upon issuance of the encroachment permit the applicant is bound by, subject to, and must comply with the "Encroachment Permit General Provisions" (TR-0045), "Stormwater Special Provisions" (TR-0400) and any other applicable Special Provisions and Conditions of the encroachment permit. The "Encroachment Permit General Provisions" (TR-0045), and the Stormwater Special Provisions (TR-0400) are available at: [http://www.dot.ca.gov/trafficops/ep/docs/Appendix_K_\(WEB\).pdf](http://www.dot.ca.gov/trafficops/ep/docs/Appendix_K_(WEB).pdf). If a paper copy is needed of the "Encroachment Permit General Provisions" (TR-0045) and/or "Stormwater Special Provisions" (TR-0400), please contact the District Office of Encroachment Permits. Their contact information is available at: [http://www.dot.ca.gov/trafficops/ep/docs/Appendix_G_\(WEB\).pdf](http://www.dot.ca.gov/trafficops/ep/docs/Appendix_G_(WEB).pdf). The "Encroachment Permit General Provisions" (TR-0045) and any other applicable Special Provisions and Conditions will be provided as part of the encroachment permit. Information about Stormwater requirements is available at the Internet address: <http://www.dot.ca.gov/hq/construc/stormwater/>.

The applicant understands an encroachment permit may be denied, revoked, and/or a bond may be required, for non-payment of prior or present encroachment permit fees. An encroachment permit is not a property right and does not transfer with the property to a new owner. Each of the persons purporting to execute this application on behalf of the applicant and/or on behalf of the applicant's authorized agent or engineer represents and warrants such person has full and complete legal authority to do so and to thereby bind applicant to the terms and conditions herein and to the terms and/or conditions of the encroachment permit. Applicant understands and agrees this application may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Executed copies of this application and/or its counterparts may be reproduced and/or exchanged by copy machine, mailing, facsimile, or electronic means (such as e-mail), and such copies shall be deemed to be effective as originals.

28. NAME OF APPLICANT (Project or Property Owner or Organization)		RECEIVED
GREGG DRILLING LLC		
ADDRESS OF APPLICANT (Include City, State and Zip Code)		OFFICE OF PERMITS
2726 WALNUT AVENUE, SIGNAL HILL, CALIFORNIA 90755		
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
jmckeehan@greggdrilling.com	(562) 427-6899	(562) 427-3314
29. NAME OF AUTHORIZED AGENT / ENGINEER		IS A LETTER OF AUTHORIZATION ATTACHED?
(A "Letter of Authorization" is required if different from #28)		
ADDRESS OF AUTHORIZED AGENT / ENGINEER (Include City, State and Zip Code)		☐ YES ☐ NO
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
30. NAME OF BILLING CONTACT (Same as #28 ☐ Same as #29 ☐		
PADRE ASSOCIATES, INC. - RYAN M. ZUKOR, P.G.		
BILLING ADDRESS WHERE INVOICE(S) IS / ARE TO BE MAILED (Include City, State and Zip Code)		
1861 KNOLL DRIVE, VENTURA, CALIFORNIA 93003		
E-MAIL ADDRESS	PHONE NUMBER	FAX NUMBER
RZUKOR@PADREINC.COM	(805) 207-6577	(805) 644-2050
* I hereby certify under penalty of perjury under the laws of the State of California that the information in this application and any document submitted with or in support of this application are true and correct to the best of my knowledge and belief, and that copies of any documents submitted with or in support of this application are true and correct copies of unaltered original documents. I further understand that if I have provided information that is false, intentionally incomplete, or misleading I may be charged with a crime and subjected to fine or imprisonment, or both fine and imprisonment. (Penal Code Section 72)		
31. SIGNATURE OF APPLICANT OR AUTHORIZED AGENT*		32. PRINT OR TYPE NAME
Ryan M. Zukor Digitally signed by Ryan M. Zukor Date: 2021.10.13 16:36:49 -0700		RYAN M. ZUKOR
33. TITLE		34. DATE
PROJECT MANAGER		OCTOBER 13, 2021

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ENCROACHMENT PERMIT FEE CALCULATION SHEET

TR-0406 (REV 09/2021)

PERMIT NO.

07-21-6-DP-3284

THIS PAGE IS FOR CALTRANS USE ONLY

WORK ORDER/REFERENCE NUMBER

☐ DEFERRED BILLING (Utility)☐ EXEMPT☐ PROJECT CODE (ID)**FEES**

1.	REVIEW	2	hours @	\$ 110.00 / hour =	\$ 220
	INSPECTION	8	hours @	\$ 110.00 / hour =	\$ 880
	FIELD WORK		hours @	\$.00 / hour =	\$
	EQUIPMENT AND MATERIALS				\$
CALCULATED BY: <u>D. Martinez</u>		DATE: <u>10/21/21</u>		AMOUNT: \$ <u>1,100</u>	
2.	REVIEW		hours @	\$.00 / hour =	\$
	INSPECTION		hours @	\$.00 / hour =	\$
	FIELD WORK		hours @	\$.00 / hour =	\$
	EQUIPMENT AND MATERIALS				\$
CALCULATED BY: _____		DATE: _____		AMOUNT: \$	
3.	REVIEW		hours @	\$.00 / hour =	\$
	INSPECTION		hours @	\$.00 / hour =	\$
	FIELD WORK		hours @	\$.00 / hour =	\$
	EQUIPMENT AND MATERIALS				\$
CALCULATED BY: _____		DATE: _____		AMOUNT: \$	
4.	REVIEW		hours @	\$.00 / hour =	\$
	INSPECTION		hours @	\$.00 / hour =	\$
	FIELD WORK		hours @	\$.00 / hour =	\$
	EQUIPMENT AND MATERIALS				\$
CALCULATED BY: _____		DATE: _____		AMOUNT: \$	

TOTAL FEES: \$

DEPOSITS**D7 Caltrans Cashier**

1.	☒ CHECK NUMBER <u>74174</u>	NAME ON CARD/CHECK <u>Padre associates inc.</u>	PAID
	☐ CREDIT CARD	PHONE NUMBER <u>(805) 644-2220</u>	
	☐ CASH	CASHIER'S INITIALS <u>cm</u> DATE: <u>10/21/2021</u> AMOUNT: \$ <u>1100⁰⁰</u>	
2.	☐ CHECK NUMBER _____	NAME ON CARD/CHECK _____	
	☐ CREDIT CARD	PHONE NUMBER _____	
	☐ CASH	CASHIER'S INITIALS _____ DATE: _____ AMOUNT: \$ _____	
3.	☐ CHECK NUMBER _____	NAME ON CARD/CHECK _____	
	☐ CREDIT CARD	PHONE NUMBER _____	
	☐ CASH	CASHIER'S INITIALS _____ DATE: _____ AMOUNT: \$ _____	
4.	☐ CHECK NUMBER _____	NAME ON CARD/CHECK _____	
	☐ CREDIT CARD	PHONE NUMBER _____	
	☐ CASH	CASHIER'S INITIALS _____ DATE: _____ AMOUNT: \$ _____	

TOTAL DEPOSITS: \$

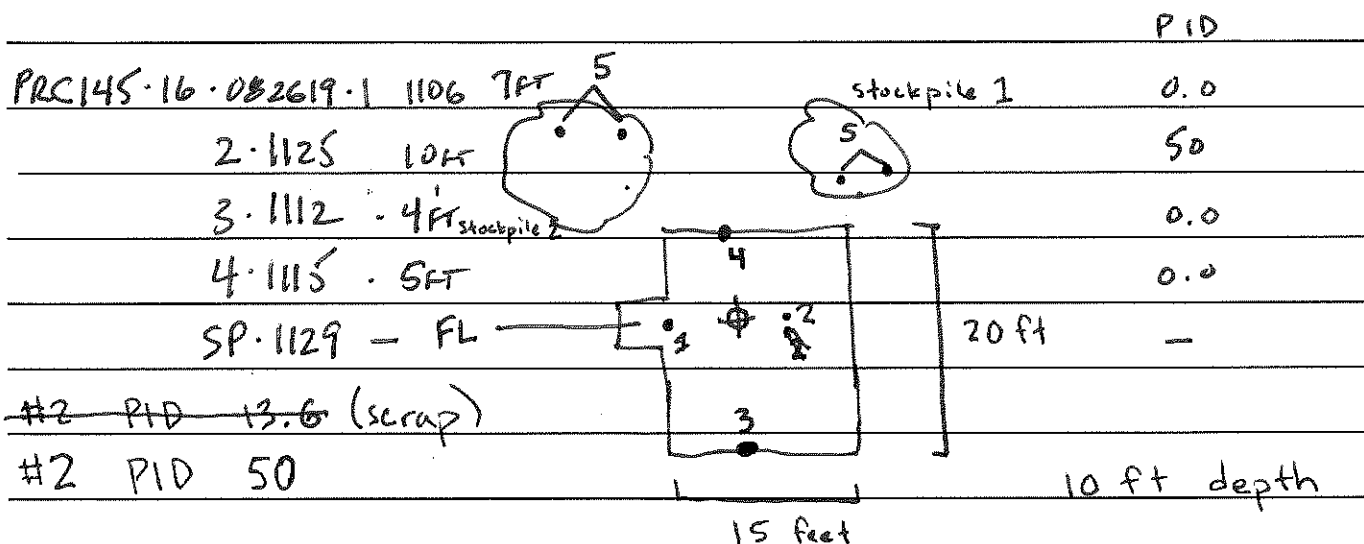
CASH DEPOSIT IN LIEU OF BOND	☐	DATE	AMOUNT
PERFORMANCE BOND	☐	DATE	AMOUNT
PAYMENT BOND	☐	DATE	AMOUNT
IS LIABILITY INSURANCE REQUIRED?	☐ YES ☐ NO		AMOUNT
			\$

REPORT OF FIELD OBSERVATIONS

Job No.: 1901.2391	Date: 8/26/19	(M) T W T F S S
Client: DRITK	Project: PRC145.16	
Location: Rincon Inshore	Weather: CLEAR: MILD.	
Observer: RMZ/NS	Observation Period	Start: 10:50 Stop: 12:00

Description: 10:50 PADRE ONSITE SIGNED-IN AT OFFICE.

- OBSERVED EXCAVATION AND STOCKPIES



PRC 145 Well 16 CLAYEY SAND W/ GRAVEL AND TRACE SILT
DARK YELLOWISH BROWN. moist. HC 0002.

12:00 PADRE SIGNED OUT OFFSITE

PREPARED COL, COORDINATED COURIER AND TURN-
AROUND TIME WITH LAB.

Mileage: _____ miles

Copy Sent to Client: Y N

Continued on Next Page

Page _____ of _____

REPORT OF FIELD OBSERVATIONS

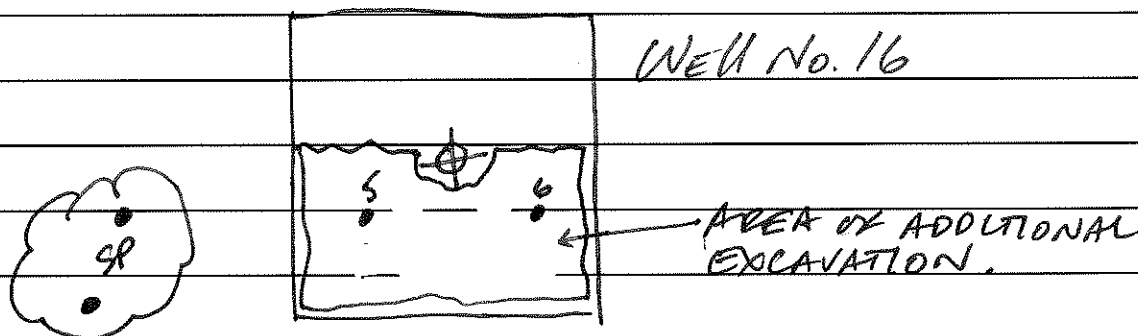
Job No.: 1901-2391	Date: 9/3/19	M	<u>T</u>	W	T	F	S	S
Client: DRITEX	Project: EXCAVATION SAMPLING							
Location: RINCON ONSHORE	Weather: CLEAR: MILD							
Observer: RMZ	Observation Period		Start: 4:15		Stop: 5:15pm			

Description: 4:15 PADRE ONSITE DISCUSSED SCOPE OF WORK WITH ROBERT - SIGNED-IN.

DISCUSSED SCOPE W/ OPERATOR. PLAN TO REMOVE ~2 FT OF SOIL FROM EXCAVATION FLOOR OR TO WHEN PID READINGS ARE <10PPM.

EXCAVATED ADDITIONAL 2 FT OFF BOTTOM. SOUTH OF WELL. CLAYEY SAND. W/ GRAVEL, COBBLE AND CONCRETE RUBBLE, MOIST. MINOR GRAY STAINING. NO HYDROCARBON ODOR

SAMPLE NO.	TIME	DEPTH	PID
PRC145 16-090319-5	1640	11 FT	0.0
PRC145 16-090319-6	1643	11.5 FT	0.0
PRC145 16-090319-SP	1652	-	1.0 COMPOSITE



5:15pm PADRE SIGNED OUT.

SAMPLES STORED IN A COOLER WITH ICE PENDING PICKUP BY LABORATORY

Mileage: _____ miles

Copy Sent to Client: Y N

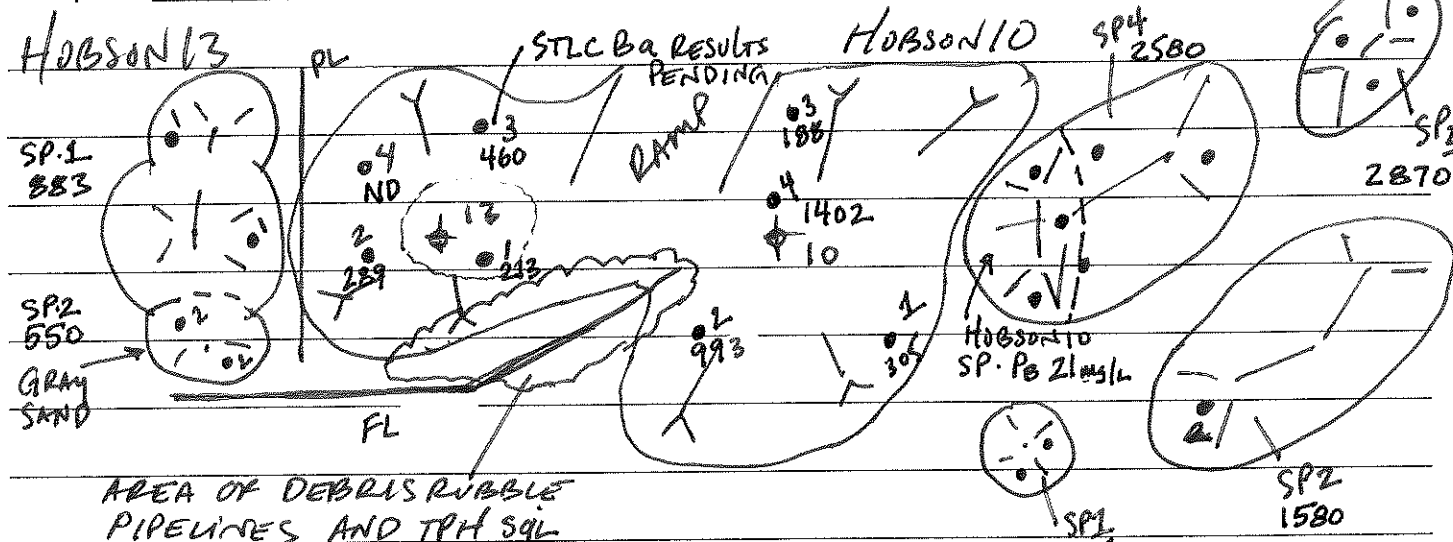
Continued on Next Page

Page 1 of 1

REPORT OF FIELD OBSERVATIONS

Job No.: 1901.2391	Date: 9/16/19	M T W T F S S
Client: DRI/TEK	Project: EXCAVATION SAMPLING	
Location: HOBSON STATE	Weather: OVERCAST: COOL	
Observer: RMZ	Observation Period	Start: 6:45 AM Stop: 8:15 AM

Description: 6:40 ONSITE SIGNED IN



1. 8 FT	HOBSON 13. 091619.1	6:57	STLC Ba RESULTS PENDING
2. 6 FT	HOBSON 13. 091619.2	6:59	
3. 4 FT	HOBSON 13. 091619.3	7:23	
4. 4 FT	HOBSON 13. 091619.4	7:24	
SP. 1 -	HOBSON 13. 091619. SP1	7:28	
SP. 2 -	HOBSON 13. 091619. SP2	7:29	
- -	HOBSON 10 091619. SP1	7:47	
- -	HOBSON 10 091619. SP2	7:48	
- -	HOBSON 10 091619. SP3	7:50	
- -	HOBSON 10. 091619. SP4	7:54	

Mileage: _____ miles 8:15 SIGNED OUT - PADRE OFFSITE

Copy Sent to Client: Y (N) -Continued on Next Page- Page 1 of 1

REPORT OF FIELD OBSERVATIONS

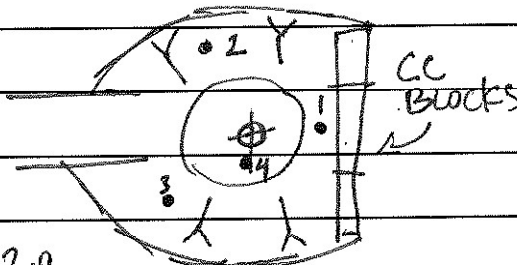
Job No.: 1901.2391	Date: 10/31/19	M	T	W	<u>T</u>	F	S	S
Client: DRI/TEK	Project: EXC SAMPLING							
Location: PRC 410 - HOBSON	Weather: CLEAR: MILD.							
Observer: RMZ	Observation Period		Start:		Stop:			

Description: ROAD

SAMPLE	TIME				
✓ 410.8.103119.1	9:14	6'	13		
410.8.	OUT OF SCOPE	5'	0		
410.8.1		4'	0.		
410.8.103119.4	9:28	11'	1.0		

* 410.9.103119.1	9:33	4.5'	0.0'		
410.9.1	OUT OF SCOPE	5.0'	0.0'		
410.9.1		5.0'	0.0'		
410.9.103119.4	9:45	8.0'	2.0'		

✓ 145.15.103119.1	9:54	5.0'	0.0		
145.15.103119.2	9:57	6.5'	0.0		
145.15.103119.3	10:00	7.5'	0.0		
145.15.103119.4	10:04	8.0'	2.0		



Mileage: _____ miles

Copy Sent to Client: Y N

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REPORT OF FIELD OBSERVATIONS

Job No.: 2001-7861	Date: 9-29-21	M	T	W	T	F	S	S
Client: CSLC	Project: ASSESSMENT							
Location: RINCON ONSHORE	Weather: CLEAR							
Observer: RMZ	Observation Period	Start:	Stop:					

Description: 7:15 PADRE ONSITE. PREPARED FIELD EQUIPMENT AND PAPERWORK.

7:45 GREGG DRILLING ONSITE. START ON NORTH END OF SITE.

11:00. COMPLETED DH. 1. DH. 6. DH. 7 TO 15' GW AT ~ 9-10 LT BAGS.

- LARRY ONSITE TO DISCUSS SCOPE OF WORK AND PLAN FOR THE ISLAND. ASSESSMENT

- LUNCH BREAK -

11:18 RESUME @ DH. 9
DH. 16 -

1315 COMPLETED 5TH DRILL HOLE ON NORTH SIDE OF CREEK. SURVEYED W/ TRIMBLE GPS

- LOCKED GATE

1337. RESUME DRIVING ON SOUTH SIDE OF CREEK
DH. 17 - HYDROCARBON ODOUR AT 10-15' BAGS
- PLAN TO STEP OUT.

1445. GREGG OFFSITE

1458. PADRE OFFSITE GATE LOCKED.

Mileage: RMZ miles

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Page _____ of _____

REPORT OF FIELD OBSERVATIONS

Job No.: 2002-7861	Date: 9.30.21	M	T	W	<u>T</u>	F	S	S
Client: CSLC	Project: SITE ASSESSMENT							
Location: Rincon ONSHORE	Weather: CLEAR: mild							
Observer: RMZ	Observation Period	Start:	Stop:					

Description: 6:50 PADRE & GREGG ONSITE

- ESTABLISHED NEXT DRILL HOLE LOCATION DH.18
- COLLECTED WATER SAMPLES FROM DH.19 AND DH.20
- SET GROUNDWATER MONITORING WELL MW.7 AT THE LOCATION OF DH.21
- DRILL HOLE LOCATIONS SURVEYED W/ TRIMBLE GPS
- CUTTINGS STORED IN LABELLED 55-gallon DRUM STAGED AT EACH DRILL HOLE LOCATION

1530 GREGG OFFSITE

1809 PADRE OFFSITE. GATE LOCKED

- REQUESTED PORTABLE TOILET PICKUP FOR FRIDAY.

RMZ

Mileage: _____ miles

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REPORT OF FIELD OBSERVATIONS



Job No.: 2002-7861	Date: OCT 1, 2021	M	T	W	T	<u>F</u>	S	S
Client: CSLC	Project: GW SAMPLING							
Location: RINCON ONSHORE	Weather: CLEAR: WARM							
Observer: RMZ	Observation Period	Start:	Stop:					

Description: 835. PADRE ONSITE

ACCESSED WELL LOCATION - SET UP EQUIPMENT.

- SURGED / BAILED WELL W/ HAND BALLER
- PURGED / SAMPLED WELL W/ PERISTALTIC PUMP
- MEAGHER ONSITE TO SURVEY WELL.

1016 PADRE OFFSITE / GATE LOCKED.

- SAMPLES MAINTAINED IN A COOLER WITH ICE PENDING DELIVERY TO THE LAB.

1112 - SAMPLES PICKED UP BY DEC COURIER FROM PADRE VENTURA OFFICE.

RMZ

Mileage: _____ miles

Copy Sent to Client: Y N

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REPORT OF FIELD OBSERVATIONS



Job No.: 2002-7861	Date: 11-1-21	(M) T W T F S S
Client: CSLC	Project: RINCON ONSHORE	
Location: U.S. Hwy 101	Weather: CLEAR: COOL	
Observer: RMZ	Observation Period	Start: Stop:

Description: 6:45 AM. MET W/ SOCAL LOCATORS AT PCH TO MARK UTILITIES AT DRILL HOLE LOCATIONS.

8:30 GREGG ONSITE. REVIEWED SCOPE & SAFETY

8:45 - 8:55 PROCEEDED TO LOCATION ON U.S. HWY 101

9:11. SET UP AT DH. 24 (NORTH)

11:36 COMPLETED DH. 24 TO 35' SAMPLES COLLECTED EVERY 10 FT AND GW SAMPLE COLLECTED FROM 2" ϕ PVC TEMPORARY WELL.

THE DRILL HOLE WAS BACKFILLED W/ 18 BAGS OF CEMENT W/ BENTONITE SLURRY.

1220. RESUME AT DH. 25. (SOUTH)

1440. COMPLETED DH. 25 TO 35' SAMPLES COLLECTED AT 10' AND 30' AND GW SAMPLE COLLECTED FROM 2" ϕ PVC TEMPORARY WELL.

THE DRILL HOLE WAS BACKFILLED W/ 18 BAGS OF CEMENT W/ BENTONITE SLURRY.

1445 DE-MOB'D TO VTA & BACK TO ONSHORE SITE UNLOADED DRUMS, LABELLED.

- FILLED DRILLING RIG WATER TANK.

1545. PADRE & GREGG OFFSITE. GATE LOCKED.

Mileage: _____ miles

Copy Sent to Client: Y N

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Page _____ of _____

RMZ

GROUNDWATER SAMPLE LOG

Client Name:	Driltek		Date:	3/29/21	
Project Name:	Rincon Onshore		Project No.	1901.2392	
Well I.D.:	MW.1	Sample I.D.:	MW.1	Time Sampled:	1345
Well Depth:	16.0	Column in Casing:	5.83	(ft)	
Well Casing Diameter:	4"	Unit Casing Volume:	* 0.65	(gal/ft)	
Depth to Groundwater:	14.24/10.17	Casing Water Volume:	3.79 * 3 = 11.37	(gal)	
Weather Conditions	CLEAR: WARM				
Observations/Comments (e.g., duplicate sample collected, well condition):	BALLED 5 gal WITH HAND BAILER PURGED DRY AFTER ~1 gal.				
QUALITY ASSURANCE	Water Sample Collection Method:	PE DISPOSABLE BAILER and TWINE			
	Water Level Measurement Method:	SOUNDER / INTERFACE PROBE			
Pump Lines / Bailer Ropes:	DEDICATED 1/4 PE TUBING				
Method of Cleaning Bailer / Pump:	ALCONOX SOAP AND TAP RINSE TIMES 2				
Method of Purging Water:	SUBMERSIBLE PUMP / MANUAL BAILER / PERISTALTIC				
Multi-Parameter METER:	YSI 556	Calibrated:	3.24.21		
Turbidity Meter:	LAMOTE 2020	Calibrated:	3.29.21		

[illegible]

FREE PRODUCT	NO	THICKNESS (FT)	DRIPLETS	OIL/GAS	OIL
DEPTH TO WATER -END OF PURGE:	15.2	DTW SAMPLE COLLECTION	14.36/10.36		

Gallons Discharged: 4.08 Discharge Time: 37mins Total Casing Volumes Removed: 21

Method of Disposal of Discharged Water:	ONSITE
Sample Containers Filled:	3 10A LAMBER 1 250 mL Poly
Water Sample Description (e.g., color, turbidity):	60.2 NTU
Sample Identification Numbers:	MUN-9

GROUNDWATER SAMPLE LOG

Client Name:	<u>DRITEK</u>		Date:	<u>3/29/21</u>
Project Name:	<u>Rincon Onshore</u>		Project No.	<u>1901-2932</u>
Well I.D.:	<u>MW.2</u>	Sample I.D.:	<u>MW.2</u>	Time Sampled: <u>1331</u> ✓
Well Depth:	<u>20.07/17.08</u>	Column in Casing:	<u>6.88</u>	(ft)
Well Casing Diameter:	<u>4"</u>	Unit Casing Volume:	<u>*0.65</u>	(gal/ft)
Depth to Groundwater:	<u>13.2/10.2</u>	Casing Water Volume:	<u>4.47 * 3 = 13.4</u>	(gal)
Weather Conditions:	<u>CLEAR: MILD</u>			
Observations/Comments (e.g., duplicate sample collected, well condition):	<u>TOP OF CASING / GROUND SURFACE</u> <u>BALLED 5 GAL W/ HAND BAILER</u>			
QUALITY ASSURANCE	Water Sample Collection Method: <u>PE DISPOSABLE BAILER and TWINE</u>			
	Water Level Measurement Method: <u>SOUNDER / INTERFACE PROBE</u>			
Pump Lines / Bailer Ropes:		<u>DEDICATED 1/4 PE TUBING</u>		
Method of Cleaning Bailer / Pump:		<u>ALCONOX SOAP AND TAP RINSE TIMES 2</u>		
Method of Purging Water:		<u>SUBMERSIBLE PUMP / MANUAL BAILER / PERISTALTIC</u>		
Multi-Parameter METER:		<u>YSI 556</u>	Calibrated:	<u>3/24/21</u>
Turbidity Meter:		<u>LAMORTE 2020</u>	Calibrated:	<u>3/29/21</u>

Date	Time	Discharge (gallons)	Temp (°C)	pH	Sp. Cond. (mS/cm)	COLOR	HC Sheen Y/N	D.O. (mg/L)	ORP (mV)	Turbidity NTU
3/29	906	1	18.85	5.41	5.872	GRAY	NO	4.71	-101.7	-27
	909	4.5	18.92	5.42	5.617	CLOUDY	NO	1.67	-65.4	2975 AU
	912	9.0	18.97	5.49	5.482	"	NO	1.33	-75	1227 AU
	915	12	19.01	5.64	5.357	"	"	1.19	-103	12 NTU
	918	15	19.01	5.49	5.234	CLEAR	"	1.20	-116.9	-7 NTU

FREE PRODUCT <u>Y/N</u>	THICKNESS (FT) <u>—</u>	OIL/GAS <u>—</u>
DEPTH TO WATER - END OF PURGE: <u>10.14</u>		DTW SAMPLE COLLECTION <u>13.2'</u>

Gallons Discharged: <u>20 gal</u>	Discharge Time: <u>25 min</u>	Total Casing Volumes Removed: <u>~5</u>
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Method of Disposal of Discharged Water:	<u>ONSITE</u>
Sample Containers Filled:	<u>3 VOA LAMBER 1 250m Poly.</u>
Water Sample Description (e.g., color, turbidity):	<u>59 NTU</u>
Sample Identification Numbers:	<u>MW.2</u>

GROUNDWATER SAMPLE LOG

Client Name:	DRIGEK	Date:	3/29/21
Project Name:	RINCON ONSHORE	Project No.	1901.2932
Well I.D.:	MW-3	Sample I.D.:	MW-3
Well Depth:	20'	Time Sampled:	1315 ✓
Well Casing Diameter:	4"	Column in Casing:	9.15 (ft)
Depth to Groundwater:	14.35 / 10.85	Unit Casing Volume:	*0.65 (gal/ft)
Weather Conditions:	CLEAR - MILD	Casing Water Volume:	5.95 * 3 = 17.85 (gal)
Observations/Comments (e.g., duplicate sample collected, well condition):	MEASURED FROM TOP OF CASING BAILED 5 gallons w/ 2" HAND BAILER SULFUR ODOR		
QUALITY ASSURANCE	Water Sample Collection Method: PE DISPOSABLE BAILER and TWINE		
	Water Level Measurement Method: <u>SOUNDER</u> / INTERFACE PROBE		
Pump Lines / Bailer Ropes:		DEDICATED 1/4 PE TUBING	
Method of Cleaning Bailer / Pump:		ALCONOX SOAP AND TAP RINSE TIMES 2	
Method of Purging Water:		SUBMERSIBLE PUMP / MANUAL BAILER / PERISTALTIC	
Multi-Parameter METER:	YSI 556	Calibrated:	3/24/21
Turbidity Meter:	LAMOTTE 2020	Calibrated:	3/29/21

Date	Time	Discharge (gallons)	Temp (°C)	pH	Sp. Cond. (mS/cm)	COLOR	HC Sheen Y/N	D.O. (mg/L)	ORP (mV)	Turbidity NTU
3/29	815	1	18.59	6.1	4.592	GRAY	NO	3.21	-92.5	-22
	818	5	19.89	4.4	5.028	GRAY	NO	3.16	-189.5	-1
	821	10	20.11	4.06	5.187	GRAY	NO	1.41	-208.0	-21
	824	15	20.23	4.11	5.519	GRAY	NO	1.70	-216.8	-22
	829	20	20.26	4.26	5.453	GRAY SLIGHT		2.10	-215.4	1687 AU
	832	24	20.26	4.39	5.488	CLEAR	-	2.05	-218.3	630 AU

FREE PRODUCT ☒	THICKNESS (FT) —	OIL/GAS —
DEPTH TO WATER - END OF PURGE: 13.09 / 10.8		DTW SAMPLE COLLECTION 14.35

Gallons Discharged: 30	Discharge Time: 3:30	Total Casing Volumes Removed: ~5
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Method of Disposal of Discharged Water:	ONSITE
Sample Containers Filled:	3 VOA 1 AMBER 1 250mL Poly
Water Sample Description (e.g., color, turbidity):	32 NTU
Sample Identification Numbers:	MW-3

GROUNDWATER SAMPLE LOG

Client Name:	<u>Dril'tek</u>		Date:	<u>3.29.21</u>	
Project Name:	<u>Rincon Onshore</u>		Project No.	<u>1901-2392</u>	
Well I.D.:	<u>MW-6</u>	Sample I.D.:	<u>MW-6</u>	Time Sampled:	<u>1448</u>
Well Depth:	<u>17.16'</u>	Column in Casing:	<u>6.16</u>	(ft)	
Well Casing Diameter:	<u>4"</u>	Unit Casing Volume:	<u>*0.65</u>	(gal/ft)	
Depth to Groundwater:	<u>13.4/11.0'</u>	Casing Water Volume:	<u>4*3=12</u>	(gal)	
Weather Conditions	<u>clear: mild</u>				
Observations/Comments (e.g., duplicate sample collected, well condition):	<u>BALLED 5 gal WITH HAND BALLER PURGED DRY AFTER 5 gal.</u>				
QUALITY ASSURANCE	Water Sample Collection Method:	<u>PE DISPOSABLE BAILER and TWINE</u>			
	Water Level Measurement Method:	<u>SOUNDER / INTERFACE PROBE</u>			
Pump Lines / Bailer Ropes:	<u>DEDICATED 1/4 PE TUBING</u>				
Method of Cleaning Bailer / Pump:	<u>ALCONOX SOAP AND TAP RINSE TIMES 2</u>				
Method of Purging Water:	<u>SUBMERSIBLE PUMP/ MANUAL BAILER/ PERISTALTIC</u>				
Multi-Parameter METER:	<u>YSI 556</u>	Calibrated:	<u>3.24.21</u>		
Turbidity Meter:	<u>LAMOTHE 2020</u>	Calibrated:	<u>3.29.21</u>		

Date	Time	Discharge (gallons)	Temp (°C)	pH	Sp. Cond. (mS/cm)	COLOR	HC Sheen Y/N	D.O. (mg/L)	ORP (mV)	Turbidity NTU
3/29	1222	1.0	20.84	7.72	3.658	GRAY	y	1.22	-272.3	-22
	1225	5.0	20.74	7.53	3.744	GRAY	y	1.22	-264.6	3742AV
	1226	7.0	20.92	7.50	3.897	cloudy	slight	2.82	-263.4	1037AV
	1234	8.0	20.81	7.50	3.934	cloudy	no	1.93	-268.7	34
		PURGED DRY.								

FREE PRODUCT Y/N SHEEN THICKNESS (FT) - OIL/GAS oil
 DEPTH TO WATER -END OF PURGE: 15.12 DTW SAMPLE COLLECTION 13.45/10.98

Gallons Discharged: 17 gal Discharge Time: _____ Total Casing Volumes Removed: _____

Method of Disposal of Discharged Water: ONSITE
 Sample Containers Filled: 3 VOA 1 AMBER
 Water Sample Description (e.g., color, turbidity): 1630 AV
 Sample Identification Numbers: MW-6

GROUNDWATER SAMPLE LOG

Client Name:	CSLC		Date:	10/1/21
Project Name:	Rincon Onshore		Project No.	2002-7861
Well I.D.:	MW. 7	Sample I.D.:	MW. 7	Time Sampled: 955
Well Depth:	16.68	Column in Casing:	3.63	(ft)
Well Casing Diameter:	2" 4"	Unit Casing Volume:	0.16 / 0.65	(gal/ft)
Depth to Groundwater:	13.05	Casing Water Volume:	0.58	(gal)
Weather Conditions:	CLEAR : WARM x3 = 1.74			
Observations/Comments (e.g., duplicate sample collected, well condition):	NEW WELL. PURGED 1.5 gal from well USING HAND BAULER. SEDIMENT REMOVED FROM BOTTOM OF WELL.			
QUALITY ASSURANCE	Water Sample Collection Method:	PE DISPOSABLE BAILER and TWINE		
	Water Level Measurement Method:	SOUNDER / INTERFACE PROBE		
Pump Lines / Bailer Ropes:	DEDICATED 1/4 PE TUBING			
Method of Cleaning Bailer / Pump:	ALCONOX SOAP AND TAP RINSE TIMES 2			
Method of Purging Water:	SUBMERSIBLE PUMP PERISTALTIC PUMP			
Multi-Parameter METER:	YSI 556 MPS	Calibrated:	5/12/21	
Turbidity Meter:	LaMotte 2020 we	Calibrated:	5/13/21	

Date	Time	Discharge (gallons)	Temp (°C)	pH	Sp. Cond. (mS/cm)	COLOR	HC Sheen Y/N	D.O. (mg/L)	ORP (mV)	Turbidity NTU
10/1/21	916	0	21.5	7.46	4.41	Green	N	3.65	16.6	-22 NTU
	921	0.5	20.9	7.39	4.34	"	"	1.84	10.4	-22 NTU
	927	1.0	21.21	7.33	4.35	cloudy	"	0.78	-18.7	2736 AU
	928	1.25	20.97	7.33	4.29	cloudy	"	0.76	-19.6	1471 AU
	933	1.5	21.07	7.36	4.295	"	"	1.23	-24.6	1349 AU
	937	2.25	20.8	7.31	4.223	"	"	0.58	-47.1	41 NTU
	943	3.0	20.82	7.32	4.198	clear	"	0.56	-58.2	21 NTU

FREE PRODUCT ☒ THICKNESS (FT) — OIL/GAS
DEPTH TO WATER - END OF PURGE: 13.17 DTW SAMPLE COLLECTION

Gallons Discharged: 3 Discharge Time: 27 mins Total Casing Volumes Removed: 5.57

Method of Disposal of Discharged Water:	DRUM
Sample Containers Filled:	1 AMBER 3 VOA
Water Sample Description (e.g., color, turbidity):	
Data Collected by:	Padre (RMZ & WJS)
Analytical Laboratory:	OEC LABS

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No. 244		2. Page 1 of 1	
3. Generator's Name and Mailing Address PAINTER ASSOCIATES INC 1801 NORTH 5TH VENTURA, CA 93003							
4. Generator's Phone (408) 207-6477							
5. Transporter 1 Company Name WORLD OF ENVIRONMENTAL SERVICES		6. US EPA ID Number CA00028271030		A. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone (408) 885-7400			
9. Designated Facility Name and Site Address WORLD OF ENVIRONMENTAL SERVICES 2000 NORTH ALVARADO STREET CUMMINGTON, CA 95222		10. US EPA ID Number CA1002911333		C. State Transporter's ID			
				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone (408) 437-7400			
11. WASTE DESCRIPTION				12. Containers		13. Total Quantity	
				No. Type		Unit	
a. NON-HAZARDOUS WASTE, SOLID (SILICO)				24 DM		16.000	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above WASTE GENERATED BY PAINTER ASSOCIATES INC 07/22				H. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information EMERGENCY CONTACT: CHEMICAL 1-800-424-9300 USE PPE NOTE: WASTE HANDLING CODES: 000000, 000001, 000002, 000003, 000004, 000005, 000006, 000007, 000008, 000009, 000010, 000011, 000012, 000013, 000014, 000015, 000016, 000017, 000018, 000019, 000020, 000021, 000022, 000023, 000024, 000025, 000026, 000027, 000028, 000029, 000030, 000031, 000032, 000033, 000034, 000035, 000036, 000037, 000038, 000039, 000040, 000041, 000042, 000043, 000044, 000045, 000046, 000047, 000048, 000049, 000050, 000051, 000052, 000053, 000054, 000055, 000056, 000057, 000058, 000059, 000060, 000061, 000062, 000063, 000064, 000065, 000066, 000067, 000068, 000069, 000070, 000071, 000072, 000073, 000074, 000075, 000076, 000077, 000078, 000079, 000080, 000081, 000082, 000083, 000084, 000085, 000086, 000087, 000088, 000089, 000090, 000091, 000092, 000093, 000094, 000095, 000096, 000097, 000098, 000099, 000100, 000101, 000102, 000103, 000104, 000105, 000106, 000107, 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APPENDIX B
DRILL HOLE LOGS
(COPIES ARE AVAILABLE UPON REQUEST)

APPENDIX C
LABORATORY ANALYTICAL REPORTS
(COPIES ARE AVAILABLE UPON REQUEST)