CITY OF OCEANSIDE

AMENDMENT 1 TO
PROFESSIONAL SERVICES AGREEMENT

PROJECT: ON CALL GEOTECHNICAL ENGINEERING SERVICES FOR WATER UTILITIES CAPITAL IMPROVEMENT PROJECTS

THIS AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT (hereinafter "Amendment"), dated _____ 20____, for identification purposes, is made and entered into by and between the CITY OF OCEANSIDE, Water Utilities Department, a municipal corporation, hereinafter designated as "CITY", and GEOCON INCORPORATED, hereinafter designated as "CONSULTANT."

RECITALS

WHEREAS, CITY and CONSULTANT are the parties to that certain Professional Services Agreement dated October 1, 2025, hereinafter referred to as "Agreement", wherein CONSULTANT agreed to provide certain services to the CITY as set forth therein;

WHEREAS, the parties desire to amend the Agreement to add sufficient funds for capital improvement projects.

AMENDMENT

NOW, THEREFORE, the parties hereto do mutually agree that the Agreement shall be amended as follows:

1. Section 7, Compensation, shall be amended to reflect that all work performed in accordance with Amendment 1 shall not exceed $150,000 for a total contract price not to exceed $250,000.

2. Except as expressly set forth in this Amendment, the Agreement shall remain in full force and effect and is hereby ratified and reaffirmed.

ON CALL GEOTECHNICAL ENGINEERING SERVICES FOR WATER UTILITIES CAPITAL IMPROVEMENT PROJECTS

SIGNATURES. The individuals executing this Amendment represent and warrant that they have the right, power, legal capacity and authority to enter into and to execute this Amendment on behalf of the respective legal entities of the CONSULTANT and the CITY.

IN WITNESS WHEREOF, the parties hereto being duly authorized on behalf of their respective entities to execute this Amendment, do hereby agree to the covenants contained in the Agreement, including this Amendment, and have caused this Amendment to be executed by setting hereunto their signatures on the dates set forth below.

GEOCON INCORPORATED

By: _____

Name/Title Shawn Weedon
Chief Executive Office/President

Date: March 5, 2026

By: _____

Name/Title William Lydon
Chief Financial Officer

Date: March 5, 2026

94-1750457

Employer ID No.

CITY OF OCEANSIDE

By: _____

Jonathan Borrego, City Manager

Date: _____

APPROVED AS TO FORM:

_____

City Attorney

NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of SAN DIEGO)

On MARCH 5, 2026 before me, LISA JO DUNCAN, NOTARY PUBLIC
(insert name and title of the officer)

personally appeared SHAWN WEEDON & WILLIAM LYDON,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

LISA JO DUNCAN
Notary Public - California
San Diego County
Commission # 2529863
My Comm. Expires Sep 5, 2029

Signature _____ **(Seal)**

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Proposal No. SD-26-0020-P-GT
January 12, 2026
Revised January 20, 2025

City of Oceanside
Water Utilities Department
300 North Coast Highway
Oceanside, California 92054

Attention: Ms. Robin Huber

Subject: PROPOSAL FOR GEOTECHNICAL INVESTIGATION FOR DEWATERING
BUCCANEER LIFT STATION
1424 S. PACIFIC STREET
OCEANSIDE, CALIFORNIA

Dear Ms. Huber:

In accordance with your request, we herewith submit our proposal to perform a geotechnical investigation for the Buccaneer lift station project located in Oceanside, California. To aid in preparing this proposal, we have reviewed the following documents.

- RFP: *Scope of Work: Geotechnical Investigation for Dewatering, buccaneer Lift Station Design and La Salina Wastewater Treatment Plant Decommissioning Project, City of Oceanside: Water Utilities Department.*
- *Contextual Site Plan, La Salina Wastewater Treatment Plant Decommissioning and Buccaneer Lift Station – Conditional Use Permit*, prepared by Tetra Tech, dated February 20, 2025.
- *Geotechnical Exploration Report, La Salina Sewer Lift Station Design and Wastewater Treatment Plant Decommissioning Project, 1330 South Tait Street, City of Oceanside, California*, prepared by Leighton Consulting, Inc.. dated May 25, 2106 (Project No. 11224.001).
- *Field Percolation Testing, La Salina Sewer Lift Station, 1330 South Tait Street, Oceanside, California*, prepared by Leighton Consulting, Inc., dated November 4, 2021 (Project No. 11224.002).
- *Summary of NPDES Groundwater Sampling, La Salina Sewer Lift Station, 1330 South Tait Street, Oceanside, California*, prepared by Leighton Consulting, Inc., dated November 4, 2021 (Project No. 11224.002).

We understand the City will be constructing Buccaneer Lift Station as part of the decommissioning of the La Salina Wastewater Treatment Plant. Based on the provided scope of work, our services are expected to consist of field exploration, groundwater monitoring well installation, geotechnical laboratory testing, hydraulic calculations and groundwater analysis, and preparing a report that can be used in the bedding process for dewatering, shoring, and construction of the lift station.

SCOPE OF WORK

Geotechnical and Groundwater Investigation

Based on the above discussion and our understanding of the project, we recommend that the scope of our services consist of the following:

Task 1: Pre-Fieldwork Activities

Review available geotechnical reports, literature, and maps relevant to the site, including previous geotechnical reports and information provided by the City. We will obtain a boring permit through the County of San Diego Department of Environmental Health to install the groundwater well and piezometers that will be needed for well testing.

Task 2: Boring and Groundwater Monitoring Well Installation

- We will drill and install 1 groundwater test well to a depth of at least 80 feet below ground surface (bgs). As this well will be utilized for groundwater pumping, we are proposing to install a 6-inch-diameter well screen and casing. The screened interval will be from 10 feet to 75 feet bgs.

- We will install 4 groundwater monitoring piezometers at various locations to be used during the aquifer pumping test. The piezometers will be 2-inch-diameter. The piezometers will be drilled to the following depths:

    - PZ-1a and PZ-1b (near the location of Leighton's (2016) CPT-1. This borehole will include two piezometers paired in the same borehole. PZ-1A will be screened from 10 feet to 37 feet bgs. The lower piezometer (PZ-1b) will be screen from 45 feet to 75 feet bgs. The interval from 38 feet to 44 feet bgs will be filled with neat cement or a cement-bentonite grout. These screen intervals will allow aquifer tests analysis to evaluate variations in the hydraulic conductivity, transmissivity, and storage coefficient of the upper and lower parts of the younger alluvium (Qa).

    - PZ-2a and PZ-2B will be located in the mapped area of the older alluvium (Qol). The piezometers will be 2-inch-diameter and will be constructed in separate boreholes. Upper piezometer (PZ-2A) to be screened from 10 ft bgs to 35 ft bgs, or the base of the older alluvium as identified during drilling. Lower piezometer (PZ-1B) will be screened from 40 ft bgs, or 5 ft below the top of the Santiago Sandstone (Tsa) as identified during drilling, to 75 ft bgs. Screened intervals are based on CPT-2 and LB-8 lithology from Leighton (2016). These screened intervals will allow the aquifer test analysis to evaluate variations in the hydraulic conductivity, transmissivity, and storage coefficient of the older alluvium (Qol) and the Santiago Formation (Tsa) sandstone.

- Excavated soils from the well and piezometer construction will be placed in a bin. The soils will be removed from the site after laboratory testing is completed. The costs for removal of the soils assumes the soil can be taken to a normal non-hazardous disposal site. If impacted soil is encountered, additional costs would be incurred for disposal. These costs would be an extra to the contract and can be identified once laboratory testing is completed.

- We will perform groundwater sampling and laboratory testing in support of a groundwater discharge permit.

- If the aquifer pumping test outlined in Task 6 will be performed at a later date, we will perform 1-hour air lift tests in the monitoring well and piezometers to evaluate aquifer characteristics. Groundwater will be discharged into the sewer system under the discharge permit that will be obtained during this task.

Task 3: Geotechnical Laboratory Testing:

During drilling of the monitoring well and piezometers, we will collect soil samples to evaluate soil classification and engineering properties necessary to evaluate appropriate design parameters. Testing will include in-situ moisture content and dry density, Atterberg Limits, shear strength, consolidation, soil corrosivity and sieve analysis. We will also perform environmental laboratory testing to evaluate soil collected in drums/bins for future disposal. These tests are expected to consist of TPH, metals, and VOCs.

Task 4: Hydraulic Calculations and Groundwater Analytical:

Geocon will compile the available data obtained during this investigation and from prior investigations to define the aquifer hydraulic properties appropriate to calculate a preliminary and approximate theoretical dewatering rate for the proposed improvements.

The most critical parameters are the transmissivity and storage coefficients for each geologic unit, which would be provided through the evaluation of the Task 6 aquifer pumping test, if performed at this time. If the aquifer pumping test will be performed later, we would utilized the preliminary aquifer test information for the air lift test proposed in Task 2. These values will be incorporated into an analytical model that we have used on numerous projects in southern California to estimate temporary construction dewatering rates.

In addition, as part of our analysis we will provide a narrative discussion of, and present in tabular and graphical format, the following data:

- Measured groundwater levels and depths during field investigation and the aquifer pumping test described in the Task 6 or alternatively, using data from the air lift tests proposed in Task 2;
- Water level data;
- Soil classification and stratification information from field samples (Task 2) and the geotechnical laboratory testing (Task 3) and discuss their implications relative to groundwater flow and dewatering; and
- Discussion of local hydrogeologic conditions, including proximity to Loma Alta Creek and the Pacific Ocean.

The narrative and data will be organized in a manner appropriate to support the City's design-build bid package, in a format suitable for potential contractors to use during the bidding process and subsequent construction activities.

Task 5: Analysis and Report Preparation

Groundwater Analysis Report: Geocon will provide an analysis of potential dewatering requirements in a report to support the City's anticipated "design-build package that will be advertised for public bidding", as stated in the RFP. This analysis stems from results of drilling efforts in Task 2, aquifer testing with the pertaining hydraulic evaluation carried out in Addendum Task, as well as from additional hydraulic calculations and groundwater analysis carried out in Task 4.

The report will summarize the results of piezometer and test well drilling including copies of associated permits, logs of the borings, well construction details, pump test logs, data and analysis, photographs, and well completion reports.

We will email a draft report for your review, followed by a signed and stamped electronic copy (PDF format) of our final report.

Geotechnical Report: Geocon will prepare a geotechnical report presenting our findings and conclusions and recommendations regarding geotechnical aspects of constructing the proposed lift station. The report will include a summary of subsurface conditions including soil stratigraphy, soil types and engineering properties. We will also provide foundation design criteria (allowable soil bearing pressures, lateral earth pressures), excavation characteristics and ground stabilization measures. We will also include supporting calculations. The report will include a map showing the location of the borings and boring logs.

Task 6: Aquifer Pumping Test

As stated in the City of Oceanside's *Scope of Work: Geotechnical investigation for Dewatering*, the final report will be included as part of a design-build package that will be advertised for public bidding. It is Geocon's experience that prospective bidders will need the results of an aquifer pumping test and estimates of potential dewatering rates to complete adequate bids and to minimize the potential for change orders related to differing or changing conditions. The depths and construction details for the test well and piezometers identified in our Task 2 scope in this proposal have been specifically developed to support the aquifer pumping test scope described below. However, if the aquifer pumping test will be performed at a later date, we will perform air lift tests to get preliminary aquifer information to support analysis and calculations in Task 4 and 5.

Pumping will occur from the test well TW-1. The target pumping rate will be identified during well installation and development, based on water production rates reported by the C-57 contractor.

Geocon will coordinate with the contractor to obtain and install a pump capable of producing the target pumping rate from TW-1. The contractor will install a sounding tube and connect the pump to temporary power. Pumping will occur for a minimum of 24 hours so that the effects of pumping can be monitored at the piezometers, as discussed further below. Pumping rates will be monitored by an instantaneous and cumulative flow meter. We will periodically measure pH, temperature, electric conductivity, and turbidity using a portable water quality multimeter. This yields information on dynamic groundwater characteristics over the course of pumping. Aquifer recovery will be monitored by staff onsite preliminarily up to 12 hours after cessation of pumping. Water levels will be measured in TW-1 and in each of the four piezometers (PZ-1A & B and PZ-2A & B) using downhole combined electronic pressure transducers and dataloggers. The dataloggers will be installed in the test well and each piezometer at least one week prior to the aquifer pumping test to monitor the potential for tidal fluctuations in each geologic formation and to identify any potential seasonal trends in groundwater levels. Similarly, at the end of the aquifer pumping test, the dataloggers will be left in the test well and piezometers for at least a week to record water level recovery and post-test tidal and seasonal fluctuations.

In addition, a datalogger will also be temporarily placed in Alta Loma Marsh adjacent to the project site to monitor any changes in the water level in the marsh. The data will be assessed to determine if the pumping had any effect on the marsh, or whether the water in the marsh had any effect on groundwater levels.

Following completion of the aquifer testing, the contractor will remove the temporary pump assembly.

The aquifer test data will be interpreted using the computer program AQTESOLV, which is a standard technique for aquifer test evaluation and interpretation. The test results will be used to estimate aquifer properties such as hydraulic conductivity, transmissivity, and storage coefficient for each of the primary geologic formations in the subsurface. These results will be incorporated into the analyses and discussions in Tasks 4 and 5.

The produced groundwater will need to be managed in accordance with applicable regulations. Options for management and disposal include:

- Discharge to Alta Loma Marsh under a permit from the San Diego Regional Water Quality Control Board. In 2021, Leighton conducted a groundwater sampling event from temporary groundwater monitoring well LG-1, completed in the younger alluvium (Qa). Ammonia, total nitrogen, and total phosphorus exceeded the Regional Water Board standards for discharge of groundwater to surface waters. Therefore, this option does not appear to be feasible. Moreover, discharge to Alta Loma Marsh would disturb the water level in the marsh, complicating an analysis of surface water influence upon the groundwater.

- Discharge to the City's sanitary sewer system under a temporary permit. Groundwater samples obtained under Task 2 will be sampled and tested in support of a discharge permit. It is preliminarily anticipated that the discharge rate would be less than 100 gallons per minute (0.223 cubic feet per second). Adequate sewer and treatment plant capacity would need to be confirmed prior to implementing this option.

- Temporary onsite storage in a portable tank or series of Baker tanks. At 100 gpm and a 24-hour pumping duration, storage for up to 144,000 gallons would be required. After the aquifer pumping test is completed, disposal of the water would occur based on one of the above two options, depending on water quality and total volume.

Selection of the final method for water management and disposal will be based on the City's analysis of adequate sewer and treatment plant capacity, and the City's preferred option. Costs for a discharge permit to the San Diego Regional Water Quality Board or temporary storage with Baker tanks has not been included in this proposal.

Assumptions

- water disposal costs are not included (except for groundwater sampling and testing in support of a discharge permit to the sewer system), pending the City's determination of the preferable and viable option.

- adequate power to operate the pump will be provided onsite.

- We assume that water generated during yield testing can be discharged to the sanitary sewer system or on site in compliance with a Notice of Intent to comply with State Water Resources Control Board Water Quality Order No. 2003 0003-DWQ for Discharges to Land With a Low Threat to Water Quality.

PROPOSED FEE

Based upon the scope of services recommended above and assumptions made, we have summarized the cost per task on the following table. A breakout of costs is provided on our *Estimated Fee Analysis* (EFA) at the end of this proposal.

Item	Estimated Cost
Geotechnical and Groundwater Investigation	
Task 1:	$4,695
Task 2:	56,499
Task 3:	7,830
Task 4:	7,200
Task 5:	21,645
Total Estimated Cost (Tasks 1 – 5) =	**$97,869**
Task 6: (Aquifer Pump Testing)	$38,371
Total Estimated Cost (Tasks 1 – 6) =	**$136,240**

We propose to perform the scope of work outlined herein for a not to exceed fee of **$97,869** for Tasks 1 through 5 as outlined above and on the attached EFA. If Task 6 is authorized, we will perform the aquifer pumping test for a not to exceed fee of **$38,869**. We prepared this proposal with the understanding that the fieldwork will be performed Monday through Friday. Our services would be provided in accordance with the enclosed *Schedule of Fees/Terms and Conditions,* which is incorporated into and made part of this proposal. Invoices would be submitted at four-week intervals and would be itemized to reflect only the actual costs incurred. If unanticipated field conditions are encountered that require a significant modification to the recommended scope of work, we would not proceed with the modified scope without obtaining your verbal authorization. The proposed scope of services does not include the evaluation or identification of the potential presence of hazardous or corrosive materials on the site. We have based this proposal on prevailing wage rates.

We assume that the site plans provided for our use will show the locations of all underground utility lines and structures. We will not be responsible for damage to any such lines or structures that are not shown accurately on the plans provided to us. In addition, some disturbance to the existing pavement and landscape areas will occur as a result of the subsurface exploration. Although we will be careful to limit the extent of such occurrences, they cannot be avoided and this proposal does not include any costs to repave or landscape disturbed areas.

It is mutually agreed between Client and Geocon that all services afforded and work performed by Geocon are provided pursuant to Civil Code Section 2782, *et seq.*, and such agreement is expressly

integrated into and made a part of any and all contracts or agreements entered into between the parties.

Please carefully review the contents of this proposal, and the enclosed *Schedule of Fees/Terms and Conditions*. If they meet with your approval, please prepare the appropriate contract documents and forward them to us for review and signature.

If Geocon is required to provide an immediate defense to Client pursuant to a claim alleging the negligence of Geocon, Client will be billed on a time and materials basis for such defense in accordance with our *Schedule of Fees/Terms and Conditions*. If there is a final determination by a court of competent jurisdiction that a portion of the damages awarded in connection with a claim were caused by or attributable to Geocon, then Geocon shall be obligated to reimburse Client for that portion of the defense costs reasonably incurred by Client which is attributable to the portion of the damages caused by or attributable to Geocon. Notwithstanding the foregoing, under no circumstances shall Geocon be liable for providing an immediate defense to Client for any claim not alleging the negligence or other liability of Geocon.

Should you have any questions regarding this proposal, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON INCORPORATED

Rodney C. Mikesell
GE 2533
mikesell@geoconinc.com

RCM:kv

Enclosures: SF 2024; EFA

(e-mail) Addressee

RATE SHEET

SCHEDULE OF FEES

GEOCON

2024 Schedule of Fees - Geotechnical & Environmental

Professional Services	
Word Processor/Technical Editor/CAD (/hr.)	$ 105
Engineering Assistant/Lab Technician (/hr.)	$ 105
Special Inspector (/hr.)	$ 95
Engineering Field Technician (Incl. Vehicle and Nuclear Gauge) and Non-Destructive Testing (/hr.)	$ 110
Senior Engineering Field Technician (Incl. Vehicle and Nuclear Gauge) (/hr.)	$ 114
Staff Engineer/Geologist (/hr.)	$ 140
Senior Staff Engineer/Geologist (/hr.)	$ 155
Project Engineer/Geologist (/hr.)	$ 165
Senior Project Engineer/Geologist (/hr.)	$ 180
Senior Engineer/Geologist (/hr.)	$ 205
Associate Engineer/Geologist (/hr.)	$ 215
Principal Engineer/Geologist/Litigation Support	$ 220
Deposition or Court Appearance (/hr.)	$ 410
Attorney Fees (General) (/hr.)	$ 400
Overtime and Saturday Rate = 1.5 X Regular Hourly Rate	
Sunday and Holiday Rate = 2 X Regular Hourly Rate	
Minimum Professional Fee (Per Project)	$ 500
Minimum Field Services Fee (per day or call-out)	4 hrs.
Short-Notice Cancellation	4 hrs.
*Prevailing Wage Hourly Surcharge per California Labor Code §1720, et seq. (/hr.)	$ 55

Travel	
Personnel = Regular Hourly Rate	
Subsistence (Per Diem/Day)	$ 300

Equipment and Materials	
Nuclear Gauge = Included in Technician Rate	$ -
Coring Machine (concrete, asphalt, masonry) (/Day)	$ 195
Generator/Air Compressor (/Day)	$ 115
Asphalt Cold Patch, 60-lb. sack	$ 20
Concrete, 60-lb. sack	$ 20
GPS Unit	$ 180
Pick-Up Truck	$ 135
Equipment Truck	$ 216
Equipment Trailer	$ 105
pH/Conductivity/Temperature Meter (/Day)	$ 65
Drive-Tube Sampler or Hand Auger	$ 45
Soil Sample Tube (Brass or Stainless)	$ 12
Water Level Indicator	$ 45
Water Sampling Pump	$ 85
Photo-Ionization Meter	$ 135
Level D PPE/Decon Rinse Equipment	$ 60
Crack Monitor	$ 35
Moisture Dome Test Equipment	$ 50
55-Gallon Drum	$ 75
Outside Services/Equipment/Materials	+ 15%

Utility Location/Geophysical Services	
Utility Locating - Half Day - Single Person	$ 700
Utility Locating - Half Day - Two People	$ 1,400
Utility Locating - Full Day - Single Person	$ 1,200
Utility Locating - Full Day - Two People	$ 2,400
Seismic Remi Study - Half Day	$ 1,500
Seismic Remi Study - Full Day	$ 2,500
Multichannel Analysis Of Surface Waves - Half Day	$ 1,500
Multichannel Analysis Of Surface Waves - Full Day	$ 2,500
Electrical Resistivity Tomography - Half Day	$ 1,500
Electrical Resistivity Tomography - Full Day	$ 2,500
Refraction Study - Half Day	$ 1,500
Refraction Study - Full Day	$ 2,500
Underground Storage Tank Evaluation - Half Day	$ 1,500
Underground Storage Tank Evaluation - Full Day	$ 2,500
Utility Locating - Half Day - Single Person*	$ 1,000
Utility Locating - Full Day - Two People*	$ 2,000
Utility Locating - Full Day - Single Person*	$ 1,700
Utility Locating - Full Day - Two People*	$ 3,500
Seismic Remi Study - Half Day*	$ 2,000
Seismic Remi Study - Full Day*	$ 3,500
Multichannel Analysis Of Surface Waves - Half Day*	$ 2,000
Multichannel Analysis Of Surface Waves - Full Day*	$ 3,500
Electrical Resistivity Tomography Study - Half Day*	$ 2,000
Electrical Resistivity Tomography Study - Full Day*	$ 3,500
Refraction Study - Half Day*	$ 2,000
Refraction Study - Full Day*	$ 3,500
Underground Storage Tank Evaluation - Half Day*	$ 2,000
Underground Storage Tank Evaluation - Full Day*	$ 3,500
Mobilization Fee (Per 2 Hours)	$ 200
*Prevailing Wage Rates	
Seismic Processing Fee and Report	$ 1,000

Laboratory Tests	
Soil and Aggregate Properties	
#200 Wash (D1140/C117)	$ 70
Wet Sieve Analysis to #200 (D422)	$ 115
Hydrometer Analysis (D422)	$ 175
Sieve Analysis with Hydrometer (D422)	$ 199
Specific Gravity, Soil (D854)	$ 81
Specific Gravity Coarse Aggregate (C127)	$ 59
Specific Gravity Fine Aggregate (C128)	$ 79
Moisture Determination, tube sample (D2216)	$ 24
Moisture Determination and Unit Weight (D2937)	$ 47
Atterberg Limits: Plasticity Index (D4318)	$ 177
Sand Equivalent (D2419)	$ 120
pH and Resistivity (CAL643)	$ 140
Sulfate Content (CAL417)	$ 102
Chloride Content (CAL422)	$ 67

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Laboratory Tests

Shear Strength

Unconfined Compression (D2166)	$ 139
Direct Shear, Quick (D3080)	$ 265
Unconsolidated-Undrained Triaxial Shear/pt. (D2850)	$ 172
Unconsolidated-Undrained Triaxial Staged (D2850)	$ 208
Consolidated-Undrained Triaxial Shear/pt. (D4767)	$ 359
Consolidated-Undrained Triaxial Staged (D4767)	$ 421
Consolidated-Drained Triaxial Shear/pt. (EM1110)	$ 447
Consolidated-Drained Triaxial Staged (EM1110)	$ 634

Permeability, Consolidation, and Expansion

Permeability, Flexible Wall (D5084)	$ 343
Permeability, Rigid Wall (D5856)	$ 296
Consolidation, per point (D2435)	$ 59
Expansion Index (D4829/UBC 29-2)	$ 156

Compaction Curves

4-inch mold (D1557)	$ 235
6-inch mold (D1557)	$ 275
California Impact (CAL216)	$ 230
Check Point	$ 100

Soil and Aggregate Stability

Resistance Value, R-Value (D2844/CAL301)	$ 320
R-Value, Treated (CAL301)	$ 338
California Bearing Ratio (D1883)	$ 607
Stabilization Ability of Lime (C977)	$ 198

Aggregate Quality

Dry Sieve Analysis to #200 (C13)	$ 115
L.A. Rattler Test (500 rev.) (C131)	$ 214
Sulfate Soundness (per sieve size) (C88)	$ 115
Durability (fine or coarse) (D3744)	$ 191
Unit Weight (C142)	$ 80
Organic Impurities - Sand (C40)	$ 65
Friable Particles (C142)	$ 92
Fine Aggregate Angularity (AASHTO T304)	$ 300

Masonry

CMU Compressive Strength (C140)	$ 200
Compressive Strength, Grout (C1019/UBC 21-19)	$ 28
Compressive Strength, Mortar (C109/UBC 21-15,16)	$ 28
CMU Unit Wt., Dimen., Absorption (C140)	$ 153
Compressive Strength, Masonry Prism (C1314)	$ 200
Masonry Core Compression (C42)	$ 68
Masonry Core Shear (CBC 2105A.4)	$ 127

Spray Applied Fireproofing

Fireproofing Oven Dry Density/Thick (E605/E736)	$ 90

Laboratory Tests

Asphalt Concrete

Density, Hveem (D2726/CAL308)	$ 105
Stabilometer (D1560/CAL304)	$ 115
Theoretical Max. Specific Gravity (D2041)	$ 86
Sieve Analysis Extracted Aggregate (C136)	$ 100
% Asphalt, Ignition Method (CAL382)	$ 115
% Asphalt, Nuclear Gauge (CAL379)	$ 122
Unit Weight, Core (D 1188)	$ 67

Concrete

Compressive Strength, Cylinders (C39)	$ 29
Compressive Strength, Cylinders 6x12 (C39)	$ 32
Compressive Strength, Cores (C42)	$ 47
Unit Weight, Hardened Concrete (ASTM C642)	$ 58
Unit Weight, Lightweight Concrete (ASTM C567)	$ 78
Flexural Strength Beam (C78/C293)	$ 80
Splitting Tensile Test (C496)	$ 78
Mix Design Review	$ 231
Trial Batch Preparation/Organization (/Hr.)	$ 105
Compressive Strength, 2x2 Cube (Soil Nail Grout)	$ 29
Compressive Strength, 2x2 Cube (Non-Shrink Grout)	$ 29
Tensile Strength Fabrication (ASTM C192)	$ 1,000
Tensile Strength (ASTM C1583)	$ 650
Shrinkage (ASTM C159)	$ 450
MOE (ASTM C469)	$ 300
Chloride Ion Content (ASTM C1543/C1202)	$ 275

Steel Testing

Tensile Strength & Elongation (A370)	
#11 Bar & Smaller	$ 125
#14 Bar	$ 150
#18 Bar (Proof Test)	$ 175
Bend Test (A370)	
#11 Bar & Smaller	$ 75
#14 & #18 Bar	$ 100
Tensile - Mechanically Spliced Bar (A370)	
#11 Bar & Smaller	$ 200
#14 Bar & Larger	$ 250
Tensile – Electric Resist. Butt Splice (A370)	$ 200
Straightening of Bar (A370)	$ 75
Tensile Strength & Elongation (A370)	
Up to 200,000 lbs	$ 150
200,000 – 300,000 lbs	$ 175
300,000 – 400,000 lbs	$ 200

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Laboratory Tests	
High Strength Bolt, Nut & Washer Testing	
Tensile Tests on Bolts (A325/A490)	$ 125
Proof Load Test on Nuts (A563)	$ 125
Hardness Test on Bolts (A325/A490)	$ 75
Hardness Test on Nuts (A536)	$ 75
Hardness Test on Washers (F436)	$ 75

Common Analytical Tests	
Total Petroleum Hydrocarbons (EPA 8015M)	$ 105
Volatile Organic Compounds (EPA 8260B)	$ 165
Semi-Volatile Organic Compounds (EPA 8270)	$ 300
CAM 17 Metals (EPA 6010B)	$ 180
Single Metal (EPA 6010B)	$ 40
Organochlorine Pesticides (EPA 8081)	$ 140
Polychlorinated Biphenyls (EPA 8082)	$ 120
Polynuclear Aromatic Hydrocarbons (EPA 8270)	$ 180
Soil pH (EPA 9045C)	$ 40
Asbestos-PLM	$ 30
STLC or TCLP Extraction	$ 100
Sample Compositing	$ 35
48-hour Turn-Around Time (Surcharge)	75%
24-hour Turn-Around Time (Surcharge)	100%

Terms and Conditions

1. Listed are typical charges for the services most frequently performed by Geocon. Prices for unlisted services as well as special quotations for programs involving volume work will be provided upon request. Laboratory test prices shown are for laboratory work only, and include reporting of routine results not calling for comments, recommendations or conclusions.
2. Sampling and testing is conducted in substantial conformance with the latest applicable or designated specifications of the American Society for Testing and Materials, Caltrans, American Association of State Highway and Transportation Officials, or other pertinent agencies.
3. Saturday, night work, and overtime hours are charged at time and one-half; Sundays and holidays at double time. Per diem is $155.00 per day when location of work dictates.
4. Equipment and materials will be billed at cost plus 15%. Outside services including subcontractors and rental of special equipment are billed at cost plus 15%. Hourly services are billed portal to portal from closest office in accordance with the stated hourly rates herein, with a minimum two-hour charge.
5. Invoices will be submitted at four-week intervals. Terms of payment are met upon presentation of invoice. Invoices become delinquent thirty (30) days from invoice date and subject to one and one-half percent (1-1/2%) service charge per month, or the maximum rate allowed by law, whichever is lower. If Client objects to all or any portion of any invoice, Client will so notify Geocon in writing within fourteen (14) calendar days of the invoice date, identify the cause of disagreement, and pay that portion of the invoice not in dispute. The parties will immediately make every effort to settle the disputed portion of the invoice. Payment on delinquent invoices will first be applied to accrued interest and then to the principal amount. All time spent and expenses incurred (including any attorney's fees and costs) in connection with collection of any delinquent amount will be paid by Client to Geocon per Geocon's current fee schedule.
6. Client and Geocon shall allocate certain of the risks so that, to the fullest extent permitted by law, Geocon's (the term "Geocon" includes Geocon's partners, officers, directors, employees, agents, affiliates, subcontractors and subconsultants) total aggregate liability to Client is limited to the greater of $50,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all of Client's injuries, damages, claims, losses, expenses, or claim expenses arising out of this Agreement from any cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above.
7. Client and Geocon shall allocate certain of the other risks so that, to the fullest extent permitted by law, Client shall limit Geocon's total aggregate liability to all third parties, including contractors, subcontractors of all tiers, materialmen, and others involved in Client's project, as well as persons and other entities not involved in the project, to the greater of $100,000 or the total compensation received from Client by Geocon for services rendered on this project, for any and all injuries, damages, cause or causes, including attorneys' fees and costs which may be awarded to the prevailing party, and Client agrees to indemnify and hold harmless Geocon from and against all liabilities in excess of the monetary limit established above, including all liability incurred by Geocon for acts, errors, or omissions, pursuant to entering into agreements with third parties on behalf of Client in order to obtain access or entry onto property not owned by Client. Client agrees to notify all contractors and subcontractors of any limitation of Geocon's liability to them, and require them to abide by such limitation for damages suffered by any contractor or subcontractor arising from Geocon's actions or inactions. Neither the contractor nor any subcontractor assumes any liability for damages to others which may arise on account of Geocon's actions or inactions.

ESTIMATED FEE ANALYSIS

Project Name: Buccaneer Lift Station Design and La Salina Wastewater Treatment Plant Decommissioning Project
Project Scope: GEOTECHNICAL INVESTIGATION FOR DEWATERING
Proposal Number: SD-26-0020-P-GT

TASK	QUANTITY	UNITS	RATE	MARKUP	AMOUNT
Task 1: Pre-Field Activities					
DEH Well Permit:	1	each	$3,100.00	1.05	$3,255
Well Application - Sr. Staff Geologist	4	Hours	$155.00	1.00	$620
Review of Reports - Sr. Engineer/Geologist	4	Hours	$205.00	1.00	$820
				Task 1 Total:	**$4,695**
Task 2: Boring and Groundwater Monitoring Well Installation					
Dig Alert Markout (Sr. Staff Geologist)	4	Hours	$155.00	1.00	$620
Drill Rig (Drilling and Supplies and Well Development for Air Lift Test)*	1	each	$37,000.00	1.05	$38,850
Sr. Staff Geologist (PW)	40	Hours	$210.00	1.00	$8,400
Sr. Engineer/Geologist	10	Hours	$205.00	1.00	$2,050
Bin Dropoff	4	Hours	$155.00	1.05	$651
Bin Disposal	1	each	$3,900.00	1.05	$4,095
Environmental Testing of Groundwater	1	each	$1,746.00	1.05	$1,833
***Drillers cost can be reduced by $5,500 if Task 6 is performed as air lift tests would not be needed**				**Task 2 Total:**	**$56,499**
Task 3: Geotechnical Laboratory Testing					
Geotechnical LaboratoryTesting	1	each	$4,500.00	1.00	$4,500
Groundwater Analyssis Lab (Grainsize) for Task 4	1	each	$2,700.00	1.00	$2,700
Environmental Laboratory Testing (soil for bin disposal)	1	each	$600.00	1.05	$630
				Task 3 Total:	**$7,830**
Task 4 - Hydraulic Calculations and Groundwater Analaytical - compilation and discussion of results and analysis					
Senior Hydrogeologist	8	Hours	$240.00	1.00	$1,920
Project Geologist	32	Hours	$165.00	1.00	$5,280
				Task 4 Total:	**$7,200**
Task 5 – Analysis and Report Preparation					
Groundwater Analysis Report					
Senior Hydrogeologist - Dewatering Drawdown Analysis	20	Hours	$240.00	1.00	$4,800
Senior Hydrogeologost - Report Preparation	12	Hours	$240.00	1.00	$2,880
Senior Engineer/Geologist	6	Hours	$205.00	1.00	$1,230
Project Geologist	40	Hours	$165.00	1.00	$6,600
Senior Staff Geologist	10	Hours	$155.00	1.00	$1,550
Drafting	5	Hours	$105.00	1.00	$525
Admin/Word Processing	2	Hours	$105.00	1.00	$210
				Subtotal:	**$17,795**
Geotechnical Investigation Report					
Project Engineer - Geotechnical Analysis	8	Hours	$165.00	1.00	$1,320
Project Engineer - Report Preparation	12	Hours	$165.00	1.00	$1,980
Senior Engineer/Geologist - Report Review	4	Hours	$205.00	1.00	$820
Drafting/CAD	8	Hours	$105.00	1.00	$840
Admin/Word Processing	2	Hours	$105.00	1.00	$210
				Subtotal	**$3,850**
				Total Task 5:	**$21,645**
				TOTAL TASKS 1 THROUGH 5:	**$97,869**

ESTIMATED FEE ANALYSIS

Project Name: Buccaneer Lift Station Design and La Salina Wastewater Treatment Plant Decommissioning Project
Project Scope: GEOTECHNICAL INVESTIGATION FOR DEWATERING
Proposal Number: SD-26-0020-P-GT

TASK	QUANTITY	UNITS	RATE	MARKUP	AMOUNT
Task 6 – Aquifer Pumping Test					
Senior Hydrogeologist	8	Hours	$240.00	1.00	$1,920
Project Geologist (Office Time)	32	Hours	$165.00	1.00	$5,280
Project Geologist (PW - Day Shift Regular Time) (incl. hydraulic evaluation)	16	Hours	$220.00	1.00	$3,520
Project Geologist (PW - Day Shift Overtime)	4	Hours	$330.00	1.00	$1,320
Project Geologist (PW - Night Shift Regular Time)	8	Hours	$220.00	1.00	$1,760
Project Geologist (PW - Night Shift Overtime)	4	Hours	$330.00	1.00	$1,320
Per diem	2	Days	$350.00	1.00	$700
Hotel	2	nights	$200.00	1.00	$400
Mileage (Site Visit)	424	Mile	$0.75	1.00	$318
Water Level Indicator	4	Day	$50.00	1.00	$200
ph/Conductivity/Temperature Meter	2	Day	$75.00	1.00	$150
Turbidity Meter	2	Day	$85.00	1.00	$170
Decon Rinse Equipment	2	Day	$50.00	1.00	$100
7 Water Level Dataloggers (uncabled) (incl 1 baro)	15	Day	$420.00	1.00	$6,300
Mobile Data Processing	4	Day	$100.00	1.00	$400
C-57/D-21 Contractor - includes pump rental, sounding tube, and new totalizer	1	Est	$13,000.00	1.05	$13,650
			Total Task 6:		**$38,371**
			TOTAL ESTIMATED PROJECT COST (TASKS 1 THROUGH 6):		**$136,240**

9085 Aero Drive, Suite B
San Diego, CA 92123
(877) 215-4321 | oneatlas.com

January 26, 2026
Proposal No. 23447

MS. ROBIN PEPPER HUBER, PE
ASSOCIATE ENGINEER – WATER UTLITIES DEPARTMENT
CITY OF OCEANSIDE
300 NORTH COAST HIGHWAY
OCEANSIDE, CALIFORNIA 92054

SUBJECT: Proposal for Geotechnical Investigation
City of Oceanside – Water Utilities Department
Buccaneer Lift Station and
La Salina Wastewater Treatment Plant Decommissioning Project
1330 South Tait Street
Oceanside, California

Dear Ms. Huber:

In accordance with your request, Atlas Technical Consultants LLC (Atlas) is pleased to submit this proposal to conduct a geotechnical investigation for the City of Oceanside's Water Utilities Department's Buccaneer Lift Station and La Salina Wastewater Treatment Plant Decommissioning project. The project site is located at 1330 South Tait Street in the city of Oceanside, California. The proposed project will consist of the design and construction of a new lift station wet well and emergency storage tank. Previous geotechnical studies have been performed for the project by others. However, it was determined that a deeper wet well than originally planned is required. Subsequently, a new geotechnical study, as well as a dewatering study, have been requested. Preparation of this proposal has included discussions with you, a review of the provided requested scope of scope of services document as well as a review of relevant geologic maps and aerial imagery.

SCOPE OF WORK

Main Investigation – Tasks 1 through 5

The purpose of our main geotechnical investigation is to address Tasks 1 through 5 of the requested scope of services document. We propose to perform geotechnical investigation by providing the following scope of services:

- Reviewing the existing geotechnical documents related to the site
- Coordinating site access with City of Oceanside personnel
- Obtaining a geotechnical boring permit from the San Diego County Department of Environmental Health and Quality (DEHQ)

- Marking proposed boring locations for utility clearance in accordance with Underground Service Alert (USA) DigAlert requirements
- Clearing proposed boring locations for potential underground conflicts with our in-house geophysical team
- Drilling a total of two borings within the proposed new wet well area using a truck mounted drill rig equipped with a hollow stem auger and mud rotary capabilities. The borings will be drilled to depths of up to 80 feet below existing grade, or refusal, whichever comes first.
- Assessing groundwater levels, if encountered
- An Atlas engineer or geologist will log the borings and obtain samples for examination and laboratory testing
- Upon completion of logging and sampling, one of the borings will be converted into an observation monitoring well in support of a dewatering study to be performed at the site.
- Slug testing will be performed at the monitoring well to obtain preliminary hydraulic conductivity values.
- Collecting drill cuttings in standard 55-gallon drums and temporarily storing onsite in a staging area designated by the client.
- Atlas will collect representative composite soil samples from the drummed cuttings for environmental and disposal characterization. The composite soil samples will be analyzed for following:
    - Total Petroleum Hydrocarbons (TPH) by EPA Method 8015M
    - Volatile Organic Compounds (VOC's), including benzene, toluene, and xylene by EPA 8260B
    - California Title 22 Metals by EPA Method 6010B
- Once the results of environmental testing are available, and assuming the drummed cuttings do not require special handling or disposal at a regulated facility, Atlas will coordinate the removal of drums. If special handling and disposal at a regulated facility are required, Atlas will prepare a separate scope and fee proposal to address those services.
- The borings will be backfilled in accordance with DEHQ permit requirements.
- Performing in-situ borehole percolation testing at two locations at the site at a depth of approximately 5 feet below existing grade
- Borings drilled in pavement areas will be patched with rapid set concrete or Aquaphalt.
- Performing geotechnical laboratory tests, which can include in-situ moisture content and dry density, sieve analysis, permeability, Atterberg Limits, shear strength, consolidation, and soil corrosivity.

We will prepare a final report that will include a plot plan, exploration logs, and a summary of the field exploration findings. Atlas will submit an electronic copy of the report. The report will include conclusions and recommendations regarding the following:

- Subsurface conditions beneath the site in accordance with Unified Soil Classification System

- Observed groundwater levels
- Laboratory estimated hydraulic conductivity values
- Potential geologic hazards, including liquefaction potential
- Mapped criteria for seismic design in accordance with the 2025 California Building Code
- Site preparation and grading
- Excavation characteristics
- Appropriate alternatives for foundation support (i.e., spread footings, mat foundations, etc.), along with geotechnical engineering criteria and design considerations for the foundation systems (i.e., bearing capacity, lateral resistance, settlement, etc.)
- Support for concrete slabs-on-grade
- Appropriate types of bedding and backfill materials as well as placement and compaction procedures for the utility trenches and other site improvements
- Temporary excavation construction consideration and allowable side slopes
- Lateral earth pressures and design parameters for temporary and permanent retaining structures (i.e., temporary and permanent shoring system, retaining walls, underground vaults, manholes, etc.)
- Theoretical construction dewatering rates based on laboratory analysis and the results of the in-situ percolation testing.
- Results of the corrosion study, including pH, Chlorites, Sulfates, and resistivity

Please note that the scope and fee presented herein does not constitute an environmental assessment of the project site of any kind. Rather environmental services rendered are strictly provided in order to characterize soil cuttings for disposal in accordance with regulatory requirements.

Additional Services – Task 6

As an option, Atlas will conduct an aquifer pumping test in accordance with Task 6 of the project requested scope of services document. The aquifer pumping test will be conducted under the direct oversight of a California Certified Hydrogeologist. The results of the test will be used to estimate aquifer properties such as hydraulic conductivity, transmissivity, and storage coefficient for each of the primary geologic formations in the subsurface. We assume that the pumping test generated water can be discharged into the City's sanitary sewer system under a temporary permit after testing priority pollutants.

SCHEDULE

We will mark out the proposed boring locations and Underground Service Alert (USA) will be notified as required by law within one week of notice to proceed and obtaining site access. USA requires 48 hours' notice before subsurface exploration can start. Subsurface exploration work can be completed within three weeks of utility clearance, obtaining site access, and obtaining

DEHQ permits. Laboratory testing can be completed within three weeks of fieldwork completion. The final report can be submitted within three weeks of completion of laboratory testing.

COST INFORMATION

We propose to provide the Geotechnical Investigation scope of services listed above for a lump-sum fee of **$51,970**. We estimate the fee for conduction the optional Task 6 aquifer pumping test will be approximately **$275,000**. Once Tasks 1 through 5 have been completed, Atlas will be able to refine and finalize the fee for conducting Task 6. These fees are based on our attached schedule of fees and the understanding that this project is subject to Prevailing Wage requirements. The cost of our services may exceed this estimate if unanticipated conditions are encountered that would warrant additional investigation or analysis.

AUTHORIZATION

This budget estimate will be valid for 90 days. If this budget estimate meets with your approval, please authorize our services by signing the attached Client Services Agreement and returning it to our office. We will, in turn, send you a fully executed original for your records.

Atlas appreciates this opportunity to provide our professional services and is most interested in becoming a member of your consultant team. Atlas has considerable experience in successfully providing these services and we are confident that we can provide them in a timely and cost-effective manner. Should you have any questions regarding this budget estimate, or if we may be of further service, please contact the undersigned.

Respectfully submitted,
ATLAS TECHNICAL CONSULTANTS LLC

Douglas A. Skinner, PG, CEG
Principal Geologist

Morteza Mirshekari, PhD, PE, GE
Geotechnical Practice Manager

DAS:MM:ji

Attachments: 2025 Schedule of Fees
Client Services Agreement

Distribution: Addressee via email at rhuber@oceansideca.org

SOUTHERN CALIFORNIA SCHEDULE OF FEES

California Prevailing Wage

Effective January 1, 2025

PROFESSIONAL SERVICES

Professional (Engineering, Geology, Geophysics, Environment, Envelope Services)	
Director/Principal Professional	$270*
Senior Professional	230 *
Project Professional	200
Staff Professional	170
Drafter Level II	120
Drafter Level I	110
Project Management	
Senior Project Manager	$220
Project Manager	200
Administrative Assistant	100
Field Services (Geotechnical, Special Inspection)	
Field Supervisor	$200
LA Certified Grading Inspector	225
Off Site Inspector	199
Laboratory Technician	100
Group 1 (Field Soils, Material Tester)	195
Group 2 (Special Inspection)	199
Group 3 (NDT Testing)	215
Group 4 (Coring)	190
NACE Inspector	225
Field Services (SUE Level B Utility Evaluations)	
Line Tracer, Electromagnetics, Magnetics	
Hourly Rate	$375
Mob/Demob	330
Letter Report	340
Map (per day of field work)	400
Additional Travel Time (2-hours outside San Diego)	165
Field Services (Potholing – 3-4 holes/day)	
Full Day Vacuum Utilivac (Backfill materials not included)	$3,500
Hourly Rate	375
Mob/Demob	330
Additional Travel Time (2-hours outside San Diego)	165
Field Services (Rebar Locating)	
Ground Penetrating Radar: Full Day (one person crew)	$1,590
Hourly Rate (A Mob/Demob charge of $190 applies to projects billed on hourly rates)	175
Letter Report	340
Map (per day of field work)	395
Ground Penetrating Radar: Full Day (two person crew)	$2,925
Hourly Rate (A Mob/Demob charge of $325 applies to projects billed on hourly rates)	325
Letter Report	340
Map (per day of field work)	395
Field Services (Geophysical Data Acquisition)	
UST, Landfill, Oil Well, Void, Pile Integrity Testing	
Full Day	$3,280
Hourly Rate (A Mob/Demob charge of $400 applies to projects billed on hourly rates)	360
Field Services (Advanced Geophysical Studies)	
Seismic, Sting ERT, Resistivity, Groundwater, UXO/MEC	
Full Day	$3,640
Hourly Rate (A Mob/Demob charge of $600 applies to projects billed on hourly rates)	380
Field Services (Seismic ReMi)	
One Line	$1,815
Each Additional Line	360
For Pavement/Requires Drilling	310

Field Services (Vibration Monitoring)

Mobilization	$1,170
Equipment (Daily)	235
Daily Analysis & Reporting (Daily)	95
Final Report Preparation	875
Manned Vibration Monitoring	Quote

Travel, Equipment, and Miscellaneous

Pick Up	$100/hour
Vehicle/Truck	100/day
Nuclear Gauge	50/day
Torque Wrench	50/day
Pull Testing	75/day
Air Meter	50/day
NDT Equipment	60/day
Coring Equipment	95/day
Travel Time Hourly Rate (or $135/hour beyond 1 hour from San Diego for Geophysical Crews)	
Overtime and Saturday Rate	1.5 x Regular Hourly Rate
Sunday and Nationally Recognized Holiday Rate (including the day after Thanksgiving)	2 x Regular Hourly Rate
Rush Surcharge	Normal Rate plus 50%
Per Diem (variable, depending on location)	Quote
Specialty Equipment Surcharge	Quote

LABORATORY TESTS

Soil and Aggregate

California Bearing Ratio (ASTM D854)	$515
California Impact (Cal 216)	255
Clay Lumps in Aggregate (ASTM C142)	185
Cleanness Value (Cal 227)	245
Compressive Strength of Rock Core (ASTM D7012)	320
Consolidation (ASTM D2435)	245
Corrosivity Testing (Soluble Chlorides and Sulfates, pH and Resistivity)	230
Crushed Particles (Cal 205, ASTM D5821)	185
Direct Shear (ASTM D3080)	320
Durability Factor (Cal 229, ASTM D3744)	120
Durability Index (Cal 229, ASTM D3744)	275
Expansion Index (ASTM D4829)	220
Fine Aggregate Angularity (AASHTO T304)	245
Fineness Modulus (ASTM C136)	35
Flat & Elongated Pieces (ASTM D4791)	215
Light Weight Pieces (ASTM C123)	215
Liquid Limit (Cal 204, ASTM D4318)	95
Los Angeles Abrasion (Cal 211, ASTM C131)	275
Maximum Density Check Point (ASTM D698/D1557)	110
Maximum Density/Optimum Moisture – 4 inch (ASTM D698, D1557)	245
Maximum Density/Optimum Moisture – 6 inch (ASTM D698, D1557)	270
Minimum Density (ASTM D1556)	95
Moisture Content (Cal 226, ASTM C566, ASTM D2216)	45
Natural Density Chunk Sample (ASTM D2937)	55
Natural Moisture/Density Ring or Core Sample (ASTM D2937)	50
One-Dimensional Swell or Collapse of Soils – per point (ASTM D4546)	235
Organic Impurities (Cal 213, ASTM C40)	115
Organic Matter (ASTM D2974)	95
Percent Finer than #200 (ASTM C117, ASTM D1140)	90
Permeability Remold Sample (ASTM D2434)	245
Permeability Remold Sample (ASTM D5084)	Quote
Permeability Undisturbed Sample (ASTM D5084)	Quote
Petrographic Analysis (Cal 215, ASTM C295)	Quote
pH & Resistivity (Cal 643, ASTM G51)	155
Plasticity Index (Cal 204, ASTM 4318)	160
Potential Reactivity (ASTM C289)	270
Residual Shear (ASTM D6467)	545
Rock Correction (ASTM D4718)	35
R-Value (Cal 301, ASTM D2844)	340
Sand Castle Test (USACE)	240
Sand Equivalent (Cal 217, ASTM D2419)	110

Sieve Analysis (ASTM C136, ASTM D6913, Cal 202)	135
Sieve Analysis with Hydrometer (Cal 203, ASTM D422)	245
Soil Cement Compression Strength (Cal 312, ASTM D1633)	65
Soil Cement Cylinder Fabrication (Cal 312, ASTM D1632)	125
Soil Cement Mixtures, Wetting and Drying (ASTM D559)	1,400
Soluble Chlorides (Cal 422)	80
Soluble Sulfate (Cal 417)	80
Soundness 5 Cycles (Cal 214, ASTM C88)	460
Specific Gravity Coarse Aggregate (Cal 206, ASTM C127)	145
Specific Gravity Fine Aggregate (Cal 207, ASTM C128)	145
Thermal Resistivity of Soils (remolded sample) (IEEE 422)	1,285
Triaxial Shear Consolidated – Undrained (ASTM D4767)	Quote
Triaxial Shear Unconsolidated – Undrained (ASTM D2850)	Quote
Triaxial Staged Consolidated – Undrained (ASTM D4767)	Quote
Triaxial Staged Unconsolidated – Undrained (ASTM D2850)	Quote
Unconfined Compression (ASTM D2166)	200
Unit Weight Aggregate (Cal 212, ASTM C29)	100

Asphalt Concrete

Asphalt Core Specific Gravity (Cal 308, ASTM D2726)	$85
Asphalt Core Specific Gravity Waxed (Cal 308, ASTM D1188)	105
Emulsion Content (CTM 382)	220
Film Stripping (Cal 302)	Quote
Gyratory Compacted Maximum Specific Gravity (AASHTO T312)	430
Hamburg Wheel Plant Produced HMA (AASHTO T324/Caltrans Section 39)	1,105
Hveem Maximum Bulk Specific Gravity (Cal 308)	370
Hveem & Stabilometer Value (Cal 366)	490
Ignition Oven Correction Factor (AASHTO T308)	310
Ignition Oven Degradation Factor (AASHTO T308)	310
Marshall Density Stability & Flow (ASTM D6927)	490
Marshall Density (ASTM D6926)	370
Moisture Content of Asphalt Mixtures Using Microwave (Cal 370)	65
Moisture Vapor Susceptibility (Cal 307)	Quote
Optimum Bitumen Content (AASHTO R35/Cal 367)	3,750
Percent Bitumen Asphaltic Concrete (Cal 382, ASTM D6307)	220
Residue by Evaporation (Cal 331)	220
Rice Maximum Theoretical Specific Gravity AC (Cal 309, ASTM D2041)	165
Sieve Analysis Extracted Aggregate (Cal 382, ASTM D5444)	115
Stability and Flow (ASTM D1559)	430
Stabilometer Value (Cal 366)	430
Tensile Strength Ratio Plant Produced HMA (AASHTO T283)	1,105
Wet Track Abrasion (ASTM D3910)	230

Concrete

2X2 Cube Compression	$35
Chloride Ion Testing (ASTM C1218)	270
Concrete Core Compression (ASTM C42)	75
Concrete Cylinder Compression (Cal 521, ASTM C39)	35
Flex Beam Modulus of Rupture (Cal 523, ASTM C78)	95
Modulus of Elasticity (Cal 522, ASTM C469)	320
Shotcrete Mockup Panel (ASTM C1140)	1,275
Shotcrete Panel, 3 Cores Compression (CBC)	360
Shrinkage Hardened Concrete (ASTM C157 Modified)	455
Split Tensile Concrete Cylinder (ASTM C496)	95
Time of Set (ASTM C403)	245
Trial Batch Fabrication (ASTM C192)	375
Unit Weight Hardened Concrete (ASTM C642)	70
Unit Weight Lightweight Concrete (ASTM C567)	90

Masonry

Absorption Block (ASTM C140)	$145
Compression Adobe	195
Compression Block Standard (ASTM C140)	185
Compression Brick (ASTM C67)	145
Efflorescence Block	215
Efflorescence Brick (ASTM C67)	215
Grout Prism Compression (ASTM C1019)	35
Masonry Core Compression (ASTM C42)	65

Masonry Core Shear (CBC 2105A.4)	120
Masonry Prism Compression (ASTM E447)	185
Modulus of Elasticity (Masonry Prism)	310
Mortar Bond Strength Pull Test (ASTM C482)	80
Mortar Cylinder Compression	35
Mortar Shear Strength (ANSI 118)	125
Relative Mortar Strength (Cal 515)	1,045
Shrinkage Masonry Block (ASTM C426)	310
Trial Grout Prisms (ASTM C942)	50
Water Retention and Air Content (ASTM C270)	675
Metal	
Bolt Assembly Hardness Test	$95
Bolt Assembly Tensile & Proof Load Test	155
Chemical Analysis	235
Modulus of Elasticity (Steel)	320
Post-Tension Tendon Tensile Testing	230
Tensile Strength & Bend Test Structural Steel (ASTM A370)	235
Tensile Strength & Bend Test Reinforcing Steel (ASTM A615/A706)	155
Tensile Strength #14 to #18 Bar (ASTM A615)	Quote
Tensile Strength Mechanical Splices #9 and Smaller (Cal 670)	Quote
Tensile Strength Mechanical Splices #10 to #14 (Cal 670)	Quote
Tensile Strength Mechanical Splices #18 (Cal 670)	Quote
Miscellaneous	
Fireproofing Density Test (ASTM E605)	$100
Fiber Reinforced Polymer Tensile (ASTM D3039)	705
Material Preparation	105
SFRM Adhesion/Cohesion Kit	55
Relative Humidity Test (ASTM F2170)	100/kit
Concrete Vapor Emission Kits (ASTM F1869)	90/kit
Miscellaneous Charges	Various
Default Expense	Various

TERMS AND CONDITIONS

Prevailing wage rates will increase consistent with general prevailing wage determinations made by the California Department of Industrial Relations.

All field services will be charged portal to portal with the following minimum charges:

1. The client will be invoiced only for the hours actually worked in 4 and 8 hour increments.
2. A 2-hour show-up charge will be applied to any service canceled the same day of service.
3. Work in excess of 8 hours up to 12 hours in a single day will be charged in 1-hour increments at 1.5 times the standard rate.
4. Work in excess of 12 hours in a single day will be charged in 1-hour increments at 2 times the standard rate.

Work performed by field or laboratory personnel outside of normal business hours (6:30 a.m. to 5:00 p.m.) will be charged a premium on a case-by-case basis. Work performed for Geophysical Studies outside of a standard work week will be charged an additional 50%.

Fees for specialty geophysical services such as seismic reflection, crosshole, gravity, pile integrity testing, vibration monitoring, magnetotellurics, UXO, MEC, etc. will based on a per project basis. Utility focused projects requiring specialized training such as MSHA (mines) or RSO (refineries) will be billed at a General Geophysical rate.

Other Direct Charges: Our company reserves the right to charge for services outside of the contract in the form of reimbursables, including but not limited to the following: jack and ram calibration, diamond coring bits, fuel, patching materials, mileage, travel time, equipment rental, and administrative time.

Mileage will be charged at the standard federal rate per mile for distances more than 50 miles from the location of dispatch. Per Diem charges will be applied to projects outside a 50-mile radius of our office.

Subcontracted services will be charged at cost plus 20 percent.

Invoices will be submitted monthly. These invoices are due in full upon presentation to the client. Invoices outstanding more than 30 days will be considered past due. A finance charge computed at the rate of 1.5 percent per month, which is an annual rate of 18 percent, will be charged on all past due accounts. If legal action is brought on delinquent accounts, the prevailing party shall be entitled to recover its reasonable attorney's fees and other costs of collection.

Our services are performed in accordance with the current standards of practice in the industry. No other warranty or representation, express or implied, is made or intended.

CLIENT SERVICES AGREEMENT

This AGREEMENT is made this 27th of January 2026, by and between City of Oceanside - Water Utilities Department its employees, officers, directors, affiliates, subsidiaries, and agents (CLIENT) at 300 North Coast Highway, Oceanside, California 92054 and ATLAS TECHNICAL CONSULTANTS LLC, its employees, officers, directors, affiliates, subsidiaries, and agents (ATLAS) at 9085 Aero Drive, Suite B, San Diego, California 92123.

Whereas, CLIENT intends to employ ATLAS to provide [type of work to be performed + project name/location + proposal number] (hereinafter referred to as "Services");

Whereas, ATLAS desires to contract with CLIENT and perform such Services and CLIENT desires to accept such Services;

Now, therefore, in consideration of the terms and conditions hereinafter set forth, the parties mutually agree as follows:

DESIGNATED REPRESENTATIVES Except as expressly specified otherwise in writing, the parties designate the following named individuals as their authorized representatives to provide approvals, directives, and permissions, including changes, and to receive notices or other communications under this agreement at the following addresses:

ATLAS: Chad Davis 9085 Aero Drive, Suite B, San Diego, California 92123

CLIENT: Robin Huber 300 North Coast Highway, Oceanside, California 92054

PROPOSAL NAME/NUMBER/DATE: Buccaneer Lift Station and La Salina Wastewater Treatment Plant Decommissioning Project / 23447 / January 27, 2026

1. **SERVICES TO BE PERFORMED** ATLAS shall perform the Services as described in the Proposal referenced above, which is attached hereto as Exhibit A and incorporated into this Agreement by reference. The Proposal describes the work to be performed (Services), the location (Site), fees and/or rates to be charged, certain special conditions of performance including equipment, sampling protocols, and necessary reimbursable expenses. ATLAS will be authorized to proceed with the Services, when CLIENT indicates its acceptance by signing this Agreement or, if not practical because of timing or other constraints, by e-mail to ATLAS. The Proposal, this Agreement and any attachments pertaining thereto shall comprise the Contract Document.

2. **ADDITIONAL SERVICES** If any additional or different Services are required to complete an existing Proposal, these additional Services shall be conveyed to CLIENT and approved by the CLIENT in writing.

3. **COMPENSATION** CLIENT will pay ATLAS for Services and expenses in accordance with the Proposal. ATLAS will make reasonable, good faith efforts to perform the Services and accomplish the objectives defined in this Agreement within any written cost estimate provided by ATLAS. CLIENT recognizes that unforeseen circumstances along with changes in scope and schedule can influence the completion of Services within the estimated costs. The use of an estimate of fees or a "not to exceed" limitation is ATLAS's professional judgment of costs, given the information that was provided but is not a guarantee that the Services will be completed for that amount. ATLAS will submit periodic invoices to CLIENT together with reasonable supporting documentation requested by CLIENT and a final bill upon completion of its services. Unless otherwise agreed in writing, there shall be no retainage. Payment is due within thirty (30) days of the invoice date regardless of whether CLIENT has been reimbursed by any other party. ATLAS reserves the right to assess a finance charge of 1.5% per month, calculated from the invoice due date, on any invoices not paid within thirty (30) days. ATLAS reserves the right to withhold reports until payment is received and may further suspend work and vacate the site if all undisputed payment amounts are not received within sixty (60) days after the invoice date. CLIENT will indemnify ATLAS for all claims concerning the suspension of work for nonpayment regardless of whether the claims are made by the CLIENT, someone claiming through the CLIENT, or by a third party. CLIENT agrees to pay ATLAS's attorney's fees, and all other costs incurred in collecting past due amounts.

If CLIENT objects in good faith to any portion of an invoice, CLIENT must so notify ATLAS within ten (10) days of the invoice date, identifying the cause of disagreement, and pay when due the portion of the invoice not in dispute. The parties will immediately make every effort to resolve the disputed portion of the invoice. Any dispute over invoiced amounts due which

cannot be resolved within fourteen (14) days by direct negotiation between the parties shall be resolved in accordance with the Dispute Resolution provisions of this Agreement. Payment thereafter will first be applied to accrued interest and then to the unpaid principal amount. Finance charges as stated above shall be paid by the CLIENT on all disputed invoice amounts that are subsequently resolved in ATLAS's favor, calculated on the unpaid balance from the due date of the invoice.

4. **PREVAILING WAGE** It shall be CLIENT's sole responsibility to notify ATLAS in writing of any prevailing wage requirements before any services are performed for the project. In the event notification is not given to ATLAS, CLIENT shall be fully responsible for payment of all fines, penalties, and/or damages imposed upon ATLAS.

5. **EXPENSES** Unless otherwise stated in the Proposal, CLIENT agrees to pay ATLAS for its reimbursable expenses, in addition to its fees. Reimbursable expenses are expenditures made by ATLAS in the interest of the contracted Services. Reimbursable expenses shall be billed, and paid, in accordance with the schedule included with the Proposal. ATLAS will submit a Change Order to CLIENT detailing other reimbursable expenses not outlined in the Proposal.

6. **INSURANCE** ATLAS agrees that it now carries, and will continue to carry during the performance of any Services under this Agreement, Workers' Compensation and Employer's Liability, Commercial General Liability (including Contractual Liability), Commercial Automobile Liability, Professional Liability and Contractor's Pollution Liability insurance coverage with limits at or above those described, as follows:

a. Workers' Compensation (statutory)	
Employer's Liability	
Each accident	$1,000,000
Disease – Each Employee	$1,000,000
Disease – Policy Limit	$1,000,000
b. Commercial General Liability	
Each Occurrence	$1,000,000
Personal and Advertising Injury	$1,000,000
General Aggregate	
Products and Completed	$2,000,000
Operations Aggregate	$2,000,000
c. Commercial Automobile Liability	
Combined Single Limit	$1,000,000
d. Errors and Omissions / Professional Liability	
Each Claim	$1,000,000
Annual Aggregate	$1,000,000
e. Contractor's Pollution Liability	
Each Claim	$1,000,000
Annual Aggregate	$1,000,000

7. **OBLIGATIONS OF CLIENT** CLIENT warrants that all information provided to ATLAS concerning the required Services is complete and accurate to the best of CLIENT's knowledge. CLIENT agrees to advise ATLAS prior to commencement of the Services, and during the work, of any hazardous conditions on or near the Site known to CLIENT. CLIENT understands that ATLAS is relying upon the completeness and accuracy of information supplied to it by CLIENT and ATLAS will not independently verify such information unless otherwise provided in the Service Order. CLIENT shall be solely responsible for and shall indemnify and hold harmless ATLAS for any costs, expenses or damages incurred by ATLAS due to CLIENT's failure to follow applicable reporting and governmental requirements. CLIENT will not hold ATLAS liable if ATLAS's recommendations are not followed and expressly waives any claim against ATLAS, and agrees to defend, indemnify and hold ATLAS harmless from any claim or liability for injury or loss that results from failure to properly implement ATLAS's recommendations.

8. **STANDARD OF CARE** ATLAS's Services as defined by the Proposal shall be performed in accordance with generally accepted industry principles and practices, consistent with a level of care and skill ordinarily practiced by members of the same profession currently providing similar services under similar circumstances at the time the Services were provided. No other representation nor a warranty of any kind, express or implied, is made or intended by ATLAS, its employees or agents, in connection with the Services provided under this Agreement. CLIENT agrees to give ATLAS written notice of any breach or default under this Section 8 within one (1) year of the completion of the Services and to provide ATLAS a

reasonable opportunity to cure such breach or default, without the payment of additional fees to ATLAS, as a condition precedent to any claim for damages.

9. LIMITATIONS OF METHOD RELIABILITY The CLIENT recognizes and agrees that all testing and remediation methods have inherent reliability limitations; no method or number of sampling locations can guarantee that a condition will be discovered within the performance of the Services as authorized by the CLIENT. The CLIENT further acknowledges and agrees that reliability of testing or remediation methods varies according to the sampling frequency and other variables and that these factors, including cost, have been considered in the CLIENT's selection of Services. ATLAS's observations and standardized sampling, inspection and testing procedures employed only represent conditions observed and activities only at the precise location and time where and when Services were performed at the time of the Site visit. CLIENT recognizes that conditions of materials and activities at other locations may vary from those measured or observed, and that conditions at one location and time do not necessarily indicate the conditions of apparently identical material(s) at other locations and times. ATLAS is not responsible for changes that may occur to the Site after ATLAS completes the Services.

10. CONTROL OF WORK AND JOB-SITE SAFETY ATLAS shall be responsible for its activities and that of its employees and subcontractors, and CLIENT acknowledges that ATLAS will not direct, supervise or control the work of other consultants and contractors or their subcontractors. Furthermore, ATLAS shall not guarantee or be responsible for health and safety, procedures, construction means, methods, techniques, sequences, or procedures, nor be responsible for the acts or omissions of contractors or other parties on the Site. ATLAS's testing, observation, or inspection of the work of other parties on a project, even if performed on a continuous basis, shall not relieve such parties of their responsibility to perform their work in accordance with applicable plans, specifications and safety requirements. Continuous monitoring by ATLAS's employees does not mean that ATLAS is observing or verifying all Site work or placement of all materials. CLIENT agrees that ATLAS will only make on-Site observations appropriate to the Services provided by ATLAS and will not relieve others of their responsibilities to perform the work.

11. TEST AND SAMPLING LOCATIONS Unless otherwise specified in the Proposal, the Services do not include surveying the Site or precisely identifying sampling, inspection or test locations, depths or elevations, and any sampling, inspection and test locations, depths and elevations will be based on field estimates and information furnished by CLIENT and its representatives. Unless stated otherwise in the report, the accuracy of any test or sampling locations and elevations will be commensurate only with approximate measurements or estimates. CLIENT should retain the services of a professional surveyor if greater accuracy is required. CLIENT will furnish a diagram indicating the accurate location of the Site. Sample locations may also be indicated on the diagram. ATLAS reserves the right to deviate a reasonable distance from the boring and sampling locations unless the CLIENT specifically revokes this right in writing at the time the diagram is supplied.

12. INTERPRETATION OF DATA ATLAS is responsible only for those data, interpretations, and recommendations regarding the actual materials and activities observed, sampled, inspected or tested, and shall not be responsible for the use or interpretation of ATLAS data by third parties, or the information developed by third parties from such data. CLIENT acknowledges that subsurface conditions may vary from those encountered at the locations where the borings, surveys, or explorations are made by ATLAS. CLIENT further recognizes that the data interpretations and recommendations of ATLAS's personnel are based solely on the information available to them, and that ATLAS may make certain inferences based upon the information derived from these observations, samples, inspections, or tests to formulate professional opinions regarding conditions in other areas.

13. THIRD PARTY INFORMATION ATLAS is dependent on information available from various governmental agencies and private database firms to aid in evaluating the history of the Site. ATLAS shall not be liable for any such agency's or database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

14. SITE ACCESS CLIENT grants or shall obtain for ATLAS a right of entry to all parts of the Site necessary to complete the requested Services and unless otherwise specified in the Proposal, it represents that it has obtained the applicable permits and licenses for the proposed Services. If CLIENT does not own the Site, CLIENT represents that it has or will obtain prior to the commencement of the Services, the authority and permission of the owner and/or the occupant of the Site. CLIENT acknowledges that due to the nature of some Services unavoidable damage may occur. CLIENT waives its right of recovery for such unavoidable damage, and if CLIENT is not the owner of the Site, CLIENT agrees to indemnify and defend ATLAS against any claims by the owner and/or occupant for any such damage.

Unless otherwise specified in the Proposal, ATLAS is not liable for damages caused by exploratory demolition or investigation to identify, quantify, or evaluate building materials, systems, and/or components not readily accessible to ATLAS during ATLAS's performance of the Services. ATLAS is not responsible for unforeseen conditions that exist on the Site within building systems that prohibit or deter ATLAS from gaining access to building materials, systems, and/or components.

15. ENGINEERING AND CONSTRUCTION SERVICES If the Services requested only require geotechnical engineering, subsurface exploration, construction materials testing, and/or engineering, ATLAS assumes that there are no hazardous substances or constituents in the soils or groundwater underlying the Site. ATLAS's duties and responsibilities are limited to performing tests and monitoring of specific construction activities as outlined in the Proposal. Unless otherwise specified in the Proposal, any consulting, testing or monitoring related to environmental conditions, including, but not limited to hazardous waste, soil or groundwater contamination, or air pollutants are not part of ATLAS's engineering and construction Services. If it becomes apparent during the field exploration that hazardous substances or constituents may be present, field operations will be terminated without liability.

16. OPINIONS OF COSTS ATLAS may, subject to the terms and limitations set forth in this Agreement, provide estimates relative to costs for remediation or construction as appropriate based on available data, designs, or recommendations. However, these opinions are intended to provide information on the range of costs and are not intended for reliance or use in firm budgeting or negotiation unless specifically agreed to in writing by ATLAS. CLIENT acknowledges that ATLAS's estimate may end up being substantially different than the ultimate cost, and CLIENT agrees it will not hold ATLAS liable for any variances between actual and estimated quantities, and further agrees to defend, indemnify and hold ATLAS harmless from any claim or liability for any such increased costs.

17. UTILITIES Unless otherwise specified in the Proposal, it is CLIENT's responsibility to mark or furnish the locations of all underground man-made obstructions at all Sites that the CLIENT owns and/or operates. CLIENT shall indemnify, defend and hold harmless ATLAS from and against any claims, losses or damages incurred or asserted against ATLAS related to the CLIENT's or a third party's failure to mark, protect or advise ATLAS of underground structures or utilities.

18. ROOF CUTS Unless otherwise specified in the Proposal, if roof cuts/samples are required by the Services, it is the CLIENT's responsibility to make appropriate repairs. If a roofing contractor or maintenance personnel selected by CLIENT is not on the roof to make repairs at the time samples are obtained, ATLAS may make temporary repairs, which may result in additional charges. ATLAS personnel are not certified in roofing repair, therefore under no circumstances, shall ATLAS be responsible for any water damage to the roofing system, building, or its contents resulting from ATLAS's temporary repairs.

19. SAMPLES AND EQUIPMENT Unless otherwise specified in the Proposal or required by law, ATLAS will not retain any samples obtained from the Site. At no time does ATLAS assume title to the samples; all samples shall remain the property of the CLIENT.

All laboratory and field equipment contaminated during ATLAS's Services that cannot be readily and adequately cleansed of its hazardous contaminants shall become the property and responsibility of CLIENT. CLIENT shall purchase all such equipment as an expense of the Services, and it shall be turned over to CLIENT for proper disposal unless otherwise specified in the Proposal.

20. HAZARDOUS CONDITIONS OR SUBSTANCES The CLIENT acknowledges that Services that include hazardous or toxic materials and/or investigations of chemicals involve inherent uncertainties, such as limitations on laboratory analytical methods and variations in subsurface conditions. Such uncertainties may adversely affect the results of the Services, even though the Services are performed with skill and care. CLIENT further acknowledges that ATLAS has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, substance or constituent at the Site. All Site generated hazardous and non-hazardous waste, including used disposable protective gear and equipment, are the property of the CLIENT.

CLIENT agrees to defend, indemnify and hold harmless ATLAS against all claims for injury or loss sustained by any party, including the United States, from exposure, release, or the presence of any such hazardous, radioactive, toxic, irritant, pollutant, substance or constituent at the Site. This indemnity includes but is not limited to, ATLAS acting as CLIENT's agent to sign waste manifests, allegations that ATLAS is a handler, generator, operator, treater or storer, transporter or disposer under any federal, state or local, law, regulation or ordinance, and CLIENT's or third party's violation of federal, state or

local, law, regulation or ordinance, related to the handling, storage, or disposal of hazardous substances or constituents at/or introduced to the Site, before or after the completion of the Services.

21. **RIGHT TO STOP WORK** If, during the performance of the Services, any unforeseen hazardous substance, material, element, constituent, condition, or occurrence is encountered which, in ATLAS 's reasonable judgment significantly affects or may affect the Services provided, the risk involved in providing the Services, or the recommended scope of Services, ATLAS may immediately suspend work.

22. **ATLAS AND CLIENT INDEMNIFICATION** To the fullest extent permitted by law, ATLAS shall indemnify and hold harmless CLIENT against claims, demands, and lawsuits to the extent arising out of or caused by the negligence or willful misconduct of ATLAS in connection with activities conducted in the performance of the Services.

To the fullest extent permitted by law, the CLIENT shall indemnify and hold harmless ATLAS, its affiliates, shareholders, directors, officers, employees and agents, from and against claims, demands, and lawsuits, to the extent arising out of or caused by CLIENT's breach of this Agreement or the negligence or willful misconduct of the CLIENT or other contractors retained by CLIENT in connection with activities conducted in the performance of the Services. CLIENT agrees that all indemnifications granted to ATLAS shall also be granted to those subcontractors retained by ATLAS for the performance of the Services.

23. **LIMIT OF LIABILITY** ATLAS 's total liability for all claims or causes of action of any kind, including but not limited to negligence, bodily injury or property damage, breach of contract or warranty, shall not exceed Fifty Thousand Dollars ($50,000) or ATLAS's total fee for the Services rendered under this Agreement, whichever is greater.

24. **CONSEQUENTIAL DAMAGES** In no event shall either party be liable to the other party for any consequential, incidental, punitive, liquidated or indirect damages, including but not limited to loss of income, loss of profits, loss or restriction of use of property, or any other business losses, regardless if such damages are caused by breach of contract, negligent act or omission, other wrongful act, or whether ATLAS shall be advised, shall have other reason to know, or in fact shall know of the possibility of such damages.

25. **WARRANTY** ATLAS is not a manufacturer. If any equipment is used or purchased by ATLAS for a Proposal the manufacturer's warranties if any on the equipment are solely those of the manufacturer. ATLAS makes no other representation, guarantee, or warranty, expressed or implied, in fact or by law, whether of merchantability, fitness for any particular purpose or otherwise, concerning any of the goods or Services which may be furnished by ATLAS to CLIENT.

26. **DOCUMENTS** Project-specific documents and data produced by ATLAS under this Agreement shall become the property of CLIENT upon completion of the Services and payment of amounts owed ATLAS. ATLAS shall have the right, but not the obligation, to retain copies of all such materials.

27. **RELIANCE** Documents and data (including reports) produced by ATLAS pursuant to this Agreement relate solely to the Services for which Atlas has been retained, and are not intended or represented by ATLAS to be suitable for use or reliance beyond the scope or purpose for which they were originally prepared. No third party may rely upon such documents and data without the prior written consent of Atlas. Any such unauthorized use or dissemination will be at the sole risk and expense of the CLIENT or such third party.

28. **CONFIDENTIALITY** ATLAS shall treat as confidential all business or technical information furnished by CLIENT which CLIENT identifies as being confidential in writing. ATLAS shall only utilize or disclose such Confidential Information for the purpose of providing the Services contemplated under this Agreement. ATLAS shall not otherwise disclose or permit access to Confidential Information to any third party without the consent of CLIENT. ATLAS's employees, officers, agents, and subcontractors shall also be bound to these same obligations. ATLAS's obligations under this Section shall not apply to Confidential Information that is: (i) already in the public domain; (ii) developed independently by ATLAS; (iii) received by ATLAS on a non-confidential basis from others who had a right to disclose such Confidential Information; or (iv) is required to be disclosed by law or applicable court order, but only after actual prior written notice has been received by CLIENT and CLIENT has had a reasonable opportunity to protect disclosure of such Confidential Information.

29. **THIRD-PARTY CLAIMS** CLIENT agrees to pay ATLAS 's costs (including reasonable attorney's fees) for defending ATLAS against any claims that a third party or a regulatory agency asserts against ATLAS related to the Services that were provided to CLIENT. Claims include legal actions by a third party or regulatory agency that are based upon the discoveries,

findings or conclusions disclosed in documents or reports supplied to CLIENT by ATLAS.

30. SUBPOENAS The CLIENT is responsible for payment of ATLAS's time and expenses resulting from ATLAS's response to subpoenas issued by any party, involving any legal or administrative proceeding in which ATLAS is not named as a party, in connection with any Services performed under this Agreement. Charges are based on fee schedules in effect at the time the subpoena is served. ATLAS shall not object on CLIENT's behalf to any subpoena, but will make reasonable efforts to cooperate with CLIENT if CLIENT chooses to object.

31. TERMINATION OF CONTRACT This Agreement may be terminated by either party upon seven (7) days written notice provided that any incomplete or unfinished Services will remain in effect until completed, unless otherwise agreed to in writing. In the event of termination or suspension, by the CLIENT, ATLAS shall be paid for Services performed prior to the termination date plus reasonable termination and suspension expenses.

32. ASSIGNMENT Neither the CLIENT nor ATLAS may assign, or transfer its benefits, rights, duties, or interest in this Agreement without the written consent of the other party. This Agreement shall be binding on and inure to the benefit of the successors and assigns of the parties.

33. FORCE MAJEURE Neither CLIENT nor ATLAS shall hold the other responsible for damages or delays in performance caused by uncontrollable events, which could not reasonably have been anticipated or prevented, including but not limited to, acts of God, the public enemy, acts or directives of the Government of the United States or of the several states, or any foreign country, or any of them acting in their sovereign capacity, materially different Site conditions, wars, riots, terrorism, rebellions, sabotage, fires, explosions, accidents, floods, strikes, epidemics, pandemics, viral outbreaks, or other conceded acts of workers, lockouts, or changes in laws, regulations, or ordinances.

34. NOTICES All notices given by either party to the other under this Agreement shall be in writing and may be delivered by: (i) regular mail, postage prepaid; (ii) certified or registered mail; (iii) facsimile; (iv) email; or (v) hand-delivery, to the parties at the addresses, facsimile numbers, and email addresses appearing on the first page of this Agreement , unless otherwise designated in writing. Notices sent by mail will be deemed to be received three (3) days after deposit in the mail, properly addressed. Notices sent by certified or registered mail will be deemed to be received upon the date of the acknowledgment. Notices sent by facsimile or email will be deemed to be received upon successful transmission to the proper facsimile number, provided that the sender can produce a facsimile transmission confirmation report, or upon transmission to the proper email address (with confirmation of transmission). Notices delivered by hand-delivery will be deemed to be received upon acceptance by the respective party or its agent.

35. DISPUTE RESOLUTION In any dispute arising out of or relating to this Agreement, or a breach thereof, the parties shall first make all good faith attempts to resolve any difference by businesslike negotiations. If the conflict is not settled through negotiation, it shall be submitted to nonbinding mediation unless otherwise mutually agreed to in writing. This mediation process shall be a condition precedent to either party pursuing arbitration, litigation, or some other dispute resolution procedure, and the parties agree that any such legal action taken without first submitting to dispute resolution in accordance herewith will not be ripe for adjudication. The costs of the mediation shall be equally shared by all involved parties.

36. GENERAL PROVISIONS The captions and headings throughout this Agreement are for convenience only and do not define, limit, modify, or add to the meaning of any provision of this Agreement. If any provision of this Agreement is in conflict with any provision of the Proposal, the terms and conditions of this Agreement shall prevail unless the conflict concerns the scope of Services to be provided. If any provision shall to any extent be deemed invalid, it shall be modified if possible to fulfill the intent of the parties as reflected in the original provision and the remainder of this Agreement shall not be affected.

This Contract Document represents the entire understanding between the parties and supersedes any and all prior contracts whether written or oral. Nothing contained in this Contract Document shall be construed to be for the benefit of any persons not a party to this Agreement. No third party beneficiary rights are created.

The validity, interpretation, and performance of this Agreement shall be governed by and construed in accordance with the laws of the state in which the Site is located. Any legal action arising out of this Agreement shall be venued in a court of competent jurisdiction within the state and county of the Site.

No waiver by either party of any default by the other party in the performance of any provision of this Agreement shall operate as or be construed as a waiver of any future default, whether like or different in character.
ATLAS is solely responsible for the performance of this Agreement, and no parent, subsidiary or affiliated company, or any of its directors, officers, employees, or agents shall have any legal responsibility whether in contract or tort, including negligence.

37. COUNTERPARTS; ELECTRONIC SIGNATURES This Agreement may be executed in two (2) or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. An executed copy of this Agreement that is delivered by facsimile, email or other electronic means will be deemed to have the same legal effect as delivery of an executed original copy of this Agreement. Electronic signatures shall be deemed original signatures for purposes of this Agreement, with such electronic signatures having the same legal effect as original signatures when affixed to this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the date first above written.

ATLAS TECHNICAL CONSULTANTS LLC:

BY: _____

PRINTED NAME: _____

TITLE: _____

DATE: _____

CLIENT:
(Person authorized to execute contracts)

BY: _____

PRINTED NAME: _____

TITLE: _____

DATE: _____

EXHIBIT "A"

PROPOSAL

A detailed proposal needs to be attached to the Agreement as Exhibit "A"

Project No.
P30462.000.001

January 22, 2026

Ms. Robin Huber
Associate Engineer
Water Utilities Department
300 N. Coast Highway
Oceanside, CA 92054

Subject: Buccaneer Lift Station
Oceanside, California

PROPOSAL FOR GEOTECHNICAL SERVICES

Dear Ms. Huber:

We are pleased to present this proposal to provide geotechnical services for the Buccaneer Lift Station at the La Salina Wastewater Treatment Plant in Oceanside, California. For our use, we were provided previous geotechnical information which included the previous lift station geotechnical report, groundwater sampling, and percolation testing. In addition, we received a site plan showing the proposed location of the lift station, and GIS map of the existing underground infrastructure and request for scope of work letter. From review of the provided documents, we understand the City of Oceanside is proceeding with decommissioning the La Salina Wastewater Treatment Plant and is implementing an infrastructure plan to convey wastewater to the San Luis Rey Wastewater Treatment Plant. For this improvement, a deeper wet well and associated tanks will be constructed with additional needs for supplemental geotechnical data and groundwater testing. We understand specific issues include constructability and groundwater dewatering during construction of the wet well structure, along with geotechnical recommendations for design of the proposed storage tank.

SITE BACKGROUND

We briefly reviewed existing geotechnical information collected at the site to understand preliminary geologic conditions at the site. From our review, we understand the site is located in a thick deposit of young alluvial soil (lagoonal/estuarine deposit) consisting primarily of clay with interbedded layers of sand. Below these younger materials, the Santiago Formation, which consists of sandstone with some clay and silt fines, was encountered to the total depth explored at the site. Near the site are also sensitive structures such as existing utilities and the nearby railway immediately to the east of the site. We anticipate dewatering and construction of the wet well structure to be feasible provided careful engineering is implemented to limit local impacts of dewatering and excavation deformation at the site. Given the existing geologic conditions, we expect various shoring systems and dewatering options are possible, such as a secant shoring system with internal dewatering at the base of the excavation within the Santiago Formation or a fully dewatered condition with a more traditional pile/lagging with internal bracing shoring system.

ENGEO

We have significant expertise and have extensive experience in well design and dewatering modeling and excavation engineering. For this project, James Thurber, PG, CEG, CHG will be principal in charge who has over 40 years of hydrogeologic experience and well experience in the southern California region. Taylor Strack, PE, GE will be in the engineering lead with 12 years engineering experience who has significant experience in shoring designs, tunnelling, and treatment facilities.

Select example projects that exemplify suited experience relative to the subject site are provided below.

- LA Metro's Purple Line Extension Section 3 Stations Project—Los Angeles
- Penitencia WTP (PWTP)—San Jose, CA
- City of Oceanside (On-Call) North River Road and Sleeping Indian Road Storm Drain Outfall Improvements—Oceanside, CA
- City of Lathrop Well 21 Facility—Lathrop, CA
- City of Hayward Wastewater Treatment Plant Digester Dewatering Analysis—Hayward, CA
- Hydrogeologic Services, Four Injection Wells, Mid-Basin Project—Orange County, CA
- Hydrogeologic Services, Nested Monitoring Wells, Mid-Basin Project—Orange County, CA
- Sunset Gap Monitoring Well Project—Seal Beach, CA

Task 1 – Pre-Exploration Activities (Workplan, Permitting, and Utility Clearance)

Prior to commencing our subsurface exploration services, we will provide the following.

- Prepare a drilling program plan describing proposed field exploration activities. The drilling program plan will include, but not be limited to, proposed methods of drilling and sampling, subcontractor summary information, health and safety during work, and details on converting the geotechnical test borings to one monitoring well (for pump testing) and one observation well (for monitoring).
- Review existing geotechnical documents to support preliminary well design.
- Obtain a geotechnical drilling permit and well construction permit from San Diego County in general accordance with the Department of Water Resources Well Standards Bulletin.
- Retain the services of a private utility locator to mark private utilities that they are able to identify. Note we assume the Water Utilities Department will provide improvement plans and additional detailed documentation of existing infrastructure.
- Notify Underground Service Alert (USA) at least 72 hours prior to performing our subsurface exploration

Task 2 –Geotechnical Exploration and Monitoring Well Installation

Subsurface Exploration

To characterize subsurface soil and obtain hydrogeological information, we propose to drill two geotechnical borings to approximately 80 feet and collect drive samples at intervals of approximately 5 feet. Following completion of the boring exploration we plan to convert the geotechnical borings into one monitoring or observation well and one testing well for pump testing and groundwater sampling. The explorations and wells will be located near the planned wet well structure footprint and 50 feet away for measure groundwater response during the pumping test. Per Task 1, we will prepare an exploration plan detailing the subsurface exploration, well construction, and sequencing.

TABLE 1: Proposed Exploration Program

EXPLORATION SCOPE AND PURPOSE	
Borings	
Two borings **80 feet deep**	The borings will collect geotechnical data for characterization of soil that underlies the site. We will use samples collected from the test borings for laboratory testing of soil properties. An engineer or geologist from our firm will observe the drilling and log the subsurface conditions encountered at exploration locations. We will collect soil samples at frequent depth intervals for visual classification. We will collect soil samples using split-spoon and or modified California, and possibly Shelby Tube samplers depending on material encountered during drilling. Drilling Waste We will containerize the spoils from the exploratory borings in 55-gallon drums and temporarily store them at a designated location on site. Our fee assumes the material will be classified (based on the results of analytical testing) and disposed of as Class II non-hazardous material; should material disposal costs be greater than assumed, we will discuss with you prior to offhaul.
Two wells **80 feet deep**	Following completion of the geotechnical borings, we will design the monitoring (pumping) well and nested observation well based on borehole specific geology. The monitoring well and observation wells will be used to complete an aquifer test and collect groundwater information for dewatering analysis. The piezometers will be constructed within the borehole by reaming the borehole to a minimum diameter of 8 inches, then installing 4-inch-diameter PVC screen and solid PVC casings (schedule 40) in the zones of interest. The annular space will be filled with clean filter pack sand bentonite plug, and cement seal to the ground surface with a well cap structure per San Diego County well standards. We will furnish and install a minimum of two 2-inch-diameter nested PVC piezometer casings (potentially up to three depending on subsurface conditions) to selectively target the Santiago formation and the alluvial deposits for monitoring during the pumping test. We will also measure water level response in the existing LG-1 monitoring well. We will measure groundwater levels in the pumping well and piezometers continuously with pressure transducer and dataloggers and manually with electric sounders during the pumping test. We will compile the data for use in groundwater characterization and for use in dewatering design. Drilling Waste Drilling cuttings and heavy fluids will be containerized in 55-gallon drums and temporarily stored at a designated location on site. Our fee assumes the material will be classified (based on the results of analytical testing) and disposed of as Class II non-hazardous material; should material disposal costs be greater than assumed, we will discuss with you prior to offhaul.

Given the conditions at the site, a well size of 4 inches in a minimum 8-inch-diameter bore hole is suggested to allow for sufficient pumping capacity to adequately test aquifer yield of the underlying Santiago and finer alluvial materials. The drilling subcontractor and our experienced geologist will perform and monitor well development by both mechanical and pumping methods. Thorough and complete development of each well screen is critical to achieve maximum yield, efficiency, sand-free pumping, and representative water level response during the pumping tests. Well development will require bailing, double-swab air lifting, and pumping. Swabbing in clay dispersant and/or chlorine to remove thick filter cake may be recommended based on early airlift development results. We recommend that well development starts promptly after the final sanitary seal is placed. Well development water will be placed in temporary storage tanks to allow the settlement of fine sediment to achieve clear water for discharge to the on-site WWTP facility.

Task 3 –Laboratory Testing

We will transport soil samples collected from the field exploration to our in-house laboratory. We will perform laboratory testing to evaluate engineering characteristics of the soil and refuse material. Laboratory testing may include the following.

- Unit Weight
- Moisture Content
- Plasticity Index
- Gradation
- Unconsolidated, Undrained Isotropic Triaxial Compression
- Consolidation Testing

Testing will be performed on selected samples to understand their engineering and hydraulic properties as it relates to shoring, wet well structure and dewatering designs and constructability. The drilling contractor will be responsible for the testing and disposal of drill cuttings. A review of the State of California, GeoTracker website did not indicate the existence of contaminated soil or open cases on or adjacent to the project site.

Task 4 – Hydraulic Calculations and Groundwater Analysis

Using collected geotechnical and laboratory test data, and existing information available to us, combined with the pumping test data (described in Task 6), we will prepare geologic cross sections and use collected information to assign geotechnical parameters for design along with aquifer hydraulic conductivity and transmissivity for an estimate of dewatering rates. Estimated parameters for each geologic layer will be illustrated on the cross section and preliminary analytical results will be included for early estimation of dewatering volumes. We will include results of our analysis in Task 5.

OPTIONAL TASK: To quantify the volume that may be encountered during construction, we propose an optional task to prepare a MODFLOW finite difference model to understand groundwater and dewatering flow estimates and lateral affects at the site. This task may be used to understand potential shoring design systems and dewatering from a feasibility perspective.

Task 5 –Geotechnical Report for Lift Station Structure

We will analyze and summarize the subsurface conditions and laboratory test results for inclusion in our geotechnical report as shown below.

1. Earthwork
   - Site clearing and original ground preparation
   - Treatment of over-optimum soil moisture conditions
   - Acceptable on-site and imported fill materials
   - Subgrade and fill compaction requirements
   - Utility trench backfill compaction
2. Evaluation and mitigation of Geologic Hazards including expansive soil, soft soil, loose and liquefiable soil
3. Seismic Design Parameters
4. Pump House, Tank and Wet Well Foundations
   - Foundation Type
   - Minimum dimensions
   - Maximum allowable soil bearing capacity
   - Allowable lateral passive earth pressures and coefficient of sliding friction
   - Estimated total and differential foundation settlement
5. Concrete Slabs-on-Grade
   - Minimum design thickness
   - Slab moisture vapor reduction
6. Shoring Design Recommendations
   - Earth pressures
   - Surcharge loading from adjacent structures
   - Recommendations for type selection
   - Construction considerations
7. Groundwater and Dewatering
   - Geologic cross sections
   - Groundwater conditions
   - Estimated settlement from dewatering
   - Aquifer hydraulic parameters
   - Groundwater flow modeling results (Task 4)
   - Pump test results (Task 6)

The geotechnical report for the wet well will be signed by a licensed Engineering Geologist and Geotechnical Engineer. The report will also include figures showing exploration locations and subsurface log information and testing.

Task 6 – Pump Testing for Dewatering Analysis

Following completion of the test-well construction and well development, we will install pressure transducers and dataloggers within the test well and observation wells for use during the aquifer testing. The tests will be performed on the pumping-well using an approximately 50-gallon per minute pump to assess aquifer parameters and assist in dewatering design and planning. We will

perform up to 24 hours of constant rate pumping for adequate understanding of groundwater drawdown and recovery. We assume that the water can be directly discharged into the WWTP facility, and that a tank will not be required for temporary water storage, and will discuss disposal with the plant operator We will also conduct slug tests in the shallow observation well (piezometers). A short duration pumping test may be performed in the 4-inch-diameter existing monitoring well LG-1 to confirm aquifer parameters in the upper aquifer.

The aquifer test results will be included in the geotechnical report (Task 5) summarizing the drilling, well construction, development, and testing of the pumping wells. The report will include lithologic logs, as-built well completion schematics, and well development records. We will provide analysis of the local hydrogeologic conditions including aquifer and aquitards within and below the proposed construction dewatering interval and provide a statement to local effects of the tidal influence from the Pacific Ocean and potential connectivity if encountered. The pump test and analysis will be provided to estimate transmissivity, hydraulic conductivity, and storage. We will also outline recommendations for dewatering well borehole and casing depth, pump depth setting, and pumping rate.

FEE

We propose to provide the services outlined above, for a fee as outlined below.

TASK OF WORK	EST. SUB-CONSULTANT COST	FEE ESTIMATE
Task 1: Pre-Exploration Activities		**$13,000**
Exploration and Well Plan		$4,500
County of San Diego Permitting		$2,000
Underground Utility Clearance and Private Locating	$2,000	$4,500
Document Review		$2,000
Task 2: Geotechnical Exploration and Monitoring Well Installation		**$163,700**
Geotechnical Exploration and Well Construction	$88,800	$106,300
Well Development	$30,500	$39,200
Drum testing and removal	$18,200	$18,200
Task 3: Laboratory Testing		**$8,000**
Task 4: Hydraulic Calculations and Groundwater Analysis		**$6,000**
Task 5: Geotechnical Report for Wet Well Structure		**$20,000**
Task 6: Pump Testing for Dewatering Analysis		**$38,800**
Pump Testing	$25,000	$33,800
Data review and engineering		$5,000
TOTAL		**$249,500**

For the OPTIONAL task of MODFLOW modeling we suggest an additional budget of $10,000 to be billed on a time-and-expense basis to support feasibility of excavation for the lift station.

Our proposal utilizes the following assumptions and exclusions.

- We anticipate that the area is clear of obstructions and that our geotechnical explorations and well construction will be performed in 2026 during regular business working hours: Monday through Friday, between the hours of 7:00 AM and 5:00 PM. Should we need to perform our explorations outside of these hours, please let us know and we can prepare a revised fee estimate for your review.
- The above scope of services assumes prevailing wage rates which do not include specific labor agreements or union requirements.
- Drummed spoils generated from the drilled borings may remain on site for up to 5 weeks; we will work with you and stakeholders at the site to select an acceptable temporary storage location.

SCHEDULE

We anticipate completion of our geotechnical scope of work (Tasks 1 to 6) will be approximately 2 to 3 weeks following completion of Task 6 which is subject to contractor availability. We will work directly with you providing project schedule and as needed updates.

LIMITATIONS AND AUTHORIZATION

ENGEO's liability for damage due to professional negligence, acts, errors, omissions, breach of contract and consequential damages will be limited by Client to an amount not to exceed an aggregate limit of one million dollars or ENGEO's fee, whichever is greater, regardless of the legal theory under which such liability is imposed.

If you agree with the scope of services and fee outlined in this proposal, please issue a new task order in accordance with the previously agreed upon PSA. Our services will commence upon receipt of a fully executed agreement for this scope.

We thank you for considering our firm for your important project. If you have any questions on any portion of the scope of services, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

Taylor Strack, PE, GE
Associate

James Thurber, PG, CEG, CHG
Principal

ts/jt/ca