



Solutions for Success



May 3, 2024

Coachella Valley Water District
Clean Water State Revolving Fund (CWSRF) Loan and Grant
Compliance Services for Marriott Shadow Ridge, Low Pressure and
Emerald Desert NPW Pipeline Projects

Submitted via email



PURPOSE | COLLABORATION | VISION



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May 3, 2024

Jignesh Ladhawala, Senior Engineer
Coachella Valley Water District (CVWD)
P.O. Box 1058
Coachella, CA 92236
Via e-mail: jladhawala@cvwd.org

RE: CLEAN WATER STATE REVOLVING FUND (CWSRF) LOAN AND GRANT COMPLIANCE SERVICES FOR MARIOT SHADOW RIDGE, LOW PRESSURE AND EMERALD DESERT NPW PIPELINE PROJECTS

Dear Mr. Ladhawala,

Vanir Construction Management, Inc. (Vanir) appreciates the opportunity to submit this proposal to assist the Coachella Valley Water District (CVWD) in providing construction grant administration support services for the State Water Resources Control Board (SWRCB) Clean Water State Revolving Fund (CWSRF) loan and grant program. We have been and are currently assisting CVWD with various CWSRF funding and engineering construction projects including preparation of monthly reporting documents, quarterly progress reports, labor compliance, AIS verifications, environmental permit compliance and CWSRF reimbursement form preparation.

Vanir recognizes the importance of having a qualified consultant firm available to the District, and in response, we seek to place our best personnel to support your project needs. Our proposed staff reside in close proximity to the District's headquarters and project sites, and understands the stakeholders involved and the level of engagement required for successful project execution.

By selecting Vanir, CVWD will retain a trusted partner characterized by excellent qualifications in all technical areas, the ability to carry projects through to completion and a proven track record of delivering services with uncompromising quality. We value our relationship with CVWD and appreciate this opportunity to offer our construction grant administration services. Should you have any questions regarding this proposal or require further clarification or information, please contact Carolina Madera, your main point-of-contact, by phone or email below.

Sincerely,

Vanir Construction Management, Inc.

A blue ink signature of Jerry Avalos, consisting of a stylized 'J' and 'A'.

Jerry Avalos, President
E: jerry.avalos@vanir.com | T: 916-575-8888

A black ink signature of Carolina Madera, consisting of a stylized 'C' and 'M'.

Carolina Madera, CMIT, Project Director
E: carolina.madera@vanir.com | T: 818-641-4673



GENERAL INFORMATION

Statement of Qualifications

The Vanir Team is experienced in State funded projects compliance for entities such as the SWRCB under the Budget Act of 2021; and the Department of Water Resources (DWR) under the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) and the Budget Act of 2021. We are currently providing grant compliance to the CVWD for their project funded under the United States Environmental Protection Agency (EPA) under CWSRF and FEMA's Public Assistance (PA) Program, including assisting the district in navigating through recent changes under the Sandy Improvements Act of 2013 (SRIA), the Disaster Recovery Reform Act of 2018 (DRRA) and ongoing changes to the Code of Federal Regulations (2 CFR 200).

VANIR STATS

91%+

Repeat Clients

\$1.1+ Billion in
Water/Wastewater
Value

250+ Water/
Wastewater Projects

70+ Water/
Wastewater Clients

PRIMARY CONTACT

Carolina Madera, CMIT, **Project Director**
E: carolina.madera@vanir.com | T: 818-641-4673

UNDERSTANDING CVWD

The Vanir team has worked seamlessly with CVWD since 2018, delivering value over eight separate projects with support ranging from the Critical Support Services Building project, maximizing the utilization of alternative funding sources to assisting in the multi-phase efforts to replace the water system piping and infrastructure for the Sun City community.

IN-HOUSE RESOURCES

We have the in-house capabilities to assist in providing project-related procurement services, document controls, reporting and general guidance related to adhering to state and federal laws, regulations, executive orders and other agency requirements.



About Vanir

With a legacy spanning 60 years, Vanir has established itself as a national leader in program, project and construction management (PMCM) and real estate development. Ranked as a top PMCM firm by Engineering News-Record for more than three decades, our award-winning team has delivered \$30.8 billion in construction value to hundreds of clients nationwide.

As a minority- and woman-owned firm, we take pride in serving a diverse array of market sectors, including education (K-12 and higher); healthcare; justice and essential services; state and local government; science and technology; transportation; water and wastewater; energy; and commercial, residential and nonprofit. We currently have offices in Arizona, California, Colorado, Illinois, Louisiana, Texas and Washington.

Vanir Construction Management, Inc., the proposing organization, was established in 1980 as a subsidiary of Vanir.

Vanir is committed to delivering practical, innovative, cost-effective program, project and construction management solutions for water/wastewater capture, treatment, transmission, distribution, recycling and reuse and groundwater management. We are proud to say that we have worked on some of the nation's largest and most complex water/wastewater construction projects.

Our portfolio of water projects include:



**WATER STORAGE
& TREATMENT
FACILITIES**



**WASTEWATER
TREATMENT
FACILITIES**



**PIPELINES
& TUNNELS**



**PUMP
STATIONS**



**BUILDINGS
& FACILITIES**



PROJECT TEAM QUALIFICATIONS

Vanir Team Qualifications

We understand the detailed supporting documentation required when analyzing costs and scopes of work for grant awards. We have significant experience in challenging inaccurate eligibility determinations due to missing scope, re-evaluating low-cost estimates and identifying missing elements of codes and standards upgrades. **Our systematic approach to auditing projects has resulted in increased funding opportunities and maximized benefits for our clients.**

Recent administrative grant management success stories include:

- Vanir was selected to provide concurrent construction grant administration services for the FY 2020-2021 Non-Potable Water (NPW) Off-Site Pipeline Project, the FY 2017-2018 NPW Pipeline Connection Project and WRP 10 T1 Pump Station Replacement and T2 Pump Station Modifications Project. These projects allow for the expansion of the low pressure and high pressure NPW delivery system. The Phase 1 projects are funded by the CWSRF loan.
- Vanir was selected to provide full construction management services for the Highway 86 Transmission Main Extension, Phase 2, and Booster Station 08886 Project for CVWD. The project consists of installing over 35,000 linear feet of 30- inch diameter water main pipe, including all related appurtenances, replacement of all existing irrigation laterals, storm drain pipelines, and the construction of Booster Station 08886 midway point of the pipeline. This project is 100% funded under California Department of Drinking Water State Revolving Funds (SRF). Vanir's team, in addition to providing full construction and project management support for this project, created and implemented project controls using a web-based industry standard system, PMWeb. The team automated the reporting of all project financials to meet the requirements of the SRF program.
- Vanir has served the Los Angeles Unified School District (LAUSD) continuously for over 30 years, helping manage bond programs totaling more than \$22 billion. Our project and construction management services have consistently improved quality, advanced project schedules and reduced costs on many complex phased projects occurring at fully occupied schools. Currently, we are managing design, construction, sustainability, commissioning and Prop. 39 projects for the latest Measure Q Bond Program.
- Vanir has assisted Dillard in the administration of its FEMA Public Assistance Grant Management and Project Management Programs since 2011. This includes managing over 200 project worksheets representing over \$70M in recovery costs, inclusive of version requests, alternate and improved projects, reimbursement requests, direct administrative costs/close-out incentive, bid and procurement and the University's \$20M insurance apportionment reconciliation. We are currently assisting the University with claim documentation and packaging in preparation for submission to FEMA's Grants Portal under the COVID-19 Streamlined Process.



About The Vanir Team

Carolina Madera will serve as the Project Director for this effort to assist in as-needed support for our Construction Manager, Anthony Diaz. Anthony will be responsible for day-to-day project grant compliance activities, along with communication between CVWD and the contractor for the identified scope of services. Anthony brings over 24 years of expertise in civil engineering design and construction, cultivated through roles as a project engineer with general contractors. Proficient in CVWD procedures he grasps the intricacies of coordination essential for project success. Currently, he is managing grant compliance reporting for FY2020-21 NPW Off-Site Pipeline Connection Project, FY17-18 NPW Pipeline Connection Project, T1 Pump Station Replacement Project, Avenue 66 Transmission Water (Phase 1B, Phase 2 and Lincoln Street Water Main) Project and contributing to the North Indio Flood Control Phase II Project.

ORGANIZATION CHART



MARRIOTT SHADOW RIDGE LOAN AND GRANT COMPLIANCE SERVICES

CAROLINA MADERA, CMIT
Project Director

ANTHONY DIAZ, EIT
Construction Manager



CAROLINA MADERA, CMIT | **VANIR**

Project Director

Summary of Qualifications

Carolina Madera is a construction professional with over 18 years of experience in program, project and construction management with an emphasis in the education market sector. She combines budgeting, planning, scheduling and project execution knowledge with grant and proposal writing to bring positive outcomes for state and local agencies. She uses her advanced problem-solving skills, solid verbal and written communication skills and a clear understanding of program and project management tools to guide projects within budget and schedule.

Education

Bachelor of Science,
Business Administration
and Finance, California State
University, Northridge

Bachelor of Science,
Industrial Engineering,
Pontificia Universidad
Javeriana, Bogota, Colombia

Certifications

CMAA, Construction
Manager-in-Training (CMIT)

Affiliations

Construction Management
Association of America
(CMAA)

US Green Building Council
(USBGC)

Design-Build Institute of
America (DBIA)

Lean Construction Institute
(LCI)

Project Experience

Los Angeles Unified School District (LAUSD), School Facilities Program (SFP) and Drought Response Outreach Program for Schools (DROPS), Los Angeles, CA. Grant Manager/Project Manager. For 12 years, Carolina administered three state and federal grant programs totaling over \$600 million by the Facilities Legislation, Grants & Funding Division of LAUSD. These funds included State-funded portion of construction funding from: Proposition 47, Proposition 55, Proposition 1-D and Proposition 51. The State Allocation Board (SAB) allocated over \$1 billion to LAUSD, administered through the School Facilities Program (SFP). Administered the Water Resource Control Board funds for \$1 million through Proposition 94, Municipalities funding focused on constructing bio swells and water control measures at school sites. Carolina also administered \$5 million for the DROPS Programs (Drought, Resource Outreach Program for schools). In addition, federal FEMA funding included FEMA grants from the Northridge earthquake and subsequent earthquakes and flood control funds. As Grant Manager, Carolina was responsible for researching, managing, submitting and reporting on grant projects assuring grant compliance and requirements are met and maintained throughout the life of the grant through closeout. Grant administration services completed in 2022.

- Managed accounts' allocations and funding for over 500 projects to meet budgeting needs and reconciliation of all state apportionments
- Forecasted, analyze and prepare reports including historical state apportionments and fund releases, program status updates and district-wide eligibility
- Monitored fiscal controls and cost management through extensive QC to include cost estimate, contracts' bid/award and change orders verification
- Forecasted and analyzed expenditures and commitments for hundreds of projects.

Continued

Carolina Madera, CMT
Project Director

- Implemented a strategy to identify new funding opportunities for all grants
- Created training manuals for grant applications and comprehensive controls
- Collaborated closely with other departments to ensure accurate accounting reporting and audit inquiries Coordinate the review, update and revision of design drawings to meet the scope of work and submission requirements by the state/feds
- Liaison between program managers, design and construction manager and project execution, for all state match projects to include task order assignments, construction and JOC contract requirements, CEQA certifications, Design and Specification submittals and DSA submittal coordination

Los Angeles Unified School District, ADA Barrier Removal Program, Los Angeles, CA. Facilities Services Analyst, \$500,000 to \$1.2 million, 5,000+ SF, Design-Bid-Build, Job Order Contracting, B-Letters. Removal consisted of the completion of over 65 construction projects. Responsibilities included managing the Assistive Listening System program, developing scopes, managing B-letter contracts and installation procurement, advertising, bid and award, project schedules, budgets and program closeout. Additionally, managed all communications between the facilities department, school offices, task order architects, contractors, other departments and stakeholders. Achieved 25% completion in the first four months of managing the program. This project completed in 2019.

LA Metro, Union Station Gateway (USG) Engineering Management Services Program, Los Angeles, CA. Construction Manager, Design-Build/Design-Bid-Build. USG Headquarters Building is a 27-story which operates continuously, 24/7. Program includes providing architectural and engineering design support services, project management and CM services for various capital improvement projects. Responsibilities included assisting in the supervision and management of construction, commissioning and closeout activities; document control of all project documents, including submittals, RFIs, change orders, meeting minutes, payment applications and schedule updates, drawings and specifications review to ensure project execution and compliance and management and coordination of inspection and close-out activities, including punch lists, training and all required close-out documentation including O&M manuals, warranties and record drawings.

LA Metro, Central Chiller Plant and Energy Management Replacement Project.

Construction Manager, \$12.4 million, Design-Bid-Build. The project replaced five chillers and all control cabinets, conduit, wiring and HVAC control valves for a 27-story, in operation 24/7. This project completed in 2021.

LA Metro, Fire Pump Equipment Replacement Project. Construction Manager, \$4.1 million, Design-Build. The project included replacing one electric and four diesel fire pumps, controls and associated annunciators at the fire control center for a 27-story, in operation 24/7. This project completed in 2021.



ANTHONY DIAZ, EIT | **VANIR**

Construction Manager

Summary of Qualifications

Anthony Diaz has 24 years of experience in the construction industry focusing on project/construction management and inspection. He has worked with various engineering construction companies on multi-million-dollar construction contracts with large public sector entities such as California Department of Transportation (CalTrans), Orange County Transportation Authority (OCTA) and City of Anaheim. He has also worked for Coachella Valley Water District (CVWD) on water/wastewater pipeline infrastructure projects and multiple public work departments for Cathedral City, Desert Hot Springs, Indian Wells, La Quinta, Palm Desert and Palm Springs in the County of Riverside. His construction management and inspection skills show a deep understanding of the public contract code, ordinances and procedures. He has applied that knowledge to the preparation of bid packages, reports, cost estimates, schedules, RFIs, progress payments, inspection and quality control on a wide variety of water facilities, pipelines, pump stations and buildings.

Education

Bachelor of Science, Civil Engineering, California State University, Long Beach

Bachelor of Arts, Social Science with emphasis in Psychology, University of California, Irvine

Professional License

Engineer-in-Training (EIT), CA #XE095170

Certifications

OSHA 30-Hour

Construction Safety, Confined Space Entry, Fall Protection Competent Person

Project Experience

Coachella Valley Water District (CVWD), Grant Support NPW Off-Site Pipeline Project, Palm Desert, CA. Construction Manager/Quality Inspector, \$20.3 million, Design-Bid-Build. The construction of this project consists of furnishing and installing Class 250 and Class 350 zinc coated ductile iron pipes in varying sizes with V-BIO polyethylene encasement, including valves, fittings, restrained joints, surface restoration and all necessary appurtenances complete and in place; installing concrete vaults, valves, fittings, Cla-Val Electronic Control Valve, and appurtenances, and equipment; including all paved vehicular access, appurtenances and concrete pads; and performing startup and testing of all equipment and components. The project will supply approximately 5,200 acre-feet per year of NPW for irrigation purposes in the Cities of La Quinta, Palm Desert, Rancho Mirage, and the unincorporated areas in the County of Riverside. This project is currently ongoing with estimated completion in January 2025.

Coachella Valley Water District (CVWD), Highway 86 Transmission Main, Phase 2 and Booster Station 08886, Palm Desert, CA. Quality Inspector, \$25 million, Design-Bid-Build. Anthony's skills in managing interdisciplinary teams were of critical importance for the pipeline and booster pump station construction. The Highway 86 transmission main extended over seven miles in length and its alignment intercepted numerous irrigation system lines and storage reservoirs operated by local farmers. Anthony managed the public outreach and coordination with the farming community enabling construction to proceed without disruption or acrimonious incidents. Further, Anthony was pivotal in coordinating all field services to achieve the critical milestone of replacing irrigation tie-ins for 11 irrigation lines under a single shutdown event in irrigation supply by CVWD. This project completed in 2020.

Continued

Anthony Diaz, EIT
Construction Manager

Coachella Valley Water District (CVWD), Sun City Phase 1 Pipeline Replacement Project, Palm Desert, CA. Construction Manager/Quality Inspector, \$9.5 million, Design-Bid-Build.

Anthony served as the field construction manager/inspector for this first phase of construction in replacing 30,000 linear feet of water pipelines connecting to existing well sites throughout the Sun City community. Due to aggressive soils, a higher than tolerable rate of pipeline failures occurred throughout the community. Anthony's skill in interacting with stakeholders and his collaborative approach was key to this role. He was on-site routinely throughout the project to ensure that resident expectations during construction were met. This project completed in 2021.

Coachella Valley Water District (CVWD), Highway 86 Transmission Main, Phase 2 and Booster Station 08886, Palm Desert, CA. Quality Inspector, \$25 million, Design-Bid-Build.

Anthony's skills in managing interdisciplinary teams were of critical importance for the pipeline and booster pump station construction. The Highway 86 transmission main extended over seven miles in length and its alignment intercepted numerous irrigation system lines and storage reservoirs operated by local farmers. Anthony managed the public outreach and coordination with the farming community enabling construction to proceed without disruption or acrimonious incidents. Further, Anthony was pivotal in coordinating all field services to achieve the critical milestone of replacing irrigation tie-ins for 11 irrigation lines under a single shutdown event in irrigation supply by CVWD. This project is ongoing, estimated completion 2024.

Coachella Valley Water District (CVWD), Grant Support T1 Pump Station, Palm Desert, CA.

Construction Manager/Quality Inspector, \$15.5 million, Design-Bid-Build. The T1 Pump Station Replacement and T2 Pump Station Modifications Project will allow for the expansion of low-pressure high-pressure non-potable water (NPW) delivery systems. The replacement T1 Pump Station will have adequate capacity to expand the NPW service to an additional eight customers on the low-pressure system and an additional nine customers on the high-pressure system. This project is ongoing, estimated completion 2024. The objectives of the project include:

- Demolishing and replacing the aging, out-of-service T-1 Pump Station constructed in 1984 that supplied a firm flow capacity of 9,600 gallons per minute (gpm) with a new T-1 Pump Station with a firm flow capacity of 24,750 gpm
- Increasing on-site storage capacity of recycled water from 5 million gallons (MG) to 10 MG by constructing an additional 5 MG storage basin
- Installing new flow meters and power meters on the existing T2 Pump Station and completing associated programming to meet energy optimization objectives of T1 and T2 pump stations
- Designing and constructing new concrete vaults, valve and meter connections on the low-pressure system required for the maintenance of adequate system pressure for future expansion along Frank Sinatra Drive and within Mission Hills Country Club and Westin Mission Hills



UNDERSTANDING AND APPROACH

Understanding the Project and Approach for Performing the Required Services

“

Since 2018, Vanir has dedicated an enthusiastic project team to provide CM services and support to CVWD's buildings and drinking water infrastructure projects.

I recommend Vanir for any construction management projects that you may be considering.

- Dan Ruiz, PE
Engineering Manager
Coachella Valley Water
District

”

PROJECT UNDERSTANDING

CVWD delivers water for domestic consumption, landscape and agricultural irrigation and fire protection across approximately 1,000 square miles of service area. CVWD also collects and treats wastewater, provides regional stormwater protection, replenishes the groundwater basin and promotes water conservation. The project is essential to combine collective water systems address public health potable water concerns in local disadvantaged communities creating a reliable water source for the community of Mecca and throughout the project area.

The construction of this project consists of furnishing and installing Class 200, zinc coated ductile iron pipes in varying sizes with V-Bio polyethylene encasement, including valves, fittings, restrained joints, surface restoration and all necessary appurtenances complete and in place; furnishing and installing concrete vaults, valves and fittings; including open cut steel casing, controlled low-strength material in place for backfill (in certain areas). Finally, it will provide non-potable water for the needed irrigation uses of Emerald Desert and Marriott Shadow Ridge and provide increased capacity (from the existing non-potable water line currently fed through E. Hovley) to the newly installed T1 Pump Station.

Vanir will provide construction grant compliance services to the CVWD Project Manager throughout the 15-month construction duration of this project, with an additional 3-month close-out duration, for a total of 18 months.



Scope of Services

We recognize that this project will ramp-up at the start and ramp-down at project completion. Vanir's team is fully committed to mobilizing with CVWD and their contractor to ensure a timely start for construction.

DAVIS-BACON COMPLIANCE

Requirements under the Water Resources Reform and Development Act of 2014 (WRRDA) will need to comply with Davis-Bacon provisions regardless of the funding source. Vanir will work directly with the contractor and CVWD team to verify and assure labor compliance. We will conduct employee wage rate interviews using Labor Standards Interview Form (Standard Form 1445). In coordination with CVWD, Vanir will collect and review weekly payroll and compliance statements for evaluation of the funding programs or to fulfill any reporting requirements of the financial agreements. In addition, if required, Vanir will assist CVWD in collecting and preparing necessary documentation for Davis-Bacon audits.

AMERICAN IRON AND STEEL (AIS) COMPLIANCE

The "American Iron and Steel" provision requires CWSRF loan recipients to use iron and steel products that are produced in the United States for the construction, alteration, maintenance, or repair of a public water system or treatment works (Consolidated Appropriations Act of 2014 P.L. 113-76). AIS requirement is permanent for CWSRF projects and extended through 2023 for Drinking Water SRF projects. Vanir will communicate AIS requirements to CVWD and the contractor, request and maintain proper documents for AIS compliance for the project, coordinate with CVWD and submit waiver request from the contractor to the state. If needed, Vanir will work with CVWD to collect and prepare necessary documentation for AIS audits.

ENVIRONMENTAL PERMIT COMPLIANCE

Due to the project funding, SWRCB CWSRF, this project will require loan and grant environmental compliance, including adherence to the Project's Mitigation Monitoring and Reporting Program (MMRP). To fulfill the Project's MMRP, a Worker Environmental Awareness Program (WEAP), a recording of the WEAP training, a Project Sensitivity Summary Memorandum and on-call archaeological and paleontological monitoring up to 100 hours shall be required. Vanir will bring E-Corp Corporation as a subconsultant to assist with this task.

E-CORP Scope of Work

All archaeological resources fieldwork and reporting will be carried out under the supervision of a Registered Professional Archaeologist (RPA) who meets the Secretary of the Interior's Professional Qualifications Standards for prehistoric and historic archaeology (Project Archaeologist). Paleontological fieldwork and reporting will be carried out under the supervision of a professional paleontologist who meets the Principal Investigator standards of the Society of Vertebrate Paleontology (Project Paleontologist).

TASK 1 – WORKER ENVIRONMENTAL AWARENESS PROGRAM

As per Mitigation Measure (MM) CR-1 and GEO-1, ECORP will prepare an archaeological and paleontological resources sensitivity and awareness training program (Worker Environmental Awareness Program [WEAP]) for all personnel involved in project construction, including field consultants and construction workers. All construction personnel must attend this training prior to beginning work in the project area. The Project Archaeologist and Paleontologist will develop the WEAP.

The WEAP will include a brief review of the archaeological and paleontological sensitivity of the project and the surrounding area; a review of local and state laws and regulations pertaining to archaeological and paleontological resources, and the consequences of violating State laws and regulations; what archaeological and paleontological resources could potentially be identified during earthmoving activities; photos of examples of fossils that could occur on the site, the requirements of the monitoring program; the protocols that apply in the event unanticipated archaeological resources or fossils are identified, including who to contact and appropriate avoidance measures until the find(s) can be properly evaluated.

ECORP will provide a sign-in sheet for attendees of this training that will be submitted to the client after the initial training session. Additional training will be required if new personnel begin working in the project area after the initial WEAP training is held. ECORP will provide a video recording version of the WEAP training for future personnel.

TASK 2 – PROJECT SENSITIVITY SUMMARY MEMORANDUM AND ON-CALL ARCHAEOLOGICAL AND PALEONTOLOGICAL MONITORING

Using data provided by CVWD and previous studies, including AB-52 consultation results, ECORP will provide a Project Sensitivity Summary Memorandum that summarizes the project's overall archaeological and paleontological resources findings and highlight specific areas of high sensitivity that would require archaeological and/or paleontological monitoring during the Project's timeline. This technical memorandum will be developed in coordination with CVWD and will include one round of review from CVWD. The memorandum will be finalized after CVWD has provided approval. It is anticipated the effort for memorandum equals approximately 35 hours of the allocated 100 hours requested for this task per the RFP.

In accordance with MM CR-2 and GEO-2, ECORP will provide one cross-trained monitor who is a qualified professional archaeologist with experience in historic-era and pre-contact (prehistoric) archaeology and paleontology. As specified in MM CR-1, the monitor will observe all ground-disturbing activity in areas of known sensitivity for cultural resources on an as-needed basis. The monitor will be a professional archaeologist someone who meets the Secretary of the Interior's Professional Qualifications Standards for prehistoric and historic archaeology (Project Archaeologist) and is cross trained in paleontological monitoring who will work under the direction of the Project Paleontologist. The monitor will prepare a daily log for each day of monitoring to document the construction activities observed, hours on site, and a brief description of any encountered archaeological materials, along with actions taken to record and evaluate any finds.

The provided estimate for one monitor is based on 100 hours (minus the hours incurred for the Project Sensitivity Summary Memorandum), including travel and mileage between ECORP's nearest office and the project location. The client will be billed for actual costs.

The monitor shall have the authority to pause construction work within 50 feet of any discovery of any in situ or potentially significant archaeological or paleontological resources. In that event, per MM CR-2 and GEO-2, the monitor shall immediately notify the Project Archaeologist and/or the Qualified Paleontologist. ECORP will respond to unanticipated discoveries within 24 hours of a discovery. If

the discovery is made on a Friday, ECORP will respond the following Monday. Work within the area may resume once the find is properly documented and authorization is given to resume construction work. Any significant paleontological resources found during construction monitoring will be prepared, identified, analyzed and permanently curated in an approved regional museum repository under the oversight of the qualified paleontologist.

Because the cost to evaluate significance, develop and implement a treatment plan and serve as liaison with jurisdictional agencies and tribes varies greatly depending on the nature, size and age of the discovery, ECORP will negotiate a contract amendment upon the discovery of a resource.

Assumptions:

- It is assumed the Project Sensitivity Summary Memorandum will go through one review of edits and comments. If more than one review is necessary, additional hours from the allocated 100 hours will be utilized to cover any additional effort.
- An archaeological and/or paleontological treatment plan, if needed, will require a separate scope and cost.
- Fossil preparation, identification, and curation will be a separate scope and cost, if needed.
- If additional monitoring hours are required, a change order for any additional hours will be submitted for approval.

TASK 3 – ARCHAEOLOGICAL AND PALEONTOLOGICAL MONITORING TECHNICAL MEMORANDUM (IF NEEDED)

Upon the conclusion of monitoring activities and if required by CVWD and/or the CWSRF program, ECORP will provide a technical memorandum to document the methods and results of archaeological and paleontological resources monitoring. ECORP will submit the technical memorandum electronically to the client within 45 days of the conclusion of monitoring. ECORP will address one round of combined, non-conflicting comments on the draft technical memorandum. ECORP will address all comments and submit a final technical memorandum to CVWD and the Eastern Information Center of the California Historical Resources Information System. For purposes of this proposal, this scope assumes no archaeological or paleontological resources will be encountered during project activities. In the event

that archaeological and/or paleontological resources are encountered, a separate scope and cost will be submitted for approval at that time for the archaeological and/or paleontological resources monitoring report that addresses any discoveries, etc. and will have a different timeline.

CSWRCB COMPLIANCE REQUIREMENTS FOR AGREEMENTS NO. D2001010 AND D2101039

Project Management and Meetings. CVWD and the Engineer of Record (EOR) will take lead of the pre-construction and construction progress meetings, Vanir will provide support to prepare, track and document the project specified state funding requirements for the CSWRCB. We expect to work closely with CVWD and the selected contractor to log and obtain all required contract information on a weekly basis.

Monthly & Quarterly Progress Reports. Vanir, in coordination with the CVWD, will prepare Monthly Progress Reports with each disbursement request and Quarterly Progress Reports, as set forth in the funding agreement. Monthly reports shall include a summary of progress to date, including a description of progress since the last report, percent construction complete, percent contractor invoiced, and percent schedule elapsed; a description of compliance with environmental requirements; a listing of change orders including amount, description of work and change in contract amount and schedule; and any problems encountered, proposed resolution, schedule for resolution and status of previous problem resolutions.

Project Completion Report. With the support from CVWD, Vanir shall prepare a Project Completion Report containing the description of the project, description of the water quality problem the project sought to address, a discussion of the project's likelihood of successfully addressing that water quality problem in the future and a summary of compliance with applicable environmental conditions.

OTHER AS NEEDED REPORTS:

Vanir will assist CVWD and the Engineer of Record (EOR) in the preparation of any reports, data, and information reasonably required by the SWRCB, including but not limited to material necessary or appropriate for evaluation of the funding program or to fulfill any reporting requirements of the state or federal government.

FEE PROPOSAL

Fee Proposal and Other Cost Considerations

PROJECT SCOPE	VANIR		SUBCONSULTANT	TOTALS
	Carolina Madera	Anthony Diaz	E-Corp	
CVWD Biennial Engineering Services PSA Rates	\$210.00	\$185.00		
1. PROJECT ADMINISTRATION AND CONSTRUCTION SUPPORT				
1.1. Attend Pre-Construction Meeting	0	4		\$740.00
1.2 Attend Construction Bi-Weekly and Closeout Progress Meetings	2	80		\$15,220.00
1.3 Prepare agenda-related CWSRF items for bi-weekly meetings	0	40		\$7,400.00
1.4 Davis-Bacon Compliance	0	355		\$65,675.00
1.5 American Iron and Steel	0	355		\$32,375.00
1.6 Environmental Permit Compliance	18	80		\$18,580.00
1.6.1 - SUBCONSULTANT: E-CORP (T&M)			\$34,755.00	
Task 1 Subtotal	20	734		\$174,745.00
2. CWSRF COMPLIANCE REQ (AGREEMENT NO. SWRCB_D2001010)				
2.1 Monthly & Quarterly Progress Reports	2	150		\$28,170.00
2.2 Project Completion Report	2	40		\$7,820.00
2.3 As-Needed Report	2	40		\$7,820.00
Task 2 Subtotal	6	230		\$43,810.00
3. CWSRF COMPLIANCE REQ (AGREEMENT NO. SWRCB_D2101039)				
3.1 Monthly & Quarterly Progress Reports	2	150		\$28,170.00
3.2 Project Completion Report	2	40		\$7,820.00
3.3 As-Needed Report	2	40		\$7,820.00
Task 3 Subtotal	6	230		\$43,810.00
Estimated Labor Fees	\$6,720.00	\$220,890.00		
Total Project Budget				\$262,365.00

Coachella Valley Water District, Marriott Shadow Ridge

LOW PRESSURE AND EMERALD DESERT NPW PIPELINE PROJECT SCHEDULE

Schedule

	2024							2025											
	JUN 24	JUL 24	AUG 24	SEP 24	OCT 24	NOV 24	DEC 24	JAN 25	FEB 25	MAR 25	APR 25	MAY 25	JUN 25	JUL 25	AUG 25	SEP 25	OCT 25	NOV 25	DEC 25
NTP																			
Construction Duration																			
Project Closeout																			

- *Notes:
- 1. Vanir will begin the scope of services following the Notice to Proceed (NTP) assume in June 2024.
 - 2. The project contract duration is approximately 15 month (313 working days).
 - 3. In addition, three (3) additional months for grant compliance through closeout have been added, totaling approximately 18 months (390 working days), for an anticipated completion of services date of December 2025.



Solutions for Success



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