



REGULAR MEETING OF THE CITY COUNCIL OF THE CITY OF WESTMORLAND

WEDNESDAY, APRIL 16, 2025

6:00 PM

City Council Chambers
355 South Center Street
Westmorland, CA 92281

Mayor's Message

This is a public meeting. You may be heard on an agenda item before the Council takes action on the item upon being recognized by the mayor. During the oral communications portion of the agenda, you may address the Council on items that do not appear on the agenda that are within the subject matter jurisdiction of the Council. Personal attacks on individuals, slanderous comments, or comments, which may invade an individual's privacy, are prohibited. The mayor reserves the right to limit the speaker's time. Individuals wishing accessibility accommodations at this meeting, under the Americans with Disabilities Act (ADA), may request such accommodations to aid hearing, visual, or mobility impairment by contacting City Hall at (760) 344-3411. Please note that 48 hours advance notice will be necessary to honor your request.

Brown Act AB 361:

Location: Westmorland City Hall Council Chambers 355 S Center Street

Judith Rivera- Mayor

Justina Cruz - Mayor Pro- Tem

Ana Beltran- Council Member

Xavier Mendez - Council Member

Ray Gutierrez- Council Member

Call to Order:

Pledge of Allegiance & Invocation:

Roll Call:

Oral Communication-Public Comment: Now is the time for any member of the public to speak to the Council. Please step to the podium and state your name and address for the record. Three (3) minute maximum time.

-Alex Cardenas, IID Director Division 1- IID Open House Youth Hall April 24, 2025.

Reports from Council Members Non-Action Items:

Staff Reports Non-Action Items:

Fire Department – Chief Sergio Cruz

Police Department – Chief Lynn Mara

City Manager- Laura Fischer

Public Works Director - Ramiro Barajas

Consent Agenda: Approve the Consent Agenda Items 1-2.

1. Approval of Meeting Minutes of April 2, 2025
2. Approval of City Warrant List.

Regular Business:

- 1) Discussion and Action to Adopt Resolution 2025-08 to award the construction contract for the Pipeline Replacement Project on 7th Street. – Ramiro Barajas, Public Works Director
- 2) Discussion and Action to award the construction management contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance to The Holt Group in the amount of \$701,920. Ramiro Barajas, Public works Director
- 3) Discussion and Action to award the project engineering services in an amount not to exceed \$216,000 to Psomas for the EDWG Water Treatment Plant Improvement Project for TTHM compliance. Ramiro Barajas, Public Works Director
- 4) Discussion/Action to authorize the mayor to sign a letter of support for the Salton Sea Green Empowerment Zone. Laura Fischer, Manager

Closed Session:

- Public Service Employees Job descriptions and salary scales, as well as Appointment, Employment, or evaluation (Gov't. Code §54957(b)(1).)
- Conference with legal Counsel Pending Litigation (Gov't. Code §54956.9 (d) (1))

Adjournment: Next regular scheduled meeting May 7, 2025.

Council meetings are Open to the Public
If you need further assistance, please email the City Clerk
cityclerk@cityofwestmorland.net



CITY OF WESTMORLAND

CITY COUNCIL REPORT

DATE: April 16, 2025

FROM: Laura Fischer

SUBJECT: Staff Report – Part-Time Manager

Streets:

All cities and the County of Imperial must submit projects under the CMAQ and STBG call for projects by May 16, 2025, at 5 PM. I met with Ramiro to discuss the possible projects and I met with Hanna at the Institute for Local Government – Boost Program to assist in the grant preparation.

CDBG Block Grant:

I was contacted and told about an open Notice of Funding Availability (NOFA) for the Permanent Local Housing Allocation (PLHA) which is **non-competitive formula funding** available to all local governments in California. The California Department of Housing and Community Development (HCD) is making these funds available to support a wide variety of housing activities and housing supports with a relatively straightforward and streamlined application process.

The City of Westmorland has \$103,320 funding currently available for a wide variety of activities to help implement plans to increase affordable housing stock in your area, as shown below:

	CY 2022 Allocation	CY 2023 Allocation
City of Westmorland	\$59,086	\$44,234

Applications are being accepted on a rolling basis for CY2022 until February 28, 2026, and for CY2024 until February 28, 2027. After these deadlines, **the funding allocations will no longer be available to your jurisdiction**. The City of Westmorland has been receiving notifications, which were submitted to Teri Nava, but the City has never applied for these funds, which are allocated to us each year. I will be submitting an application to secure the funds for 2022 and 2023 in the amount of \$103,320.

CDBG Program Income Reporting

I completed and filed the reporting for FY 17-18, 18-19, 19-20, 20-21, 20-22, 20-23, and 2023-24. The report was filed electronically and I am now working on a report on the status of our customers for the committee, and with our representative from the state to determine our next step options.

Per Capital Park Improvement Project. Restrooms & Drinking Fountain. I submitted the reimbursement request for the PER CAPITA project and it was accepted. We should be getting our first reimbursement within a couple of weeks. The program manager, Ms. Schlusser, will be visiting the valley to check on our project status in May. I'll keep you updated on her visit.

REAP Grant. The city was awarded a REAP grant to assist the city to implement housing programs and zone changes to encourage housing development in Westmorland. I am working with SCAG

to finalize the scope of work. We will begin to have weekly meetings and SCAG will be soliciting bids for a consultant firm.

Expedited Drinking Water Grant (EDWG). Ramiro is the lead on this project and may have an update. I will have on the agenda on 4/16 an agreement for Construction management services, the city currently has a RFQ out for solicitation; and an agreement for project engineering services.

Congressional Funds through Congressman Ruiz' Office:

We received word from Congressman Ruiz' office that the funding request for all of the congressman's projects were denied and will be resubmitted next year. I am now working to secure our matching funds for the USDA grant to make sure we can still be eligible to construct the project.

Open Grants Awarded:

The City has several grants open including:

Water – **Drought Relief Funding of new filter at Water Plant and pipeline install - \$2.9 M**

Mr. Hamby has an item on the agenda for the pipeline portion of this project.

Water – **Expedited Drinking Water Grant for Non-Compliance / New Tanks - \$10.5 M**

Ramiro will have an update for Council

Fire/Police – **USDA Disaster Relief Grant for Public Safety Building \$2.7 M**

I continue to work with USDA to provide the necessary documents for environmental review as requested.

PER Capita Grant – near completion of **new restrooms at park - \$176,952.**

REAP Grant – **Planning and Development for Housing - \$176,000.**

CMAQ – The City has a CMAQ project due by the end of 2026, which includes **sidewalk curb and gutter** on various areas in the city. More information will be shared as we move forward.

Grant Opportunities Not Applied For Yet:

IID Tree for All Grant Opportunity. I have attached a flyer from IID regarding the Tree for All program that offers grant to plant trees in parks and neighborhoods. I will look at the application, which is due May 5, 2025 report once the application is ready to submit. **No update on this grant.**

AB 617:

Application will be open soon for new paving project and for residential stand alone air filtration systems. The City will need to come up with a project for paving areas that have high traffic that are not paved. Staff feels that the dirt parking and entrance/exits to city hall would be a great project. Staff will come up with some conceptual plans.

Finance:

Public Safety ½ Cent Sales Tax. We have received a total of \$58,646 for three years. That is an additional \$29,323 in Fire and the same amount in Police. **I still need to submit prior year request.**

Frey Software. We are moving forward with our implementation and our bill pay system is currently working so that our customers can pay their bill online, phone, in person. I have been meeting with our accountant to make sure that all of our accounts are in the new system correctly and that we can pull the reports that will be needed at end of the year and during the 2025 audit.

Budget Preparation. I am starting to review our budget to develop a draft for next fiscal year. I will have a third quarter budget review prepared for the second meeting in April. After that we will start to schedule budget workshops for FY budget 2026.

Citywide FY 2024 Audit. The draft Citywide FY 2024 audit is still not ready for final review and approval. We are working with Fechner to get the final draft and any pending items submitted.

CDBG & HCD. I met with the committee and reviewed files.

State Water Board Drought Relief Grant and Expedited Drinking Water Grant; These meetings were our monthly project meeting.

USDA Local Assistance and Institute for Local Government. These meetings were to prepare and submit documents needed to complete the process to secure grant funds for public safety building.

Congressional Funding. I attended a meeting at Congressman Ruiz' office to discuss the Federal Budget and how it has affected our community. I also filled out a survey from his office expressing our need for the funds. He will let us know if we will receive the Congressional funds for our public safety building.

Auditors and Accountants. Staff has provided the final document request, and I expect to receive the Management letter for signature within the next week and a draft 2024 audit by the next meeting. They are currently auditing the City / County Fire Agreement and our invoicing system.

Imperial County Transportation Commission.

Imperial County City County Managers Association.

Hours worked:

My timecard submitted on March 24th recorded 36 hours. I didn't submit a timecard for April 7th.

Respectfully Submitted,
Laura Fischer

CITY OF WESTMORLAND

REPORT TO CITY COUNCIL

MEETING DATE: April 16, 2024

FROM: Laura Fischer, Manager

SUBJECT: Adopt Resolution 2025-08 to Award the Construction Contract for the Replacement of Water Pipeline on 7th Street Funded by the State Water Board Drought Relief.

ISSUE: Shall the Council Adopt Resolution 2025-08 to Award the Construction Contract for the Replacement of Water Pipeline on 7th Street Funded by the State Water Board Drought Relief?

General Manager's Recommendation:

Adopt Resolution 2025-08 to Award the Construction Contract for the Replacement of Water Pipeline on 7th Street Funded by the State Water Board Drought Relief.

FISCAL IMPACT: \$497,365

The improvement to the water treatment plant filter and the installation of a water line on 7th Street received a grant from the State Water Drought Relief Funds in the amount of \$2,928,150. The grant will fund the entire filter replacement project at the water plant, but the water line replacement project was only partially funded and the scope of work was modified to include the remaining grant fund balance of approximately \$498,000.

DISCUSSION:

The City of Westmorland held a bid opening for the construction of this project and received bids, which were reviewed by the project engineer and construction management team. Our construction management firm, The Holt Group has prepared a review which is attached for your consideration. The recommended award is to Rove Engineering Inc., which is the lowest bidder.

Please see attached Engineering report prepared by Juny Marmolejo with The Holt Group.

CONCLUSION:

It is recommended that the Westmorland City Council adopt Resolution 2025-08 awarding the construction contract for the water line replacement project as presented.

ALTERNATIVES:

- 1) Do not adopt Resolution Number 2025-08 and do not award the contract for Construction. This action may cause delays in the project completion date.
- 2) Provide alternative direction to staff.

Respectfully Submitted,

Laura Fischer, Manager

Attachments: Resolution 2025-08
Bid Analysis The Holt Group

RESOLUTION 2025-08

A RESOLUTION OF THE CITY OF WESTMORLAND CITY COUNCIL AWARDING THE CONSTRUCTION CONTRACT FOR THE WATER LINE REPLACEMENT PROJECT ON 7TH STREET FUNDED BY CALIFORNIA DROUGHT RELIEF FUNDS

WHEREAS, the City of Westmorland received two Citations for Non-Compliance from the State Water Board. Citation No. 05-14-17R-001 was issued on July 13, 2017; and Citation No. 06-26-24J-002 was issued in 2024.

WHEREAS, the City of Westmorland has identified and wishes to implement a construction project to assist with compliance with the aforementioned Citations involving removal and replacement of the water lines located on 7ths Street, hereafter “Water Line Replacement Project;” and

WHEREAS, the City of Westmorland’s Application for project funding through the Drought Relief Funds for Planning, Design, and Construction of the Water Treatment Plant Filter Improvement Project, and installation of a water line on 7th Street, which will be awarded under a separate construction contract at the Council Meeting on April 16, 2025, has been approved in the two projects total amount of **\$2,928,150**; and

WHEREAS, the City of Westmorland has duly advertised for construction services which have resulted in bid proposals received and reviewed according the legal requirements; and

WHEREAS, the City of Westmorland and the project engineers has determined that the recommended construction firm was the most responsive and responsible bidder; and

WHEREAS, the City of Westmorland wishes to award the construction services contract to the lowest responsive bidder, Rove Engineering Inc. in the amount of \$497,365 which includes the added alternate; and

NOW, THEREFORE BE IT RESOVLED BY THE CITY COUNCIL OF THE CITY OF WESTMORLAND, that the above statements are true and correct, and hereby award the Water Line Replacement Project construction services to Rove Engineering Inc., in the amont of \$497,365 which includes the added alternate.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the City Council of the City of Westmorland conducted on the 16th day of April, 2025 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Judith Rivera, Mayor
City of Westmorland

I, Christine Pisch, City Clerk of the City of Westmorland, DO HEREBY CERTIFY that the foregoing resolution was duly passed, approved, and adopted by the City of Westmorland City Council at a regular meeting held on the 16th day of April, 2025.

ATTEST:

Christine Pisch, City Clerk
City of Westmorland



April 11, 2025

Mr. Joel Hamby
Interim Director of Development Services
City of Westmorland
PO Box 699
Westmorland, CA 92281

RE: City of Westmorland – Water Distribution Piping Replacement Project
City No. 2025 - 01
DWR / SCDR Grant No.4600015451
THG Project No. 102.114
Construction Bid Review Letter

The Holt Group, Inc. has reviewed the construction bids for the City of Westmorland – Water Distribution Piping Replacement Project. There was four (4) bids submitted from the six (6) prospective bidders that attended the non-mandatory Pre-Bid Conference. Attached is the Bids' Cost Tabulation and Evaluation of Bids for Conformance Sheet as prepared by The Holt Group.

The bid included thirteen (13) bid items and one (1) additive alternate bid item. The City's Estimate for the construction cost was \$444,250.00 for the base bid. The lowest bidder was Rove Engineering Inc. (Rove). Rove's base bid amount is \$ 470,965.00. Rove's base bid cost is 6% within the City's Estimate. Rove's base bid plus additive alternate is \$497,365.00. The City's construction budget is \$498,000.00.

The Holt Group's review found Rove's bid documentation to include all required bid information and is deemed to be the lowest responsive and responsible bidder.

It is understood that the bid amount of \$ 497,365.00 is within the City's estimated project budget. The Holt Group, Inc. recommends the City of Westmorland to consider awarding the Construction Project to Rove in the amount of \$ 497,365.00 (Base Bid plus the Additive Alternate).

Please feel free to contact me with any questions or concerns.

Respectfully,

Juny Marmolejo, P.E.
Resident Engineer

Cc: Laura Fischer, City Manager, City of Westmorland
Ramiro Barrajas, Public Works Director, City of Westmorland
Christine Pisch, City Clerk, City of Westmorland
Sameer Patel, Resident Engineer, The Holt Group, Inc.
James G. "Jack" Holt, P.E., Principal Engineer, The Holt Group, Inc.

City of Westmorland - Water Distribution Piping Replacement Project
City Project No. 2025-01 / DWR/SCDR Grant No. 4600015451 THG No. 102.114
Bid Opening 04-10-2024 AT 2:00 PM at City of Westmorland City Hall
Date: April 10, 2025
Reviewed by: Juny Marmolejo, The Holt Group, Inc.
Bids' Cost Evaluation

ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST						Rove Engineering		VGL Construction		RE Chaffee		Pyramid Construction and Aggregates	
Item No.	Description	Unit	Quantity	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost
Demolition													
1	Remove and Dispose / Recycle Existing AC Pavement and PCC Concrete	Lump Sum	1	-		\$ 10,370.00	\$ 10,370.00	\$ 10,000.00	\$ 10,000.00	\$ 7,800.00	\$ 7,800.00	\$ 349,200.00	\$ 349,200.00
2	Remove/ Dispose Existing Water Valves, abandon and cap piping as indicated or needed. Maintain water service except for short outages.	Lump Sum	1	-		\$ 35,685.00	\$ 35,685.00	\$ 5,000.00	\$ 5,000.00	\$ 70,500.00	\$ 70,500.00	\$ 12,500.00	\$ 12,500.00
Construction													
1	Install 8-inch Resilent Wedge Gate Valve including fittings, piping and thrust blocks)	Each	7	-		\$ 6,150.00	\$ 43,050.00	\$ 6,155.00	\$ 43,085.00	\$ 2,500.00	\$ 17,500.00	\$ 13,653.00	\$ 95,571.00
2	Install 6-inch Resilent Wedge Gate Valve including fittings, piping and thrust blocks)	Each	8	-		\$ 6,070.00	\$ 48,560.00	\$ 5,950.00	\$ 47,600.00	\$ 2,200.00	\$ 17,600.00	\$ 12,414.00	\$ 99,312.00
3	Restore service to existing fire hydrants, including tee fitting at main, other fittings including transition coupling to existing pipeline, trenching, and trench backfill	Each	3	-		\$ 7,440.00	\$ 22,320.00	\$ 6,216.00	\$ 18,648.00	\$ 5,500.00	\$ 16,500.00	\$ 13,948.00	\$ 41,844.00
4	Adjust water valve covers to grade (including risers, covers, native materials, or AC as indicated / needed).	Each	20	-		\$ 661.00	\$ 13,220.00	\$ 1,050.00	\$ 21,000.00	\$ 850.00	\$ 17,000.00	\$ 250.00	\$ 5,000.00
5	Install 8-inch C900 PVC Water Pipe (complete with fittings, concrete thrust blocks, trenching, trench backfill, and pothole)	Lineal Feet	2600	-		\$ 55.00	\$ 143,000.00	\$ 47.88	\$ 124,488.00	\$ 83.00	\$ 215,800.00	\$ 210.55	\$ 547,430.00
6	Install 6-inch C900 PVC Water Pipe (complete with fittings, concrete thrust blocks, trenching, trench backfill, and pothole)	Lineal Feet	220	-		\$ 97.50	\$ 21,450.00	\$ 105.73	\$ 23,260.60	\$ 185.00	\$ 40,700.00	\$ 256.01	\$ 56,322.20
7	Restore residential service laterals	Each	22	-		\$ 2,540.00	\$ 55,880.00	\$ 1,775.00	\$ 39,050.00	\$ 2,800.00	\$ 61,600.00	\$ 4,005.00	\$ 88,110.00
8	AC Paving / trench repair as shown in trench detail in plans	Square Feet	4600	-		\$ 6.70	\$ 30,820.00	\$ 14.90	\$ 68,540.00	\$ 19.00	\$ 87,400.00	\$ 14.49	\$ 66,654.00
9	Traffic Control, Sweeping / Cleaning and Notification of Water Outage.	Lump Sum	1	-		\$ 5,363.00	\$ 5,363.00	\$ 50,000.00	\$ 50,000.00	\$ 45,000.00	\$ 45,000.00	\$ 20,000.00	\$ 20,000.00
10	Mobilization, demobilization, replacement pavement markings, install project sign, monument preservation, and construction staking.	Lump Sum	1	-		\$ 31,747.00	\$ 31,747.00	\$ 51,575.00	\$ 51,575.00	\$ 58,000.00	\$ 58,000.00	\$ 15,000.00	\$ 15,000.00
11	Bonds and Insurance	Lump Sum	1	-		\$ 9,500.00	\$ 9,500.00	\$ 17,750.00	\$ 17,750.00	\$ 13,800.00	\$ 13,800.00	\$ 28,007.00	\$ 28,007.00
						Base Bid Total	\$ 470,965.00		\$ 519,996.60		\$ 669,200.00		\$ 1,424,950.20
Additive Alternate													
A	Install 6-inch C900 PVC Water Pipe (complete with fittings, concrete thrust blocks, trenching, trench backfill.)	Lineal Feet	550	-		\$ 48.00	\$ 26,400.00	\$ 119.55	\$ 65,752.50	\$ 185.00	\$ 101,750.00	\$ 317.24	\$ 174,482.00
Base Bid + Additive Alternate Total						\$ 497,365.00		\$ 585,749.10		\$ 770,950.00		\$ 1,599,432.20	

City of Westmorland - Water Distribution Piping Replacement Project
City Project No. 2025-01 / DWR/SCDR Grant No. 4600015451 THG No. 102.114
Bid Opening 04-10-2024 AT 2:00 PM at City of Westmorland City Hall
Bids' Cost Evaluation
Date: April 10, 2025
Reviewed by: Juny Marmolejo, The Holt Group, Inc.
Bid Conformance Review

Bidders	Rove Engineering	VGL Construction	RE Chaffee
Bidder State License No.	1045101	908288	897948
Bid Amount	\$470,965.00	\$519,996.60	\$669,200.00
Bid Amount + Additive Alternate	\$497,365.00	\$585,749.10	\$770,950.00
Received by Bid Date and Time, Signed and Sealed	YES	YES	YES
Bidder's Information	YES	YES	YES
Contractor's Licensing Statement	YES	YES	YES
Submittal of Bid Bond	YES	YES	YES
List of Subcontractors	YES	YES	YES
Non-Collusion Affidavit	YES	YES	YES
Addendum Acknowledgement	YES	YES	YES
General Contractor in Good Standing of Contractor License in CA	YES	YES	YES
Sub-Contractors in Good Standing of Contractor License in CA	YES	YES	N / A
General Contractor Status with Department of Industrial Relations	YES	YES	YES
Sub-Contractors Status with Department of Industrial Relations	YES	YES	N / A
General Contractor/Sub- Contractor listed on State of California Debarment List	NO	NO	NO

CITY OF WESTMORLAND

REPORT TO CITY COUNCIL

MEETING DATE: April 16, 2024

FROM: Laura Fischer, Manager

SUBJECT: Award the construction management contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to The Holt Group in the amount of \$701,920.

ISSUE: Award the construction management contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to The Holt Group in the amount of \$701,920?

General Manager's Recommendation:

Award the construction management contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to The Holt Group in the amount of \$701,920.

FISCAL IMPACT:

This phase of the project, which includes the replacement of water lines that is funded through the Expedited Drinking Water Grant. The grant includes the Water Treatment Plant Improvement Project for TTHM compliance project, and the Construction Management costs are an eligible reimbursable expense. The table below shows the estimated project cost breakdown.

ITEM	DESCRIPTION	TOTAL ESTIMATED COST	PROJECT FUNDING AMOUNT
A	Construction	\$7,714,537	\$7,714,537
B	Pre-Purchased Material / Equipment	\$0	\$0
C	Real Property / Easement Acquisition	\$0	\$0
D	Change Order Contingency	\$701,322	\$701,322
E	Force Account	\$0	\$0
F	Allowances (Soft Costs)		
	Planning	\$0	\$0
	Design	\$0	\$0
	Construction Management	\$925,000	\$925,000
	Engineering Services During Construction	\$200,000	\$200,000
	Administration	\$150,000	\$150,000
H	Conditional Costs (\leq 30% of total project cost, i.e., sum of items A-G)	\$828,964	\$828,964
	TOTAL	\$10,519,823	\$10,519,823

DISCUSSION:

The City of Westmorland submitted a Request for Qualifications for the construction management services for this project. The city received several inquiries about the RFQ but only received one response. The response was from The Holt Group is within the estimated budget for the project. Their RFQ response and is attached to this report.

CONCLUSION:

It is recommended that the Westmorland City Council Award the construction management contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to The Holt Group in the amount of \$701,920.

ALTERNATIVES:

- 1) Do not adopt award the contract for Construction Management. This action may cause delays in the project completion date.
- 2) Provide alternative directions to staff.

Respectfully Submitted,
Laura Fischer, Manager
Attachments: RFQ and Cost

1. EXECUTIVE SUMMARY

Founded in 1984, The Holt Group, Inc. is a full service consulting firm offering Design Engineering, Construction Management and Inspection, Resident Engineering, Plan Checking, Surveying, Engineering Report and Study Services, Planning, Environmental Assessments, Grant Administration, Grant Writing, Engineering Administrative Support Services and related Professional Services to both Private and Public Sector Clients throughout Southern California and Western Arizona. Our main office is located in El Centro, California, with satellite office locations in Blythe, California and Palm Desert, California. If selected, all of the Services provided to the City of El Centro will be provided from **our principal office located at 1601 N. Imperial Avenue in El Centro, California.**

The Holt Group El Centro office is staffed with Professionals who specialize in providing contract Engineering and Planning Services to local Imperial and Riverside County Municipalities. We have maintained office locations in the County of Imperial, City of Blythe and Coachella Valley for the last forty years during which we have had the opportunity to perform services for the Imperial County Community and Economic Development Department, County of Imperial, Seeley Water District, Niland County Sanitary District, Heber Public Utility District, Palo Verde Water District, Imperial Irrigation District, and the Cities of Blythe, Brawley, Calexico, Calipatria, El Centro, Imperial, Holtville and Westmorland. The Holt Group, Inc. currently serves as the consulting City/District Engineer for the Cities of Holtville, Calipatria, and the Heber Public Utility District and provide on-call, as needed Engineering, Planning, and Plan Checking Services to the County of Imperial, Imperial County Community and Economic Development Department and Cities of El Centro, Brawley and Imperial. We also serve as the consulting City Planning, Grant Writing and Administration, and Environmental Staff for the Cities of Holtville and Calipatria, and the Heber Public Utility District.

Due to our extensive amount of local participation and experience, we are intimately familiar with the local Engineering and Planning standards, regulations, and guidelines as well as local seismic, geotechnical, groundwater and extreme temperature conditions which significantly impact Engineering Projects in Imperial County. Over the years, The Holt Group has developed Engineering Standards, Details and Specifications and Long-Range Planning Documents for many of our Municipal Clients which address the conditions unique to Imperial County. Our firm also has extensive experience working with a variety of agencies including the California Department of Housing and Community Development (HCD), Community Development Block Grant (CDBG), Economic Development Agency (EDA), North American Development Bank (NADB), United States Department of Agriculture (USDA), Environmental Protection Agency (EPA) and Regional Water Quality Control Board (RWQCB).

We understand that the City of Westmorland is seeking an experienced Professional Engineering Firm to provide Construction Management Services for the Water Treatment Plant Improvement Project.

The Holt Group takes both professional and personal interest in the development of communities within Imperial County. Although many consulting firms possess the technical knowledge and ability to serve the City of Westmorland, we believe that the commitment of local engineers and planners participating in local projects coupled with the knowledge of local conditions and local agency requirements results in superior engineering projects. Our El Centro office has a staff of 23 Engineering, Planning, Surveying, Construction Management and Administrative Specialists who can handle multiple projects for the City of El Centro simultaneously. All our Staff members performing Construction Management Services for the Water Treatment Plant Improvement Project will be staffed out of our El Centro office and therefore will be available 7 days a week, 24 hours a day to provide services as required. We are highly sensitive to the needs of our Municipal Clients and consistently strive to complete projects on time and within budget. Thank you for the opportunity to submit this Proposal and we look forward to further discussing our capabilities in assisting the City of Westmorland with Construction Management Services for the Water Treatment Plant Improvement Project.

2. PROJECT UNDERSTANDING

The City of Westmorland intends to construct various improvements to its Water Treatment Plant facility. Construction activities for this project include but are not limited to the demolition of the existing 0.35 MG welded steel potable water storage tank and associated appurtenances, construction of a new 1.0 MG welded steel potable water storage tank with TTHM removal system and associated appurtenances, modification to the existing 0.70 MG welded steel potable water storage tank, water quality analyzers, relocation of existing backwash water pump station, modifications to the existing distribution pump station, modification to the existing filtered water pump station discharge piping, relocation and/or demolition of existing facilities to accommodate project improvements, operations building improvements, electrical improvements, various controls and instrumentation improvements, and update of the Operations Plan.

The City of Westmorland is seeking a professional engineering firm to provide Construction Management Services for the City of Westmorland Water Treatment Plant Improvement Project. The proposed Resident Engineer will be required to provide a number of Resident Engineering and Construction Management functions including but not limited to the following: coordinating with City and design engineer for construction bidding services, manage the construction bidding of the project, coordinating the project preconstruction meeting, coordinating and moderating in weekly construction progress meetings, coordinating with the City of Westmorland representatives, Grant Agency representatives, the Contractor, utility purveyors, Division of Drinking Water (regulatory agency) and material testers throughout the life of the project, providing full time daily construction inspections, preparing daily construction activity reports, monitoring the project schedule, have a thorough understanding of the submittals, review and approval of payment requests, change order requests, have a thorough understanding of the requests for information (RFI), providing geotechnical testing services, coordinating water quality testing services, and providing labor compliance monitoring services, drafting of quarterly reports and final report (as required by funding agency). The Resident Engineer is expected to be present Construction Management Services throughout the life of the project.

3. QUALIFICATIONS & RESUMES OF INDIVIDUALS ASSOCIATED WITH THIS PROJECT

The Holt Group, Inc.’s team of diversified, highly qualified professionals possesses the necessary technical skills, experience, motivation and communication ability to provide the City of Westmorland with responsive, high quality ***Construction Management Services***. Following is a brief overview of the key personnel that will be providing these services to the City of Westmorland:

James G. “Jack” Holt, P.E., Principal Engineer

Jack Holt is a Registered Civil Engineer in the State of California with forty-eight years of municipal engineering experience. Mr. Holt has extensive experience in both municipal and private projects and has worked on street improvement projects, water system and wastewater system expansion projects; water pipeline, wastewater pipeline and stormwater pipeline projects and park improvement projects for the Cities of Westmorland, Calipatria, Brawley, Holtville, Calexico, County of Imperial, and Heber Public Utility District. Mr. Holt will have the overall responsibility of overseeing and monitoring the Construction Management Services for this project.

Juny Marmolejo, P.E., Resident Engineer

Mr. Jesus “Juny” Marmolejo obtained a Bachelor’s of Science degree in Civil Engineering from California State University at Long Beach. Mr. Marmolejo has over twenty-three years of civil engineering experience and has project managed the design and construction of numerous engineering projects over the past twenty-two years. Mr. Marmolejo has completed project design, bidding, Resident Engineering and Plan Checking for Street, Water Pipeline, Sewer Pipeline, Wastewater Treatment Plant Expansions/Improvements, Water Treatment Plant Expansions/Improvements, Sanitary Sewer Pump Stations, Domestic Water Booster Pump Stations, and similar projects. Mr. Marmolejo has completed various preliminary engineering reports, project calculations and other focused studies and reports for various civil engineering projects. A full description of Mr. Marmolejo’s experience and capabilities is contained within the engineering resumes.

Sameer Patel, P.E., Resident Engineer

Mr. Patel has over thirty-four years of experience in the civil engineering and construction management field. Mr. Patel has performed duties including construction management, surveying, and design services for various infrastructure improvement projects. Mr. Patel has assisted with the preparation of various SWPPP documents, grading plans, civil engineering analyses, specifications, and improvement plans. Mr. Patel will be responsible for monitoring construction activities at the project site and the preparation of daily inspection reports. A full description of Mr. Patel's experience and capabilities is contained within the engineering resumes.

Todd Richardson, E.I.T., Assistant Resident Engineer

Mr. Todd Richardson has over eleven years of experience in the civil engineering and construction management field. Mr. Richardson has completed surveying activities, assisted with preparing engineering studies, and has provided construction management services for various types of civil infrastructure projects including water and wastewater treatment plants, pump stations, retention basins, water, sewer and stormwater pipelines and street infrastructure. Mr. Richardson will be responsible for monitoring all construction activities at the project site and the preparation of daily inspection reports. A full description of Mr. Richardson's experience and capabilities is contained within the engineering resumes.

James G. “Jack” Holt, P.E.**PRINCIPAL ENGINEER / QAQC****EDUCATION**

B.S., Civil Engineering,
1977
University of Michigan
Ann Arbor, Michigan

REGISTRATIONS

Registered Civil
Engineer
R.C.E. # 31773,
California - 1980

Registered Civil
Engineer,
R.C.E. # 25315, Arizona
– 1992

California QSP & QSD
SWPPP Certification #
20198

PROFESSIONAL ORGANIZATIONS

American Society of
Civil Engineers

Water Pollution
Control Federation

American Water Works
Association

American Concrete
Institute

PROFESSIONAL PRACTICE

THE HOLT GROUP, INC.
El Centro, California

GENERAL QUALIFICATIONS

Mr. James G. Holt offers over forty-eight years of engineering, surveying, project administration and construction management experience. Mr. Holt currently manages The Holt Group El Centro office. Mr. Holt’s responsibilities include the daily administration of the offices and engineering projects in conjunction with senior principals of the staff. He has been responsible for the design, administration and construction management of various municipal civil engineering projects in California and Arizona since 1979 including water and wastewater treatment plant expansions, wastewater pump stations, domestic booster pump stations, water and wastewater pipeline projects and numerous street and roadway improvement projects for the Cities of Brawley, Blythe, Calipatria, Calexico, Westmorland, El Centro, Imperial, and Holtville, the Heber Public Utility District, the Niland Sanitary District, the Jacumba Community Services District, the Cibola Water District, the Palo Verde County Water District and the Town of Quartzsite and the County of Imperial.

Mr. Holt has completed comprehensive street reports identifying the type of street improvements and associated cost for each street section comprising the roadway system for the Cities of Holtville, Calipatria, and Westmorland. Mr. Holt has completed the design, bidding and construction management/resident engineering services for over sixty (60) street improvement projects during the last forty (40) years in the Imperial Valley. Mr. Holt is familiar with Street maintenance improvements (SAMI’s, crack sealing, slurry seal coats), and street rehabilitation (cold recycling, A.C. pulverizing, glass grid, petromats, lime treated base, cement treated base, A.C. overlays and ARAM overlays). Mr. Holt has completed the design and construction management of numerous wastewater pump stations, stormwater pump stations, wastewater treatment plants and water treatment plants projects. Mr. Holt completed the design of the Niland and Seeley townsite street maintenance design in 2013, Winterhaven street maintenance design in 2014, Ocotillo street maintenance design in 2014, Desert Shores street maintenance Design in 2015, and the Bombay Beach Bombay Beach rehabilitation design in 2022. The street maintenance designs were completed for the County of Imperial and included between 5 to 8 miles of roadway improvements within the communities. Mr. Jack

1984 - Present

**MAINIERO, SMITH &
ASSOCIATES**

Palm Springs, California
1979 – 1983

**PERLA STOUT
ASSOCIATES, INC.**

Traverse City, Michigan
1977 – 1979

**JOHN C. LINTON &
ASSOCIATES**

Traverse City, Michigan
1974 – 1977

Holt also recently completed the design of the Salton Community Services District Force Main Replacement Project and the Niland Wastewater Treatment Plant and Collection System Improvement Project.

Jesus “Juny” Marmolejo, P.E.**RESIDENT ENGINEER / PROJECT MANAGER****EDUCATION**

B.S., Civil Engineering,
June 2002
California State
University at
Long Beach
Long Beach, California

CERTIFICATIONS

Registered Professional
Engineer (P.E.)
California, Certificate
No. C80410

PROFESSIONAL PRACTICE

THE HOLT GROUP, INC.
El Centro, California
August 2002 - Present

**KPFF CONSULTING
ENGINEERS**
Long Beach, California
June 2001 – August
2002

**GRANITE
CONSTRUCTION**
El Centro, California
June 1998 – August
1998

GENERAL QUALIFICATIONS

During Mr. Marmolejo’s tenure at The Holt Group, he has prepared and managed multiple engineering studies, prepared improvement plans, prepared specifications and contract documents, and has provided construction management services for various types and magnitudes of civil infrastructure including water and wastewater treatment plants, pump stations, retention basins, water distribution, sewer and stormwater collections systems, and street infrastructure.

Mr. Marmolejo has extensive knowledge and command of various civil engineering activities which include Preliminary Engineering Reports, Improvements Plans, Contract Documents, Specifications, Storm Water Pollution Prevention Plans, Quantity Estimates and Cost Estimates, Environmental Reports, Engineering Calculations, Surveying, Construction Inspection and Observation, and Meeting and Coordination between Clients and Contractors.

Mr. Marmolejo has completed project coordination efforts with various public agencies including the County of Imperial, Imperial Irrigation District (water and power departments), AT&T, Time Warner Cable, The Gas Company, Caltrans, Regional Water Quality Control Board, SWRCB’s Division of Drinking Water, and various City agencies.

Mr. Marmolejo is The Holt Group’s Manager of Construction Activities and oversees construction related projects. Construction Management responsibilities managed by Mr. Marmolejo include the administration of pre-construction conferences and progress meetings, observation and inspection of construction activities, preparation of daily construction activity logs, materials and equipment inventory, submittal review of equipment and material, review and response to RFI’s, review and processing of change orders, review and processing of contractor’s payment requests, preparation of as-built drawings, building and agency permit coordination and environmental review, commissioning and start-up of facilities, close-out of project and project records filing and archiving, coordination of project survey requirements, structural review, labor compliance and monitoring services (as required).

RELEVANT EXPERIENCE

Mr. Marmolejo completed the project management services and daily inspections for the project. The project consisted of the recoating of the deteriorated condition of the existing 2.4 MG Water Storage Tank's interior walls; installation of a Trihalomethane Removal System within the 2.4MG Water Storage Tan to reduce trihalomethanes, a disinfection by-product, within the distributed potable water; installation of a baffle system within the 1.5 MG Water Storage Tank to increase the disinfection process' chlorine contact time; installation of new finished water piping to allow the water storage tanks to operate in series; installation of a shade structure over the clarifier/mix media filters to deter algae growth within the open tank; the replacement of two (2) outdated emergency standby generators; and replacement the electrical and instrumentation controls of the water treatment plant's various processes. Mr. Marmolejo monitored the construction schedule, completed daily inspections, coordinated with County Representatives, chaired weekly project meetings, coordinated with the Contractor and geotechnical entities, monitored traffic control activities, completed submittal reviews, reviewed Payment Requests and Change Order Requests as submitted by the Contractor, completed As-Built Plans and other project completion related documents amongst other items.

The Holt Group, Inc. was contracted by the County of Imperial - Workforce and Economic Development (ICWED), to provide construction management services for the Poe Colonia Wastewater Treatment Plant (WWTP) Improvements Project. The Poe Colonia WWTP serves an existing residential development of approximately 53 residential homes that is located in rural and farming area just 3 miles west of Brawley, California. The Poe Colonia WWTP is located just in the in the northern area of the residential development, and is operated and maintained by the County of Imperial Public Works Department. The project consisted of replacement of the following processes: Pumps and their perspective on/off float switches; Textile filter treatment units; Wastewater subsurface drip distribution system; Flowmeters; Control valves; and Electrical and control components. Currently, the existing wastewater is being discharged into an emergency basin within the WWTP, and completion of the improvements will allow for reinstatement of the WWTP processes to bring within compliance of the

California Regional Water Quality Control Board's Waste Discharge Requirements. The project construction cost is \$317,000.

Mr. Marmolejo managed the construction management and inspection services of the project. Mr. Marmolejo conducted daily inspections of the construction work and noted as-built changes to the design plans. Mr. Marmolejo coordinated with ICWED, County of Imperial Public Works, and WWTP Operators regarding the construction progress, construction issues, and changes to the construction via construction activity logs, phone conversations, and progress meetings. Mr. Marmolejo coordinated with the Design Engineer for concurrent approval of design changes and material / equipment submittals. Mr. Marmolejo coordinated for approval of payment requests. Mr. Marmolejo coordinated with ICWED for approval of payment requests.

Sameer Patel, P.E.

ASSISTANT PROJECT ENGINEER / ASSISTANT RESIDENT ENGINEER

EDUCATION

B.S., Civil Engineering,
June 1991
University of Pune at
Pune, India

M.S., Civil Engineering,
May 2007
Wayne State University
At Detroit, Michigan

CERTIFICATIONS

Registered Engineer
R.C.E # 81443

PROFESSIONAL PRACTICE

THE HOLT GROUP, INC.
El Centro, California
August 2007 - Present

**SUGAM
CONSTRUCTION, LTD**
Long Beach, California
August 1991 – May
2003

GENERAL QUALIFICATIONS

Mr. Patel has completed a variety of Civil Engineering Projects over the past thirty-four (34) years. Mr. Patel has assisted with project design, bidding, construction management and surveying phases of projects. Mr. Patel has completed construction management services for numerous Street and Roadway improvement projects. Mr. Patel was the Resident Engineer for the Heber Public Utility District 1.2 Million Gallon Per Day and 10 Million Dollar Wastewater Treatment Plant Improvement Project completed in 2013. Mr. Patel was the Resident Engineer for the 4 million gallon per day, 8.3 Million Dollar Heber Public Utility District Water Treatment Facility Expansion Project completed in 2017. Mr. Patel was the Resident Engineer for the 20 Million Dollar Wastewater Treatment Plant Upgrade Project completed for the City of Imperial in 2022.

RELEVANT EXPERIENCE

Mr. Patel completed the Assistant Resident Engineering for the Heber Public Utility District 2 MGD Water Treatment Plant Expansion. Mr. Patel was present at the project site on a daily basis until the project's completion. The project increased the Heber Public Utility District Water Plant Capacity from 2 Million Gallons per Day to 4 Million Gallons per Day. The \$8,500,000 project was funded by the State Revolving Fund through the State of California Water Resources Control Board, Division of Drinking Water. The Holt Group assisted with the SRF Administrative work associated with this project.

The Water Treatment Plant Expansion including installing a new 2 MGD filtering facility and the associated chemical systems and inlet and outlet piping and automated valves. A new sedimentation/coagulation system with associated chemical pumps, tanks, and piping was constructed at to accept the raw water at the upstream end of the plant and reduce the sediment in the raw water. New pipe sections were installed between the sedimentation ponds and new 2 MGD Filter. The two (2) existing MGD filters were refurbished. New clear water transfer pumps were installed. Two (2) of the existing steel reservoirs were refurbished and coated. A new TTHM (disinfection byproduct) removal system was installed in the concrete reservoir. A new SCADA system was installed. The existing Power Generator Set for the Water Treatment Plant was installed. A new high service pump

station to convey the water into the HPUD water distributed system was installed and similar improvements were completed.

Mr. Patel completed the daily construction logs, coordinated geotechnical testing, coordinated structural engineering inspections, assisted with the review of the contractors payment request forms, completed submittal reviews, completed RFI reviews, answered questions from the contractors and subcontractors, completed daily inspection work, assisted with the completion of the Operation and Maintenance Manuals, assisted with the start-up of the water treatment plant units, assisted with the completion of the weekly project meeting memorandums and similar items.

Todd Richardson, E.I.T.

ASSISTANT PROJECT ENGINEER / ASSISTANT RESIDENT ENGINEER

EDUCATION

B.S., Civil Engineering,
June 2013
California State
Polytechnic University,
Pomona
Pomona, California

CERTIFICATIONS

Registered Engineer In
Training (EIT),
California
Certificate No. 149607

**PROFESSIONAL
PRACTICE**

THE HOLT GROUP, INC.
El Centro, California
February 2014 -
Present

**SOUTHLAND
GEOTECHNICAL**

El Centro, California
November 2005 – June
2007

GENERAL QUALIFICATIONS

Mr. Todd Richardson obtained a Bachelor of Science degree in Civil Engineering from California State Polytechnic University, Pomona. Mr. Richardson has eleven years of experience in the civil engineering construction management field at The Holt Group, Inc. He has completed surveying activities, assisted with preparing engineering studies, and has provided construction management and design services for various types of civil infrastructure projects including water and wastewater treatment plants, pump stations, retention basins, water, sewer and stormwater pipelines and street infrastructure.

RELEVANT EXPERIENCE

City of Calipatria – Wastewater Treatment Plant Improvement Project

Mr. Richardson was the onsite assistant resident engineer and was responsible for assisting with the construction management services. The construction management services include coordination with the contractor, review of construction activities, submittal review, processing of payment requests and change orders, responding to request for information forms (RFIs), generating daily construction reports, monitoring project activities, assisting in coordinating electrical inspections and instrumentations and electrical control equipment activities and updating the client and grant agency regarding the project status.

Palo Verde County Water District – North Bolted Tank Replacement and Filter Installation Project - Phase II

Mr. Richardson is currently the onsite resident engineer and is responsible for assisting with the construction management services. The construction management services include coordination with the contractor, review of construction activities, submittal review, processing of payment requests and change orders, responding to request for information forms (RFIs), generating daily construction reports, monitoring project activities, assisting in coordinating electrical inspections and instrumentations and

instrumentation and electrical control equipment activities and updating the client and grant agency regarding the project status.

City of Imperial– Claypool Force Main and Waterline Improvements

Mr. Richardson was the onsite assistant resident engineer and was responsible for assisting with the construction management services. The construction management services included coordination with the contractor, review of construction activities, verification of pipeline grades and alignment, submittal review, processing of payment requests and change orders, responding to request for information forms (RFIs), generating daily construction reports, updating the client on the project status and progress, assisting in coordinating the completion of as-built drawings and similar project close-out items.

4. CLIENT REFERENCES

<p><u>Mr. Nick Wells</u> City Manager City of Holtville 121 West Fifth Street Holtville, CA 92250 Tel: 760/356-2912</p>	<p><u>Ms. Madeline Dessert</u> General Manager Heber Public Utility District 1078 Dogwood Road Heber, CA 92249 Tel: 760/482-2440</p>
<p><u>Ms. Laura Gutierrez</u> City Manager City of Calipatria 125 North Park Avenue Calipatria, California 92233 Tel: 760/348-4141</p>	<p><u>Mr. John Gay, P.E.</u> Public Works Director County of Imperial 155 S. State Street El Centro, California 92243 Tel: 760/482-4462</p>

5. PROJECT EXPERIENCE



Client: City of Holtville

Project Name: Water Treatment Plant Improvement Project

Year: 2017-2023

Project Team: Juny Marmolejo and Todd Richardson

Description: The Holt Group provided design, bidding, and construction management services for the City of Holtville Water Treatment Plant Improvement Project. The project consisted of the recoating of the deteriorated condition of the existing 2.4 MG Water Storage Tank's interior walls; installation of a Trihalomethane Removal System within the 2.4MG Water Storage Tan to reduce trihalomethanes, a disinfection by-product, within the distributed potable water; installation of a baffle system within the 1.5 MG Water Storage Tank to increase the disinfection process' chlorine contact time; installation of new finished water piping to allow the water storage tanks to operate in series; installation of a shade structure over the clarifier/mix media filters to deter algae growth within the open tank; the replacement of two (2) outdated emergency standby generators; and replacement the electrical and instrumentation controls of the water treatment plant's various processes. Comprehensive construction management services included the following: administration of the pre-construction meeting and preparing the pre-construction conference agenda and memorandum; chairing weekly meetings with the Contractor, City, Utility Purveyors, and Geotechnical Consultants and preparing the weekly meeting memoranda; submittal reviews; RFI review; coordination with design engineer and City to address RFI responses; review, coordination and negotiation of change orders; review and approval of payment requests; monitoring of safety conditions at the project site; monitoring of construction activities on a full time basis including the preparation of daily construction activity logs; coordination of geotechnical testing services; monitoring of the project schedule; completion of labor compliance services; monitoring of traffic control requirements; completion of project close out; and completion of as-built plans.



Client: City of Imperial

Project Name: Wastewater Treatment Plant Upgrade Project

Year: 2020 - 2022

Project Team: Sameer Patel

Description: The Holt Group provided Resident Engineering and Construction Management Services for the City of Imperial Wastewater Treatment Plant (WWTP) Upgrade Project. The project consisted of the existing WWTP to a 3.0 MG Capacity WWTP Upgrade which included demolition of existing aeration basins; installation of new Membrane Bio-Reactor (MBR) Basins and new MBR System for bio-treatment of wastewater complete with waste activated sludge pumps, blowers, air compressors, monorail crane and associated appurtenances; construction of new pre-engineered MBR Building including offices spaces and lab facility; construction of new pre-engineered Dewatering Building with new Dewatering System, monorail crane and associated appurtenances; installation of new emergency standby generator and new electrical transformer, main breaker, and automatic transfer switch; civil and yard piping; and replacement of the electrical and instrumentation controls including new SCADA for the entire wastewater treatment plant's various processes. Comprehensive construction management services included the following: administration of the pre-construction meeting and preparing the pre-construction conference agenda and memorandum; chairing weekly meetings with the Contractor, City, Utility Purveyors, and Geotechnical Consultants and preparing the weekly meeting memoranda; submittal reviews; RFI review; coordination with design engineer and City to address RFI responses; review, coordination and negotiation of change orders; review and approval of payment requests; monitoring of safety conditions at the project site; monitoring of construction activities on a full time basis including the preparation of daily construction activity logs; coordination of geotechnical testing services; monitoring of the project schedule; completion of labor compliance services; completion of project close out; and completion of as-built plans.



Client: Heber Public Utility District

Project Name: Water Treatment Plant Improvement Project

Year: 2016-2017

Project Team: Jack Holt, Juny Marmolejo and Sameer Patel

Description: The Holt Group completed a Preliminary Engineering Report, Design, Bidding, and Construction Management for the Heber Public Utility District's Water Treatment Plant Expansion Project.

The Holt Group drafted a Preliminary Engineering Report in 2006, which included phasing water treatment plant improvements. The third and major phase was the Water Treatment Plant Expansion. The Holt Group prepared the Water Treatment Plant Improvement Plans, Contract Documents, Special Conditions, Environmental Documentation, Technical Specifications, and Quantity and Cost Estimates in 2008. The Water Treatment Plant Expansion Plans were updated in 2011 to include improvements to remove Total Trihalomethanes (TTHMs) within the water treatment plant. The Holt Group coordinated with Heber Public Utility District, State Water Resources Control Board's Division of Drinking Water (DDW) and Drinking Water State Revolving Fund (DWSRF) to obtain a regulatory review and grant/loan funding for the Water Treatment Plant Improvements. Upon regulatory approval from DDW and DWSRF, The Holt Group administered the Bidding Services for the Water Treatment Plant in 2015. The Holt Group is providing Construction Management services since award in January 2016. Construction was awarded in the amount of \$8,100,000.

The improvements will expand the treatment and capacity of potable water from 2 million gallons a day to 4 million gallons a day. The improvements include construction of a static mixer facility to assist in water conditioning, construction of a larger raw water pump station, construction of a new clarification/filter treatment unit, expansion of a finished water pump station, placing 3 potable water storage tanks in series, placing a storage tank into a baffled chlorine contact tank, replacement of a chlorine disinfection system, installation of a TTHM removal system in storage tank, installation of a backwash decant pump station, conducting grading and stormwater improvements, installation electrical/instrumentation improvements, and update to SCADA system.



Client: City of Calipatria

Project Name: Wastewater Treatment Plant Improvement Project

Year: 2016 - 2021

Project Team: Juny Marmolejo and Mr. Todd Richardson

Description: The Holt Group provided Resident Engineering and Construction Management Services for the City of Calipatria Wastewater Treatment Plant Improvement Project. The project consisted of improvements to the existing 1.7-million-gallon capacity wastewater treatment plant. The improvements included the following major scopes of work. The installation of a new sewer lift station with upstream gravity pipelines and downstream forcemain pipelines. The replacement of a new HDPE Liner for aeration pond no 2, which required the draining of the pond and continuous bypass of the sewer treatment system with temporary pumping and piping. The installation of new chlorination and dichlorination disinfection system with automated controls. And Installation of new magnetic flowmeter with bypass pipeline for an existing sewer forcemain pipeline. Installation of SCADA system for the alarms and operating parameters. Installation of aerator units for ponds, along with electrical wiring and motor control center electrical work.

Comprehensive construction management services included the following: administration of the pre-construction meeting and preparing the pre-construction conference agenda and memorandum; moderating of progress meetings with the Contractor and City and preparing the weekly meeting memoranda; submittal reviews; RFI review; coordination with the funding agency representatives as well as the State Water Resource Control Board's local regional representative (WWTP regulatory agency), coordination with design engineer and City to address RFI responses; review, coordination and negotiation of change orders; review and approval of payment requests; monitoring of safety conditions at the project site; monitoring of construction activities on a full time basis including the preparation of daily construction activity logs; monitoring of the project schedule; completion of labor compliance services; completion of project close out; and completion of as-built plans.



Client: Seeley County Water District

Project Name: Water Treatment Plant TTHM Improvement Project

Year: 2015-2017

Project Team: Juny Marmolejo and Todd Richardson

Description: The Holt Group completed a Preliminary Engineering Report, Design, Bidding, and Construction Management for water system improvements to the Water Treatment Plant for the Seeley County Water District (SCWD). The Holt Group represented SCWD in coordination with United States Development Agency, Rural Development (USDA-RD) who funded the improvement project and State Water Resources Control Board, Division of Drinking Water (DDW) who was the regulatory agency.

The Holt Group drafted a Preliminary Engineering Report in 2015/2016, to address Total Trihalomethanes (TTHMs), a disinfection by-product, removal within the water treatment plant. The Preliminary Engineering Report included various options of removal along with a recommended option. The Holt Group prepared the Water Treatment Plant Improvement Plans, Contract Documents, Special Conditions, Environmental Documentation, Technical Specifications, and Quantity and Cost Estimates in 2016. The Holt Group provided the Bidding and Construction Managements services in 2017.



Client: Heber Public Utility District

Project Name: Wastewater Treatment Plant Improvement Project

Year: 2015

Project Team: Jack Holt, Juny Marmolejo and Sameer Patel

Description: The Holt Group completed the Preliminary Engineering Report, Design, Bidding, and Construction Management for the Heber Public Utility District's Wastewater Treatment Plant Expansion Project. The Project also required coordination with the California Regional Water Quality Control Board.

The Holt Group drafted a Preliminary Engineering Report in 2008. The Holt Group prepared the Wastewater Treatment Plant Improvement Plans, Contract Documents, Special Conditions, Environmental Documentation, Technical Specifications, and Quantity and Cost Estimates in 2010. The Holt Group coordinated with Heber Public Utility District, California Regional Water Quality Control Board (CRWQCB) and Clean Water State Revolving Fund (CWSRF) to obtain regulatory review and grant/loan funding. Upon regulatory review and approval from CWSRF, The Holt Group administered the Bidding Services for the Wastewater Treatment Plant in 2011.

The Holt Group provided Construction Management services from November 2011 to April 2013. Construction was awarded in the amount of \$10,100,000.

The improvements expanded the treatment and capacity of the wastewater treatment plant from 0.8 million gallons per day to 1.2 million gallons per day. The improvements include rehabilitation of an influent pump station, construction of a headworks facility with automatic screens, grit removal facility, and pump station, construction of an STM Aerotor activated sludge biological treatment process, construction of two (2) new secondary clarifiers, construction of an ultraviolet disinfection system, rehabilitation of secondary clarifiers to digesters, construction of a dewatering unit, conducting grading and stormwater improvements, installing electrical/instrumentation improvements, and update to SCADA system.

6. APPROACH TO SATISFYING THE SCOPE OF WORK AND SCOPE OF SERVICES

The Holt Group specializes in Water and Wastewater projects as evidenced by the project list and projects referred to in the Staff Resumes. The Holt Group is currently actively completing a Wastewater Treatment Plant Preliminary Engineering Report (PER) for the County of Imperial Gateway of the Americas, providing Construction Management Services for the Gateway of the Americas Water Treatment Plant Upgrade Project, providing Construction Management Services for the Niland Wastewater Treatment Plant and Collection System Improvement Project, providing Construction Management Services for the City of Calipatria Delta Street Sewer Pump Station Improvement Project, providing Construction Management Services for the City of Westmorland Water Treatment Plant Filter Replacement Project, providing Bidding and Construction Management Services for the City of Westmorland Water Distribution Pipeline Replacement Project, and the Design Services for the City of Imperial Wastewater Treatment Plant Demolition Project. The Holt Group has over 40 years of experience in designing, bidding and construction managing water and wastewater related projects. We are confident in our ability to deliver high quality Construction Management Services to the City of Westmorland for the Water Treatment Plant Improvement Project.

Most Water and Wastewater Projects require a study be completed prior to the commencement of design services. The studies provide the design criteria, capacity requirements, scope of work, project costs and project schedule, as a minimum. Agencies providing funding for projects require Preliminary Engineering Reports (PER's) with a comprehensive list of items to be included in the report. The items required for Preliminary Engineering Reports include population studies, community public hearings, a complete assessment of the existing condition of a water or wastewater treatment plant, the financial aspects for the funding and expenses of the water or wastewater facility (including service connections, current annual income, rate structure, operation and maintenance costs, debts and reserves, operational budget, capital needs and possibly a rate study), aging infrastructure, life cycle costs, staffing level and training needs, proposed improvements and alternatives, land availability, cost estimates, schedules and many other items.

Engineering design of Water and Wastewater Projects occur after the study phase is completed and the scope of work, design criteria, capacity, budget and schedule are clearly defined. Initial survey work is required to be completed prior to the commencement of the designs. For water and wastewater plants, pump stations and similar infrastructure it is important that the project boundary and property lines be accurately defined and that easements or right of ways within or along the exterior of the boundaries be defined. Utility research is required during the initial design stages to define utility availability, identify utility upgrades and identify utility conflicts. Geotechnical work is also required at the initial stages of a water and wastewater project. The depth of the groundwater table is of particular importance. Dewatering is expensive and excavations made without dewatering are unsafe. It is important the water table beneath ponds in the vicinity of deep structures or along pipelines be defined and illustrated on the plans.

Water and Wastewater projects require a large number of design review meetings with the City, plant operators, sub-consultants, utilities, State of California Water Board, State of California Regional Water Control Board and other effected agencies to review the on-going project design, address design related problems and refine the plans and specifications. The Design Engineer requires more involvement in the bidding phase of water and wastewater projects due the more technical nature of these projects. The Design Engineer's assistance with Construction Support Services is more intense, especially with regard to Submittal Review, RFI's and meeting attendance. The Design Engineer is also more deeply involved with start-up issues and possibly the preparation of a water treatment plant or wastewater plant required operations plan.

Water and Wastewater pipeline projects require that easements and right of ways are reviewed at the commencement of the project. Easements which must be acquired are to be identified during the Engineering Study Phase. Easements are to be secured prior to commencing construction. Temporary Construction Easements may also need to be obtained. It is important that the water table depths along the pipeline be identified during the study or initial design phases. Piezometers placed along the length of the pipelines accurately determine the depth of the water table and allow fluctuations in the water table to be monitored during the design, bidding and construction phase of the project. A geotechnical report should be prepared during the study phase of the project and include backfill and dewatering requirements. The recommendation for disposal of groundwater from dewatering operations should be included on the plans or specifications. Utility research and the accurate illustration of utilities on the plans are important. Utility conflicts require identification during the design phase. Plans should be forwarded to Utility Companies during the design phase for utility comment. Traffic Control is a major issue with water, sewer or storm water pipelines which extend for long distances with street and roadway areas. The Holt Group completes the required traffic control plans and includes the traffic control plans with the overall plan documents. Encroachment Permits are often required for pipeline projects and the Encroachment Permit applications and plan checks should be completed during the project design with the encroachment permit requirements and fees included in the Special Conditions of the Specifications to allow the contractor to include the costs in the bid forwarded to the City. For major pipeline projects extending long distances it is recommended that the Special Conditions section include a sequence of events. A sequence of events allows for the orderly installation of the pipelines and requires given pipeline sections be completed prior to other pipeline sections being installed. This is important to control the extent of the street system which is affected during the pipeline installation process.

The Holt Group, Inc.'s approach to managing and completing any type of construction-related project is to be as thorough and accurate as possible. The Holt Group's Engineering Staff will be present at the project site on a full-time and continuous basis to ensure that infrastructure improvements are being constructed in accordance with the improvement plans, specifications and any applicable permits. The Holt Group's Engineering Staff will monitor every aspect of the construction activities taking place and will work diligently to ensure that the project remains on or ahead of schedule. The Holt Group will monitor the project costs and inform the City of Westmorland if project budget exceedances become apparent. The Holt Group's Engineering

Team will maintain daily contact with the City of Westmorland representatives and keep them abreast of ongoing activities related to the project. The Holt Group's Engineering Staff will prepare daily construction activity reports and forward the reports to the City of Westmorland daily. The Holt Group's Engineering Staff will also monitor the quantities of materials utilized at the site daily to monitor project costs. The Holt Group's Engineering Staff will also coordinate and chair weekly construction progress meetings with the City of Westmorland and Contractor to review ongoing construction activities. If issues of great significance occur, The Holt Group's Engineering Staff will immediately contact the City of Westmorland to review the issue at hand and work diligently to arrive at a resolution to the problem. The Holt Group Engineering Staff will also closely monitor safety provisions, potential conflicts, and contractor labor related matters to ensure that the Contractor and Subcontractors are adhering to the required wage rates and state regulations. If selected, The Holt Group, Inc. will maintain continuous contact with the City of Westmorland, so the condition of the project is known at any given time.

The following is a list of services that will be provided to the City of Westmorland in accordance with the Request for Qualifications (RFQ) and The Holt Group, Inc., general bidding support and construction management practices:

1. Review of Bid Set Documents – Review the Improvement Plans, Project Specifications, and all applicable reports to gain a thorough understanding of project. Notify the City of Westmorland of all design related issues prior to the Bid Opening for the project to avoid increased bid costs and/or change orders during construction.
2. Coordination with Bidders – Assist the City of Westmorland with coordinating with prospective bidders and material suppliers throughout the bidding phase of the project.
3. Review of Bidders Questions and Issuance of Addenda – Assist the City of Westmorland and Design Engineer with responding to Request for Information (RFI's) or Request for Clarifications (RFC's) during the bidding phase of the project. Prepare responses and issue Addenda.
4. Pre-Bid Conference - Coordinate and chair the Pre-Bid Conference. Prepare the Pre-Bid Conference Agenda and Memorandum within the required timeframes noted in the RFP. Distribute the Agenda and Memorandum to all associated parties.
5. Bid Evaluation – Attend Bid Opening with City of Westmorland. Assist the City of Westmorland with the bid review, tabulation, and evaluation to secure the lowest, responsive, and responsible bidder. Prepare letter with recommendation of award to the City of Westmorland.
6. Processing of Contract Documents – Assist the City of Westmorland with the preparation and processing of Contract Documents, including the Notice of Award,

review of bonds and insurance and coordination with City of Westmorland Attorney for formal review and approval, issuance of the Agreement, and issuance of Notice to Proceed, other tasks as required.

7. Prepare Agenda and Attendance List for Pre-Construction Conference.
8. Chair the Pre-Construction Conference with the Owner Representatives, Contractor, Design Engineer, Sub-Contractors, Material Suppliers, Utility Personnel, Plant Operators, Labor Compliance Officer and Grant/Loan representatives in attendance.
9. Prepare and Distribute the Pre-Construction Memorandum.
10. Review project submittals promptly. Contact the contractor if the submission of submittals is lagging. The first submittals are the construction schedule, itemized cost breakdown (to be used for all payment requests) and the list of submittals. These submittals are to be promptly reviewed to assist in keeping the project on schedule.
11. Complete a Daily Activity List each day. The Daily Activity List is to be issued before 8:00 a.m. on the following morning. The Daily Activity List shall include a distribution list, weather, list those present at the project site, the hours and time period the construction staff worked, list of equipment at the project site, describe the construction activities which occurred at the site, include project photos, note the materials or equipment delivered to the project site and include a "other events" section to note special or unusual project events on a particular day.
12. Monitor and confirm that the work completed at the project site is in conformance with the approved plans, specifications, applicable State and Federal codes and regulations, agency permit requirements and conditional use permit requirements.
13. Monitor material and equipment deliveries and placement at the project site. Check to confirm the materials and equipment comply with the approved submittal documents for that material or equipment. This is especially important if the owner is paying for material on a unit price basis.
14. Verify the trench grade, top of pipe bedding grade and the top of pipe for every length of pipe placed and require the pipe segments to be placed within design tolerance.
15. Ensure that all traffic control is in place prior to the commencement of construction activities.
16. Ensure that a pipe trench submittal has been reviewed and approved, if required by the plans and specifications, prior to the commencement of construction activities.

17. Ensure all required pressure and disinfection testing has been satisfactorily completed prior to allowing the pipeline to be activated for service.
18. Monitor the safety requirements for the project daily.
19. Maintain an Inspector or Resident Engineer at the project site on a full-time basis.
20. Promptly review Request for Information documents (RFI's) forwarded by the contractor. Coordinate with the Client, Design Engineer and Funding Agencies prior to the issuance of RFI responses, as required.
21. Monitor the Geotechnical Testing requirements at the project site. If the Geotechnical Engineering is provided by the Contractor confirm that the required Geotechnical Testing is occurring per the plans and specifications. If the Geotechnical Testing is being provided by the Owner then coordinate and monitor the Geotechnical Testing at the Project Site including the time spent at the project site by the Geotechnical Personnel and the associated fees charged to the Client by the Geotechnical Testing Firm.
22. Monitor the project survey work and construction staking. Confirm the survey work and construction staking is being completed in accordance with the plans and specifications. If the survey work and construction staking is provided by the Owner, then coordinate and monitor the survey work and staking completed at the project site and review the associated fees charged to the Client by the Surveyor/Staking Firm.
23. Monitor and coordinate structural engineering inspections if required.
24. Monitor and Confirm that Labor Compliance Monitoring is occurring throughout the project construction period.
25. Monitor and coordinate electrical and instrumentation engineering inspections and start up.
26. Assist in monitoring and coordinating building department inspections for project building structures. Monitor that Building Permit Applications have been submitted and Building Permits have been secured. Assist and monitor inspection scheduling. Assist and monitor that the Building Occupancy Permit is secured and issued.
27. Assist in coordinating and preparing documentation on behalf of the client involving utilities. Coordination may involve meetings at the utility companies or project site,

coordinating the preparation of applications for utility services and connections on behalf of the client, monitoring and coordinating payments by the client to the utility company for applications and services, coordinating and monitoring the preparation of field drawings for utility services and connections, monitoring the utility company schedules for providing and connecting utility services and coordinating the utility company services and connections with the contractor.

28. Conduct periodic meetings during the construction period. The Resident Engineer or Inspector will be responsible for preparing and distributing the meeting agenda, chairing the meeting and preparing and distributing the meeting memorandum to all pertinent parties within 48 hours after the meeting occurs.
29. Coordinate with the Clients and Funding Agencies Staffs on a regular basis. Review that funding agency requirements are being satisfactorily completed. Review the project schedule, problems, payment status, change orders, State Water Board monitoring and review status and other issues.
30. For water and wastewater plants coordinate with the plant operators regarding the minimization of construction activity impacts to daily plant operations. Any requirements for water outages are to be identified at the beginning of the project and coordinated with the Client Project Representatives, Operators, State Water Board, Health Department, Contractor, Water or Wastewater Users and Public. Assist the Client with contacting the State Water Board, Health Department and distributing water outage notices as required.
31. Review the Contractor's Monthly Payment Requests prior to forwarding the payment requests to the Client for review and processing.
32. Assist the Client in preparing the Grant/Loan reimbursement forms. Maintain contact with the Grant/Loan agencies and monitor the processing of the payment reimbursements to the Client. If additional information or clarifications are required by the Grant/Loan agency promptly respond to the requests to delay holding up the payment reimbursements.
33. Review change order requests submitted by the Contractor. Review the Change Order requests with the Client and Grant/Loan Agency prior to responding to the Change Order request.
34. Monitor that As-Built Changes noted during the construction process are recognized and placed on the field "As-Built" drawings each day construction occurs. Monitor and confirm that the Contractor forwards the field "As-Built" drawings to the Design Engineer for the preparation of the formal "As-Built" Drawings at the conclusion of the construction period.

35. Monitor the Air Pollution Control District (APCD) requirements and confirm the contractor is complying with APCD requirements.
36. Monitor the requirements of the Storm Water Pollution Prevention (SWPPP) and confirm the contractor is complying with the SWPPP Best Management Practices (BMP) requirements.
37. Monitor and confirm that Conditional Use Permit requirements are being observed or completed during the project construction period.
38. Monitor and confirm that the contractor is complying with agency (Caltrans, IID, etc) encroachment permit requirements during the project construction period.
39. Coordinate and assist in the startup of pump stations, water treatment plants and wastewater treatment plants. Assist in coordinating with the Contractor the presence of equipment suppliers and technicians, electrical instrumentation technicians, plant operators and all other pertinent parties at start-up activities. Some equipment and instrumentation (such as the SCADA system) require operator training by the equipment supplier. The Resident Engineer shall coordinate and schedule the equipment and instrumentation training classes. The Resident Engineer shall attend the training classes. The Resident Engineer shall log all testing, start-up and commissioning activities.
40. The Resident Engineer shall assist the operators in completing a list of equipment alarms to be monitored by the new or updated SCADA system. The State Water Board requires the alarms to be reviewed and approved by the State Water Board.
41. If authorized by the Client, the resident engineer shall assist or prepare an updated Water or Wastewater Operation Plans as required by the State Water Board.
42. The Resident Engineer is to maintain orderly files at the project site for correspondence, reports, meeting memorandums, reproductions of original contract documents, change orders, field orders, request for information forms, work change directives, survey records including level notes and cut sheets, addendum(a), SWPPP including BMP's, Conditional Use Permit, Encroachment Permits, Easements pertaining to the project, daily construction reports, progress reports, submittal documents including shop drawings, contractor payment requests, client reimbursement forms, Water Board Correspondence, Grant/Loan Funding agency correspondence, manufactures operation and maintenance manuals, Notice of Completion and all other project records. Upon completion of the work, the Resident Engineer is to furnish an original set of the project documentation to the Client in hard copy and electronic form.

43. Prepare the Operation and Maintenance Manual for Wastewater and Water Treatment Plants and Pump Stations.
44. Coordinate and attend the pre-final project inspection with the Contractor, Client, Operators, Design Engineer and all other pertinent parties. Prepare and distribute a pre-final list of items to be completed prior to the scheduling of the final inspection.
45. Coordinate and attend the final project inspection with the Contractor, Client, Operators, Design Engineer and all other pertinent parties. Prepare and distribute a list of final completion items (Punch List). The Punch List shall include any deficiencies to be remedied prior to the full acceptance of the project by the Client.
46. The Resident Engineer shall observe and confirm that the completion of all punch list items including any project deficiencies have been satisfactorily completed.
47. Assist in determining when the project is substantially complete (functioning according to its intended purpose). Assist the Client in the preparation of the Notice of Completion and filing of the Notice of Completion at the County Recorder's Office. Distribute recorded copies of the Notice of Completion to the Client, Grant/Loan Agency, Contractor and all other pertinent parties.
48. Prepare close out documentation required by the Grant/Loan Agency, Client, Building Department, Agency Encroachment Permits and project specifications.
49. Monitor that Labor Compliance documents have been completed and forwarded to the Client at the conclusion of the project.
50. Monitor the Operation of Water and Wastewater Treatment Plants and Pump Stations after the filing of the Notice of Completion and acceptance of the Project by the Owner. Respond to any warranty issues that may occur during the project warranty period. Contact the Contractor regarding the warranty issues and follow up to confirm the contractor has satisfactorily addressed the warranty issues.

Cost Proposal - City of Westmorland - Construction Management Services for the Water Treatment Plant Improvements Project

Item No.	Task Summary	Hours by Holt Group Staff Type				Total Hours	Holt Group Labor Costs	Sub - consultants	Reimbursable Expenses	Total
		Resident Engineer	Assistant Resident Engineer	Labor Compliance						
				Monitor						
1	Engineering/Bidding Support Services	160	120		280	\$ 38,400			\$ 38,400.00	
2	Pre-Construction Conference	16	24		40	\$ 5,280			\$ 5,280.00	
3	Submittal Review	60	60		120	\$ 16,200			\$ 16,200.00	
4	Weekly Construction Progress Meetings and Memorandum Preparation	136	68		204	\$ 28,560			\$ 28,560.00	
5	Full Time Resident Engineering and Construction Inspection Services and Preparation of Daily Construction Reports	680	2,720		3,400	\$ 428,400			\$ 428,400.00	
6	Labor Standards Compliance Services				0	\$ -	\$ 30,000		\$ 30,000.00	
7	Review and Processing of Payment Applications	288	108		396	\$ 56,160			\$ 56,160.00	
8	Request for Change Orders and Requests for Information (RFI)	120	180		300	\$ 39,600			\$ 39,600.00	
9	Start-Up and Training Coordination, Pre-Final Inspection and Punch List	40	80		120	\$ 15,600			\$ 15,600.00	
10	Construction Closeout Coordination and Documentation	40	80		120	\$ 15,600			\$ 15,600.00	
11	As-Built Notes Coordination	8	16		24	\$ 3,120			\$ 3,120.00	
12	Geotechnical Testing				0	\$ -	\$ 40,000		\$ 40,000.00	
13	Preparation of Operations Plan	60	120		180	\$ 23,400			\$ 23,400.00	
Project Total		1,608	3,576	0	5,184	\$ 670,320	\$ 70,000	\$ -	\$ 701,920.00	

Note: This cost proposal is for an anticipated 480 calendar day of construction.

CITY OF WESTMORLAND

REPORT TO CITY COUNCIL

MEETING DATE: April 16, 2024

FROM: Laura Fischer, Manager

SUBJECT: Award the engineer of record contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to Psomas in the amount of \$216,500.

ISSUE: Award the engineer of record contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to Psomas in the amount of \$216,500?

General Manager's Recommendation:

Award the engineer of record contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to Psomas in the amount of \$216,500.

FISCAL IMPACT:

The Expedited Drinking Water grant includes the Water Treatment Plant Improvement Project for TTHM compliance project, and the Construction Management costs are an eligible reimbursable expense. The table below shows the estimated project cost breakdown.

ITEM	DESCRIPTION	TOTAL ESTIMATED COST	PROJECT FUNDING AMOUNT
A	Construction	\$7,714,537	\$7,714,537
B	Pre-Purchased Material / Equipment	\$0	\$0
C	Real Property / Easement Acquisition	\$0	\$0
D	Change Order Contingency	\$701,322	\$701,322
E	Force Account	\$0	\$0
F	Allowances (Soft Costs)		
	Planning	\$0	\$0
	Design	\$0	\$0
	Construction Management	\$925,000	\$925,000
	Engineering Services During Construction	\$200,000	\$200,000
	Administration	\$150,000	\$150,000
H	Conditional Costs (\leq 30% of total project cost, i.e., sum of items A-G)	\$828,964	\$828,964
	TOTAL	\$10,519,823	\$10,519,823

DISCUSSION:

The State of California entered into an agreement with Psomas to engineer and design the improvements to the WTP. The plans and specifications are 100% complete and approved by the State Water Board and city staff. Since the plans were prepared under contract with the State it is necessary for the City to enter into a contract with Psomas to continue to work with the city to ensure the construction project is completed to the engineers plans and specifications, addressing any request for information, complications that may arise or additional changes.

The City of Westmorland submitted a Request for Qualifications for the engineering services for this project so that the city Council and staff can continue to use Psomas as our engineer of record for the project. Their RFQ response and is attached to this report.

CONCLUSION:

It is recommended that the Westmorland City Council Award the engineer of record contract for the EDWG Water Treatment Plant Improvement Project for TTHM compliance project to Psomas in the amount of \$216,500.

ALTERNATIVES:

- 1) Do not adopt award the contract for engineer of record. This action may cause delays in the project completion date.
- 2) Provide alternative directions to staff.

Respectfully Submitted,
Laura Fischer, Manager

Attachments: RFQ and Cost Psomas

April 9, 2025

Ms. Laura Fischer
City Manager
City of Westmorland
355 South Center Street
Westmorland, CA 92281

Subject: Westmorland Water Treatment Plant Improvements Bid & Award and Construction Phase Engineering Services

Dear Ms. Fischer:

Thank you for this opportunity to provide our scope of services for Engineering Bid and Award, and Construction Support Services for the Westmorland Water Treatment Plant Improvements Project.

Tasks are described below for this project:

SCOPE OF SERVICES

Task 1.0 Project Management and Meetings

- 1.1- Provide project management including budgeting, staffing, invoicing, and coordination between Psomas and City staff.
- 1.2- Attend weekly construction progress meetings (estimated 52 meetings) throughout the 365-calendar day construction duration. Meeting attendance will be remotely using telephone or video conferencing technology.
- 1.3- Provide subconsultant services such as invoice review, accounting updates and technical support.

Task 2.0 Site Visits

- 2.1- Conduct periodic site observations as requested by the City or the construction manager to confirm that the work is proceeding in accordance with the design per the Construction Documents and Specifications (estimate 6 site visits).

Task 3.0 Bid Phase Engineering Support

- 3.1- Front End documents- Prepare front end documents and bid schedule for the bid package.
- 3.2- Pre-Bid Meeting- Attend Pre-Bid Meeting and prepare meeting minutes.

401 B Street
Suite 1600
San Diego, CA 92101-4239

Tel 619.961.2800
Fax 619.961.2392
www.Psomas.com

Ms. Laura Fischer
Westmorland Water Treatment Plant Improvements
City of Westmorland
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- 3.3-- Job Walk- Attend Pre-Bid job walk.
- 3.4- Respond to Bidder RFIs- Answer questions asked by bidders during the bid phase.
- 3.5- Addenda- Prepare up to 2 addenda to the bid documents.
- 3.6- Bid Evaluation Support- Answer questions asked by the City during the bid evaluation and assist in making a recommendation for award.

Task 4.0 Shop Drawing, Submittal, and RFI Review

- 4.1-Review and respond to up to one hundred (100) shop drawing submittals and resubmittals for conformance with the referenced construction documents and specifications.
- 4.2- Review and respond to up to one hundred (100) Requests for Information (RFIs).
- 4.3- Coordinate with the City's Project Manager and Construction Management Team during the review of the referenced construction submittals and RFIs to provide responses in a timely manner.
- 4.4- Coordinate electrical subconsultant review of shop drawing submittals, and RFIs.
- 4.5-Review proposed construction changes from the construction manager or as related to the site observations and provide technical advice.
- 4.6-Review Contractor and City requested field change orders.

Task 5.0 Start-up and Testing

- 5.1- Assist the Construction Manager in responding to RFI's related to start-up and testing.
- 5.2- Assist the Construction Manager in reviewing the start-up and testing plan.
- 5.3- Provide one (1) site visit to support start up and testing.

Task 6.0 Final Walk Through and Punchlist Item Review

- 6.1- Attend the project job site final inspection and job walk.
- 6.2- Provide input to the punch list items to the Construction Manager to incorporate into the final punch list.

Task 7.0 Preparation of Final Record Drawings

- 7.1- Record drawings will reflect red lines provided by the construction manager. Bubble and note changes on Record Drawings. Coordinate final record drawing review with the City and the Construction Manager.
- 7.2- Deliverable- Record Drawing CADD Files.

Task 8.0 Additional Services Allowance

- 8.1- Psomas has included a \$10,000 allowance to be used at the City's direction on Bid and Construction Phase Support Services.

Fee Estimate

Psomas' fee for this scope of work is \$216,500. Please see the attached fee estimate for a detailed breakdown.

Ms. Laura Fischer
Westmorland Water Treatment Plant Improvements
City of Westmorland
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Exclusions

The following items are excluded from the scope and fee:

- Construction support services for claims and disputes.
- Change Order disputes.
- Time and Material Services exceeding the allocated hours herein.
- Value engineering.
- Construction survey and staking.
- Material testing and inspection services.

We look forward to completing this important project and working with the City Team.

After your review, please feel free to contact us with any questions.

Sincerely,

P S O M A S



Sarah Curran, PE
Vice-President



Marc Weinberger, P.E., BCEE
Project Manager

Ms. Laura Fischer
Westmorland Water Treatment Plant Improvements
City of Westmorland
Page 4

City of Westmorland
Water Treatment Plant Improvements
Bid & Award and Construction Phase Engineering Services
Project Budget

Task Description	Personnel Hours						Total Hours	Labor	Non-Labor (ODC + Subs)	Total
	Principal in Charge (PIC)	Senior Project Manager	Project Engineer	Civil Designer II	Sr. CADD Technician	Admin.				
Hourly Rates	\$260	\$235	\$175	\$140	\$135	\$100				
Task 1: Project Management and Meetings										
1.1 Project Management	2	24				12	38	\$ 7,380		\$ 7,380
1.2 Attend Weekly Meetings		52		13			65	\$ 14,040		\$ 14,040
1.3 Subconsultant Services	1	8				2	11	\$ 2,340		\$ 2,340
Subtotal Task 1	3	84	-	13	-	14	114	\$ 23,740	\$ -	\$ 23,740
Task 2: Site Visits										
2.1 Site Visits		48	8	8			60	\$ 13,170		\$ 13,170
Subtotal Task 2	-	48	6	6	-	-	60	\$ 13,170	\$ -	\$ 13,170
Task 3: Bid Phase Engineering Support										
3.1 Front End Documents		12		40		4	56	\$ 8,820		\$ 8,820
3.2 Attend Pre-Bid Meeting		8		4			12	\$ 2,440		\$ 2,440
3.3 Job Walk		1					1	\$ 235		\$ 235
3.4 RFIs		2		12			14	\$ 2,150		\$ 2,150
3.5 Electrical Engineering Support							-	\$ -	\$ 11,000	\$ 11,000
3.6 Addenda- 2		2		8	8		18	\$ 2,670		\$ 2,670
3.7 Bid Evaluation Support		6		8			14	\$ 2,530		\$ 2,530
Subtotal Task 3	-	31	-	72	8	4	115	\$ 18,845	\$ 11,000	\$ 29,845
Task 4: Shop Drawing, Submittal & RFI Review										
4.1 Submittals- 100		40		300			340	\$ 51,400		\$ 51,400
4.2 RFI s- 100		40		200			240	\$ 37,400		\$ 37,400
4.3 Coordinate with City and CM		12		12			24	\$ 4,500		\$ 4,500
4.4 Electrical Subconsultant		12					12	\$ 2,820	\$ 18,500	\$ 21,320
4.5 Review Construction Changes		8		16			24	\$ 4,120		\$ 4,120
4.6 Review Change Orders		8		8			16	\$ 3,000		\$ 3,000
Subtotal Task 4	-	120	-	536	-	-	656	\$ 103,240	\$ 18,500	\$ 121,740
Task 5: Start-up and Testing										
5.1 Assist CM in Answering Start-up RFIs		6		8			14	\$ 2,530		\$ 2,530
5.2 Review Start-up and Testing Plan		8		24			32	\$ 5,240		\$ 5,240
5.3 One Site Visit		16		8			24	\$ 4,880		\$ 4,880
Subtotal Task 5-	-	30	-	40	-	-	70	\$ 12,650	-	\$ 12,650
Task 6: Final Walk Through and Punch List										
6.1 One Site Visit		8					8	\$ 1,880		\$ 1,880
6.2 Input to Punch List		4		4			8	\$ 1,500		\$ 1,500
Subtotal Task 6-	-	12	-	4	-	-	16	\$ 3,380	-	\$ 3,380
Task 7:										
7.1 Record Drawings		4		8	40			\$ 7,460		\$ 7,460
7.2 Submit CAD Files							-	\$ -		\$ -
Subtotal Task 7	-	-	-	-	-	-	-	\$ -	-	\$ -
Task 8: Additional Services Allowance										
8.1 Allowance							-	\$ -		\$ 10,000
Subtotal Task 8	-	-	-	-	-	-	-	\$ -	-	\$ 10,000
Task 999 - Reimbursables										
Reimbursables									\$ 1,975	\$ 1,975
Subtotal Task 999 - Reimbursables	-	-	-	-	-	-	-	\$ -	\$ 1,975	\$ 1,975
Total	3	325	6	671	8	18	1,031	\$ 175,025	\$ 31,475	\$ 216,500



5250 Jackson Dr., Suite 200 | La Mesa, CA 91942 | Tel: 619.713.1400

PSOMAS
Waste & Wastewater Infrastructure
3111 Camino Del Rio North, Suite 702
San Diego, CA 92108

April 08, 2025

Attention: Marc Weinberger PE, BCEE

Subject: Proposal for Electrical and Instrumentation Construction
Administration Services for the City of Westmorland Water
Treatment Plant Upgrade

Dear Marc:

RTM ENGINEERING (RTM) is pleased to submit our fee Proposal for Electrical Engineering services for above referenced project.

Project Description:

Electrical Engineering assistance during bidding and construction administration services to include:

1. Assistance during bidding, addendums and bid reviews.
2. Submittal review and approval
3. Three Site Visits during construction
4. Punch List and review
5. Review of Control System Commissioning and Start-up Assistance.
6. As-Built Documents

Assumptions:

1. Owner or Contractor will provide Commissioning services. RTM proposal does not include commissioning of any systems.
2. All travel expenses to support (3) site visits is included.

Fees:

We propose that our compensation be fixed, per the following schedule.

Base Fee Description	Total
• Bid Support	\$11,000.00
• Construction Administration	\$18,560.00
Total	\$29,560.00

National Resources, Local Relationships

California | Colorado | Florida | Illinois | Indiana
Iowa | Kansas | Missouri | Texas | Washington | Wisconsin

rtmec.com

Additional Services:

If authorized in writing by the Owner, RTM shall furnish or obtain from others Additional Services of the following types which are not considered normal or customary Basic Services. The Owner agrees to pay for Additional Services on a time and expense or fixed fee basis in accordance with RTM's standard billing rates at the time the Additional Services are negotiated.

- A. Services resulting from significant changes in extent of the Project or its design including, but not limited to, changes in size, complexity, Owner's schedule, or character of construction, or method of financing; and revising previously accepted studies, reports, design documents or contract documents when such revisions are due to causes beyond RTM's control.
- B. Services in connection with change orders to reflect changes requested by Owner if the resulting change in compensation for Basic Services is not commensurate with the additional services rendered, services after the award of each contract in evaluating substitutions proposed by Contractor(s), and in making revisions to Drawings and Specifications occasioned thereby.
- C. Changes due to modifications by equipment Vendor.

Terms and Conditions:

- A. Statements invoiced monthly based upon percentage of work completed.
- B. Statements shall be payable within 30 days of receipt of statement. If an invoice is not paid within 90 days of its issue, Tanner Engineering may terminate this agreement.
- C. Expiration of Proposal: If this proposal is not accepted as indicated below within 16 weeks, the fee proposal will be considered void.
- D. Corporate Protection: It is intended by the parties to this agreement that RTM's services in connection with this project shall not subject Tanner Engineering's individual employees, officers or directors to any personal legal exposure for the risks associated with this project. Therefore notwithstanding anything to the contrary contained herein, the client agrees that the client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted against RTM, and not against any of RTM's individual employees, officers or directors.
- E. Ownership of Documents: All documents produced by RTM under this agreement shall remain the property of RTM and may not be used by the client for any other endeavor without the prior written consent of RTM.

- F. Site Access: Unless otherwise stated in this proposal, RTM shall have access to the project site for activities necessary for the performance of proposed services. RTM will take precautions to minimize damage due to these activities, but has not included in the proposal fee the cost of restoration of the any resulting damage.
- G. Survivability: The provisions of this agreement shall survive the completion of services and scope of services.
- H. Termination of Agreement: This agreement may be terminated at any time by either party by providing a written letter of termination to the other party. Upon termination of this agreement, we will invoice for the time and material costs accumulated up to the date of termination, not to exceed the total fee proposed above. Retainers shall be credited to the final invoice. This final invoice shall be payable as indicated above.

If this proposal meets your approval, please sign where noted below, and return a copy to our office to serve as our authorization.

Thank you for considering us for this work.

Sincerely,

William Rocky Tanner PE
Principal

Water / Wastewater Planning & Design Qualifications

CALIFORNIA

March 2025

P S O M A S

Psomas Team

Alejandro Angel, PhD, PE,
PTOE, RSP2i

Vice President and
Engineering Group Leader
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Marc Weinberger, PE, BCEE

Senior Project Manager



Kimberly Alexander, PE

Project Manager - Master
Planning/Hydraulic Modeling



Dan Flores, PE

Senior Project Engineer



Benjamin Halbach, PE,
ENV SP, NASSCO PACP,
MACP

Project Manager



Firm Overview

Founded in 1946, Psomas has grown into a full-service consulting firm of over 750 employees with 16 offices throughout California, Arizona, Washington, and Utah. Dedicated to balancing the natural and built environment, Psomas provides sustainably engineered solutions to public and private sector clients. As a full-service consulting firm, we help our clients create value by planning, designing, and delivering complex projects.

Water and Wastewater Planning and Design Experience

Psomas has considerable experience providing water and sewer planning and design services for California agencies such as the Yorba Linda Water District and the cities of Martinez, Lomita, Long Beach, Coronado, San Diego, and Anaheim. Psomas has also been providing District Engineering Services to Rossmoor/Los Alamitos Area Sewer District for the past eight years. With extensive experience in infrastructure projects, we navigate unique jurisdictional procedures and regulations.

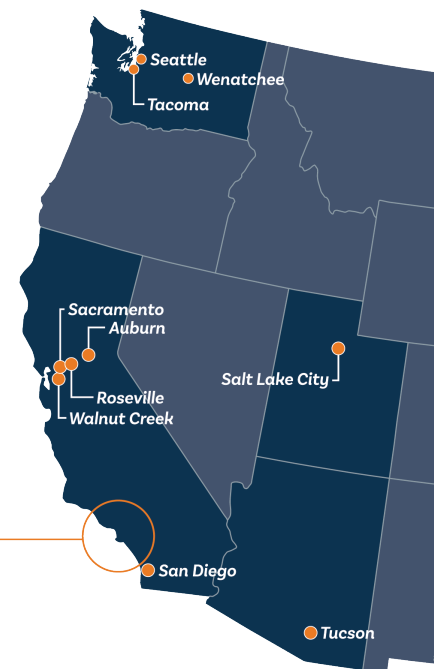
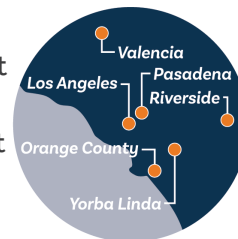
Our professionals have a deep understanding of water and sewer system complexities, providing an efficient and effective project completion. ***This makes Psomas a reliable partner for public agencies, delivering successful projects and positive community impact.***

Services


Our team brings the expertise and collaboration needed to successfully merge the many technical components of the rehabilitation, expansion and improvement of water and wastewater systems throughout the entire project life cycle (planning, design, construction and operations).

Some key services include:

- ▶ System Master Planning
- ▶ Sewer System Management Planning
- ▶ Hydraulic Analysis
- ▶ Condition Assessment
- ▶ Conveyance Design
- ▶ Pump Stations and Lift Stations
- ▶ Well Design
- ▶ Water Treatment



Project Examples

Project	Project Size	Project Cost	Completed (Year)	Engineering	Survey	Environmental
						
Water Treatment Plant Upgrades, City of Westmorland, CA	Demolish 350,000 gallon steel tank Rehabilitate 750,000 gallon steel tank Install 1 MG steel tank	\$10 million	Ongoing	●		●
Water Treatment Plant Drinking Water State Revolving Fund (DWSRF) Application - City of Westmorland, CA	Demolish 350,000 gallon steel tank Rehabilitate 750,000 gallon steel tank Install 1 MG steel tank	\$10 million	Ongoing	●		●
Southern Pump Station, Design Phase, City of El Centro, CA	2,370 LF of 14-inch PVC sewer forcemain 7,290 LF of 8-inch, 12-inch, 18-inch, and 21-inch gravity sewer, and 25 sewer manholes	\$40,920	Target 2025	●		
Integrated Water, Sewer, Storm Drain Master Plan, City of Brawley, CA	25 square miles	\$794,000	2012	●	●	●
Tecolote Canyon Trunk Sewer Improvements, City of San Diego, San Diego, CA	3.3 miles of new 15-24-inch PVC sewer	\$46 million	Ongoing		●	●
Walnut Pump Station Upgrade, City of Santa Ana, CA	3,650-square foot pump building	\$801,375	2020			●
Southern Pump Station and Sewer Pipelines, Bidding and Construction Support Phase City of El Centro, CA	1,500 GPM pump station 12,570 LF of 18-inch to 21-inch gravity sewer main	\$6.7 million	Target 2025			●
45th Street Extension Trunk Sewer, City of Palmdale, CA	10-inch and 15-inch sewers upsized to 18-inch VCP relief sewer	\$508,500 (Design Fee)	2022			●
College Area Sewer and AC Water Replacement, City of San Diego, CA	2,241 LF of new 15-inch and 18-inch gravity sewer pipeline	\$11 million	Target 2025		●	●
Lomita 2024 Sewer Master Plan, City of Lomita, CA	30,000 LF	\$160,300	Ongoing	●		●
Del Mar Water, Wastewater, and Pavement Improvements, City of Del Mar, CA	2-inch overlay	\$1.2 million	2024			●
Parker Pump Station, City of Coronado, CA	7 stormwater and 2 wastewater pumps, 42,000 GPM	\$25 million	2016			●
Rossmoor/Los Alamitos Area Sewer District - District Engineer, City of Alamitos and unincorporated Rossmoor area of Orange County, CA	341,800 SF of 8 to 18-inches of VCP sewer	\$1,017,980	2020		●	
Citywide Sewer Master Plan Update & Sewer System Condition Assessment Report, City of Palos Verdes Estates, CA	78 miles of gravity main and 4,700 LF of 6-inch ACP for 13,500 customers	\$378,865	2025	●	●	●
La Mesa FY22 Sewer Improvement Project, City of La Mesa, CA	9 manholes, 4 manhole rehabilitations, and 54 lateral connections, 2,905 feet of 8-inch sewer	\$2 million	2019			●
2020 Sewer Master Plan, Yorba Linda Water District, CA	9000 acres	\$314,622	Ongoing		●	●
Various Water/Wastewater Planning Updates, City of Brawley, CA	24-inch transmission main	\$25,000	2008			●
Water and Wastewater Improvements, Phases 1, 2, 3 and 4, City of Brawley, CA	Sewer Improvements: 7000 LF of 12" to 18" PVC Water improvements 30,000 LF of 8" to 16" PVC	\$5,800,000	2009	●	●	
Malan Transmission Main, Phases 1, 2, and 3, City of Brawley, CA	P1: 36-inch diameter PVC P2: 5000 feet of 24-inch PVC pipeline P3: 4,000 feet of 24" PVC Pipeline	\$168,268	2008	●		●
Water Reservoir Modifications and Welded Steel Airport Tank and Pipeline, City of Brawley, CA	5,000 feet of 18-inch PVC	\$4.2 million	2009	●	●	
North Rio Vista Avenue Sewer Line Rehabilitation, City of Brawley, CA	15 inches diameter of sewer line, 4,675 feet long	\$53,763	2008	●	●	●

Water Treatment Plant Upgrades

Westmorland, CA | City of Westmorland

Services Provided

- ▶ PDR and PS prepared for same project
- ▶ Water Treatment Plant upgrade
- ▶ DWSRF project
- ▶ New reservoir
- ▶ Filter improvements

The City of Westmorland (City) operates a municipal water system that supplies domestic water to approximately 501 service connections and a population of 2,444. The City's source of water supply is Colorado River water purchased from Imperial Irrigation District (IID). The system receives its raw water from the All-American Canal via the West Main, and treats the raw water through a contact clarifier that is not on the California State Water Resources Control Board (SWRCB), Division of Drinking Water's alternative filtration technology list; however, the package plant meets the turbidity performance standards for conventional filtration equivalency.

The City has performed planning and design activities via a State Revolving Fund (SRF) planning funding agreement for improvements to the City's water treatment plant, in order to address a citation for noncompliance with the MCLs for disinfection byproducts. This previous work resulted in a partial SRF Application for construction funding. The SWRCB has determined that the application is currently incomplete and requires revisions to address deficiencies. The purpose of this current Technical Assistance Request is to complete the SRF Application to the SWRCB's satisfaction in order to qualify the City for construction funding.

Psomas prepared a preliminary design report and then final design plans, specifications, and estimate for the project. Psomas also assisted in preparing the State Drinking Water Revolving Fund application for the project. Major project features included filter improvements, new 1 MG reservoir, modified 0.7 MG reservoir, washwater pumps, disinfection system improvements, and airwash piping modifications.



Water Treatment Plant Front View

PROJECT SIZE

Demolish the existing 350,000 gallon steel tank

Rehabilitate the existing 750,000 gallon steel tank

Install a new 1 MG steel tank

PROJECT COST

\$10 million

COMPLETED (YEAR)

Ongoing

Water Treatment Plant Drinking Water State Revolving Fund (DWSRF) Application)

Westmorland, CA | City of Westmorland

Services Provided

- ▶ DWSRF application
- ▶ Water Treatment Plant upgrade
- ▶ DWSRF project
- ▶ New reservoir
- ▶ Filter improvements

The City of Westmorland (City) operates a municipal water system that supplies domestic water to approximately 501 service connections and a population of 2,444. The City's source of water supply is Colorado River water purchased from Imperial Irrigation District (IID). The system receives its raw water

from the All-American Canal via the West Main, and treats the raw water through a contact clarifier that is not on the California State Water Resources Control Board (SWRCB), Division of Drinking Water's alternative filtration technology list; however, the package plant meets the turbidity performance standards for conventional filtration equivalency.

Psomas prepared a Drinking Water State Revolving Fund Loan Application on behalf of the City of Westmorland. This included the General Package, Technical Package, Environmental Package, Red Flags Worksheet and updates to the Preliminary Design Report and the Opinion of Probable Construction Cost. Psomas worked very closely with Sacramento State, the City of Westmorland and the State Department of Financial Assistance on this project.

The application was submitted and subsequently approved. The approved loan amount is \$10,500,000



Water Treatment Plant Aerial View

PROJECT SIZE

Demolish the existing 350,000 gallon steel tank

Rehabilitate the existing 750,000 gallon steel tank

Install a new 1 MG steel tank

PROJECT COST

\$10 million

COMPLETED (YEAR)

Ongoing

Southern Pump Station, Design Phase

El Centro, CA | City of El Centro

Services Provided

- Imperial County Project
- Pump station improvements
- Dewatering
- Cost estimating

Psomas is currently providing engineering bid and construction support services for the project which includes the installation of a prefabricated sewer pump station and approximately 2,370 LF of 14-inch PVC sewer forcemain, and approximately 7,290 LF of 8-inch, 12-inch, 18-inch, and 21-inch gravity sewer, and 25 sewer manholes. The work also includes the decommissioning of existing Countryside Pump Station, to be abandoned in place, and connecting the inlet to new gravity sewer. Psomas' scope of services includes project management, meetings; site visits; bid phase engineering support; shop drawing, submittal and RFI review; pre-packaged pump station shop drawing, submittal and RFI review; start-up and testing; final walk and punchlist item review; and preparation of final As-Built plans and records.



Southern Pump Station Project Site

PROJECT SIZE

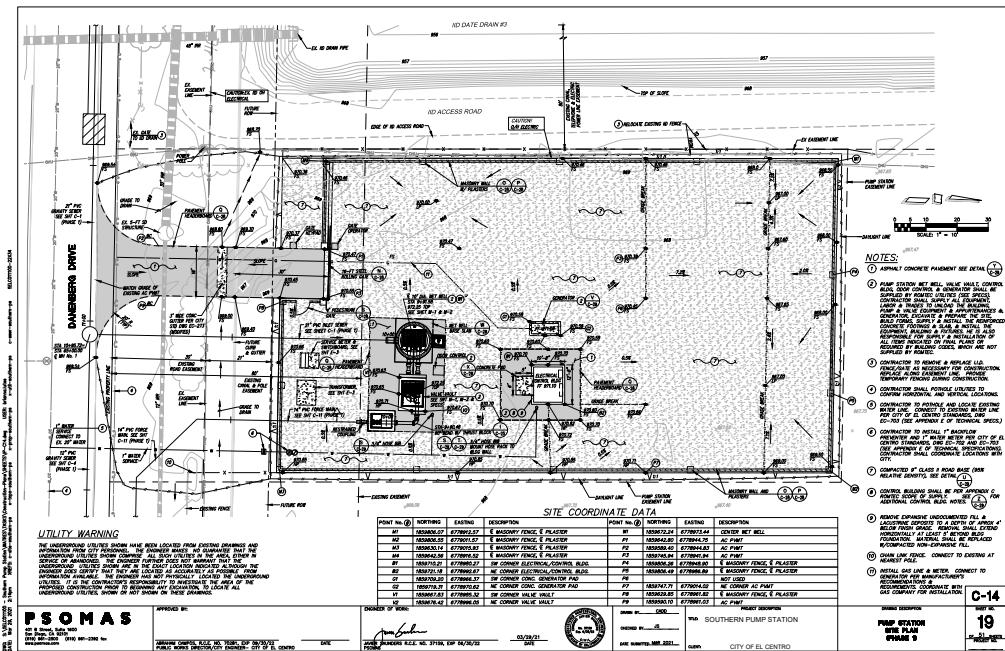
2,370 LF of 14-inch PVC sewer forcemain
7,290 LF of 8-inch, 12-inch, 18-inch, and 21-inch gravity sewer, and 25 sewer manholes

PROJECT COST

\$40,920

COMPLETED (YEAR)

Target 2025



Integrated Water, Sewer and Storm Drain Master Plan

Brawley, CA | City of Brawley

Services Provided

- ▶ Development of capital improvement programs
- ▶ Preparation of master plan report
- ▶ Preparation of Master Plan Report
- ▶ Hydraulic Modeling of Water and Sewer

Psomas provided planning engineering services for the City's Integrated Master Plan for water, wastewater and storm drainage. This project updated

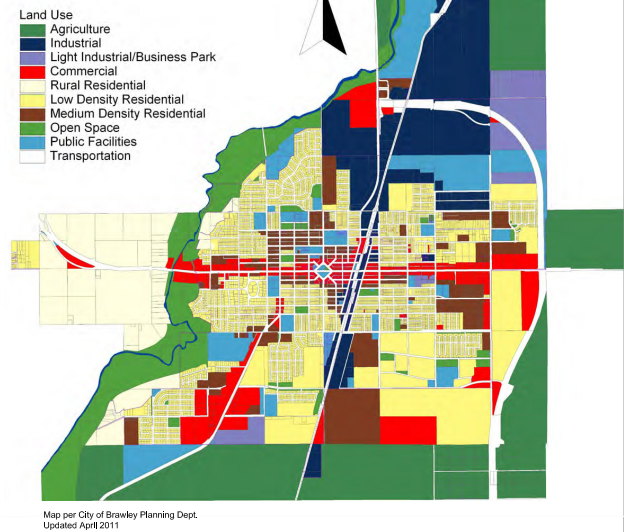
the previous master plans that were completed in 1999 of which Psomas also prepared the water system portion. The objective of this integrated master plan was to evaluate the existing water storage and distribution system as well as the wastewater and storm drain systems to determine if they met current design criteria. The master plan also evaluated the need for future system improvements to accommodate future development as it occurs within the City's sphere of influence. The evaluations included determining deficiencies in the existing system as well as project future system needs based on projected population and land uses through the year 2030.

Services Included:

- ▶ Inspection of over 100 manholes
- ▶ Atlas maps
- ▶ Field investigations
- ▶ Aerial topography for a portion of the City
- ▶ Manhole surveys
- ▶ Determination of existing and future demands
- ▶ Existing system hydraulic analyses and calibration
- ▶ Evaluation of the raw water supply
- ▶ Recommendations for existing and future improvements including separation of the existing combined sewer system

City of Brawley

Official Land Use Map



PSOMAS
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030

City land use map

Figure 3-1
Land Use Map
City of Brawley Integrated Master Plan
September 2012

PROJECT SIZE

25 square miles

PROJECT COST

\$794,000

COMPLETED (YEAR)

2012

Tecolote Canyon Trunk Sewer Improvements

City of San Diego/San Diego, CA

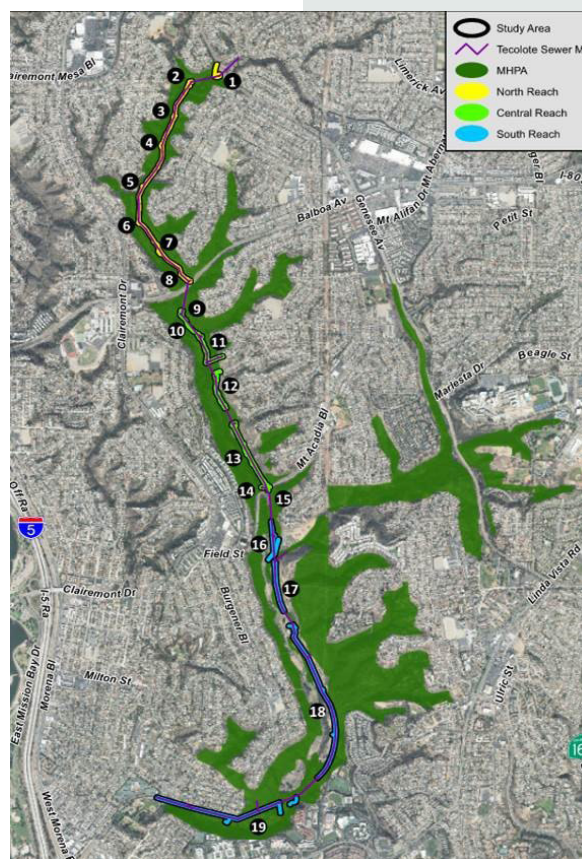
Services Provided

- ▶ Potable Water Conveyance
- ▶ Sewer Conveyance
- ▶ Revegetation Access Improvements
- ▶ Trenchless (microtunneling/boring)
- ▶ Construction Support
- ▶ Sewer Rehabilitation

The project consists of the installation of approximately 3.3 miles of new 15-24-inch PVC sewer and lining of approximately 1.43 miles of existing 15-inch VCP. The project also includes approximately 70 manhole rehabilitations, replacement of 700 feet of water main, modifications to sewer access paths, and replacement of up to nine stream crossings.

Due to the location being within an easement of a canyon, the project has various environmental challenges to consider, including the presence of endangered plants and animals. A large portion of the alignment sits in a native vegetation restoration site which resulted in additional challenges. Due to these numerous challenges, Psomas provided a Preliminary Design Report analyzing various alignment alternatives for the sewer while minimizing impacts to the surrounding canyon habitat. A combination of realignments, replacements in the same trench, CIPP lining, and micro-tunneling were all selected.

The \$30 million sewer improvement project provides for the design and upgrade of 4.7 miles of the 6.5-mile (72%) trunk sewer within the sensitive Tecolote Canyon. The trunk sewer will be upgraded from an existing 24-inch diameter VCP to a new 27 and 30-inch diameter PVC pipe to accommodate future growth and peak wet weather flows. In order to minimize impacts to the environmentally sensitive canyon, approximately 45 percent of the project will utilize alternative construction methods, a combination of micro-tunneling and CIPP lining. Permitting coordination included a City of San Diego Development Service Permit, 404 Army Corp Permit, 401 Regional Water Quality Control Board (RWQCB), and California Department of Fish and Game. A revegetation plan has been developed to restore plant habitat to existing or higher species.



Tecolote Canyon Trunk Sewer Improvements

PROJECT SIZE

3.3 miles of new 15-24-inch PVC sewer
1.43 miles of existing 15-inch VCP
70 manhole rehabilitations
700 feet of water main replacements

PROJECT COST

\$46 million

COMPLETED (YEAR)

Ongoing

Walnut Pump Station Upgrade

City of Santa Ana/Santa Ana, CA

Services Provided

- ▶ Potable Water Conveyance
- ▶ Potable Water Pump Station
- ▶ Condition Assessment
- ▶ Construction Support

Psomas was retained through an on-call design contract with the City of Santa Ana to prepare a preliminary design report, plans and specifications for the construction of new masonry buildings at Walnut Pump Station. Design scope included new 3,650-square-foot pump building to replace an obsolete building built in 1956 and enclose five (5) existing vertical turbine pumps. The building architecture was designed using an art deco style to match the recently remodeled Santa Ana High School located across the street.

The main building included a new pump room, operations workshop, electrical control room, office space and bath and shower facilities. Additionally, design also included a separate 200 square-foot industrial storage building for sodium hypochlorite and POL fuel storage, a carport structure, concrete pad for a permanent generator, an 8-foot high CMU perimeter wall, and two (2) half tennis practice courts and practice walls in the adjacent park to mask the perimeter fencing. Two existing steel supply mains were relocated due to the new building footprint and included design of two new MOV valve vaults.

Psomas' scope of services included preparation of a preliminary design report, engineer's estimate of construction costs, construction plans, technical specifications, bid support services and engineering support during construction.

On the City's behalf, Psomas submitted this project through ISI Envision and achieved a Bronze award. The project also won an American Public Works Association (APWA) B.E.S.T. Award.



Walnut Pump Station, City of Santa Ana

PROJECT SIZE

3,650-square foot pump building

PROJECT COST

\$801,375

COMPLETED (YEAR)

2020

Southern Pump Station and Sewer Pipelines, Bidding and Construction Support Phase

City of El Centro/El Centro, CA

Services Provided

- ▶ Dewatering Evaluation Street Improvements
- ▶ Sewer Conveyance
- ▶ Sewer Pump Station
- ▶ Trenchless (microtunneling/boring)
- ▶ Construction Support

As a current as-needed engineering consultant to the City of El Centro, Psomas provided engineering and surveying services for the preparation of bid documents for the new Southern Pump Station, in the City of El Centro. The work included preparation of a PDR, plans, specs, and cost estimate. Preparation of plats and legal descriptions, as well as bid phase services were also included.

The project provided adequate sewer service to properties located south of Interstate 8, north of McCabe Road, east of 8th Street, and west of the Southern Pacific Rail Road tracks (approximately 1,200 acres). To reduce the number of sewer pump stations the City has to operate and maintain, three existing pump stations were consolidated into the single 1,500 GPM Southern pump station. In order to abandon the three existing pump stations, the project installed approximately 12,570 LF of 18-inch to 21-inch gravity sewer main. The Southern pump station will be located northerly of the intersection of Danenberg and Farnsworth, and will be a duplex submersible pump station with a natural gas backup generator. From the pump station, a 14-inch diameter force main extended 2,383 LF to the east, to a connection at the intersection of Danenberg and Dogwood Road. The work included coordination and obtaining permits from Imperial Irrigation District, County of Imperial, and the Southern Pacific Railroad. Trenchless construction methods were used for crossing IID facilities and the railroad.



Southern Pump Station and Sewer Pipelines

PROJECT SIZE

1,500 GPM Southern pump station

12,570 LF of 18-inch to 21-inch gravity sewer main

PROJECT COST

\$6.7 million

COMPLETED (YEAR)

Target 2025

45th Street East Extension Trunk Sewer

City of Palmdale/Palmdale, CA

Services Provided

- Sewer Conveyance

The City of Palmdale's (City) 2009 Master Plan identified the existing 10-inch and 15-inch sewer in 45th Street East between Avenue S and Avenue R needed to be upsized to an 18-inch VCP relief sewer mainline to increase its capacity and accommodate existing and future development flows. The existing sewer eventually connects to the Los Angeles County Sanitation District (LACSD) No. 20 trunk line

located south of the intersection of Avenue R and 45th Street East. Upon the construction completion, LACSD will accept ownership and maintenance of the 18-inch trunk sewer. LACSD noted a separate City owned collector sewer would be required for private sewer laterals. The Psomas Team reviewed CCTV inspection and found 47 homes fronting 45th Street were directly connected to the existing 45th Street East sewer.

Psomas led an Alignment Concept Presentation with City and LACSD staff to discuss a preliminary alignment, including parallel collector sewers for the laterals fronting 45th Street. Through collaborative efforts, LACSD agreed to authorize a minimum number of direct connections to the new trunk sewer. The project team held a second coordination meeting with City and LACSD staff following the 60% Submittal. Ultimately the agreed alignment consisted of a combination of parallel construction, removal and replacement in place, protection of existing sewers with direct home connections, and the direct lateral connection of three homes to the proposed relief sewer.

Psomas performed final design engineering (per LACSD standards) and surveying services. Psomas prepared construction erosion control plans, conceptual bypass plans, temporary traffic control plans, and street improvement plans (per City Standards), including the reconstruction on ADA non-compliant curb ramps. Surveying services included topographic survey, base mapping, and right of way survey. The design included geotechnical investigations and potholing services.



Downstream connection to LACSD's maintenance hole

PROJECT SIZE

10-inch and 15-inch
sewers upsized to 18-
inch VCP relief sewer

PROJECT COST

\$508,500 (Design Fee)

COMPLETED (YEAR)

2022

College Area Sewer and AC Water Replacement

City of San Diego/San Diego, CA

Services Provided

- ▶ Sewer Conveyance
- ▶ Trenchless (microtunneling/boring)
- ▶ Construction Support

The City of San Diego selected Psomas to provide design services to complete a portion of the College Area Sewer and AC Water Main Project. Psomas provided professional consulting services, which included the trenchless design of approximately 2,241 LF of new 15-inch and 18-inch gravity sewer pipeline between STA 3+51.10 and STA 25+92.60.

The scope of work also included the structural design with supporting calculations for manhole 24 and design revisions to manhole 4. In addition, Psomas provided up to three access path plans related to the trenchless pipeline construction.

The existing 10-inch sewer will be replaced with 178 lineal feet of 15-inch and 2,064 lineal feet of 18-inch sewer by trenchless methods. The existing 10-inch sewer and manholes will be abandoned in place and interfering portions removed.

There is a trenchless portion located in an adjacent canyon/streambed area. The existing and proposed sewer will be located primarily within 20-foot and 25-foot sewer easements. The project is generally located within heavy vegetation, private property, steep slopes, and between two houses near Campanile Way.



College Area Sewer and AC Water Replacement Project

PROJECT SIZE

2,241 LF of new 15-inch and 18-inch gravity sewer pipeline

PROJECT COST

\$11 million

COMPLETED (YEAR)

Target 2025

Lomita 2024 Sewer Master Plan

City of Lomita/Lomita CA

Services Provided

- ▶ Condition Assessment
- ▶ System Master Planning
- ▶ Hydraulic Analysis

Psomas is preparing the City of Lomita (City) 2024 Sanitary Sewer System Master Plan. The project scope includes analyzing and assessing the City's existing sewer infrastructure to address condition and

capacity deficiencies in the system. Psomas is developing a 10-year Capital Improvement Plan (CIP) that will look to replace, rehabilitate, and maintain the sewer facilities and infrastructure. Psomas developed a sewer hydraulic model that will validate the recommendations made in the Master Plan and can be used by the City for future analysis. The City is a densely populated area with a mostly residential neighborhood and commercial units. The City has entrusted the management, operation, and maintenance of its local sanitary sewer system to the Consolidated Sewer Maintenance District (CSMD). However, the City is responsible for confirming that the public sewer infrastructure is correctly designed, adequately sized, and easily maintained. Psomas is coordinating with both the CSMD and the City to collect and review all significant data to complete the Sanitary Sewer System Master Plan and develop a sewer hydraulic model and a CIP. Additionally, key system data is being collected for use in the development of Sewer Impact Fees. The entire effort will be documented in a complete sewer master plan report for review and approval by the City.

Psomas' NASSCO PACP certified engineers will perform a detailed pipeline condition assessment for strategically identified CCTV-inspected sewer pipe segments. Following review of CCTV inspections, Psomas will provide a recommended rehabilitation method along with a justification/rationale for each sewer segment. The recommendations may consist of complete pipeline and manhole replacement in the same trench; excavation, and performance of point repairs; lining sewer segments in between existing manholes; lining sewer sections; or a combination of methods. Rehabilitation methods will place priority on trenchless repairs to minimize excavation and impacts on the community. The Master Plan will include the finalized rehabilitation recommendations and exhibits to provide a general visual representation of the recommended repairs.



PROJECT SIZE

15% of the City's pipelines (30,000 LF)

PROJECT COST

\$160,300

COMPLETED (YEAR)

Ongoing

Del Mar Water, Wastewater, and Pavement Improvements

City of Del Mar/Del Mar, CA

Services Provided

- ▶ Potable Water Conveyance
- ▶ Sewer Conveyance
- ▶ Trenchless CIPP Lining
- ▶ Pipe Rehabilitation
- ▶ Condition Assessment
- ▶ Construction Support

As the City of Del Mar's as-needed civil engineering consultant, Psomas provided design services to upgrade and improve the water and sewer system to the coastal community of Del Mar. Sewer enhancements included a combination of trenchless pipeline rehabilitation and open trench construction in place. Due to a portion of the existing sewer main being located within an easement along private property, Psomas evaluated various trenchless options to reduce impacts to the community and property owners. The CIPP lining method was selected to avoid open trench construction in private property, minimize public disturbance, and save costs. The CIPP lining method includes video pipe cleaning, video inspection, sewer bypassing, lining insertion, and lateral reconnections using top hat connections. To further save on costs and reduce community disturbance, manholes were rehabilitated using an epoxy and polyurethane liner.

Watermain pipeline improvements included conventional open trench replacement and the use of Horizontal Direction Drill (HDD). The Psomas team evaluated various alternative tunnel methods to replace the watermain across Camino Del Mar, a busy coastal road link between Del Mar and Solana Beach. The HDD method was selected as the most favorable alternative based on cost, reduced community impacts, and a shorter construction duration.

The project also included the upgrade of two pressure reducing stations, 4th Avenue, and Forest Way combination pressure sustaining and pressure reducing stations. Psomas collaborated with City staff to design the project within the City's CIP budget and schedule.



Del Mar Water, Wastewater, and Pavement Improvements Project

PROJECT SIZE

2-inch overlay

PROJECT COST

\$1.2 million

COMPLETED (YEAR)

2024

Parker Pump Station

City of Coronado/Coronado, CA

Services Provided

- ▶ Sewer Pump Station
 - ▶ Storm Drain Pump Station
-

Parker Pump Station is a stormwater and sewer pump station located in the City of Coronado. The existing stormwater pump station has a capacity of 36,000 gallons per minute (GPM). The pump station is located underground and has experienced deterioration of the concrete structure. Psomas initially performed a condition assessment and preliminary design report to convert the pump station to a 42,000 GPM submersible design. Subsequent to that, Psomas prepared a final design for a new stormwater and wastewater pump station.

The new pump station will have seven stormwater and two wastewater pumps. The two main stormwater pumps have a capacity of 20,000 GPM each. The sewer pump station has two pumps with a capacity of 350 GPM each.

The project includes new wet wells, submersible pumps, inlet and outlet piping, control building and standby generator. Other features include a public "green space" and architectural and landscape architecture improvements to make the pump station compatible with the surrounding residential area.

The project is currently in construction and is scheduled to be completed in mid-2025.



Parker Pump Station, City of Coronado

PROJECT SIZE

7 stormwater and 2
wastewater pumps,
42,000 GPM

PROJECT COST

\$25 million

COMPLETED (YEAR)

2016

Rossmoor/Los Alamitos Area Sewer District - District Engineer

City of Los Alamitos and unincorporated Rossmoor area of Orange County

Services Provided

- ▶ Sewer Conveyance
- ▶ Trenchless CIPP
- ▶ Pipe Rehabilitation
- ▶ Condition Assessment
- ▶ System Master Planning
- ▶ Construction Support
- ▶ Sewer User Fee and Charges
- ▶ Developer Plan Check Review
- ▶ Construction Inspection Services
- ▶ Standard Drawing and Specification Update



Rossmoor/Los Alamitos Area Sewer District - District Engineer

Psomas has served as District Engineer for the Rossmoor/Los Alamitos Area Sewer District (RLAASD) since January 2014. The RLAASD owns and maintains approximately 341,800 feet of VCP sewer ranging in size from 8 inches to 18 inches in diameter in the City of Los Alamitos, the unincorporated Rossmoor area of Orange County, and portions of the City of Seal Beach. District Engineer, Ben Halbach, is responsible for overseeing all engineering-related matters, including but not limited to review and approval of developer's plans, maintenance of the District's GIS sewer system files, coordination of annual CCTV coverage with the District's sewer cleaning and maintenance operator, and attendance at District Board of Director meetings on an as-needed basis.

As the District Engineer, Psomas staff is also responsible for reviewing approximately 20,000 to 40,000 LF of sewer system CCTV inspections annually and making appropriate recommendations. Between 2014 and 2024 Psomas has reviewed approximately 259,435 LF of sewer pipe (87% of the sewer system). Based on the CCTV review, by Psomas' NASSCO PACP/ MACP certified engineers, appropriate recommendations for repairs were assessed. The repairs were executed through the design, bid phase, and construction services of four separate Sewer Repair Projects in various locations within the District. Rehabilitation methods include CIPP Lining, UV-cured point repairs, removal and replacement, and point repairs. Using a combination of various rehabilitation methods and mechanical cleaning equipment to mitigate calcium deposits at various locations, Psomas' design was able to maximize the amount of lineal footage rehabilitated to enhance the pipeline life cycle.

PROJECT SIZE

341,800 SF of 8 to 18-inches of VCP sewer

PROJECT COST

\$ 1,017,980

COMPLETED (YEAR)

2020

As the District Engineer, Psomas staff is also responsible for the review and inspection of developer initiated projects to verify the RLAASD's standards are met. Psomas is responsible for assessing the initial hydraulic analysis (if determined necessary by the District Engineer), plan check and inspection deposits and tracking the budget status. In the event the initial deposit is expended, Psomas is responsible for assessing the additional fees and coordinating with the developer's representative receipt of additional fees. Since 2014, Psomas has plan checked and inspected approximately 12 developer projects, ranging from lateral connections to sewer pipes and manholes serving a tract development. When deemed necessary by the District Engineer, Psomas staff performed hydraulic studies to assess the sewer system capacity prior to initiating the plan check review. Once a project has been inspected and accepted by the District Engineer, Psomas staff review the developer provided record drawings, assign a record as-built number, file, cross reference the sewer as-builts to reflect the modifications to the original record drawings, and update the GIS as necessary.

At the Board of Directors' direction, Psomas updated the RLAASD's Standard Drawings and Specifications and provided two separate documents. The first document was written to apply to projects being designed, bid, and constructed by private entities/residents and serving private entities/residents, referred to as a "Developer Project". The second document was written to apply to projects being designed, bid, and constructed by the RLAASD or its representative(s), referred to as a "District Project."

In review of the RLAASD's annual maintenance schedule, infrastructure age vs. design life, and the District Board of Directors' goal to extend the life of the existing sewer infrastructure, Psomas staff issued a Request for Proposals, reviewed, and recommended a firm to prepare a Comprehensive Sewer Service User Fee and Charges Rate Study for a five-year service period. Psomas staff assisted with data gathering, coordination with the RLAASD, Orange County Assessor's Office, and Orange County Sanitation District (OCSD). The ultimately approved approach to assessing charges to parcels involved the Equivalent Dwelling Unit (EDU) methodology, where the charge for one single-family residence (SFR) dwelling unit is defined as one EDU. Wastewater service charges for multi-family, multiple unit, commercial and other customers are charged a percentage or multiple of the EDU charge based on their proportion of flow relative to the SFR. As the District Engineer, Psomas staff spearheaded the preparation and issuance of the Proposition 218 Notice to all property owners within the RLAASD. As part of the annual maintenance of the adopted user fees and charges, Psomas reviews the Auditor-Controller parcel listings and prepares the Direct Charges/Special Assessment Data file, and uploads to the Orange County Auditor-Controller direct charges upload system to be included in the annual Secured Property Tax Roll per the Orange County Auditor-Controller's requirements.

During Psomas' tenure as District Engineer, its staff prepared a District-wide sewer hydraulic study, Sewer System Management Plan (SSMP), and provided ongoing support on an as-needed basis as determined by the RLAASD General Manager, Ms. Sarah Borbon.

Citywide Sewer Master Plan Update & Sewer System Condition Assessment Report

City of Palos Verdes Estates/Palos Verdes Estates, CA

Services Provided

- ▶ Sewer Pump Station
- ▶ Storm Drain Pump Station

The overall goal of this project is to provide a comprehensive assessment of the City of Palos Verdes Estates (the City's) sanitary sewer system along with operational and maintenance responsibilities. The project scope includes analyzing and assessing the City's existing sewer infrastructure to address condition and capacity deficiencies. Psomas is working alongside the City to develop a prioritized Capital Improvement Program (CIP) that will look to replace, rehabilitate, and maintain the sewer facilities and infrastructure. Additionally, Psomas is evaluating operation procedures for consistency with wastewater collection and discharge requirements. The updated SSMP covers all required elements under the new General Order adopted by the State Water Resources Control Board (SWRCB).

Psomas' NASSCO PACP certified engineers will perform a detailed pipeline condition assessment for strategically identified CCTV-inspected sewer pipe segments. Following review of CCTV inspections, Psomas will provide a recommended rehabilitation method along with a justification/rationale for each sewer segment. The recommendations may consist of complete pipeline and manhole replacement in the same trench; excavation, and performance of point repairs; lining sewer segments in between existing manholes; lining sewer sections; or a combination of methods. Rehabilitation methods will place priority on trenchless repairs to minimize excavation and impacts on the community. The Master Plan will include the finalized rehabilitation recommendations and exhibits to provide a general visual representation of the recommended repairs.



Citywide Sewer Master Plan Update & Sewer System Condition Assessment

PROJECT SIZE

78 miles of gravity main and 4,700 LF of 6-inch ACP for 13,500 customers

PROJECT COST

\$ 378,865

COMPLETED (YEAR)

2025

La Mesa FY22 Sewer Improvement Project

City of La Mesa/La Mesa, CA

As the City of La Mesa’s as-needed civil engineering consultant, Psomas provided design services for replacement of the sewer system in La Mesa.

The City has an ongoing sewer pipeline replacement program that includes the replacement of aging vitrified clay and concrete pipe. The program is intended to reduce infiltration and inflow and reduce maintenance by replacing these aging pipes with polyvinyl chloride (PVC) pipes. The reduction in infiltration and inflow (I&I) saves ratepayer costs and benefits the environment.

The FY 2023 Sewer Replacements project includes replacement of sewers in Amarillo, Clay and Midland Streets with new PVC sewer pipe. Additional key features of the project include reconnection of existing sewer laterals, abandonment of a sewer in an easement area, installation of backwater valves and minor realignment of sewers to meet current Division of Drinking Water water-sewer separation requirements. The project site has nine manholes, four manhole rehabilitations, and 54 lateral connections, 2,905 feet of 8-inch sewer, and replumbing of laterals.

PROJECT SIZE

9 manholes, 4 manhole rehabilitations, and 54 lateral connections, 2,905 feet of 8-inch sewer

PROJECT COST

\$2 million

COMPLETED (YEAR)

2019

2020 Sewer Master Plan

Yorba Linda Water District/Yorba Linda, CA

In 2010 Psomas prepared Yorba Linda Water District’s (YLWD’s) sewer master plan, teamed with IDModeling, and Psomas was selected to prepare the 2020 Sewer Master Plan Update. Since 2010, YLWD almost doubled its sewer service area taking over the eastern portion of the sewer system that was previously under the control of the City of Yorba Linda.

This 2020 Sewer Master Plan not only updated the western portion of the District’s collection system but developing a complete new hydraulic model of the eastern portion including a tributary area of approximately 3,400 acres. The 2020 Master Plan updated the existing InfoSewer model in the western area to include new capital improvements and new developments, updating the District’s GIS in the western area to be consistent with the updated model, constructing a new InfoSewer model in the eastern area from the District’s GIS, extensive sewer flow monitoring to check and re-adjust calibration of the model in the western area and to calibrate the new model in the eastern area.

Build-out land use projections and sewer flow loading for buildout conditions will be generated. Then existing and buildout scenarios will be modeled to develop a capital improvement program. Finally, a complete sewer master plan document will be prepared for review and approval by the District. The entire study area in this District-wide hydraulic model comprises some 9,000 acres.

PROJECT SIZE

9,000 acres

PROJECT COST

\$314,622

COMPLETED (YEAR)

Ongoing

Various Water/Wastewater Planning Updates

Brawley, CA | City of Brawley

Services Provided

- ▶ Imperial County Project
- ▶ Water system improvements
- ▶ Planning
- ▶ Cost estimating

Since the 1999 Master Plan, Psomas has prepared a number of water, wastewater and stormwater evaluations, mostly developer related, but also some relate directly to our work on the water master plan. Psomas' scope of services includes:

- ▶ San Diego State University Campus: We investigated sewer capacities at various discharge points from the SDSU sewer pump station. We also check/sized water pipe sizing including redundant looping.
- ▶ Malan Transmission Main: After the Hinijosa Tank was taken out of service, the City needed to increase pressures on the eastern side of town. We modeled a number of alternatives and the most practical solution was to construct a 24-inch transmission main on Malan Avenue. This project was built in phases and immediately helped relieve low pressures.
- ▶ Various Developer Project Reviews: When the development was at it's peak, we helped the City staff with the sizing and review of water, sewer and storm drain systems. This including recommendations for pipe sizing, tank sizing, pump station sizing and storm drainage. We also provided plan check services when the developers engineers completed the designs. Some of these developments include:
 - La Paloma
 - Latigo
 - Victoria Ranch
 - Luckey Ranch
 - Rancho Porter



Developer project review and investigation

PROJECT SIZE

24-inch transmission main

PROJECT COST

\$25,000

COMPLETED (YEAR)

2008

Water & Wastewater Improvements, Phases 1, 2, 3 and 4

Brawley, CA | City of Brawley

Services Provided

- ▶ Imperial County Project
- ▶ Water system improvements
- ▶ Planning
- ▶ Cost estimating

PROJECT SIZE

Sewer Improvements: 7000 LF of 12" to 18" PVC

Water improvements 30,000 LF of 8" to 16" PVC

PROJECT COST

\$5,800,000

COMPLETED (YEAR)

2009



Water and sewer pipeline replacements

Psomas provided design services for water and sewer pipeline replacements that are a part of the City of Brawley's capital improvement program. The basis for the design was the previously completed water and sewer master planning studies in which Psomas prepared the water master plan.

The sewer system improvements replaced 7,000 LF of existing 10" to 18" sewer mains with 12" to 18" PVC mains to increase capacity to meet peak demands. New sewer service laterals were also included. Existing service was maintained during construction.

The water system improvements included the replacement of 30,000 LF of existing 4" to 6" diameter old cast iron water mains. These mains were being replaced due to frequent pipe failure, high maintenance requirements, and capacity issues that were causing low system pressures. The new 8" to 16" PVC water mains eliminate costly maintenance and provide adequate pressures at peak water demands. In addition, this project provides new water meter boxes and replacement of associated water services. This project also re-evaluated the hydraulics of the water and sewer systems needed for new developments such as the meat packing plant and the new SDSU campus. Streets impacted by construction received new curb- to-curb asphalt pavement.

Our surveyors performed GPS control surveys for the entire City, which provided much needed

horizontal and vertical control points throughout the City.

This survey and mapping effort allows the City to provide topographic mapping for future projects and provide the basis for a future GIS mapping system.

Due to budget constraints the City of Brawley divided the pipeline replacement work into smaller projects of which the first portion constructed was the airport tank isolation project. This project included 3,000' of 16" watermain and a separate tank inlet/diffuser system.

The next phase replaced 11,500 feet of water mains in and around K Street in southeast Brawley, and 4,310 feet of sewer in central Brawley. The sewer work also included the evaluation, rehabilitation and/or replacement of over 20 manholes in central Brawley. This project included jack and bore for the sewer crossings of the State Highway at two locations on Main Street. The following specific tasks were provided:

- ▶ Civil and Sanitary Engineering
- ▶ Surveying and GPS
- ▶ Water Pipeline Design, and Sewer Pipeline Design
- ▶ Studies and Investigations
- ▶ Drainage Analysis and Design
- ▶ Cost Estimating
- ▶ Traffic Studies and Design
- ▶ Coordination with CalTrans and IID
- ▶ Tunneling work

Malan Transmission Main - Phases 1, 2, and 3

Brawley, CA | City of Brawley

Services Provided

- ▶ Imperial County Project
- ▶ Water system improvements
- ▶ Planning
- ▶ Cost estimating

PROJECT SIZE

P1: 36-inch diameter PVC
P2: 5000 feet of 24-inch PVC pipeline
P3: 4,000 feet of 24" PVC Pipeline

PROJECT COST

\$168,268

COMPLETED (YEAR)

2008

When the aged Hinojosa Water Tank was taken out of service, water pressures on the east and northeast portions of Brawley were reduced to unacceptable levels. Psomas prepared design drawings for a transmission main providing a direct connection from the new water treatment plant to the southern and eastern areas of the City.

Phase 1 of this project included the installation of a single, 36-inch diameter PVC main from the water treatment plant to State Route 86. From the highway, the project proceeded as dual 24-inch PVC mains, down Malan Street to Second Street where it terminated at a blowoff. The pipeline contained approximately 6 connections to the existing water network with a total length of approximately 5,300 LF.

In Phase 2, we connected each 24-inch PVC pipeline from Phase 1 and extended them east along Malan Street to Ninth Street, totaling about 5,000 feet with 12 connections to the existing water network. Additionally, we installed approximately 1,800 feet of 12-inch PVC pipeline along Ninth Street from Malan Street to K Street, with three connections to the existing network. These projects immediately alleviated lower pressure issues in that area. The second 24-inch transmission main is designed to supply future water storage tanks for new developments south of Malan Street.

For Phase 3, Psomas prepared bid documents for installing approximately 4,000 feet of 24-inch PVC water pipeline along Malan Street. This pipeline connected the Phase 2 termination point at 9th Street to the existing water pipelines



Pipeline construction

at Eastern Avenue. We made approximately eight connections to the existing water network and six stub-out connections for future developments south of Malan Street. Services included the following:

- ▶ Engineering and Design
- ▶ Construction Plans and Specifications
- ▶ Aerial Topography and Supplemental Surveying
- ▶ Records Research
- ▶ Studies and Investigations
- ▶ Cost Estimating
- ▶ Coordination with Caltrans, IID and Union Pacific Railroad
- ▶ Trenchless Construction
- ▶ Bid Phase and Construction Administration Services

CALIFORNIA DEPARTMENT OF HOUSING & COMMUNITY DEVELOPMENT

Psomas has experience with projects funded by the California Department of Housing and Community Development. Phases 1 and 2 of the Malan Street water line projects in Brawley were financed through the Community Development Block Grant (CDBG) program. This state-administered program offers financial assistance to smaller cities and counties for community improvements, including infrastructure.

Water Reservoir Modifications and Welded Steel Airport Tank and Pipeline

Brawley, CA | City of Brawley, CA

Services Provided

- ▶ Imperial County Project
- ▶ Water system improvements
- ▶ Planning
- ▶ Cost estimating

After construction of a major industrial water users facility, the City of Brawley needed to improve water pressures in the northeastern section of the city, and better utilize the three million gallon storage tank/booster pump station. As a result, Psomas was asked to look into an improvement that would accomplish this. The work included performing a hydraulic analysis and modeling existing and proposed conditions, based on this analysis, it was determined that providing a separate inlet line would improve tank circulation and allow the booster station to raise area pressures without re-circulation to the tank system. A tank diffuser pipe was also provided. Work also included design of 5,000 feet of 18-inch PVC to replace existing 8-inch and 10-inch diameter water mains. Services Provided:

- ▶ Hydraulic Analysis
- ▶ Civil Engineering
- ▶ Surveying and GPS
- ▶ Welded Steel Tank Modifications
- ▶ Inlet/Outlet Water Pipeline Design
- ▶ Studies and Investigations
- ▶ Drainage Analysis and Design
- ▶ Cost Estimating
- ▶ Traffic Studies and Design
- ▶ Coordination with Caltrans and IID
- ▶ Addressed Community Needs
- ▶ Project Performance Statement



Water reservoir modifications in action

PROJECT SIZE

5,000 feet of 18-inch
PVC

PROJECT COST

\$4.2 million

COMPLETED (YEAR)

2009

North Rio Vista Avenue Sewer Line Rehabilitation

Brawley, CA | City of Brawley

Services Provided

- ▶ Imperial County Project
- ▶ Water system improvements
- ▶ Planning
- ▶ Cost estimating

PROJECT SIZE

15 inches diameter of sewer line, 4,675 feet long

PROJECT COST

\$53,763

COMPLETED (YEAR)

2008

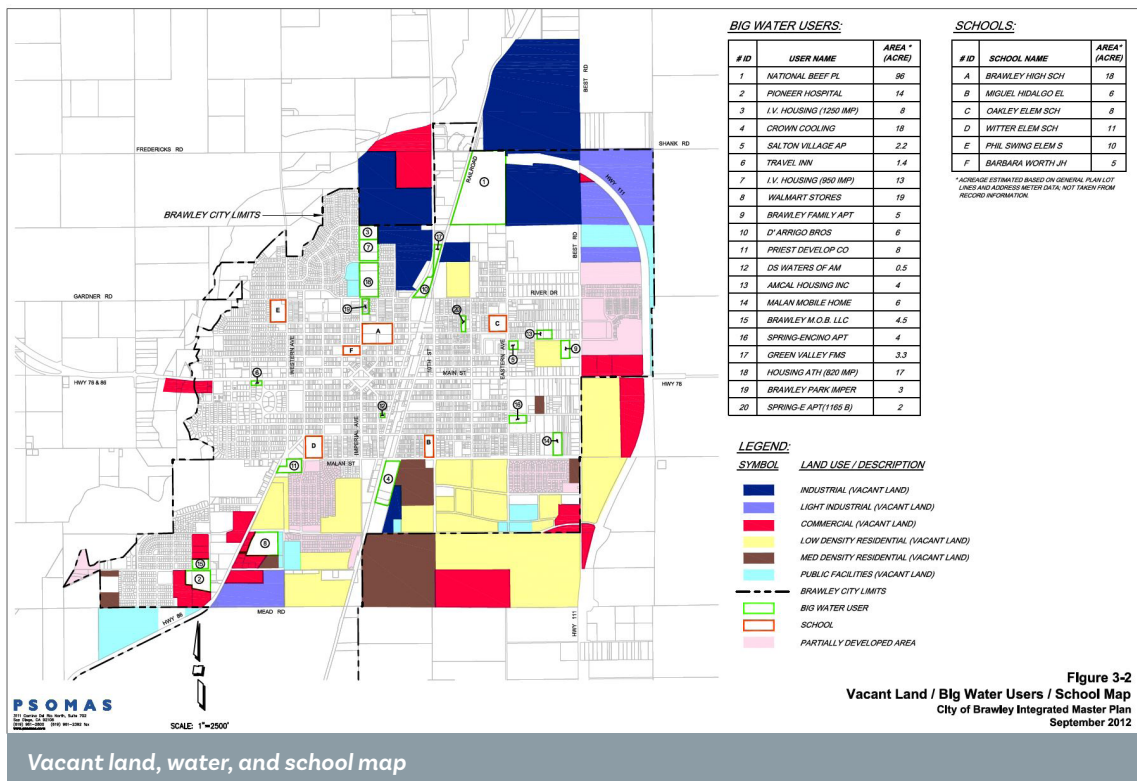
The City of Brawley has an existing Wastewater Collection System coverage of 100%, with much of the City as a combined system. The combined sewer has been in operation since the early 20th century and has periodically experienced substantial surcharging, mostly during rain events particularly in the segment along N. Rio Vista Drive. The flow rate for that particular section has exceeded the pipe's capacity and significant deterioration of the pipe's condition has occurred. The sewer line is 15 inches in diameter and has a length of 4,675 feet including a portion on River Drive.

The Rio Vista sewer pipe line contains approximately 40 connections and carries the flow from approximately one fourth of the City of Brawley. The area experiencing surcharge problems is located south of the intersection of Rio Vista Avenue and River Drive. Psomas prepared a design report evaluating 3 options; replace in kind, separate stormdrain and sanitary sewer in separate trenches and separate stormdrain and sanitary sewer with sanitary sewer in the same trench.

The Ultimate recommendation was to install a separate storm drain system and upsize the sewer in the same trench. This eliminates the surcharging, helps the City reach its ultimate goal of separate storm and sewer systems and provides increased capacity of 2030 sewer flows.

Services Provided:

- ▶ Sewer main and storm drain design
- ▶ Hydrology studies
- ▶ Inflow infiltration studies
- ▶ Specialized drainage/sewer studies
- ▶ Pipe condition video inspections
- ▶ Federally grant funded project





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California State Senate

SENATOR
STEPHEN C. PADILLA
EIGHTEENTH SENATE DISTRICT



COMMITTEES

BUDGET SUBCOMMITTEE #4 ON
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SB 534 – Salton Sea Region Green Empowerment Zone

The Salton Sea Region suffers from a historic lack of public and private investment, which results in inadequate infrastructure to support economic development, poor air quality, high unemployment, workers without advanced and specialized skills, and limited access to health care. The California Environmental Protection Agency's [CalEnviroScreen mapping tool](#) identifies a majority of census tracts in the region as disadvantaged and disproportionately burdened by multiple sources of pollution.

Today, the Salton Sea Region stands at a critical juncture, with a chance to become a major domestic supplier of lithium. This opportunity could drive regional prosperity and create high-paid jobs, supported by well-articulated workforce training programs, expanded local supply chains, and new battery manufacturing and related R&D facilities. Central to this prosperity scenario is the region's ability to unite and attract private and public investment, paving the way for a brighter future.

Unfortunately, the region has experienced major boom-and-bust cycles - economic promises that have failed to deliver sustainable quality-of-life improvements to the residents and local communities. Name the state statistic, and Imperial County is usually near the top or the bottom, whichever is worse: unemployment, per capita income, welfare recipients, families below the poverty line, elderly living in poverty, and so on.

In 2020, Governor Newsom [signed legislation](#) establishing the [Blue Ribbon Commission on Lithium Extraction in California](#). The commission brought together a broad spectrum of government, nonprofit, and other private sector stakeholders to help the state better understand lithium recovery's opportunities and potential challenges in California and the Salton Sea Region.

In its December 2022 report, the Blue Ribbon Commission recommended the establishment of an economic zone that would include Imperial County and the Eastern Coachella and Palo Verde Valleys. Federal, state, and local governments would recognize this zone, which would be eligible to compete for funding and investments.

To capture the full benefits of Lithium Valley renewable energy development, the southeastern desert valleys need a definitive economic development designation and structure that supports efficient resource attraction and fosters economic relationships between business, labor, and community.

SB 534 would establish the Salton Sea Region Green Empowerment Zone.

1. States the Zone's purpose is to attract public and private investments by facilitating regional collaboration and strategically leveraging economic, workforce, and community development incentives.
2. Highlights attracting investments to historically overlooked and left behind areas in the region.

3. Sets the maximum Zone boundaries to align with those identified in the Governor's Blue Ribbon Commission on the Development of Lithium Valley.
4. Authorizes a process for initiating the formation of the Empowerment Zone, which includes Imperial County adopting the first resolution and other jurisdictions adopting resolutions to join the Zone.
5. Requires the Empowerment Zone to be governed by a 54-member board of directors, including voting and non-voting members. The voting membership comprises representatives from nine stakeholder groups within the region.
6. Requires the formation of an executive committee to help facilitate the Board's activities.
7. Requires annual reporting based on specific metrics related to Empowerment Zone activities.
8. Sunsets the Zone on January 1, 2035.

The region faces historic economic challenges and systemic barriers to sustained, action-oriented collaboration. A Green Empowerment Zone provides a platform for collaborating on and leveraging other efforts that benefit the region. These efforts include the California Jobs First Regional Investment Initiative, the High Road Training Partnership on Lithium, and the Lithium Valley Specific Plan. SB 534 is modeled after a previously established Green Empowerment Zone in Contra Costa and would allow the region to develop increased capacity, redress disparities, and draw down economic opportunities needed to sustain economic development.

Staff Contact

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Title: Legislative Director

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Capitol Office: (916) 651 – 4018

Support

- Alianza Coachella Valley (joint sponsor)
- Communities for a New California (CNC) Action Fund (joint sponsors)
- Audobon California
- California Association of Recreation and Park Districts
- Cameo Network
- City of Imperial
- Coachella Valley Parents
- Comité Civico Del Valle
- Desert Healthcare District and Foundation
- Heber Public Utility District
- Imperial Valley Equity and Justice
- Inland Coalition for Immigrant Justice
- Inland Empire Latino Lawyers Association
- International Union, United Automobile, Aerospace, and Agricultural Implement Workers of America (UAW)
- Jobs to Move America
- Líderes Campesinas
- Loma Linda University Adventist Health Sciences Center
- Los Amigos De La Comunidad
- The Becoming Project, Inc
- Universidad Popular



CITY OF WESTMORLAND

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April 15, 2025

Honorable Sharon Quirk-Silva
California State Assembly
1020 O Street, Suite 4210
Sacramento, CA 95814

Re: Senate Bill 534 (Padilla): Salton Sea Region Green Empowerment Zone

Dear Senator, Honorable Sharon Quirk-Silva,

On behalf of the City of Westmorland I am pleased to offer our strong support of SB 534, which would establish the Salton Sea Region Green Empowerment Zone.

Our Mission is to promote and provide for the safety, health and welfare of our citizens and business community, and is the Mission of the City through its elected officials to: Provide customer service in a professional, cost-effective and innovative manner through a responsive and courteous workforce. Seek the involvement of citizens in City government and planning while safeguarding the health, safety and welfare of City residents and properties. Budget appropriate revenues to cost-effectively maintain City programs and services; prudently manage the City's financial resources and provide for adequate reserves. Regularly evaluate City programs and services and revise them when appropriate which are economically and efficiently delivered.

The Salton Sea Region suffers from a historic lack of public and private investment, which results in inadequate infrastructure to support economic development, poor air quality, high unemployment, workers without advanced and specialized skills, and limited access to health care. The California Environmental Protection Agency's [CalEnviroScreen mapping tool](#) identifies a majority of census tracts in the region as disadvantaged and disproportionately burdened by multiple sources of pollution.

Today, the Salton Sea Region stands at a critical juncture, with a chance to become a major domestic supplier of lithium. This opportunity could drive regional prosperity and create high-paid jobs, supported by well-articulated workforce training programs, expanded local supply chains, and new battery manufacturing and related R&D facilities. Central to this prosperity scenario is the region's ability to unite and attract private and public investment, paving the way for a brighter future.

Unfortunately, the region has experienced major boom-and-bust cycles - economic promises that have failed to deliver sustainable quality-of-life improvements to the residents and local communities. Name the state statistic, and Imperial County is usually near the top or the bottom, whichever is worse:

unemployment, per capita income, welfare recipients, families below the poverty line, elderly living in poverty, and so on.

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To capture the full benefits of Lithium Valley renewable energy development, the southeastern desert valleys need a definitive economic development designation and structure that supports efficient resource attraction and fosters economic relationships between business, labor, and community

For these reasons, SB 534 (Padilla) would further the City of Westmorland goal of this opportunity could drive regional prosperity and create high-paid jobs, supported by well-articulated workforce training programs, and we are proud to support SB 534(Padilla) and encourage your “aye” vote when it is heard in your committee.

Best regards,

Judith Rivera, Mayor
City of Westmorland