



PROPOSAL

TO

**SAN GABRIEL VALLEY MUNICIPAL
WATER DISTRICT**

FOR

***2020
URBAN WATER MANAGEMENT PLAN***

SEPTEMBER 8, 2020



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Northern California • Southern California • Arizona • Colorado



08-M1119

September 8, 2020

Mr. Darin Kasamoto
General Manager
San Gabriel Valley Municipal Water District
P.O. Box 1299
Azusa, CA 91702

Subject: Proposal for Preparation of the 2020 Urban Water Management Plan (UWMP)

Dear Mr. Kasamoto:

Stetson Engineers Inc. (Stetson) is pleased to provide this Proposal to San Gabriel Valley Municipal Water District (District) for the preparation of the 2020 Urban Water Management Plan (UWMP), in accordance with UWMP guidelines. Stetson is prepared to commit the engineering professionals, support staff and equipment to provide the District with an up-to-date, comprehensive 2020 UWMP that meets all of the California Department of Water Resources' (DWR) requirements, and to meet the needs of the District. The enclosed "Proposal" has been prepared to address DWR's requirements for the 2020 UWMPs.

Stetson has provided engineering services for the District for many years, including preparation of the District's 2000, 2005, and 2010 UWMPs, 2015 Integrated Resources Plan, and 2017 Integrated Resources Plan Update. Stetson also has extensive experience with all of the District's member cities, their water demands, and their water supply sources.

Stetson specializes in all phases of water resources engineering, including water system design for complete distribution systems, pipelines, reservoir storage facilities, pumping stations, and water treatment facilities; water well design and development; and hydrogeological studies of groundwater basins. Our services include preparation of UWMPs; water supply assessments; water system valuations; water system master plans; computer modeling of water and wastewater distribution systems and groundwater basins; financial planning and analysis; and water rights valuations.

Stetson has direct applicable experience based on past preparation of UWMPs. Stetson has also assisted with the preparation of the notice of Public Hearing and attendance in the Public Hearing. Stetson prepared 2015 UWMPs for over 20 clients consistent with the recommended organization provided in DWR's Final "Guidebook for Urban Water Suppliers", dated March 2016, including 12 clients within the San Gabriel Valley. In addition, Stetson submitted these 2015 UWMPs to DWR as required through DWR's on-line Water Use Efficiency Data Tool.

In addition to preparation of UWMPs, Stetson's experience in the following related areas will be valuable for preparation of the 2020 UWMP for the District:


- *Water Supply Assessments* – Stetson has prepared multiple water supply assessments pursuant to Senate Bill 610 (California Water Code Sections 10910-10915) and Senate Bill 221 (Government Code 66473.7), which analyze water demands, sources of supply, and reliability of the water supplies.
- *Water System Master Plans* – Stetson has prepared multiple water system master plans which analyze water system infrastructure and facility requirements, water quality requirements, water demands, sources of supply, and reliability of the water supplies.

The following contact information is provided:

- *Firm Name:* Stetson Engineers Inc.
- *Office Address:* 861 S. Village Oaks Drive, Suite 100
Covina, California 91724
- *Telephone:* (626) 967-6202
- *Facsimile:* (626) 331-7065
- *Corporate Officer
Authorized to Execute
Agreement:* Mr. Stephen B. Johnson
- *Primary Contact:* Mr. Jeff Helsley
- *Email:* jeffh@stetsonengineers.com

The budget for the enclosed Proposal is a not-to-exceed amount of \$31,500. This Proposal will remain in effect for 90 calendar days from September 8, 2020. Thank you for considering Stetson's Proposal and this opportunity to assist San Gabriel Valley Municipal Water District.

Sincerely,



Stephen B. Johnson, P.E.
President
Stetson Engineers Inc.

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1. STATEMENT OF QUALIFICATIONS

OVERVIEW

Stetson Engineers Inc. (Stetson) was established by Thomas M. Stetson in 1957 as Thomas M. Stetson Civil and Consulting Engineers. In 1977, the company was incorporated as Stetson Engineers Inc. Stetson has offices located in Covina, Carlsbad, and San Rafael, California; and Centennial, Colorado. Stetson's staff consists of technical professionals with expertise in a broad range of relevant disciplines, including surface water hydrology and hydraulics; fluvial geomorphology; hydrogeology; geology; geophysics; and civil, environmental, and agricultural engineering.

Stetson specializes in all phases of water resources engineering, including water system design for complete distribution systems, pipelines, reservoir storage facilities, pumping stations, and water treatment facilities; water well design and development; and hydrogeological studies of groundwater basins. Stetson's relevant work experience includes preparation of Urban Water Management Plans (UWMPs); preparation of water system valuations; water supply evaluations/assessments; water system master plans; computer modeling of water and wastewater distribution systems and groundwater basins; financial planning and analysis; and water rights valuations.

PROJECT PERSONNEL

Stetson has assembled a project staff team that will provide San Gabriel Valley Municipal Water District (District) with senior staff highly experienced in the preparation of UWMPs. Qualifications of project personnel who will be working on the 2020 UWMP for the District are provided below. Project personnel resumes are included in Appendix A of this proposal.

STEPHEN JOHNSON, P.E.

PRINCIPAL-IN-CHARGE

Mr. Johnson, President and a principal of Stetson, is the supervising engineer in charge of the Southern California office and has over 43 years of experience. Mr. Johnson has been involved in UWMPs, water system analyses, water rights quantification and analysis, supplemental water requirement studies, alternative water supply studies, annual reports, water quality monitoring reports, groundwater management studies, and project feasibility studies. Mr. Johnson has extensive experience with municipal and water district level issues, having been working directly as Engineer for the Main Basin Watermaster and for several watersheds in southern California on such matters as water supply, water quality, management, and financing.

JEFF HELSLEY, PE

PROJECT MANAGER

Mr. Helsley has over 37 years of experience in water resource management in southern California. Mr. Helsley has supervised numerous groundwater treatment, groundwater recharge, water supply, and water rights studies. Mr. Helsley has extensive experience in municipal water supply projects in both the Main Basin and in Central Basin and has unique knowledge of water supply, water quality, and groundwater management for both of these groundwater basins. Mr. Helsley was formerly the District Engineer and Assistant General Manager of the Water Replenishment District of Southern California, where he was responsible for the development and implementation of programs to

enhance groundwater recharge, improve groundwater basin management, and project groundwater quality. Mr. Helsley was Stetson's Project Manager for a feasibility study for siting groundwater recharge facilities in the Antelope Valley. Mr. Helsley has been responsible for leading stakeholder-based water management plans for the Foothill Municipal Water District, Newhall County Water District, and the Local Agency Formation Commission for Los Angeles County. Mr. Helsley's experience includes employment with the Los Angeles County Department of Public Works where he was responsible for studies to develop improvements to the County's injection barriers to prevent seawater intrusion, and studies of groundwater recharge optimization. Mr. Helsley was involved in preparation of the District's 2015 IRP and 2017 IRP Update.

STAN CHEN, P.E.

PROJECT ENGINEER

Mr. Chen has over 20 years of experience in water resource engineering including water supply assessments, water system master plans, water supply plans, hydrologic studies, water rights and supply evaluation, Drinking Water Source Assessment and Protection (DWSAP) Program Plans, and water quality studies. Mr. Chen was involved in the preparation of numerous 2010 and 2015 UWMPs, including the District's 2010 UWMP. Mr. Chen was also involved in the preparation of the District's 2015 IRP and 2017 IRP Update.

SAM LO, P.E.

SENIOR ENGINEER

Mr. Lo is a senior engineer with over 19 years of experience with design of water and recycled water facilities (pipelines, wells, pump stations, treatment facilities, etc.), preparation of environmental documentation for water projects, compliance monitoring of industrial waste discharge programs, and with preparing and implementing NPDES services such as preparing permit application, report monitoring and water quality compliance. Mr. Lo has been supporting the expansion of the Upper San Gabriel Valley Municipal Water District's recycled water system for the past several years. His duties have included construction management support and design of retrofits of customer's irrigation systems to comply with recycled water regulations. Mr. Lo was involved in the preparation of numerous 2010 and 2015 UWMPs, including the District's 2010 UWMP.

JENNY SAVRON

SENIOR ENGINEER

Ms. Savron has over 18 years of experience in water resource engineering. Ms. Savron has been involved in several water system master plans, water supply assessments and has analyzed water system operations. Ms. Savron was also involved in the preparation of numerous 2010 and 2015 UWMPs, including the District's 2010 UWMP.

NOAH WASSERMAN

GIS MANAGER

Mr. Wasserman has been involved in GIS mapping and spatial analysis, including map/figure production and layout, analysis of vector and raster data (including aerial images), data management, online mapping and data applications, etc. As GIS Manager, he has worked extensively on present/historic irrigation aerial photography interpretation and image georeferencing. Mr. Wasserman is proficient in ArcGIS 10.2.2 and has received GIS Professional (GISP) certification.

EXPERIENCE AND REFERENCES

Urban Water Management Plans

Stetson has broad experience in all aspects of water resource engineering, along with directly applicable experience based on past preparation of UWMPs. Stetson has prepared UWMPs for over 20 different clients since 1985 when the initial UWMPs were required. Stetson has also assisted with the preparation of the notice of Public Hearing and attendance in the Public Hearing. In addition, Stetson has previously prepared 2015 UWMPs for the following water agencies:

- Upper San Gabriel Valley Municipal Water District
- City of Monterey Park
- City of Arcadia
- City of Bakersfield
- City of Covina
- City of Downey
- City of Glendora
- City of Lynwood
- City of Manhattan Beach
- City of Monrovia
- City of San Jacinto
- City of Santa Fe Springs
- City of South Pasadena
- City of Whittier
- Liberty Utilities – Apple Valley
- Phelan Piñon Hills Community Services District
- Pico Water District
- San Gabriel County Water District
- San Gabriel Valley Water Company
- Valley County Water District

Stetson is currently preparing the 2020 UWMPs for several of the District's member cities, including the City of Alhambra and the City of Monterey Park.

List of References

Provided below is a list of references of public agency clients for whom Stetson has completed the 2015 UWMP Update.

1. City of South Pasadena
Mr. Anteneh Tesfaye
1414 Mission Street
South Pasadena, CA 91030
(626) 441-4024
atesfaye@southpasadenaca.gov

2. City of Glendora
Mr. Steve Patton
116 E. Foothill Blvd.
Glendora, CA 91741
(626) 914-8200
spatton@ci.glendora.ca.us

3. City of Arcadia
Mr. Tom Tait
11800 Goldring Road
Arcadia, CA 91066
(626) 256-6554
ttait@arcadia.ca.us

Other Relevant Expertise

San Gabriel Valley Municipal Water District

Stetson has provided engineering services for the District for many years, including preparation of the District's 2000, 2005, and 2010 UWMPs as well as the District's 2015 Integrated Resources Plan and 2017 Integrated Resources Plan Update. Stetson also serves as the engineer for the District and has provided the District with design, construction support, grant application, and engineering services for many years.

Stetson serves as the Engineer for the Main Basin Watermaster (Main Basin Watermaster) and has knowledge of the groundwater basin hydrogeology, historical production, projected production trends, and existing groundwater management activities of the Main Basin. Stetson serves as the Engineer for the Raymond Basin Management Board and has knowledge of the groundwater basin hydrogeology, historical production, projected production trends, and existing groundwater management activities of the Raymond Basin. Collectively, Stetson has significant knowledge of the District's existing facilities, and sources of supplies which will be instrumental when preparing the 2020 UWMP for the District.

Water Supply Assessments

Stetson has prepared numerous water supply assessments pursuant to California Water Code Division 6, Part 2.10, Sections 10910-10915 (Water Supply Planning to Support Existing and Planned Future Use) and Government Code 66473.7 which analyze water demands, sources of supply, and reliability of the water supplies.

Recycled Water Projects

Stetson has analyzed recycled water demands, feasibility of the recycled water projects, and project design for multiple recycled water projects. Stetson has analyzed the use of advanced treated recycled water for groundwater replenishment.

Water System Master Plans

Stetson has prepared numerous water system master plans which analyze water system infrastructure and facility capacities, water quality requirements, water demands, sources of supply, and water system and capital improvement planning.

2. PROJECT UNDERSTANDING AND APPROACH

The Urban Water Management Planning Act was established by Assembly Bill 797 in 1983 and has been amended on numerous occasions. In particular, Assembly Bill 11X amended the Urban Water Management Planning Act (UWMP Act) in 1991, by including a requirement for a Water Shortage Contingency Plan. The requirements for UWMPs are found in Sections 10610 through 10656 and Section 10608 of the California Water Code. Section 10631(b) of the California Water Code has been expanded to require additional information on groundwater basin management and reliability of water supply. Sections 10631(h) and 10631(i) were added and require additional information on water supply projects, including the use of desalination. Emphasis on the potential use of recycled water is included in Section 10633. Assembly Bill 1420, which amended Section 10631.5 and added Section 10631.7 in 2007, requires the terms of an eligibility for any water management grant or loan from the California Department of Water Resources (DWR) to be conditioned on the implementation of the water demand management measures described in the UWMP. Pursuant to Assembly Bill 1668 and Senate Bill 606, Sections 10621(c), 10632(a), and 10635(b) were recently added in 2018 and require the preparation and adoption of a Water Shortage Contingency Plan and Drought Risk Assessment as part of an UWMP.

In accordance with the UWMP Act, Sections 10617 and 10621, each urban water supplier providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually, shall prepare, update and adopt its UWMP at least once every five years ending in five and zero.

An UWMP must include the following basic items:

- A description of the service area;
- A description of the existing and planned sources of supply and the reliability of those sources during an average year, a single dry year and multiple dry years;
- A description of existing groundwater management activities;
- A description of opportunities for exchanges or transfers of water;
- A description of historic and projected water use;
- A description of Demand Management Measures;
- A description of all water supply projects and water supply programs that may be undertaken to meet the total projected water use;
- A description of opportunities for development of desalinated water, including ocean water, brackish water, and groundwater, as a long-term supply;
- A discussion of the opportunity to use recycled water; and
- A discussion of the quality of existing sources of water

Water suppliers are required to coordinate the preparation of the 2020 UWMP with other water suppliers and appropriate agencies in the area. All water suppliers are required to notify cities and counties in their service area of the opportunity to submit comments regarding the UWMP during the preparation. The urban water supplier is

required to provide notification to cities and counties within which the supplier provides water supplies at least 60 days prior to a Public Hearing. Water suppliers are required to file their UWMPs, or amendments thereof, with the DWR, the California State Library, and any city or county within which the supplier provides water, no later than 30 days after adoption. UWMPs are reviewed by DWR staff to determine compliance with the requirements of the Urban Water Management Planning Act. Results of the DWR review are provided to urban water suppliers through a review letter. A copy of the 2020 UWMP must be made available for public review during normal business hours within 30 days of submitting the UWMP to DWR.

In preparing the 2020 UWMP for the District, Stetson will ensure all changes to the UWMP Act are incorporated, including California Water Code Sections 10632(a) and 10635(b), pursuant to Assembly Bill 1668 and Senate Bill 606. Stetson will follow DWR's 2020 UWMP Guidebook to ensure all requirements of the Act are addressed. **(Please note: Preparation of the District's 2020 UWMP will be based on DWR's 2020 UWMP Guidebook to ensure all requirements of the UWMP Act are incorporated. DWR anticipates release of the Final 2020 UWMP Guidebook in late November 2020.)** Stetson will incorporate the following additional information during preparation of the 2020 UWMP for the District:

1. Incorporate DWR's updated standardized tables.
2. Review and incorporation of Department of Water Resources' "Final State Water Project Delivery Capability Report 2019", dated August 2020
3. Preparation of a narrative regarding the Incidental Take Permit (ITP) issued by the California Department of Fish and Wildlife to the Department of Water Resources in March 2020.
4. Preparation of a narrative regarding potential Delta water supply improvements through the Bay Delta Conservation Plan and/or Delta Plan (including the March 2020 amendment and proposed Chapter 4 amendment) identifying actions to increase water supply reliability while protecting, restoring, and enhancing the Delta ecosystem.
5. Preparation of a narrative regarding habitat restoration actions under the California EcoRestore program to benefit native fish species.
6. Preparation of a narrative and updates regarding the "Biological Opinion for the Reinitiation of Consultation on the Coordinated Operations of the Central Valley Project and State Water Project", dated October 2019, by the U.S. Fish and Wildlife Service and the National Marine Fisheries Service, and the February 2020 Record of Decision approved by the Bureau of Reclamation regarding modifications to long-term operations of the Central Valley Project.
7. Preparation of a narrative regarding the Delta Conveyance Project (i.e. single tunnel project) to improve delivery reliability.

8. Demonstration of consistency with the reduced reliance policy on the Delta water supplies
9. Preparation of a narrative regarding extension of State Water Project water supply contracts to 2085, including a discussion of the Department of Water Resources' "State Water Project Water Supply Contract Amendments for Water Management, Partially Recirculated Draft Environmental Impact Report", dated February 2020
10. Preparation and adoption of a Water Shortage Contingency Plan and analysis
11. Preparation of a 5-Year Drought Risk Assessment
12. Preparation of a brief seismic risk assessment and mitigation plan (pursuant to DWR's March 10, 2020 guidebook development workshop and additional coordination with DWR)
13. Preparation of a brief energy analysis (pursuant to DWR's March 10, 2020 guidebook development workshop and additional coordination with DWR)
14. Preparation of a brief analysis of water savings from any codes, standards, and ordinances (pursuant to DWR's March 10, 2020 guidebook development workshop and additional coordination with DWR)
15. Inclusion of 5 previous years of distribution system water losses
16. Water suppliers are to calculate their actual 2020 water use (fiscal year 2019-20 or calendar year 2020) to determine whether or not they have met their "2020 target water use" and to assess their progress toward meeting their "2025 target water use."

SCOPE OF SERVICES

Mr. Jeff Helsley will be assigned as the Project Manager and will act as the primary contact. Stetson will provide the following as part of our Scope of Work:

Task 1 – Kick-Off Meeting

Stetson will attend a kick-off meeting (or through video conferencing) with the District staff to define the project objectives, review and determine the schedule, and establish the approach and methodology that will be used to achieve the project objectives. Stetson will review background information and relevant data in support of the project. Stetson will provide the District staff with a list of requested data necessary to prepare the 2020 UWMP.

Task 2 – Information and Data Collection

Following the kick-off meeting (see Task 1), Stetson will provide the District with a data request list. Items from the data request list will include historical water demands, user class information, Demand Management Measures information, water shortage contingency plan information, pipeline leak and water loss data, and current rate schedule.

Task 3 – Data Analysis and Evaluation

Stetson will review and prepare the service area and water supply characteristics. The District will provide any updates to its service area boundary since 2015. Stetson will incorporate a GIS map of the District's service area in DWR's on-line Population Tool to determine historical population data. Projected population data will be based on information developed by the Southern California Association of Governments. Historical water consumption will be based on information provided by the District.

Stetson will quantify the reliable supply and projected demands under an average year, a single dry year and multiple dry years. Stetson will also provide an overview of the management and reliability of the District's water supplies (including groundwater), as well as review the availability of recycled water, and the potential for use by the District as a water resource.

Stetson will work with District staff to review the contents of the existing "Water Shortage Contingency Plan" to determine compliance with current provisions of the UWMP Act. Stetson will provide revisions to the existing Water Shortage Contingency Plan to be consistent with the recent changes to the California Water Code (i.e. 10632(a) and 10635(b)) pursuant to Assembly Bill 1668 and Senate Bill 606. These changes also include a drought risk assessment which Stetson will prepare based on a continuous 5-year drought.

Stetson will work with the District staff to identify all Demand Management Measures (DMMs) implemented by the District. Stetson will work with the District staff to summarize the goals and programs of the DMMs that have been implemented according to the DWR Guidebook. In addition, Stetson will provide a description of DMM programs anticipated to be implemented by the District over the ensuing five years.

Task 4 – Water Demand Projection

Stetson will utilize the information from Task 3 to develop water demand projections in five-year increments from 2020 through 2040. Stetson will estimate average gross water use (gallons per capita per day) based on historical water demands. Pursuant to Senate Bill SB X7_7 and DWR's 2020 UWMP Guidelines, Stetson will estimate the District's projected water use targets and demands.

Task 5 –Draft Report

Based on the information prepared in Tasks 1 through 4 above, Stetson will prepare a Draft UWMP and provide the District with an electronic copy (PDF and MS Word formats) to the District staff. As discussed previously, Stetson will incorporate DWR's standardized tables during preparation of the 2020 UWMP. The tables will be included in the 2020 UWMP and will be prepared in a format suitable for submittal to DWR. Stetson will also provide an on-line link for stakeholders to download the Draft UWMP (in a PDF format). Stetson will include comments from the District staff.

Task 6 – Final Plan

Stetson will prepare the adopted Final 2020 UWMP by incorporating comments from the public hearing and adding the adoption resolution. Stetson will obtain the District's approval of any revisions, prior to submittal of the Final 2020 UWMP to DWR (see Task 7).

Task 7 – Submittals

Stetson will assist the District with submittal of the adopted Final 2020 UWMP to DWR, relevant cities and counties, and the California State Library. As applicable, Stetson will complete the 2020 UWMP checklist and submit the 2020 UWMP electronically through DWR's Water Use Efficiency Data Tool website.

Task 8 – Deliverables

Draft UWMP – As discussed in Task 5, Stetson will prepare the Draft 2020 UWMP and submit one (1) electronic copy (PDF and Word formats).

Final UWMP – Stetson will prepare a Final 2020 UWMP, incorporating comments from the public hearing and including the resolution adopting the Final 2020 UWMP. Stetson will submit five (5) hard copies, one (1) electronic copy in MS Word format, and one (1) electronic copy in a PDF format. Stetson will attend the Public Hearing for the District's 2020 UWMP and will provide support to the District. As indicated in Task 7, Stetson will submit the Final 2020 UWMP to DWR, relevant cities and counties, and the California State Library.

3. PROJECT SCHEDULE

As part of the preliminary project schedule, Stetson has assumed a starting date in October 2020 and that a draft 2020 UWMP will be provided to the District in March 2021. **Preparation of the District's 2020 UWMP will be based on DWR's 2020 UWMP Guidebook to ensure all requirements of the UWMP Act are incorporated. DWR anticipates release of the Final 2020 UWMP Guidebook in late November 2020.** (These dates are provided for planning purposes and will be finalized at the kick-off meeting with the District staff.)

- | | |
|--|----------------------|
| • Review Draft DWR UWMP Guidebook: | Early September 2020 |
| • Attend DWR UWMP Workshop | Mid-September 2020 |
| • Notice to Proceed: | October 2020 |
| • Review Final DWR UWMP Guidebook: | Early December 2021 |
| • Provide the District with Draft 2020 UWMP: | Mid-March 2021 |
| • Receive comments from the District staff: | Mid-April 2021 |
| • Provide the District with Final Draft 2020 UWMP: | Late April 2021 |
| • UWMP Public Hearing: | Mid-May 2021 |
| • Provide the District with Final 2020 UWMP: | Late May 2021 |
| • Submit Final 2020 UWMP to DWR: | Early June 2021 |

(Note: The Final 2020 UMWP will include a copy of the adopting Resolution.)

4. FEE PROPOSAL

A fee schedule for each work task is provided on the following page. The fee schedule includes hourly rate for each personnel category, and any other additional charges to complete the services of this project.

Other costs associated with expenses such as travel to the District's office for meetings (mileage) and document reproduction (draft and final) are included.

**STETSON ENGINEERS INC.
PROJECT BUDGET AND STAFF ALLOCATION
SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
2020 URBAN WATER MANAGEMENT PLAN**



STETSON PROPOSAL
Total Cost : \$ 31,500

Staff/Name	Staff Type	Role	Hourly Rate	Task 1		Task 2		Task 3		Task 4		Task 5		Task 6		Task 7		Task 8		Sub-Total Hrs	Sub-Total Cost
				Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost		
Stephen B. Johnson	Principal	Project Principal	237	2	\$ 474	0	\$ -	0	\$ -	0	\$ -	4	\$ 948	2	\$ 474	0	\$ -	0	\$ -	8	\$ 1,896
Jeff Heldley	Supervisor I	Project Manager	206	2	\$ 412	0	\$ -	0	\$ -	0	\$ -	0	\$ -	6	\$ 1,236	4	\$ 824	2	\$ 412	10	\$ 2,884
Stan Chen	Senior Engineer	Project Engineer	165	4	\$ 660	1	\$ 165	24	\$ 3,960	12	\$ 1,980	8	\$ 1,320	8	\$ 1,320	1	\$ 165	1	\$ 165	58	\$ 9,735
Sam Lo	Senior Engineer	Senior Engineer	165	4	\$ 660	1	\$ 165	16	\$ 2,640	4	\$ 660	8	\$ 1,320	6	\$ 990	1	\$ 165	1	\$ 165	40	\$ 6,765
Jenny Savron	Senior Engineer	Senior Engineer	134	1	\$ 134	2	\$ 268	24	\$ 3,216	16	\$ 2,144	4	\$ 536	4	\$ 536	1	\$ 134	1	\$ 134	52	\$ 7,102
Noah Wasserman	GIS Manager	GIS	122	0	\$ -	0	\$ -	2	\$ 244	0	\$ -	4	\$ 488	2	\$ 244	0	\$ -	0	\$ -	8	\$ 976
Administrative Staff	Administrative I		100	0	\$ -	2	\$ 200	0	\$ -	0	\$ -	4	\$ 400	1	\$ 100	4	\$ 400	1	\$ 100	8	\$ 1,200
Sub Total					\$ 2,340		\$ 798		\$ 10,080		\$ 4,784		\$ 8,012		\$ 4,900		\$ 1,888		\$ 976		\$ 30,558
Expenses					\$ 50		\$ -		\$ -		\$ -		\$ -		\$ -		\$ 150		\$ 700		\$ 900
Total				13	\$ 2,390	6	\$ 798	66	\$ 10,080	32	\$ 4,784	32	\$ 8,012	29	\$ 4,900	11	\$ 1,838	6	\$ 1,076		\$ 31,458

Labor Total \$ 30,558
Expense Total \$ 900
Grand Total \$ 31,458

Notes:
Reimbursable expenses include reproduction costs, mileage, computer charges, telephone and other expenses billed at cost on Fee Schedule.

5. OTHER RELEVANT INFORMATION

INSURANCE REQUIREMENTS

Stetson maintains the following insurance coverage:

General Liability	\$1,000,000 per occurrence/\$2,000,000 aggregate
Professional Errors and Omissions	\$2,000,000 per claim /\$2,000,000 aggregate
Automobile Liability	\$1,000,000 per accident
Worker's Compensation	\$1,000,000 per accident
Umbrella coverage	\$3,000,000 per occurrence/\$3,000,000 aggregate

STATEMENT OF ASSURANCE

Stetson is not currently in violation of any regulatory rules and regulations that may have any impact on Stetson's operations.

APPENDIX A

RESUMES

Name & Title: Steve Johnson, P.E. , Corporate President/CEO and Managing Principal	Project Assignment: Principal Engineer
Years of Experience with Firm 41	Years of Experience With Other Firms 0
Education: Degree(s) / Year / Specialization: B.S. Civil Engineering / 1977 / California Polytechnic University, Pomona	Registrations / Certifications: Civil Engineer No. 32396, California 1981
Experience Record <p>Mr. Johnson is Corporate President/CEO and Managing Principal of the Covina office of Stetson Engineers. Mr. Johnson is responsible for all engineering operations performed by the firm's southern California office, in Covina, California. Mr. Johnson's extremely broad experience covers the southern California work for well over a quarter century. As a Managing Principal, Mr. Johnson is responsible for all corporate management functions and professional engineering support services. Mr. Johnson has represented Stetson for over 40 years, continuous.</p> <p>Mr. Johnson is a designated expert for purposes of water system and water rights evaluation and appraisal. This includes qualification in U.S. Federal Court as an expert under the Daubert rules of qualification. He has provided expert witness testimony on water system/water rights condemnation actions, groundwater contamination cases, and flood damage evaluations and assessments. Mr. Johnson's expertise has supported numerous water systems and water rights transactions and settlements. He has also provided expert witness testimony of the impacts and decision-making associated with water supply contamination, before the California Public Utilities Commission, Administration Law Judge.</p> <p>Mr. Johnson is the designated "Project Engineer" for implementing cleanup of the largest groundwater contamination site in the nation, under the U.S. Environmental Protection Agency's Superfund Program. Under this assignment, Mr. Johnson coordinates with the U.S. EPA, six different water purveyors, the Main San Gabriel Basin Watermaster, the San Gabriel Basin Water Quality Authority, and numerous Responsible Parties and their engineering/legal representatives. This assignment has a current value of \$250 to \$300 million and will produce over 35,000 acre-feet of treated, potable groundwater annually. Mr. Johnson's responsibilities include all phases of project planning, financing, coordination, regulatory compliance, design, contract solicitation, construction management, operations, and performance monitoring for contamination plume control and cleanup. As a predecessor to this assignment, Mr. Johnson supervised the planning, design, construction, operations, and regulatory approval of the first groundwater treatment facility in the United States to successfully treat for Perchlorate and NDMA for potable consumption. This facility was also the first groundwater treatment facility to be permitted for drinking water supply under the California Department of Health Services Policy 97-005 for impaired water supplies.</p> <p>Mr. Johnson represents several prominent water agencies as "Engineer". These agencies include the Main San Gabriel Basin Watermaster, the Upper San Gabriel Valley Municipal Water District, the San Gabriel Valley Municipal Water District, and the San Gabriel Basin Water Quality Authority. Typical assignments include safe yield studies, groundwater contamination characterization and remediation, design, construction management, rate assessment, water supply studies, and reports to the board.</p> <p>Since the early 1980s, Mr. Johnson has been heavily involved with engineering solutions to contamination of drinking water supplies. This work involves a wide range of experience and expertise, including site and regional characterization of soil and groundwater contamination, hydrogeologic studies, groundwater basin modeling, development of cleanup and water supply plans, remediation studies, development and full implementation of treatment projects, and coordination with all regulatory agencies. The contaminants of concern include volatile organic compounds (VOCs), Perchlorate, NDMA, 1-4-dioxane, Chromium and others. This work has been performed in full cooperation with the U.S. Environmental Protection Agency, the State Department of Toxic Substance Control, the Department of Health Services, the State Water Resources Control Board, and the Regional Water Quality Control Board.</p>	

RESUMES

The following projects are a partial list of Mr. Johnson's experience:

URBAN WATER MANAGEMENT PLANS

San Gabriel Valley Municipal Water District

- Urban Water Management Plans

City of Whittier

- Urban Water Management Plans

Valley County Water District

- Urban Water Management Plan

WATER SYSTEM MASTER PLANS

City of Bakersfield

- Water System Master Plan

City of Industry

- Master Plan of Development

GROUNDWATER RESOURCE STUDIES

City of Los Angeles, Department of Water and Power

- Supplemental Water Study

San Jacinto-Hemet

- Groundwater Management Plan

MUNICIPAL ENGINEERING AND FACILITIES DESIGN

Main San Gabriel Basin Watermaster

- Supervision of Engineering Duties

Upper San Gabriel Valley Municipal Water District

- Supervision of District Engineering Duties
- District Mapping

San Gabriel Valley Municipal Water District

- Continuing Developer Interaction Responsibilities

City of Bakersfield

- Review of New Development Plans
- Acquisition of New Facilities

Puente Basin Watermaster

- Supervision of Engineering Duties

Three Valleys Municipal Water District

- Subagency Report

Name & Title: Jeff Helsley, P.E. , Supervising Engineer	Project Assignment: Project Manager
Years of Experience with Firm 20	Years of Experience With Other Firms 17
Education: Degree(s) / Year / Specialization: M.S. Environmental Engineering / 1982 / University of Southern California, Los Angeles (USC) B.S. Civil Engineering / 1981 / California State University, Los Angeles (CSULA)	Registrations / Certifications: Civil Engineer No. 039599, California, 1985
Experience Record <p>Mr. Helsley joined Stetson Engineers, Inc. in 1999 as project manager for water rights quantification and valuation studies, alternative water supply studies, water resource management studies, water facilities design including site improvements for drainage and access, and groundwater recharge feasibility studies including sand and gravel pits in the San Gabriel Valley.</p> <p>His experience includes employment with the Los Angeles County Department of Public Works in the Hydraulic/Water Conservation Division. As a Supervising Civil Engineer I in the Planning Unit, he was responsible for studies to develop improvements to the County's injection barriers to prevent seawater intrusion, and studies of groundwater recharge optimization.</p> <p>Mr. Helsley was also formerly the District Engineer and Assistant General Manager of the Water Replenishment District of Southern California, where he was responsible for the development and implementation of programs to enhance groundwater recharge, improve groundwater basin management, and protect groundwater quality.</p> <p><u>Chino Pipeline and Facilities Improvements Project</u></p> <ul style="list-style-type: none"> • Well-site review, permitting and design including a drainage study and retention basin design • Well construction oversight • Pump testing and station design • Nitrate Removal Treatment Plant Design • Design for three separate pipelines • Assistance in pipeline permitting • Preparation of specifications and bid documents <p><u>San Luis Rey Indian Water Rights Dispute, San Diego County</u></p> <p><u>Antelope Valley Groundwater Recharge and Recovery Study</u></p> <p><u>San Gabriel Valley Municipal Water District 30" Pipeline Realignment</u></p> <p><u>City of Pomona Water Pipeline Replacement Design</u></p> <p><u>Water Supply Assessments</u></p> <ul style="list-style-type: none"> • The Shops at Santa Anita, Arcadia, California • Copa de Oro Development, Rosemond, California • Newhall County Water District, Santa Clarita Valley, California • Uptown Specific Plan, Whittier, California • Monrovia Nursery, Azusa/Glendora, California • West Main Street Master Plan, Alhambra, California • Valley Vision Specific Plan, San Gabriel, California 	

Jeff Helsley, Project Engineer

(Continued)

City of Monterey Park Perchlorate Treatment System Procurement

City of Glendale Wellhead Treatment Feasibility Study and Design

Wellhead Treatment Systems – San Marino Service Area, Feasibility and Options Analysis Report

Water System Master Plans

- City of Covina
- Pahrump, Nevada, included the Water System, the Sewage Collection System and Lift Stations
- Fontana Water Company
- San Gabriel Valley Water Company, Los Angeles County Division

City of San Luis Obispo Groundwater Development Project

Review of Recycled Water Use, Forest Hills Memorial Park, Covina Hills

Water Supply Feasibility Studies

- Sierra Bella Development, Lucerne Valley, California
- Sierra Lakes Development, Santa Clarita Valley, California
- Rolling Meadows Development, Tejon Ranch, California
- East Highlands Ranch, Upland, California
- Larsen Ranch, Antelope Valley, California

East Raymond Basin Water Resources Plan

Rancho Cordova Perchlorate Contamination Litigation Support

Groundwater Supply Development Cost Study, Laredo, Texas

Groundwater Yield Review, Bureson County, Texas

Wrightwood Groundwater Study

Rincon Groundwater Study

Torrez Martinez Water Feasibility Study

Spring Creek Booster Station Design

Water Rights Appraisal – Hearst Ranch

Antelope Valley Water Rights Adjudication

LAFCO Municipal Water Service Review, Santa Clarita Valley

Review of Proposal Antelope Valley Water Bank

Arrow Well Wellhead Treatment Design

Los Angeles County Department of Public Works (LACDPW) Alamitos Barrier Project - Seawater Barrier

- Deficiency/Feasibility Study
- Injection Well Design
- Injection Well Construction

LACDPW Dominguez Gap Barrier - Seawater Barrier, Deficiency/Feasibility Study

Jeff Helsley, Project Engineer

(Continued)

LACDPW West Coast Barrier Project - Seawater Barrier

- Geophysical Exploration
- Deficiency/Feasibility Study

Landfill Gas Mitigation Measures

County Solid Waste Management Plan

Montebello Forebay Groundwater Recharge Study

National Pollution Discharge Elimination System (NPDES) Permit Modifications

Injection Well Maintenance Study



Name & Title: Stan Chen, P.E. , Civil Engineer	Project Assignment: Project Engineer
Years of Experience with Firm 20	Years of Experience with Other Firms 2
Education: Degree(s) / Year / Specialization: B.S. Environmental Engineering / 1999 / University of California, Berkeley M.S. Civil Engineering / 2000 / University of California, Los Angeles	Registrations / Certifications: E.I.T. No. 107911, State of California, July 9, 1999 P.E. No. 66883, State of California, June 25, 2004
<p>Experience Record</p> <p>Mr. Chen has experience in water resource engineering including water system master plans, water supply plans, hydrologic studies, water rights and supply evaluation, and water quality studies.</p> <p><u>San Gabriel Valley Water Company – Fontana Division</u></p> <ul style="list-style-type: none"> - Prepared a Comprehensive Master Plan for San Gabriel Valley Water Company’s Fontana Division - Prepared Water Supply Assessment reports for San Gabriel Valley Water Company’s Fontana Division regarding different specific plans <p><u>San Gabriel Basin Water Quality Authority</u></p> <ul style="list-style-type: none"> - Evaluated differences between granular activated carbon specifications and costs between vendors <p><u>Los Angeles County Local Agency Formation Commission</u></p> <ul style="list-style-type: none"> - Prepared a regional comprehensive water study of Santa Clarita Valley water purveyors <p><u>Newhall County Water District</u></p> <ul style="list-style-type: none"> - Prepared a Water Supply Assessment of the Santa Clarita Valley <p><u>Drinking Water Source Assessment and Protection Program</u></p> <ul style="list-style-type: none"> - Conducted groundwater assessments for approximately 200 sources in the Main San Gabriel Basin and Raymond Basin <p><u>San Luis Rey Indian Water Authority</u></p> <ul style="list-style-type: none"> - Prepared current and projected water supply and demand analysis - Investigated water rights to the San Luis Rey River <p><u>San Luis Obispo, California</u></p> <ul style="list-style-type: none"> - Conducted water rights evaluation and costs - Evaluated nitrate treatment technologies for contaminated groundwater <p><u>Copa de Oro, California</u></p> <ul style="list-style-type: none"> - Performed water conservation study for a 1,200 unit development <p><u>Southern California Water Company</u></p> <ul style="list-style-type: none"> - Performed region wide evaluation of system performance based upon water quality, system capacity, and reliability issues - Conducted groundwater rights/supply cost evaluation due to contamination <p><u>City of Arcadia, California</u></p> <ul style="list-style-type: none"> - Prepared a Water Supply Assessment for the City of Arcadia <p><u>City of Alhambra, California</u></p> <ul style="list-style-type: none"> - Prepared a Water Supply Assessment for the City of Alhambra 	

RESUMES

Stan Chen, Project Engineer

(Continued)

San Gabriel County Water District, California

- Prepared a Water Supply Assessment for the San Gabriel County Water District

Upland, California

- Performed Best Management Practice cost evaluation regarding stormwater runoff from a freeway into a residential development

Newport Beach, California.

- Evaluated hydraulic impacts of stormwater on property.

Name & Title: Sam Lo, P.E., Senior Engineer	Project Assignment: Project Engineer
Years of Experience with Firm 19	Years of Experience with Other Firms 1
Education: Degree(s) / Year / Specialization: B.S. Environmental Engineering / 2001 / University of California, Irvine	Registrations / Certifications: P.E. No. 47487, State of Washington, October 21, 2010 E.I.T. No. 111909, California, June 2001 Environmental Management, UC Irvine, 2002
<p>Experience Record</p> <p>Mr. Lo has experience in water resource engineering including the permitting and design of new wells, groundwater treatment facilities and pipelines, project management, CEQA compliance including preparation of Initial Environmental Studies, and preparation of water system master plans, water rights and supply evaluation.</p> <p>WELL & WELLHEAD DESIGN</p> <p><u>California American Water Company – Richardson Well</u></p> <ul style="list-style-type: none"> Project Engineer for permitting and design for a 1,500 gpm municipal production well. <p><u>Tract 349 Mutual Water Company – Well No. 2</u></p> <ul style="list-style-type: none"> Project Engineer for permitting and design for a 900 gpm municipal production well. <p><u>California American Water Company – Lemon Well</u></p> <ul style="list-style-type: none"> Project Engineer for permitting and design for a 225 gpm municipal production well. <p>TREATMENT PLANT DESIGN</p> <p><u>Valley County Water District, Baldwin Park, California</u></p> <ul style="list-style-type: none"> <i>Valley County Water District's Arrow Lante Treatment Facility Project:</i> The project includes site, structural, mechanical and electrical engineering for the installation of Calgon Carbon Corporation ISEP and Trojan Technologies UV treatment equipment designed to clean contaminated groundwater to California drinking water standards. Assist in design of treatment systems. Create engineering plans using AutoCAD. Assist with preparation of Specifications and Contract Documents. <p><u>City of Monterey Park, California</u></p> <ul style="list-style-type: none"> Design of the Granular Activated Carbon Treatment System at the City of Monterey Park's Delta Plant. <p>PROJECT AND CONSTRUCTION MANAGEMENT – TREATMENT PLANTS AND WELLS</p> <p><u>San Gabriel Valley Water Company, Baldwin Park, California</u></p> <ul style="list-style-type: none"> Managed and supervised the construction of the Single Pass Ion Exchange system for the treatment of Perchlorate. Perform construction management duties including routine field visits to track and document construction progress, process change order requests, and provide clarifications to contractors on design. <p><u>Pala Band of Mission Indians, California</u></p> <ul style="list-style-type: none"> Managed and supervised the construction of six (6) groundwater extraction wells and two (2) groundwater monitoring wells. 	

Sam Lo, Project Engineer*(Continued)***La Puente Valley County Water District, California**

- Supervised the construction of groundwater extraction well and coordination with United States Environmental Protection Agency and Los Angeles County Department of Public Works on the disposal of well development water.

PIPELINE DESIGN**San Gabriel Valley Water Company, Baldwin Park, California**

- *San Gabriel Valley Water Company's Plant B6 Raw Water Pipeline and Treated Water Pipeline:* Conduct preliminary design research including field verification and utility search. Assist in design of two 24 to 30-inch diameter pipelines totaling approximately 6,000 feet long. Create engineering plans using AutoCAD. Assist with preparation of Specifications and Contract Documents.
- *San Gabriel Valley Water Company's Plant B5 Onsite Treatment Process Pipeline:* Assist in design of pipelines. Create engineering plans using AutoCAD. Assist with preparation of Specifications and Contract Documents.

Los Valles Development, Castaic, California

- *Los Valles Development's Recycled Water Pipeline:* Conduct preliminary design research including field verification and utility search. Assist in design of 16-inch diameter, 8,600 foot long pipeline. Create engineering plans using AutoCAD. Assist with preparation of Specifications and Contract Documents.

Upper San Gabriel Valley Municipal Water District, El Monte, California

- *Upper San Gabriel Valley Municipal Water District's Recycled Water System Retrofits:* Design of onsite recycled water system pipelines. Create engineering plans using AutoCAD. Assist with preparation of Specifications and Contract Documents.

PROJECT AND CONSTRUCTION MANAGEMENT – PIPELINES**Upper San Gabriel Valley Municipal Water District, El Monte, California**

- *Upper San Gabriel Valley Municipal Water District's Package 3 & 4 Recycled Water Pipelines:* Perform construction management duties including routine field visits to track and document construction progress, process change order requests, and provide clarifications to contractors on design.



Name & Title: Jenny Savron, Senior II	Project Assignment: Project Manager
Years of Experience with Firm 17	Years of Experience with Other Firms
Education: Degree(s) / Year / Specialization: B.S. Environmental Engineering / 2002 / University of California, Irvine	Registrations / Certifications: E.I.T. No. 116828, State of California, June 2003
<p>Experience Record</p> <p>Ms. Savron has experience in water resource engineering including urban water management plans, water system master plans, water supply plans, hydrologic studies, water rights and supply evaluation, and water quality studies.</p> <p><u>Develop Urban Water Management Plans:</u></p> <ul style="list-style-type: none"> • Upper San Gabriel Valley Municipal Water District • City of Bakersfield • City of Whittier • City of San Jacinto • City of South Pasadena • City of Downey <p><u>San Gabriel River Watermaster</u></p> <ul style="list-style-type: none"> • Prepare an Annual Report identifying usable surface flow, unusable outflow and subsurface flow across Whittier Narrows <p><u>Main San Gabriel Basin Watermaster</u></p> <ul style="list-style-type: none"> • Participate in the development and implementation of the Five-Year Water Quality and Supply Plan. • Prepare the Annual Report, which reviews each year's activities, water rights history and water use. • Develop staff reports reviewing potential impacts on groundwater contamination as a result of drilling new wells. • Prepare the annual Operating Safe Yield report. <p><u>Develop Water System Master Plan and Sewer Master Plan</u></p> <ul style="list-style-type: none"> - City of San Jacinto <p><u>Develop Water Supply Assessments</u></p> <ul style="list-style-type: none"> - San Gabriel County Water District - City of South Pasadena - City of Monrovia 	

Name & Title: Noah Wasserman, GIS Analysis	Project Assignment: Geographic Information Systems Specialist
Years of Experience with Firm: 12	Years of Experience With Other Firms: 3
Education: Degree(s) / Year / Specialization: M.A. / 2009 / Geography / San Francisco State University B.A. / 2001 / Urban Studies and Planning / University of California, San Diego	Registrations / Certifications: Geographic Information Systems Professional (GISP) / May 2015
Experience Record <p>Mr. Wasserman has been working with GIS since 2007. At Stetson Engineers, Mr. Wasserman has focused on GIS mapping and spatial analysis. Typical tasks include (but are not limited to) map/figure production and layout, analysis of vector and raster data (including aerial images), data management, online mapping and data applications, etc. He has worked extensively on present/historic irrigation aerial photography interpretation and image georeferencing as they relate to Stetson projects.</p> <p>2007 – Present, Stetson Engineers, Inc.</p> <p>GIS and spatial analyst technician, support water resources management projects across the American West. Provide technical support and project design to project managers on irrigation, water rights and resource management projects in addition to map/figure layout production, and online mapping and data applications.</p> <p>Other work experience</p> <p>GIS Consultant for Intersect, LLC, San Jose, CA</p> <p>Mr. Wasserman provided GIS and cartographic support for international materials sampling project. Typical tasks included preparation and analysis of country scale spatial data as well as map/figure production. Created and edited map layouts from collected data for project reporting and planning purposes.</p> <p>Master's Degree Program at San Francisco State University, CA</p> <p>Mr. Wasserman's course work included several GIS classes specific to resource management as well as instruction in remote sensing and analysis techniques. GIS projects included (but were not limited to) analysis of historic serpentine grasslands within San Francisco's Presidio, a report and examples on how GIS tools could be utilized to help assess and guide rebuild/redesign efforts in post-hurricane-Katrina New Orleans, and finally analysis of vegetation changes in alpine and subalpine communities of the Sierra Nevada Mountains, which was completed as a Master's Thesis titled <i>Vegetation Change Trends in Yosemite National Park Over the Last Century (1890-2008)</i>.</p> <p>GIS Intern for Telesis Corporation, San Diego, CA</p> <p>Worked with ArcView software to organize source data and conducted test mapping for various community projects including San Diego crime mapping and PG&E streetlight maintenance projects.</p> <p>Bachelor's Degree Program at University of California, San Diego, CA</p> <p>As part of the UCSD's Urban Studies and Planning department core curriculum, Mr. Wasserman's first exposure to GIS was on the ESRI ArcView 3.x suite. Since then, he has had experience working with a number of spatial analysis software packages including ArcGIS (ArcMap 9.x), ArcExplorer, and Erdas Imagine 9.x. As an undergraduate, he interned for the Telesis Corporation and completed a senior research project which utilized GIS tools to analyze regional socio-economics and various educational indicators of local San Diego high schools as they related to achievement gaps and access to higher education. In 2003, Mr. Wasserman helped research, manage data, and produce the joint Conservation International and United Nations Environment Programme publication <i>Tourism and Biodiversity: Mapping Tourism's Global Footprint</i>. The accompanying ArcExplorer and data CD was designed and developed by Mr. Wasserman.</p>	

APPENDIX B

STETSON STANDARD FEE SCHEDULE



Standard Billing Rate Schedule

Professional Fees

Principal	\$237.00	Per Hour
Special Project Director	\$237.00	Per Hour
Project Manager, Senior	\$206.00	Per Hour
Supervisor I	\$206.00	Per Hour
Supervising Soil Scientist	\$191.00	Per Hour
Supervisor II	\$191.00	Per Hour
Supervisor III	\$185.00	Per Hour
Senior I	\$165.00	Per Hour
Senior II	\$149.00	Per Hour
Senior III	\$134.00	Per Hour
Construction Manager	\$134.00	Per Hour
Construction Manager / Oversight	\$118.00	Per Hour
Senior Construction Inspector	\$118.00	Per Hour
Senior Field Geologist	\$134.00	Per Hour
Senior Associate	\$128.00	Per Hour
Associate I	\$122.00	Per Hour
Associate II	\$116.00	Per Hour
Associate III	\$111.00	Per Hour
Associate Soil Scientist	\$111.00	Per Hour
Senior Assistant	\$103.00	Per Hour
Assistant I	\$98.00	Per Hour
Assistant II	\$93.00	Per Hour
Assistant Soil Scientist	\$93.00	Per Hour
Assistant III	\$88.00	Per Hour
GIS Manager	\$122.00	Per Hour
GIS Specialist I	\$101.00	Per Hour
GIS Specialist II	\$91.00	Per Hour
Technical Illustrator	\$88.00	Per Hour
AutoCAD Technician	\$88.00	Per Hour
Soil Technician	\$77.00	Per Hour
Aide I	\$72.00	Per Hour
Aide II	\$62.00	Per Hour
Aide III	\$57.00	Per Hour
Project Coordinator I	\$134.00	Per Hour
Project Coordinator II	\$98.00	Per Hour
Project Coordinator III	\$88.00	Per Hour
Contract Management	\$103.00	Per Hour
Administrative I	\$72.00	Per Hour
Administrative II	\$67.00	Per Hour
Administrative III	\$62.00	Per Hour

Effective January 1, 2019

Direct Expense Rates

Expense Description	Billing Rate
Fax	\$0.30 / Page
Mileage	\$* / Mile
Reproduction: Black & White (In-House)	\$0.15 / Page
Reproduction: Color - 8.5" x 11" (In-House)	\$0.89 / Page
Reproduction: Color - 11" x 17" (In-House)	\$1.89 / Page
Plotter Reproduction (In-House)	\$1.50 / Sq. Ft.
Specialty Computer Expense (In-House)	\$15.00 / Hour
4x4 Truck with Drill Rig	\$150.00 / Day
Survey Equipment	\$120.00 / Day

Notes:

- 1) * Mileage is billed at the current IRS approved mileage rate and may be subject to change.
- 2) Subcontractor services will be charged at cost plus 10% administration fee.
- 3) All other project reimbursable expenses (i.e., telephone, commercial transportation, meals, lodging, postage, outside reproduction, etc.) will be billed at cost.
- 4) Testimony fees are 150% of standard rates and apply to depositions, court time and time spent on stand-by at attorney's request. Travel time and preparation time is charged at standard rates. Stetson Engineers Inc. authorizes only staff at associate classification or higher to testify as expert witnesses.