



**CITY MANAGER /CITY ATTORNEY
SIGNATURE REQUEST ROUTING FORM**

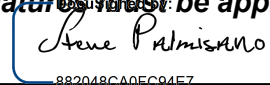
Include insurance documents, signed agreements, and all relevant documentation.

All documents must be signed by contractor/lessee and in Munis (if applicable) prior to routing to City Clerk.

Request:

- City Manager Signature City Attorney Review/Approval Notarization Munis Approval NOT REQUIRED
- IT Reviewed (if applicable) – THIS CONTRACT INVOLVES TECHNOLOGY, AN EMAIL FROM THE IT DIRECTOR APPROVING THE CONTRACT MUST ACCOMPANY THIS FORM.

All documents routed for signatures must be approved by Department Head.

Department Head Approval:  Date: 2/9/2021 | 4:41 PM PST
882048CA0FC94E7
 Signature

To be completed by initiating department: (PLEASE COMPLETE ENTIRELY)

Staff Responsible: Mindy Esqueda Department: Public Works Phone Ext: 3109

Contractor/Vendor Name: HydroScience Engineers, Inc.

Project Title: Freedom Blvd and Green Valley Water & Sewer Improvements

Original Contract Amount: \$ 376,691.00 Changer Order/Amendment No(s) _____

Amendment Amount \$ _____ Cumulative Total \$ _____

Funding Source (Name of Acct. & Enterprise) Wastewater CIP Freedom Blvd; Water CIP V

Budget Account No(s): 50%= 911-7835-14623 , 50%= 913-7831-14834

Resolution No. (if any): _____ MUNIS Contract No. (if applicable): _____

- Document is within CM signature authority up to \$100,000 (cumulative) for professional services or Public projects meeting the amount set forth in subdivision (b) of California Public Contract Code Section 22032, except as otherwise provided by State legislation, the project shall be let to contract by formal bidding procedure.
- Insurance is up to date and included.
- (For Bids only) DIR Extract Form has been filled and attached (due within 5 days of award of contract by Council or within 5 days from City Manager signature of Quick Bid)
- This is a form agreement prepared by City Attorney's Office.
(See <http://intranet.ci.watsonville.ca.us/node/303>)
 - No changes were made; or
 - Changes are described AND redlined version is attached.
- This is not a form agreement prepared by City Attorney's Office.
Previously prepared or reviewed by: _____
- \$10,000 to \$100,000 complete memo stating quotes obtained, include names and amounts, if did not obtain any, explain reasons pursuant to WMC 3-5.530.
- Sole Source (attach memo explaining reasons for sole source or list any other exemptions pursuant to (WMC 3-5.210)).

Description of project, scope of work or purchase (must be detailed, incomplete or deficient statements will be sent back):

Consultant to prepare plans and specifications for the water and sewer main replacements at Freedom Blvd and Green Valley Road. This agreement is being presented to City Council for approval on 2/23/2021.

Consultant Required to File FPPC Form 700 (Statement of Economic Interests)

**CONTRACT FOR CONSULTANT SERVICES BETWEEN
THE CITY OF WATSONVILLE AND HYDROSCIENCE ENGINEERS, INC.**

THIS CONTRACT, is made and entered into this _____,
by and between the **City of Watsonville**, a municipal corporation, hereinafter called
"City," and **HydroScience Engineers, Inc.**, hereinafter called "Consultant."

WITNESSETH

WHEREAS, the City needs to obtain certain professional, technical and/or
specialized services of an independent contractor to assist the City in the most
economical manner; and

WHEREAS, Consultant has the requisite skill, training, qualifications, and
experience to render such services called for under this Contract to City.

THE PARTIES HEREBY AGREE AS FOLLOWS:

SECTION 1. SCOPE OF SERVICES. Consultant shall perform those services as
specified in detail in Exhibit "A," entitled "SCOPE OF SERVICES" which is attached
hereto and incorporated herein.

SECTION 2. TERM OF CONTRACT. The term of this Contract shall be from
February 15, 2021 to June 30, 2023, inclusive.

SECTION 3. SCHEDULE OF PERFORMANCE. The services of Consultant are
to be completed according to the schedule set out in Exhibit "B," entitled "SCHEDULE
OF PERFORMANCE," which is attached hereto and incorporated herein. Consultant will
diligently proceed with the agreed Scope of Services and will provide such services in a
timely manner in accordance with the "SCHEDULE OF PERFORMANCE."

SECTION 4. COMPENSATION. The compensation to be paid to Consultant
including both payment for professional services and reimbursable expenses as well as
the rate and schedule of payment are set out in Exhibit "C" entitled "COMPENSATION,"
which is attached hereto and incorporated herein.

SECTION 5. METHOD OF PAYMENT. Except as otherwise provided in Exhibit
"C," each month, Consultant shall furnish to the City a statement of the work performed
for compensation during the preceding month. Such statement shall also include a
detailed record of the month's actual reimbursable expenditures.

SECTION 6. INDEPENDENT CONSULTANT. It is understood and agreed that
Consultant, in the performance of the work and services agreed to be performed by
Consultant, shall act as and be an independent Consultant and not an agent or
employee of City, and as an independent Consultant, shall obtain no rights to retirement

benefits or other benefits which accrue to City's employees, and Consultant hereby expressly waives any claim it may have to any such rights.

SECTION 7. ASSIGNABILITY. Consultant shall not assign or transfer any interest in this Contract nor the performance of any of Consultant's obligations hereunder, without the prior written consent of City, and any attempt by Consultant to so assign this Contract or any rights, duties or obligations arising hereunder shall be void and of no effect.

SECTION 8. INDEMNIFICATION.

To the full extent permitted by law (subject to the limitations of Civil Code section 2782.8 for any "design professional services" performed under this Contract), Consultant will indemnify, hold harmless, release and defend the City (including its officers, elected or appointed officials, employees, volunteers or agents) from and against any and all liability or claims (including actions, demands, damages, injuries, settlements, losses or costs [including legal costs and attorney's fees])(collectively "Liability") of any nature, to the extent arising out of, pertaining to, or relating to Consultant's negligence, recklessness, or willful misconduct in the performance of this Contract. In no event shall the cost to defend charged to the Consultant exceed the Consultant's proportionate percentage of fault. Consultant's indemnification obligations under this Contract are not limited by any limitations of any insurance held by Consultant, including, but not limited to, workers compensation insurance.

SECTION 9. INSURANCE.

A. Errors and Omissions Insurance. Consultant shall obtain and maintain in full force throughout the term of this Contract a professional liability insurance policy (Errors and Omissions), in a company authorized to issue such insurance in the State of California, with limits of liability of not less than One Million Dollars (\$1,000,000.00) to cover all professional services rendered pursuant to this Contract.

B. Auto and Commercial General Liability Insurance. Consultant shall also maintain in full force and effect for the term of this Contract, automobile insurance and commercial general liability insurance with an insurance carrier satisfactory to City, which insurance shall include protection against claims arising from bodily and personal injury, including death resulting therefrom, and damage to property resulting from any actual occurrence arising out of the performance of this Contract. The amounts of insurance shall not be less than the following:

(1) Commercial general liability insurance, or equivalent form, with a combined single limit of not less than \$500,000.00 per occurrence. If such insurance contains a general aggregate limit, such limit shall apply separately to each project Consultant performs for City. Such insurance shall (a) name City, its appointed and elected officials, and its employees as insureds; and (b) be primary with respect to insurance or self-insurance programs maintained by City and (c) contain standard separation of insured's provisions.

(2) Business automobile liability insurance, or equivalent form, with a combined single limit of not less than \$500,000.00 per occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.

C. Workers' Compensation Insurance. In accordance with the provisions of Section 3700 of the Labor Code, Consultant shall be insured against liability for Workers' Compensation or undertake self-insurance. Consultant agrees to comply with such provisions before commencing performance of any work under this Contract.

D. Proof of Insurance to City before Notice to Proceed to Work. Consultant shall satisfactorily provide certificates and endorsements of insurance to the City Clerk before Notice to Proceed to Work of this Contract will be issued. Certificates and policies shall state that the policy shall not be canceled or reduced in coverage without thirty (30) days written notice to City. Approval of insurance by City shall not relieve or decrease the extent to which Consultant may be held responsible for payment of damages resulting from services or operations performed pursuant to this Contract. Consultant shall not perform any work under this Contract until Consultant has obtained the required insurance and until the required certificates have been submitted to the City and approved by the City Attorney. If Consultant fails or refuses to produce or maintain the insurance required by these provisions, or fails or refuses to furnish City required proof that insurance has been procured and is in force and paid for, City shall have the right at City's election to forthwith terminate this Contract immediately without any financial or contractual obligation to the City. As a result of such termination, the City reserves the right to employ another consultant to complete the project.

E. Written notice. Contractor shall provide immediate written notice if (1) any insurance policy required by this Contract is terminated; (2) any policy limit is reduced; (3) or any deductible or self insured retention is increased.

SECTION 10. NON-DISCRIMINATION. Consultant shall not discriminate, in any way, against any person on the basis of age, sex, race, color, creed, national origin or disability in connection with or related to the performance of this Contract.

SECTION 11. TERMINATION.

A. City and Consultant shall have the right to terminate this Contract, without cause, by giving not less than ten (10) days written notice of termination.

B. If Consultant fails to perform any of its material obligations under this Contract, in addition to all other remedies provided by law, City may terminate this Contract immediately upon written notice.

C. The City Manager is empowered to terminate this Contract on behalf of City.

D. In the event of termination, Consultant shall deliver to City copies of all work papers, schedules, reports and other work performed by Consultant and upon receipt thereof, Consultant shall be paid in full for services performed and reimbursable expenses incurred to the date of termination.

SECTION 12. COMPLIANCE WITH LAWS. Consultant shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local governments. Consultant shall obtain and maintain a City of Watsonville business license during the term of this Contract.

SECTION 13. GOVERNING LAW. City and Consultant agree that the law governing this Contract shall be that of the State of California. Any suit brought by either party against the other arising out of the performance of this Contract shall be filed and maintained in the Municipal or Superior Court of the County of Santa Cruz.

SECTION 14. PRIOR CONTRACTS AND AMENDMENTS. This Contract represents the entire understanding of the parties as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Contract may only be modified by a written amendment.

SECTION 15. CONFIDENTIAL INFORMATION. All data, documents, discussions or other information developed or received by or for Consultant in performance of this Contract are confidential and not to be disclosed to any person except as authorized by the City Manager or his designee, or as required by law.

SECTION 16. OWNERSHIP OF MATERIALS. All reports, documents or other materials developed or received by Consultant or any other person engaged directly by Consultant to perform the services required hereunder shall be and remain the property of City without restriction or limitation upon their use.

SECTION 17. COVENANT AGAINST CONTINGENT FEES. The Consultant covenants that Consultant has not employed or retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure the Contract, and that Consultant has not paid or agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fees, commissions, percentage, brokerage fee, gift, or any other consideration contingent on or resulting from the award or making of this Contract, for breach or violation of this covenant, the City shall have the right to annul this Contract without liability, or in its discretion, to deduct from the Contract price or consideration or otherwise recover, the full amount of such fee, commission, percentage fee, gift, or contingency.

SECTION 18. WAIVER. Consultant agrees that waiver by City or any one or more of the conditions of performance under this Contract shall not be construed as waiver of any other condition of performance under this Contract.

SECTION 19. CONFLICT OF INTEREST.

A. A Consultant shall avoid all conflict of interest or appearance of conflict of interest in performance of this Contract. Consultant shall file a disclosure statement, if required by City Council Resolution, which shall be filed within thirty (30) days from the effective date of this Contract or such Resolution, as applicable.

B. No member, officer, or employee of the City, during their tenure, or for one (1) year thereafter, shall have any interest, direct or indirect, in this Contract or the proceeds thereof and Consultant agrees not to allow, permit, grant, transfer, or otherwise do anything which will result in such member, officer, or employee of the City from having such interest.

SECTION 20. AUDIT BOOKS AND RECORDS. Consultant shall make available to City, its authorized agents, officers and employees, for examination any and all ledgers and books of account, invoices, vouchers, canceled checks and other records or documents evidencing or related to the expenditures and disbursements charged to the City, and shall furnish to City, its authorized agents and employees, such other evidence or information as City may require with respect to any such expense or disbursement charged by Consultant.

SECTION 21. NOTICES. All notices shall be personally served or mailed, postage prepaid, to the following addresses, or to such other address as may be designated by written notice by the parties:

CITY

City Clerk's Office
275 Main Street, Suite 400
Watsonville, CA 95076
(831) 768-3040

CONSULTANT

HydroScience Engineers, Inc.
1922 The Alameda, Suite 212
San Jose, CA 95126
(408) 363-3884

SECTION 22. EXHIBITS:

- Exhibit A: Scope of Services
- Exhibit B: Schedule of Performance
- Exhibit C: Compensation

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WITNESS THE EXECUTION HEREOF, on the day and year first hereinabove written.

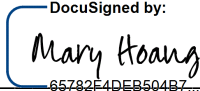
CITY

CONSULTANT

CITY OF WATSONVILLE

HYDROSCIENCE ENGINEERS, INC.

BY _____
Matthew D. Huffaker, City Manager

BY  _____
Mary Hoang, Principal

ATTEST:

BY _____
Beatriz Vázquez Flores, City Clerk

APPROVED AS TO FORM:

In Process

BY _____
Alan J. Smith, City Attorney

EXHIBIT "A"

SCOPE OF SERVICES

The scope of services is as follows:

See attached Scope of Services, "Exhibit A"

In Process

EXHIBIT "B"

SCHEDULE OF PERFORMANCE

Services shall commence immediately upon execution of this Contract. All services performed under the provisions of this Contract shall be completed in accordance with the following schedule:

Complete all services in Scope of Work by June 30, 2023

In Process

EXHIBIT "C"

COMPENSATION

a. Total Compensation. The total obligation of City under this Contract shall not exceed \$376,691.00

b. Basis for Payment. Payment(s) to Consultant for services performed under this Contract shall be made as follows and shall include payment for reimbursable expenses.

c. Payment Request. Consultant shall submit a request for payment for services on a monthly basis by letter to Director, or said Director's designated representative. Such request for payment shall cover the preceding monthly period during the term hereof, shall note the City's purchase order number for this Contract, shall contain a detailed listing of the total number of items or tasks or hours for which payment is requested, the individual dates on which such services were rendered, and invoices for reimbursable expenses, if any. Upon receipt in the Office of Director of said payment request, Director shall cause payment to be initiated to Consultant for appropriate compensation.

In Process

February 5, 2021

HydroScience Engineers, Inc.
1922 The Alameda, Suite 212
San Jose, CA 95126
408.363.3884

Danielle Green
Principal Engineer
Via email: danielle.green@cityofwatsonville.org

Subject: Freedom Blvd and Green Valley Water and Sewer Improvements Engineering Services - Phase 2 Design

Dear Danielle:

The following is HydroScience Engineers, Inc. (HydroScience) scope of work and fee to prepare plans and specifications for the water and sewer main replacements at Freedom Boulevard, Green Valley Road, and adjacent streets per the Preliminary Design Report (PDR) for Freedom Blvd Water and Sewer Improvements Phase 1 for the City of Watsonville (City). The City is planning a roadway replacement project on Freedom Boulevard and Green Valley Road and construction is slated for Spring 2022. Prior to roadway replacement, the City would like to make any necessary improvements to the water and sewer pipelines on, adjacent to, and intersecting these roadways.

The locations of replacements are described in **Table 1** and shown in **Figures 1 and 2**. The City has indicated that this project is categorically exempt, and that the City will be responsible for CEQA.

Table 1. Watsonville Water and Sewer Main Replacement on Freedom and Green Valley

Project #	Street	From	To	Existing			New		
				Dia (in)	Type	Length (ft)	Dia (in)	Type	Length (ft)
W1	Freedom Blvd	Arthur Rd.	Crestview Dr.	14	CIP	1180	8	PVC	1180
	Intersection Alta Vista Ave./Freedom Blvd.	Alta Vista Ave at 14" main	18" main on Freedom Blvd.	None			8	PVC	44
W2	Freedom Blvd	Compton Terrace	Burchell Ave	4	CAS	783	8	PVC	783
	Burchell Ave	Burchell Ave	Freedom Blvd	6		87	8	PVC	87
W3	Freedom Blvd	Green Valley Rd	Blanca Ln	14	CIP	1805	16	DIP	1805
Replacement and New Water Main Total:							3,899		
S1	Green Valley Rd	Thicket Ln	Carnation Dr	8	ACP	575	8	CIPP	575
	Carnation Dr	Green Valley Rd	Almost midway between Green Valley Rd and Fuchsia Dr (SSM2866)	12	AC	270	10	slip line	270
	Green Valley Rd	Midway between Hi Grade Ln and Carnation Dr	Carnation Dr	12	VCP	200	0	abandon	200
	Green Valley Rd	Carnation Dr	Freedom Blvd	6		990	0	abandon	990
	Quinn Ave/Green Valley Rd	Current location of SSM2849	New location of SSM2849	None			6	open cut	20
	Quinn Ave	SSM6675	Green Valley Rd	6	VCP	127	8	renchles	127
	Quinn Ave	cul de sac at end of Quinn Ave	SSM6675	6	VCP	470	8	renchles	470
S2	Starting southeast on Freedom Blvd then turning southwest across Freedom Blvd and down Sydney Ave ending at Lindy Ave			12	AC	665	10	slip line	665
S3	Freedom Blvd	Green Valley Rd	Davis Ave	6	VCP	585	8	renchles	585
	Freedom Blvd	Davis Ave	Sydney Ave	6	VCP	205	8	renchles	205
	Freedom Blvd	Sydney Ave	Atkinson Ln	6		855	8	renchles	855
S4	Freedom Blvd	Burchell Ave	Compton Terrace	6		795	8	open cut	795
Replacement and New Sewer Main Total:							270		
	Manhole #	Location		Description					
S1	SSM3072	Green Valley Rd		Abandon and plug overflow connection to Carnation Dr. Relocate Charter school lateral to existing 8" on Green Valley.					
	SSM2853	Green Valley Rd		Abandon					
	SSM2851	Green Valley Rd		Abandon					
	SSM2849	Green Valley Rd		Abandon					
	SSM2870	Green Valley Rd		Rehabilitate bench					
	SSM2867	Green Valley Rd		Rehabilitate bench and barrel					
	SSM2849	Green Valley Rd @ Quinn Ave		Relocate					
S2	SSM2668	downstream existing 8" slip line, adjacent to O'Reilly's Auto Parts		Replace					

Figure 1. Location of Water Main Replacement Projects

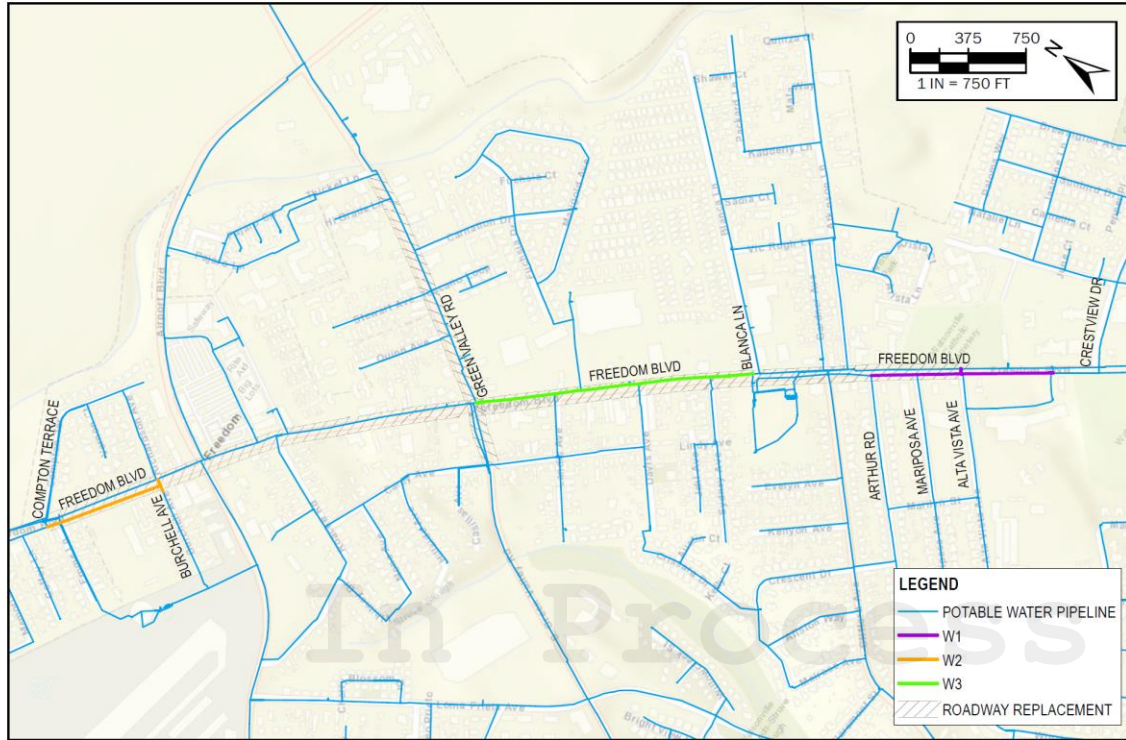
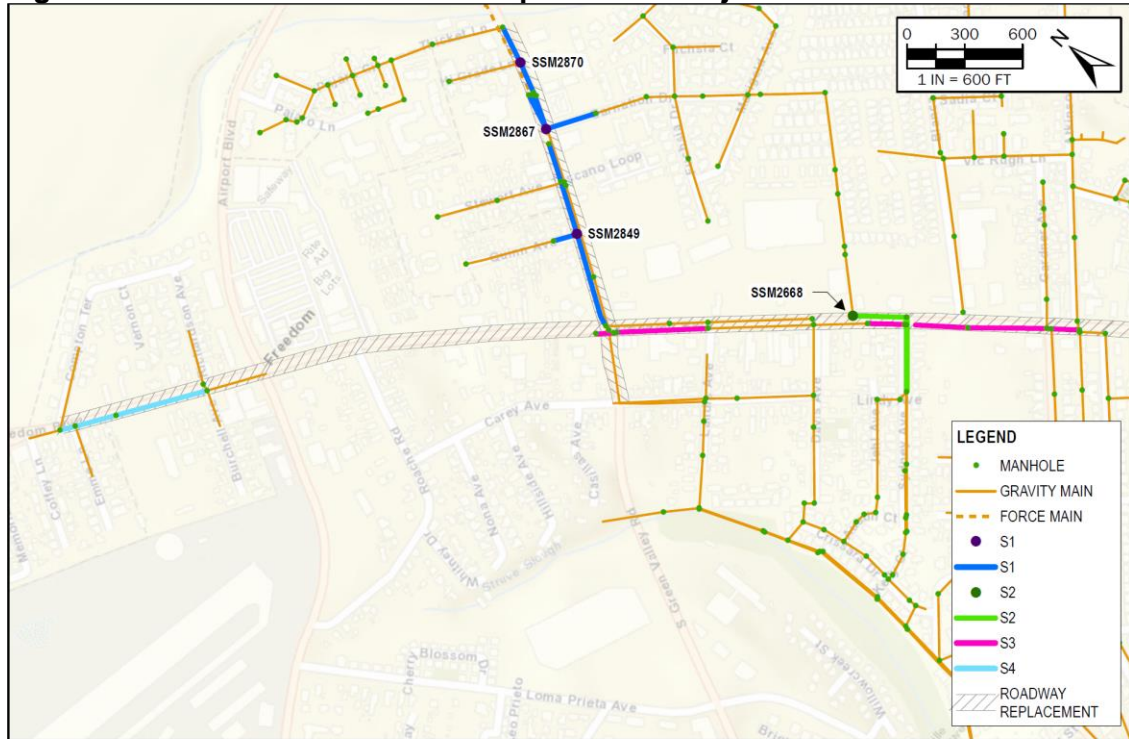


Figure 2. Location of Sewer Main Replacement Projects



Scope of Work

HydroScience will perform the following tasks as part of this scope of work:

Task 1 – Project Management and Coordination

Specific tasks shall include:

- General project management activities, including team coordination, meetings, project budget tracking and reporting.
- A kickoff meeting with City staff, a 65% design workshop, and an additional coordination meeting. These meeting will be virtual due to the current Covid-19 restrictions.
- Tracking of the project schedule and budget. Monthly budget, schedule, and work progress status reports to be prepared and included with every invoice. Provide a narrative of work completed in the previous month and work to be completed. Invoices shall list employees by name and hours/fee charged per employee for each task.

Deliverables:

- Meeting agenda and minutes
- Monthly invoices and narrative
- Project schedule

Task 2 – Preliminary Design Services

Review Existing Material and Site Visit – The HydroScience Design Team will review existing material and schedule a site visit with the City to walk the alignments with City operations and maintenance crews to gain a better understanding of the system, City preferences, and issues. Review of material and site visit will focus on the recommendations in the PDR.

Utility Investigation - HydroScience will investigate the presence of existing utilities by contacting utility owners and reviewing available documentation and surface indicators. Water main, sanitary sewer and storm drain manhole rim and invert elevations will be provided by the City's record drawings and/or block maps if they are available. We will identify all potential utility conflicts in a memorandum, recommend potholing locations, and perform pothole work as approved by the City.

Our subconsultant, Bess Testlab, will provide up to 11 potholes at a maximum depth of 15 feet. Potholing information will be used by the Design Team and incorporated in the 65% design submittal. If potholing is needed in excess of the level of effort described above, it can be provided as part of a separate authorization.

Topographical Survey – Our subconsultant, HMM, will perform full field topographic surveys to obtain:

- i. All surface features from back-of-sidewalk to back-of-sidewalk
- ii. Utility surface features: utility vaults, boxes, hydrants
- iii. Manhole survey - Location, rim, invert, pipe size, and direction of flow of accessible sanitary sewer manholes, storm drain manholes, storm drain inlets
- iv. Water valves: Location, rim, top of nut, and length of extension of water valves
- v. Street monuments and trees

vi. All visible USA-marked utilities

HMH will survey geotechnical boring and utility pothole locations available at time of survey. They will develop 3d TIN surface with contours.

HMH will also conduct sewer manhole surveys and dips to obtain location, rim, invert, pipe size, and direction of flow of accessible sanitary sewer manholes.

Geotechnical – Our subconsultant, CE&G, will review available, pertinent soils, geotechnical, geologic, groundwater elevation data and seismic data previously developed for private and public improvement projects that are attainable from the City of Watsonville, Caltrans, USGS, and other public agencies for the area encompassing the proposed water and sewer pipelines. The available data will be compiled and included in a Geotechnical Design Report.

Also, reconnaissance of the site will be performed consisting of determining drill rig access, photo documentation of the site, visually identifying key geologic and geomorphic features, marking preliminary boring locations in the field, and contacting Underground Service Alert (USA) for utility marking. An encroachment permit will be obtained through the City of Watsonville (City permit and inspection fees assumed to be waived). A private utility locator has been included to clear the proposed boring locations.

Subsurface explorations will be performed at three locations along the proposed replacement pipeline segments. The borings are planned to be completed to depths of 10 to 25 feet below grade. Borings are to be drilled in the City right-of way along Freedom Boulevard and Quinn Avenue. A traffic control subcontractor has been included in our cost estimate. It is anticipated drilling at each location will have a duration of 1 to 2 hours for borings up to 25-feet deep. Encroachment permit conditions are assumed to only allow traffic control between 8:00 AM and 5:00 PM.

Soil samples will be taken generally at 3- to 5-foot intervals. Groundwater levels will be measured in the borings, if encountered. At completion, borings will be backfilled with neat cement grout. Soil cuttings will be collected from the borings and disposed off-site. Pavement will be replaced with high strength concrete that will be dyed black.

Laboratory testing will be performed on selected soil samples retrieved from the borings to determine engineering properties and to confirm field classifications.

The results from the desktop study, subsurface exploration, laboratory testing, and engineering analysis will be used as the basis for development of geotechnical recommendations to be presented in a Geotechnical Design Report, with supporting graphics and data. This report will include the following:

- i. Introduction including site location, description, and purpose of the investigation;
- ii. Summary of the desktop study findings for the proposed alignment;
- iii. Summary of the encountered subsurface conditions and geology;
- iv. Boring logs and test results from the subsurface exploration and lab testing;
- v. Geotechnical design recommendations including bearing capacity and other geotechnical design criteria required by the project structural engineer. In addition, earthwork and pavement recommendations for the planned improvements will be provided.

HydroScience will review the Geotechnical Report and design the facilities based on this information. A copy of the Geotechnical Report can be provided to the City upon request.

Task 3 – Detailed Design

The sewer improvements will be designed as one set of contract documents. The Quinn Avenue work will be included as an alternative bid item to accommodate the City budget.

65% Design – HydroScience will prepare and submit preliminary drawings, project specifications, and construction cost estimate completed to approximately the 65% level. Design will include recommended alignment of the pipeline, profile, and connections to existing water services and sewer laterals, connecting pipelines, and appurtenances.

Deliverables:

- 65% Drawings – PDF
- 65% Specifications – PDF/Word
- 65% Construction cost estimate – PDF/Excel

95% Design – HydroScience will prepare the 95% PS&E. These documents shall be considered construction ready pending final City review. Based on this 95% design, HydroScience shall provide a detailed construction cost estimate. The City will prepare and furnish the front-end documents, proposal forms, and agreement for use in developing the final specifications. A construction schedule will be developed.

Deliverables:

- 95% Drawings – PDF
- 95% Specifications – PDF/Word
- 95% Construction cost estimate – PDF/Excel
- Construction schedule - PDF

100% Design Submittal - HydroScience shall prepare the final design submittal based on the comments from the 95% design. We shall also provide a detailed construction cost estimate and a construction schedule.

Deliverables:

- Bid Set Drawings: PDF and AutoCAD formats. PDF to be submitted as both half-size and a full-size PDF of the final design. One half size and full-size wet stamped hard copy of each drawing set printed on bond paper.
- Bid Set Specifications: PDF and Word copies of each set of project specifications, print ready for double sided printing with City provided front end specifications, proposal forms, and agreement.
- Final construction cost estimate and schedule: PDF/Excel

Task 4 – Bid Support Services

Bid support services will be provided up to the allocated level of effort specified in the fee proposal and the assumptions below.

Specific tasks may include:

- Coordinate and respond to up to 15 questions from bidders.
- Assist City in drafting any addenda. City will prepare addenda during bidding phase.
- Prepare conformed drawings incorporating the addenda.

Task 5 – Construction Support Services

Construction support services will be provided by the Consultant up to the allocated level of effort specified in the fee proposal and assumptions below. It is expected that these services will be utilized by the City for either one or a combination of the Contracts, up to the maximum allocation. The City will determine what types of services Consultant will provide up to the allocated level of effort. It is anticipated the pre-construction meeting will be held in-person, at the project site or City offices.

Specific tasks include:

- Pre-Construction Meeting: one meeting attended by the Project Manager and Project Engineer.
- Submittal Review: Review and respond to up to 30 total submittals or resubmittals.
- RFI Review: Review and respond to up to 20 RFI's.
- Change Orders: Assist City in review up to 4 CORs.
- Site Visit: Two site visits conducted by the Project Engineer and Support Engineer.
- Prepare Record Drawings. Consultant will receive red-lines provided by others and incorporate redlines into AutoCAD and full/half size PDFs of record drawings.
- Prepare geodatabase file. The City will furnish the geodatabase file of the City's sewer and water map books for the Consultant to markup and add the attributes of the pipelines, manholes, etc.

For scheduling purposes, we anticipate that this work can be designed in 5 months after NTP. Attached you will find a breakdown of our fee. Should you have any questions regarding this proposal, please feel free to contact me at (408) 595-9019. We appreciate the opportunity to further our working relationship with the City.

Sincerely,
HydroScience Engineers, Inc.



Mary Hoang, P.E.
Principal



City of Watsonville
Freedom Blvd and Green Valley Water and Sewer Improvements Engineering Services - Phase 2 Design

February 5, 2021

Task	Description	Mary Hoang Principal-in-Charge	Chris Dodge Project Manager	Eric Petrel QA/QC	Robert Le Project Engineer	Alexandra Watson Support Engineer	Rachel Yenney Support Engineer	Anthony Perez Drafting	HydroScience Hours	HydroScience Fee	HMH Surveying	Bess Testlab Utility Locating	CE&G Geotechnical Investigation	Other Direct Costs	Expense Total with Markup	Task Totals
		Prin	E-VII	E-IX	E-IV	E-III	E-I	CAD								
		\$255	\$225	\$245	\$195	\$185	\$160	\$115								
1	Project Management & Coordination	10	60	0	28	0	0	0	98	\$ 21,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,510
	Project Management	4	48		16				68							
	KO Meeting	2	4		4				10							
	65% Meeting	2	4		4				10							
	Project Coordination Meeting	2	4		4				10							
2	Preliminary Design Services	2	24	0	40	48	40	0	154	\$ 28,990	\$ 53,000	\$ 29,260	\$ 30,300	\$ 400	\$124,256	\$ 153,246
	Review Existing Material and Site Visit		8		8	8	8		32				\$ 400			
	Utility Investigations		8		16	24	32		80		\$ 29,260					
	Topographic Survey	1	4		8	8			21	\$ 53,000						
	Geotechnical	1	4		8	8			21			\$ 30,300				
3	Detailed Design	10	88	26	219	174	84	164	765	\$ 135,915	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,915
	65% Design	4	40	16	96	80	60	100	396							
	95% Design	4	24	8	75	60	24	48	243							
	100% Design Submittal	2	24	2	48	34		16	126							
4	Bid Support Services	2	8	4	48	16	0	12	90	\$ 16,990	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,990
	RFC's	1	4	2	24	10			41							
	Addendum/Conform Set	1	4	2	24	6		12	49							
5	Construction Support Services	9	40	7	96	80	0	16	248	\$ 48,370	\$ -	\$ -	\$ -	\$ 600	\$ 660	\$ 49,030
	Pre-Construction Meeting	1	8		8				17				\$ 200			
	Submittals	2	8	4	40	40			94							
	RFIs	1	8		24	24			57							
	Change Orders	4	12		12				28							
	Site Visit				8	8			16				\$ 400			
	Record Drawings	1	4	3	4	8		16	36							
SERVICES TOTAL		33	220	37	431	318	124	192	1355	\$ 251,775	\$ 53,000	\$ 29,260	\$ 30,300	\$ 1,000	\$124,916	\$ 376,691

Notes:
All hourly rates are in accordance with HydroScience's 2021 Standard Billing Rate Schedule.
Subconsultants and other direct costs are billed at cost plus 10% markup.
Task fees are shown as a guidance. Overall "Services Total" governs.

HYDROSCIENCE ENGINEERS, INC.

Standard Schedule of Estimated Billing Rates Effective January 1, 2021 through December 31, 2021

Labor Classification	2021 Hourly Rate
Principal	\$255
Engineer IX	\$245
Engineer VIII	\$235
Engineer VII	\$225
Engineer VI	\$215
Engineer V	\$205
Engineer IV	\$195
Engineer III	\$185
Engineer II	\$175
Engineer I	\$160
Engineering Aide	\$95
Construction Professional VI	\$175
Construction Professional V	\$165
Construction Professional IV	\$155
Construction Professional III	\$145
Construction Professional II	\$135
Construction Professional I	\$125
Cross Connection Control Specialist	\$115
CAD Manager	\$135
CAD Designer	\$115
Marketing Professional	\$105
Administrative II	\$95
Administrative	\$80

Hourly billing rates include postage and telephone charges that are normal to the work authorized. Other direct costs for travel, reproduction, mail service, outside services, etc. will be invoiced at 110 percent of the actual cost.