


CITY OF MARYSVILLE AGENDA BILL

EXECUTIVE SUMMARY FOR ACTION

CITY COUNCIL MEETING DATE: February 28, 2022

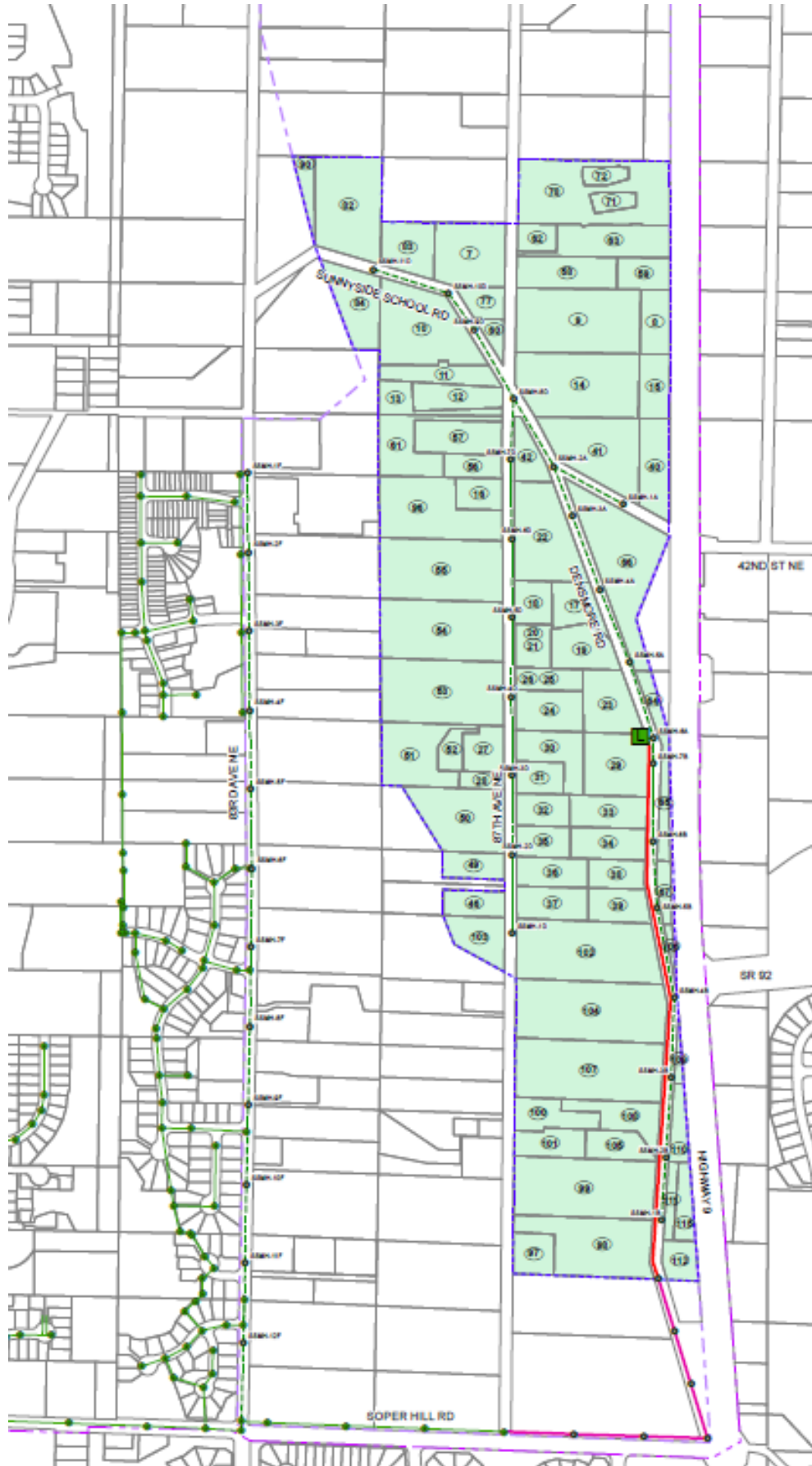
AGENDA ITEM:	
Professional Services Agreement with RH2 Engineering, Inc. for Design of the Whiskey Ridge Sewer Lift Station and Force Main	
PREPARED BY:	DIRECTOR APPROVAL:
Jeff Laycock	
DEPARTMENT:	
Public Works – Engineering	
ATTACHMENTS:	
Professional Services Agreement, Vicinity Map	
BUDGET CODE:	AMOUNT:
40230594.563000, S1401	\$388,693.00
SUMMARY:	

In accordance with the 2011 Sewer Comprehensive Plan and as shown in the attached vicinity map, a sewer lift station and force main is required to provide sewer service to the Whiskey Ridge subarea in order to support ongoing development. The Whiskey Ridge Sewer Lift Station and Force Main has been identified as a capital improvement project. At this time, staff are proposing to move forward with the design of the lift station and force main. Staff are also working with a developer on an agreement by which development is anticipated to construct the lift station and force main with the design to be furnished by the City. The development agreement will be presented to Council at a later date. Since this is a regional facility with specific technical requirements, staff desire to manage the design to ensure the facility meets the City's needs. The City's consultant, RH2 Engineering, Inc. was selected to perform the design for the project. The attached Professional Services Agreement will provide the City with a complete design.

RECOMMENDED MOTION:

I move to authorize the Mayor to sign and execute the Professional Services Agreement with RH2 Engineering, Inc. for Design of the Whiskey Ridge Sewer Lift Station and Force Main in the amount of \$388,693.00. _____

Vicinity Map



**PROFESSIONAL SERVICES AGREEMENT BETWEEN
CITY OF MARYSVILLE
AND RH2 ENGINEERING, INC.**

THIS AGREEMENT (“Agreement”) is made and entered into as of the date of the last signature below, by and between the City of Marysville, a Washington State municipal corporation (“City”), and RH2 Engineering, Inc., a corporation licensed in Washington, organized under the laws of the state of Washington, located and doing business at 22722 29th Drive SE, Suite 210, Bothell, WA 98021 (“Consultant”).

In consideration of the terms, conditions, covenants, and performances contained herein, the parties hereto agree as follows:

1. SCOPE OF SERVICES. The Consultant shall provide the work and services described in the attached **EXHIBIT A**, incorporated herein by this reference (the “Services”). All services and materials necessary to accomplish the tasks outlined in the Scope of Services shall be provided by the Consultant unless noted otherwise in the Scope of Services or this Agreement. All such services shall be provided in accordance with the standards of the Consultant’s profession.

2. TERM. The term of this Agreement shall commence upon notice to proceed and shall terminate at midnight on December 31, 2022. The parties may extend the term of this Agreement by executing a written supplemental amendment.

3. COMPENSATION. The Consultant shall be paid by the City for Services rendered under this Agreement as described in **EXHIBIT A** and as provided in this section. In no event shall the compensation paid to Consultant under this Agreement exceed **Three Hundred Eighty Eight Thousand Six Hundred Ninety Three Dollars and Zero Cents (\$388,693.00)** within the term of the Agreement, including extensions, without the written agreement of the Consultant and the City. Such payment shall be full compensation for the Services and for all labor, materials, supplies, equipment, incidentals, and any other expenses necessary for completion.

The Consultant shall submit a monthly invoice to the City for Services performed in the previous calendar month in a format acceptable to the City. The Consultant shall maintain time and expense records and provide them to the City upon request.

The City will pay timely submitted and approved invoices received before the 20th of each month within thirty (30) days of receipt.

4. CONSULTANT’S OBLIGATIONS.

4.1 MINOR CHANGES IN SCOPE. The Consultant agrees to accept minor changes, amendments, or revisions to the scope of the Services, as may be required by the City, when such

changes, amendments, or revisions will not have any impact on the cost of the Services or the proposed delivery schedule.

4.2 ADDITIONAL WORK. The City may desire to have the Consultant perform additional work or services which are not identified in the scope of the Services. If the parties agree to the performance of additional work or services, the parties will execute a written supplemental amendment detailing the additional work or services and compensation therefore. In no event will the Consultant be compensated for preparing proposals for additional work or services. In no event shall the Consultant begin work contemplated under a supplemental amendment until the supplemental amendment is fully executed by the parties.

4.3 WORK PRODUCT AND DOCUMENTS. The work product and all documents produced under this Agreement shall be furnished by the Consultant to the City, and upon completion of the Services shall become the property of the City, except that the Consultant may retain one copy of the work product and documents for its records. The Consultant will be responsible for the accuracy of the Services, the work product, and all documents produced under this Agreement, even though the Services have been accepted by the City.

In the event that the Consultant defaults on this Agreement or in the event that this Agreement is terminated prior to the completion of the Services or the time for completion, all work product and all documents and other materials produced under this Agreement, along with a summary of work as of the date of default or termination, shall become the property of the City. The summary of Services provided shall be prepared at no additional cost to the City. Upon request, the Consultant shall tender the work product, all documents, and the summary to the City within five (5) business days. Tender of said work product shall be a prerequisite to final payment under this Agreement.

The Consultant will not be held liable for reuse of work product or documents produced under this Agreement or modification of the work product or documents for any purpose other than those identified in this Agreement without the written authorization of the Consultant.

4.4 PUBLIC RECORDS ACT. Consultant acknowledges that the City is subject to the Public Records Act, chapter 42.56 RCW (the "PRA"). All records owned, used, or retained by the City are public records subject to disclosure unless exempt under the PRA, whether or not the records are in the possession or control of the City or Consultant. All exemptions to the PRA are narrowly construed.

a. **Confidential Information.** Any records provided to the City by the Consultant which contain information that the Consultant in good faith believes is not subject to disclosure under the PRA shall be marked "Confidential" and shall identify the specific information that the Consultant in good faith believes is not subject to disclosure under the PRA and a citation to the statutory basis for non-disclosure.

b. **Responding to Public Records Requests.** The City shall exercise its sole legal judgment in responding to public records requests.

- (1) The City may rely upon the lack of notification from the Consultant in releasing any records that are not marked “Confidential.”
- (2) If records identified as “Confidential” by the Consultant are responsive to a PRA request, the City will seek to provide notice to Consultant at least ten (10) business days before the date on which the City anticipates releasing records. The City is under no obligation to assert any applicable exemption on behalf of the Consultant. The Consultant may seek, at its sole cost, an injunction preventing the release of information which it believes is protected. In no event will the City have any liability to Consultant for any failure of the City to provide notice prior to release.
- (3) If the City, in its sole legal judgment, believes that the Consultant possesses records that (1) are responsive to a PRA request and (2) were used by the City, the City will request the records from the Consultant. The Consultant will, within ten (10) business days:
 - i. Provide the records to the City in the manner requested by the City;
 - ii. Obtain a court injunction, in a lawsuit involving the requester, covering all, or any confidential portion of, the records and provide any records not subject to the court injunction; or
 - iii. Provide an affidavit, in a form acceptable to the City Attorney, specifying that the Consultant has made a diligent search and did not locate any requested documents.

c. **Indemnification.** In addition to its other indemnification and defense obligations under this Agreement, the Consultant shall indemnify and defend the City from and against any and all losses, penalties, fines, claims, demands, expenses (including, but not limited to, attorneys fees and litigation expenses), suits, judgments, or damages (collectively “Damages”) arising from or relating to any request for records related to this Agreement, to the extent such Damages are caused by action or inaction of the Consultant. This indemnification and defense obligation shall survive the expiration or termination of this Agreement.

4.5 MAINTENANCE/INSPECTION OF RECORDS. The Consultant shall maintain all books, records, documents, and other evidence pertaining to the costs and expenses allowable under this Agreement in accordance with generally accepted accounting practices. All such books and records required to be maintained by this Agreement shall be subject to inspection and audit by representatives of the City and/or the Washington State Auditor at all reasonable times, and the Consultant shall afford the proper facilities for such inspection and audit.

Representatives of the City and/or the Washington State Auditor may copy such books, accounts, and records where necessary to conduct or document an audit. The Consultant shall preserve and make available all such books of account and records for a period of three (3) years after final payment under this Agreement. In the event that any audit or inspection identifies any discrepancy in such financial records, the Consultant shall provide the City with appropriate clarification and/or financial adjustments within thirty (30) calendar days of notification of the discrepancy.

4.6 INDEMNITY.

a. **Indemnification and Hold Harmless.** The Consultant shall defend, indemnify, and hold the City, its officers, officials, employees, and volunteers harmless from any and all claims, injuries, damages, losses, or suits including attorney fees, arising out of or resulting from the acts, errors, or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

b. Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the City, its officers, officials, employees, and volunteers, the Consultant's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Consultant's negligence.

c. The provisions of this Section 4.6 shall survive the expiration or termination of this Agreement.

d. The Consultant hereby knowingly, intentionally, and voluntarily waives the immunity of the Industrial Insurance Act, Title 51 RCW, solely for the purposes of the indemnity contained in subpart "a" of this Section 4.6. This waiver has been mutually negotiated by the parties.

_____ (City Initials) _____ (Contractor Initials)

4.7 INSURANCE.

a. **Insurance Term.** The Consultant shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the Services hereunder by the Consultant, its agents, representatives, or employees.

b. **No Limitation.** Consultant's maintenance of insurance as required by the Agreement shall not be construed to limit the liability of the Consultant to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

c. **Minimum Scope of Insurance.** Consultant shall obtain insurance of the types and coverage described below:

- (1) Automobile Liability insurance covering all owned, non-owned, hired, and leased vehicles. Coverage shall be written on Insurance Services Office (ISO) form CA 00 01 or a substitute form providing equivalent liability coverage.
- (2) Commercial General Liability insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop-gap independent contractors and personal injury and advertising injury. The City shall be named as an additional insured under the Consultant's Commercial General Liability insurance policy with respect to the Services performed for the City using an additional insured endorsement at least as broad as ISO CG 20 26.
- (3) Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.
- (4) Professional Liability insurance appropriate to the Consultant's profession.

d. **Minimum Amounts of Insurance.** Consultant shall maintain the following insurance limits:

- (1) Automobile Liability insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.
- (2) Commercial General Liability insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate.
- (3) Professional Liability insurance shall be written with limits no less than \$1,000,000 per claim and \$1,000,000 policy aggregate limit.

e. **Other Insurance Provision.** The Consultant's Automobile Liability and Commercial General Liability insurance policies are to contain, or be endorsed to contain that they shall be primary insurance as respect the City. Any Insurance, self-insurance, or self-insured pool coverage maintained by the City shall be excess of the Consultant's insurance and shall not contribute with it.

f. **Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.

g. **Verification of Coverage.** The Consultant shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the insurance requirements of the Consultant before commencement of the Services.

h. **Notice of Cancellation.** The Consultant shall provide the City with written notice of any policy cancellation within two business days of the Consultant's receipt of such notice.

i. **Failure to Maintain Insurance.** Failure on the part of the Consultant to maintain the insurance as required shall constitute a material breach of contract, upon which the City may, after giving five (5) business days notice to the Consultant to correct the breach, immediately terminate the Agreement or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the City on demand, or at the sole discretion of the City, offset against funds due the Consultant from the City.

j. **Insurance to be Occurrence Basis.** Unless approved by the City all insurance policies shall be written on an "Occurrence" policy as opposed to a "Claims-made" policy. The City may require an extended reporting endorsement on any approved "Claims-made" policy. Professional liability insurance may be written on a "Claims-made" basis if it is maintained for a period of three (3) years following completion of the services.

k. **City Full Availability of Consultant Limits.** If the Consultant maintains higher insurance limits than the minimums shown above, the City shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Consultant, irrespective of whether such limits maintained by the Consultant are greater than those required by this Agreement or whether any certificate of insurance furnished to the City evidences limits of liability lower than those maintained by the Consultant.

4.8 LEGAL RELATIONS. The Consultant shall comply with all federal, state, and local laws, regulations, and ordinances applicable to the Services to be performed under this Agreement. The Consultant represents that it and all employees assigned to perform any of the Services under this Agreement are in full compliance with the statutes of the State of Washington governing the Services and that all personnel to be assigned to the Services are fully qualified and properly licensed to perform the work to which they will be assigned.

4.9 INDEPENDENT CONTRACTOR.

a. The Consultant and the City understand and expressly agree that the Consultant is an independent contractor in the performance of each and every part of this Agreement. The Consultant expressly represents, warrants, and agrees that the Consultant's status as an independent contractor in the performance of the Services required under this Agreement is consistent with and meets the six-part independent contractor test set forth in RCW 51.08.195 or as hereafter amended. The Consultant, as an independent contractor, assumes the entire responsibility for carrying out and accomplishing the Services required under this Agreement. The Consultant shall not make

a claim of City employment and shall not claim any related employment benefits, social security, and/or retirement benefits.

b. The Consultant shall be solely responsible for paying all taxes, deductions, and assessments, including but not limited to federal income tax, FICA, social security tax, assessments for unemployment and industrial injury, and other deductions from income which may be required by law or assessed against either party as a result of this Agreement. In the event the City is assessed a tax or assessment as a result of this Agreement, the Consultant shall pay the same before it becomes due.

c. The City may, during the term of this Agreement, engage other independent contractors to perform the same or similar work to the Services that the Consultant performs under this Agreement.

d. Prior to commencement of Services, the Consultant shall obtain a business license from the City.

4.10 EMPLOYMENT.

a. The term “employee” or “employees” as used herein shall mean any officers, agents, or employee of the Consultant.

b. Any and all employees of the Consultant, while performing any Services under this Agreement, shall be considered employees of the Consultant only and not of the City. The Consultant shall be solely liable for: (1) any and all claims that may or might arise under the Workman’s Compensation Act, Title 51 RCW, on behalf of any said employees while performing any Services under this Agreement, and (2) any and all claims made by any third party as a consequence of any negligent act or omission on the part of the Consultant or its employees while performing any Services under this Agreement.

c. The Consultant represents, unless otherwise indicated below, that all employees of the Consultant that will perform any Services under this Agreement have never been retired from a Washington State retirement system, including but not limited to Teacher (TRS), School District (SERS), Public Employee (PERS), Public Safety (PSERS), law enforcement and fire fighters (LEOFF), Washington State Patrol (WSPRS), Judicial Retirement System (JRS), or otherwise. *(Please use initials to indicate No or Yes below.)*

_____ No, employees performing the Services have never been retired from a Washington state retirement system.

_____ Yes, employees performing the Services have been retired from a Washington state retirement system.

In the event the Consultant checks “no”, but an employee in fact was a retiree of a Washington State retirement system, and because of the misrepresentation the City is required to defend a claim by the Washington State retirement system, or to make contributions for or on account of the employee, or reimbursement to the Washington State retirement system for benefits paid, the Consultant hereby agrees to save, indemnify, defend and hold the City harmless from and against all expenses and costs, including reasonable attorney fees incurred in defending the claim of the Washington State retirement system and from all contributions paid or required to be paid, and for all reimbursement required to the Washington State retirement system. In the event the Consultant checks “yes” and affirms that an employee providing work has ever retired from a Washington State retirement system, every said employee shall be identified by the Consultant and such retirees shall provide the City with all information required by the City to report the employment with Consultant to the Department of Retirement Services of the State of Washington.

4.11 NONASSIGNABLE. Except as provided in **EXHIBIT B**, the Services to be provided by the Consultant shall not be assigned or subcontracted without the express written consent of the City.

4.12 SUBCONTRACTORS AND SUBCONSULTANTS.

a. The Consultant is responsible for all work or services performed by subcontractors or subconsultants pursuant to the terms of this Agreement.

b. The Consultant must verify that any subcontractors or subconsultants the Consultant directly hires meet the responsibility criteria for the Services. Verification that a subcontractor or subconsultant has proper license and bonding, if required by statute, must be included in the verification process. If the parties anticipate the use of subcontractors or subconsultants, the subcontractors or subconsultants are set forth in **EXHIBIT B**.

c. The Consultant may not substitute or add subcontractors or subconsultants without the written approval of the City.

d. All subcontractors or subconsultants shall have the same insurance coverage and limits as set forth in this Agreement and the Consultant shall provide verification of said insurance coverage.

4.13 CONFLICTS OF INTEREST. The Consultant agrees to and shall notify the City of any potential conflicts of interest in Consultant’s client base and shall obtain written permission from the City prior to providing services to third parties when a conflict or potential conflict of interest exists. If the City determines in its sole discretion that a conflict is irreconcilable, the City reserves the right to terminate this Agreement.

4.14 CITY CONFIDENCES. The Consultant agrees to and will keep in strict confidence, and will not disclose, communicate, or advertise to third parties without specific prior written consent from the City in each instance, the confidences of the City or any information regarding the City or the Services provided to the City.

4.15 DISCRIMINATION PROHIBITED AND COMPLIANCE WITH EQUAL OPPORTUNITY LEGISLATION. The Consultant agrees to comply with equal opportunity employment and not to discriminate against any client, employee, or applicant for employment or for services because of race, creed, color, religion, national origin, marital status, sex, sexual orientation, age, or handicap except for a bona fide occupational qualification with regard, but not limited to, the following: employment upgrading; demotion or transfer; recruitment or any recruitment advertising; layoff or terminations; rates of pay or other forms of compensation; selection for training; or rendition of services. The Consultant further agrees to maintain (as appropriate) notices, posted in conspicuous places, setting forth its nondiscrimination obligations. The Consultant understands and agrees that if it violates this nondiscrimination provision, this Agreement may be terminated by the City, and further that the Consultant will be barred from performing any services for the City now or in the future, unless a showing is made satisfactory to the City that discriminatory practices have been terminated and that recurrence of such action is unlikely.

4.16 UNFAIR EMPLOYMENT PRACTICES. During the performance of this Agreement, the Consultant agrees to comply with RCW 49.60.180, prohibiting unfair employment practices.

5. CITY APPROVAL REQUIRED. Notwithstanding the Consultant's status as an independent contractor, the Services performed pursuant to this Agreement must meet the approval of the City, which shall not be unreasonably withheld if the Services have been completed in compliance with the Scope of Services and City requirements.

6. GENERAL TERMS.

6.1 NOTICES. Receipt of any notice shall be deemed effective three (3) calendar days after deposit of written notice in the U.S. mail with proper postage and address.

Notices to the City shall be sent to the following address:

CITY OF MARYSVILLE

Pat Gruenhagen, PE

80 Columbia Ave

Marysville, WA 98270

Notices to the Consultant shall be sent to the following address:

RH2 ENGINEERING, INC

John Hendron, PE

22722 29th Drive SE, Suite 210

Bothell, WA 98021

6.2 TERMINATION. The City may terminate this Agreement in whole or in part at any time by sending written notice to the Consultant. As per Section 6.1, the Consultant is deemed to have received the termination notice three (3) calendar days after deposit of the termination notice in the U.S. mail with proper postage and address. The termination notice is deemed effective seven (7) calendar days after it is deemed received by the Consultant.

If this Agreement is terminated by the City for its convenience, the City shall pay the Consultant for satisfactory Services performed through the date on which the termination is deemed effective in accordance with payment provisions of Section 3, unless otherwise specified in the termination notice. If the termination notice provides that the Consultant will not be compensated for Services performed after the termination notice is received, the City will have the discretion to reject payment for any Services performed after the date the termination notice is deemed received.

6.3 DISPUTES. The parties agree that, following reasonable attempts at negotiation and compromise, any unresolved dispute arising under this Agreement may be resolved by a mutually agreed-upon alternative dispute resolution of arbitration or mediation.

6.4 EXTENT OF AGREEMENT/MODIFICATION. This Agreement, together with exhibits, attachments, and addenda, represents the entire and integrated Agreement between the parties and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended, modified, or added to only by a written supplemental amendment properly signed by both parties.

6.5 SEVERABILITY.

a. If a court of competent jurisdiction holds any part, term, or provision of this Agreement to be illegal or invalid, in whole or in part, the validity of the remaining parts, terms, or provisions shall not be affected, and the parties' rights and obligations shall be construed and enforced as if the Agreement did not contain the particular part, term, or provision held to be invalid.

b. If any part, term, or provision of this Agreement is in direct conflict with any statutory provision of the State of Washington, that part, term, or provision shall be deemed inoperative and null and void insofar as it may conflict, and shall be deemed modified to conform to such statutory provision.

6.6 NONWAIVER. A waiver by either party of a breach by the other party of any covenant or condition of this Agreement shall not impair the right of the party not in default to avail itself of any subsequent breach thereof. Leniency, delay, or failure of either party to insist upon strict performance of any agreement, covenant, or condition of this Agreement, or to exercise any right herein given in any one or more instances, shall not be construed as a waiver or relinquishment of any such agreement, covenant, condition, or right.

6.7 FAIR MEANING. The terms of this Agreement shall be given their fair meaning and shall not be construed in favor of or against either party hereto because of authorship. This Agreement shall be deemed to have been drafted by both of the parties.

6.8 GOVERNING LAW. This Agreement shall be governed by and construed in accordance with the laws of the State of Washington.

6.9 VENUE. The venue for any action to enforce or interpret this Agreement shall lie in the Superior Court of Washington for Snohomish County, Washington.

6.10 COUNTERPARTS. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same Agreement.

6.11 AUTHORITY TO BIND PARTIES AND ENTER INTO AGREEMENT. The undersigned represent that they have full authority to enter into this Agreement and to bind the parties for and on behalf of the legal entities set forth herein.

DATED this _____ day of _____, 2022.

CITY OF MARYSVILLE

By _____
Jon Nehring, Mayor

DATED this _____ day of _____, 2022.

RH2 ENGINEERING, INC.

By _____

(Name)
Its: _____
(Title)

ATTEST/AUTHENTICATED:

_____, Deputy City Clerk

Approved as to form:

Jon Walker, City Attorney

EXHIBIT A
Scope of Work
City of Marysville
Whiskey Ridge Pump Station and Wastewater Collection Design
December 2021

Background

The City of Marysville (City) is planning to help the East Sunnyside Neighborhood to realize its intended land use. Whiskey Ridge, bounded by Highway 9 to the east, Soper Hill Road to the south, 83rd Avenue NE to the west, and the area immediately north of East Sunnyside School Road, was annexed by the City in 2006 and has been identified as a critical area for the development of the region. The City intends to identify and construct a strategic wastewater pump station for the Whiskey Ridge area to facilitate growth.

In 2015, RH2 Engineering, Inc., (RH2) completed a predesign report to analyze the existing system and propose a strategy to provide sewer service to the Whiskey Ridge region. Since the preparation of this report, some of the properties in the northwest region of the proposed pump station basin have received gravity sewer service. The size of the pump station has decreased since the 2015 predesign report, but will still serve approximately 163 acres of land zoned single-family and multi-family residential and commercial. The first task of this Scope of Work will be an update to the pumping rate and sizing for the wet well and force main.

The pump station will be located at the site recommended in the 2015 report (Colvin property on Densmore Road). Property necessary to site the pump station, control panels, generator, and vehicle turnaround will be subdivided and deeded to the City by other parties.

This pump station will be designed by the City and constructed by the Developer. Standard public works contracting using a design-bid-build process is not being done to save time building the pump station and force main. A fast-track design will be performed whereby essential pump station components with long manufacturing times are ordered early in the project before the design is complete. The pumps, electrical panels, and power generator can take as long as 7 months to fabricate after shop drawings have been approved by the engineer. There will be significant time savings if the long lead-time items are being manufactured while the construction plans are being prepared for installation. Additional time will be eliminated by removing the bidding process and other procurement protocols. This approach will rely on a collaborative approach between the public and private entities to build a pump station in alignment with the contractor's schedule that meets the needs of the City's wastewater utility.

This Scope of Work assumes that the land survey and geotechnical investigation and report will be completed by the Developer. It also is assumed that the sitework will be permitted under the Developer's grading permit. A building permit for the kiosk structure necessary to cover the electrical panels will be completed as part of this Scope of Work.

The Scope of Work for this project includes the following tasks.

PRELIMINARY AND FINAL DESIGN

- Task 1 – Project Management
- Task 2 – Topographic Survey (*supported by others*)
- Task 3 – Engineering Geology/Geotechnical Investigation (*supported by others*)
- Task 4 – Revise Pump, Wet Well, and Force Main Sizing
- Task 5 – 30-Percent Plans and Cost Estimate, and Pump and Generator Purchase Specifications
- Task 6 – Permitting Assistance (*supported by others*)
- Task 7 – 60-Percent Plans and Specifications and Electrical Panel Purchase Specifications
- Task 8 – 90-Percent Plans and Specifications
- Task 9 – Final Plans and Specifications
- Task 10 – Submittal Review
- Task 11 – Supplemental Services

Services During Construction is not included as this time. The scope of work and fee estimate for Services During Construction will be developed after the design is complete.

Project Assumptions

The following assumptions were made when preparing this Scope of Work.

- *The City and Developer will compile all permit submittals and pay all permit fees. RH2 will provide pump station site layout, temporary erosion and sedimentation control (TESC) plan, cut and fill quantities, and pump station grading plan for the permit submittal. Grading and utility work associated with the pump station shall be included in the Developer's permitting submittal.*
- *As stated above, it is assumed that land surveying, geotechnical investigations/analysis, and site permitting will be provided by others as subconsultants to the Developer.*
- *The Developer will be the lead agency in the easement or property negotiation. It is assumed that the Developer will subdivide and deed property to the City for the new wastewater pump station.*
- *The construction plan set will be one (1) general set divided into two (2) design packages as follows.*
 - *Package A – Whiskey Ridge Pump Station*
 - *Package B – Whiskey Ridge Force Main*
- *The technical specifications will be divided into two (2) design packages as follows.*
 - *Package A – Whiskey Ridge Pump Station – RH2 modified Construction Specifications Institute (CSI) specifications Divisions 1 through 18.*

- *Package B – Whiskey Ridge Force Main – City of Marysville Design and Development Standards.*
- *All deliverables will be provided in electronic format (PDF) unless otherwise noted. Hard copies of plans, where provided, will be in half-size (11-inch by 17-inch) format, unless otherwise noted.*
- *Unless otherwise noted, RH2 will rely on the accuracy and completeness of data, materials, or information generated or produced by the City, Developer, or others in the performance of this Scope of Work.*
- *The City and Developer will provide timely reviews and approvals, when requested, and RH2 shall not be held responsible for delays attributed to the performance of others.*
- *Services identified in this Scope of Work shall be performed to the level of effort identified in the attached Fee Estimate. If additional effort is determined to be necessary, that additional effort shall be mutually determined by the City and RH2 as outlined in Task 11.*

Time and Performance

RH2 will begin work immediately upon receipt of a Notice to Proceed from the City and will make reasonable effort to complete the services within twelve (12) months from the Notice to Proceed.

Preliminary and Final Design

Task 1 – Project Management

Objective: Organize, manage, and coordinate disciplines and provide quality assurance and quality control (QA/QC) to perform the Scope of Work in close coordination with City staff.

Approach:

- 1.1 Prepare meeting agendas and maintain ongoing communication with City staff as described in this Scope of Work.
- 1.2 Prepare meeting minutes for meetings with City staff described in this Scope of Work.
- 1.3 Prepare monthly invoices, progress reports, and schedule updates.

RH2 Deliverables:

- Meeting agendas for meetings listed in this Scope of Work.
- Meeting minutes for meetings listed in this Scope of Work.
- Monthly invoices with attached schedule adjustments, accomplishments, and future work outline.

Task 2 – Topographic Survey

Objective: Convert topographic survey map provided by the Developer's surveyor into a format compatible with RH2 and City standards.

Approach:

- 2.1 Coordinate with the Developer's land surveyor to obtain the survey in AutoCAD format. Review horizontal and vertical control systems.
- 2.2 Convert topographic map provided by surveyor to RH2 standard layering system and RH2 fonts.
- 2.3 Visit site to review topographic survey map for completeness. Mark up drawing with items missed and make edits in AutoCAD.

Provided by the Developer:

- Topographic survey of pump station site, including Densmore Road in front of the pump station site. Topographic survey of the force main alignment, full road width, along Densmore Road from the proposed pump station site to the White Barn project site. *If the White Barn project is delayed, occurring after the Reid Development project, the survey and force main design will need to extend to the manhole at the intersection of Soper Hill Road and 87th Avenue NE. It is assumed that the Developer will resolve this issue during the 30-Percent Design phase described in Task 5.*
- AutoCAD survey files (DWF and PDF formats).

RH2 Deliverables:

- Survey base map in AutoCAD of the pump station site and force main alignment modified to RH2 standards.
- AutoCAD survey files (DWF and PDF formats).

Task 3 – Engineering Geology/Geotechnical Investigation

Objective: Review geotechnical information for soil and groundwater conditions at the pump station site, adjacent to the pump station site, and along the proposed force main alignment.

Approach:

- 3.1 Review geotechnical field investigations for the wastewater pump station consisting of drilling one (1) soil boring at the pump station site and one (1) additional boring within 50 feet of the pump station (performed by others). Review geotechnical report (prepared by others) to help develop technical specifications and bid items for the shoring and dewatering of the excavations at the pump station site and the construction of a retaining wall.

Provided by the Developer:

- Geotechnical borings and report.

RH2 Deliverables:

- Email to City regarding recommendations for specifications pertaining to shoring and dewatering of the pump station.

Task 4 – Revise Pump, Wet Well, and Force Main Sizing

Objective: Revise pump station hydraulic loading calculations based on the service area size that has changed since the writing of the 2015 predesign report. Revise sizing for the pumps, wet well volume, and force main for the changed hydraulic loading.

Approach:

- 4.1 Redraw service area boundary based on the most current understanding of which properties will be draining to the pump station and which will be directed towards gravity mains serving areas adjacent to the proposed pump station basin.
- 4.2 Calculate the estimated wastewater flows from the revised basin using the current land use and zoning. Size force main to have flow velocity of approximately 3 feet per second.
- 4.3 Update system head curve with new force main size and select pump with optimal efficiency at the new duty point. Revise pump cycling calculations using new flow rate.

RH2 Deliverables:

- Revised service area boundary map.
- Technical memorandum summarizing revised hydraulic loading, force main sizing, pump selection, and active wet well volume sizing.

Task 5 – 30-Percent Plans and Cost Estimate, and Pump and Generator Purchase Specifications

Objective: Prepare preliminary design plans and cost estimates for the pump station, gravity mains, and force main improvements. Prepare pump and generator purchase specifications to allow the generator and pumps to be ordered as soon as possible.

Approach:

Task 5.1 – Preliminary Design Criteria and Existing Data Evaluation

- 5.1.1 Prepare a design criteria and equipment preferences checklist that will contain a comprehensive list of various site, structural, mechanical, equipment, electrical, and telemetry criteria and equipment choices.
- 5.1.2 Conduct one (1) meeting with City staff to review the design criteria and select the preferred equipment.

Task 5.2 – Develop Standard Pump Station Plans

- 5.2.1 Create a cover sheet, including index and vicinity map.
- 5.2.2 Create a general notes sheet (one (1) plan sheet total).

Task 5.3: Pump Station Site and Landscaping Design

- 5.3.1 Develop site, TESC, and grading/surface restoration plans. *It is assumed that the proposed impermeable surface area will not require stormwater management permitting, detention, water quality treatment, or permanent controls per the City's Drainage Code.*
- 5.3.2 Develop near final landscaping plans to be used for permit application. Landscaping will be designed to screen the pump station site and above-ground equipment from adjacent neighbors. This effort will include up to two (2) total plan sheets: one (1) plan sheet and one (1) detail sheet.

Task 5.4: Pump Station Structural Design

- 5.4.1 Develop 30-percent structural layout plans for the proposed wet well and valve vault improvements.
- 5.4.2 Develop 30-percent structural layout plans for the proposed emergency generator and electrical shelter.

Task 5.5: Pump Station Mechanical Design

- 5.5.1 Coordinate with pump vendor for pump technical data necessary for design.
- 5.5.2 Develop 30-percent mechanical plans and elevation.

Task 5.6: Pump Station Electrical Design

- 5.6.1 Coordinate with the Bonneville Power Administration (BPA) to develop guidelines for work taking place within the right-of-way of BPA overhead power lines.
- 5.6.2 Develop 30-percent electrical, generator, and telemetry plans. *This assumes the design of the station with two (2) pumps running in parallel in conjunction with a variable frequency drive. It is assumed that standard exterior sound attenuation provided by the generator manufacturer will be sufficient; therefore, no additional sound attenuation analysis will be required.*

Task 5.7: Force Main Design

- 5.7.1 Develop a base map showing the location of the force main alignment from the survey data converted in Task 2.
- 5.7.2 Prepare 30-percent design plans for the proposed force main. The force main will extend south from the proposed pump station along Densmore Road. The force main will terminate near the White Barn on Densmore Road. The force main size will be determined based on projected influent flow rates outlined in Task 4. This effort will include up to five (5) plan sheets at 20-foot scale drawing with a total force main length of approximately 2,700 feet.

Task 5.8: Traffic Control Plans

- 5.8.1 Prepare traffic control plans that will include lane restriction, flagging requirements, sign placements, and potential detour route during the construction of the force main and pump

station. *It is assumed that traffic control along Densmore Road will be limited to local traffic during the duration of construction activities.*

Task 5.9: Plans and Cost Estimate

- 5.9.1 Compile 30-percent plan sheets, perform in-house QA/QC, and develop construction cost estimate. Submit to City for review.
- 5.9.2 Conduct one (1) meeting with City staff to review 30-percent plans.
- 5.9.3 Incorporate comments from the 30-percent review meeting into the design plans.

Task 5.10: Purchase Specifications for Pumps and Generator

- 5.10.1 Create a table showing the duty points and corresponding hydraulic efficiencies for the pumps selected in Task 4. Coordinate with the pump vendor for optimal pump selection for the duty conditions presented. *The City has standardized on Hidrostal pumps with pre-rotation basins. Only Hidrostal pumps will be considered.*
- 5.10.2 Prepare pump and generator purchase specifications that will stipulate:
 - a. Submittal requirements. This list will include items that must be reviewed and approved by the City and Engineer prior to the manufacture of the pumps and generator;
 - b. Standards by which the pumps and generator will comply;
 - c. Materials of construction and minimum performance standards for the pumps and generator;
 - d. Warranty, operating manuals, and extra parts required for maintenance and operation of the pumps; and
 - e. Shipping, storage, and unloading requirements for the pumps.

RH2 Deliverables:

- Three (3) half-size plans at the 30-percent review level, including traffic control plans.
- 30-percent construction cost estimate emailed to the City.
- Pump and generator purchase specifications in electronic PDF format for Developer to use to solicit bids for the pumps and generator.

Task 6 – Permitting Assistance

Objective: Assist the City with permitting requirements for the construction of the project.

Approach:

- 6.1 Provide Developer technical information for preparation of a State Environmental Policy Act (SEPA) checklist.
- 6.2 Assemble structural calculations and complete a Building Permit application for the kiosk structure covering the electrical panels.

Assumptions:

- *The City and Developer will have the primary permitting responsibility for this project, with assistance from RH2 as identified in Task 6. Plans for the construction of the wastewater pump station and force main will be included with the permit application for the new development.*
- *The City will be the lead agency for SEPA, which will cover the entire project.*
- *The proposed pump station is outside any critical areas, including wetlands, streams, or their associated buffers. Critical areas permitting or compensatory mitigation for the pump station is not required and is not reflected in this Scope of Work.*
- *All necessary utility, access, and temporary easements will be obtained by the City.*
- *It is assumed that a Building Permit will be required for the kiosk roof over the electrical panels.*
- *It is assumed that land use permitting will not be required for this project because work involves underground utilities, which are exempted from site development review.*

Provided by City:

- All permit fees will be paid for by the City.

RH2 Deliverables:

- Technical information and services related to the preparation of a SEPA checklist.
- Building Permit application and structural calculations for kiosk structure in electronic PDF and hard copy format.

Task 7 – 60-Percent Plans and Specifications and Electrical Panel Purchase Specifications

Objective: Develop 60-percent design plans and specifications for the pump station and force main based on the decisions made during the 30-percent design task. Prepare electrical panel layouts and purchase specifications to allow the panel to be ordered as soon as possible.

Task 7.1: Pump Station 60-Percent Plans and Specifications

- 7.1.1 Prepare 60-percent standard plans.
- 7.1.2 Prepare 60-percent site plans, traffic control plans, and details.
- 7.1.3 Prepare 60-percent architectural plans and details.
- 7.1.4 Prepare 60-percent structural plans.
- 7.1.5 Prepare 60-percent mechanical plans.
- 7.1.6 Prepare 60-percent electrical and telemetry plans.
- 7.1.7 Prepare 60-percent technical specifications.

- 7.1.8 Attend one (1) meeting with City staff to review 60-percent pump station and force main plans and specifications.
- 7.1.9 Perform in-house QA/QC and incorporate comments from the 60-percent review meeting into the design plans and specifications.

Task 7.2: Purchase Specifications for Electrical Panels

- 7.2.1 Prepare plan, elevation, and panel layout using the electrical load information from the pump selection and supervisory control and data acquisition (SCADA) preferences learned from design review meetings with the City.
- 7.2.2 Prepare electrical panel purchase specifications (including motor control center, control panel, and automatic transfer switch) that will stipulate:
 - a. Submittal requirements. This list will include items that must be reviewed and approved by the City and Engineer prior to the manufacture of the panels;
 - b. Manufacturing and performance standards by which the panels will comply;
 - c. Materials of construction;
 - d. Warranty, operating manuals, and extra parts required for maintenance and operation of the panels; and
 - e. Shipping, storage, and unloading requirements for panels.

Task 7.3: Force Main 60-Percent Plans and Specifications

- 7.3.1 Update design plans for the proposed force main developed during the preliminary 30-percent design phase.
- 7.3.2 Develop technical specifications specific to the force main construction.
- 7.3.3 Develop 60-percent plans and specifications. Perform in-house QA/QC review and incorporate internal and City review comments.

RH2 Deliverables:

- Three (3) half-size pump station design plan sets at 60-percent review.
- Three (3) half-size force main design plan sets at 60-percent review.
- PDF and one (1) paper copy of 60-percent technical specifications for both the pump station and force main.
- Electrical panel plans and elevations, including interface layout, and purchase specifications in electronic PDF format for Developer to use to solicit bids.

Task 8 – 90-Percent Plans and Specifications

Objective: Develop 90-percent design plans and specifications for the pump station and force main based on the decisions made during the 60-percent design phase.

Task 8.1: Pump Station 90-Percent Plans and Specifications

- 8.1.1 Prepare 90-percent standard plans.
- 8.1.2 Prepare 90-percent site plans, traffic control plans, and details.
- 8.1.3 Prepare 90-percent architectural plans and details.
- 8.1.4 Prepare 90-percent structural plans.
- 8.1.5 Prepare 90-percent mechanical plans.
- 8.1.6 Prepare 90-percent electrical and telemetry plans.
- 8.1.7 Prepare 90-percent technical specifications.
- 8.1.8 Attend one (1) meeting with City staff to review 90-percent pump station and force main plans and specifications.
- 8.1.9 Perform in-house QA/QC review and incorporate comments from the 90-percent review meeting into the design plans and specifications.

Task 8.2: Force Main Replacement 90-Percent Plans and Specifications

- 8.2.1 Develop 90-percent force main plans and specifications.
- 8.2.2 Perform in-house QA/QC review and incorporate internal and City review comments.

RH2 Deliverables:

- Three (3) half-size pump station design plan sets at 90-percent review.
- Three (3) half-size force main improvements design plan sets at 90-percent review.
- PDF and one (1) paper copy of 90-percent technical specifications for both the pump station and force main.

Task 9 – Final Plans and Specifications

Approach: Develop final plans, and specifications for the pump station and force main improvements based on the decisions made during the 90-percent design effort.

Task 9.1: Final Pump Station Plans and Specifications

- 9.1.1 Prepare final standard plans.
- 9.1.2 Prepare final site plans, traffic control plans, and details.
- 9.1.3 Prepare final architectural plans and details.
- 9.1.4 Prepare final structural plans.

- 9.1.5 Prepare final mechanical plans.
- 9.1.6 Prepare final electrical and telemetry plans.
- 9.1.7 Prepare final technical specifications.
- 9.1.8 Perform in-house QA/QC on final plans and specifications.

Task 9.2: Final Force Main Plans and Specifications

- 9.2.1 Develop final plans and specifications.
- 9.2.2 Perform in-house QA/QC on final plans and specifications.

RH2 Deliverables:

- Pump station plan sets, including three (3) half-size sets and one (1) full-size set. PDF and three (3) paper copies of final technical specifications.
- Force main plan sets, including three (3) half-size sets and one (1) full-size set. PDF and three (3) paper copies of final technical specifications.

Task 10 – Submittal Review

Objective: Review submittals for equipment and materials to determine if they are in compliance with the design intent of the project.

Approach:

- 10.1 Review generator and pump submittals. Correspond with manufacturers to resolve issues that must be addressed before the pumps and generators can be released for fabrication. Prepare written submittal review describing all items that must be corrected.
- 10.2 Review electrical panel submittals. Correspond with manufacturers to resolve issues that must be addressed before the service entrance, motor control center, control panel, and automatic transfer switch can be released for fabrication. Prepare written submittal review describing all items that must be corrected.
- 10.3 Review submittals for pre-cast concrete structures, hatches, ladders, fasteners, pipe, conduit, electrical power supply components, valves, instrumentation, coatings, bollards, plantings, concrete mixes, aggregate, asphalt, and operations and maintenance manuals.

Provided by the Developer and Developer's Contractor:

- Submittals in PDF format as required by the technical specifications.
- Timely responses to submittal reviews by RH2.

RH2 Deliverables:

- Written reviews of submittals in electronic PDF format.

- Correspondence with the Developer's contractor, materials providers, and equipment manufacturers to resolve issues of non-compliance with the design intent of the plans and specifications.

Task 11 – Supplemental Services

Objective: Provide additional services as required by the City.

Approach:

11.1 Provide additional services as may be required to complete the project as requested and authorized by the City. RH2 shall submit a scope of work and budget estimate for Supplemental Services requested by the City. The City shall provide written authorization to proceed with any Supplemental Services. RH2 will not begin work on Supplemental Services without written authorization from the City.

RH2 Deliverables:

- Scope of work and budget estimate for supplemental services.
- Other deliverables as requested by the City under authorization for any supplemental services.

EXHIBIT B**Fee Estimate****City of Marysville****Whiskey Ridge Pump Station and Wastewater Collection Design****Dec-21**

Description		Total Hours	Total Labor	Total Expense	Total Cost
Preliminary and Final Design					
Task 1	Project Management	82	\$ 15,108	\$ 1,518	\$ 16,626
1.1	Prepare meeting agendas and maintain communication	20	\$ 4,056	\$ 436	\$ 4,492
1.2	Prepare meeting minutes	24	\$ 4,560	\$ 462	\$ 5,022
1.3	Prepare monthly invoices and schedule updates	38	\$ 6,492	\$ 620	\$ 7,112
Task 2	Topographic Survey	20	\$ 3,360	\$ 578	\$ 3,938
2.1	Coordinate with developer's surveyor	2	\$ 336	\$ 8	\$ 344
2.2	Convert topographic map to RH2 standard layering	10	\$ 1,680	\$ 287	\$ 1,967
2.3	Visit site to review survey for completeness	8	\$ 1,344	\$ 283	\$ 1,627
Task 3	Engineering Geology/Geotechnical Investigation	7	\$ 1,550	\$ 315	\$ 1,865
3.1	Review geotechnical field investigations and develop specifications	7	\$ 1,550	\$ 315	\$ 1,865
Task 4	Revise Pump, Wet Well, and Force Main Sizing	29	\$ 5,481	\$ 137	\$ 5,618
4.1	Redraw service area boundary	9	\$ 1,599	\$ 40	\$ 1,639
4.2	Calculate estimated wastewater flows from revised basin and size force main	6	\$ 1,182	\$ 30	\$ 1,212
4.3	Update system head curve and select pump	14	\$ 2,700	\$ 68	\$ 2,768
Task 5 - 30-Percent Plans and Cost Estimate, and Pump and Generator Purchase Specifications					
Task 5.1	Preliminary Design Criteria and Existing Data Evaluation	32	\$ 6,232	\$ 194	\$ 6,426
5.1.1	Prepare design criteria and equipment preferences checklist	24	\$ 4,540	\$ 114	\$ 4,654
5.1.2	Conduct meeting with City staff to review design criteria	8	\$ 1,692	\$ 81	\$ 1,773
Task 5.2	Develop Standard Pump Station Plans	19	\$ 3,371	\$ 564	\$ 3,935
5.2.1	Create cover sheet	7	\$ 1,222	\$ 216	\$ 1,438
5.2.2	Create general notes sheet	12	\$ 2,149	\$ 349	\$ 2,498
Task 5.3	Pump Station Site and Landscaping Design	46	\$ 8,720	\$ 1,038	\$ 9,758
5.3.1	Develop site, TESC, and grading/surface restoration plans	36	\$ 6,948	\$ 749	\$ 7,697
5.3.2	Develop near final landscaping plans	10	\$ 1,772	\$ 289	\$ 2,061
Task 5.4	Pump Station Structural Design	34	\$ 6,598	\$ 732	\$ 7,330
5.4.1	Develop 30-percent wet well and valve vault structural plans	10	\$ 1,956	\$ 209	\$ 2,165
5.4.2	Develop 30-percent emergency generator structural plans	24	\$ 4,642	\$ 524	\$ 5,166
Task 5.5	Pump Station Mechanical Design	39	\$ 7,377	\$ 894	\$ 8,271
5.5.1	Coordinate with pump vendor	17	\$ 3,289	\$ 82	\$ 3,371
5.5.2	Develop 30-percent mechanical plans	22	\$ 4,088	\$ 812	\$ 4,900
Task 5.6	Pump Station Electrical Design	52	\$ 9,956	\$ 1,027	\$ 10,983
5.6.1	Coordinate with BPA to develop guidelines	12	\$ 2,384	\$ 60	\$ 2,444
5.6.2	Develop 30-percent electrical and telemetry plans	40	\$ 7,572	\$ 968	\$ 8,540
Task 5.7	Force Main Design	58	\$ 10,368	\$ 1,697	\$ 12,065
5.7.1	Develop base map of existing alignment	24	\$ 4,298	\$ 730	\$ 5,028
5.7.2	Prepare 30-percent force main design plans	34	\$ 6,070	\$ 967	\$ 7,037
Task 5.8	Traffic Control Plans	18	\$ 3,116	\$ 463	\$ 3,579
5.8.1	Prepare traffic control plans	18	\$ 3,116	\$ 463	\$ 3,579
Task 5.9	Plans and Cost Estimate	123	\$ 23,599	\$ 3,097	\$ 26,696
5.9.1	Compile 30-percent plans sheets and develop cost estimate	55	\$ 10,907	\$ 1,402	\$ 12,309
5.9.2	Conduct meeting with City to review plans	10	\$ 2,038	\$ 315	\$ 2,353
5.9.3	Incorporate comments from 30-percent review meeting	58	\$ 10,654	\$ 1,381	\$ 12,035
Task 5.10	Purchase Specifications for Pumps and Generator	33	\$ 5,940	\$ 671	\$ 6,611
5.10.1	Create table showing duty points for pumps	3	\$ 591	\$ 70	\$ 661
5.10.2	Prepare pump and generator purchase specifications	30	\$ 5,349	\$ 601	\$ 5,950
Task 6	Permitting Assistance	31	\$ 6,084	\$ 349	\$ 6,433
6.1	Provide Developer technical information for SEPA checklist	10	\$ 2,001	\$ 55	\$ 2,056
6.2	Assemble structural calculations and complete Building Permit	21	\$ 4,083	\$ 295	\$ 4,378

Description		Total Hours	Total Labor	Total Expense	Total Cost
Task 7 - 60-Percent Plans and Specifications and Electrical Panel Purchase Specifications					
Task 7.1	Pump Station 60-Percent Plans and Specifications	374	\$ 69,932	\$ 7,587	\$ 77,519
7.1.1	Prepare 60-percent standard plans	22	\$ 3,788	\$ 590	\$ 4,378
7.1.2	Prepare 60-percent site plans, traffic control plans, and details	32	\$ 5,744	\$ 749	\$ 6,493
7.1.3	Prepare 60-percent architectural plans	18	\$ 3,208	\$ 438	\$ 3,646
7.1.4	Prepare 60-percent structural plans	32	\$ 5,668	\$ 637	\$ 6,305
7.1.5	Prepare 60-percent mechanical plans	36	\$ 6,248	\$ 761	\$ 7,009
7.1.6	Prepare 60-percent electrical and telemetry plans	60	\$ 11,232	\$ 1,601	\$ 12,833
7.1.7	Prepare 60-percent specifications	46	\$ 9,012	\$ 225	\$ 9,237
7.1.8	Attend meeting with City to review 60-percent plans and specifications	16	\$ 3,520	\$ 426	\$ 3,946
7.1.9	Perform in-house QA/QC and incorporate review comments	112	\$ 21,512	\$ 2,160	\$ 23,672
Task 7.2	Purchase Specifications for Electrical Panels	70	\$ 12,882	\$ 1,807	\$ 14,689
7.2.1	Prepare plan, elevation, and panel layout	39	\$ 7,329	\$ 1,063	\$ 8,392
7.2.2	Prepare electrical panel purchase specifications	31	\$ 5,553	\$ 744	\$ 6,297
Task 7.3	Force Main 60-Percent Plans and Specifications	86	\$ 15,134	\$ 2,111	\$ 17,245
7.3.1	Update design plans for proposed force main	29	\$ 5,143	\$ 734	\$ 5,877
7.3.2	Develop technical specifications for force main	30	\$ 5,374	\$ 739	\$ 6,113
7.3.3	Develop 60-percent plans and specifications	27	\$ 4,617	\$ 638	\$ 5,255
Task 8 - 90-Percent Plans and Specifications					
Task 8.1	Pump Station 90-Percent Plans and Specifications	281	\$ 53,306	\$ 6,122	\$ 59,428
8.1.1	Prepare 90-percent standard plans	8	\$ 1,436	\$ 251	\$ 1,687
8.1.2	Prepare 90-percent site plans, traffic control plans, and details	39	\$ 6,970	\$ 939	\$ 7,909
8.1.3	Prepare 90-percent architectural plans	25	\$ 4,250	\$ 734	\$ 4,984
8.1.4	Prepare 90-percent structural plans	22	\$ 3,796	\$ 585	\$ 4,381
8.1.5	Prepare 90-percent mechanical plans	28	\$ 4,896	\$ 695	\$ 5,591
8.1.6	Prepare 90-percent electrical and telemetry plans	37	\$ 7,142	\$ 944	\$ 8,086
8.1.7	Prepare 90-percent specifications	36	\$ 7,150	\$ 238	\$ 7,388
8.1.8	Attend meeting with City to review 90-percent plans and specifications	8	\$ 1,992	\$ 388	\$ 2,380
8.1.9	Perform in house QA/QC and incorporate review comments	78	\$ 15,674	\$ 1,349	\$ 17,023
Task 8.3	Force Main Replacement 90-Percent Plans and Specifications	40	\$ 7,675	\$ 682	\$ 8,357
8.2.1	Develop 90-percent plans and specifications	16	\$ 2,868	\$ 292	\$ 3,160
8.2.2	Perform in-house QA/QC and incorporate review comments	24	\$ 4,807	\$ 390	\$ 5,197
Task 9 - Final Plans and Specifications					
Task 9.1	Final Pump Station Plans and Specifications	165	\$ 31,877	\$ 2,856	\$ 34,733
9.1.1	Prepare final standard plans	6	\$ 1,100	\$ 188	\$ 1,288
9.1.2	Prepare final site plans, traffic control plans, and details	20	\$ 3,544	\$ 551	\$ 4,095
9.1.3	Prepare final architectural plans	9	\$ 1,650	\$ 256	\$ 1,906
9.1.4	Prepare final structural plans	14	\$ 2,628	\$ 336	\$ 2,964
9.1.5	Prepare final mechanical plans	16	\$ 2,780	\$ 477	\$ 3,257
9.1.6	Prepare final electrical and telemetry plans	20	\$ 3,936	\$ 533	\$ 4,469
9.1.7	Prepare final technical specifications	10	\$ 1,985	\$ 109	\$ 2,094
9.1.9	Perform in-house QA/QC on plans and specifications	70	\$ 14,254	\$ 406	\$ 14,660
Task 9.3	Final Force Main Plans and Specifications	44	\$ 7,964	\$ 199	\$ 8,163
9.2.1	Develop final plans and specifications	36	\$ 5,972	\$ 149	\$ 6,121
9.2.2	Perform in-house QA/QC on plans and specifications	8	\$ 1,992	\$ 50	\$ 2,042
Task 10	Submittal Review	64	\$ 11,728	\$ 1,696	\$ 13,424
10.1	Review generator and pump submittals	24	\$ 4,474	\$ 607	\$ 5,081
10.2	Review electrical panel submittals	27	\$ 4,845	\$ 754	\$ 5,599
10.3	Review submittals for appurtenances and manuals	13	\$ 2,409	\$ 335	\$ 2,744
Subtotal Whiskey Ridge Pump Station and Wastewater Collection Design Tasks		1718	\$ 321,877	\$ 36,198	\$ 363,693
Task 11	Supplemental Services	-	\$ -	\$ -	\$ 25,000
11.1	Provide additional services as requested	-	\$ -	\$ -	\$ 25,000
PROJECT TOTAL		1718	\$ 321,877	\$ 36,198	\$ 388,693

EXHIBIT C
RH2 ENGINEERING, INC.
2022 SCHEDULE OF RATES AND CHARGES

RATE LIST	RATE	UNIT
Professional I	\$152	\$/hr
Professional II	\$168	\$/hr
Professional III	\$182	\$/hr
Professional IV	\$199	\$/hr
Professional V	\$214	\$/hr
Professional VI	\$227	\$/hr
Professional VII	\$243	\$/hr
Professional VIII	\$255	\$/hr
Professional IX	\$255	\$/hr
Control Specialist I	\$139	\$/hr
Control Specialist II	\$152	\$/hr
Control Specialist III	\$166	\$/hr
Control Specialist IV	\$180	\$/hr
Control Specialist V	\$192	\$/hr
Control Specialist VI	\$207	\$/hr
Control Specialist VII	\$220	\$/hr
Control Specialist VIII	\$231	\$/hr
Technician I	\$116	\$/hr
Technician II	\$126	\$/hr
Technician III	\$144	\$/hr
Technician IV	\$155	\$/hr
Technician V	\$169	\$/hr
Technician VI	\$186	\$/hr
Technician VII	\$202	\$/hr
Technician VIII	\$212	\$/hr
Administrative I	\$75	\$/hr
Administrative II	\$90	\$/hr
Administrative III	\$107	\$/hr
Administrative IV	\$126	\$/hr
Administrative V	\$145	\$/hr
CAD/GIS System	\$27.50	\$/hr
CAD Plots - Half Size	\$2.50	price per plot
CAD Plots - Full Size	\$10.00	price per plot
CAD Plots - Large	\$25.00	price per plot
Copies (bw) 8.5" X 11"	\$0.09	price per copy
Copies (bw) 8.5" X 14"	\$0.14	price per copy
Copies (bw) 11" X 17"	\$0.20	price per copy
Copies (color) 8.5" X 11"	\$0.90	price per copy
Copies (color) 8.5" X 14"	\$1.20	price per copy
Copies (color) 11" X 17"	\$2.00	price per copy
Technology Charge	2.50%	% of Direct Labor
Mileage	\$0.585	price per mile (or Current IRS Rate)
Subconsultants	15%	Cost +
Outside Services	at cost	

EXHIBIT B
Subcontractors/Subconsultants

Below is a list of approved subcontractors/subconsultants. If left blank, there are no approved subcontractors or subconsultants.
