



CITY OF EDMONDS

700 Main Street · EDMONDS, WA 98020 · 425-771-0320 · FAX 425-771-0253
Website: www.edmondswa.gov

MIKE NELSON
MAYOR

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT ("Agreement") is made and entered into between the City of Edmonds, hereinafter referred to as the "City", and **Murraysmith** hereinafter referred to as the "Consultant";

WHEREAS, the City desires to engage the professional services and assistance of a consulting firm to provide design services with respect to the **Phase 8 Annual Sewerline Replacement Project**;

NOW, THEREFORE, in consideration of mutual benefits accruing, it is agreed by and between the parties hereto as follows:

1. **Scope of work.** The scope of work shall include all services and material necessary to accomplish the above mentioned objectives in accordance with the Scope of Work that is marked as Exhibit A, attached hereto and incorporated herein by this reference.

2. **Payments.** The Consultant shall be paid by the City for completed work for services rendered under this Agreement as provided hereinafter. Such payment shall be full compensation for work performed or services rendered and for all labor, materials, supplies, equipment and incidentals necessary to complete the work.

A. Payment for work accomplished under the terms of this Agreement shall be on a time and expense basis as set forth on the Fee Schedule that is marked as Exhibit B, attached hereto and incorporated herein by this reference; **provided**, in no event shall the payment for work performed pursuant to this Agreement exceed the sum of THREE HUNDRED SEVENTY ONE THOUSAND, NINE HUNDRED AND TWELVE DOLLARS **\$371,912**.

B. All vouchers shall be submitted by the Consultant to the City for payment pursuant to the terms of this Agreement. The City shall pay the appropriate amount for each voucher to the Consultant. The Consultant may submit vouchers to the City biweekly during the progress of the work for payment of completed phases of the project. Billings shall be reviewed in conjunction with the City's warrant process. No billing shall be considered for payment that has not been submitted to the City three days prior to the scheduled cut-off date. Such late vouchers will be checked by the City and payment will be made in the next regular payment cycle.

C. The costs records and accounts pertaining to this Agreement are to be kept available for inspection by representatives of the City for a period of three (3) years after final payment. Copies shall be made available upon request.

3. **Ownership and use of documents.** All research, tests, surveys, preliminary data and any and all other work product prepared or gathered by the Consultant in preparation for the services rendered by the Consultant under this Agreement shall be and are the property of the Consultant, **provided, however,** that:

A. All final reports, presentations and testimony prepared by the Consultant shall become the property of the City upon their presentation to and acceptance by the City and shall at that date become the property of the City.

B. The City shall have the right, upon reasonable request, to inspect, review and copy any work product during normal office hours. Documents prepared under this agreement and in the possession of the Consultant may be subject to public records request and release under Chapter 42.56 RCW.

C. In the event that the Consultant shall default on this Agreement, or in the event that this Agreement shall be terminated prior to its completion as herein provided, the work product of the Consultant, along with a summary of work done to date of default or termination, shall become the property of the City and tender of the work product and summary shall be a prerequisite to final payment under this Agreement. The summary of work done shall be prepared at no additional cost.

4. **Time of performance.** The Consultant shall perform the work authorized by this Agreement promptly in accordance with the receipt of the required governmental approvals.

5. **Indemnification / Hold harmless agreement.** The Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses, demands, or suits at law or equity arising from the acts, errors or omissions of the Consultant in the performance of this Agreement, except for injuries and damages caused by the sole negligence of the City. 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.

The Consultant shall comply with all applicable sections of the applicable Ethics laws, including RCW 42.23, which is the Code of Ethics for regulating contract interest by municipal officers. The Consultant specifically assumes potential liability for actions brought by the Consultant's own employees against the City and, solely for the purpose of this indemnification and defense, the Consultant specifically waives any immunity under the state industrial insurance law, Title 51 RCW. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

6. **General and professional liability insurance.** The Consultant shall obtain and keep in force during the term of this Agreement, or as otherwise required, the following insurance with companies or through sources approved by the State Insurance Commissioner pursuant to Title 48 RCW.

Insurance Coverage

- A. Worker's compensation and employer's liability insurance as required by the State.
- B. Commercial general liability and property damage insurance in an aggregate amount not less than two million dollars (\$2,000,000) for bodily injury, including death and property damage. The per occurrence amount shall be written with limits no less than one million dollars (\$1,000,000).
- C. Vehicle liability insurance for any automobile used in an amount not less than a one million dollar (\$1,000,000) combined single limit.
- D. Professional liability insurance in the amount of one million dollars (\$1,000,000).

Excepting the Worker's Compensation Insurance and Professional Liability Insurance secured by the Consultant, the City will be named on all policies as an additional insured. The Consultant shall furnish the City with verification of insurance and endorsements required by the Agreement. The City reserves the right to require complete, certified copies of all required insurance policies at any time.

All insurance shall be obtained from an insurance company authorized to do business in the State of Washington. The Consultant shall submit a verification of insurance as outlined above within fourteen days of the execution of this Agreement to the City.

No cancellation of the foregoing policies shall be effective without thirty days prior notice to the City.

The Consultant's professional liability to the City shall be limited to the amount payable under this Agreement or one million dollars (\$1,000,000), whichever is the greater, unless modified elsewhere in this Agreement. In no case shall the Consultant's professional liability to third parties be limited in any way.

7. **Discrimination prohibited.** Consultant shall not discriminate against any employee or applicant for employment because of race, color, religion, national origin, age, sex, sexual orientation, marital status, veteran status, liability for service in the armed forces of the United States, disability, or the presence of any sensory, mental or physical handicap, or any other protected class status, unless based upon a bona fide occupational qualification.

8. **Consultant is an independent contractor.** The parties intend that an independent contractor relationship will be created by this Agreement. No agent, employee or representative of the Consultant shall be deemed to be an agent, employee or representative of the City for any purpose. Consultant shall be solely responsible for all acts of its agents, employees, representatives and subcontractors during the performance of this Agreement.

9. **City approval of work and relationships.** Notwithstanding the Consultant's status as an independent contractor, results of the work performed pursuant to this Agreement must meet the approval of the City. During pendency of this Agreement, the Consultant shall not perform work for any party with respect to any property located within the City of Edmonds or for any project subject to the administrative or quasijudicial review of the City without written notification to the City and the City's prior written consent.

10. **Termination.** This being an Agreement for professional services, either party may terminate this Agreement for any reason upon giving the other party written notice of such termination no fewer than ten (10) days in advance of the effective date of said termination.

11. **Integration**. The Agreement between the parties shall consist of this document, it's Appendices 1 & 2, the Scope of Work attached hereto as Exhibit A, and the Fee Schedule attached hereto as Exhibit B. These writings constitute the entire Agreement of the parties and shall not be amended except by a writing executed by both parties. In the event of any conflict between this written Agreement and any provision of Exhibits A or B, this Agreement shall control.

12. **Changes/Additional Work**. The City may engage Consultant to perform services in addition to those listed in this Agreement, and Consultant will be entitled to additional compensation for authorized additional services or materials. The City shall not be liable for additional compensation until and unless any and all additional work and compensation is approved in advance in writing and signed by both parties to this Agreement. If conditions are encountered which are not anticipated in the Scope of Work, the City understands that a revision to the Scope of Work and fees may be required. Provided, however, that nothing in this paragraph shall be interpreted to obligate the Consultant to render services, or the City to pay for services rendered, in excess of the Scope of Work in Exhibit A unless or until an amendment to this Agreement is approved in writing by both parties.

13. **Standard of Care**. Consultant represents that Consultant has the necessary knowledge, skill and experience to perform services required by this Agreement. Consultant and any persons employed by Consultant shall use their best efforts to perform the work in a professional manner consistent with sound practices, in accordance with the schedules herein and in accordance with the usual and customary professional care required for services of the type described in the Scope of Work.

14. **Non-waiver**. Waiver by the City of any provision of this Agreement or any time limitation provided for in this Agreement shall not constitute a waiver of any other provision.

15. **Non-assignable**. The services to be provided by the Consultant shall not be assigned or subcontracted without the express written consent of the City.

16. **Covenant against contingent fees**. The Consultant warrants that s/he has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant, to solicit or secure this contract, and that s/he has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award of making of this Agreement. For breach or violation of this warranty, the City shall have the right to annul this Agreement 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, brokerage fee, gift, or contingent fee.

17. **Compliance with laws**. The Consultant in the performance of this Agreement shall comply with all applicable Federal, State or local laws and ordinances, including regulations for licensing, certification and operation of facilities, programs and accreditation, and licensing of individuals, and any other standards or criteria as described in the Agreement to assure quality of services. Beause this Agreement is subject to federal nondiscrimination laws, the Consultant agrees that the provisions of Appendix 1 & 2, attached hereto and incorporated herein by this reference, apply to this Agreement.

The Consultant specifically agrees to pay any applicable business and occupation (B & O) taxes which may be due on account of this Agreement.

18. **Notices.** Notices to the City of Edmonds shall be sent to the following address:

**City of Edmonds
121 Fifth Avenue North
Edmonds, WA 98020**

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

**Murraysmith
2707 Colby Avenue, Suite 1110
Everett, WA 98201**

Receipt of any notice shall be deemed effective three days after deposit of written notice in the U.S. mails, with proper postage and properly addressed.

DATED THIS _____ DAY OF _____, 2020.

CITY OF EDMONDS

MURRAYSMITH

Michael Nelson, Mayor

By _____

Its _____

ATTEST/AUTHENTICATED:

Scott Passey, City Clerk

APPROVED AS TO FORM:

Office of the City Attorney

STATE OF _____)
)ss
COUNTY OF _____)

On this _____ day of _____, 2020, before me, the undersigned, a Notary Public in and for the State of _____, duly commissioned and sworn, personally appeared _____, to me known to be the person who executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said person, for the uses and purposes therein mentioned, and on oath stated that he/she was authorized to execute said instrument.

WITNESS my hand and official seal hereto affixed the day and year first above written.

NOTARY PUBLIC
My commission expires:

APPENDIX 1 CONTRACT
(Appendix A of USDOT 1050.2A Standard Title VI Assurances)

During the performance of this Agreement, the Consultant/Contractor, for itself, its assignees, and successors in interest (hereinafter collectively referred to as the "Consultant/Contractor") agrees as follows:

1. **Compliance with Regulations:** The Consultant/Contractor shall comply with the acts and regulations relative to nondiscrimination in federally-assisted programs of the United States Department of Transportation (USDOT), Title 49, Code of Federal Regulations, Part 21 (49 CFR 21), as they may be amended from time to time (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this Agreement.
2. **Nondiscrimination:** The Consultant/Contractor, with regard to the work performed by it during the Agreement, shall not discriminate on the grounds of race, color, national origin, sex, age, disability, income-level, or LEP in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Consultant/Contractor shall not participate directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the Agreement covers any activity, project, or program set forth in Appendix B of 49 CFR 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the Consultant/ Contractor for work to be performed under a subcontract, including procurement of materials, or leases of equipment, each potential subcontractor or supplier shall be notified by the Consultant/Contractor of the Consultant's/Contractor's obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, national origin, sex, age, disability, income-level, or LEP.
4. **Information and Reports:** The Consultant/Contractor shall provide all information and reports required by the Regulations and directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City or the appropriate state or federal agency to be pertinent to ascertain compliance with such Regulations, orders, and instructions. Where any information required of a Consultant/Contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Consultant/Contractor shall so certify to the City, or state or federal agency, as appropriate, and shall set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of the Consultant's/Contractor's noncompliance with the nondiscrimination provisions of this Agreement, the City shall impose such contract sanctions as it or the appropriate state or federal agency may determine to be appropriate, including, but not limited to:
 - Withholding of payments to the Consultant/Contractor under the Agreement until the Consultant/Contractor complies; and/or
 - Cancellation, termination, or suspension of the Agreement, in whole or in part.
6. **Incorporation of Provisions:** The Consultant/Contractor shall include the provisions of the above paragraphs one (1) through five (5) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The Consultant/Contractor shall take such action with respect to any subcontractor or procurement as the City or appropriate state or federal agency may direct as a means of enforcing such provisions, including sanctions for noncompliance. **Provided**, that if the Consultant/Contractor becomes involved in, or is threatened with, litigation by a subcontractor or supplier as a result of such direction, the Consultant/ Contractor may request that the City enter into such litigation to protect the interests of the City; or may request that the appropriate state agency enter into such litigation to protect the interests of the State of Washington. In addition, the Consultant/Contractor may request the appropriate federal agency enter into such litigation to protect the interests of the United States.

APPENDIX 2 CONTRACT
(Appendix E of USDOT 1050.2A Standard Title VI Assurances)

During the performance of this Agreement, the Consultant/Contractor, for itself, its assignees, and successors in interest (hereinafter collectively referred to as the “Consultant/Contractor”) agrees to comply with the following non-discrimination statutes and authorities, including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration’s Non-Discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898 , Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Person with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure the LEP person have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*).

EXHIBIT A

SCOPE OF WORK 2021 (Phase 8) Sewerline Replacement Project City of Edmonds

Introduction/General/Background

This Scope of Services has been separated into multiple different tasks for clarity and is described in detail below.

- Task 1: Project Management
- Task 2: Data Collection and Utility Coordination
- Task 3: Preliminary Design
- Task 4: Final Design
- Task 5: Bidding Assistance (Limited)
- Task 6: Engineering Support During Construction (Limited)
- Task 7: Survey Services (DHA)
- Task 8: Geotechnical Engineering Services (HWA)
- Task 9: Environmental Services (Confluence)
- Task 10: Potholing Services (APS, Limited)
- Task 11: Unanticipated Task Reserve (As Needed)

Project Understanding and Assumptions

Murraysmith, Inc. has developed the following scope of work and fee estimate to provide engineering services for the City of Edmonds (City) 2021 (Phase 8) Sewerline Replacement Project. This is the first phase of a two-year program that will be accomplished through two separate design-bid-build packages with the first set of projects constructed in 2021 (Phase 8) and the second set of projects constructed in 2022 (Phase 9). This scope includes preliminary and final design engineering services for the 2021 projects (Phase 8) and preliminary design services for the 2022 project (Phase 9). The specific project locations and phasing were reviewed with the City and are described below.

(Phase 8 & 9) Sewerline Replacement Projects:

- Site 1: 176th Street SW – Private Property east of 7117 176th Street SW.
- Site 2: Olympic View Dr. to 76th Avenue W – Private Property south of 18218 76th Avenue W.

- Site 3: 200th Street SW, from 7729 200th Street SW east to 7717 200th Street SW.
- Site 4: Admiral Way W and Dayton Street, to the northwest towards the public restroom
- Site 5: 203rd Street SW, from 77th Avenue W, along 203rd Street SW through Private Property to 7803 202nd Place SW
- Site 6: 209th Street SW
- Site 7: Pioneer Way to Shell Valley Road, from 21020 Pioneer Way, along Pioneer Way and Shell Valley Road to just east of Shell Valley Way
- Site 8: Intersection of 9th Avenue W and Puget Drive, along 9th Avenue N and Hindley Lane to Brookmere Drive.

Scope of Services

Consultant will perform the following services.

Task 1 - Project Management

Objective:

To provide overall leadership and team guidance aligned with City staff objectives. To coordinate, monitor, and control the project resources to meet the technical, communication, and contractual obligations required for developing and implementing the project scope.

Activities:

1.1 Correspondence and Coordination with City

All communication will be coordinated through the City's Project Manager. Correspondence with the City Project Manager via phone conversations and e-mail will include the communication of project decisions, project status, work activities, and issues requiring City input.

1.2 Budget Review, Invoices and Progress Reports

Murraysmith's Project Manager will monitor project costs and manage budget and billing tasks, including preparation and submission of monthly invoices and progress reports.

1.3 Kick-off and Project Coordination Meetings

Prepare for and conduct project kick-off meeting with City staff and key team members to discuss the project, review project schedule, and discuss key elements of the project. In addition, prepare for and conduct up to three (3) project coordination or review meetings with City staff to discuss

project elements. Prepare meeting agenda and record meeting summary to document items discussed and transmit to City.

1.4 Quality Assurance/Quality Control (QA/QC)

Perform in-house quality assurance reviews of all deliverables.

Task Deliverables

1. Correspondence, emails, and other documentation
2. Consultant shall deliver to the City a monthly invoice and status report covering:
 - Work on the project performed during the previous month
 - Meetings attended
 - Problems encountered and actions taken for their resolution
 - Potential impacts to submittal dates, budget shortfalls or optional services
3. Kick-off meeting agenda and summary
4. Project coordination meeting agenda and summary

Assumptions

1. Consultant assumes a Notice to Proceed date by March 1, 2020.
2. Consultant will prepare for and attend one (1) kick-off meeting and up to three (3) project coordination or review meetings during the design phase. Meetings shall be 2 hours in duration, attended by 2 staff.
3. Project duration will be 12 months; therefore, it is assumed that there will be up to 12 progress payments/status reports.

Task 2 – Data Collection and Utility Coordination

Objective:

This task consists of data gathering and utility coordination work.

City Involvement:

- CCTV inspection and deficiency reports
- Provide all available as-built documents for City facilities

Activities:

2.1 Data Collection and Review

Work under this subtask includes gathering and reviewing all relevant data to complete the preliminary engineering tasks. A number of documents and reports will be requested and reviewed as part of this task, including record drawings and CCTV inspections and deficiency reports. Murraysmith will develop a formal “Request for Information” process and coordinate with the City during data collection to ensure all necessary information is gathered for the project. This will also include obtaining the City of Lynnwood’s construction standards for Site 2.

2.2 Utility Coordination and Analysis

Collect and review existing available utility system mapping, perform a utility conflict analysis and identify potential utility conflicts. Develop a list of potential conflict locations to obtain specific utility information including dimensions, location, and depth, utilizing potholing techniques on an as-needed basis. Potholing, if needed, will be completed under Task 10.

Task Deliverables

1. Electronic copy of formal “Request for Information”

Assumptions

- Murraysmith will review relevant data for all project locations.

Task 3 – Preliminary Design

Objective:

This task provides for preliminary engineering design services for the proposed Phase 8 and Phase 9 sanitary sewer replacement project sites.

City Involvement:

- Complete review of the preliminary design drawings, engineer’s opinion of probable construction cost and all supporting documentation with verbal or written comments. City review period is assumed to be 2 weeks.
- City to prepare and submit any required JARPA to Department of Ecology or Washington Department of Fish and Wildlife.
- Take the lead in coordinating all State and Federal permits.

Activities:

3.1 Plans (30% Design Completion Level)

Using the project information developed in the previous tasks, prepare preliminary design drawings to the 30% design completion level. Preliminary drawings will show plan and profile views and major project elements. Drawings will be developed at 1-inch = 20-foot scale in AutoCAD electronic format. The drawings will be prepared and submitted to the City for review and comment.

3.2 Engineer's Opinion of Probable Construction Cost

A preliminary engineer's opinion of probable construction cost to 30% design completion level will be developed and include a schedule of estimated quantities, unit prices, and total preliminary construction cost for the project.

3.3 Permitting Support (Limited)

Provide assistance as required in developing figures, preliminary plans, information, and supporting graphic documentation for permits prepared and submitted by the City and as necessary for the Critical Areas Report for Site 2 prepared by Murraysmith's Subconsultant under Task 9.

Task Deliverables

1. One (1) electronic copy in PDF format of the 30% design drawings
2. One (1) electronic copy of engineer's opinion of probable construction cost
3. Electronic copy of 30% design drawings in AutoCAD Civil 3D 2019 format

Assumptions

- Project Contract Documents including specifications will not be prepared for the preliminary design phase.
- Murraysmith will follow the City's cost estimating policy in preparing the Engineer's Opinion of Probable Construction Cost.
- Cost estimates for each site will be prepared as separate bid schedules.
- Preliminary design will be completed for all project sites for the Phase 8 and 9 work.
- Preliminary design plans will include up to sixteen (16) plan and profile sheets for the Phase 8 and 9 work.
- City will take the lead in preparing permits and coordinating project elements with key stakeholders including WDFW, franchised utilities, and public as affected by the project.

- Murraysmith’s support services for permitting will be performed up to the extent of the fee estimate for the permitting support task, unless otherwise approved in advance by the City through a budget amendment or authorization to invoice against the Unanticipated Task Reserve budget.

Task 4 – Final Design

Objective:

This task will produce final plans for the project with direction from the City received in the preliminary design work task for the projects that will be incorporated into the 2021 (Phase 8) Sewerline Replacement bid package. Final design plans will be presented at the 60% and 90% completion level for review by the City. Final bid ready plans at the 100% completion level will incorporate all prior review comments and will be suitable for bidding.

City Involvement:

- Complete review of the documents at 60% and 90% design completion level with verbal or written comments. City review period for the submittal is 2 weeks.
- Provide electronic files and periodic updates of text, forms, schedules, and other components of the contract documents, including preferred front-end sections.
- AutoCAD drawings of standard details to be incorporated into the contract documents.
- Take the lead in coordinating all State and Federal permits.
- Attendance and participation in coordination meetings with the City of Lynnwood for Site 2.

Activities:

4.1 Plans, Specifications, and Estimate (60% and 90% Design Completion Level)

- A. The preliminary design drawings (30% design completion level) will be revised and further developed to incorporate comments from the City’s review of the preliminary design. Develop design plans and engineer’s opinion of probable construction cost to approximately 60% and 90% design completion level. A preliminary list of drawings anticipated in the complete plan set is shown below; actual list may differ depending on final set of improvements to be designed.

Drawing No.	Description
<u>General</u>	
G1	Cover Sheet, Vicinity Map, List of Drawings
G2	Legend and Abbreviations

G3	General Notes
G4	Survey Control Plan and Notes

Civil

C1 through C11	Sewer Plan and Profile
D1 through D6	Civil Details

- B. Murraysmith will prepare technical specifications and appendices to support the design and which will be included in the project Contract Documents. Specifications will be prepared based on the WSDOT Standard Specifications, latest edition, and the City’s standard supplemental special provisions.
- C. An engineer’s opinion of probable construction cost will be developed and will include a schedule of estimated quantities, unit prices, and total construction cost for the project.
- D. Submit 60% and 90% design package, including complete plan set, specifications, and engineer’s opinion of probable construction cost, to the City for review and comment.

4.2 Final Bid Ready Plans, Specifications & Estimate

- A. The 90% design package will be revised and further developed to incorporate comments from the City’s review of the 90% design. Develop design plans and engineer’s opinion of probable construction cost that are ready for bidding. Revise bid proposal quantities to reflect a bid-ready design package.
- B. Submit stamped and signed bid-ready Contract Documents to City for distribution.

4.3 Constructability Review

Provide a limited constructability review of the proposed improvements and identify issues that could affect the construction of the improvements as designed or the construction schedule.

4.4 Coordination with the City of Lynnwood

Site 2 discharges into the City of Lynnwood’s collection system. Contact the City of Lynnwood to review the project and identify any project constraints or requirements.

Task Deliverables

1. Submission for 60% and 90% design packages include an electronic copy in PDF format of plan set, specifications (also in MS Word), and engineer’s opinion of probable construction cost via email.
2. Electronic copy of 60%, 90%, and 100% design drawings in AutoCAD 2019 Civil 3D format via email.

3. Final bid ready plans and specifications in PDF format via email.

Assumptions

- Murraysmith shall apply a Washington Professional Engineer's stamp with signature and date on the final bid-ready edition of the design plans and specifications.
- Review comments will be received in a complete, single submittal. Multiple rounds of review comments on the same design completion submittal are not anticipated.
- Contractor shall be responsible for the development of traffic control and erosion control plans.
- City to coordinate and submit bid-ready contract documents to Builders Exchange or similar service.
- Murraysmith will follow the City's cost estimating policy in preparing the Engineer's Opinion of Probable Construction Cost.
- Cost estimates and design plans for each site will be prepared as separate bid schedules.
- Restoration Plan sheets will not be developed.
- Approximately half of the project sites (up to 3,470 linear feet of sanitary sewer) will be developed through final design. Final design of the other half will be completed under the 2022 (Phase 9) Sewerline Replacement Project.

Task 5 – Bidding Assistance (Limited)

Objective:

This task includes supporting the City on an as-needed basis in providing assistance during bidding of the Phase 8 project.

City Involvement:

- Take the lead in tasks associated with printing bid documents, document distribution, bid advertisement, addenda distribution, plan holder administration, bid evaluation, bid tabulation, etc.
- Hosting the pre-bid conference.

Activities:

5.1 Bidder Inquiries and Addenda

Respond to questions from bidders, subcontractors, equipment suppliers, and other vendors regarding the project, plans, and specifications. Maintain a written record of communications during the bidding process. Prepare and provide information for the issuance of any addenda as necessary to clarify the contract documents.

Task Deliverables

1. Draft addenda as required for the City to distribute to plan holders.

Assumptions

- Murraysmith's support services during bidding will be performed up to the extent of the fee estimate for the Bidding Support task, unless otherwise approved in advance by the City through a budget amendment or authorization to invoice against the Unanticipated Task Reserve budget.

Task 6 – Engineering Support During Construction (Limited)

Objective:

This task represents minimal involvement by Murraysmith during construction in support of the City's on-site inspector and construction management staff for the Phase 8 project. Murraysmith's services will be provided on an as-needed basis and will be limited to incidental support and periodic collaboration with the City and the construction contractor, all at the direction of the City.

City Involvement:

- Initial review of all requests for information.
- Full-time on-site inspection and will take the lead in administrating and managing the construction contract and communicating with the construction contractor.
- Single copy of complete and fully-coordinated construction markups for production of record drawings.

Activities:

6.1 Pre-Construction Conference

Attend a pre-construction conference for the project and provide support to the City for specific agenda items.

6.2 Clarifications and Changes

At the request of the City, Murraysmith will assist with issuing clarifications to the construction contractor and producing design changes if necessary.

6.3 Record Drawings (As-built Drawings)

Prepare record drawings in AutoCAD to indicate changes made during construction, based on notes and sketches provided by the City.

Task Deliverables

1. Written clarifications and design plan modifications, as requested
2. One (1) electronic copy in PDF format of record drawings
3. Electronic copy of record drawings in AutoCAD Civil3D 2019 format

Assumptions

- Murraysmith will not be involved in construction meetings, on-site construction observation/inspection, submittal review, and other construction administration/management activities not identified above.
- Murraysmith's support services during construction will be performed up to the extent of the fee estimate for the Construction Management Assistance task, unless otherwise approved in advance by the City through a budget amendment or authorization to invoice against the Unanticipated Task Reserve budget.
- For the purpose of developing this scope of work and associated fee estimate, two (2) clarifications and one (1) design change is anticipated.
- Geotechnical monitoring and compaction testing services during construction will be provided by a firm retained by the City.

Task 7 – Survey Services (DHA)

Objective:

This task will provide surveying and base mapping services prepared by a licensed professional surveyor, which will be used to produce the design plans for both the Phase 8 and Phase 9 projects. Surveying will be conducted by Murraysmith's subconsultant Duane Hartman & Associates, Inc. (DHA). Murraysmith will coordinate the extent of the survey and review and provide comments on the base mapping to the surveyor.

City Involvement:

- City crews to locate and surface mark all water service connections and sewer laterals in advance of field surveys
- Review electronic copy of base map and provide written comments
- Coordinate right-of-entry for surveying on private property

Activities:

7.1 Control

Horizontal control (NAD 83/91) and vertical control (NAVD 88) shall be established from the nearest approved City control monument for each of the various project sites. Control monument selection and survey methodology to be used shall be coordinated with and approved by the City prior to beginning the control survey. All survey control work shall be recorded in a field book.

7.2 Utility Locates

Order and perform design locates (surface markings) of all known underground utilities and coordinate with City crews to physically locate all water service and sewer connections in the field, and incorporate those locations into the base maps. All other underground utility lines and services to be approximated based on painted surface markings and/or existing record as-built drawings obtained.

7.3 Survey Scope

Show all known utilities including individual service lines, water meters, curb stops, water and gas valves, manholes, catch basins, power poles, buried power lines, etc. Survey the painted utility locate marks and coordinate the survey with utility locate personnel. Provide invert elevations of pipes, swales, ditches, or other conveyances for surface runoff, and lid and invert elevations for catch basins and manholes. Show right-of-way, centerline, property boundaries, and easements on plans. Locate and map all private structures within City right-of-way and easements. Show property lines and field check street addresses. Survey at Site 2 will include survey of flagged wetland boundaries and ordinary high water mark of the stream. Existing City sewer easement documentation will be reviewed and verified to confirm easement locations.

7.4 Base Mapping

The preliminary survey base map will be submitted electronically for review in PDF format. Base mapping will be provided at a scale of 1 inch = 20 feet and topographic contours at 2-foot intervals. Provide full-size hard copies of the final survey control drawing for project use.

7.5 Easement Acquisition Support (Limited)

This task will be on an as-needed basis and will include a boundary survey, sewer easement generation and sewer easement staking. This subtask will be authorized by the City prior to use should the City determine it appropriate.

Work will include researching platted and recorded surveys in Snohomish County Assessor's office. Field surveyors will locate controlling monuments to generate property boundaries for up to two (2) parcels. Existing site features and sanitary sewer manholes will be located and shown on the Record of Survey. Sewer easements will be created as instructed for width over the affected parcels. The easements will be shown on the Record of survey for each of the parcels. Easement will be staked in the field as specified in width and length.

Task Deliverables

- Base mapping at scale of 1 inch =20 feet and topographic contours at 2-foot intervals
- Copies of field notes, field book with survey control data, computer listings, and computer readable files of the survey data points
- Survey control drawing that is stamped and signed by a professional land surveyor
- Digital AutoCAD files containing boundary survey, easements, and associated sanitary sewer and property information.

Assumptions

- Topographic survey will be prepared for all sites.
- Right-of-way limits will be shown using available GIS and AutoCAD information.
- Surveyor will provide private utility locator to perform locating services.
- Surveyor of flagged wetland boundary and ordinary high water mark at Site 2.
- Field stake and prepare up to two (2) easement documents. Each easement document will be two pages consisting of a map exhibit, and a legal description page containing square footage and acreage, signed and sealed by professional land surveyor.
- Surveys will be recorded with the Snohomish County Assessor's office and PDF copies will be sent to the City.

Task 8 – Geotechnical Engineering Services (HWA)

Objective:

Murraysmith’s geotechnical engineering subconsultant, HWA GeoSciences, Inc. (HWA) will conduct a geotechnical investigation including field investigations (borings), laboratory testing, technical evaluation, and design recommendations for both the Phase 8 and Phase 9 projects.

City Involvement:

- City crews to locate and surface mark all water service connections and sewer laterals in advance of borings
- Provide right-of-way use permit and City owned utility locates for exploration program.
- Review proposed boring locations and make site visit to confirm proposed exploration program.
- Provide available existing geotechnical investigation documents from past projects within the project vicinity.
- Review and provide comments on the Draft Exploration Plan.
- Review and provide comments on the Draft Geotechnical Engineering Report.

Activities:

8.1 Review Available Geotechnical Information

Review available geotechnical information from and in the vicinity of the project site to get a better idea of the general geology of the site and surrounding area. This includes review of geologic maps, HWA’s library of geotechnical information in the area, and data from online databases.

8.2 Obtain City Street Use Permit

Traffic control plans will be generated for the proposed drilling for the sites that require drilling within the roadway. It is assumed drilling at 5 locations (Sites 3, 5, 6, 7, and 8) will be performed within the roadway. A WSDOT standard traffic control plans, requiring lane closures with flaggers, are anticipated to be adequate for this project. All required rights of entry and street use permits will be provided by the City at no cost.

8.3 Coordinate with the of City for Work Within Private Property

HWA will work with Murraysmith and the City for permission to drill within private properties for sites where sewer lines run through private properties.

8.4 Plan and Coordinate Field Exploration Program

HWA will plan and coordinate the geotechnical field exploration program for this project. Following the City's *Geotechnical Engineering requirements for Utility Project Design*, HWA proposes to drill at least 11 boreholes at least 5 feet deeper than the proposed excavations. Borings will be extended deeper (to at least twice the excavation depth) if the conditions encountered indicate that dewatering with wells may be required. For estimating purposes, it is assumed one (1) site may need dewatering with wells. HWA will coordinate with a flagging subcontractor to complete this phase of work where necessary. The exploration plan will be submitted to the City for review and approval prior to the start of field work.

8.5 Complete Utility Locates

HWA will notify the one-call utility and engage a private locating service to have underground utilities located in the vicinity of the proposed borings.

8.6 Conduct Geotechnical Borings

A truck-mounted drill rig equipped with hollow-stem auger will be used to drill the geotechnical borings. This will include one (1) boring each at Sites 1 through 6 and two (2) at Site 7 and three (3) borings at Site 8 for a total of 11 borings. Standard Penetration Test (SPT) samples will be taken at 2-1/2 to 5-foot intervals throughout each boring. A groundwater monitoring well will be installed in selected borings near wetlands (Site 2), near Puget Sound (Site 4) and creek (Sites 7 and 8), for a total of four (4) so that ground water levels can be monitored. All borings will be monitored and logged under full-time observation of an HWA representative. The boring will be drilled by a licensed geotechnical/well driller under subcontract to HWA.

8.7 Generate Boring Logs and Assign Laboratory Testing

Samples retrieved from explorations will be sealed in plastic bags and taken to HWA's Bothell, Washington laboratory for further examination and testing. Selected samples will be tested to determine relevant engineering and index properties. Soil and laboratory test information will be presented in summary boring logs that will be generated upon completion of the exploration program. HWA will keep all soil samples collected during the course of these investigations until 30 days after issuance of the final report. Prior to disposal, HWA will inform the client and the client may direct HWA to store the samples, to dispose of the samples, or to deliver the samples to the client. If requested, HWA will store the samples for the owner at a rate of \$1.00/sample/month (\$25.00/month minimum charge). HWA can deliver the samples to the owner for a maximum charge of \$100. HWA will notify the client of the monthly rate for storage prior to disposal or in-house storage.

8.8 Obtain Groundwater Information from Monitoring Well

HWA will take water levels readings following the drilling to record the ground water levels in the wells. Typically, the groundwater level readings will be retrieved for the draft report and will be updated for the final report.

8.9 Dewatering Evaluation

If groundwater is encountered, a hydraulic conductivity analysis will be performed. HWA will evaluate the data derived from the field investigation and ground water monitoring program to develop recommendations for construction dewatering. Hydraulic conductivity will be estimated using grain size distribution. Field measurement of hydraulic conductivity/flow rate is not included in this scope of work.

8.10 Temporary Shoring Pressure Diagrams

HWA will recommend lateral earth pressures for shoring design where open excavations are required to complete the proposed main replacements.

8.11 Draft and Final Geotechnical Report

HWA will prepare draft and final geotechnical reports presenting the results of their studies and design recommendations for geotechnical engineering related components of the project. The reports will include exploration logs, site and exploration plan, laboratory test results, groundwater level readings; analytical output and design charts as appropriate, and design recommendations relative to excavation and earthwork. The report will be finalized after comments from the City is received. The groundwater levels will be updated for the final report.

8.12 Geotechnical Support and Coordination of Plans and Specifications

HWA will collaborate with Murraysmith and the City to verify that the geotechnical engineering requirements are properly incorporated into the plans and specifications.

8.13 Project and Contract Management

HWA will prepare monthly invoices, and progress reports if required. Project management for the geotechnical engineering subtasks will be provided under this task, as well as coordination with and management of all of HWA's subcontractors.

Task Deliverables

1. Exploration Plan. PDF, via email
2. Draft and Final Geotechnical Engineering report. PDF, via email

Assumptions

- Field investigation services will be scheduled to allow City to provide adequate notification to public
- Up to eleven (11) exploration borings are anticipated to depths ranging from 15 to 30 feet below grade.
- Four (4) groundwater monitoring wells will be installed in select borings at Sites 2,4,7, and 8.
- If groundwater is encountered, hydraulic conductivity will be estimated using the grain size. The proposed project fees do not include field measurement of hydraulic conductivity/flow rate.
- WSDOT standard traffic control plans, requiring lane closures with flaggers, will be sufficient for this project.
- Access to the site and all required rights of entry and street use permits will be provide by the City at no cost to HWA.
- HWA will coordinate with a flagging subcontractor as necessary to complete subsurface exploration work.
- Soil samples collected will be disposed of 30 days following the issuance of the final geotechnical report.
- All geotechnical borings drilled through existing pavement will be patched with rapid set concrete

Task 9 – Environmental Services (Confluence)

Objective:

Confluence Environmental Company (Confluence) will provide environmental support necessary to investigation and determine the presence or absence of wetlands and streams, delineate wetlands, and prepare a Critical Areas Report.

City Involvement:

- Obtain right-of-entry to properties in the project area for critical areas evaluation.
- Provide recent Critical Areas Reports completed in the project vicinity.
- Review and provide comments on the Draft Critical Areas Report.

Activities:

9.1 Project Management

This task includes project management, coordination, and discussion with Murraysmith and the City as necessary.

9.2 Critical Areas Desktop Review and Site Investigation

Confluence will conduct a desktop review of existing available information on potential critical areas at the proposed site (Site 2). Confluence will access the City GIS mapping information and other sources such as U.S. Fish and Wildlife Service National Wetlands Inventory, WDFW Priority Habitat and Species, WDFW Salmonscape. Any recent critical areas reports or maps provided by the City will also be reviewed.

Confluence will conduct a site visit to assess, delineate, and characterize any wetlands and streams along the proposed alignment, specifically at Site 2. Work will determine if off-site wetlands or streams are present whose buffers could encroach onto the areas where work is proposed.

9.2.1 Wetlands

Confluence will delineate wetland boundaries using the Routine Determinations method described by the U.S. Army Corps of Engineers Wetland Determination Manual (Corps 1987) and the local Regional Supplement (Corps 2010) to comply with city and federal regulations. The wetland boundary will be flagged and recorded using a differential Global Positioning System (GPS) (e.g., Trimble Geo XT). If visual indicators of wetland vegetation or standing water are observed off the alignment, Confluence will conduct a reconnaissance of the wetlands and determine their approximate location.

Confluence will document the presence or absence of wetlands with field data forms. It is assumed that detailed survey of wetland boundaries will be completed by others based on established flagging.

9.2.2 Streams

Assessment of any streams present will be according to the City and Washington Administrative Code. Delineation of the ordinary high water mark (OHWM) will follow the methods described in Determining the Ordinary High Water Mark for Shoreline Management Act Compliance in Washington State (Anderson et al. 2016). The OHWM will be flagged and location of the flags recorded using a differential GPS.

The presence or absence of OHWM indicators will be documented with field notes.

9.3 Critical Areas Report

Following completion of Task 9.2, a Critical Areas Report following the guidelines provided by the City will be prepared. Confluence will provide one (1) electronic copy of the draft report review. Review comments will be incorporated into a final report. An electronic copy of the final report will be provided. A shapefile of the location of critical areas and their buffers will be provided.

The Critical Areas Report will include a figure showing the location of critical areas (i.e., wetlands and/or stream) determined to be present during Task 9.2. The wetland section will include the delineated wetland edge and their buffers according to the City. If wetlands are present, the report will include the wetland rating determination using the 2014 Wetland Rating System (Hruby 2014), as required by the City.

9.4 Optional Support

This task provides up to 10 hours of additional environmental and permitting support. This task will be authorized by the City prior to use should the City determine it appropriate.

Task Deliverables

1. Draft and Final Critical Areas Report. PDF, via email

Assumptions

- GPS data collected will be provided to the surveyor so that Confluence will not need to be on-site during the survey.
- An electronic file of the recorded flagging locations in a georeferenced shapefile format will be provided to Confluence by the surveyor and Confluence will not have to rectify data or export data to a shapefile format.
- The site is not overgrown by dense vegetation such that navigating the site is difficult and time consuming.
- Wetlands may be present on the site, but the site is not encumbered by a wetland mosaic. A wetland mosaic is an area with a concentration of multiple small wetlands in which each patch of wetland is less than 1 acre; on average; patches are less than 100 feet from each other; and areas delineated as vegetated wetland are more than 50% of the total area of the entire mosaic, including uplands and open water.
- Site 2 is the only location being addressed in the Critical Areas Report.
- Only one (1) round of revisions is required prior to finalization of the report.

Task 10 – Potholing Services (APS, Limited)

Objective:

Under this task, potholing services will be performed by Murraysmith’s subconsultant Applied Professional Services (APS) on an as-needed basis.

City Involvement:

- Provide right-of-way use permit for potholing services.
- Coordinate right-of-entry for potholing on private property.
- Review proposed pothole locations and confirm proposed program.

Activities:

10.1 Potholes

Services under this task will include conducting field investigations utilizing air vacuum excavation potholes, defining existing utility locations and sizes, and documenting findings in a data sheet. APS will provide the appropriate traffic control measures. Murraysmith will coordinate the extent of the potholing and will review and provide comment on field notes/data sheets. This task provides up to \$20,000 for potholing support. This task will be authorized by the City prior to use should the City determine it appropriate.

Task Deliverables

1. PDF copies of field notes and data sheets

Assumptions

- No temporary or permanent easements will be required.
- Potholing services will be scheduled to allow City to provide adequate notification to public.
- APS will conduct potholing work up to \$20,000 to verify potential utility conflicts.
- Test holes will be backfilled with 5/8-inch select, sand or pea gravel and temporary pavement EZ-street patch cap as approved by the City.
- APS will prepare and submit to the City traffic control plans and permit applications needed for all lane closures or detours.

Task 11 – Unanticipated Task Reserve (As Needed)

A reserve budget amount has been included in the fee estimate for work under this task, which may include additional unanticipated work not specifically identified in the scope of work tasks defined above. Such work items will be undertaken only after written authorization from the City.

Project Schedule

Murraysmith shall begin work immediately upon receipt of Notice to Proceed from the City and proceed according to the preliminary estimated schedule presented below, which reflects the City's desire to complete all design and construction work by the end of 2021. Factors beyond Murraysmith's control may result in the schedule being extended.

Notice to Proceed	March 2020
Preliminary Design Submittal	July 2020
60% Contract Document Submittal	September 2020
90% Contract Document Submittal	November 2020
Final Contract Document Submittal	December 2020
Bidding and Award	February 2021
Construction	March-September 2021

2021 (PHASE 8) SEWERLINE REPLACEMENT PROJECT
CITY OF EDMONDS
PROPOSED FEE ESTIMATE

	LABOR CLASSIFICATION (HOURS)										Subconsultants				Subconsultant Total with Markup	Expenses	CADD Units \$18/hr	Total
	Principal Engineer VI	Principal Engineer IV	Professional Engineer VI	Professional Engineer V	Engineering Designer II	Technician IV	Admin. III	Admin. I	Hours	Labor	DHA	HWA	Confluence	APS				
	\$280 Perry	\$260 Kreshel	\$191 Hiatt	\$181 Tannahill	\$155 Taxdahl	\$165 Marx	\$120 DeHaven	\$99 Wall										
Task 1 - Project Management																		
Task 1.1 - Invoices/Status Reports		4		12			14		30	\$ 5,014					\$ -	\$ 10	\$ -	\$ 5,024
Task 1.2 - Coordination with the Owner	2	6		12				6	26	\$ 5,008					\$ -	\$ 10	\$ -	\$ 5,018
Task 1.3 - Kick-off and Project Coordination Meetings		12		20	16	2		2	52	\$ 9,992					\$ -	\$ 100	\$ -	\$ 10,092
Task 1.4 - Quality Assurance/Quality Control (QA/QC)	8		6						14	\$ 3,471					\$ -	\$ 30	\$ 36	\$ 3,537
Task 1 Subtotal	10	22	6	44	16	2	14	8	122	\$ 23,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150	\$ 36	\$ 23,671
Task 2 - Data Collection and Utility Coordination																		
Task 2.1 - Data Collection and Review				16	24			1	41	\$ 6,883					\$ -	\$ 10	\$ -	\$ 6,893
Task 2.2 - Utility Coordination and Analysis				12	32	4			48	\$ 7,987					\$ -	\$ -	\$ 72	\$ 8,059
Task 2 Subtotal	0	0	0	28	56	4	0	1	89	\$ 14,870	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10	\$ 72	\$ 14,952
Task 3 - Preliminary Design																		
Task 3.1 - Plans (30% Design Completion Level)		12		52	96	100		2	262	\$ 45,213					\$ -	\$ 50	\$ 1,800	\$ 47,063
Task 3.2 - Engineer's Opinion of Probable Construction Cost		4		8	12				24	\$ 4,457					\$ -	\$ -	\$ -	\$ 4,457
Task 3.3 - Permitting Support (Limited)				4	6	4			14	\$ 2,372					\$ -	\$ -	\$ 72	\$ 2,444
Task 3 Subtotal	0	16	0	64	114	104	0	2	300	\$ 52,041	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50	\$ 1,872	\$ 53,963
Task 4 - Final Design																		
Task 4.1 - Plans, Specifications, and Estimate (60% and 90% Design Completion Level)		16		72	110	102		8	308	\$ 53,161					\$ -	\$ 50	\$ 1,836	\$ 55,047
Task 4.2 - Final Bid Ready Plans, Specifications & Estimate		6		24	28	32		4	94	\$ 16,318					\$ -	\$ 50	\$ 576	\$ 16,944
Task 4.3 - Constructability Review	2	4	8	6					20	\$ 4,319					\$ -	\$ 15	\$ -	\$ 4,334
Task 4.4 - Coordination with the City of Lynnwood				6	6				12	\$ 2,066					\$ -	\$ 25	\$ -	\$ 2,091
Task 4 Subtotal	2	26	8	108	144	134	0	12	434	\$ 75,864	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140	\$ 2,412	\$ 78,416
Task 5 - Bidding Assistance (Limited)																		
Task 5.1 - Bidder Inquiries and Addenda		2		4	8	2		2	18	\$ 3,087					\$ -	\$ -	\$ 36	\$ 3,123
Task 5 Subtotal	0	2	0	4	8	2	0	2	18	\$ 3,087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36	\$ 3,123
Task 6 - Engineering Support During Construction (Limited)																		
Task 6.1 - Pre-Construction Conference		2		4	4				10	\$ 1,911					\$ -	\$ 25	\$ -	\$ 1,936
Task 6.2 - Clarifications and Changes				6	8	6			20	\$ 3,399					\$ -	\$ -	\$ 108	\$ 3,507
Task 6.3 - Record Drawings (As-built Drawings)				3	6	10			19	\$ 3,201					\$ -	\$ -	\$ 180	\$ 3,381
Task 6 Subtotal	0	2	0	13	18	16	0	0	49	\$ 8,511	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25	\$ 288	\$ 8,824
Task 7 - Survey Services (DHA)				4	4	8		1	17	\$ 2,832	\$ 59,056				\$ 64,961		\$ 144	\$ 67,937
Task 7 Subtotal	0	0	0	4	4	8	0	1	17	\$ 2,832	\$ 59,056	\$ -	\$ -	\$ -	\$ 64,961	\$ -	\$ 144	\$ 67,937
Task 8 - Geotechnical Engineering Services (HWA)		2		4	6			1	13	\$ 2,330	\$ 50,824				\$ 55,906			\$ 58,236
Task 8 Subtotal	0	2	0	4	6	0	0	1	13	\$ 2,330	\$ -	\$ 50,824	\$ -	\$ -	\$ 55,906	\$ -	\$ -	\$ 58,236
Task 9 - Environmental Services (Confluence)		2		2	4			1	9	\$ 1,641		\$ 16,400			\$ 18,040			\$ 19,681
Task 9 Subtotal	0	2	0	2	4	0	0	1	9	\$ 1,641	\$ -	\$ 16,400	\$ -	\$ -	\$ 18,040	\$ -	\$ -	\$ 19,681
Task 10 - Potholing Services (APS, Limited)				2	4			1	7	\$ 1,108				\$ 20,000	\$ 22,000			\$ 23,108
Task 10 Subtotal	0	0	0	2	4	0	0	1	7	\$ 1,108	\$ -	\$ -	\$ -	\$ 20,000	\$ 22,000	\$ -	\$ -	\$ 23,108
Task 11 - Unanticipated Task Reserve (As Needed)										\$ 20,000								\$ 20,000
Task 11 Subtotal	0	0	0	0	0	0	0	0	0	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
TOTAL - ALL TASKS	12	72	14	273	374	270	14	29	1058	\$ 205,769	\$ 59,056	\$ 50,824	\$ 16,400	\$ 20,000	\$ 160,908	\$ 375	\$ 4,860	\$ 371,912