



CONTRACT AMENDMENT NUMBER 5 TO THE PROFESSIONAL SERVICES AGREEMENT PKC16900000 / Marina Park Dock & Shoreline Renovations

This Contract Amendment Number 5 dated this 11th day of March, 2024, is entered into by and between the City of Kirkland, a municipal corporation, herein called the "City," and Reid Middleton, hereinafter the "Consultant":

WHEREAS, the City entered into a Professional Services Agreement ("Agreement") with the Consultant on December 12, 2022 for professional engineering services on the Marina Park Dock and Shoreline Renovations Project; and

WHEREAS, the City now desires to retain the services of the Consultant to perform additional professional services and/or extend the time for performance; and

WHEREAS, the Consultant is qualified, willing, and able to provide and perform the services, if any, as described in this Contract Amendment Number 5; and

WHEREAS, the services to be performed by the Consultant are temporary in duration.

NOW, THEREFORE, in consideration of the mutual promises and covenants herein contained and of the Professional Services Agreement, and the Request for Additional Funds to be kept, performed, and fulfilled by the respective parties hereto, it is mutually agreed as follows:

I. SERVICES BY CONSULTANT

All services and all duties incidental or necessary thereto, shall be conducted and performed diligently and completely in accordance with professional standards of conduct and performance. The Consultant agrees to accomplish additional services as described in Attachment A, if any, and the time to perform all services is extended to December 31, 2025.

II. COMPENSATION

- A. Compensation for completion of the additional services, if any, shall not exceed \$559,900.00, as described in Attachment B.
- B. The total contract amount, including the Professional Services Agreement for \$177,000.00, Contract Amendment Number 1 for \$0.00, Contract Amendment Number 2 for \$0.00, Contract Amendment Number 3 for \$0.00, Contract Amendment Number 4 for \$0.00, and this Contract Amendment Number 4 for \$599,990.00, shall not exceed \$737,700.00.
- C. The above fees include all labor, materials, and expenses for completion of the work.

III. EXTENT OF AGREEMENT/MODIFICATION

The Professional Services Agreement, together with Contract Amendment Number 1, Contract Amendment Number 2, Contract Amendment Number 3, Contract Amendment Number 4, and this Contract Amendment Number 5, represent the entire and completely integrated Agreement between the parties and supersedes all prior negotiations, representations, or agreements either written or oral. Except as modified herein, all provisions within the Agreement shall remain in full force and effect for the services provided under this Amendment. Additional amendments, modifications, or additions to the Agreement may only be made by written instrument properly signed by both parties.

IN WITNESS WHEREOF, the parties hereto have executed this Contract Amendment Number 5 on the dates written below:

CONSULTANT:


Signature: 

Printed Name: Robert Galteland

Title: President

Date: Mar 6, 2024

CITY OF KIRKLAND:

Signature: 
Julie Underwood (Mar 11, 2024 14:54 PDT)

Printed Name: Julie Underwood
(Type City Staff Name)

Title: Deputy City Manager of Operations

Date: Mar 11, 2024

March 5, 2024
File No. 242022.017

Ms. Aimee Allcock
City of Kirkland
123 5th Avenue
Kirkland, WA 98033

Subject: Agreement for Professional Services
Marina Park Dock & Shoreline Renovations

Dear Ms. Allcock:

Thank you for considering Reid Middleton to provide professional engineering services for design development and bid assistance services for the renovation of the City of Kirkland's Marina Park facility. We look forward to working with you on this project.

A. PROJECT UNDERSTANDING

The City of Kirkland owns and operates the Marina Park facility on Lake Washington, located in downtown Kirkland, Washington. The facility includes a boat ramp and associated timber pier (North Pier), the main marina boat moorage timber pier (South Pier), as well as the park and beach access areas located between the two piers. Nearshore and upland elements include a pavilion, picnic area, associated trash collection area, concrete walkways and ramps, and concrete seating steps.

Reid Middleton reviewed the previous condition assessment results and the pier expansion study and developed concept design documents to renovate the Marina Park facility. As a result of the concept design development and evaluation process, the City would like to repair the existing South Pier and make repairs and improvements to the upland areas.

Based on the concept development and City decisions, Reid Middleton will develop the design documents to renovate the Marina Park facility. Design development work will include the preparation of plans, specifications, and cost estimates for 60%, 90%, and 100%/Final design documents. Design work will include repairs to the South Pier as well as the upland work, including replacing the undermined stairs, extending hardscape areas, reconfiguring the picnic area, ADA beach access revisions, and pavilion stair replacement with an ADA ramp. South Pier repairs will also include additive bid items for utility replacement and pier decking replacement (minor decking repairs will be part of the base bid). Reid Middleton will also provide permit assistance services for the identified repairs and upland work items. Reid Middleton will also prepare the building permit (for pier, stairs, etc.) and the Land Surface Modification permit (LSM) at 90% design.

JA Brennan will provide landscape architectural services under a subconsultant contract with Reid Middleton for upland design landscape elements. The landscape architectural design will focus on modest improvements in the uplands along the shore to be completed at the same time as the marina improvements. The landscape architectural design will include the following upland improvements: planting, an accessible ramp to the beach, paving improvements to improve accessibility, site furnishings, irrigation associated with upland changes, and input to the repair of the failing shoreline wall design led by Reid Middleton. The upland improvements will be part of additive bid items and will not be included in the base bid.

GeoEngineers will provide environmental permitting services under a subconsultant contract with Reid Middleton for the design development. Permit assistance will include a site visit, draft SEPA Checklist, preparation of JARPA and HPA applications including species, habitat, and BMP sections, preparation of material for the Shoreline Substantial Development submittal for the City and WA Department of Ecology, and development of the Biological Evaluation for the project. Mitigation planning efforts and bid process assistance will also be provided.

HWA GeoSciences will provide geotechnical engineering services for the replacement of the seat steps along the north side of the site, the replacement of deteriorated timber piles that support the existing South Pier, and the erosion repair of concrete steps at the picnic area. HWA will also perform three borings (with a sub-consultant driller) to obtain subsurface information for the seat step.

HWA Geoscience will also provide environmental sampling, testing, and reporting for the three proposed geotechnical borings to assess the potential for contamination that may affect the project design.

Harbor Power will provide electrical design services for the electrical items and preliminary sizing/layout for the upland area near the pavilion to be incorporated into the design, replacement of existing electrical service with free-standing pedestal meter & distribution panel, electrical trenching as needed, and rewiring of South Pier dock electrical system. Electrical design will include J-boxes / handholes and conduits, including wiring, electrical design calculations, and cost estimates. Harbor Power will also include the preparation of electrical permit documents for this area. Bid assistance with electrical technical questions will also be provided.

Rolluda will provide architectural design services for the partial removal and replacement of the gutter system at the pavilion structure.

Following design development, bid, and City selection of a responsible bidder, Reid Middleton will prepare an amendment for construction phase assistance services.

B. SCOPE OF SERVICES

The Reid Middleton team will perform the following scope of services for design development and bid:

1. Project kickoff and site visit:
 - a. Reid Middleton kickoff meeting (teleconference call) and design team meetings for the scope of work, task breakdown, and project budget and schedule.
 - b. Reid Middleton site visit to confirm current conditions and confirm project element locations and extents (visual observation).
2. Reid Middleton Design Services – 60, 90, and 100 Percent, Preparation of Construction Documents (Plans and Specifications)
 - a. Reid Middleton will perform design and prepare interim review documents at 60% and 90% for City's review. These documents will include the following:
 - 1) Design and drawings for the temporary erosion control and demolition of structures at the site including the damaged South pier structure and piling, South Pier utilities and decking, failing seat steps, picnic area erosion repair, stairs near pavilion, and other upland elements to be removed (kiosk roof, etc.). It will also include trenching and demolition for upland electrical.
 - 2) Design and drawings for pier repair, piles, utilities (additive), pier decking (additive), new seat steps with sheet pile wall foundation, erosion repairs and concrete infill at picnic area, upland concrete slab and anchor design, kiosk roof removal/renovation, and ADA ramp to beach the existing bulkhead. It will also include site restoration for new upland electrical elements.
 - 3) Development of bid ready technical specifications for the pier repairs, utilities (additive), decking (additive), pilings, and upland asphalt and concrete work.
 - 4) Design of the anchorage system seat stairs (sheet piles)
 - 5) Design of the repairs/anchorage to support the concrete structures at the picnic area.
 - 6) Design of repairs to potable water and fire systems on the South Pier (additive bid).

- 7) The drawings will be prepared in AutoCAD and will be on 22" x 34" paper. The drawings will be prepared in City of Kirkland format (if available) or Reid Middleton standard format.
- 8) Technical Specifications will be prepared in WSDOT format.
- 9) City shall provide the WSDOT Division 1 specifications to Reid Middleton in Word format. We will review these and suggest edits as appropriate for the project and coordination with the technical specifications.
- 10) An opinion of probable construction costs. Separate base bid cost estimates will be prepared for the structural pier repairs and the upland/landside work.
- 11) Review meetings and responses to City comments for each submittal, including 2 reviews at 90%.

The deliverables for 60% will include a PDF of the drawings, outline specifications, opinion of probable construction costs, permitting information (SEPA checklist, Shoreline permit, HPA, JARPA, EO21-02), geotechnical report (draft), draft surface water TIR, and draft bid item list/unit.

The deliverables for 90% will include a PDF of the drawings, technical specifications, opinion of probable construction costs, permitting info (including LSM, Demo permit, Building permit (pier, sheet piling, stairs, & uplands), and Electrical permits), bid item list, and final surface water TIR.

- b. Following review and comments by the City on the 90 percent design submittal, prepare final documents suitable for bidding the project.

This task will be completed by delivery of the final documents suitable for bidding the project including the specifications, drawings, and calculations. The specifications, drawings, and calculations will be sealed by a licensed professional engineer. A PDF format and a hard copy of the full-size drawings and specifications will be provided. The deliverables at 100% will also include a final opinion of probable construction costs, and a final bid item list.

3. JA Brennan Design Services – 60, 90, and 100 Percent, Preparation of Plans and Specifications

JA Brennan will perform design and prepare interim review documents for City's review. These documents will include the following:

- a. Site inventory and analysis including limited code review and an initial kickoff meeting and site visit.
 - b. Design and drawings for upland hardscape plan, planting plan, irrigation restoration, and lawn restoration (from geotechnical borings) associated with upland improvements. A technical memo for basis of design will also be included.
 - c. Development of technical specifications at 90% submittal for the upland project work.
 - d. An opinion of probable construction costs for upland work elements.
 - e. Review and response to City comments for each submittal.
 - f. Deliverables will match Reid Middleton format.
4. GeoEngineers Environmental and Permitting Assistance Services

GeoEngineers will perform environmental and permitting assistance services and prepare documents for City's review. These documents will include the following:

- a. Permit assistance with federal, state, & local permit documentation. This will include a single site visit, SEPA Checklist draft & final, production of JARPA and HPA information including threatened and endangered species as well as habitat, development of Best Management Practices (BMPs). Reid Middleton will submit JARPA to USACE. City to submit HPA, SEPA, and local City permits. One internal review cycle and responding to one round of agency comments is included.
- b. Review and develop material for the Shoreline Substantial Development submittal for the City and WA State Department of Ecology. One internal review cycle (submit, receive comments, update & resubmit) is included.
- c. Preparation of a Biological Evaluation for submittal with permit applications. It is assumed that nearshore impacts are minimized where possible. Draft BE and EFH Analysis will be submitted for review prior to finalizing for submittal to Corps. One review cycle is included to address comments from federal agencies.
- d. Mitigation planning coordination required for permitting process and development of a standalone mitigation plan if necessary.

5. HWA GeoSciences Design Services

HWA GeoSciences will perform design and prepare interim review documents for City's review. These documents will include the following:

- a. Geotechnical engineering services for replacement of the seat steps along the north side of the site. HWA will also perform three borings (two in the seat step area and one in the ADA ramp area, with a sub-consultant driller,) to obtain subsurface information for the seat steps.
- b. Geotechnical engineering services for replacement of deteriorated timber piles that support the existing South Pier. This will include development of requirements for a test pile program in lieu of in-water borings as well as recommendation on pile replacement size, length, wall thickness, and additional pile lengths anticipated.
- c. Development of draft and final Geotechnical Report.
- d. Review and response to City comments for Geotechnical Report.

6. HWA GeoSciences Environmental Services

HWA GeoSciences will perform environmental services including the following:

- a. During drilling of the geotechnical borings, HWA will field screen soils for organic vapors by headspace analysis using a photoionization detector (PID) a water sheen test, and visual and olfactory methods (i.e., stained or discolored soils and/or adverse odors). Environmental soil samples and reconnaissance groundwater samples, collected from temporary wells installed during drilling, will be collected from each geotechnical boring for chemical laboratory analysis.
- b. All soil and groundwater samples collected will be submitted to an Ecology-accredited, third-party analytical laboratory. HWA will select up to two soil samples from each boring, with the depth the sample was collected noted in the sample identification, and one groundwater sample (if encountered) per boring (maximum of 6 soil samples and 3 groundwater samples) for chemical laboratory analysis
- c. All soil cuttings, purged groundwater (if encountered), and decontamination water from the geotechnical borings will be placed in steel 55-gallon drums. These IDW drums will be stored at the Kirkland Marina Park property, or at an adjacent location as provided by the City, pending chemical analysis. Once laboratory results for the environmental samples are obtained, HWA will

coordinate the disposal of drummed IDW utilizing a waste disposal subcontractor.

- d. HWA will prepare an environmental sampling letter report that will describe the environmental work performed, present the results of the environmental sampling, and provide recommendations.

7. Harbor Power Design Services – 60, 90, and 100 Percent, Preparation of Plans and Specifications

Harbor Power will perform a site visit and will also design and prepare interim review documents for City's review. These documents will include the following:

a. Design and drawings for:

1. Upland (west): Add a Christmas tree outlet – weatherproof GFCI - in the raised planter 30-feet north of the pavilion, including a plastic underground 11"x17" handhole, near the Christmas tree base, with a 2" pipe sleeve that extends from the handhole to the planter outlet for seasonally routing tree light extension cord below grade.
2. Upland (east): Replace the existing electrical service with a free-standing service pedestal with meter and distribution panel. Perform load calculations for the dock electrical to verify the required service size. Replace lighting fixtures on existing poles at the pier.
 - a. Preliminary calculations for (20) 30A shore power outlets require 189-amps of power at 240-volts. On a 200-amp service, this will leave only 11-amps for lighting and other loads. Additional loads will likely increase the service to 320-amps for the dock. Include 2 spares in distribution panel for Parks.
 - b. If a larger service is required, we may need to trench from the service pedestal location to the PSE transformer. The PSE transformer is thought to be in-vault below grade along Kirkland Avenue approximately 170-feet east of the park restroom building
3. Dock: Rewire the overwater dock electrical system including shore power pedestals, vendor power, and sightseeing vessel power. This will include replacing the (10) existing Eaton shore power pedestals. Light poles to remain but be rewired. The following electrical connections are currently on the dock; please advise if additional connections exist or are desired:

- a. Each pedestal has two shore power outlets for a total of (20) shore power outlets on the dock. Pedestals to be 30-Amp with vendor pedestals 20-Amp. Use same pedestal model for replacements.
 - b. Light poles with LED lamps – total of (11)
 - c. Shore power for sightseeing vessel. 2-socket 100-Amp socket plugs.
 - d. Vendor power – supplied by power pedestals along the first dock section. Pedestals to have individual breakers.
 - b. Development of technical specifications at 90% submittal for the electrical components.
 - c. Design calculations at 60% (as needed) and 90% submittal (for building permit).
 - d. An opinion of probable construction costs for electrical work elements.
 - e. Review and response to City comments for each submittal.
 - f. Preparation of electrical permit application materials.
 - g. Deliverables will match Reid Middleton format.
8. Rolluda Design Services – 60, 90, and 100 Percent, Preparation of Plans and Specifications

Rolluda will perform a site visit to get necessary measurements and information for the partial demolition of the existing pavilion gutter system and the new replacement gutter design, including option evaluation. Rolluda will design and prepare documents for the pavilion gutter demolition and replacement. These documents will include the following: gutter demolition and replacement drawings, technical specifications for demolition and new gutter system, and a cost estimate.

Rolluda will also provide review and response to City comments for each submittal as well as architectural support services for the building permit and bid phases of the project.

9. Reid Middleton and JA Brennan Permit Assistance Services
- a. Reid Middleton will provide technical assistance to the City for the permitting process for the project. This includes a technical project description for the JARPA and HPA.
 - b. This scope is based on Reid Middleton preparing the overall JARPA form and the HPA application form and the City leading the federal and state permit

processes. This scope is also based on Reid Middleton working with GeoEngineers to prepare or assist in preparation of any required natural resource documents such as a Biological Evaluation. Reid Middleton will submit JARPA to USACE. City to submit HPA, SEPA, and local City permits.

- c. Reid Middleton will prepare Corps of Engineers JARPA format drawings in 8 1/2" x 11" format showing existing and proposed elements.
- d. Reid Middleton will attend a preapplication meeting onsite.
- e. Reid Middleton will answer technical questions during the permit process. This assumes the City will track the various permits and provide any technical questions to Reid Middleton for review and response.
- f. JA Brennan will review and respond to any landscape related comments.

10. Building Permit Services

Reid Middleton will provide building permit services including the following:

- a. It is assumed that the 90% plans which will be sealed by a licensed professional engineer will be utilized for the Building Permit application. Marina pavilion gutters will be included in the landside building permit. It is assumed the City will submit and track the permit. This scope does not include a separate submittal of drawings between the 90% and 100% for a Building Permit submittal.
- b. Answer technical questions during the permit review period. This scope is based on sixteen hours of effort to answer questions during the review process.
- c. Prepare one revised set of drawings based on comments from the building department review process for resubmission.

11. Bidding Services

Bidding services will include the following:

- a. Reid Middleton and GeoEngineers will attend the pre-bid meeting.
- b. Reid Middleton, GeoEngineers, and JA Brennan will answer technical questions during the bid period.

- c. Reid Middleton will prepare addenda if required.
- d. Reid Middleton will evaluate bids and provide recommendation.
- e. City shall be responsible for issuing and distributing the bid documents and conducting the bid opening meeting.

12. Exclusions and Assumptions

- a. It is assumed that any remaining budget for prime or sub-consultants from the previous concept design phase will be transferred to this contract in addition to the fees shown in the fee proposal.
- b. Topographic and bathymetric surveys. It is assumed that the bathymetry from the previous project can be used for the design.
- c. Habitat surveys other than extent necessary for preparation of Biological Evaluation.
- d. Condition assessment below water (piles) and of pier superstructure not visible from top surface.
- e. Sanitary sewer design or replacement other than minor repair work.
- f. Public and community outreach regarding design. This can be provided as additional services if requested.
- g. The existing kiosk will be renovated to remove the roof. A completely new kiosk is not assumed.
- h. Wetland mitigation or shoreline buffer mitigation is not included.
- i. Public meetings or hearings for Shorelines and/or SEPA processes are not included.
- j. City will be responsible for all permit fees.
- k. HAZMAT abatement and compliance oversight services during construction will be provided as additional services as needed.
- l. Scope includes modest effort for mitigation planning. Additional scope may be necessary if project impacts are significant.

- m. Construction phase engineering support services. These will be provided as additional services as part of the future amendment after design and bid.

C. PERIOD OF PERFORMANCE

Reid Middleton will begin services upon receipt of a signed agreement and will make every reasonable effort to complete the services in a timely manner considering the needs of the project. The project schedule will be developed and updated.

D. CLIENT'S RESPONSIBILITIES

The City shall provide available pertinent data, documents, and other information (as-built drawings, reports, engineering calculations, survey data, etc.) to Reid Middleton as necessary to complete the services outlined in Section B above.

E. COMPENSATION

1. For services described in Section B, Items 1 through 11, Reid Middleton shall be paid on a time and expense, not-to-exceed basis of \$559,900.

F. REID MIDDLETON STAFF

Blaine McRae will be the project manager primarily responsible for this job. However, other individuals at Reid Middleton will work on aspects of your project as required.

We appreciate the opportunity to submit this proposed scope of services. If you have any questions or comments, please call Blaine McRae or me.

Sincerely,

Reid Middleton, Inc.



Willy Ahn, Ph.D., P.E.
Director, Waterfront

ACCEPTED:

City of Kirkland

By _____

Title _____

Date _____

Attachment B - Fee

Reid Middleton			Estimate of Professional Services										BY: BGM		Chk'd by: KEL 3/5/24	
728 134th Street SW, Suite 200 Everett, WA 98204 (425) 741-3800 (425) 741-3900 FAX			PROJECT: Marina Park Renovation Design CLIENT: City of Kirkland PROJ. NO: 242022 FILE: H:\24WF\2022\017 Kirkland Marina Park Dock Shoreline Reno\Contract\Amend 5\20240123 Kirkland Marina Park Fee Rev 3.xls		DATE: 3/4/2024											
		Principal	Principal Engineer	Senior Engineer	Senior Designer	Design Technician	Technical Writer II	Project Administrator	Total Labor hours	Total Labor Earnings	Computer	Travel & Misc	Subs	Total Reimb	Labor & Reimb	
Hourly Rate:		\$285	\$250	\$196	\$190	\$158	\$152	\$134			hrs	\$12	cost	cost	10%	
Task No.	Description	WF-P	WF-PE	WF-SE	WF-SD	WF-DT	EW	KL				\$				
001	Kickoff & Team Meetings, Site Visit															
00101	Kickoff meeting (teleconference call)	1		1	2			1	5	995	0			0	995	
00102	Site visit for topside assessment & verification			8	8				16	3,088	0	140		154	3,242	
00103	Design team meetings, discussions	1		4	8	1	1		15	2,899	0			0	2,899	
00104	Coordination meetings with the City staff	2		4	6				12	2,494	0			0	2,494	
00105	PM/PC, incl. project setup	1			3			2	6	1,123	0			0	1,123	
Subtotal Task 001		5	0	17	27	1	1	3	54	10,599	0	0	140	0	154	10,753
002	Reid Middleton 60, 90, 100% Design															
00201	60% Repair and Replacement Drawings	4		12	36	40			92	16,652	0			0	16,652	
00202	60% Technical Specifications	2		16	28		12		58	10,850	0			0	10,850	
00203	60% Structural Design (seat stairs, picnic area, piles, concrete slab anchors, kiosk, gutter, etc.)	6	6	40	24		8		84	16,826	0			0	16,826	
00204	Draft Surface Water TIR		1	8	8				17	3,338				0	3,338	
00205	60% Opinion of Probable Construction Costs & Bid Item List	1			12				13	2,565	0			0	2,565	
00206	Review Meeting w/ City & Respond to Comments	2		10	8				20	4,050	0			0	4,050	
00207	90% Repair and Replacement Drawings (pier & upland)	8		32	52	48			140	26,016	0			0	26,016	
00208	90% Technical Specifications	2		20	36		16		74	13,762	0			0	13,762	
00209	90% Structural Design (seat stairs, picnic area, piles, concrete slab anchors, kiosk, gutter, etc.)	6	6	40	24		8		84	16,826	0			0	16,826	
00210	Land Surface Modification Permit Preparation	1		16	16	16			49	8,989				0	8,989	
00211	Final Surface Water TIR		1	8	8				17	3,338				0	3,338	
00212	90% Opinion of Probable Construction Costs & Bid Item List	1			12				13	2,565	0			0	2,565	
00213	(2) Review Meetings w/ City & Respond to Comments	4		20	16	16			56	10,628	0			0	10,628	
00214	100% Repair and Replacement Drawings	2		16	36	40			94	16,866	0			0	16,866	
00215	100% Technical Specifications	1		16	28		12		57	10,565	0			0	10,565	
00216	100% Structural Design (seat stairs, picnic area, piles, concrete slab anchors, kiosk, gutter, etc.)	6	4	24	16		4		54	11,062	0			0	11,062	
00217	100% Opinion of Probable Construction Costs & Bid Item List	1			12				13	2,565	0			0	2,565	
00218	Review Meeting w/ City & Respond to Comments	2		8	8				18	3,658	0			0	3,658	
00219	PM/PC & QA/QC	16			16			8	40	8,672	0			0	8,672	
Subtotal Task 002		65	18	286	396	160	60	8	993	189,793	0	0	0	0	189,793	
003	JA Brennan 60, 90, 100% Design															
00301	Landscape architectural design - by JA Brennan								0	0	0		68,812	75,693	75,693	
Subtotal Task 003		0	0	0	0	0	0	0	0	0	0	0	68,812	75,693	75,693	
004	GeoEngineers Environmental & Permitting Assistance														0	
00401	Environmental consultation - by GeoEngineers								0	0	0		45,900	50,490	50,490	
Subtotal Task 004		0	0	0	0	0	0	0	0	0	0	0	45,900	50,490	50,490	
005	HWA GeoSciences Geotechnical Engineering															
00501	Geotechnical Engineering - by HWA GeoSciences								0	0	0		45,473	50,020	50,020	
Subtotal Task 005		0	0	0	0	0	0	0	0	0	0	0	45,473	50,020	50,020	
006	HWA GeoSciences Environmental Services								0	0	0					
00601	Environmental Sampling, Testing/Analysis, & Reporting								0	0	0		30,594	33,653	33,653	
Subtotal Task 006		0	0	0	0	0	0	0	0	0	0	0	30,594	33,653	33,653	



728 134th Street SW, Suite 200
Everett, WA 98204
(425) 741-3800
(425) 741-3900 FAX

Estimate of Professional Services

PROJECT: Marina Park Renovation Design
CLIENT: City of Kirkland
PROJ. NO: 242022
FILE: H:\24W\2022\017 Kirkland Marina Park Dock Shoreline Reno\Contract\Amend 5\20240123 Kirkland Marina Park Fee Rev 3.xls

BY: BGM
DATE: 3/4/2024

Chk'd by: KEL 3/5/24

		Principal	Principal	Senior	Senior	Design	Technical	Project	Total Labor hours	Total Labor Earnings	Computer		Travel & Misc	Subs	Total Reimb	Labor & Reimb
Hourly Rate:		\$285	\$250	\$196	\$190	\$158	\$152	\$134			hrs	\$12	cost	cost	10%	
Task No.	Description	WF-P	WF-PE	WF-SE	WF-SD	WF-DT	EW	KL					\$			
007	Harbor Power 60, 90, 100% Design															0
00701	Electrical Engineering - by Harbor Power								0	0		0		25,710	28,281	28,281
	Subtotal Task 007	0	0	0	0	0	0	0	0	0	0	0	0	25,710	28,281	28,281
008	Rolluda 60, 90, 100% Design															
00801	Architectural Design for Pavilion Gutter Replacement								0	0		0		24,507	26,958	26,958
	Subtotal Task 008	0	0	0	0	0	0	0	0	0	0	0	0	24,507	26,958	26,958
009	Reid Middleton & JA Brennan Permit Assistance Services															
00901	Technical Assistance and Project Description	2		12	16				30	5,962		0			0	5,962
00902	JARPA / HPA application & coordination w/ GeoEngineers			16	24				40	7,696		0			0	7,696
00903	Prepare JARPA Format Drawings			4	24	24			52	9,136		0		10,010	11,011	20,147
00904	Attend Pre-Application Meeting Onsite				8				8	1,520		0	70		77	1,597
00905	Answer Technical Questions & Coordinate (RM & JA Brennan)			16	16				32	6,176		0		1,265	1,392	7,568
00906	PM/PC & QA/QC	2			8			1	11	2,224		0			0	2,224
	Subtotal Task 009	4	0	48	96	24	0	1	173	32,714	0	0	70	11,275	12,480	45,194
010	Reid Middleton Building Permit Services															
01001	Answer Technical Questions		4	16	24				44	8,696		0			0	8,696
01002	Prepare Revised Drawings for Resubmission	4		16	24	24			68	12,628		0			0	12,628
01003	PM/PC & QA/QC	4		8	8				20	4,228		0			0	4,228
	Subtotal Task 010	8	4	40	56	24	0	0	132	25,552	0	0	0	0	0	25,552
011	Bidding Services															
01101	Attend Pre-Bid Meeting Onsite				8				8	1,520		0	70		77	1,597
01102	Answer Technical Questions During Bid	1	1	12	12				26	5,167		0			0	5,167
01103	JA Brennan - Pre-Bid Mtg. Question Response, Addenda								0	0		0		2,055	2,261	2,261
01104	GeoEngineers - Pre-Bid Mtg. Question Response								0	0		0		3,700	4,070	4,070
01105	Harbor Power - Pre-Bid Mtg. Question Response								0	0		0		1,640	1,804	1,804
01106	Prepare Addenda (2)	1	1	8	8	16	4		38	6,759		0			0	6,759
01107	Evaluate Bids & Provide Recommendations	1			4				5	1,045		0			0	1,045
01108	PM/PC & QA/QC	1			2			1	4	799		0			0	799
	Subtotal Task 011	4	2	20	34	16	4	1	81	15,290	0	0	70	7,395	8,212	23,502
	TOTAL HOURS	86	24	411	609	225	65	13	1,433	273,948	0	0	280	259,666	285,941	559,889
	SubTotal Cost	24,510	6,000	80,556	115,710	35,550	9,880	1,742		273,948						
Percent of Total Hours		6%	2%	29%	42%	16%	5%	1%								
Assumptions		Project Duration 24 Wks Avg Wkly \$23,329														
Hours and rates shown are for estimating purposes only. The actual number of hours charged to the project and personnel used may vary. Hours worked will be billed using the rates, personnel categories, and terms identified in Exhibit A.															Inflation Factor 4%	
															% of Work after July 1 0%	
															Inflation Adj. on Labor and Exp. 0	
															Contingency/Rounding 11	
															TOTAL 559,900	

Reid Middleton, Inc.
Exhibit "A" Schedule of Charges
City of Kirkland
Effective July 1, 2023 through June 30, 2024

I. Personnel	Hourly Rate
Principal	\$ 250.00 - \$ 290.00
Associate Principal/Principal Engineer/Principal Planner/Principal Surveyor.....	\$ 230.00 - \$ 260.00
Associate	\$ 210.00 - \$ 230.00
Senior Engineer/Senior Planner/Senior Surveyor	\$ 190.00 - \$ 210.00
Senior Designer	\$ 180.00 - \$ 190.00
Project Engineer/Project Designer/Project Surveyor/Project Planner	\$ 170.00 - \$ 190.00
Design Engineer/Designer II/Design Technician/Survey Crew Chief/ Technical Writer II/ Graphic Designer II	\$ 150.00 - \$ 170.00
Designer I/Planner/CAD Technician II	\$ 140.00 - \$ 150.00
Project Administrator	\$ 130.00 - \$ 140.00
CAD Technician I/Survey Technician/Technician/Technical Writer I	\$ 105.00 - \$ 130.00
Survey Crew (1 Person/RTK/Robotic/Scanning)	\$ 157.00
Survey Crew (2 Person/RTK/Robotic/Scanning)	\$ 215.00
Survey Crew (3 Person/ RTK/Robotic/Scanning).....	\$ 269.00

Expert Witness/Forensic Engineering 1.5 times usual hourly rate (4 hour minimum)

Individuals not in the regular employ of Reid Middleton may occasionally be engaged to meet specific project requirements. Charges for such personnel will be comparable to charges for regular Reid Middleton personnel.

A premium may be charged if project requirements make overtime work necessary.

II. Equipment	Rate
Design Software/Computer Aided Drafting	\$ 12.00/hour

III. Reimbursable Expenses	
Local Mileage - Automobile	\$ 0.67/mile
Local Mileage - Survey Truck	\$ 0.67/mile

Expenses that are directly attributable to the project are invoiced at cost plus 10%. These expenses include, but are not limited to, subconsultant or subcontractor services, travel and subsistence, communications, couriers, postage, fees and permits, document reproduction, special instrumentation and field equipment rental, premiums for additional insurance where required, special supplies, and other costs directly applicable to the project.



February 12, 2024; revised March 1, 2024

HWA Proposal No. 2023-P094-21

Reid Middleton, Inc.
728 134th St. SW Suite 200
Everett, WA 98204

Attention: Willy Ahn and Blaine McRae

Subject: **ADDENDUM TO SCOPE OF SERVICES**
ENVIRONMENTAL SAMPLING
Kirkland Marina Park Repairs
Kirkland Marina
Kirkland, Washington

Dear Gentlemen:

Per your request, HWA is providing an addendum to the geotechnical engineering services to include environmental sampling of the geotechnical borings proposed for the subject project. Below, HWA GeoSciences, Inc. (HWA), presents our addendum environmental services scope of work and project cost estimate for the Kirkland Marina Park Repairs Project.

PROJECT UNDERSTANDING

It is HWA's understanding that the City of Kirkland would like environmental sampling of proposed HWA geotechnical borings to assess the potential for contamination that may affect the project design. It is also our understanding that the City of Kirkland is not aware of any contamination at the Kirkland Marina Park property. From a cursory review of Washington State Department of Ecology (Ecology) and Environmental Protection Agency (EPA) websites, it does not appear that the Kirkland Marina Park is an Ecology or EPA regulated site. However, several properties upgradient (i.e., upland) from the park are Ecology regulated properties with various soil and/or groundwater impacts.

SCOPE OF SERVICES

Environmental Sampling:

Per the July 27, 2023 proposal letter, three borings were proposed as shown on Figure 1. Two borings B-1 and B-2 will be drilled at the sunken stairs, and B-3 will be drilled at ADA.

During drilling of the geotechnical borings, HWA will field screen soils for organic vapors by headspace analysis using a photoionization detector (PID) a water sheen test, and visual and olfactory methods (i.e., stained or discolored soils and/or adverse odors). Environmental soil samples and reconnaissance groundwater samples, collected from temporary wells installed during drilling, will be collected from each geotechnical boring for chemical laboratory analysis.

Environmental Laboratory Testing:

All soil and groundwater samples collected will be submitted to an Ecology-accredited, third-party analytical laboratory (OnSite Environmental of Redmond, Washington). For each geotechnical boring, the soil samples with the highest level of organic vapors and/or most discernible visual/olfactory contamination will be selected for chemical analysis. Field staff will deliver samples to the analytical laboratory within 48 hours of sampling. We will employ full chain-of-custody procedures to allow tracking and handling of the samples. HWA will select up to two soil samples from each boring, with the depth the sample was collected noted in the sample identification, and one groundwater sample (if encountered) per boring (maximum of 6 soil samples and 3 groundwater samples) for chemical laboratory analysis of the following:

- Petroleum hydrocarbons – gasoline via Ecology test method NWTPH-Gx,
- Petroleum hydrocarbons – diesel, oil via Ecology test method NWTPH-Dx,
- Volatile organic compounds (VOCs) via test method EPA 8260D
- Semivolatile organic compounds (SVOCs) with low level polycyclic aromatic hydrocarbons (PAHs) via test method EPA 8270E/SIM
- RCRA 8 Metals (Ag, As, Ba, Cd, Cr, Hg, Pb & Se) via test method EPA 6010D/6020B/7471B (soil) and test method EPA 200.7/200.8/7470A (dissolved metals, groundwater),
- Hexavalent chromium via test method SM 3500-CrB (if deemed necessary), and
- Toxicity Characteristic Leaching Procedure (TCLP) via EPA test method EPA 1211/6010D (if deemed necessary).

HWA has not completed any environmental investigations or file review of the subject site, and has no information regarding historical uses, potential contaminants of concern, or locations of interest at the site. The above listed testing is based on the May 23, 2023 GeoEngineers *Focused Upland Soil Characterization, Marina Park Dock and Shoreline Renovations Project* report, HWA's cursory review of regulated sites in the vicinity of the park property, and general disposal facility requirements, which may vary based on the disposal facility. Samples will be submitted for standard laboratory turnaround time, which is approximately 7 to 10 business days. Follow-up analyses, based on initial analytical results (i.e., TCLP or hexavalent chromium follow-up analysis) may result in a total standard turnaround time of up to 3 weeks.

Investigation Derived Waste (IDW):

All soil cuttings, purged groundwater (if encountered), and decontamination water from the geotechnical borings will be placed in steel 55-gallon drums. These IDW drums will be stored at the Kirkland Marina Park property, or at an adjacent location as provided by the City, pending chemical analysis. Once laboratory results for the environmental samples are obtained, HWA will coordinate the disposal of drummed IDW utilizing a waste disposal subcontractor. Waste profile documentation required for disposal of the IDW will need to be signed by the property owner or a City representative.

Reporting:

HWA will prepare an environmental sampling letter report that will describe the environmental work performed, present the results of the environmental sampling, and provide recommendations. This letter report will be aimed at establishing the presence or absence of contamination in the areas sampled, which are locations selected for geotechnical purposes only (i.e., not selected based on suspect environmental conditions). If contamination is discovered, it is likely that the limited sampling data will not be sufficient for a cost estimate for site remediation or soil and/or groundwater disposal during construction. Additional laboratory analysis (possibly of samples already collected) and/or follow-up subsurface investigation may be recommended to establish regulatory compliance, depending on initial results.

ASSUMPTIONS

- No review of documents pertaining to the environmental condition of the site, adjoining, and/or nearby properties are included with this estimate. All chemical soil and groundwater sampling will be conducted in conjunction with and in locations selected for geotechnical investigation purposes only.
- The geotechnical explorations proposed herein will not be used to assess site environmental conditions of the entire project area (i.e., no environmental assessment of areas not sampled). Experience has shown that subsurface soil and groundwater conditions can vary significantly over small distances, and it is possible that other subsurface conditions and/or contamination may exist in areas that were not investigated. If contamination is discovered, it is likely that the data will not be sufficient for delineating the vertical and/or lateral extent of contamination, assessing the environmental condition of the site in general, or to provide a cost estimate for soil and/or groundwater disposal during construction.
- All IDW will be drummed and temporarily stored on site, within the parking lot adjacent to the park as approved by the City, until disposal of the IDW is approved and drums are removed for disposal (generally up to 8 weeks). Waste profile paperwork for disposal of IDW will be signed by a representative of the City. Estimated subcontractor effort and IDW disposal costs are for non-hazardous wastes. If analytical results indicate hazardous wastes are present, IDW disposal may

require disposal as a hazardous waste at a Subtitle C landfill which could incur additional labor, time, and subcontracting costs.

- Groundwater samples will be collected from temporary wells only. No permanent environmental groundwater monitoring wells will be installed.

PROJECT BUDGET

Based on the environmental scope of services outlined above, we estimate and additional \$30,594 to provide these environmental services (as outlined in the attached spreadsheet). The budget will be transferable within the total budget estimated herein by the project engineer's discretion. We will not exceed the above cost estimates without your prior authorization. However, if during the evaluation of the available data or during our field exploration unanticipated subsurface conditions are revealed which would require a level of effort beyond the scope of our study, we will contact you immediately to discuss any necessary modifications to our scope of services and/or budget estimate.



Thank you for the opportunity to provide this proposal for environmental services. Should you have any questions regarding this proposal, or require additional services, please contact us at your convenience.

Sincerely,

HWA GEOSCIENCES INC.

Handwritten signature of Nicole Kapise in black ink.

Nicole Kapise
Senior Environmental Geologist

Handwritten signature of Arnie Sugar in purple ink.

Arnie Sugar, LG, LHG
Principal Hydrogeologist

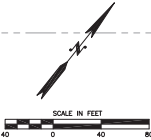
Enclosure:
Figure 1
Project Cost Estimate



PLAN-EXISTING SITE
SCALE: 1"=40'

Legends:
B-1, Boring Locations

DATUMS:
HORIZONTAL DATUM: NAD 83/11 WA NORTH
VERTICAL DATUM: NAVD 88
PROJECT BENCHMARK: WGS DESIGNATION #24
CITY OF KIRKLAND, TACK IN LEAD
EL=33.73



REVISIONS				DESIGNED BY:		SCALE: AS NOTED HORIZ: 1"=40' VERT: 1"=40' NOTE: IF "L" DOES NOT MEASURE, 1" ADJUST SCALES ACCORDINGLY		728 134th Street SW Suite 200 Everett, Washington 98204 Ph: 425 741-3800		CITY OF KIRKLAND	
NO.	DATE	BY	DESCRIPTION	APPROVED BY:						KIRKLAND MARINA PARK DOCK AND SHORELINE RENOVATIONS	
				CHECKED BY: <td></td> <td></td> <td></td> <td></td> <td></td> <td colspan="2">SHEET #</td>						SHEET #	
17	03/17/2023			DATE:						G1.1	
				FILE NO:						EXISTING SITE PLAN	
				24-22-017							

PROPOSED SCOPE:
Environmental sampling of geotechnical borings (see Addendum to Scope Services document dated February 12, 2024; revised March 1, 2024).

WORK TASK DESCRIPTION	PERSONNEL AND 2023 HOURLY RATES							TOTAL HOURS	DIRECT LABOR AMOUNT
	Geotechnical Engr. VIII	Principal IX	Geologist VI	Geologist III	Admin Support	Contracts Admin	CAD		
	Sa Hong	Arnie Sugar	Nicole Kapise	Chris Bourgeois	Murphy	Babko	Fry		
	\$97.50	\$93.00	\$50.00	\$39.00	\$32.50	\$45.00	\$32.50		
Project Setup									
Attend Project Kickoff Meeting (Assume Virtual)			1					1	\$50
Review Provided Project Documents			4					4	\$200
Environmental Sampling of Geotechnical Borings									
Plan and Coordinate Environmental Sampling of Geotechnical Borings	2	1	2	6				11	\$622
Generate Environmental Sections of Geotechnical Explorations Work Plan Memo	2	1	6					9	\$588
Conduct Environmental Sampling of Geotechnical Explorations		1	2	20				23	\$973
Assign Laboratory Testing			3					3	\$150
Geotechnical Engineering Design Services									
Evaluate Environmental Laboratory Data			4					4	\$200
Project Coordination Meetings (Assume 2 Meeting)		1	2	2				5	\$271
Prepare Draft Environmental Sampling Letter Report	2	2	20	3				27	\$1,498
Prepare Final Environmental Sampling Letter Report		1	4					5	\$293
HWA Project Management Tasks A, B									
Environmental Task Management	2	1	5	2		6		16	\$886
TOTAL LABOR:	8	8	53	33	0	6	0	108	\$5,731

LOADED LABOR:	
Estimated Direct Salary Based on 2023 Rates	\$5,731
Overhead at 2.0831 of Direct Salary	\$11,938
Profit Multiplier at 30% of Direct Salary	\$1,719
TOTAL LABOR COST:	\$19,389

ESTIMATED OTHER COSTS	
Mileage / Misc.	\$50
Additional Drilling Costs for Environmental Services (e.g., decon truck and labor to decon)	\$2,500
Environmental Laboratory Analysis	\$7,155
IDW Disposal Addendum Cost	\$1,500
TOTAL OTHER COST:	\$11,205

ENVIRONMENTAL LABORATORY TEST SUMMARY:

Test	Est. No. Tests	Unit Cost*	Total Cost
NWTPH-Dx, soil and groundwater	9	\$115	\$1,035
NWTPH-Gx, soil and groundwater	9	\$85	\$765
VOCs, soil and groundwater	9	\$170	\$1,530
SVOCs, soil and groundwater	6	\$360	\$2,160
RCRA 8 Metals, soil and groundwater	9	\$135	\$1,215
Hexavalent chromium, soil and groundwater	3	\$50	\$150
TCLP, soil only (if deemed necessary)	3	\$100	\$300
LABORATORY TOTAL:			\$7,155

* Analysis will be performed at standard turnaround time (5 days for petroleum; 7-10 days for other analyses).

ESTIMATED ENVIRONMENTAL SERVICES ADDENDUM TOTALS	
Labor Costs	\$19,389
Other Costs	\$11,205
TOTAL ESTIMATED COST:	\$30,594










Amend 5 - Reid Middleton - Marina Park Dock & Shoreline Renovations - 32200520


Final Audit Report

2024-03-11

Created:	2024-03-05
By:	Joey Vander Vaart (JVanderVaart@kirklandwa.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAkuXwuCxN5JVWcw9JhIVMYo3je7rZAeyE

"Amend 5 - Reid Middleton - Marina Park Dock & Shoreline Renovations - 32200520" History

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