 <p style="text-align: center;">TASK ORDER #19-01</p>	
PROJECT TITLE AND/OR DESCRIPTION Veal Property Watercourse Determination (Consultant Contact: Christina Merten; Senior Ecologist cmerten@herrerainc.com Phone: 206.787.8267)	
PROJECT NO. AND/OR ACCOUNT NO. 405.21102.00410.-53151	
MAXIMUM AMOUNT PAYABLE \$ 26,561	COMPLETION DATE 12/31/2019

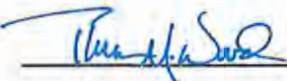
This task order is pursuant to Section 2 of the scope of work in the Consultant Agreement for On-Call Stormwater Engineering Services between the **City of Redmond** (CITY) and **Herrera Environmental Consultants, Inc.** (Consultant) dated July 15, 2019 (Agreement valid through July 15, 2022). All terms and conditions of the Agreement apply to the following described work.

Exhibit A more specifically describes the certain tasks to be provided by the Consultant relative to this order.

Exhibit B is the summary of the Consultant's cost proposal for the described work. The Consultant shall invoice for work subject to this task order separately from other work under the original Agreement.

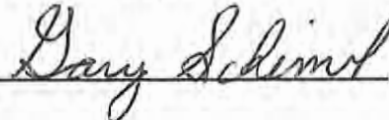
Date: 9/5/2019

Herrera Environmental Consultants

By 

Title Vice President

City of Redmond

By 

Title Interim City Engineer

Exhibit A

Scope of Services

I. BACKGROUND and PURPOSE

Gary Schimek of the City of Redmond (City) requested that Herrera Environmental Consultants (CONSULTANT) prepare a scope of work and cost estimate for a review of an existing watercourse on private property on Parcel Number 3526059123 (Veal Property). The approximately 3.1-acre property is owned by Rory and Donna Veal (Property Owner), on the western side of Redmond-Woodinville Road NE, across from NE 101st Court. The purpose of the review is to determine whether the drainage feature on the Veal property is a City regulated Class IV stream and if so, to classify the watercourse as a perennial or intermittent stream based on existing City of Redmond code and observed conditions. This Scope of Services does not cover any work directly associated with legal depositions or court testimony. Should that become necessary, an amendment to this scope of services will be proposed.

II. WORK ELEMENTS

Task 1: Kickoff Meeting and Project Management

The City and CONSULTANT will convene a kickoff meeting to discuss project elements, anticipated information needs, and schedule. Thereafter CONSULTANT's lead expert will coordinate with City staff as needed during the course of the task work described below to discuss any issues potentially affecting completeness of the analysis, work progress, and schedule. CONSULTANT will prepare monthly invoices and maintain thorough project file records.

Deliverables:

- Phone and e-mail communications regarding work progress.
- Monthly invoices.

Task 2: Data Collection and Background Investigation

CONSULTANT will review data and documents provided by the City, which will include :

- Information from City:
 - Stormwater GIS Data
 - Drainage Reports
 - Hydrology Reports
 - As-built drawings for upslope development, Veal property, and area stormwater infrastructure
 - City permits for the upslope property
 - Technical memos, photos, and field notes from site investigations by City employees
 - Centerline of channel through Veal Property
- Information from Property Owner:

- Request any information that they would like considered in review through City and Property Owner attorneys.
- Other Data Sources:
 - Washington State Department of Transportation (WSDOT) public record request for as-built drawings/reports for roadway.
 - Historic photos, aerials, and maps.
 - Redmond Critical Area Code (current and historic)

Assumptions:

- City will send CONSULTANT the above listed documents and data for review.

Deliverable:

- Reference sheet listing all found sources of data.
- Electronic file including all found sources of data.
- Some of the reference documentation will be appended to the final Technical Memorandum prepared in Task 4.

Task 3: Site Inspection

The CONSULTANT will conduct a site inspection on the Veal Property. The site inspection will be limited to one-day and will be conducted by at least one senior level staff person, who will be qualified to testify to their findings.

The site inspection will be scheduled with the Property Owner a minimum of 5 days in advance. The site inspection will be limited to areas within 25 feet from the center line of the channel through the Veal Property. Minimally invasive testing will be conducted (visual observations, photos, hand measurement, and hand auguring), and the area around the watercourse will be cleared only if needed to access the channel. Consultant will not enter property without being accompanied by a City staff member.

Measurements and conditions to be assessed during the site inspection include:

- The hydraulic drop from the Redmond-Woodinville Road NE culvert outlet to the channel invert
- Channel bankfull width
- Channel bed and surface material
- Channel bank material and condition
- Vegetation types and condition
- Other indicators of stream presence or absence

The CONSULTANT will follow the watercourse approximately 500 feet to the valley floor where it meets the Sammamish River to the west of the Veal Property, obtaining comparable information as listed above. Site inspection in this area will traverse a City-owned parcel and a Native Growth Protection Easement on a separate private parcel. This area can be accessed on a separate day and has several public access points.

Assumptions:

- All measurements and assessment of conditions on the Veal Property can be completed in one 10-hour day, including travel.
- Additional field work in areas outside of the Veal Property may be completed on a separate day.
- Access to the watercourse is uninhibited; where necessary, minor clearing using a hedge-trimmer or clippers is allowed.

Deliverables:

- Notes, photos, and measurements collected during the site inspection will be provided in Appendices in the final Technical Memorandum prepared in Task 4.

Task 4: Code Review and Determination

The CONSULTANT will prepare a Technical Memorandum that describes the information reviewed in Task 2 and obtained in Task 3 and resultant findings from the background investigation and site inspection. The CONSULTANT will determine the classification of the channel based on existing Redmond Critical Area Code and will report the status of the watercourse. The memorandum will include a discussion of historic changes in the drainage basin due to upland and area development, and if these changes may have led to changes in watercourse classification. That development includes, but is not limited to, private developments, WSDOT projects (Redmond-Woodinville Road NE), and City projects (sidewalks, road widening, stormwater infrastructure).

Assumptions:

- CONSULTANT will provide a draft Technical Memorandum to the City by October 4, 2019.
- CONSULTANT will meet with City staff to discuss the findings of the analysis in advance of submitting the draft Technical Memorandum to confirm the entirety of the content to be included with the draft Technical Memorandum.
- The City will respond with one set of consolidated comments on the draft Technical Memorandum within 4 business days.
- CONSULTANT will address City comments and provide a final Technical Memorandum to the City by October 17, 2019.

Deliverable:

- Draft Technical Memorandum via Microsoft Word and PDF.
- Final Technical Memorandum via PDF.

III. SCHEDULE

A draft Technical Memorandum will be submitted via e-mail to the City by close of business on October 4, 2019.

A final Technical Memorandum will be submitted to the City by close of business on October 17, 2019.

Exhibit B
Consultant's Cost Proposal

HERRERA ENVIRONMENTAL CONSULTANTS

Cost Estimate for City of Redmond

Watercourse Investigation on Veal Property

Task 1	Task 2	Task 3	Task 4	TOTAL											
					Hours	Cost	Hours	Cost	Hours	Cost					
COST SUMMARY															
Labor Travel and per diem Other direct costs (ODCs) Subconsultants Analytical laboratory GRAND TOTAL	\$3,373 \$0 \$0 \$0 \$0 \$3,373	\$4,087 \$41 \$0 \$0 \$4,218	\$8,579 \$19 \$0 \$0 \$8,597	\$26,411 \$59 \$90 \$0 \$0 \$26,561											
COST ITEMIZATION															
Labor Contract Approved Billing Rates #/21/2019 (2016 rates)	Rate/Hour (2016 rates)	Hours Cost	Hours Cost	Hours Cost											
Personnel Blaud, Brihanna Curran, Joanna Ewbank, Mark Geigel, Joseph Jackowich, Pam Merlen, Christina Rapoza, Danielle Saavedra, Robin Schmidt, Jennifer Scientist III Engineer IV Vice President GIS Analyst II Administrative Coordinator IV Scientist IV Scientist I Accounting Administrator III GIS Analyst V	\$37.15 \$50.00 \$72.47 \$30.00 \$33.04 \$52.66 \$24.00 \$30.96 \$49.04	6 6 0 0 0 8 0 2 0	\$223 \$300 \$0 \$0 \$0 \$423 \$61 \$0 \$0	15 40 0 10 0 2 4 0 0	\$594 \$2,000 \$0 \$300 \$0 \$106 \$96 \$0 \$0	22 22 0 0 0 0 0 0	\$1,007 \$7,084 \$0 \$0 \$0 \$0 \$0 \$0	72 72 0 0 0 0 0 0	\$3,096 \$6,440 \$836 \$10,372	28 28 0 0 0 0 0 0	\$1,220 \$7,538 \$329 \$4,087	57 57 0 0 0 0 0 0	\$2,561 \$5,327 \$691 \$8,579	179 179 0 0 0 0 0 0	\$7,884 \$16,399 \$2,129 \$26,411
Subtotal Direct Labor Labor Overhead (OH) @ Fee on Burdened Labor @	208.00% 27%	22 \$2,084 \$272	\$3,373	72 \$3,096	28 \$1,220	57 \$2,561	179 \$7,884								
TRAVEL AND PER DIEM COSTS															
Auto Use SUBTOTAL TRAVEL AND PER DIEM	Unit Mile	Cost \$0.58	Units Cost	Units Cost											
OTHER DIRECT COSTS (ODCs) Field Equipment and Supplies (Pad Field Tablet, Kil + Bad EM G SUBTOTAL ODCs	Unit Day	Cost \$45	Units Cost	Units Cost											
SUBTOTAL ODCs	2 \$90.00	\$90	2 \$90.00	2 \$90											