

RESOLUTION NO. 13-885

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF  
BLACK DIAMOND, KING COUNTY, WASHINGTON  
AUTHORIZING AN ON-CALL TASK REQUEST WITH  
PARAMETRIX FOR SURVEY WORK AT THE BLACK  
DIAMOND SPRINGS

**WHEREAS**, Parametrix was hired as the City's On-Call Survey Consultant per Resolution No. 12-782; and

**WHEREAS**, work under the on-call contract must be executed through an on-call task request; and

**WHEREAS**, survey work is needed at the springs in order to map existing conditions and topography; and


**WHEREAS**, this survey work will be funded through the Water Supply and Facilities Funding Agreement (WSFFA);

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, DOES RESOLVE AS FOLLOWS:**

**Section 1.** The Mayor is hereby authorized to execute an On-Call Task Request with Parametrix for survey work at the Black Diamond Springs in the amount of \$26,381.65.

**PASSED BY THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, AT A REGULAR MEETING THEREOF, THIS 5TH DAY OF SEPTEMBER, 2013.**

CITY OF BLACK DIAMOND:

  
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Rebecca Olness, Mayor

Attest:

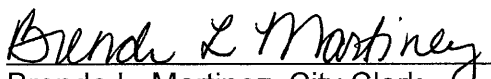
  
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Brenda L. Martinez, City Clerk

Exhibit B

## City of Black Diamond On-Call Task Request

Date:	Revised 5/6/13	City Staff Contact:	Seth Boettcher
Project Name:	Black Diamond Springs/Turbine Survey	Phone:	360-886-2560
Parametrix Project No.:	247-3043-013, Phase 03	Fax:	360-886-2592
Request Made To:	Dave Ironmonger		
Parametrix Phone:	253-604-6600		
Parametrix Fax:	253-604-6799		

### Scope of Task Request

#### *Goal*

To prepare a topographic base map showing existing features, conditions, and improvements within the City of Black Diamond Springs parcels and along a proposed alignment for Hydropower and Potable Water Collection System.

#### *Approach*

Parametrix surveyors will establish horizontal and vertical control using GPS observations and constraining to Washington State Reference Network (WSRN). Horizontal datum will be NAD 83/2010 Washington State Plan Coordinate System, North Zone. Vertical datum will be gathered in NAVD 88 and converted to NGVD 29 to be compatible with City of Black Diamond vertical datum.

Mapping will be performed over the following areas:

1. A survey control traverse will be run along an existing dirt road beginning at the access gate on Enumclaw-Franklin Road and continuing to the parking and turnaround area northeast of Spring 2. Once the control is established, mapping will include the parking area, turnaround, and Turbine/Pump Station site.
2. Surveyors will map the alignment of the existing waterline and appurtenances, including valves, concrete walls, and structures that control the flow of potable water into the City's conveyance system at each of the four springs. Mapping will also include the limits of an access road between the springs, as well as the topography surrounding each spring, providing limited information as to the overflow alignment, top-of-slope, fence lines, trails, culvert crossings, and other improvements. Large significant trees that are near the waterline corridor will be located. Mapping will also include the existing potable water supply pipe and the power penstock from the collection box at Spring 2 to the Turbine/Pump Station on the south bank of the Green River.
3. The topography along the existing potable water supply line and power penstock from the top of bank to the turbine will include significant trees, so that the most stable alignment from the top of the ridge to the turbine/pump house can be designed.
4. North Bank Pump Station and Surrounding Ground – Visible improvements and existing ground conditions will be mapped. The mapping of interior improvements within the building is not included in this scope, unless otherwise directed by the City. The two existing water mains will be located from the bridge to the North Bank Pump Station. The center line of the existing road will be located from the bridge to the North Bank Pump Station.
5. Surveyors will map the alignment of an existing creek beginning at the northeasterly limits near Palmer Spring and continuing southwesterly to a point where it joins the overflow from Spring 1. Mapping will be limited to the center line of the creek with information as to the width at time of survey. Ordinary High-Water Marks are not included in this scope.

## Exhibit B

6. The potential overflow catchment area, which is approximately 100 feet wide and 300 feet in length and lies between Palmer Spring and Spring 3, will be mapped and included in the surface.
7. Foot Bridge – Surveyors will map anchor lines, landings, center-of-walkway, waterlines, and all other visible appurtenances associated with the foot bridge.
8. Cross-section of the Green River – Using the above-referenced foot bridge, surveyors will provide soundings from the bridge in order to define the bed of the river.
9. Turbine/Pump Station – Mapping will include the limits of the structure, as well as the concrete headwall and sandstone vertical cut-bank toe that extends northeasterly along the southerly edge of the river. The turbine tailrace discharge pipe will also be located.
10. Surveyors will field-tie section subdivision corners as identified on Boundary Line Adjustment AFN 20051123900038, records of King County. The locations of these corners will support the resolution of the City boundary near the proposed improvements.

### *Assumptions*

- The boundary survey as referenced in this scope is based upon the aforementioned Boundary Line Adjustment.
- A title report will not be ordered nor does this scope include the setting of property corners.
- City to provide access to all gates.
- A Reserve Fund for Additional Surveying as requested by the City is provided in the budget.

### *Delivery*

- AutoCAD Civil 3D base map.

### *Schedule*

Field work will commence upon an agreed schedule with the City.

**Exhibit B**

**Budget Estimate: \$26,381.65**

Survey Supervisor	David A. Ironmonger	Surveyor III	Scott D. Spees	Surveyor II	Robert J. Spiers	Surveyor II	Dennis L. Harmon	Sr Project Control Specialist	Shannon Ihlen	Project Accountant	Marriah K. Harse
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Burdened Rates: \$143.00 \$99.00 \$72.00 \$85.00 \$63.00 \$63.00

Phase	Task	Description	Labor Dollars	Labor Hours						
03		<b>Springs/Turbine Survey</b>								
	01	Project Management/Expenses	\$950.00	10	4				4	2
	02	Survey	\$14,364.00	168		84	84			
	03	Base Map	\$3,864.00	40	8			32		
	04	Additional Survey - Reserve Fund	(see below)	0						
<b>Labor Totals:</b>			<b>\$19,178.00</b>	<b>218</b>	<b>12</b>	<b>84</b>	<b>84</b>	<b>32</b>	<b>4</b>	<b>2</b>

**DIRECT EXPENSES:**

Description	Amount
B & W 11 x 17	\$7.80
Plotter Bond	\$41.60
Mileage	\$254.25
WA Survey Equipment	\$567.00
Wa Survey Vehicle	\$333.00
Reserve Fund	\$6,000.00
<b>Expense Total:</b>	<b>\$7,203.65</b>
<b>Project Total:</b>	<b>\$26,381.65</b>

<i>Rebecca Olness</i>	<i>Mayor</i>
Written Name	Title
<i>Rebecca Olness</i>	<i>9-6-13</i>
Signature	Date

\*Costs are billed on a time and materials basis, Parametrix, Inc. shall notify the City should additional funds be necessary to complete the task order. Additional work beyond that which is ordered by the City shall not commence until written notification is received from the City.