



HAMMOND COLLIER
WADE LIVINGSTONE

September 20, 2010

Mr. John Light
City of Gold Bar
107 – 5th Street
Gold Bar, WA 98251

**RE: AMENDMENT NO. 1
Engineering Services for Water System Plan Update**

Dear John:

As we have previously discussed, our staff has encountered a substantial amount of additional effort in completing the water system analysis than we anticipated when developing the original Engineering Services Agreement. We are hereby respectfully requesting the City's consideration of supplemental fee budget for the project. We are providing for your review and consideration, Amendment No. 1 to the current Engineering Services Agreement for the subject project. The supplement consists of compensation for unanticipated services and effort required to complete the analysis of the City's water consumption history, and resulting efforts to project the demands, and perform additional hydraulic modeling simulations.

Please feel free to call me if you have any questions regarding the requested amendment.

Sincerely,

HAMMOND COLLIER
WADE LIVINGSTONE

William P. Reynolds, P.E.

encl: Amendment No. 1 (2 signed originals)



HAMMOND COLLIER
WADE LIVINGSTONE

AMENDMENT NO. 1
to
ENGINEERING SERVICES AGREEMENT
CITY OF GOLD BAR
WATER SYSTEM PLAN UPDATE

This supplement is for additional labor which was not anticipated in the original labor fee estimate and includes:

- Additional effort to reconstruct water consumption records for 2002 – 2007, from original meter-reading records. The original records with the calculated total water consumption had been lost.
- Additional effort to reconcile discrepancies in the electronic meter reading data (BOIS) and consumption totals for 2009 and part of 2008.
- Additional effort to assess the unusually high unaccounted for water volumes in the BOIS data, and re-calculation of water source requirements.
- Additional effort to correct the hydraulic model demands associated with the tasks describe above, performing additional model simulation scenarios, and to resolve unknown conditions within the distribution system.
- Supplemental field evaluation to confirm water system configuration at the bridge crossings, pressure zone separation points, and new PRV at the entrance to the Well #4 site.
- Additional city mapping updates with recent development projects and water system modifications by other.

The existing agreement is hereby amended to include:

1. Compensation & Reimbursement of Costs

a) Method of Payment: Unchanged

b) Amounts Payable:

Original Contract Amount:	\$105,450.00
<u>Amendment No. 1 amount:</u>	<u>\$ 18,815.00 (see attached exhibit)</u>
Total Adjusted Contract Amount:	\$124,265.00

HAMMOND COLLIER WADE LIVINGSTONE

CITY OF GOLD BAR

By: Walter J. [Signature]

By: [Signature]

Title: Vice Pres.

Title: Mayor

Date: 9/20/10

Date: 12/7/2010

AMENDMENT NO. 1

**CITY OF GOLD BAR
WATER SYSTEM PLAN UPDATE**

ENGINEERING SERVICES FEE ESTIMATE

Senior Project Engineer E.I.T. II CADD Technician Word Processing

Tasks	Senior Project Engineer	E.I.T. II	CADD Technician	Word Processing	Total Hours	Total Task Fee
Task 100-Project Management	\$155	\$90	\$75	\$68		
Subtask 101 - Project Management	4				4	\$ 620.00
Task 200 - Data Collection						
Subtask 201 - Collect & Review City's Historical Data	8	50			58	\$ 5,740.00
Task 300 - System Inventory & Condition Summary						
Subtask 301 - Field Evaluations	2	4			6	\$ 670.00
Task 400 - Planning Area & Associated Mapping						
Subtask 401 - Mapping City's Service Area	2		12		14	\$ 1,210.00
Task 500 - System Analysis						
Subtask 501 - Demand Forecasting	5	30			35	\$ 3,475.00
Subtask 502 - Evaluate New Source needs	2	6			8	\$ 850.00
Subtask 503 - Capacity Analysis & Modeling	20	35			55	\$ 6,250.00
Hour Totals	43	125	12	0	180	
Hourly Billing Rate	\$155.00	\$90.00	\$75.00	\$68.00		
Fee Subtotal	\$6,665.00	\$11,250.00	\$900.00	\$0.00		

Total Amendment No. 1: \$ 18,815.00
Original Contract Total: \$ 105,450.00
Amended Contract Total: \$ 124,265.00