

**City of Blaine
Water System Plan Amendment Scoping Study
Task Order #2022-03
Amendment No. 1**

This Task Order Amendment is authorized under the Agreement for Professional Services between City of Blaine and CHS Engineers, LLC effective May 14, 2020, and thereafter assigned to David Evans and Associates, Inc. effective June 27, 2020, as amended effective January 18, 2021, as amended effective April 11, 2022, and Task Order #2022-03 effective May 10, 2022.

(A) Scope of Work - Amendment

November 30, 2022

The original scope of work focuses on a study of the basis for the water system capacity analysis (source and storage), reliability factors, the growth and water demand forecast since completion of the WSP in context of recent development trends and interest, and the impact of potential changes of that information on the capital improvement program (CIP). In the course of completion of that work, additional information and requests for additional detailed analysis was requested by representatives of the developers and property owners in the “East Blaine” area. In particular emphasis is on the system needs to support development of the vested Grandis Pond preliminary plat (387 units). That additional information and requests have resulted in additional time and effort to complete the study, including additional monthly meetings and analysis of alternatives in support of the meetings.

The proposed additional Scope of Work is presented below.

1. Project Management

- 1.1. Project Planning – amendment planning
- 1.2. Project Monitoring and Control – including allowance for six additional meetings with City staff and developer representatives including preparation and follow up consultations
- 1.3. Project Closeout – (no changes)

2. WSP Data and Analysis Updates

- 2.1. Chapter 2 – update forecast connections at buildout in 440 Zone, 530 Zone and 630 Zone, including estimated update of current connections and impact of transition of portion of 440 Zone to 530 Zone, evaluate actual density of proposed developments versus density proposed in WSP, evaluate impact of varying densities for undeveloped areas not yet planned in detail.
- 2.2. Chapter 3 – System Analysis: Prepare three preliminary storage and pumping scenarios for 530 and 630 Zones, integrate concept of increasing 171 zone to be a 220 Zone, review and integrate concept of converting a portion of the 440 Zone to be part of a new 530 Zone allowing use of 440 Zone dead storage,

integrate wellfield pump station concept and identify general CIP implications of those changes, prepare analysis of five alternatives including menu of CIP alternatives sized for each alternative, prepare analysis in support of phased implementation generally consistent with prior developer agreements utilizing storage to be reclaimed from 440 Zone reservoir, identify phased improvement plans with zone transfer, initially closed 530 Zone system and future 530 and 630 Zone pumping and storage improvements.

2.3. Chapter 4 – (no changes)

2.4. Chapter 8 – Improvement Program: allowance for additional time and detail for development of proposed CIP updates including planning level cost estimates.

2.5. Chapter 9 – Financial Program - (no changes)

3. WSP Amendment Scoping

3.1. Amendment Outline and Scoping – (no changes)

(B) Deliverables

The WSP Amendment Scoping Study will be documented with the following additional deliverables:

- Preliminary sizing of storage and pumping facilities for 530 and 630 Zones and for proposed new 220 Zone well field reservoir, for various scenarios of system updates
- Alternatives analysis for five scenarios of system configuration for the 530 and 630 Zones
- Outline of phasing plan to serve vested Grandis Pond preliminary plat (387 units) and existing and near-term planned connections in area to be changed from 440 Zone to 530 Zone

(C) Schedule

The draft Scoping Study and WSP Amendment Outline will be completed by January 31, 2023, provided the analysis and coordination with the “East Blaine” area interested parties comes to a conclusion in December 2022.

(D) Fee Basis

The additional Services indicated above are to be billed on a time and expense basis, not to exceed \$25,000. The City may authorize additional supporting or subsequent services on a time and expense basis as confirmed by email to the DEA Project Manager.

[signatures next page]

DAVID EVANS AND ASSOCIATES, INC.

Rodney Langer, Senior Associate

Date

CITY OF BLAINE:

Michael Harmon, City Manager

Date

DEPARTMENTAL APPROVAL:

Gary McSpadden, Acting Public Works
Director

Date

ATTEST:

Samuel Crawford, City Clerk

Date

Attachment #2

David Evans and Associates, Inc.

Project Fee Estimate
Water System Plan Amendment Scoping Study TO #22-03 Amend. No. 1
City of Blaine

Project Number COBL0PWD-2012

Date 11/30/2022

Prepared By RCLA

Estimated DEA Labor - Civil Engineering and Land Surveying Services									
Task/Subtask (1)	Personnel Positions and Hourly Billing Rates						DEA Labor		Total - w/ Subs., Exp. & Rounding
	Project Manager	Project Engineer	Design Engineer	CAD/GIS Technician	Admin. Assistant		Total Hours	Total Est. Fee	
	\$240.00	\$175.00	\$134.00	\$128.00	\$100.00				
1	Project Management						48	\$9,832.00	\$10,656.98
1.1	Project Planning	2					4	\$680.00	
1.2	Project Monitoring/Control and six meetings	32		8			44	\$9,152.00	
1.3	Project Closeout						0	\$0.00	
2	WSP Data and Analysis Update						74	\$12,340.00	\$12,315.12
2.1	Chp 2 - Data/Forecast	8		14	12		34	\$5,332.00	
2.2	Chp 3 - System Analysis	12		8	4		24	\$4,464.00	
2.3	Chp 4 - Rights/Reliability						0	\$0.00	
2.4	Chp 8 - Improvement Pgm	4		8	4		16	\$2,544.00	
2.5	Chp 9 - Financial Program						0	\$0.00	
3	WSP Amendment Scoping						12	\$2,032.00	\$2,027.90
3.1	Amendment Outline	4		8			12	\$2,032.00	
Total		62	0	46	20	6	0	\$24,204.00	\$25,000.00

Estimated Direct Expenses	
Mileage & Reproduction	\$845
Total	\$845

Project Fee Estimate Summary and Total	
Total Estimated Labor	\$24,204
Total Estimated Expenses	\$845
Total Fee Estimate (Rounded)	\$25,000

Notes and Assumptions:

(1) See Scope of Work Amendment dated November 30, 2022.

(2) All hours and expenses are estimated, and may be increased or decreased within the total budget limit at the discretion of DEA's project manager. The DEA project manager may transfer budget from estimated expenses to labor and vice versa, as the project manager may determine as appropriate. Work will be billed on a time and expense basis, subject to the limit of the not-to-exceed Total Fee Estimate (Rounded) value.

(3) Client shall be responsible for direct payment of all permit, agency review, advertisement, service or other project expenses not expressly included in the Project Fee Estimate and/or Scope of Work.