

AMENDMENT NO. 7

CONTRACT NO. 37106

FOR

Fanno Basin Pump Station Pressure Main – Multnomah Section

Pursuant to Ordinance No. _____

This Contract was made and entered by and between Brown and Caldwell, hereinafter called Contractor, and the City of Portland, a municipal corporation of the State of Oregon, by and through its duly authorized representatives, hereinafter called City.

1. Additional compensation is necessary and shall not exceed \$104,500. The project task budget amounts are adjusted as indicated in the revised Section IV – Payment Schedule located in the body of this amendment. The amended not-to-exceed total contract amount is \$3,769,750.
2. Additional work is necessary for the development of the project. The originally authorized and previously amended Exhibit A Statement of the Work and Payment Schedule is further amended as follows:

III SCOPE OF WORK

The following additions and modifications to the originally authorized and previously amended Scope of Work are necessary for the continued development of the primary project E09045 Fanno Basin System Improvements:

PROJECT E08294 FABA Pump Station Force Main Replacement – Multnomah Section**E08294 – TASK 7.0 Services During Construction**

Additional work is needed to complete the Services During Construction (SDC's) for the Multnomah Force Main replacement project. This work includes design of the permanent connection between the existing FABA pump station and south leg of the new Garden Home pipeline. Plan/profile and detail sheets shall be developed for use by the Garden Home Construction Contractor to procure and install the pipeline. The route of the pipe will extend from the existing flow meter vault to the 30-inch gate valve installed at the end of the Garden Home pipeline.

Project E09051 FABA Pump Station Expansion

E09051 – TASK 1.0 Project Management

Additional work is needed to continue the oversight of the Primary Pump Station and Surge Tanks project to cover the extended duration of the work (approximately 6 months).

E09051 – TASK 2.0 Data Collection and Review

Additional geotechnical information is required to support the relocation of the proposed surge tanks and pump station facilities to a new site. Two borings will be taken at the new site, the soils will be analyzed, and a geotechnical report will be prepared.

E09051 – TASK 7.0 Site Investigations

Additional work is needed to update and revise the wetland delineation and the natural resource assessment for the selected project site property. The following activities will be performed by Vigil-Agrimis (VAI):

Wetland Delineation

VAI will determine the presence and extent of wetlands on the selected project site property. The wetland delineation will be performed using the procedures defined in the Corps of Engineers Wetland Delineation Manual (Experimental Laboratory, 1987). This methodology is acceptable for determining wetland limits by both the US Army Corps of Engineers and the Oregon Department of State Lands. Wetland boundaries will be flagged and all paired plot locations (per DSL guidelines) and use Global Positioning System (GPS) surveying to determine the location of the boundaries in space. A Wetland Delineation Report will be prepared following the Oregon Department of State Lands guidelines for preparing wetland delineations. The wetland delineation report will be submitted to DSL for verification and concurrence, which will be required prior to DSL's issuance of a Removal-Fill Permit for the project.

Additional data will be collected in the field to incorporate the selected project site property into the Natural Resource Assessment being prepared for the project.

Deliverables:

- Wetland Delineation, 3 hard copies and one electronic copy

Natural Resource Assessment

Clean Water Services (CWS) has design requirements for storm and surface water management related to water quality Sensitive Areas and Vegetated Corridors. The provisions in Chapter 3 Sensitive Areas and Vegetated Corridors are intended to prevent or reduce adverse impacts to the drainage system and water resources of the Tualatin River Basin. The Natural Resource Assessment includes documentation of existing conditions, resource impact assessment, and mitigation. VAI will prepare

a Natural Resources Assessment Report using current CWS reporting requirements. This report will be provided to the City for submittal to CWS for the purpose of obtaining a Services Service Provider Letter.

Deliverables:

- Natural Resource Site Assessment, 3 hard copies and one electronic copy
- Service Provider Letter Application

Amendment No. 7 – Contract No. 37106

Fanno Basin Pump Station Pressure Main, Multnomah Section

IV Payment Schedule – Project & Project Task Budget Adjustments

Amended Contract No. 37106 with Brown and Caldwell BES Project Numbers & Amended Budget Amounts				
Project Number	Project Names	Currently Amended Budget Amounts	Amendment No. 7 Amounts	Adjusted Project Budget Amounts
E08294	FABA PS FM: Multnomah Section	\$ 1,022,315	\$ 47,600	\$ 1,069,915
E09050	FABA Surge Tanks	\$ 800,099	\$ 0	\$ 800,099
E09051	FABA PS Expansion	\$ 943,521	\$ 56,900	\$ 1,000,421
E09052	Burlingame Trunk Sewer Improvements	\$ 594,440	\$ 0	\$ 594,440
E09168	Multnomah Stormwater Improvements	\$ 304,875	\$ 0	\$ 304,875
TOTALS		\$ 3,665,250	\$ 104,500	\$ 3,769,750

Separate Task & Budget Summary tables for each of the secondary projects listed above are included on the following pages.

E08294 FAB A PS FM: Multnomah				
Task #	Task Name/Description	Current Budget Amount	Amendment No. 7 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	\$ 46,397	\$ 0	\$ 46,397
2.0	Conduct Additional Evaluations	\$ 46,581	\$ 0	\$ 46,581
3.0	Final Design Recommendation	\$ 18,815	\$ 0	\$ 18,815
4.0	Public Outreach Services	\$ 109,368	\$ 0	\$ 109,368
5.0	Final Design	\$ 513,460	\$ 0	\$ 513,460
6.0	Services During Bidding	\$ 11,100	\$ 0	\$ 11,100
7.0	Services During Construction	\$ 162,390	\$ 47,600	\$ 209,990
8.0	Project Closeout Assistance	\$ 11,765	\$ 0	\$ 11,765
9.0	Not Used	\$ 0	\$ 0	\$ 0
10.0	Fanno Pump Station Analysis	\$ 36,659	\$ 0	\$ 36,659
11.0	Fanno Pump Station Expansion Analysis	\$ 54,122	\$ 0	\$ 54,122
12.0	Basin Planning Assistance	\$ 11,658	\$ 0	\$ 11,658
TOTALS		\$ 1,022,315	\$ 47,600	\$ 1,069,915

E09050 FABA Surge Tanks				
Task #	Task Name/Description	Current Budget Amount	Amendment No. 7 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	\$ 43,685	\$ 0	\$ 43,685
2.0	QA/QC	\$ 21,852	\$ 0	\$ 21,852
3.0	Permitting Coordination	\$ 2,832	\$ 0	\$ 2,832
4.0	Preliminary Design Report	\$ 66,907	\$ 0	\$ 66,907
5.0	Preliminary Design to 30%	\$ 131,948	\$ 0	\$ 131,948
6.0	60% Design	\$ 131,601	\$ 0	\$ 131,601
7.0	90% Design	\$ 73,137	\$ 0	\$ 73,137
8.0	100% Design	\$ 46,946	\$ 0	\$ 46,946
9.0	Final Design	\$ 281,191	\$ 0	\$ 281,191
10.0	Services During Bidding	\$ 0	\$ 0	\$ 0
11.0	Services During Construction	\$ 0	\$ 0	\$ 0
12.0	Project Closeout Assistance	\$ 0	\$ 0	\$ 0
TOTALS		\$ 800,099	\$ 0	\$ 800,099

E09051 FABA PS Expansion				
Task #	Task Name/Description	Current Budget Amount	Amendment No. 7 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	\$ 63,997	\$ 6,500	\$ 70,497
2.0	Data Collection and Review	\$ 7,846	\$ 21,000	\$ 28,846
3.0	Alternatives Development	\$ 50,595	\$ 0	\$ 50,595
4.0	Permitting	\$ 14,560	\$ 0	\$ 14,560
5.0	Preliminary Design Report	\$ 83,108	\$ 0	\$ 83,108
6.0	30% Document Preparation	\$ 170,742	\$ 0	\$ 170,742
7.0	Site Investigations	\$ 348,573	\$ 29,400	\$ 377,973
8.0	LUR Legal Support	\$ 95,000	\$ 0	\$ 95,000
9.0	Final Design	\$ 0	\$ 0	\$ 0
10.0	Services During Bidding	\$ 0	\$ 0	\$ 0
11.0	Services During Construction	\$ 0	\$ 0	\$ 0
12.0	Project Closeout Assistance	\$ 0	\$ 0	\$ 0
13.0	Peak Flow Management Alternatives Evaluation	\$ 109,100	\$ 0	\$ 109,100
TOTALS		\$ 943,521	\$ 56,900	\$ 1,000,421

E09052 Burlingame Trunk Sewer Improvements				
Task #	Task Name/Description	Current Budget Amount	Amendment No. 7 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	\$ 36,873	\$ 0	\$ 36,873
2.0	Data Collection and Review	\$ 3,286	\$ 0	\$ 3,286
3.0	Hydraulic Modeling	\$ 5,797	\$ 0	\$ 5,797
4.0	Alternatives Development	\$ 14,800	\$ 0	\$ 14,800
5.0	Permitting	\$ 4,466	\$ 0	\$ 4,466
6.0	Preliminary Design Report	\$ 12,551	\$ 0	\$ 12,551
7.0	30% Document Preparation	\$ 103,612	\$ 0	\$ 103,612
8.0	60% Document Preparation	\$ 174,972	\$ 0	\$ 174,972
9.0	90% Document Preparation	\$ 93,796	\$ 0	\$ 93,796
10.0	Final Design	\$ 54,377	\$ 0	\$ 54,377
11.0	Services During Bidding	\$ 17,600	\$ 0	\$ 17,600
12.0	Services During Construction	\$ 62,310	\$ 0	\$ 62,310
13.0	Project Closeout Assistance	\$ 10,000	\$ 0	\$ 10,000
TOTALS		\$ 594,440	\$ 0	\$ 594,440

E09168 Multnomah Stormwater Improvements				
Task #	Task Name/Description	Current Budget Amount	Amendment No. 7 Amounts	Adjusted Task Budget Amounts
1.0	Conceptual Design	\$ 32,008	\$ 0	\$ 32,008
2.0	Final Design	\$ 208,905	\$ 0	\$ 208,905
3.0	Project Management	\$ 29,062	\$ 0	\$ 29,062
4.0	Services During Bidding	\$ 13,150	\$ 0	\$ 13,150
5.0	Services During Construction	\$ 15,000	\$ 0	\$ 15,000
6.0	Project Closeout Assistance	\$ 6,750	\$ 0	\$ 6,750
TOTALS		\$ 304,875	\$ 0	\$ 304,875

The hourly rates shown in the following table shall apply for Ash Creek Associates and shall be full compensation for all overhead costs, routine expenses, and profit as described in Section IV of the original contract.

Firm	Classification / Staff	Maximum Hourly Rates
Ash Creek Associates	Principal	\$180
	Senior Associate	\$152
	Associate	\$114
	Senior Project Manager	\$104
	Project Manager	\$94
	Senior Staff	\$82
	Staff	\$76
	Drafting	\$59
	Administrative	\$52

M/W/ESB Participation:

The following table summarizes the Contractor's proposed subconsultant M/W/ESB participation, as of the time this contract amendment was prepared.

Subconsultant	M/W/ESB Certifications	Scope/Type of Work	Currently Amended Subcontract Amounts	Proposed Amendment No. 7 Subcontract Amounts
Jeanne Lawson Associates	WBE, DBE	Public Involvement	\$104,160	\$104,160
Design Data Concepts ⁽¹⁾	ESB, MBE, WBE, DBE	CADD	\$4,087	\$4,087
Garry Struthers Associates	MBE	Traffic Control	\$72,500	\$72,500
Thurston Associates	DBE, WBE	Survey	\$16,000	\$16,000
Shur Architects	ESB	Architecture	\$124,195	\$124,195
Superelevation	MBE, DBE, SDB	CADD, Traffic Control	\$364,449	\$364,449
Vigil-Agrimis	MBE	Environmental Mitigation Design & Permitting	\$379,289	\$407,289
Christe White, PC	WBE in process	LUR related Legal Services	\$95,000	\$95,000
The Greenbusch Group	WBE, DBE	Acoustical Engineering	\$34,615	\$34,615
Ash Creek Associates		Geotechnical Engineering	\$0	\$20,000
M/W/ESB Total Amounts			\$1,194,295	\$1,242,295
Amended Contract Amounts			\$ 3,665,250	\$ 3,769,750
M/W/ESB Percentage of the amended Contract Amount			32.6%	33.0%

1. Design Data Concepts was unable to continue on the project team, and the CADD work was re-allocated to Superelevation as authorized by amendment 4.

All other terms and conditions shall remain unchanged and in full force and effect.

Contract No. 37106 Amendment/Change Order No. 7

Contract Title: FANNO BASIN PUMP STATION PRESSURE MAIN –
MULTNOMAH SECTION

This contract amendment may be signed in two (2) or more counterparts, each of which shall be deemed an original, and which, when taken together, shall constitute one and the same contract amendment.

The parties agree the City and Contractor may conduct this transaction by electronic means, including the use of electronic signatures.

BROWN AND CALDWELL

By: *Bryan K Paulson* Date: 1-31-11

Name: Bryan K. Paulson

Title: Vice President

Contract No. 37106

Amendment/Change Order No. 7

Contract Title: FANNO BASIN PUMP STATION PRESSURE MAIN –
MULTNOMAH SECTION

CITY OF PORTLAND SIGNATURES:

By: _____
Purchasing Agent

Date: _____

By: _____
Elected Official

Date: _____

Approved:

By: _____
Office of City Auditor

Date: _____

Approved as to Form:

By: APPROVED AS TO FORM
Office of City Attorney

Date: 1/31/11

Amela Mergosa
CITY ATTORNEY