

**WORK ORDER FORM**

PURSUANT TO A MASTER AGREEMENT BETWEEN  
THE CITY OF FORT COLLINS  
AND  
ANDERSON CONSULTING ENGINEERS

**WORK ORDER NUMBER:** 4

**PROJECT TITLE:** Whitewater Park / Poudre River Downtown Project

**ORIGINAL BID/RFP NUMBER & NAME:** Professional Service Agreement #7490  
Poudre River Downtown Project

**MASTER AGREEMENT EFFECTIVE DATE:** 4/28/17

**WORK ORDER COMMENCEMENT DATE:** 4/18/19

**WORK ORDER COMPLETION DATE:** 12/31/19

**MAXIMUM FEE:** (time and reimbursable direct costs): \$199,991

**PROJECT DESCRIPTION/SCOPE OF SERVICES:** See attached Scope of Work, Dated  
March 8, 2019

Service Provider agrees to perform the services identified above and on the attached forms in accordance with the terms and conditions contained herein and in the Master Agreement between the parties. In the event of a conflict between or ambiguity in the terms of the Master Agreement and this Work Order (including the attached forms) the Master Agreement shall control.

The attached forms consisting of 4 (four) pages are hereby accepted and incorporated herein, by this reference, and Notice to Proceed is hereby given after all parties have signed this document.

**SERVICE PROVIDER:** [Signature] PRINCIPAL ENGINEER Date: 04/22/2019  
Name, Title

**ACCEPTANCE:** [Signature] Project Manager Date: 4/22/19  
Name, Project Manager

**REVIEWED:** [Signature] Date: 4/23/19  
Name, Buyer or Senior Buyer

**ACCEPTANCE:** [Signature] Date: 4/23/19  
Gerry Paul, Purchasing Director  
(if greater than \$60,000)



**SCOPE OF WORK  
FOR  
POUDRE RIVER DOWNTOWN PROJECT  
REACH 3, PHASE I – CONSTRUCTION ASSISTANCE FOR 2019  
MARCH 2019**

The following scope of work and accompanying budget have been prepared to identify construction assistance services associated with the Poudre Whitewater Park. Pursuant to discussions concerning these services, it is our understanding that Park Planning and Development Staff will serve as Construction Manager throughout the project, assisted by Engineering Department Staff who will provide primary construction observation services during portions of the project. ACE and other members of the ACE Design Team will provide construction assistance (CA) with respect to specific project elements, as defined below when requested by City Staff. We also understand that City Engineering Department Staff will be responsible for inspecting and approving all structural work for the project, including steel inspection.

It is anticipated that additional design changes may be needed to accommodate: (a) the final art features design (being conducted by others); (b) adjustments to the tree planting plan, if additional trees need to be removed during construction; (c) a number of items associated with landscape features; and (d) temporary irrigation measures. *Due to the currently unknown needs of the temporary irrigation system, an estimated design effort is included in this scope of services; it is possible that additional design effort may be required once system needs are fully defined. In addition, if resubmittal of the tree mitigation plan to the City for review and approval is required, those services would need to be provided under a supplemental scope and budget.*

CA work for 2018 was the subject of a prior scope of work and budget. The current scope of work and budget includes CA and re-design services for 2019, as well as the portions of these same services identified for 2018, but the performance of which was delayed to 2019.

*The scope of services outlined below, with the associated level of effort represented in the attached detailed budget for ACE, suggests the minimum level of CA participation we would recommend for this project. We will make every effort to observe critical installation techniques used by the contractor. However, even with this effort, ACE will not be able to ensure that all project elements are constructed as intended, particularly the extensive buried/subsurface river stabilization measures that are critical to the long-term stability of the river.*

**TASK 10. CONSTRUCTION ASSISTANCE (2019)**

Construction assistance during 2019 will include the following:

- (a) attendance by ACE staff at all weekly on-site meetings through April 2019, and four additional weekly meetings after April;
- (b) attendance at a limited number of weekly meetings by BHA staff;
- (c) a limited number of site visits by ACE and various project team members, when requested by City staff;
- (d) submittal shop drawing reviews and RFI responses;
- (e) coordination with City staff and project team members; and
- (f) participation by ACE and BHA staff in both the substantial completion and final acceptance walk-throughs.

Based on conditions encountered during construction, design revision services during 2019 may include the following:

- (a) final design modifications to accommodate the final configuration of the South Plaza art features (being completed by others), including changes to plaza drainage facilities;

- (b) design modifications to accommodate the final configuration of the Andy Dufford art feature (being completed by others);
- (c) coordination and design of donor signage for the bridge;
- (d) design change related to the addition of a portable toilet;
- (e) additional coordination/meetings related to the public art features;
- (f) redesign of the park monument sign;
- (g) design changes for site furniture;
- (h) design of two memorial benches;
- (i) planting plan modifications necessary to meet tree mitigation requirements due to the removal of additional trees, including associated irrigation modifications; and
- (j) additions to the irrigation plan to include facilities for providing temporary irrigation for native grass areas, based on final decisions by City staff concerning preferences for the temporary system.

**TASK 11. PREPARE AS-BUILT DRAWINGS (2019)**

A field survey will be conducted by Majestic Surveying of as-built conditions within the project area; the survey will include all new site features and 1-foot contour interval topographic mapping. It is noted that the field survey data collected under this task will be merged with as-constructed survey data collected by Majestic for the project contractor. As-built drawings will be developed based on this survey information, as well as as-built information collected by City Staff during construction.

**ACE ONLY BUDGET**  
for the  
**POUDRE RIVER DOWNTOWN PROJECT**  
**REACH 3, PHASE I -- CONSTRUCTION ASSISTANCE FOR 2019**  
**MARCH 2019**

PROJECT: Poudre River Downtown, Reach 3, Phase I -- CA 2019 CLIENT: City of Fort Collins		Anderson Consulting Engineers, Inc. Direct Labor										ODC's		Totals		
ACE PROJECT NO.: COFC18.3 PREPARED BY: GJK / BAS DATE: 03/08/2019	Task/Description	Principal Engineer \$160/hr	Senior Project Manager \$125/hr	Senior Engineer II \$110/hr	Senior Engineer I \$101/hr	Project Engineer II \$94/hr	Project Engineer I \$87/hr	Engineer II \$80/hr	Senior GIS/CADD Technician \$80/hr	Admin. \$65/hr	Admin. Assistant \$60/hr	Other Direct Costs	Cost	Hours	Cost	Hours
10. Construction Assistance (2019)		200		492			184				16		\$432	882	\$103,520	
11. Prepare As-Built Drawings (2019)		4		42			32							78	\$8,044	
	ACE PROJECT HOURS	204	0	534	0	0	216	0	0	0	16			970		
	ACE PROJECT BUDGET	\$32,640	\$0	\$58,740	\$0	\$0	\$18,792	\$0	\$0	\$0	\$960		\$432	\$111,564		

**PROJECT BUDGET**  
 for the  
**POUDRE RIVER DOWNTOWN PROJECT**  
**REACH 3, PHASE I -- CONSTRUCTION ASSISTANCE FOR 2019**  
**MARCH 2019**

<b>PROJECT: Poudre River Downtown, Reach 3, Phase I -- CA &amp; LOMR</b>		<b>Anderson Consulting Engineers Project Team</b>										<b>Totals</b>	
<b>CLIENT: City of Fort Collins</b>		<b>Anderson Consulting Engineers</b>	<b>BHA Design</b>	<b>S<sub>2</sub>O Design</b>	<b>Miller Ecological Services</b>	<b>SM&amp;RC Structural</b>	<b>Water &amp; Earth Technologies</b>	<b>Hines Irrigation Consultants</b>	<b>ESC Engineering</b>	<b>Majestic Surveying</b>			
<b>ACE PROJECT NO.:</b>	<b>COFC18.3</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	<b>Cost</b>	
<b>PREPARED BY:</b>	<b>GJK / BAS</b>	\$103,520	\$36,610	\$14,793	\$5,364	\$7,290	\$8,345	\$8,700	\$3,125			\$187,747	
<b>DATE:</b>	<b>03/08/2019</b>	\$8,044								\$4,200		\$12,244	
<b>10. Construction Assistance (2019)</b>													
<b>11. Prepare As-Built Drawings (2019)</b>													
<b>TOTAL CONSULTANT BUDGET</b>		<b>\$111,564</b>	<b>\$36,610</b>	<b>\$14,793</b>	<b>\$5,364</b>	<b>\$7,290</b>	<b>\$8,345</b>	<b>\$8,700</b>	<b>\$3,125</b>	<b>\$4,200</b>		<b>\$199,991</b>	