

## MEMORANDUM

**To:** PPO Subcommittee  
**From:** Amanda Grint, Water Resources Engineer  
**Date:** January 3, 2019  
**Re:** Amendment No. 3 to Professional Services Contract with Benesch for Glacier Creek Stream and Wetland Mitigation Bank Project

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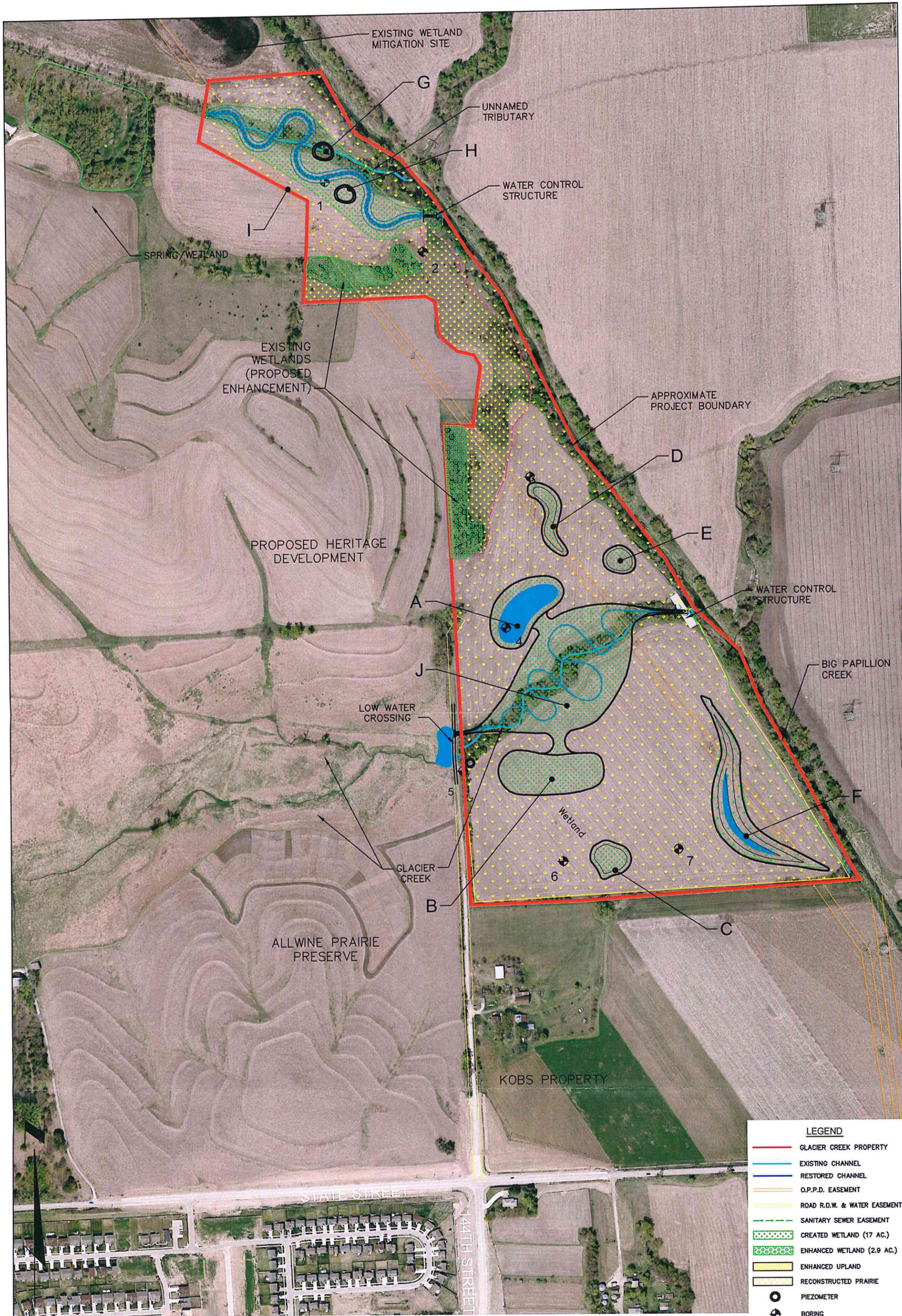
The Glacier Creek property was purchased by the District and UNO in June 2009 and is shown in the attached map. In April 2010, a professional services contract was approved with HWS (now Benesch) for design of the Glacier Creek stream and wetland mitigation bank for a not to exceed fee of \$106,800. Amendments were approved in April 2011 and June 2012, bringing the total not to exceed amount to \$176,544, in anticipation of final design and construction of the project. Final design was completed but funding was delayed for the construction.

The proposed contract Amendment No. 3 includes updating information and preparing for construction of the mitigation bank. Details are provided in the attached letter amendment dated December 28, 2018, from Benesch. A summary of the proposed tasks are:

- Update of the Banking Instrument because five years has lapsed since the wetland delineation was completed. Additionally, the text of the document is outdated and needs revisions.
- Additional design of a pedestrian bridge along the access road.
- Update and revise final construction plans and bid documents.
- On site consultation for restored wetland work.
- Bidding support and Construction Observation – these are existing tasks but fees have been updated.

This amendment is estimated at \$84,855 and brings the total not to exceed contract amount to \$261,399. Delineation updates will be completed as soon as weather allows and the project will be ready to bid this summer.

**Staff recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute the proposed Professional Services Agreement Amendment No. 3 with Alfred Benesch & Company for the Glacier Creek Stream and Wetland Mitigation Bank Project, bringing the total not to exceed contract amount to \$261,399, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**



GLACIER CREEK STREAM AND WETLAND BANK CONCEPT



2010 AERIAL

- LEGEND**
- GLACIER CREEK PROPERTY
  - EXISTING CHANNEL
  - RESTORED CHANNEL
  - O.P.P.D. EASEMENT
  - ROAD R.O.W. & WATER EASEMENT
  - SANITARY SEWER EASEMENT
  - CREATED WETLAND (17 AC.)
  - ENHANCED WETLAND (2.9 AC.)
  - ENHANCED UPLAND
  - RECONSTRUCTED PRAIRIE
  - PIEZOMETER
  - BORING



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December 28th, 2018

Papio-Missouri River Natural Resources District  
Attn: Ms. Amanda Grint, P.E.  
8901 S. 154th Street  
Omaha, NE 68138-3621

**RE: Glacier Creek Wetland and Stream Bank Project  
Request for Contract Amendment #3**

Dear Ms. Grint:

Based on our discussion on November 28, 2018 about the Glacier Creek Wetland and Stream Bank project having authorization for funding and the Papio-Missouri River Natural Resources District's (PMRNRD) request to incorporate design changes and perform additional items of work associated with design and permitting requirements, Benesch is requesting to amend our original contract to add this newly requested scope of work. Additionally, some items of work previously included in our scope of work were not yet completed when the project was placed on hold and we are also requesting an adjustment to our fee for those items due to changes in labor costs and reviewing agency requirements not anticipated at the time the original fee estimate was developed.

The following details the additional items of work. In summary, the requested work includes incorporating design changes to the Site Development Plan and engineering plans requested by the Corps of Engineers (COE) and University of Nebraska at Omaha (UNO); the addition of a pedestrian bridge; the addition of a proposed stream restoration; evaluation of grading on UNO property west of the stream crossing; wetland delineation and stream assessment verification; and additional meetings with UNO and the PMRNRD to discuss proposed updates. We have also included the items of work yet to be completed from our current scope of work along with a summary clarifying their remaining work elements.

**Item 1 - Update Instrument (New)**

The June 2014 Site Development Plan (SDP) Revision 2 will be updated at the request of the COE to modernize terminology and incorporate new standards developed by the Omaha District, such as new performance standards/success criteria. The COE also requested that the wetland delineation and stream assessment be verified, which will require field verification of the wetland types and delineation boundaries. The stream assessment will confirm that the stream assessment scores for each variable are still accurate considering environmental changes and stream assessment updates. Finally, the plan will be updated to incorporate comments from UNO.

**Item 2 - Pedestrian Bridge Design (New)**

Benesch will develop construction drawings and special provisions for a prefabricated pedestrian bridge across the tributary to Big Papillion Creek at the existing field road (144th Street). Benesch will perform a geotechnical analysis of the existing soil borings to aid in design of a spread footing or helical pile foundation. Benesch will design the concrete abutment foundations for the bridge and provide estimated helical pile lengths if helical piles are the selected foundation type. The prefabricated pedestrian bridge superstructure will be fully designed and detailed by the manufacturer selected by the Contractor. Shop

drawings for the superstructure, sealed by a professional engineer licensed in the state of Nebraska, will be required to be submitted by the Contractor and reviewed by Benesch for conformance with the bid documents. Benesch will include schematic superstructure details in the construction drawings for bidding purposes. Benesch will prepare a performance special provision for the prefabricated pedestrian bridge.

### **Item 3 - Design and Bid Document Changes (New)**

For this task, Benesch will modify the previously completed design plans to reflect changes from UNO's review of the design. Where appropriate, additional details complimenting the requested changes will be added to the plans as needed. The design will also be modified to include additional stream restoration improvements and associated grading west of the original project. The overall bid package documents will be updated to reflect these changes. Following these activities, Benesch will submit two sets of the draft final plans and other technical contract documents to the PMRNRD for review and comment. Following the PMRNRD's review of this submittal, a final sealed set of plans and other technical contract documents will be submitted for bidding.

### **Item 4 - Bidding Phase Support (Existing)**

Benesch will coordinate a bid letting and bid opening with the PMRNRD. During the bid letting process, Benesch will notify local contractors and any other contractors requested by the owner of the project to bid. Benesch will also provide interested contractors with engineering plans and specifications for the proposed project for a designated fee.

Benesch will prepare an Engineer's Estimate for the PMRNRD to use at the bid letting. Benesch will attend the letting, review the bids, compile a summary of bids, and provide a recommendation for award of contract.

### **Item 5- Permits (Existing)**

For this task, Benesch will complete the necessary permitting required to move the project forward to construction. This shall include all efforts associated with the application preparation and submittal, permit costs and coordination efforts with each agency to acquire successful award of the permits. It is envisioned that the following permits will be necessary for the project.

- NDEQ Notice of Intent Stormwater Permit
- Papillion Creek Watershed Partnership SWPPP and Sediment and Erosion Control Plan
- Floodplain permit

### **Item 6 - Maintenance Plan (Existing)**

Following the completion of the plans, specifications and bidding documents, the project team shall prepare a long and short-term maintenance plan that shall be utilized by the PMRNRD. Maintenance activities, such as, prescribed fire, invasive species removal, and revegetation, shall be discussed in terms of application, approvals, schedule, and responsible party.

### **Item 7 – On-Site Consultation for Restoration Work (New)**

The restoration plan developed for existing sloped wetlands, upland brome prairie and forested areas along bluff will be executed during construction phase with the contractor. See restoration plan in SDP. These items include tree removal, minor grading, sod stripping, seeding, and herbicide application.



Benesch will work with contractor in the field to incorporate these restoration efforts. This approach will also be utilized to incorporate natural features in the newly created wetlands and streams, including items such as rock piles, dead trees, vegetation incorporation of organic materials, scallops, etc.

**Item 8 - Construction Observation Services (Existing)**

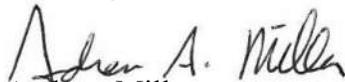
Benesch will provide periodic construction observation services during the construction phase of the project to document compliance of the work with the Contract Documents. A qualified individual will observe and document the construction conforms to the requirements of the contract documents. We anticipate this task will include field notes, photographs, elevation spot checks, materials testing of grading and structural concrete, and seed and plant stock inspections completed during construction. At least four site visits each by project engineer and scientist will be conducted to verify construction activities.

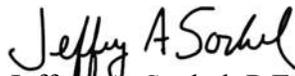
**Fee Summary**

As this change in design and additional services are outside our current scope of work and additional costs beyond what currently remains in our existing budget will be required to complete the work described above. We request to increase our current not to exceed fee by \$84,854.96 to a total not to exceed amount of \$261,398.19 to complete these services.

Please acknowledge your acceptance of the Amendment Scope and Fee by signing below and returning one copy to for our records. We will consider the receipt of the signed acceptance as our notice to proceed with these services unless otherwise indicated. If you have any questions, please contact us at your convenience.

Sincerely,

  
Andrew Miller  
Project Manager

  
Jeffery A. Sockel, P.E.  
Sr. Vice President

Accepted by Papio-Missouri River NRD:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title