

**ADDENDUM NO. 3
TO ON-CALL AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES NO. 2022-030**

MBC-WINNEBAGO EXCESS FLOW HOLDING BASIN STUDY

THIS ADDENDUM NO. 3 TO ON-CALL AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES NO. 2022-030 is made and entered into this _____ day of _____, 2024, by and between the City of Lee's Summit, Missouri (hereinafter "City"), and HDR Engineering, Inc. (hereinafter "Engineer").

WITNESSETH:

WHEREAS, City and Engineer entered into an Agreement dated January 30, 2023 (RFQ No. 2022-030) for professional engineering services for On-Call Professional Engineering Services (hereinafter "Base Agreement"); and,

WHEREAS, City desires to engage Engineer for a specific scope of engineering services which are covered by the Base Agreement; and,

WHEREAS, Engineer has submitted a proposal for the engineering services and an estimate of engineering costs to perform said services in compliance with the Base Agreement; and,

WHEREAS, the City Manager is authorized and empowered by City to execute contracts providing for professional engineering services.

NOW, THEREFORE, in consideration of the mutual covenants and considerations herein contained, **IT IS HEREBY AGREED** by the parties hereto as follows:

ARTICLE I

SCOPE OF ON-CALL SERVICES TO BE PROVIDED BY THE ENGINEER

Pursuant to Article I of the Base Agreement, Engineer is hereby engaged to provide the following scope of services:

Additional services related to project include an evaluation of excess flow holding needs in the Middle Big Creek watershed. This includes a review of the hydraulic modeling, determination of sizing of the excess flow holding basin, evaluation of the site including topographic and subsurface investigation, preliminary engineering report, design requirements, and development of construction documents for bidding.

The full scope of services includes the tasks listed in Exhibit A-3A, attached hereto and incorporated herein by reference.

**ARTICLE II
COMPENSATION FOR SCOPE OF SERVICES**

Payment to the Engineer for the services identified herein shall not exceed \$216,570.00, pursuant to the rates set forth in Exhibit A to the Base Agreement and as listed on Exhibit B-3A, attached hereto and incorporated herein by reference.

**ARTICLE III
TERMS OF BASE AGREEMENT TO APPLY**

All terms of the Base Agreement shall remain in full force and effect and shall apply to this Addendum No. 3.

This Addendum No. 3 shall be binding on the parties thereto only after it has been duly executed and approved by City and Engineer.

IN WITNESS WHEREOF, the parties have caused this Modification to On-Call Agreement to be executed on the _____ day of _____, 2024.

CITY OF LEE'S SUMMIT

MARK DUNNING, CITY MANAGER

APPROVED AS TO FORM:

SCOTT ISON
CHIEF COUNSEL OF INFRASTRUCTURE AND RECREATION

ENGINEER: HDR ENGINEERING, INC.



BY: Cory Imhoff, P.E.

TITLE: Senior Vice President

Attest:

Patrick R Young
Patrick R Young (Jan 31, 2024 09:24 CST)

Patrick R. Young, Senior Vice President

SCOPE-EXHIBIT A-3A

MBC-WINNEBAGO EXCESS FLOW HOLDING BASIN STUDY

CITY OF LEE'S SUMMIT

SCOPE OF SERVICES

This scope describes HDR's services to be provided to support the City in evaluation of excess flow holding needs near the Saddlebrook subdivision. This includes topographic and utility survey, determination of basin sizing, design requirements, and development of construction documents for bidding, and permitting.

Assumptions

1. Two (2) hydraulic model conditions will be developed – existing conditions and ultimate buildout conditions. Excess flow holding basin sizing will be for ultimate buildout conditions, based on sizing criteria agreed to with City.
2. Excess flow holding basin (EFHB) will be earthen, operated in a gravity in/gravity out configuration. If pumping is required, additional scope modifications for establishing pumping needs will be required.
3. Geotechnical subsurface investigations and report provided by City's on-call geotechnical consultant.
4. City to provide files showing extent and characteristics of future development to coordinate layout and access to excess flow holding basin.
5. Topographic and utility survey required during Preliminary Engineering Report (PER) phase.
6. The construction limits are currently outside the floodplain; it is assumed it will remain so and a No-Rise or CLOMR is not required. It is assumed that any potential remapping of this area will not impact the project area.
7. Permanent access to the Saddlebrook EFHB will be via the planned South Lee's Summit Development as shown on the 2/1/2022 Sketch Plan by Engineering Solutions.
8. Property and easement acquisition by others.
9. Project will be bid as a single package.
10. No odor control provided.
11. No construction phase services included.

TASK 1 – Project Management

Services include:

1. Project management and administration (project setup)
2. Budget and invoice management
3. Quality Control and Project Approach and Resource Review

Deliverables:

Project Invoices

Meetings:

None

TASK 2 – Excess Flow Holding Basin Evaluation and Preliminary Engineering Report

These tasks will address the evaluation of the excess flow holding basin sizing, concept, and preliminary engineering report.

Services include:

1. Review existing record drawings, studies, flow and rainfall data, and previous hydraulic modeling provided by the City.
2. Review and update previous dry and wet weather hydraulic model calibration for existing conditions.
3. Establish representative boundary conditions for downstream lines owned by others.
4. Establish future flow projections for ultimate conditions based on land use and city flow projection criteria and incorporate into hydraulic model.
5. Review of geotechnical study and report to establish subsurface conditions, provided by the City and conducted by others.
6. Perform Topographical and Utility Survey including sewer lines upstream and downstream of the site. Survey is limited to approximately 4 acres at one site identified by the City.
7. Conduct hydraulic model evaluations to determine required volume for design storm events and level required for larger event.
8. Confirm City's sizing and design criteria for basin and available volume onsite for holding.
9. Develop recommendations for flow rate and level to divert to holding, diversion structure locations, potential operational scenarios, and review with City. Confirm basin can be operated in a gravity in/gravity out configuration.
10. Develop up to two (2) preliminary basin site plans for review with City and other stakeholders.
11. Develop preliminary grading plan for selected site layout.
12. Develop conceptual piping and controls to support site layout efforts.
13. Develop and document design standards and requirements for holding basin.
14. Desktop site permitting analysis (wetlands, SHPO, etc.)
15. Draft and Final Excess Flow Holding Basin Study and Preliminary Engineering Report.
16. Submit hydraulic modeling to be incorporated into City maintained hydraulic model.
17. Coordinate with local power utility to confirm availability.
18. Perform internal QA/QC review.

Deliverables:

1. Draft and Final EFHB Study and Preliminary Engineering Report.
2. Updated dry and wet weather hydraulic modeling.

Meetings:

Assume two (2) review and/or coordination meetings with the City.

Assumptions:

1. Excess flow holding basin will be earthen basin operated in a gravity in/gravity out configuration. If pumping is required, additional scope modifications for establishing pumping needs will be required.

TASK 3 – Design Phase Services

This task will include designing the future excess flow holding basin.

Services include:

1. Bid Documents
 - a. Specification deliverables for City review will be provided in 8 ½" x 11" format. All drawing deliverables will be provided in 11" x 17" format. An electronic version in pdf format will also be provided for each submittal a minimum of one (1) week before Design Review Meeting.
 - b. Contract Drawings. The following drawing sheets are anticipated:
 - Cover Sheet
 - Legend
 - Site Plan and Access
 - Excess Flow Holding Basin Plan
 - Excess Flow Holding Basin Section (2 sheets assumed)
 - Diversion Structure Plan, Section, Details
 - Excess Flow Holding Basin Outfall, Plan, Section, Details
 - Standard Details (4 sheets assumed)
 - Erosion Control Plan
 - Erosion Control Details
 - c. Contract Specifications. The following specifications are anticipated:
 - 32 Division 00 Front End Documents
 - 17 Division 01 General Requirements
 - 7 Division 03 Concrete
 - 1 Division 05 Metals
 - 1 Division 07 Thermal Moisture Projection
 - 2 Division 09 Finishes
 - 2 Division 10 Specialties
 - 5 Division 26 Electrical
 - 9 Division 31 Earthwork
 - 2 Division 32 Exterior Improvements

- 6 Division 40 Piping
- d. Engineering Opinion of Probable Construction Cost (EOPCC) for the proposed improvements. Estimate to be based on Class 1 (-5% to 10%) estimating guidelines per ACE International submitted with the final design documents.
 - e. Meet with City in-person to review design documents at 60% and Final stages of completion.
 - f. Perform QA/QC review of 60% and Final Documents.
 - g. Finalize design documents incorporating City's comments from review. Obtain Owner's signature/approval on final drawings. Final plans and specifications shall be provided electronically in pdf format.
 - h. Project Permitting:
 1. City Land Disturbance Permit – HDR will prepare the City application. City responsible for its own permit fees assessed (if applicable).
 2. MDNR (state) NPDES Stormwater Construction Discharge Permit. HDR will prepare a Missouri DNR e-filed stormwater, construction discharge Notice of Intent, prepare E&S control plans and details, and a Storm Water Pollution Prevention Plan (SWPPP).
 3. MDNR (state) Construction Permit – HDR will prepare the application. City responsible for permit fee.

Deliverables:

1. 60% Deliverable including plans and specifications.
2. Final Plans and Specifications for bidding.
3. OPCC

Meetings:

60 % Design Review
 Final Design Review

Assumptions:

1. The adjacent floodplain to the project site is a Zone A floodplain and would not require a CLOMR or LOMR for floodplain permitting.
2. Based upon the preliminary site layout provided for the South LS Development the basin location would not be located in the Zone A floodplain and no floodplain development permit will be required.

TASK 4 – Bidding Phase Services

