

EXHIBIT A to ADDENDUM NO. 6 SCOPE OF SERVICES

This exhibit is hereby attached to and made a part of the On-Call Agreement for Professional Water and Sanitary Sewer Engineering Services (RFQ No.2016-042-2) dated January 13, 2017 between City of Lee's Summit ("Client") and Olsson Associates, Inc. ("Olsson") providing for professional services. Olsson's Scope of Services for the Modification No. 6 of the Agreement is indicated below.

GENERAL

Olsson has acquainted itself with the information provided by Client relative to the project and based upon such information offers to provide the services described below for the project. Client warrants that it is either the legal owner of the property to be improved by this Project or that Client is acting as the duly authorized agent of the legal owner of such property.

PROJECT DESCRIPTION AND LOCATION

Project will be located at: 620 NE Douglas Street, Lee's Summit, Missouri

Project Description: Removal and remediation of existing underground diesel fuel storage tank and replacement with a new above ground storage tank.

COMPENSATION

Client shall pay to Olsson for the performance of the Scope of Services, pursuant to Article IV of the On-Call Agreement. Olsson shall submit invoices on a monthly basis and payment is due within 30 calendar days of invoice date.

Olsson's Scope of Services will be provided on a time and expense basis not to exceed Sixty Thousand, Three Hundred Twenty Dollars (\$60,320.00) without written amendment authorization from the Client.

SCHEDULE FOR OLSSON'S SERVICES

Unless otherwise agreed, Olsson expects to perform its services under the Agreement as follows:

Anticipated Start Date: To be determined upon Client approval

Anticipated Completion Date: Four (4) months following Client approval. Final completion is dependent on receiving State review for tank removal in a timely manner, approximately 90 days.

Olsson will endeavor to start its services on the Anticipated Start Date and to complete its services on the Anticipated Completion Date. However, the Anticipated Start Date, the Anticipated Completion Date, and any milestone dates are approximate only, and Olsson reserves the right to adjust its schedule and any or all of those dates at its sole discretion, for any reason, including, but not limited to, delays caused by Client or delays caused by third parties.

SCOPE OF SERVICES

Olsson shall provide the following services (Scope of Services) to Client for the Project:

Survey Services

Topographic Design Survey

Olsson shall provide a topographic design base file (CAD file only) and boundary information for the area shown on the attached Exhibit A. Survey shall depict all observed evidence of substantial improvements, vertical relief of existing contours at two-foot intervals, and existing feature locations (pavement, buildings, tree mass lines, storm, sanitary sewer structures, pipe sizes, flow lines, and materials). Utility companies will be contacted through Missouri One-Call system and marked utilities will be included on the topographic survey. Horizontal control will be tied to the Missouri State Plane Coordinate System, NAD 1983 West Zone, and vertical control will be referenced to the North American Vertical Datum, NAVD 88.

Title/Property Information

Title report shall be provided by Client for Olsson's review

Paper Sheet Deliverables

Olsson shall provide paper sheet deliverables

Survey Services Fee: \$2,840.00

Geotechnical Services

Site Access, Boring Layout, Utility Locate

Olsson shall coordinate public utility locating services. If private underground utility lines are located at Project site, Olsson must be informed of locations prior to starting field work. Necessary removal of fences or gates, permission to enter the site from current owner or leaseholder, and/or required use permits, must be secured by Client, prior to initiating field activities.

Field Exploration

Olsson shall drill two (2) borings at Project site to depths of 15 to 20 feet below existing ground surface. Borings will be extended to planned depths or practical auger refusal, whichever occurs first. Sampling will be in accordance with standard procedures wherein thin-walled tube samples are obtained at selected locations, and depths in cohesive soils and split-barrel samples are obtained in miscellaneous fill, weathered bedrock, or other hard material. Samples will generally be obtained at 5-foot intervals in the borings. Water levels will be recorded during and immediately following completion of drilling operations. Upon completion, borings will be backfilled with auger cuttings.

Laboratory Testing Program

Olsson shall perform a laboratory testing program wherein unconfined compressive strength, moisture content, and in-place unit weight tests are performed on selected tube samples. Moisture content tests will be performed on split-barrel samples. Atterberg limits tests will be performed on selected samples.

Evaluation and Geotechnical Report

Olsson shall prepare a geotechnical engineering report under the direction of a registered professional engineer, based on findings of the field and laboratory programs and review of past explorations on the site. Report will include a boring location plan, computer-generated boring logs, laboratory testing program results and a description of surface and subsurface conditions encountered on site. The report will present Olsson's opinions and recommendations regarding the following items:

- Generalized geotechnical site preparation concerns addressing fill subgrade preparation, earthwork placement, fill compaction criteria, and suitability of on-site materials for use as structural fill
- Structural slab subgrade preparation
- Lateral earth pressures for cast-in-place concrete retaining walls
- Generalized subsurface drainage requirements
- Seismic site coefficient per the International Building Code
- Global stability analysis on critical wall sections

Geotechnical Services Fee: \$5,000.00

Improvement Design Services

Mechanical/Electrical Design

Olsson shall provide the following construction documents phase services:

- Mechanical engineering services, as required for Project construction including:
 - Preparation of construction documents in Autodesk AutoCAD format, including; above-ground storage tank specification and sizing, fuel line connections between new AST and existing day tank/generator.

Olsson shall provide the following construction administration services:

- Response to written requests for information (RFIs) from Contractor during bidding and construction phases
- Review of shop drawings and other submittals pertaining to Olsson's work
- Review of and response to change order requests

Structural Design

Olsson shall provide the following construction documents phase services:

- Structural engineering services, as required for construction of the Project, including:
 - Preparation of exterior retaining wall and slab construction documents in Autodesk Revit or AutoCAD format, including; foundation plans, sections, details, general notes, and schedules.
 - Wall alignment and profile
- Preparation of a signed and sealed calculation package for submittal, if required.

Olsson shall provide the following construction administration services:

- Response to written RFIs from Contractor during bidding and construction phases
- Review of shop drawings and other submittals pertaining to Olsson's work
- Review of and response to change order requests

Civil Design

Olsson shall prepare site construction plans, inclusive of final site grading, site paving, and utility routing coordination for construction of a proposed above-ground storage tank and associated site improvements. Additional stormwater analysis, site lighting, landscaping, BMP design, and permitting will be considered as additional services.

Technical Specifications

Olsson shall develop relevant technical specifications in CSI, 16-division format for the Project to incorporate into City's bidding and construction documents. Olsson shall submit draft specifications in PDF format and three (3) hard copies for City review and comment.

Quality Control Review

Olsson shall complete an internal quality control review to evaluate Project construction.

Develop Final Plans and Specifications

Olsson shall revise plans and specifications in accordance with review comments received from Client and the quality control review. A total of two (2) revision rounds are anticipated.

Improvement Design Fee: \$18,480.00

Environmental Services

Olsson shall complete the following scope of services:

- File UST Closure Notice with Missouri Department of Natural Resources (MDNR)
- Provide site oversight during excavation activities
- Field screen excavated backfill materials using a photoionization detector (PID).
- Collect four (4) confirmation soil samples from tank sides and ends, two (2) composite samples from excavated materials, one (1) grab sample beneath the dispenser, and ten (10) grab samples from product lines for the following state-certified laboratory analyses: total of seventeen (17) soil samples for Benzene, Toluene, Ethylbenzene and Naphthalene (BTEXN), Method 8260B; Oxygenates, Methods 8260B; Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), Method 8270C; and PAHs, Method 8270C.
- Prepare final closure report and submit to MDNR for review and issuance of a no further action letter

Olsson's MBE team subcontractor, Genesis Environmental, shall complete the following Scope of Services:

- Request utility locates with Missouri One Call
- Fence work area with construction fencing for duration of Project
- Tank Removal
 - Mobilize required equipment, material, and personnel to Project site
 - Saw cut, break, and remove up to 100 square feet of concrete over existing tank and 600 square feet at lines/vents
 - Excavate pit to uncover UST and stockpile all soil on site on 6 mil plastic, for return once closure activities are complete
 - Pump and remove residual tank contents (up to 150 gallons), containerize into drums, and label containers "pending analysis" with date and location. Additional tank contents shall be billed at unit rates (see attached rate sheet).

- Vent and monitor tank interior for explosive vapors; once clear, clean tank interiors while continuing to monitor vapors, lift tanks from pit, cut access/demo holes in tank ends, and clean tanks
- Containerize sweeps (up to 50 gallons), label containers “pending analysis” with date and location
- Product Line Removal
 - Excavate, remove, and dispose of up to 200 linear feet of product and vent lines and dispenser. All excavated material will be stockpiled for return to excavation upon completion.
- Backfill
 - Once cleared for backfilling, return stockpiled material to tank pit and product lines. Genesis will provide and place limestone screenings as additional fill for tank displacement and pavement removal at a maximum of 49 tons additional backfill. Backfill will be bucket compacted using hydraulic excavator in 6 to 12 lifts.
 - No top soil, seed, or new pavement is included. All disturbed areas will be backfilled to existing grade with limestone screenings.
- MDNR
 - Genesis shall assist Olsson in collection of soil samples
 - All other closure notices, reports, analytical, et cetera, are not included within this Scope of Services

Environmental Service Fee: \$29,000.00

Bid Phase Services

Olsson shall assist the Client in the following bidding phase services for the Project:

- Arrange for preparation and distribution of bid documents to prospective bidders. Plans will be distributed through Drexel Technologies.
- Answer bidder’s questions regarding construction documents
- Prepare and distribute addenda to Bidders, if required
- Attend Project bid opening

Bid Phase Services Fee: \$5,000.00

TOTAL PROJECT SERVICES: \$60,320.00

ASSUMPTIONS

- Field oversight will require no more than five (5) days
- Buried tank never contained any product other than diesel fuel and the only Contaminants of Concern (COC) will consist of BTEXN, oxygenates, TPH-DRO, and PAHs
- No more than 17 soil samples will be collected (if more are required, this will incur an additional cost)
- All soil sample results will be below MRBCA default target levels
- No more than 200 cubic yards of backfill material and/or native soils will be removed during tank removals; and excavated material can be returned to the excavation pit. If PID readings indicate presence of Volatile Organic Compounds (VOCs) in the excavation pit, native soils will be over-excavated until floor and sidewalls no longer exhibit PID readings; and excavated material will be staged on-site atop plastic until laboratory analyses results are received, and proper off-site disposal arrangements can be made.
- No ecological risk assessment will be required or performed
- Groundwater will not be encountered in the excavation
- Bedrock will not be encountered in the excavation
- Compaction testing is not required and shall not be provided
- Excavation, loading, transportation, and/or disposal of petroleum contaminated soil will be provided on a per unit rate basis, per attached rate sheet
- Unit rates for materials are estimated; actual quantities will be billed at the unit rate listed for each item, per attached rate sheet

EXCLUSIONS

- Removal of any above-ground product lines, supply reels, controls, et cetera
- Base bid excludes excavation, disposal, or handling of contaminated soil or water
- Excavation or removal of bedrock or relocating and or supporting of underground utilities
- Shoring, stabilization, or additional work related to unstable soils or groundwater.
- Pumping, hauling, and disposal of groundwater from Project site
- Permits and/or fees associated with disposal of materials not specifically mentioned herein
- Weather related delays or activities beyond Olsson's control
- Removal of tank pad beneath tank, if such exists. Tank pad investigations, remediation, excavation, and/or disposal.
- Performance and payment bond available upon request for additional 2.5% (Environmental Services)
- Transportation and disposal of lined or fiberglass USTs
- Additional items not specifically included in this Agreement

ADDITIONAL SERVICES

- Land survey, easement preparation, or other survey services
- Construction administration, management, or observations.
- Additional design or coordination meetings with other parties beyond those listed within this Scope of Services
- Revisions of drawings, specifications, or other documents, when such revisions are required by changes to previously approved designs
- Services of certified construction cost estimator

Should Client request work in addition to the Scope of Services, Olsson shall invoice Client for such additional services (Optional Additional Services) at the standard hourly billing labor rate charged for those employees actually performing the work, plus reimbursable expenses if any. Olsson shall not commence work on Optional Additional Services without Client's prior written approval.

Olsson agrees to provide all of its services in a timely, competent and professional manner, in accordance with applicable standards of care, for projects of similar geographic location, quality and scope.

EXHIBIT A



Environmental Services Rate Sheet

Direct loading, hauling, and disposal of special waste solids:	\$60.00/ton
Loading from stockpile, hauling, and disposal of special waste solids:	\$66.00/ton
Overburden excavation and segregate:	\$11.20/cy
Replace segregated material in pit:	\$13.40/cy
Additional drum disposal:	\$165.00/each
Pump Ground Water:	\$0.25/gallon
Recycle Petroleum Impacted Water (up to 1,500 gal):	\$1.75/gallon
Bulk recycle fuel impacted water:	\$0.88/gallon
Provide and compact in place additional limestone screenings:	\$33.75/ton
Saw cut, break, remove, transport and dispose concrete:	\$4.40/sf
Additional Soil Samples:	\$265.00/sample