

# **Request for Proposals**

**FOR**

**DEMOLITION AND SITE RESTORATION OF  
THE FORMER JAMESTOWN MALL PROPERTY IN ST. LOUIS  
COUNTY**

## **Addendum No. 1**

Date: May 15, 2023

### **REVISIONS FROM ORIGINAL RFP**

#### **Revision to Attachment 4 of the Original RFP:**

Demolition Specification Sheet C-2.1 of Attachment 4 “Building and Site Demolitions Plans and Site Restoration Plans” shall be deleted in its entirety and replaced with Demolition Specification Sheet C-2.1 attached hereto.

**No other provisions of the RFP are affected by this addendum. All other terms and conditions from the RFP shall remain in effect.**

**SHEET C-2.1**  
**See attached.**



GEORGE M. STOCK E-25116  
CIVIL ENGINEER  
CERTIFICATE OF AUTHORITY  
NUMBER: 02599

REVISONS:

1	Sub. Co. Comments	8.13.2022
1	Rev. Specs	3.08.2023
3	Added Specs	5.12.2023

DRAWN BY:	J.E.F.	CHECKED BY:	G.M.S.
DATE:	03/09/2022	JOB NO.:	217-6171.1
SCALE:	AS SHOWN	BASE MAP:	06-F
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DEMOLITION SPECIFICATION SHEET

SHEET NO. C-2.1

**DEMOLITION OF BUILDING STRUCTURES**

**1.01 SECTION INCLUDES**

- A. Demolition of Building Structures
- B. Site Backfill, Grading, and Clean-Up
- C. Protection of Public and Private Utilities
- D. Soil Surface Restoration

**1.02 DESCRIPTION OF WORK**

Unless directed otherwise in the Contract Documents, the Contractor shall:

- A. Remove and properly dispose of the "entire" building (all structures, main, building debris, equipment, rubbish, basement walls, floors, foundations, sidewalks, steps and driveways) from the specified parcel.
- B. Remove any fuel tanks, outdoor toilets and septic tanks, cisterns, meter pits, and plug or abandon wells.
- C. Remove and disposal of all materials from the demolition site in accordance with federal, state and local regulations.
- D. Remove and dispose of all appliances and other items that may contain refrigerants in accordance with 40 CFR, Part 82. Appliances and other items that may contain refrigerants include, but are not limited to, refrigerators, freezers, dehumidifiers and portable or central air conditioners. A tag must be required for all hazardous waste material disposal.

Effluent and leachate disposal of any remaining retaining-contaminating materials including: hazardous, high-priority solid, mercury vapor, metal flake, slag, and other materials containing a liquid liquid cap. PCB-containing materials include capacitors, ballasts, and transformers while the contractor is contained within a metal jacket and does not have a specific, legible label stating no PCBs are present.

F. Discarded and cap all utility services before demolition.

G. Perform site clearance, grading and restoration.

H. Complete the demolition work in accordance with the plans and these technical specifications and any special provisions included in the Contract Documents.

I. In no time shall demolition debris be hauled on the property or be brought in and used as backfill. Contractor shall obtain all necessary permits for execution of demolition work and provide copies to owner.

**1.03 PROTECTION OF THE PUBLIC AND PROPERTIES**

**A. Littering Streets**

1. The Contractor shall be responsible for removing any demolition debris or mud from any public or private street, alley or right-of-way resulting from the execution of the demolition work. Any cost incurred by St. Louis County in cleaning up any debris or mud shall be charged to the Contractor and be deducted from funds due for the work.
2. Littering of the site shall not be permitted.
3. All waste materials shall be promptly removed from the site.

**B. Street Closure**

1. If it should become necessary to close any traffic lanes, it shall be the Contractor's responsibility to obtain necessary permits and approvals from the appropriate jurisdiction. Contractor shall be responsible for submitting traffic control plans created in accordance with the current version of the M.U.T.C.D. and reviewing any necessary based jurisdictional review.
2. Private street or lane closures shall be coordinated with the appropriate right-of-way jurisdiction.

**C. Protection of the Public and Property by the Contractor**

1. The Contractor shall be responsible for any damage to existing improvements, including adjacent structures, adjacent to the demolition site. The Contractor shall be responsible for the execution of the demolition work. The cost of repair or replacement shall be considered incidental to the work of the Contractor and shall be included in the contract price.
2. Pedestrian Access: It shall be the Contractor's responsibility to place and maintain the necessary warning signs, barricades, cones and temporary pedestrian detour signs, as directed by St. Louis County and to maintain adequate pedestrian access for debris around the demolition site. The cost of these items shall be considered incidental to the work.
3. Temporary Fence: Temporary fence shall be erected around all excavation, dangerous buildings or structures to prevent access to the public. Such fence shall be at least four feet high, consistently resistant from top to grade, and without horizontal openings wider than two inches. The fence shall be removed before demolition and shall not be removed until the hazard is removed.

**D. Demolition Hours**

1. The Contractor shall comply with any restrictions on working hours as indicated in the Contract Documents.
2. The Contractor shall comply with all applicable ordinances and restrictions of St. Louis County.

**E. Noise Pollution: All construction equipment used in conjunction with this project shall be in good repair and adequately maintained. The Contractor shall comply with any noise pollution requirements of St. Louis County.**

**F. Dust Control: The Contractor shall comply with applicable air pollution control requirements of St. Louis County. The Contractor shall take appropriate actions to minimize atmospheric pollution. To minimize atmospheric pollution, St. Louis County shall have the authority to require reasonable precautions to be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to:**

1. The use of water or chemicals to control dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land.
2. Covering, at all times when in motion, open-loaded trucks transporting materials to give them a surface dust.

**G. Requirements for the Reduction of Fire Hazards**

1. Removal of Material: Before demolition of any part of any building, the Contractor shall remove all hazardous materials, such as asbestos, lead-based paint, mercury, benzene, cleaning fluids, paints or finishes in containers, and similar substances.
2. Fire Extinguishing Equipment: The Contractor shall be responsible for having and maintaining the correct type and amount of fire extinguishing equipment on the site. When a cutting torch or other equipment that might cause a fire is being used, a fire extinguisher shall be placed close at hand for instant use.
3. Fires: No fire of any kind will be permitted in the demolition work area.
4. Hydrants: No material containers or debris shall be placed or allowed to accumulate within fifteen feet of any fire hydrant. All fire hydrants shall be accessible at all times.
5. Debris: Debris shall not be allowed to accumulate on roofs, floors, or in areas outside of and around any structure being demolished. Excess debris and materials shall be removed from the site as the work progresses.
6. Telephone Service: The Contractor shall arrange for access to and use of, during working hours, one or more telephones in the vicinity of the work site for the purposes of making calls in case of fire or other emergencies, and shall keep all personnel on the job, and St. Louis County informed of the location of such telephones. The Contractor's location, or at least one regular meter phone call, shall be charged with the responsibility of promptly calling emergency services when necessary. The same person shall be required to register the building and the site location for possible fires or fire-protection conditions and to apply appropriate corrective action, particularly in the case of work on day.

**H. Protection of Public and Private Utilities: The Contractor shall not damage existing the meters, street lights, traffic signals, power poles, telephone poles, fire alarm boxes, wire cables, pole guy, underground utilities or other appurtenances in the vicinity of the demolition site. The Contractor shall be required to register the building and the site location for possible fires or fire-protection conditions and to apply appropriate corrective action, particularly in the case of work on day.**

**I. Protection of Adjacent Property**

1. The Contractor shall not damage or cause to be damaged any public right-of-way, structures, parking lot, drives, streets, sidewalks, utility lines, trees or any other property adjacent to parcels retained for demolition whether or not the property is scheduled for future demolition. The Contractor shall provide such shielding and shoring as required to protect adjacent property during demolition. Care must be taken to prevent the spread of dust and flying particles.
2. The Contractor shall restore existing agricultural tiles or roadway sidewalks that are not or removed, including installing backfill, to original condition. Repairs shall be subject to approval by the property owner where applicable, and by St. Louis County.

**1.04 RISK OF LOSS**

The Contractor shall accept the site in its present condition and shall inspect the site for character and the type of structures to be demolished. St. Louis County assumes no responsibility for the condition of existing buildings, structures, and other property within the demolition area, or the condition of the property before or after the initiation for proposals. No adjustment of proposal price or allowance for time change in conditions that occur after the acceptance of the lowest responsible, responsible proposal will be allowed.

**1.05 PROPERTY OWNERSHIP**

**A. Title:** The property address, legal description, and ownership will be included in the Contract Documents. Upon execution of the contract by the Contractor, the Contractor shall clear all of any part of the demolition area, all rights, title, and interest of St. Louis County in and to buildings, structures and other property on the site. The Contractor shall be responsible for the removal of all materials and debris from the site in accordance with the Contract Documents and contract addendum items, which shall be deemed to be waived in the Contract Documents.

**B. Limit:** No property rights, title, or interest of any kind whatsoever, in or to the land or premises upon which such building or structures stand, shall be transferred to the Contractor, conveyed, granted, or transferred to the Contractor, or any other person or persons, except only the fee and right of title, which shall be deemed to be waived in the Contract Documents. Contractor shall not take the land or premises, or allow any other party to take the land or premises, for any purpose other than activities in direct support of the demolition of the building.

**1.06 VACATING OF BUILDINGS**

The structures identified in the Contract Documents shall be vacated before a Notice to Proceed is issued and the Contractor begins work. In case the Contractor finds that any structure is not vacated, the Contractor shall immediately notify St. Louis County, and shall not begin demolition or site clearance operations on such property until further directed by St. Louis County. The Contractor's responsibility for such buildings will begin only after St. Louis County issues a Notice to Proceed the Demolition Order. No claim for extension of time or increase in cost will be considered because of occupancy of any buildings. In case such occupancy is prolonged, St. Louis County reserves the right to demolish the structure from the work.

**1.07 RELEASE OF BUILDINGS**

The demolition area shall be released to the Contractor upon Notice to Proceed. Said Notice to Proceed shall give any assurance of the demolition and the portion of work that is available to be released. If all areas are ready at the same time, St. Louis County shall approve any change in the sequence. The Contractor shall have full control of the demolition project and shall be responsible for the provisions of the Contract Documents.

**1.08 PERMITS AND FEES**

The Contractor shall obtain all the necessary permits and pay all permit fees that are required by the St. Louis County and other applicable jurisdictional agencies.

**1.09 MEASUREMENT AND PAYMENT**

**A. Incidental Cost:** The Contractor shall provide and pay for all materials, labor, tools, equipment, transportation, temporary construction, cleanup, taxes, fees, permits and other expenses necessary to complete the work in accordance with the plans and specifications.

**B. Lump Sum Payment:** The Contractor will be paid the lump sum price for all items satisfactorily completed.

1. Demolition Work: The Contractor shall be paid the lump sum price for demolition as indicated in the proposal. The Contractor shall be responsible for the demolition of all structures, including but not limited to, buildings, foundations, sidewalks, steps and driveways from the site; disposal of all debris, including and not limited to, hazardous materials, trash grading of disturbed areas; planting and removing safety fencing; and removal of septic tanks and cisterns.
2. Seeding Work: The Contractor shall be paid the lump sum price for seeding as indicated in the proposal and as approved by St. Louis County. This payment will be made in full upon completion of the seeding, including but not limited to, seed, fertilizer and mulch, maintenance, and guarantee for completed seeded areas, as specified in the Contract Documents. Seeding will be considered complete when vegetation is sufficiently established and SWPP measures are approved.

Acceptance and payment of the seeding work shall also be defined as an acceptance of the work as complete in accordance with the Contract Documents. The maintenance period under the seeding work shall begin on the issuance of the certificate for payment of the seeding work.

**PART 2 - PRODUCTS - NOT APPLICABLE**

**PART 3 - EXECUTION**

**3.01 DEMOLITION SCHEDULE**

The Contractor shall be responsible for providing the St. Louis County with a minimum of 72 hours advance notification prior to beginning the execution of demolition of any structure.

**3.02 SALVAGE OF DEMOLITION MATERIALS**

- A. The Contractor shall be allowed to salvage demolition materials only from the project property owned by St. Louis County. The property remaining will be owned by the Contractor.
- B. The Contractor may salvage demolition materials on St. Louis County-owned properties as long as the demolition is completed within the completion provisions included in the Contract Documents. All buildings, building materials, and equipment remaining shall be removed and become the property of the Contractor, and shall be removed from the premises at the Contractor's expense. Salvaged materials shall be removed immediately from the premises, right-of-way, streets or alleys.

**3.03 DEMOLITION AND REMOVALS**

**A. Structural Parts of Buildings**

1. No wall or part thereof shall be permitted to fall unaided from any building except through or by other controlled means or methods, which will ensure safety and minimize dust, noise and other nuisance.
2. Subject to state restrictions, outside chimneys or outside portions of chimneys shall be removed in advance of general demolition of each building. Any portion of a chimney inside a building shall be removed as soon as it becomes unsupported by reason of removal of other parts of the building.
3. Any part of a building, whether structural, utilitarian, or accessory which has become unstable through removal of other parts, shall be removed as soon as practicable and in such a manner as to prevent the building from becoming a hazard to the public or adjacent property. The Contractor shall ensure that no basement excavation will remain open and exposed for more than 24 hours.

**B. Concrete Slabs:** The Contractor shall remove all concrete slabs, asphalt, surface treatments, masonry tiles and appurtenances.

**D. Retaining Walls:** Retaining walls or curbs near the perimeter of parcels shall be removed unless otherwise indicated in the Contract Documents. The Contractor shall employ hand labor or other suitable tools and equipment necessary to stabilize the work without adjacent public or private property. Where such retaining walls or curbs are removed, the embankment shall be graded to a slope not greater than 3:1 horizontal vertical or less per parcel. The cost of any tree or brush removal due to the removal and grading of all of the retaining wall shall be considered incidental to the work and shall be included in the lump sum bid or contract price.

**E. Fences:** Fences, guardrails, bumpers, signs, bollards, and similar facilities shall be completely removed from the site, except fences on the adjacent boundary between a contract parcel and an improved non-contract parcel shall be removed unless specifically stated in the special provisions. All posts for support shall be pulled out or dug up so as to be entirely removed.

**F. Partially Buried Objects:** All piping, wells, reinforcing bars, anchor bolts, ratings and all other buried objects protruding from the ground shall be removed. The remaining work shall be filled with soil and compacted in accordance with these specifications.

**G. Vegetation:** The Contractor shall remove all dead trees, trees identified for removal, stumps, all trees which are not an asset to the property, bushes, vegetation, brush and weeds, whether standing or fallen, unless specifically stated otherwise by St. Louis County. The Contractor shall protect all trees not removed from damage by the demolition operation. In the event that the Contractor damages a tree, it shall be repaired or removed by the Contractor as directed by St. Louis County.

**H. Fuel Tanks:** Fuel tanks, above or below ground, shall be carefully removed and disposed of in a safe manner in accordance with the State Fire Marshal's regulations and those of the Missouri Department of Health and Environment.

**I. Fuel Tanks:** Fuel tanks, above or below ground, or tanks which have been used for the storage of gasoline, kerosene, benzene, oils or similar volatile materials shall be carefully removed and disposed of in a safe manner. The time, place, and manner of disposal will be as set forth in the Contract Documents.

**J. All other tanks or receptacles shall be purged out or emptied in a safe manner, and then shall be flushed out immediately with water, carbon dioxide or nitrogen gas until they are gas-free when checked with a "gas analyzer" or other equally efficient instrument, before the work of removal is begun. Checking with the "analyzer" shall be done in the presence of the St. Louis County or other designated contractor's competent personnel.**

**I. Outdoor Toilets and Septic Tanks:** Outdoor toilets and septic tanks shall be purged out by a licensed company. The toilet building or septic tank shall be demolished and removed from the site. The excavation or pit shall be backfilled and compacted in accordance with these specifications. Septic tanks shall be removed and disposed of in a safe manner. The site of the excavation filled in accordance with the requirements of St. Louis County.

**J. Cisterns and Meter Pits:** Cisterns and meter pits shall be demolished and removed. The excavations shall be backfilled and compacted in accordance with these specifications.

**3.04 WELL PLUGGING AND ABANDONMENT**

All wells shall be plugged and abandoned in accordance with the Missouri Division of Water Resources regulations. A well plugging report (MOI 780-1603) must be filed and a copy of the report sent to St. Louis County. Please refer to the State Rules and Regulations (19 CSR 23.3.110, RSMo 256.000 to 256.640) to be completed.

**3.05 DISPOSAL OF DEMOLITION DEBRIS AND SOLID WASTE**

Debris, all materials, rubbish, and trash shall be removed from the demolition areas leaving the basements and demolition areas free of debris. Any cost incurred by St. Louis County in cleaning up such materials and debris left behind shall be deducted from funds due the Contractor under this contract.

**A. Disposal of Demolition Debris and Solid Waste:** All debris and solid waste shall be delivered by the Contractor to an approved disposal facility licensed in accordance with state and local regulations, laws, and zoning. The Contractor shall be responsible to pay all fees for waste disposal. The Contractor shall submit to St. Louis County copies of all disposal tickets for each material, whether or not the material is hazardous. The tickets shall include the origin of the debris associated with each ticket. The cost of all disposal fees shall be considered incidental to the demolition.

**B. Asbestos Abatement:** The handling of asbestos material is subject to all applicable state and federal mandates, known asbestos-containing material have been removed from existing structures by a licensed abatement contractor under a separate contract. In the event that asbestos is discovered on the property during demolition, the Contractor shall notify St. Louis County and the asbestos shall be removed by a licensed abatement contractor for contract or in accordance with the special provisions.

**C. Demolition of Structures with Transite Siding:** Partially owned properties containing transite siding shall be listed in the Contract Documents, and all demolition debris from these structures shall be disposed of at an approved landfill. The Contractor shall be responsible for notifying said landfill prior to commencing demolition of these structures to allow for authorization to dispose of material at the landfill. The Contractor shall assume responsibility for the landfill fees for disposing of the demolition debris. All structures with transite siding shall be thoroughly sprayed with water during the execution of the demolition to contain airborne particles. All debris shall be thoroughly wetted prior to transporting to the landfill.

**D. Fumes Removal and Disposal:** The handling of fumes containing asbestos is subject to all applicable state and federal mandates and regulations. The Contractor shall be responsible for the identification and removal and disposal of the material in accordance with applicable regulations. All costs associated with said removal and disposal shall be considered incidental and shall be included in the lump sum bid for demolition.

**EPCB and Mercury Removal and Disposal:** The handling of any fluorescent lighting fixtures and ballasts containing PCB or mercury is subject to all applicable state and federal mandates and regulations. The Contractor shall be responsible for the identification and removal and disposal of the material in accordance with applicable regulations. All costs associated with said removal and disposal shall be considered incidental and shall be included in the lump sum bid for demolition.

**3.06 BACKFILL, GRADING, AND CLEAN UP**

**A. Additional Fill Material:** All additional fill material shall be as indicated within the contract drawings and the rubble or organic matter. The Contractor shall provide for the removal and disposal of all fill material in accordance with applicable regulations. There shall be no payment for additional fill material, which shall be considered incidental to the demolition bid price.

**B. Compaction:** All excavations shall be backfilled with acceptable material of fill and organic material. Compaction should be at a rate to minimize settling of the backfilled area.

**C. Hand Labor:** The Contractor shall employ hand labor where the use of power machinery is unsafe or unable to produce a finished job. Hand labor shall not be used to clean the site of any debris.

**D. Grading:** The site shall be graded to conform to all surrounding areas and shall be treated to have a uniform surface that will not permit ponding of water. The Contractor shall grade and slope the site to drain, complete the grading and final clean-up as part of the lump sum price for demolition.

**E. Final Cleaning Up:** Before acceptance of the demolition work, the Contractor shall remove all unused material and rubbish from the site of the demolition work. Under acceptable conditions the Contractor may have created on private property, and leave the right-of-way in a neat and presentable condition. The Contractor shall be responsible for the removal of all unused material to be removed from private property. All ground occupied by the Contractor in connection with the work shall be restored. Restoration shall include appropriate seeding to the original contour and stabilization as indicated on the contract drawings.

**F. Contractor to prevent erosion runoff and sediment transport from the project site using best practices soil fence, silt fence and other measures.**

**3.07 SANITARY SEWER AND WATER SERVICE DISCONNECTIONS**

**A. Sanitary Sewer Service Disconnections:** All sanitary sewer connections shall be disconnected and plugged in accordance with the Metropolitan St. Louis Sewer District Sanitary sewer abandonment must be completed by a licensed plumber, and inspected by the Metropolitan St. Louis Sewer District. A separate, prior to demolition or excavation.

**B. Service Disconnection:** All water services and abuts for the buildings or properties within the demolition work shall be disconnected by a licensed plumber and inspected and approved by St. Louis County prior to demolition or excavation.

**3.08 BACKFILL AND CONNECTION WITHIN CURB RIGHT-OF-WAY:**

1. Streets: Unless stipulated otherwise in the Contract Documents, the Contractor shall backfill, compact as specified and patch the surface of all excavations made in streets. The cost shall be paid by the Contractor.

2. County Right-of-Way: All areas within the County right-of-way (including parking and sidewalk areas) shall be completed in accordance with St. Louis County regulations, graded and sealed.

3. County Right-of-Way: All areas within the County right-of-way (including parking and sidewalk areas) shall be completed in accordance with St. Louis County regulations, graded and sealed.

**3.09 SEEDING**

1. If applicable: Specifications will be stated.

**3.10 SAFETY AND FENCING**

**A. Safety:** The Contractor shall comply with all applicable current federal, state and local safety and health regulations.

**B. Safety Fencing:** The Contractor shall furnish and place a safety fence around the site of the work adjacent to access the demolition site, including any existing debris or excavation, and to prevent pedestrian access. The fencing, including all materials, shall be considered incidental to the demolition. The safety fence shall remain in place until the demolished materials are removed from the site and all holes or excavated areas are backfilled. The fencing material shall remain the property of the Contractor.

**3.11 AUTHORIZED WORKERS**

Only the Contractor and its employees are allowed to demolish, dismantle, detach or dispose of any part of the demolition structure or its contents.

**3.12 DAILY CLEAN UP OF RIGHT-OF-WAY AND PRIVATE PROPERTY**

At the end of each workday, the Contractor shall clean streets, sidewalks, and adjacent areas of the work site.

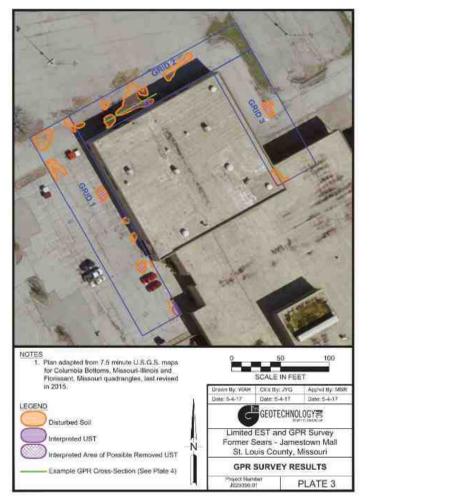
**PART 4 - SITE SPECIFIC ITEMS**

4.01: Remaining ACM - 1300 linear feet of black flashing tar on the roof of May's and 500' of flashing tar on Dilard's. A note should be put into the drawings so the demo contractor is aware of the asbestos containing flashing tar on the roof of both structures. Below is a narrative by the demolition crew:

Non-flammable asbestos containing roofing flashing exists on the roof of the May's and Dilard's. These non-flammable materials could not be abated due to the structural issues of the roofs. The demolition Contractor must ensure that all non-flammable materials are kept safe during the demolition activities and that they are removed in as large pieces as possible and placed directly into the roll-off dumpster or dump truck. Based on their own risk-based characteristics, these materials can be disposed of as general Contractor and Demolition Waste at a licensed disposal facility which is capable of accepting such waste.

The hydraulic lifts are located within the Sears Auto Repair center as shown on the attached aerial. During demolition activities, contaminated dust may be released from the hydraulic lifts. All hydraulic lifts shall be completely cleaned and the hydraulic fluid shall be collected at a rate of one sample per every 100 cubic yards of stockpiled soil and analyzed for benzene, toluene, ethylbenzene, xylene, naphthalene (BTEX), organohalogenated polychlorinated biphenyls (PCBs) and total petroleum hydrocarbons (TPH) gasoline range organics (GRO), diesel range organics (DRO) and oil range organics (ORO). Should analytical results exceed the Missouri Department of Natural Resources (MNR) Initial Target Levels (ITL), the soil should be properly disposed of at an acceptable landfill. Should the analytical results be below DTU, the soil can be reused on site.

The attached figure produced from the GPS survey, shows the potential location of a remaining UST system. Prior to demolition activities, excavations should occur to investigate the presence of the UST system. Attached is a narrative we typically use for UST handling during demolition.



**UNDERGROUND STORAGE TANKS REMOVAL**

**1.1 SUMMARY OF WORK**

Prior to commencement of demolition activities at the Sears building, excavation should occur in the area of the potential UST system as shown on the GPR Results figure. If present, the Contractor will be responsible for properly removing and disposing of liquid or sludge associated with the UST system.

In addition to removing the UST system, the Contractor is responsible for assisting the Consultant, when requested, in collecting closure samples from the UST excavation and pipe trenching.

The Contractor shall be responsible for temporarily storing and disposing of all products and/or waste resulting from this task. The Contractor will be responsible for completing the necessary waste profiles, manifests, and any other documentation relative to the disposal. The Contractor, at the Contractor's expense, shall also be responsible for collecting and analyzing samples necessary to meet the landfill waste characterization requirements.

If UST's are encountered, the Contractor should immediately notify the Owner or their Consultant. No additional UST removal activities should be performed without the Owner or Consultant's approval. Additional UST removal activities, if required, shall be performed in accordance with this specification. The Contractor must address the additional UST's, if encountered, within 5 days of receiving approval from the Consultant. All subcontractors must be preapproved prior to beginning work on the site.

**1.2 SUBMITTALS, NOTIFICATIONS, AND DELIVERABLES**

The Contractor shall submit in writing a qualifications statement showing their experience or their selected Subcontractor's experience with UST removals in the State of Missouri.

**A. The following documents should be provided to the Consultant no later than 15 days prior to beginning this task. No work shall begin without approval from the Consultant.**

- I. All necessary permits and certifications of waste haulers and disposal facilities associated with disposing of the tanks and associated piping and impacted soils and liquids.
- II. Copies of the permits as required by St. Louis County, Fire Marshall and utility bodies.

**B. The following documents should be provided to the Consultant no later than 15 days following the completion of this task.**

- I. A copy of the terminated waste manifests for each lot of transported material.
- II. A Certificate of Cleaning and Destruction for the UST's and associated piping and equipment.

**C. Other documents that should be provided to the Consultant for review include:**

- I. Hard copies of all waste profiles, manifests, or other documentation associated with the transportation/disposal of products or wastes associated with the UST removal should be provided prior to submission to the applicable disposal facility.
- II. The Contractor must provide a written request for visual inspection and work area clearance to the Owner or their Consultant.

**1.3 GENERAL REQUIREMENTS**

A. The Contractor is responsible for taking all necessary steps to ensure that no UST contents are released to the environment during excavation, cleaning, and removal activities. To ensure safe removal of the UST systems, the Contractor is responsible for compliance with all applicable state and local requirements for UST removal, including the Missouri Department of Natural Resources - Missouri Risk-Based Corrective Action (MRBCA) Process for Petroleum Storage Tanks, January 2004, Section 4.5, "API Recommended Practice 1604, "Closure of Underground Petroleum Storage Tanks", and (if any tanks are entered and cleaned) API Standard 2015-2010 "Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks".

B. The Consultant shall perform the clearance soil sampling and closure reporting to the MNR. The Contractor shall provide the necessary equipment and provide the Consultant with assistance in collecting soil samples at the time of UST removal. As detailed below, the Contractor shall perform waste characterizations for the impacted soils, residues, sludges, residues and liquids to meet all applicable waste disposal/transportation requirements as provided within the specification.

C. The Contractor is responsible for acquiring all licenses required for Contractors engaged in UST removals in the state of Missouri and St. Louis County.