#### April 8, 2024

#### **ADDENDUM NO. 1**

RE:	American Legion Park Demolition Glasgow, Kentucky Project No. 23080	
FROM:	Brandstetter Carroll Inc. 2360 Chauvin Drive Lexington, Kentucky 40517 Phone 859-268-1933 Fax 859-268-3341	
TO:	Plan Holders	

This addendum forms a part of the Construction Documents and modifies the original bidding documents dated March 25, 2024. Each bidder shall acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of two (2) pages plus four (4) reissued drawings, two (2) documents, and four (4) specification sections.

#### GENERAL:

- 1. Response to Planholder's questions:
  - a. Is the parking lot adjacent to the pool house and bordering Happy Valley Road to be demolished and removed as a part of this bid? Response – Yes.
  - b. The pool is to be demolished and removed during demolition; however, is a backfill (of dirt or aggregate) of the resulting immense depression (hole) part of the demolition bid, or is this part of the follow-on construction phase of the project? Response – The contractor for the next phase of construction will fill the pool excavation.
  - c. Is the park perimeter fencing to be demolished and removed; the scope of work seems to indicate that, though some fencing will be needed as a site barrier for follow-on phases of the project.
     Response This will be clarified in Addendum #2.
  - d. Do we have to do any fill on this part like or anything and does the property line fence have come out and when does job have to start by Response: No fill is required in this contract. Property fence to be removed will be clarified in Addendum #2. Construction will need to begin as soon as possible to prepare for the next phase of construction.
  - e. I wanted to check in and see if there was a walk through available for the American Legion Park Demolition Project or if it was something that someone of our team could come down and look at? Response: Your team is welcome to visit the site. If you want to get inside the pool fend

Response: Your team is welcome to visit the site. If you want to get inside the pool fence, contact the Parks and Recreation Office at 270-651-3811 or 270-651-9012.

- f. We read through the Sod and Turf section of the bid package and there aren't really any clear amounts or locations of what areas were needing to be sodded vs seeded. Can you clarify how much is needed and where? Response: No seed or sod is required in this phase of the project.
- g. Another question is can the bids be emailed in or do they strictly need to be submitted through the mail?

Response: Mail, overnight delivery, courier, or hand deliver only. No email bids.

 Does anything additional need to be done to the areas that have had bore holes done?
 Bospapper Fill any remaining soil boring holes with earth

Response: Fill any remaining soil boring holes with earth.

#### CHANGES TO SPECIFICATIONS:

- 1. Document 00 4113 Bid Form Stipulated Sum. Addendum 1). Replaced. The Contingency is changed to \$20.000.
- 2. Document 00 4322 List of Unit Prices (Addendum 1)- Replaced.
- 3. Section 01 1000 Summary: Part 1.4/B Add #1. Implementation of the facilities shown on Sheet MP-Master Plan.
- 4. Section 01 3100 Project Management and Coordination. 1.7 Project Web Site. Delete this section. A project web site is not required.
- 5. Section 01- 5000 Temporary Facilities and Controls: Page 2, part 2.2 Field office is optional.
- 6. Section 01 7419-Construction Waste Management and Disposal. Reissued with deletions.
- 7. Section 31 2500 Erosion and Sedimentation Controls (Addendum 1). This section was added.
- 8. Section 32 9200 Turf and Grasses: Reissued with changes.

#### CHANGES TO DRAWINGS:

- 1. Existing Conditions Reissued. Contours did not show on the original set.
- 2. Sheet C-101 SWPPP Details Sheet is reissued.
- 3. Sheet C-102 Demolition Plan Sheet is reissued.
- 4. Sheet C-103 Demolition Plan Sheet is reissued

#### END OF ADDENDUM NO. 1

DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT) (Addendum 1)

#### 1.1 BID INFORMATION

- A. Bidder: \_\_\_\_\_.
- B. Project Name: American Legion Park Demolition
- C. Project Location: 805 Happy Valley Road, Glasgow, Kentucky 42141
- D. Owner: City of Glasgow, Kentucky
- E. Architect: Brandstetter Carroll, Inc.

#### 1.2 CERTIFICATIONS AND BASE BID

A. <u>Base Bid</u>, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Brandstetter Carroll, Inc. and the Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

\_\_\_\_\_ Dollars (\$\_\_\_\_\_).

B. <u>Contingency Allowance</u>:

\$20,000

C. <u>Total Bid</u>: Written Amount

Numeral \$

This offer shall be open to acceptance and is irrevocable for sixty (60) days from the bid closing date.

If the Owner accepts this bid within the time period stated above, we will:

- Execute the Agreement within ten (10) days of receipt of Notice of Award.
- Furnish the required bonds and proof of insurance within seven days of receipt of Notice of Award in the form described in Supplementary Conditions.

If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to the Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

#### 1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within sixty (60) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cashier's check, certified check, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent **5% of the Base Bid** amount above:
  - 1. \_\_\_\_\_ Dollars (\$\_\_\_\_\_).
- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

#### 1.4 SUBCONTRACTORS AND SUPPLIERS

- A. The following companies shall execute subcontracts for the portions of the Work indicated:
  - 1. Pavement Demolition Work: \_\_\_\_\_
  - 2. Tree Removal Work: \_\_\_\_\_\_.
  - 3. Building Demolition: \_\_\_\_\_\_.
  - 4. Site Work: \_\_\_\_\_
  - 5. Utilities Demolition Work:\_\_\_\_\_\_

#### 1.5 TIME OF COMPLETION

A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect and shall fully complete the Work within 90 calendar days.

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#### 1.6 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
  - 1. Addendum No. 1, dated April 8, 2024. \_\_\_\_\_.

#### 1.7 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.
  - 1. Bid Form Supplement Unit Prices.
  - 2. Bid Form Supplement Bid Bond Form (AIA Document A310).

#### 1.8 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in **City of Glasgow** and **Commonwealth of Kentucky**, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

#### 1.9 SUBMISSION OF BID

A.	Respectfully submitted this	day of	, 2024.
B.	Submitted By		(Name of bidding firm or corporation).
C.	Authorized Signature:		(Handwritten signature).
D.	Signed By:		(Type or print name).
E.	Title:		(Owner/Partner/President/Vice President).
F.	Witness By:		(Handwritten signature).
G.	Attest:		(Handwritten signature).
H.	By:		(Type or print name).
I.	Title:		(Corporate Secretary or Assistant Secretary).
J.	Street Address:		
K.	City, State, Zip		
L.	Phone:		
M.	License No.:		
N.	Federal ID No.:		(Affix Corporate Seal Here).

#### END OF DOCUMENT 00 4113

#### DOCUMENT 00 4322 - LIST OF UNIT PRICES (Addendum 1)

#### (TO BE SUBMITTED WITH BID)

The following is the list of Unit Prices referenced in the bid submitted by:

(Project)	American Legion Park Demolition
(Owner)	City of Glasgow
(Bidder)	
Dated	and which is an integral part of the Bid Form.

The following are Unit Prices for specific portions of the Work as listed and are applicable to authorized variations from the Contract Documents.

ITEM DESCRIPTION	UNIT	UNIT PRICE
	QUANTITY	
Tree and Stump Removal	each	
Asphalt Pavement Removal (including		
aggregate base)	s.y.	
Concrete Pavement Removal (including		
aggregate base)	s.y.	
Aggregate Fill #57 Aggregate	ton	
Earthwork – excavated & placed on site	c.y.	

#### END OF LIST OF UNIT PRICES

#### SECTION 01 7419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL(Addendum 1)

#### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Salvaging nonhazardous demolition and construction waste.
  - 2. Recycling nonhazardous demolition and construction waste.
  - 3. Disposing of nonhazardous demolition and construction waste.

#### 1.2 DEFINITIONS

- A. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- C. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.
- F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.

#### 1.3 PERFORMANCE REQUIREMENTS

- A. General: Achieve end of Project rates for salvage/recycling of 75 percent by weight of total non-hazardous solid waste generated by the Work. Practice efficient waste management in the use of materials in the course of work. Use all reasonable means to divert construction and demolition waste from landfills and incinerators. Facilitate recycling and salvage of materials, including but not limited to the following:
  - Demolition Waste:

     a.
     Asphalt Paving

     b.
     Concrete

     2.
     Construction Waste:
    - a. Masonry and CMU

- b. Lumber
- c. Steel and Metals
- d. Wood Sheet Materials
- e. Wood Trims
- f. Roofing
- g. Insulation
- h. Carpet and Pad
- i. Gypsum Board
- j. Piping
- k. Electrical Conduits
- I. Packaging: Regardless of salvage/recycle goal indicated in "General" Paragraph above, salvage or recycle 100 percent of the following uncontaminated packaging materials.
  - 1) Paper
  - 2) Cardboard
  - 3) Boxes
  - 4) Plastic Sheet and Film
  - 5) Polystyrene Packaging
  - 6) Wood Crates and Pallets
  - 7) Plastic Pails

#### 1.4 ACTION SUBMITTALS

A. Waste Management Plan: Submit plan within 30 days of date established for the Notice to Proceed.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit report. Use form acceptable to Owner and Architect for construction waste. Include the following information:
  - 1. Material category.
  - 2. Generation point of waste.
  - 3. Total quantity of waste in tons.
  - 4. Quantity of waste salvaged, both estimated and actual in tons.
  - 5. Quantity of waste recycled, both estimated and actual in tons.
  - 6. Total quantity of waste recovered (salvaged plus recycled) in tons.
  - 7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- B. Waste Reduction Calculations: Before request for Substantial Completion, submit calculated end of Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- C. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.

- D. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- E. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- F. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and

#### 1.6 QUALITY ASSURANCE

- A. Waste Management Coordinator Qualifications: Experienced firm, with a record of successful waste management coordination of projects with similar requirements.
- B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Waste Management Conference: Conduct conference at Project site to comply with requirements in Section 013100 "Project Management and Coordination." Review methods and procedures related to waste management including, but not limited to, the following:
  - 1. Review and discuss waste management plan including responsibilities of waste management coordinator.
  - 2. Review requirements for documenting quantities of each type of waste and its disposition.
  - 3. Review and finalize procedures for material separation and verify availability of containers and bins needed to avoid delays.
  - 4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
  - 5. Review and waste management requirements for each trade.

#### 1.7 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to ASTM E 1609 and requirements in this Section. Plan shall consist of waste identification, waste reduction work plan, and cost/revenue analysis. Distinguish between demolition and construction waste. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
- B. Waste Identification: Indicate anticipated types and quantities of site clearing and construction waste generated by the Work. Use form acceptable to Owner and Architect for construction waste. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Use form CWM-3 for construction waste. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.

- 1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.
- 2. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
- 3. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.
- 4. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
- 5. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
- 6. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location where materials separation will be performed.
- D. Cost/Revenue Analysis: Indicate total cost of waste disposal as if there was no waste management plan and net additional cost or net savings resulting from implementing waste management plan. Use Form acceptable to Owner and Architect for construction waste. Include the following:
  - 1. Total quantity of waste.
  - 2. Estimated cost of disposal (cost per unit). Include the hauling and tipping fees and cost of collection containers for each type of waste.
  - 3. Total cost of disposal (with no waste management)
  - 4. Revenue from salvaged materials
  - 5. Revenue from recycled materials
  - 6. Savings in hauling and tipping fees by donating materials
  - 7. Savings in hauling and tipping fees that are avoided.
  - 8. Handling and Transportation Costs. Include cost of collection containers for each type of waste.
  - 9. Net additional cost or net savings from waste management plan.

#### PART 2 - PRODUCTS (Not Used)

#### PART 3 - EXECUTION

#### 3.1 PLAN IMPLEMENTATION

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
  - 1. Comply with operation, termination, and removal requirements in Temporary Facilities and Control specification.
- B. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.

- Distribute waste management plan to everyone concerned within three days of submittal return.
- 2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- C. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  - 1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
  - 2. Comply with other sections for controlling dust and dirt, environmental protection, and noise control.

#### 3.2 RECYCLING CONSTRUCTION WASTE, GENERAL

A. General: Recycle paper and beverage containers used by on-site workers.

- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall accrue to Contractor.
- C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.
- D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.
  - 1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
    - a. Inspect containers and bins for contamination and remove contaminated materials if found.
  - 2. Stockpile processed materials on site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
  - 3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
  - 4. Store components off the ground and protect from the weather.
  - 5. Remove recyclable waste from Owner's property and transport to recycling receiver or processor.

#### 3.3 RECYCLING CONSTRUCTION WASTE

- A. Asphalt Paving: Break up and transport paving to asphalt recycling facility.
- B. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.

1. Crush concrete and screen to comply with requirements in Earth Moving Specification.

#### C. Packaging:

- 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
- 2. Polystyrene Packaging: Separate and bag materials.
- 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on site, break down pallets into component wood pieces and comply with requirements for recycling wood.
- 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- D. Wood Materials:
  - 1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
  - 2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
- E. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.

#### 3.4 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
  - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Disposal: Remove waste materials and dispose of at designated spoil areas on Owner's property.
- D. Disposal: Remove waste materials from Owner's property and legally dispose of them.

END OF SECTION 01 7419

#### SECTION 02 4119 - SELECTIVE DEMOLITION (Addendum 1)

#### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Demolition and removal of selected site elements.
  - 2. Salvage of existing items to be reused or recycled.

#### 1.2 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
  - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

#### 1.3 PREINSTALLATION MEETINGS

A. Predemolition Conference: Conduct conference at Project site.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Engineering Survey: Submit engineering survey of condition of building.
- B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for dust control and for noise control. Indicate proposed locations and construction of barriers.
- C. Schedule of selective demolition activities with starting and ending dates for each activity.
- D. Predemolition photographs or video.
- E. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician.

#### 1.5 CLOSEOUT SUBMITTALS

A. Inventory of items that have been removed and salvaged.

#### 1.6 FIELD CONDITIONS

- A. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- B. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
  - 1. Hazardous materials will be removed by Owner before start of the Work.
  - 2. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- D. Storage or sale of removed items or materials on site is not permitted.
- E. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  - 1. Maintain fire-protection facilities in service during selective demolition operations.
- F. Arrange selective demolition schedule so as not to interfere with Owner's operations.

#### 1.7 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials and using approved contractors so as not to void existing warranties.

#### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

A. Verify that utilities have been disconnected and capped before starting selective demolition operations.

B. Inventory and record the condition of items to be removed and salvaged.

#### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
  - 1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
  - 2. Arrange to shut off utilities with utility companies.
  - 3. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other buildings.
  - 4. Disconnect, demolish, and remove systems, equipment, and components indicated on Drawings to be removed.
    - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
    - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.
    - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
    - d. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational.
    - e. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner.

#### 3.3 **PROTECTION**

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
- C. Remove temporary barricades and protections where hazards no longer exist.

#### 3.4 SELECTIVE DEMOLITION

A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:

- 1. Use cutting methods least likely to damage construction to remain or adjoining construction. Temporarily cover openings to remain.
- 2. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
- 3. Maintain fire watch during and for at least half hour after flame-cutting operations.
- 4. Locate selective demolition equipment and remove debris and materials.
- 5. Dispose of demolished items and materials promptly.
- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. Removed and Salvaged Items:
  - 1. Clean salvaged items.
  - 2. Pack or crate items after cleaning. Identify contents of containers.
  - 3. Store items in a secure area until delivery to Owner.
  - 4. Transport items to Owner's storage area designated by Owner.
  - 5. Protect items from damage during transport and storage.
- D. Removed and Reinstalled Items:
  - 1. Clean and repair items to functional condition adequate for intended reuse.
  - 2. Pack or crate items after cleaning and repairing. Identify contents of containers.
  - 3. Protect items from damage during transport and storage.
  - 4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
- E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

#### 3.5 CLEANING

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn demolished materials.
- C. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 02 4119

#### SECTION 312500 - EROSION AND SEDIMENTATION CONTROLS (Addendum 1)

#### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Rock materials.
  - 2. Block, stone, aggregate, and soil materials.
  - 3. Planting materials.
  - 4. Pipe materials.
  - 5. Stabilized construction entrances.
  - 6. Filter socks.
  - 7. On-land silt fence.
  - 8. Erosion control blankets.
  - 9. Baled hay-only acceptable in concrete washouts
  - 10. Soil stabilization fabric.
  - 11. Filtration geotextile.
  - 12. Anchoring devices.
  - 13. Accessories.
- B. All items shall meet CITY OF GLASGOW Stormwater Best Management Practices.

#### 1.2 SUBMITTALS

- A. Product Data: Submit data on on-land silt fence, filter socks, erosion control blanket, geotextiles, aggregates, proprietary devices
- B. Stormwater Pollution Prevention Plan (SWPPP) as specified in QUALITY ASSURANCE Article.
- C. Copy of EPA NPDES Notice of Intent to Discharge submitted to the EPA as specified in QUALITY ASSURANCE Article.
- D. Submit name and applicable experience of soil erosion and sediment control manager according to Section 1.5 E.

#### 1.3 SUSTAINABLE DESIGN SUBMITTALS

- A. Product Certificates:
  - 1. For the source and origin for fine- and coarse-aggregate materials.
  - 2. For the source for regional fine- and coarse-aggregate materials, structural concrete, and riprap stone and distance from Project Site.

3. For the source and origin for filtration and stabilization geotextile materials and distance from Project Site.

#### 1.4 QUALITY ASSURANCE

- A. Prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) according to the U.S. Environmental Protection Agency (EPA) National Pollution Discharge Elimination System (NPDES) General Permit applicable to this Work, document number EPA 832-R-92-005, dated 1992 or most recent edition.
- B. Prepare and submit the EPA NPDES Notice of Intent to Discharge to the applicable EPA office according to EPA regulations.
- C. Perform Work according to KYTC and CITY OF GLASGOW standards.
- D. Progress Schedule:
  - 1. Clearly outline intended maintenance of traffic, locations where temporary and permanent soil erosion and sediment control measures will be installed, and such other information as required.
  - 2. Provide special consideration to sensitive areas such as wetlands and waterways.
- E. Soil Erosion and Sediment Control Manager:
  - 1. Assign to the Project a supervisory-level employee to serve in the capacity of soil erosion and sediment control manager. Submit the name and experience of this employee to the Architect/Engineer and Geotech for approval at least 10 working days prior to commencing any Work on the Project.

#### 1.5 FIELD CONDITIONS

- A. Minimum Conditions:
  - 1. Do not place grout when air temperature is below freezing.
  - 2. Do not place concrete when base surface temperature is less than KYTC/CITY OF GLASGOW minimums, or surface is wet or frozen.

#### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Perform Work according to:
  - 1. KYTC
  - 2. CITY OF GLASGOW STORMWATER BEST MANAGEMENT PRACTICES (Available on the City web site)

#### 2.2 SUSTAINABILITY CHARACTERISTICS

- A. Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles Insert list of materials specified in this Section required to be regional materials.
- B. Recycled Content Materials: Furnish materials with maximum available recycled content

#### 2.3 ROCK MATERIALS

- A. Furnish materials according to KYTC and CITY OF GLASGOW standards.
- B. Rock: KYTC definitions

#### 2.4 AGGREGATE AND SOIL MATERIALS

- A. Stone: KYTC approved
- B. Coarse Aggregate: KYTC approved
- C. Soil Backfill: KYTC approved

#### 2.5 PLANTING MATERIALS

A. Seeding and Soil Supplements: Temporary per KYTC and final per 329219 "Landscape Grading"

#### 2.6 STABILIZED CONSTRUCTION ENTRANCES

- A. Stone Size: per KYTC and CITY OF GLASGOW
- B. Length: per KYTC and CITY OF GLASGOW
- C. Thickness: per KYTC and CITY OF GLASGOW
- D. Width: per KYTC and CITY OF GLASGOW
- E. Maintenance: Immediately remove all sediment spoiled, dropped, washed, or tracked onto public rights-of-way.

#### 2.7 FILTER SOCKS

A. Provide a three-dimensional matrix of certified, composted organic material or other organic matter to create a filter medium. Fill the tubular mesh sock with organic filter material of wood chips or mulch that has been screened to remove fines, crushed stone, or gravel. Use crushed stone or gravel when the sock will be used on paved areas where the sock cannot be staked in place. Fill the sock with organic material by blowing the material into the tube with a special pneumatic blower truck or similar device.

- B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include the following: KYTC or CITY OF GLASGOW
- 2.8 ON-LAND SILT FENCE a. KYTC or CITY OF GLASGOW

#### 2.9 EROSION CONTROL BLANKETS

- A. Erosion Control Blanket: a. KYTC or CITY OF GLASGOW
- B. Securement: KYTC or CITY OF GLASGOW

#### 2.10 BALED HAY

A. Provide baled hay erosion checks consisting of new, firm, wire-bound, livestock feed-grade hay bales, employed at locations detailed on the Drawings or as required to perform erosion control. Provide No. 2 pine or hem fir stakes measuring a minimum of 2 inches by 2 inches wide by 48 inches long for staking and securement of hay bales.

#### 2.11 SOIL STABILIZATION FABRIC

- A. Provide soil stabilization fabric consisting of durable woven fabric, resistant to tearing, rot, mildew, and soil chemicals, composed wholly of polypropylene or a combination of polypropylene and other continuous-filament fibers. Provide pore openings permitting drainage.
- B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include the following:
  - 1. ADS.
  - 2. BP-Amoco.
  - 3. Contech.
  - 4. Mirafi.
  - 5. US Fabrics.

#### 2.12 FILTRATION GEOTEXTILE

- A. Provide woven filtration geotextile comprised of high-tenacity, monofilament, 100 percent polypropylene yarns, which resists ultraviolet and biological deterioration, rotting, and naturally encountered basics and acids. Place filtration geotextile on subgrade below riprap stone or as indicated.
- B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include the following:
  - 1. KYTC or CITY OF GLASGOW

#### 2.13 ANCHORING DEVICES

- A. Staples: Must be No. 8 gage steel wire, bent U-shapes with throat width equal to 1 to 2 inches, and effective driving depth of 6 inches or as suggested by the manufacturer.
- B. Sandbags: Must be of proper size to temporarily stabilize fabric; number and weight sufficient to withstand wind speeds of 50 mph.

#### 2.14 ACCESSORIES

- A. Joint Sealers: KYTC Or CITY OF GLASGOW standards
- B. Expansion Joint Filler: KYTC or CITY OF GLASGOW standards
- C. Grout: KYTC or CITY OF GLASGOW
- D. Steel Plate Anti-vortex Device: "Metal Fabrications"
- E. Welding Material: as specified in Section 055000 "Metal Fabrications"
- F. Anti-seep Collar: Provide collar constructed of high-density polyethylene (HDPE). Supply collar with precut and drilled pipe hole and stainless steel bolts and bands for joining of sections.
- G. Trash Rack: as specified in Section 055000 "Metal Fabrications"

#### 2.15 MIXES

A. Concrete: KYTC or CITY OF GLASGOW

#### 2.16 SOURCE QUALITY CONTROL (AND TESTS)

- A. Perform tests on cement, aggregates, and mixes to ensure conformance with specified requirements.
- B. Test samples according to KYTC or CITY OF GLASGOW
- C. Make **rock** available for inspection at producer's **quarry** prior to shipment. Notify Geotech at least seven days before inspection is allowed.
- D. Allow witnessing of inspections and test at manufacturer's test facility. Notify Geotech at least seven days before inspections and tests are scheduled.

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions with Installer and Geotech present for compliance with requirements of KYTC and CITY OF GLASGOW
- B. Verify compacted **subgrade**, **granular base**, **stabilized soil** is acceptable and ready to support devices and imposed loads.

#### 3.2 PROJECT REQUIREMENTS

A. The **Contractor** is responsible for the timely installation and maintenance of all sedimentation control and dewatering devices. Measures listed here and on the Drawings are required to be installed, maintained, removed, and cleaned up at the expense of the **Contractor** 

#### 3.3 INSTALLATION OF DIVERSION CHANNELS

- A. Windrow excavated material on low side of channel.
- B. Compact to 95 percent maximum density.
- C. On entire channel area, apply soil supplements and sow seed as specified in Section 329113 "Soil Preparation" and Section 329200 "Turf and Grasses."
- D. Mulch seeded areas with hay as specified in Section 329200 "Turf and Grasses."

#### 3.4 OUTFALL PROTECTION

A. Construct according to stormwater outfall requirements to indicated shape and depth. Rock courses may be placed in several operations.

#### 3.5 INSTALLATION OF SEDIMENT TRAPS

- A. Clear Site as specified in Section 311000 "Site Clearing."
- B. Construct trap by excavating and forming embankments
- C. Place coarse aggregate or rock at outlet as indicated.
- D. Place geotextile fabric as specified for rock energy dissipator.
- E. When required, obtain borrow excavation for formation of embankment
- F. On entire sediment trap area, apply soil supplements and sow seed.
- G. Mulch seeded areas with straw as specified in Section 329200 "Turf and Grasses".

#### EROSION AND SEDIMENTATION CONTROLS

H. Install Work according to KYTC or CITY OF GLASGOW standards.

#### 3.6 INSTALLATION OF CONSTRUCTION ENTRANCE

- A. Construct entrance per CITY OF GLASGOW detail
- B. Width: Minimum 20 feet , increased as needed for typical construction vehicles.
- C. Minimum Length: 100 feet where soils are coarse grained.
- D. Install filter fabric below aggregate.
- E. Maintain entrance throughout construction, adding more aggregate or increasing length as needed.

#### 3.7 INSTALLATION OF SILT FENCE

- A. Position sediment fences as indicated and to prevent off-site movement of sediment produced by construction activities as directed by plans, **Architect/Engineer**, or contractor. Provide areas beyond limits of silt fence undisturbed or stabilized.
- B. Installation per KYTC or CITY OF GLASGOW

#### 3.8 INSTALLATION OF FILTER SOCKS

- A. Position filter socks as indicated, necessary, and directed by the plans and Architect/Engineer
  - 1. Install erosion control measures around all existing catch basins within the Project limits and in the adjacent affected areas, or as determined by the **Architect/Engineer** in the field.
- B. Install stakes through the middle of the sediment control on minimum 10-foot centers. Depth of staking must be 12 inches for sand or silt and 8 inches for clay soils.
- C. Install filter socks, as indicated, and stake as required.
- D. Furnish, place, and maintain filter socks as specified and as shown. Remove upon completion of all Work.

#### 3.9 INSTALLATION OF BALED HAY

A. Not acceptable as checkdam.

#### 3.10 SITE STABILIZATION

A. Incorporate erosion control devices indicated into the Project at the earliest practicable time.

- B. Construct, stabilize, and activate erosion controls before Site disturbance within tributary areas of those controls.
- C. Stockpile and waste pile heights must not exceed 35 feet. Slope stockpile sides at 2:1 or flatter.
- D. Stabilize any disturbed area of affected erosion control devices on which activity has ceased and which will remain exposed for more than 20 days.
- E. Stabilize diversion channels, sediment traps, and stockpiles immediately.

#### 3.11 FIELD QUALITY CONTROL

A. Inspect erosion control devices on a weekly basis and after each runoff event. Make necessary repairs to ensure erosion and sediment controls are in good working order.

#### 3.12 CLEANING

- A. When sediment accumulation in sedimentation structures has reached a point one-third depth of sediment structure or device, remove and dispose of sediment.
- B. Do not damage structure or device during cleaning operations.
- C. Do not permit sediment to erode into construction or Site areas or natural waterways.
- D. Clean channels when depth of sediment reaches approximately one-half channel depth.

#### 3.13 **PROTECTION**

- A. Immediately after placement, protect paving from premature drying, excessive hot or cold temperatures, and mechanical injury.
- B. Protect paving from elements, flowing water, or other disturbance until curing is complete.

#### END OF SECTION 312500

#### SECTION 32 9200 - TURF AND GRASSES (Addendum 1)

#### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

Seeding.
 Sodding.

#### 1.2 DEFINITIONS

- A. Duff Layer: The surface layer of native topsoil that is composed of mostly decayed leaves, twigs, and detritus.
- B. Finish Grade: Elevation of finished surface of planting soil.
- C. Manufactured Topsoil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.
- D. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. This includes insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. It also includes substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.
- E. Pests: Living organisms that occur where they are not desired or that cause damage to plants, animals, or people. These include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses.
- F. Planting Soil: Standardized topsoil; existing, native surface topsoil; existing, in-place surface soil; imported topsoil; or manufactured topsoil that is modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.
- G. Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or top surface of a fill or backfill before planting soil is placed.
- H. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.
- I. Surface Soil: Whatever soil is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil, but in disturbed areas such as urban environments, the surface soil can be subsoil.

#### 1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

#### TURF AND GRASSES

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Certification of grass seed.
  - 1. Certification of each seed mixture for turfgrass sod.
- B. Product certificates.

#### 1.5 QUALITY ASSURANCE

- A. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when work is in progress.
  - 1. Pesticide Applicator: State licensed, commercial.
- B. Soil Analysis: For each unamended soil type, furnish soil analysis and a written report by a qualified soil testing laboratory.
  - 1. The soil-testing laboratory shall oversee soil sampling.
  - 2. Report suitability of tested soil for turf growth.
    - a. State recommendations for nitrogen, phosphorus, and potash nutrients and soil amendments to be added to produce satisfactory planting soil suitable for healthy, viable plants.
    - b. Report presence of problem salts, minerals, or heavy metals; if present, provide additional recommendations for corrective action.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of conformance with state and federal laws, as applicable.
- B. Sod: Harvest, deliver, store, and handle sod according to requirements in "Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod in time for planting within 24 hours of harvesting. Protect sod from breakage and drying.

#### 1.7 MAINTENANCE SERVICE

- A. Initial Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until acceptable turf is established but for not less than the following periods:
  - 1. Seeded Turf: 60 days from date of planting completion.
    - a. When initial maintenance period has not elapsed before end of planting season, or if turf is not fully established, continue maintenance during next planting season.

2. Sodded Turf: 30 days from date of planting completion.

#### PART 2 - PRODUCTS

#### 2.1 SEED

- A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Journal of Seed Technology; Rules for Testing Seeds" for purity and germination tolerances.
- B. Seed Species: State-certified seed of grass species as follows:
  - a. 50% Perennial Ryegrass
  - b. 35% Annual Ryegrass
  - c. 15% Creeping Red Fescue
  - a. 29.49 percent GreensKeeper WAF tall fescue.
  - b. 29.38 percent Tar Heel 2 tall fescue.
  - c. 20.78 percent Coyote II tall fescue.
  - d. 6.79 percent Raven Kentucky Bluegrass.
  - e. 6.75 percent Thermal Kentucky Bluegrass.
  - f. 6.30 percent Avalanche Kentucky Bluegrass.

#### 2.2 TURFGRASS SOD

A. Turfgrass Sod: Certified including limitations on thatch, weeds, diseases, nematodes, and insects, complying with "Specifications for Turfgrass Sod Materials" in TPI's "Guideline Specifications to Turfgrass Sodding." Furnish viable sod of uniform density, color, and texture, strongly rooted, and capable of vigorous growth and development when planted. Sod grass species must be compatible with seed species for coloration and grass blade characteristics.

#### 2.3 INORGANIC SOIL AMENDMENTS

- A. Lime: ASTM C 602, agricultural liming material containing a minimum of 80 percent calcium carbonate equivalent and as follows:
  - 1. Class: T, with a minimum of 99 percent passing through No. 8 sieve and a minimum of 75 percent passing through No. 60 sieve.
  - 2. Class: O, with a minimum of 95 percent passing through No. 8 sieve and a minimum of 55 percent passing through No. 60 sieve.
- B. Sulfur: Granular, biodegradable, containing a minimum of 90 percent sulfur, and with a minimum of 99 percent passing through No. 6 sieve and a maximum of 10 percent passing through No. 40 sieve.
- C. Iron Sulfate: Granulated ferrous sulfate containing a minimum of 20 percent iron and 10 percent sulfur.

- D. Aluminum Sulfate: Commercial grade, unadulterated.
- E. Perlite: Horticultural perlite, soil amendment grade.
- F. Agricultural Gypsum: Minimum 90 percent calcium sulfate, finely ground with 90 percent passing through No. 50 sieve.
- G. Sand: Clean, washed, natural or manufactured, and free of toxic materials.
- H. Diatomaceous Earth: Calcined, 90 percent silica, with approximately 140 percent water absorption capacity by weight.
- I. Zeolites: Mineral clinoptilolite with at least 60 percent water absorption by weight.

#### 2.4 ORGANIC SOIL AMENDMENTS

- A. Compost: Well composted, stable, and weed free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1-inch sieve; soluble salt content of 5 to 10 decisiemens/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings.
- B. Muck Peat: Partially decomposed moss peat, native peat, or reed sedge peat, finely divided or of granular texture, with a pH range of 6 to 7.5, and having a water absorbing capacity of 1100 to 2000 percent.
- C. Manure: Well-rotted, unleached, stable or cattle manure containing not more than 25 percent by volume of straw, sawdust, or other bedding materials; free of toxic substances, stones, sticks, soil, weed seed, and material harmful to plant growth.

#### 2.5 FERTILIZERS

- A. Bonemeal: Commercial, raw or steamed, finely ground; a minimum of 4 percent nitrogen and 10 percent phosphoric acid.
- B. Superphosphate: Commercial, phosphate mixture, soluble; a minimum of 20 percent available phosphoric acid.
- C. Commercial Fertilizer: Commercial grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:
  - 1. Composition: 1 lb/1000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by weight.
- D. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water insoluble nitrogen, phosphorus, and potassium in the following composition:
  - 1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.

#### 2.6 PLANTING SOILS

A. Planting Soil: ASTM D 5268 topsoil, with pH range of 5.5 to 7, a minimum of 2 percent organic material content. Existing, native surface topsoil. Verify suitability of soil to produce viable planting soil. Clean soil of roots, plants, sod, stones, clods, clay lumps, pockets of coarse sand, concrete slurry, concrete layers or chunks, cement, plaster, building debris, and other extraneous materials harmful to plant growth. Mix soil with the following soil amendments in the following quantities to produce planting soil:

1. Ratio of Loose Compost to Topsoil by Volume: 1:4.

#### 2.7 MULCHES

A. Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.

#### 2.8 PESTICIDES

A. General: Pesticide, registered and approved by EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.

#### PART 3 - EXECUTION

#### 3.1 TURF AREA PREPARATION

- A. Newly Graded Subgrades: Loosen subgrade to a minimum depth of 4 inches. Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.
  - 1. Thoroughly blend planting soil off-site before spreading or spread topsoil, apply soil amendments and fertilizer on surface, and thoroughly blend planting soil.
  - 2. Spread planting soil to a depth of 6 inches but not less than required to meet finish grades after light rolling and natural settlement. Do not spread if planting soil or subgrade is frozen, muddy, or excessively wet.
    - a. Reduce elevation of planting soil to allow for soil thickness of sod.
- B. Unchanged Subgrades: If turf is to be planted in areas unaltered or undisturbed by excavating, grading, or surface-soil stripping operations, prepare surface soil as follows:
  - 1. Remove existing grass, vegetation, and turf. Do not mix into surface soil.
  - 2. Loosen surface soil to a depth of at least 6 inches. Apply soil amendments and fertilizers according to planting soil mix proportions and mix thoroughly into top 6 inches of soil. Till soil to a homogeneous mixture of fine texture.
  - 3. Remove stones larger than 1 inch in any dimension and sticks, roots, trash, and other extraneous matter.

- 4. Legally dispose of waste material, including grass, vegetation, and turf, off Owner's property.
- C. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.
- D. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.
- E. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

#### 3.2 SEEDING

- A. Do not broadcast or drop seed when wind velocity exceeds 5 mph. Evenly distribute seed by sowing equal quantities in two directions at right angles to each other. Do not seed against existing trees. Limit extent of seed to outside edge of planting saucer.
- B. Sow seed at a total rate of 3 to 4 five (5) lb/1000 sq. ft..
- C. Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with fine spray.
- D. Protect seeded areas unless covered by erosion control blanket, by spreading straw mulch. Spread uniformly at a minimum rate of 2 tons/acre to form a continuous blanket 1-1/2 inches in loose thickness over seeded areas. Spread by hand, blower, or other suitable equipment.
  - 1. Anchor straw mulch by crimping into soil with suitable mechanical equipment.
- *E. Hydroseeding is acceptable.*

#### 3.3 SODDING

- A. Lay sod within 24 hours of harvesting. Do not lay sod if dormant or if ground is frozen or muddy.
- B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to subgrade or sod during installation. Tamp and roll lightly to ensure contact with subgrade, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.
  - 1. Lay sod across angle of slopes exceeding 1:3.
  - 2. Anchor sod on slopes exceeding 1:6 with wood pegs or steel staples spaced as recommended by sod manufacturer but not less than 2 anchors per sod strip to prevent slippage.

C. Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1–1/2 inches below sod.

#### 3.4 TURF MAINTENANCE

- A. Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and remulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
- B. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain height appropriate for species without cutting more than 1/3 of grass height. Remove no more than 1/3 of grass-leaf growth in initial or subsequent mowings.
- C. Apply pesticides and other chemical products and biological control agents in accordance with authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.

#### 3.5 SATISFACTORY TURF

- A. Turf installations shall meet the following criteria as determined by Architect:
  - 1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 5 by 5 inches.
  - 2. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, evencolored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities.
- B. Use specified materials to reestablish turf that does not comply with requirements and continue maintenance until turf is satisfactory.

END OF SECTION 32 9200

## GLASGOW, BARREN CO., KY. VICINITY MAP (NOT TO SCALE)



### GENERAL NOTES

1. THIS SURVEY IS SUBJECT TO ANY AND ALL LEGAL EASEMENTS AND RIGHT OF WAYS RECORDED OR UNRECORDED, INCLUDING BUT NOT LIMITED TO THOSE SHOWN HEREON.

2. THIS SURVEY IS SUBJECT TO ANY AND ALL FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

3. THE LOCATION OF THE UNDERGROUND AND ABOVE GROUND UTILITIES SHOWN HEREON ARE BASED ON THE FIELD LOCATION OF FOUND VISIBLE STRUCTURES OR AS FLAGGED AND/OR PAINTED BY THEIR RESPECTIVE UTILITY COMPANIES. OTHER UTILITIES MAY EXIST, NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO THE ACTUAL LOCATION AND/OR EXISTENCE OF SAID UNDERGROUND UTILITIES ON THIS SITE.

4. THE PROPERTY SHOWN HEREON IS SUBJECT TO THE RULES, REGULATIONS, SETBACKS AND ORDINANCES SET FORTH BY THE LOCAL PLANNING COMMISSION.

#### 5. GPS NOTE:

50 % OF SURVEY WAS PERFORMED USING TRIMBLE - R12i - DUAL FREQUENCY GPS UNITS UTILIZING REAL TIME KINEMATIC SURVEYING TECHNIQUES. WITH AN UNADJUSTED PRECISION TO CONTROL POINTS BEING LESS THAN 0.04' OR BEING GREATER THAN 1 : 10,000.

#### 6.FLOOD ZONE NOTE:

THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD ZONE AS INDICATED BY FLOOD INSURANCE RATE MAPS COMMUNITY PANEL NO. 21009C0170C, EFFECTIVE DATE OF MAY 3, 2011

#### 7. BASIS OF BEARINGS AND ELEVATION:

THE BASIS OF THE BEARINGS SHOWN HEREON WERE BASED ON GRID NORTH AS IT RELATES TO THE KENTUCKY STATE PLANE COORDINATE SYSTEM (SINGLE ZONE) NAD83. ALL ELEVATIONS SHOWN HEREON WERE BASED ON NAVD88 (GEOID 18). AS OBSERVED VIA RTK BASED OFF OF KYTC CORS NETWORK. AUGUST, 2023.

#### 1' CONTOUR INTERVAL

8. ZONING NOTE: B-2 GENERAL BUSINESS

ZONING PER GLASGOW ZONING MAP AND ORDINANCE FRONT: 35'

#### SIDE: N/A

REAR: 20'

\*THE PROPERTY SHOWN HEREON IS SUBJECT TO ANY AND ALL APPLICABLE ZONING REGULATIONS SET FORTH BY THE CITY OF GLASGOW.

9. A BOUNDARY SURVEY DOES NOT DETERMINE LAND OWNERSHIP, AND THAT A PROFESSIONAL LAND SURVEYOR ONLY PROVIDES AN OPINION OF PREVIOUSLY DESCRIBED BOUNDARY LINES WHICH MAY NOT BE UPHELD BY A COURT OF LAW. UNWRITTEN RIGHTS MAY OR MAY NOT EXIST ON SUBJECT PROPERTY. 
 Point
 Northing

 1
 3527193.428

 2
 3526897.075

 14
 3526494.902

 15
 3527349.795

 16
 3526752.068

FRANSFORMER



CHAIN LINK

FENCE

ANTENNA

BARBEOL

∕∕20′ \B.S.B

GATE -

64.35.

TOPOGRAPHIC SURVEY CERTIFICATION

THIS IS TO CERTIFY, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, ALL INFORMATION SHOWN HEREON IS TRUE AND ACCURATELY SHOWN.

SIGNED: DATE:





### **General Notes**

- 1. THE CONTRACTOR(S) SHALL CONDUCT HIS WORK IN AN ENVIRONMENTALLY SOUND MANNER AND SHALL UTILIZE "BEST MANAGEMENT PRACTICES" (BMP'S) TO REDUCE OR ELIMINATE POLLUTANTS IN STORM WATER DISCHARGES DURING THE CONSTRUCTION OF THIS PROJECT.
- 2. PROVIDE EROSION CONTROL DEVICES COMPLETELY AROUND ADJACENT STORM WATER STRUCTURES.
- 3. CONTRACTORS ARE ADVISED THAT CARE SHOULD BE EXERCISED DURING UNDERGROUND EXCAVATION IN THE EVENT THAT UTILITY LINES ARE PRESENT THAT ARE UNCHARTED.
- 4. THE EXISTING UTILITY INFORMATION DEPICTED ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL EXISTING UTILITIES (2) WORKING DAYS BEFORE ANY EXCAVATION OCCURS ON SITE AND PRIOR TO THE COORDINATION OF THE NEW UTILITIES LAYOUT AND INSTALLATION. CALL 811 BEFORE YOU DIG.
- 5. IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (7) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION. INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
- 6. ALL AREAS DISTURBED OR DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED AT NO COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER. THIS INCLUDES DAMAGE TO ADJACENT ROADWAYS.
- 7. THERE SHALL BE NO CONSTRUCTION EQUIPMENT, VEHICLES, OR STORAGE ON ANY FINISHED SURFACES.
- 8. PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES, A PRE-CONSTRUCTION MEETING IS TO BE HELD. ALL REQUIRED CONTACT NAMES AND NUMBER WILL BE LISTED ON A PRE-CONSTRUCTION MEETING FORM PROVIDED SEPARATELY BY ARCHITECT. ANY SUBCONTRACTOR(S) REQUIRED TO BE A CO-PERMITTEE BY LOCAL JURISDICTIONS MUST BE LISTED AND PROVIDE A COPY OF THEIR NOTICE OF INTENT OR CO-PERMIT TO THE OWNER AND ATTACH TO THIS SWP3.
- 9. PROJECT INFORMATION: A) THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO, DEMOLITION OF EXISTING TREES, BUILDINGS, PAVEMENT, FENCES, STRUCTURES, ETC.
- 10. PROVIDE EROSION CONTROL DEVICES COMPLETELY AROUND ADJACENT STORM WATER STRUCTURES.



### Soil Stabilization Notes

- 1. ALL DISTURBED AREAS WHICH REMAIN INACTIVE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR OR FOR AREAS TO BE PERMANENTLY STABILIZED AT FINAL GRADE SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
- AREAS TO BE PERMANENTLY STABILIZED FOR FINAL GRADE SHALL BE STABILIZED BY SEEDING, SODDING MULCHING. COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE OR WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE.
- 3. ALL DISTURBED AREAS WHICH REMAIN INACTIVE FOR ONE YEAR OR MORE SHALL BE STABILIZED BY SEEDING, SODDING MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES WITHIN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. ALL SUCH AREAS REMAINING INACTIVE OVER WINTER SEASON SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, COVERING OR OTHER EQUIVALENT EROSION CONTROL MEASURES AS SOON AS PRACTICAL BEFORE THE ONSET OF WINTER WEATHER.



### CONSTRUCTION SEQUENCE

- DELIVERED.
- BEFORE ANY OTHER EARTH MOVING ACTIVITIES COMMENCE.
- CONTACT/NUMBER, AND PROJECT NAME.
- INSPECTION REPORT MUST INCLUDE AT A MINIMUM: A) INSPECTION DATE
- B) NAMES, TITLES AND QUALIFICATIONS OF INSPECTION PERSONNEL
- ACTIVITY IF 1ST INSPECTION). D) WEATHER INFO AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF INSPECTION
- E) LOCATION(S) OF BMP'S THAT NEED TO BE MAINTAINED

- WITH BY THE TOP OF A STAKE LOCATED NEAR THE CENTER OF TRAP.
- CHANGE THE TOPOGRAPHY OF THE SITE.

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE PER THE SITE DRAWINGS BEFORE ANY CONSTRUCTION BEGINS OR SUPPLIES ARE

2. ALL PERIMETER SILT FENCE AND OTHER INITIAL EROSION CONTROLS APPLICABLE ON THE SITE DRAWINGS SHALL BE IN PLACE

3. POST ALL APPLICABLE SIGNS, INCLUDING THE NOTICE OF INTENT (NOI), AND HAVE THIS SWP3 WITH EROSION AND SEDIMENT CONTROL PLANS AT THE SITE FOR CONTINUAL USE AND MODIFICATION. POST "CONSTRUCTION SITE NOTICE" SIGN INCLUDING INFORMATION SUCH AS THE GENERAL CONTRACTOR NAME, GENERAL CONTRACTOR ADDRESS, GENERAL CONTRACTOR

4. PHASING OF WORK TO ALLOW EXISTING VEGETATIVE AREAS OR BUFFERS TO REMAIN AS LONG AS POSSIBLE IS ENCOURAGED.

5. EROSION CONTROL DEVICES MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5 INCHES OR GREATER RAINFALL. SEE PART III.G OF THE KENTUCKY DOW GENERAL CONSTRUCTION PERMIT FOR MORE INFORMATION. FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. THE

C) WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION OF

F) LOCATION(S) OF BMP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION G) LOCATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION, AND, i) CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES. DOCUMENTS REGARDING THESE INSPECTIONS MUST BE KEPT AT THE SITE AND BE MADE AVAILABLE UPON REQUEST.

6. INSTALL ANY SEDIMENT TRAPS AND/OR BASINS PER THE SITE DRAWINGS, AS SOON AS POSSIBLE, DURING THE CLEARING AND EXCAVATION OF THE SITE. PROVIDE TEMPORARY GRADING TO DIRECT WATER TO TRAPS/BASINS.

7. ALL SILT FENCES MUST BE INSPECTED AND NEEDED REPAIRS IMPLEMENTED AFTER EVERY STORM EVENT. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN MATERIAL REACHES DEPTH OF ONE-THIRD (1/3) THE FENCE HEIGHT.

8. SEDIMENT TRAPS SHALL HAVE THE COLLECTED SEDIMENT REMOVED WHEN SEDIMENT HAS ACCUMULATED TO THE TOP OF THE SEDIMENT STORAGE ZONE (WHEN 40 PERCENT OF THE POND DEPTH HAS BEEN FILLED). THIS ELEVATION SHALL BE IDENTIFIED

9. PERIODICALLY, THE STONE IN THE CONSTRUCTION ENTRANCE SHOULD BE RAKED TO INCREASE INFILTRATION AND FILTERING. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED. BULK CLEARING OF ACCUMULATED SEDIMENT BY FLUSHING THE AREA WITH WATER SHALL NOT BE PERMITTED. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER APPROVED LOCATION BEFORE THE END OF EACH WORKDAY, EITHER BY SCRAPING OR SWEEPING. CONTINUE INSTALLING/MODIFYING EROSION CONTROLS AS THE CONSTRUCTION OF SITE UTILITIES, FOUNDATIONS, AND STRUCTURES

10. THE GENERAL CONTRACTOR WILL KEEP WRITTEN DOCUMENTATION OF MAJOR EARTHMOVING ACTIVITIES USING A SITE LOG INDICATING START AND STOP DATES FOR DEFINED AREAS OF THE SITE. NOTE THESE AREAS ON THE SITE DRAWINGS WHEN POSSIBLE.

11. REMOVE TEMPORARY OR SEDIMENT CONTROL PRACTICES ONCE FINAL STABILIZATION/ VEGETATION HAS BEEN ESTABLISHED.

12. FILE THE APPROPRIATE NOTICE OF TERMINATION (NOT) WHEN THE ENTIRE PROJECT IS COMPLETE.

GENERAL NOTES:

NO TRENCHING.

13. KEEP ALL SWPPP DOCUMENTS, INCLUDING INSPECTION CHECKLISTS, ON FILE FOR THREE YEARS FROM TERMINATION

NO GRUBBING IS PERMITTED IN THE PROTECTED ROOT ZONE. STUMPS, DEAD TREES, AND ANY SHRUB GROWTH TO BE REMOVED

3. DO NOT REMOVE BARRIERS UNTIL FINAL COMPLETION OF PROJECT,

5. ANY EXPOSED ROOTS SHALL BE COVERED WITH SOIL AS SOON AS

6. TREES THAT DIE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE TO THESE SPECIFICATIONS SHALL BE REMOVED AND REPLACED WITH A NEW TREE AT NO ADDITIONAL COST TO THE OWNER.

TRAFFIC OR BURIAL PITS ARE ALLOWED IN THE TREE PROTECTION

GRADING/CONSTRUCTION AND NOT REMOVED UNTIL AFTER FINAL

THAT ROOTS ARE CUT CLEANLY AND ARE NOT BROKEN OR TORN

4. ROOT PRUNING EQUIPMENT SHALL BE KEPT SHARP TO ENSURE

SHALL BE CUT FLUSH OR GROUND CUT.

BY DULL OR UNSUITABLE EQUIPMENT.

POSSIBLE TO MINIMIZE EXPOSURE TO AIR.

8. TREE BARRICADES MUST BE INSTALLED BEFORE ANY

INSPECTION BY LANDSCAPE ARCHITECT/OWNER.

AND THEN FILL ALL HOLES.



THE SAME POST.

THE TOP OF THE FRAME.

SIDES

SPECIFICATIONS FOR SILT INLET PROTECTION DETAIL

- 1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE 5. GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERABLE.
- 2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18".
- 3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-IN. CONSTRUCTION GRADE LUMBER. THE 2-BY-4-IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE 6. BACKFILL SHALL BE PLACED AROUND THE INLET IN GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF THE 2-BY-4-IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD REACH.
- WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

MAINTENANCE NOTES:

- 1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN EVENT.
- 2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.
- 3. STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.





# (B2) Tree Protection/Construction Fencing



## A2 Stone Construction Entrance



Lexington Cincinnati Cleveland Dallas Charleston

20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY, IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO

COMPACTED 6-IN. LAYERS UNTIL THE EARTH IS EVEN WITH THE NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON

7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN

/1 ADDENDUM #1

Revisions: Issue Date: March 25, 2024

**GLASGOW AMERICAN LEGION PARK** 805 Happy Valley Road

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Glasgow, KY 42141

### SWPPP DETAILS

Project No. 23080

C-10<sup>°</sup>



### **General Notes**

- EXISTING SITE PLAN CONDITIONS INDICATED ARE BASED UPON INFORMATION PROVIDED BY THE SURVEYOR. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL CONDITIONS PRIOR TO BIDDING AND OR CONSTRUCTION.
- 2. THE CONTRACTOR SHALL MAINTAIN OWNER ACCESS TO SITE AND OR FACILITIES DURING CONSTRUCTION.
- 3. THE CONTRACTOR MUST COORDINATE ALL SITE STAGING/CONSTRUCTION ACTIVITIES WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SAFEGUARD ITEMS WHICH ARE NOT AFFECTED BY THE SCOPE OF DESIGN/CONSTRUCTION OF THIS PROJECT. ANY AND ALL DAMAGES TO SAID ITEMS SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY. AFFECTED ITEMS SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE OWNER'S DISCRETION AND TO THE OWNER'S SATISFACTION.
- 5. ALL ITEMS RELATIVE TO LOGISTICAL SUPPORT OF CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO: CONSTRUCTION ACTIVITY PLANS, TEMPORARY FACILITY LOCATION(S), CONSTRUCTION FENCE LOCATIONS, STORMWATER POLLUTION CONTROL ELEMENTS, PROJECT SIGNAGE, ETC., SHALL BE SUBMITTED TO OWNER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
- 6. REMOVAL/RELOCATION OF EXISTING UTILITIES AND OR SIGNAGE MUST BE COORDINATED AND OR APPROVED BY THE APPROPRIATE AGENCY PRIOR TO COMMENCEMENT OF ANY AND ALL ACTIVITIES. ALL WORK SHALL BE IN ACCORDANCE WITH AGENCY STANDARDS.
- 7. THE CONTRACTOR SHALL REPAIR AND OR REPLACE AREAS OF ROADS OR SIDEWALKS DAMAGED DURING CONSTRUCTION ACTIVITIES AT THE OWNERS DISCRETION.
- 8. THE CONTRACTOR(S) SHALL CONDUCT HIS WORK IN AN ENVIRONMENTALLY SOUND MANNER AND SHALL UTILIZE "BEST MANAGEMENT PRACTICES" (BMP'S) TO REDUCE OR ELIMINATE POLLUTANTS IN STORM WATER DISCHARGES DURING THE CONSTRUCTION OF THIS PROJECT.
- 9. CONTRACTORS ARE ADVISED THAT CARE SHOULD BE EXERCISED DURING UNDERGROUND EXCAVATION IN THE EVENT THAT UTILITY LINES ARE PRESENT THAT ARE UNCHARTED.
- 10. THE EXISTING UTILITY INFORMATION DEPICTED ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL EXISTING UTILITIES (2) WORKING DAYS BEFORE ANY EXCAVATION OCCURS ON SITE AND PRIOR TO THE COORDINATION OF THE NEW UTILITIES LAYOUT AND INSTALLATION.
- 11. IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (7) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
- 12. EXISTING STRUCTURES SUCH AS: CULVERT PIPES, UTILITIES, PIPELINES, ETC., SHALL BE PROTECTED DURING EXCAVATION. PROVIDE SHORING AS NECESSARY AND/OR REQUIRED BY REGULATIONS.
- 13. ALL AREAS DISTURBED OR DAMAGED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED AT NO COST TO THE OWNER AND TO THE SATISFACTION OF THE OWNER.
- 14. THERE SHALL BE NO CONSTRUCTION EQUIPMENT, VEHICLES, OR STORAGE ON ANY FINISHED SURFACE.
- 15. PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES, A PRE-CONSTRUCTION MEETING IS TO BE HELD. ALL REQUIRED CONTACT NAMES AND NUMBER WILL BE LISTED ON A PRE-CONSTRUCTION MEETING FORM PROVIDED SEPARATELY BY ARCHITECT. ANY SUBCONTRACTOR(S) REQUIRED TO BE A CO-PERMITTEE BY LOCAL JURISDICTIONS MUST BE LISTED AND PROVIDE A COPY OF THEIR NOTICE OF INTENT OR CO-PERMIT TO THE OWNER AND ATTACH TO THE SWPPP.
- 16. THE ENTIRE ALUMINUM POOL SHELL AND GUTTERS SHALL BE REMOVED. REMOVE ALL POOL AND DECK
- PIPING. (FILL-WILL BE-IN PHASE 2) , disc golf baskets and signs to be removed by owner. Contractor to remove all tee pads. ,  $\wedge \land \land \land \land$ 18. THE CITY HAS HAD ALL KNOWN HAZARDOUS MATERIALS REMOVED FROM THE BUILDINGS.
- . REMOVE ALL UNDERGROUND ELECTRIC TO ABANDONED FACILITIES.
- 20. SAW CUT PAVEMENT WHERE PAVING TO BE REMOVED ADJOINS PAVEMENT TO REMAIN.
- 21. ALL LIGHT POLES ON THE SITE ARE TO BE REMOVED, EXCEPT IN THE HAPPY VALLEY ROAD RIGHT OF WAY.
- 22. BACKFILL ALL GEOTECH BORING HOLES.

## **Demolition** Legend



EXISTING ASPHALT TO BE REMOVED (INCLUDING AGGREGATE BASE) EXISTING CONCRETE TO BE REMOVED

EXISTING UTILITY TO BE REMOVED

EXISTING CURB TO BE REMOVED EXISTING FENCE TO BE REMOVED

EXISTING TREE/SHRUB TO BE REMOVED. REMOVE STUMPS AND GRIND LARGE ROOTS.

### Coded Notes

(1)	EXISTING RETAINING WALL TO BE_REMOVED
$\left( \begin{array}{c} 2 \end{array} \right)$	PAVEMENT TO BE REMOVED - INCLUDING AGGREGATE BASE
3	Building to be removed $\checkmark$ including foundation and footers $2 1$
4	REMOVE EXISTING FENCE - FILL HOLES
5	LIGHT POLE TO BE REMOVED - FILL HOLES - REMOVE JUNCTION BOXES
6	GUARDRAIL TO BE REMOVED
$\overline{7}$	BOLLARD TO BE REMOVED - FILL HOLES
8	POOL TO BE REMOVED
9	SURGE PIT TO BE REMOVED
10	ARMY TANK TO BE REMOVED BY OTHERS - CONTRACTOR TO REMOVE CONCRETE PA
(11)	SCORE BOARD TO BE REMOVED
12	BLEACHERS TO BE MOVED BY OWNER
13	REMOVE OVERHEAD UTILITIES
$\overline{14}$	EXISTING SHELTER TO REMAIN
15	EXISTING PLAYGROUND TO REMAIN
16	EXISTING DRAIN INLET TO REMAIN
17	UNDERGROUND UTILITY TO BE REMOVED
18	CAP FOR FUTURE CONNECTION
19	REMOVE UNDERGROUND ELECTRIC TO LIGHT POLES-DETERMINE LOCATION IN FIELD
20	FENCE TO REMAIN UNTIL PHASE 2
21	GATE TO REMAIN
22	JUNCTION BOX TO BE REMOVED
23	SPIGOT TO BE REMOVED
24	REMOVE MANHOLES TO DEPTH OF 3'. BACK FILL HOLES WITH EARTH
25	PROTECT ALL CONTROL POINTS
26	INSTALL 6' TALL TEMPORARY SAFETY FENCE TO ENCLOSE POOL AREA



Lexington Cincinnati Cleveland Dallas Charleston

Revisions: A ADDENDUM #1 4/8/2024 lssue Date: March 25, 2024

1

### GLASGOW AMERICAN LEGION PARK

805 Happy Valley Road Glasgow, KY 42141

1

### DEMOLITION PLAN





### **General Notes**

CONSTRUCTION.

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- 9. CONTRACTORS ARE ADVISED THAT CARE SHOULD BE EXERCISED DURING UNDERGROUND EXCAVATION IN THE EVENT THAT UTILITY LINES ARE PRESENT THAT ARE UNCHARTED.
- 10. THE EXISTING UTILITY INFORMATION DEPICTED ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL EXISTING UTILITIES (2) WORKING DAYS BEFORE ANY EXCAVATION OCCURS ON SITE AND PRIOR TO THE COORDINATION OF THE NEW UTILITIES LAYOUT AND INSTALLATION.
- . IF. DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (7) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION, INCLUDING ALL STRUCTURES WHICH ARE AFFECTED AND NOT SHOWN ON THESE PLANS. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
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- 16. THE ENTIRE ALUMINUM POOL SHELL AND GUTTERS SHALL BE REMOVED. REMOVE ALL POOL AND DECK PIPING. (FILL WILL BE IN PHASE 2)
- 17. DISC GOLF BASKETS AND SIGNS TO BE REMOVED BY OWNER. REMOVE ALL THE PADS. ) /118. THE CITY HAS HAD ALL KNOWN HAZARDOUS MATERIALS REMOVED FROM THE BUILDINGS.
- 19. REMOVE ALL UNDERGROUND ELECTRIC TO ABANDONED FACILITIES.
- 20. SAW CUT PAVEMENT WHERE PAVING TO BE REMOVED ADJOINS PAVEMENT TO REMAIN.
- 21. ALL LIGHT POLES ON THE SITE ARE TO BE REMOVED, EXCEPT IN THE HAPPY VALLEY ROAD RIGHT OF WAY. 22. BACKFILL ALL GEOTECH BORING HOLES.

## **Demolition** Legend



EXISTING BUILDING TO BE REMOVED

EXISTING ASPHALT TO BE REMOVED (INCLUDING AGGREGATE BASE)

EXISTING UTILITY TO BE REMOVED

EXISTING CONCRETE TO BE REMOVED (INCLUDING AGGREGATE BASE)



EXISTING CURB TO BE REMOVED EXISTING FENCE TO BE REMOVED

Coded Notes

1 >	EXISTING RETAINING WALL TO BE REMOVED
2	PAVEMENT TO BE REMOVED - INCLUDING AGGREGATE BASE
3	BUILDING TO BE REMOVED - INCLUDING FOUNDATION AND FOOTERS
4	REMOVE EXISTING FENCE - FILL HOLES
5	LIGHT POLE TO BE REMOVED - FILL HOLES - REMOVE JUNCTION BOXES
6	GUARDRAIL TO BE REMOVED
7	BOLLARD TO BE REMOVED
8	POOL TO BE REMOVED
9	SURGE PIT TO BE REMOVED
0	ARMY TANK TO BE REMOVED BY OTHERS - CONTRACTOR TO REMOVE CONCRETE PAD
	SCORE BOARD TO BE REMOVED
2	TO BE MOVED BY OWNER
3	REMOVE OVERHEAD UTILITIES
4	EXISTING SHELTER TO REMAIN
5	EXISTING PLAYGROUND TO REMAIN
6	EXISTING DRAIN INLET TO REMAIN
7	UNDERGROUND UTILITY TO BE REMOVED
8	CAP FOR FUTURE CONNECTION
9	REMOVE UNDERGROUND ELECTRIC TO LIGHT POLES-DETERMINE LOCATION IN FIELD.
20	FENCE TO REMAIN UNTIL PHASE 2
21	GATE TO REMAIN
22	JUNCTION BOXES TO BE REMOVED
23	SPIGOT TO BE REMOVED
24	REMOVE MANHOLES TO DEPTH OF 3'. BACK FILL HOLES WITH EARTH $\sqrt{1}$
25	PROTECT ALL CONTROL POINTS

Revisions: ADDENDUM #1 4/8/2024 lssue Date: March 25, 2024

### GLASGOW AMERICAN LEGION PARK

805 Happy Valley Road Glasgow, KY 42141

### DEMOLITION PLAN

Project No. 23080 C-103

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