



ADDENDUM NUMBER 2

Fox River Bluffs Kendall County Forest Preserve District #939

DATE: August 8, 2022

TO: ALL KNOWN BID DOCUMENT RECIPIENTS

VIA EMAIL – One cover page as described below and

The following changes for the above referenced bid shall be made part of the bidding documents and a copy of this addendum cover page shall be submitted and attached to the Bid Proposal Form and/or acknowledged in the bid submission.

1. Clarification: Specification Sections Added to Match Table of Contents

- a. Section 01 2140 – Soil, Construction & Demolition Debris Removal
 - i. The intent of project is to balance the soil on the project site. Excess soil (if any) may be spread on site if owner approved location.
- b. Section 01 5713 – Erosion Control

End of Addendum.

SECTION 01 2140
SOIL, CONSTRUCTION & DEMOLITION DEBRIS REMOVAL

1.0 GENERAL

1.1 Introduction

- A. Related Documents: All terms and conditions of the Contract apply to this Section.
- B. Work included: This specification is for the excavation, stockpiling, loading, hauling, removal, and disposal of any soils (including non-special waste soils and non-hazardous special waste soils), fill, backfill, topsoil, CU structural soil/stone, and/or construction and demolition debris. The contractor shall perform the work under this Section in accordance with all applicable local, county, state, and federal regulations. The work shall include the following:

1.2 Removal and disposal

- A. Excavation of soils (including non-special waste soils and non-hazardous special waste soils), fill, backfill, topsoil, CU structural soil/stone, and/or construction and demolition debris materials to the depth required to complete the proposed site preparation/construction work activities as specified in the Architect/Engineer drawings and specifications.
- B. Perform analytical testing by an IEPA-accredited laboratory for waste stream authorizations as necessary to secure authorization to dispose of the material at an appropriately permitted disposal facility.
- C. Collect samples only from the excess materials that require offsite disposal. Under no circumstances shall the contractor sample any material that is to remain onsite without authorization directly from the Owner.
- D. Obtain authorization from a permitted disposal facility – either a Clean Construction & Demolition Debris facility or a Subtitle D landfill.
- E. Load and transport all materials to the approved permitted disposal facility.
- F. Prepare daily reports, transport manifests, weight tickets and receipts (as applicable) prior to starting any soil removal activities.
- G. Provide copies of all daily reports, transport/waste manifests, weight tickets, and disposal receipts (as applicable) to the Owner's Representative on a daily basis documenting proper disposal of soils (including non-special waste soils and non-hazardous special waste soils), fill, backfill, topsoil, CU structural soil/stone, and general construction and demolition debris materials.

1.3 Definitions

- A. Agency means Illinois Environmental Protection Agency (IEPA).
- B. Board Authorized Representative means the person or entity designated as the official representative of the owner in connection with a project.
- C. Clean Construction & Demolition Debris means uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, reclaimed or other asphalt pavement, or soil generated from construction or demolition activities. CCDD may include uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, or reclaimed or other asphalt pavement that has been painted ("painted CCDD") if the painted CCDD is used as fill material at

- a CCDD fill operation in accordance with Section 1100. 212 of the Illinois Environmental Protection Act. Clean construction or demolition debris does not include uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads provided the uncontaminated soil is not commingled with any clean construction or demolition debris or other waste. Uncontaminated soil may include incidental amounts of stone, clay, rock, sand, gravel, roots, and other vegetation.
- D. CU structural soil/stone means a uniformly blended mixture of crushed stone, clay, loam and/or hydrogel.
 - E. Fill means any earthen or non-earthen materials including but not limited to any sediment, granular or cohesive non-native earthen materials, cinders, ash, wood, and brick, concrete, and asphalt fragments, glass, and building debris encountered above naturally occurring undisturbed soils or bedrock in built-up areas.
 - F. General construction and demolition (C&D) debris means non-hazardous, uncontaminated materials resulting from construction, remodeling, repair, and demolition of utilities, structures, and roads as defined in Public Act 92-0574, The Environmental Protection Act, 415 ILCS 5 Section 3.160 and regulated under Title 35: Environmental Protection; Subtitle G: Waste Disposal; Chapter I: Pollution Control Board; Subchapter i: Solid Waste and Special Waste Hauling. C&D debris may include soil, wall coverings, reclaimed asphalt pavement, rock, plaster, glass, non-hazardous painted wood, drywall, plastics, non-hazardous coated wood, non-asbestos insulation, bricks, wood products, roofing shingles, concrete, and general roof coverings.
 - G. Permitted Subtitle D landfill means any solid waste landfill facility in any state licensed and/or permitted to accept non-hazardous waste.
 - H. IEPA means Illinois Environmental Protection Agency.
 - I. IDOT means Illinois Department of Transportation.
 - J. Manifest means the form provided or prescribed by IEPA and used for identifying name, quality, routing, and destination of special waste during its transportation from point of generation to the point of disposal, treatment, or storage.
 - K. Hazardous waste means a waste, or combination of wastes, which has been identified by characteristics or listing as hazardous pursuant to Section 3001 of the Resource Conservation and Recovery Act of 1976, P.L. 94-580, 40 CFR part 261, Illinois Environmental protection Act 415 ILCS 5/3.220, and Section 809.103 of Title 35: Environmental Protection; Subtitle G: Waste Disposal; Chapter I: Pollution Control Board. A waste is classified as hazardous if it exhibits any of the following characteristics: 1) ignitability, 2) corrosivity, 3) reactivity, or 4) toxicity, and as defined in Illinois Administrative Code Title 35, Section 721.103 (35 IAC 721.103).
 - L. MSDS means Material Safety Data Sheet, required by OSHA for any substances that are toxic, caustic, or otherwise potentially hazardous to workers.
 - M. Non-Special Waste mean a non-hazardous industrial-process or pollution-control waste that is not a liquid (as determined by paint-filter test SW-846 Method 9095); not regulated asbestos-containing material as defined in 40 Code of Federal Regulations, Section 61.141; does not contain polychlorinated biphenyls (PCBs) regulated in accordance with 40 Code of Federal Regulations, Part 761; is not formerly hazardous waste rendered non-

hazardous; and does not result from shredding recyclable metals (e.g. auto fluff).

- N. OSHA means Occupational Safety and Health Administration.
- O. Soil means any granular or cohesive materials designated for removal as specified in the Architect/Engineer drawings and specifications and includes soils that are determined to be non-special and special waste.
- P. Special waste means any wastes as defined in Title 35: Environmental Protection; Subtitle G: Waste Disposal; Chapter I: Pollution Control Board; Subchapter i: Solid Waste and Special Waste Hauling; Part 808: Special Waste Classifications; Subpart A: General Provisions; Section 808.110,
AND
Any wastes as defined in Title 35: Environmental Protection; Subtitle G: Waste Disposal; Chapter I: Pollution Control Board; Subchapter i: Solid Waste and Special Waste Hauling; Part 809: Non Hazardous Special Waste Classifications; Subpart A: General Provisions; Section 809.103.
- Q. SROs mean soil remediation objectives for various exposure routes identified in 35 Illinois Administrative Code 742: Tiered Approach to Corrective Action Objectives (TACO).
- R. Storm water means water deposited at the site in the form of rain, snow or other natural weather event.
- S. TACO means TIERED APPROACH TO CORRECTIVE ACTION OBJECTIVES per 35 Illinois Administrative Code 742.
- T. Topsoil means soils or black dirt used to promote vegetative growth.
- U. USEPA means United States Environmental Protection Agency.

1.4 Submittals

- A. Copies of the following submittals shall be prepared and submitted to the Owner and Owner's Authorized Representative at contractor's own cost:
 - 1. Soil, fill, backfill, CU structural soil/stone, construction and demolition debris removal
 - a. Letter of authorization from the facility where soils (including non-special waste soils and non-hazardous special waste soils), fill, general or clean construction and demolition debris are to be deposited prior to removal from the site.

1.5 Notifications

- A. The contractor shall notify the Owner or Owner's Authorized Representative no less than forty-eight (48) business hours prior to loading and transporting any materials from the site.

1.6 Recordkeeping

- A. The contractor shall provide documentation of labor, equipment, materials and disposal laboratory analysis used for soil removal, when requested by the Owner's Authorized Representative.

2.0 PRODUCTS

2.1 Removal

- A. The contractor shall furnish all necessary means, products, tools, and equipment required to remove soil (including non-special waste soils and non-hazardous special waste soils), fill, backfill, CU structural soil/stone and/or construction and demolition debris from the site as directed by the Owner's Authorized Representative.

3.0 EXECUTION

3.1 Authorizations

- A. Unless otherwise noted on the plans, contractor shall assume removal to subtitle D Landfill for material removal. Contractor is responsible for all documentation for material being removed from the site.
- B. Obtain authorization from the permitted disposal facility owner where soils (including non-special waste soils and non-hazardous special waste soils), fill, backfill, CU structural soil/stone and/or construction and demolition debris are to be transported, stored, or disposed. The authorization must be signed by a facility representative and shall state that the facility has received a copy of one or more laboratory analyses of representative sample(s) collected from the site by the contractor and has agreed to accept the material. The authorization shall further state that the facility agrees to accept the material for permanent placement on their site and that the material will not be removed from their site unless required by a local, state or federal authority. The authorization shall further state that the facility complies with all local zoning codes, state, federal and local laws, rules, and regulations.
- C. Obtain prior authorization from Authorized Representative to backfill excavations and utility lines, and apply topsoil. All backfill, CU structural soil/stone, and topsoil shall comply with site specific project specifications.
- D. Haulers for transportation of soils, backfill and topsoil shall hold, and present upon request, a current valid Commercial Driver's License (CDL). Non-hazardous special wastes and hazardous wastes must be hauled by an IDOT-approved, licensed, and permitted transporter and must be visible during transportation.

3.2 Material Sampling

- A. Soil, fill, backfill, CU structural soil, construction and demolition debris
 - 1. The contractor shall collect sufficient amount of representative sample(s) from each type of material being removed from the site for analytical testing to obtain authorization for the ultimate disposition of the materials. The contractor is responsible for acquisition of any required permits and payment of all fees.
 - 2. The contractor shall collect samples only from the excess materials that require offsite disposal. Under no circumstances shall the

contractor sample any material that is to remain onsite without authorization directly from the Owner.

3. The contractor shall be responsible for obtaining liquid samples as needed for characterization for liquid disposal offsite or disposition onsite as applicable. The contractor is responsible to the acquisition of any required disposal permits and the payment of any fees associated with liquid disposal.
4. The contractor shall submit the soil and liquid samples (as applicable) to the laboratory and pay for the cost of analyzing the constituents required for the ultimate disposition of soils and liquids.
5. The contractor may collect samples for laboratory analysis or field Photo-ionization Detector (PID) screening, or liquid samples for laboratory analysis.
6. The contractor shall immediately notify the Owner or Owner's representative if any materials, (solid or liquid) requiring special handling (i.e., stained soil, soil with odors, or liquids) are encountered.
7. All excavated soils, liquids, and other material shall be removed from the site in accordance with applicable federal, state, and local regulations.

3.3 Excavation

- A. The contractor shall perform excavation of soils (including non-special waste soils and non-hazardous special waste soils), fill, backfill, CU structural soil/stone and/or construction and demolition debris as directed by the Owner's Representative.
- B. All excavation shall be performed in accordance with OSHA requirements and guidelines. The contractor shall be responsible for its worker's health and safety.

3.4 Hauling

- A. The contractor shall remove soils, dusts, rocks, etc. from the exterior of trucks, trailers, or other heavy equipment leaving the site before they leave the site.
- B. The contractor shall clean the tractor-trailers or trucks that are loaded with materials for off site placement/salvage by removing clinging soils, or rocks from the exterior of the equipment.
- C. The contractor shall not create dust and shall maintain adequate dust suppression equipment on site if conditions warrant.
- D. The contractor shall maintain streets clean and free of mud and dirt.
- E. The contractor shall conduct soil (including non-special waste soils and non-hazardous special waste soils), fill, backfill, CU structural soil/stone and/or construction and demolition debris removal in a manner that ensures minimum interference with roads; streets, walks and other adjacent occupied and used facilities. Do not close or obstruct streets, walks or other occupied or used facilities without permission from the applicable governing agency and Board

Authorized Representative. Provide alternate routes around closed or obstructed traffic ways if required by the governing agency.

3.5 Transportation

- A. The contractor shall remove soils, dusts, rocks, etc. from the exterior of trucks, trailers, or other heavy equipment leaving the site before they leave the site. The contractor shall provide complete copies of all daily reports, weight tickets and receipts (as applicable) for transportation and ultimate off site placement of materials removed from the property to the Board Authorized Representative, review and signature as required.

3.6 Dust Control

- A. The contractor shall control dust by all necessary means, including but not limited to covering trucks, stockpiles and open materials, watering haul roads, sweeping paved roads, and limiting the speed of all on-site vehicles.

3.7 Liquid (Water) Management

- A. The contractor shall subscribe to a weather notification system and manage the work so as not to accumulate storm water on the site during excavation.
- B. The contractor shall ensure that contamination of water, perched water and previously uncontaminated water or perched water does not occur by preventing the contact of such liquid with materials that exceed Title 35: Environmental Protection Subtitle G: Waste Disposal Chapter I: Pollution Control Board Subchapter F: Risk Based Cleanup Objectives, Part 742, Tiered Approach To Corrective Action Objectives, Appendix B, Table A values for 35 ILL. ADM CODE 740 APPENDIX A Target Compound List (TCL) parameters. Earthen berms, plastic (polyethylene) sheeting, pumping, and other such means may be used as needed to prevent contaminated water.
- C. If the contractor, through negligence, allows storm water to contact materials that exceed Title 35: Environmental Protection Subtitle G: Waste Disposal Chapter I: Pollution Control Board Subchapter F: Risk Based Cleanup Objectives, Part 742, Tiered Approach To Corrective Action Objectives, Appendix B, Table A values for 35 ILL. ADM CODE 740 APPENDIX A Target Compound List (TCL) parameters, the water must be disposed of as water that exceeds Title 35: Environmental Protection Subtitle G: Waste Disposal Chapter I: Pollution Control Board Subchapter F: Risk Based Cleanup Objectives, Part 742, Tiered Approach To Corrective Action Objectives, Appendix B, Table A values for 35 ILL. ADM CODE 740 APPENDIX A Target Compound List (TCL) parameters. The contractor will be responsible for the additional costs incurred for any disposal analysis and disposal costs.

3.8 Quality Control

- A. Visual inspections and damage repairs shall be made daily by the contractor and/or as directed by the Owner's Authorized Representative to assure that erosion, drainage and containment control measures are functioning properly.

- B. The contractor shall take all necessary precautions to protect structures, equipment, pavement, walks and utilities against movement or settlement during the course of work.
- C. Damages: Promptly replace or repair any damage caused to adjacent pavement, utilities or facilities by removal operations at no additional cost. Work shall be performed to the satisfaction of the Board Authorized Representative.
- D. Utility services: Maintain existing utilities and protect against damage during removal operations.

END OF SECTION

SECTION 01 5713
EROSION CONTROL

1.0 GENERAL

1.1 Description

A. Erosion Control shall consist of furnishing all labor, materials, tools and equipment necessary to place riprap material, silt fencing, erosion control blankets and triangular silt dikes in the locations indicated on the drawings .

1.2 Incorporated Specifications

A. The following specifications are incorporated into the document

1. "Standard Specifications for Road and Bridge Construction" – latest edition - Illinois Department of Transportation
 - a. Section 280 Temporary Erosion Control
 - b. Article 1005.01 Stone for Erosion Protection, Sediment Control and Rockfill
 - c. Article 1081.10 Special Erosion Control Materials
 - d. Article 251.04 Erosion Control Blanket
2. Contractor shall adhere to the above specifications unless applicable items of work or materials are modified herein.

2.0 MATERIALS

2.1 Riprap

A. Riprap fill shall consist of sound, durable cobbles and crushed rock having a maximum diameter of eight inches (8") as measured in the smallest dimension. Riprap shall be well graded and meet the gradation requirements for RR3 in accordance with the above referenced and incorporated specification.

2.2 Silt Fence

A. Silt fence shall be polypropolyne fabric. Stakes for silt fence shall be wooden or metal and at least five feet (5') long.

2.3 Erosion Control Blanket

A. 3:1 and Greater Slopes shall be Curlex I Single Net. As manufactured by:

1. American Excelsior Company, 850 Avenue H East, Arlington, Texas 76011, (800) 777-7645

a. All staples shall be E-Staple, 4-inch bio-degradable. As manufactured by: American Excelsior Company OR www.Greenstake.com

B. Erosion control blanket shall be approved by the Department of Transportation. All netting shall be single sided and white UV reactive. Netting shall begin to bio-degrade within 15-18 months of installation. Netting shall have an opening between 1/2" x 1/2" and 2" x 1". Staple shall be 100% Polyhydroxyalkanoate (PHA) plastic, biodegradable from microbial activity in accordance to ASTM D5338 and ASTM D5271. Staples shall completely biodegrade within 24 months of installation. Staples shall be 4 inches (4") in length, T-Shaped and have barbed head and shoulders.

2.4 Triangle Silt Dike Barrier

- A. Triangular silt dike barrier shall be urethane foam and geotextile fabric and shall have protective aprons on both sides of the barrier. Barrier shall be eight inches (8") wide.

3.0 EXECUTION

3.1 Riprap Installation

- A. Riprap shall be placed in a twelve inch (12") thick layer or as shown on the drawings or as directed by Owner and worked as required to provide a well graded matrix of stone pieces.

3.2 Silt Fence

- A. Silt fencing shall be placed in the locations shown on the plans and in accordance with the above incorporated specifications. Staking shall be a minimum of eight feet (8') apart. Silt fence shall remain in place for the duration of the construction project and shall only be removed with prior approval.

3.3 Erosion Control Blanket

- A. Erosion control blankets shall be placed in accordance with the above incorporated specifications. Before barrier installation, ensure areas to be covered are smooth and free of ruts, depressions, rocks or clods over eighteen inches (18") in diameter, sticks and any other debris that will prevent contact between the blanket and soil. Erosion control blanket to be installed within 24 hours after seeding. Staking shall be a minimum of six feet (6') apart and staked per the manufacturer's instructions.

3.4 Triangular Silt Dike Barrier

- A. Triangular silt dike barrier shall be placed in the locations shown on the plans and in accordance with the above incorporated specifications.
- B. Secure triangular silt dike by burying the first six inches (6") of the leading edge apron in a two to three inch trench. 4 to 5 staples shall be used on the front apron and 4 to 5 staples shall be used on the rear apron on each seven foot (7') section. Water flow is not allowed under the barrier.
- C. The barrier shall remain in place for the duration of the construction project and shall only be removed with prior approval. Contractor shall routinely inspect and maintain the barrier. Contractor to ensure that barrier is free of accumulated silt, debris, and other miscellaneous material. Accumulated sediment deposit shall be removed if more than eight inches (8"). Torn or punctured barrier shall be repaired or replaced as directed by the Owner's Representative.
- D. Contractor shall be required to obtain approval for removal of silt fence. Remove fence, take off site, fill in trenches with topsoil, seed, cover with blanket, and roll as needed to match existing grade and conditions.

END OF SECTION