

**Addendum No. 1**

TO: PLANS AND SPECIFICATIONS FOR

Westminster Reclamation Project  
Callaway County  
Project No: Y2002-01

Bid Opening Date: **Unchanged: 1:30 P.M., Thursday, May 28, 2020.**

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**Bidders are hereby informed that the construction plans and/or specifications are modified as follows:**

**1. SPECIFICATIONS:**

**a. 007300 – SUPPLEMENTARY CONDITIONS**

**Revise 2.0 CONTACTS as follows:**

Construction Representative #2:

Megan Moore  
DNR - Land Reclamation Program  
1101 Riverside Drive, PO Box 176  
Jefferson City, MO 65102  
Telephone: 573-526-4287, Fax: 573-751-0534  
Email: [megan.moore@dnr.mo.gov](mailto:megan.moore@dnr.mo.gov)

**b. Delete Section 311000 – Site Clearing in its entirety and replace with the following:  
Section 311000 – REVISED Site Clearing – 4 Pages.**

**c. 329219 – SEEDING**

**2.1.A SEED -** Revise Seed Mixture #1 chart by deleting 20 pounds of Oats and replace with **40 pounds of Spring Oats (Jerry Oats).**

**d. 329219 – SEEDING**

**Delete Paragraph 3.4.B.1 and replace with the following:**

**3.4.B.1 Drill seed following the contour using a mechanical power drawn seed drill that is specifically manufactured for planting native warm-season grasses and forbs, that places the seed at least ¼”, but no more than ½” into the soil, or at depths directed by the Owner’s Representative at no additional cost to the Owner.**

**2. PLANS:**

**No Change.**

**3. GENERAL NOTES:**

- a. Ingress and egress access for all construction activities shall be by way of the main graveled driveway to the residence at 710 W. 7<sup>th</sup> street. Contractors shall not pass through or utilize, in any way, the property of John Wilkerson located immediately east of the project limits.
- b. All water discharged from pits shall be pumped and piped to discharge in drainage ditch located north of the construction limits. The south pit will need to be pumped or trenched to drain into north pit for discharge. (See attached illustration “Westminster Reclamation Project - Water Pump Discharge Location 8 ½” x 11” Drawing Sheet”)

c. Availability of Designer's CAD Drawing Files:

- 1) Electronic copies of the DNR Project Designer's CAD drawing files are available upon request. Please contact Brent Willeford, PE ([Brent.Willeford@dnr.mo.gov](mailto:Brent.Willeford@dnr.mo.gov)) and he will send a web URL so that Contractors may access and download the CAD files from DNR's FTP Shared Site web server.
- 2) Disclaimer: CAD design/grades/contours are for informational use only. Contractors are responsible for attending the pre-bid meeting and performing their own detailed site investigations to inform themselves of the current site conditions and scope-of-work involved with this project, and should not solely rely on the provided CAD files when bidding, planning, or performing, work on this project.

**4. ATTACHMENTS:**

- a. Section 311000 – Revised Site Clearing - 4 pages
- b. Westminster Reclamation Project – Water Pump Discharge Location 8 ½” x 11” Drawing - 1 sheet.
- c. May 11, 2020 Pre-bid Attendee List – 2 pages.

**End of Addendum #1  
May 21, 2020**

**DIVISION 31 – SITE CLEARING**

**311000 – SITE CLEARING**

**PART 1 – GENERAL:**

**1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this section.

**1.2 SUMMARY**

- A. This section includes:
  1. Site preparation activities such as clearing, grubbing, access, construction, and waste disposal
  2. Materials to be handled under this contract, which may include trees, brush, and quantities of trash, mine spoil material, and coal refuse that may be acidic in nature
  3. The Contractor shall not use explosives on this work.

**1.3 MEASUREMENT AND PAYMENT**

- A. Unit Prices are not applicable. All work in this section required by the Specifications or Plans shall be included in the Contractor's Base Bid Lump Sum contract price. The Base Bid Lump Sum shall include all labor, materials, equipment, tools, and incidentals necessary to complete the work.

**1.4 DEFINITIONS**

**A. MINE SPOILS**

1. Mine spoil is the earthen material excavated by the mining process while removing coal. This material is unconsolidated and unsorted.

**B. COAL WASTE**

1. Coal waste has a pH of less than 4.5, and consists of carbon rich, acid forming materials remaining after strip or underground mining. These areas are typically bare to sparsely vegetated and consist of low-grade coal materials remaining after mining.

**1.5 SUBMITTALS**

- A. Includes, but are not limited to, the following:
  1. Submit as specified in Division I.
  2. The Contractor shall submit weight tickets and receipts for recycled materials and for residential waste materials.
  3. Weight and/or shipping materials for rock and other materials brought on-site shall be presented to the Resident Project Representative.

**1.6 QUALITY ASSURANCE (NOT APPLICABLE)**

**1.7 PROJECT CONDITIONS**

- A. Materials to be handled under this contract consist primarily of mine spoil and coal waste, which are acidic.

- B.** Saturated ground conditions may prevail in and near mine pits. Should ground conditions warrant, to fulfill the specifications set forth in this section, the Contractor shall be responsible for utilizing the appropriate low ground pressure equipment at no additional expense to the Owner. For the purposes of this section, appropriate low ground pressure equipment is defined as having maximum load pressure of 4.3 lbs. per square inch.

## **PART 2 – PRODUCTS**

- A.** The Contractor shall provide temporary use of an Air Curtain Assisted Trench-Burner for disposing of all trees and brush on site. The equipment provided by the Contractor shall meet the following minimum requirements:
  - 1. Air Burners Inc., Palm City, FL: T300 self-contained/trailer-mounted air-curtain 30’W nozzle trench-burner system rated for 6-10 tons/hr. (Or equal)
  - 2. McPherson Systems, Tifton, GA: M30G self-contained/trailer-mounted air-curtain 30’W nozzle trench-burner system rated for 6-8 tons/hr. (Or equal)
- B.** The Contractor shall provide temporary use of a truck with an adequately-sized mounted water-tank that’s pump-equipped with hose/nozzle (minimum two-hundred-fifty gallon (250 gal) capacity), for use in monitoring and containing wind-blown embers/fires, plus water-extinguishing the pit-ash prior to each removal from the burn-pit in order to prevent the ash from becoming airborne.

## **PART 3 – EXECUTION**

**3.1 CLEARING AND GRUBBING** – The Contractor shall perform clearing and grubbing only to the extent necessary to perform the work required. Clearing and grubbing within the construction limits shall be rigidly adhered to.

- A.** Clearing:
  - 1. All tree clearing shall be completed between November 1<sup>st</sup> and April 1<sup>st</sup>.
  - 2. In cutting of timber growth, cuts shall be made such that all trees are felled into the area to be cleared. Exercise care when clearing near the project limits so as not to damage existing trees, vegetation, structures or utilities that are outside of the clearing limits.
  - 3. Conduct work in a manner that prevents damage to property and provides for the safety of employees and others.
- B.** Grubbing: Includes removal and disposal of tree stumps and roots larger than 3 inches in diameter.
  - 1. Backfill all excavated depressions with borrow material and grade to drain.
  - 2. Stumps shall be disposed of per Section 311000.3.3.A.

**3.2 PROTECTION OF EXISTING VEGETATION** – The Contractor shall protect tops, trunks, and roots of existing trees on the project site, which are designated not to be disturbed.

- A.** Box, fence around, or otherwise protect trees before any construction work is started.
- B.** Do not permit heavy equipment or stockpiles within branch spread.
- C.** Trim or prune to obtain working space in lieu of complete removal when possible. Conduct operation with experienced personnel as follows:
  - 1. Conform to good horticultural practice.
  - 2. Preserve natural shape and character.

- D. All effort should be made to preserve large trees with exfoliating bark and dead snags. Remove when damage occurs and survival is doubtful, as determined by the Owner's Representative.

### **3.3 DEBRIS REMOVAL AND DISPOSAL**

- A. Disposal of site-clearing debris.
  - 1. No materials other than clearing wastes may be burned. All burning must be conducted in accordance with the requirements of the local Fire Department and all other local, state, and federal authorities having jurisdiction. Protection of property outside project limits and protection of on-site trees and other vegetation to remain shall be maintained at all times.
  - 2. Burning of clearing wastes on coal refuse areas is not permitted.
  - 3. Appliances, scrap metal, tires, and all other recyclables within construction limits shall be considered salvage, and shall become the property of the Contractor. The Contractor shall transport all materials to an appropriate recycler.
  - 4. Residential waste shall be hauled to a DNR permitted landfill.

### **3.4 ACCESS CONSTRUCTION**

- A. The Contractor shall confine all activities to within the construction limits. Any damage to the site outside of the construction limits shall be repaired to the satisfaction of the Owner's Representative at no additional cost to the Owner.
- B. All disturbed areas adjacent to the access road shall be repaired by smoothing, liming, seeding and fertilizing in accordance with these specifications at no additional expense to the Owner.

### **3.5 AIR-CURTAIN ASSISTED TRENCH-BURNING OF TREES AND BRUSH - The Contractor shall provide equipment and perform necessary excavation/site work to conduct air-curtain machine assisted trench-burning of trees/brush in approximate 30'L x 10'W x 10'D excavated earthen pit, or as defined in the equipment manufacturer's operations manual.**

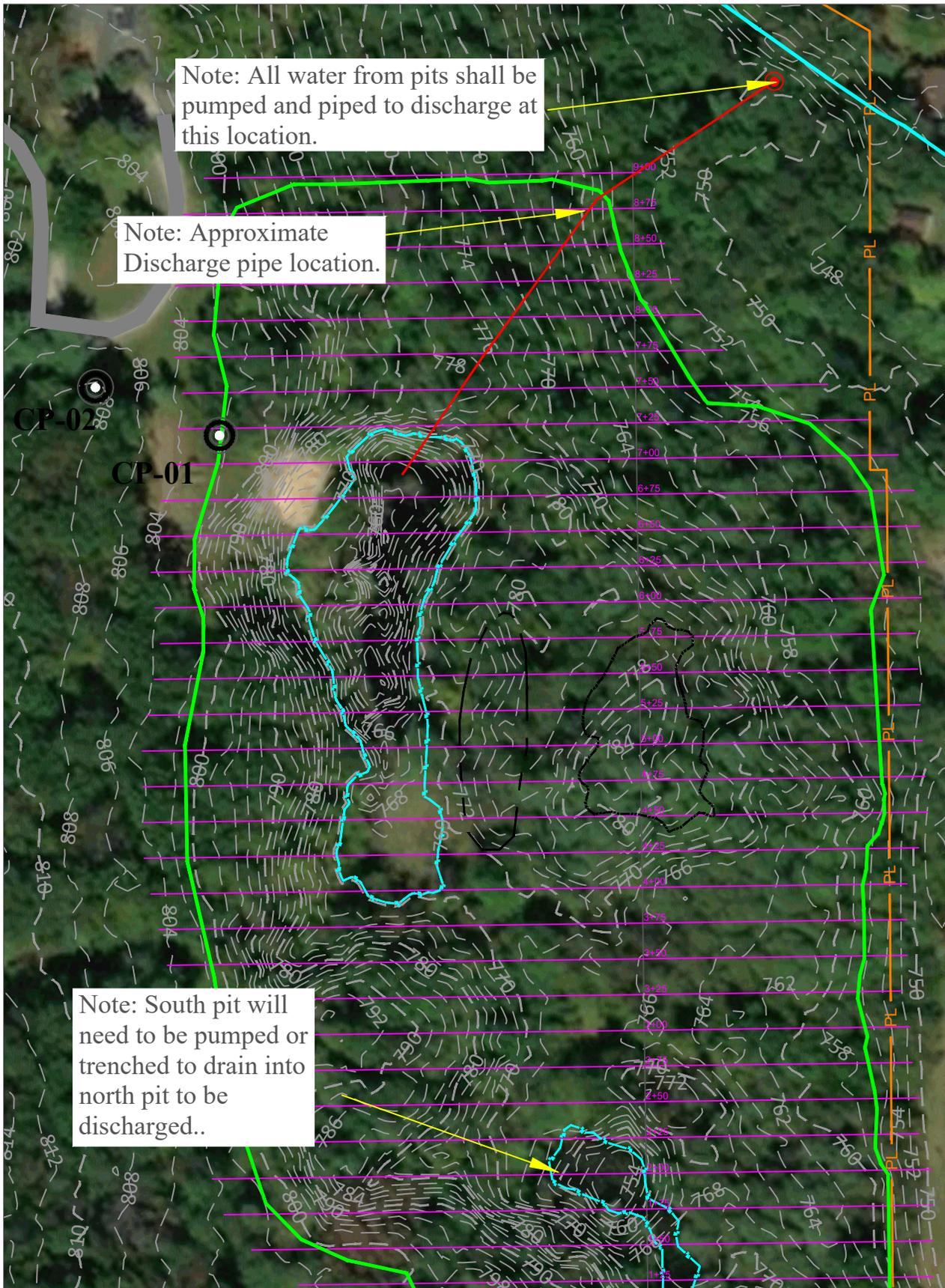
- A. Disposal of Woody Debris and Vegetation.
  - 1. All woody debris and vegetation shall be burned using an Air Curtain Assisted Trench-Burners, unless otherwise approved by the Owner's Representative.
  - 2. No materials other than clearing wastes may be burned. All burning must be conducted in accordance with the requirements of the local Fire Department and all other local, state, and federal authorities having jurisdiction. Protection of property outside project limits and protection of on-site trees and other vegetation to remain shall be maintained at all times
  - 3. The air curtain incinerator shall be operated in a manner consistent with the operations manual for the air curtain incinerator and the charge rate during all periods of operation shall not exceed the maximum charge rate specified by the manufacturer of the air curtain incinerator.
- B. Regulations and Conditions of Use.
  - 1. The Contractor shall conduct all burning operations in compliance with state regulation 10 CSR 10-6.45 Open Burning Requirements
  - 2. State Air Permits are not required for use of temporary air curtain burners located at temporary land clearing or right-of way maintenance sites.
  - 3. Contractors' use of air-curtain trench-burners shall comply with the following conditions and stipulations:
    - a. The location of the onsite burning shall be at least 150 feet from any building and/or dwelling, or other occupied structure.
    - b. The Fulton Fire Department shall be notified of burning activities prior to initiation.

## ADDENDUM #1 - Attachment #1 (Revisions in Red)

- c. If burning within 600 feet of a structure, the Contractor shall obtain a waiver from the owner/occupant of the structure; or alternatively obtain the written approval of the Fulton Fire Department.
- d. Burning shall only be conducted between sunrise and sunset.
- e. Burning shall be supervised by the Contractor at all times.
- f. The wind direction at the time burning is initiated, and the wind direction as forecasted by the National Weather Service during the scheduled time of the burning shall be monitored, and shall be AWAY from any building or area which may be affected by smoke, ash, or air pollutants from the burning... including public roads within 250 feet of the burning, as measured from the edge of the pavement or other roadway surface.
- g. The air-curtain trench-burner shall meet manufacturer's specifications for operation and upkeep to ensure complete burning of material charged into the pit. Manufacturers specifications shall be kept on site and be available for inspection.
- h. Except during initial start-up, maintain opacity to less than or equal to ten percent (10%) opacity (as determined by the average of three (3) one (1)-hour blocks consisting of ten (10) six (6)-minute average opacity values).
- i. During initial start-up, maintain opacity to less than or equal to thirty five percent (35%) opacity (as determined by the average of three (3) one (1)-hour blocks consisting of ten (10) six (6)-minute average opacity values) during the startup period that is within the first thirty (30) minutes of operation.
- j. The Contractor/operator of the air-curtain trench-burner shall not allow ash to build-up greater than one-third of the pit's depth, nor allow ash to impede combustion, whichever occurs first. The Contractor/operator of the air curtain trench-burner shall water the ash prior to its removal from the burn-pit to prevent the ash from becoming airborne, unless otherwise directed.
- k. Only distillate oil, kerosene, diesel fuel, natural gas, or liquefied petroleum gas may be used to start the fire.

**END OF SECTION 311000**

# Westminster Reclamation Project - Water Pump Discharge Location



Scale: 1" = 100'

Pre-Bid Meeting Attendance Sheet  
 Proj #Y2002-01 Westminster Farms Reclamation Project  
 Callaway County, Missouri

10:30AM Jan 7, 2020 (MissouriBUYS Bids Due: 1:30PM May 28, 2020)

| Name<br>Title                | Company Name + City, State<br>Write type of Contracting Work you specialize in.<br>Plus, write legal MBE, WBE, SDVE status, if any. | Main Business Ph #<br>Cell Phone # | E-mail Address               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------|
| RON LITTICH<br>PROJ MGR      | STATE OF MISSOURI, OA FUND<br>301 W HIGH ST<br>JEFFERSON CITY, MO 65102<br>WA                                                       | 573-751-8296<br>573-644-3330       | ronald.littich@ea.mo.gov     |
| Cale Seymour                 | Cale Seymour Construction - the<br>708 NE MM Knob Noster Mo 65736                                                                   | 660-909-7492                       | Cale.Seymour@gmail.com       |
| Carl R. Jones<br><b>SDVE</b> | Carl R. Jones Excavating LLC.<br>5493 Hwy E Fredericktown, MO.<br>63645                                                             | 573-783-5301                       | Carl@Carljoneseexcavatingllc |
| Jennie Jones<br><b>WBE</b>   | Jones Family Supplies<br>5493 Hwy E Fredericktown, Mo.<br>63645                                                                     | 573-783-5301                       | Jonesjennie@hotmail.com      |
| DAVE Richardson              | CL Richardson Const.<br>Ashland Mo.                                                                                                 | 573-657-9557                       | ed-richardson@hotmail.com    |
| Mike Mueller                 | MO DNR                                                                                                                              | 573-526-5887                       | mike.mueller@dnr.gov         |
| BRENT WILCEFORO              | MO DNR-AMC                                                                                                                          | 573-368-2449                       | brent.wilceforo@dnr.mo.gov   |

**Pre-Bid Meeting Attendance Sheet**  
**Proj #Y2002-01 Westminster Farms Reclamation Project**  
**Callaway County, Missouri**

pg 2 of 2

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| Name<br>Title  | Company Name + City, State<br>Write type of Contracting Work you specialize in.<br>Plus, write legal MBE, WBE, SDVE status, if any. | Main Business Ph #<br>Cell Phone # | E-mail Address         |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------|
| Megan MOORE    | MO DNR                                                                                                                              | 573-526-4287<br>513-236-5110       | megan.moore@dnr.mo.gov |
| Lester Johnson | Rem Terra LLC <span style="background-color: yellow;">SDVE</span>                                                                   | 348-888-6430                       | MJKENTARA@GMAIL.COM    |
| END            |                                                                                                                                     |                                    |                        |
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