



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
DEP16299

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER
304-558-2316

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

ENVIRONMENTAL PROTECTION
 DEPT. OF
 OFFICE OF SPECIAL RECLAMATION
 116 INDUSTRIAL DRIVE
 OAK HILL, WV
 25901 304-465-1911

DATE PRINTED
08/21/2013

BID OPENING DATE: 09/05/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				THIS ADDENDUM IS ISSUED TO:		
				1) EXTEND THE BID OPENING DATE AND TIME.		
				2) PROVIDE TECHNICAL QUESTIONS & ANSWERS/CLARIFICATIONS		
				3) PROVIDE THE ATTACHED REVISED SPECIFICATIONS AND DRAWINGS (2, 5, 9, 10, 17, 19, AND 20). ELECTRONIC VERSIONS OF THE DRAWINGS ARE AVAILIABLE IN THE ATTACHED FILE, AND BY CONTACTING CANDICE STONE AT: 304-457-4588 EXT 43288 OR 304-457-3219.		
				4) PROVIDE THE ATTACHED REVISED PRICING PAGES.		
				5) PROVIDE THE ATTACHED MANDATORY PRE-BID SIGN IN SHEET		
				***** END ADDENDUM NO. 1 *****		
0001	1	JB		962-73		
				RECLAMATION: RESTORATION OF LAND		

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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***** THIS IS THE END OF RFQ DEP16299 ***** TOTAL: _____						

SIGNATURE		TELEPHONE	DATE
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WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SOLICITATION NUMBER: DEP16299

Addendum Number: 01

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

- 1) Bid opening Date and Time Extended to: 09/05/2013 at 1:30 PM
- 2) Provide technical questions & answers/ modifications
- 3) provide revisions to specifications
- 4) Provide the attached revised Pricing pages
- 5) Provide the mandatory Pre-Bid sign in sheet

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

Addendum #1 – Questions and Answers
Clarifications/Corrections to drawings and specifications
DEP16299
Ed-E Development Company Inc.
Permit # S-1032-86

DISCUSSED AT TAILGATE OF TRUCK OVERLOOKING SITE

1. Q: Do you have any sizes and capacities on the sludge cells?
A: Yes, they are in the specs.
2. Q: What is Vault A exactly?
A: Precast, 6 x 6 concrete vault as shown on the Flow Proportional Siphon System Siphon Vaults drawing.
3. Q: Does the Secondary Chemical Treatment Tote have a fill line going to the outside of the building?
A: No, there is not a fill line to the outside.
4. Q: Do you have to sandblast to paint the AquaFix building?
5. A: Yes, and it is in the specifications of what you are required to do as far as preparing the enclosure and exterior of the silo for the paint.
6. Q: When the ponds that need modified have the sludge pumped, where is the sludge disposed?
A: The sludge can be pumped or hauled into the existing sludge disposal cells on the southern portion of the permit and then covered with soil material and regraded. The newly constructed sludge cells are for WVDEP long term use and not intended for disposal of sludge for the upgrade of the existing ponds under this project.
7. Q: Does the contractor have to install the edge protection for the HDPE Corrugated Ditch Liner?
8. A: No, edge protection is not intended for this contract.
9. Q: Can you drain the water off the existing sludge disposal cells, let it dry, and the cover them up?
A: See specifications: Existing Sediment Control Structures, 11.0.
10. Q: Can the sand used in the Sludge Cell Underdrain be limestone or lime sand?
A: Use what is required in the specifications.
11. Q: Do you require quality control compaction testing on the pond embankment material?

A: No, the compaction testing (nuclear density) is intended for the HDPE Corrugated Ditch Liner subgrade material if necessary as determined by WVDEP agent onsite. The WVDEP agent onsite will determine if your pond embankment material is being compacted properly or if material is too wet, too dry etc. based on visual inspection by the WVDEP agent onsite.

12. Q: Can the contractor use onsite material for the pond embankments?

A: Yes, as long as it meets what is required in the specs and is free of rocks and debris.

13. Q: Where is the borrow area?

A: Along the county road above the gate, to the area near the intersection that is within the permit boundary. Approximate area is indicated on the Overview Map.

14. Q: Will you require any pressure testing on the pipe on the project?

A: No.

15. Q: Is there a base map with contour information for this site?

A: No.

DISCUSSED NEAR POND 2

16. Q: Will we be working outside the original permit boundary?

A: No, all work will be done within the original permit boundary. The tree line is the approximate permit boundary.

17. Q: Are you worried about the bottom elevation of the ponds?

A: The ponds need to be constructed as per the specifications.

18. Q: Are the elevations given the pond water elevation or the berm elevations?

A: The elevations listed are the pond water surface elevations and the ponds have two (2) foot of freeboard in addition. Current and proposed elevations are listed on the Hydraulic Profile drawing.

19. Q: When modifying existing ponds, are we basically building new ponds?

A: Yes

DISCUSSED NEAR POND 6

20. Q: Where does the proposed New Haulroad/Access Road tie back in?

A: As shown on the Overview Map the road goes through and wraps around the existing sludge cells and the ties back into the existing access road near the gate.

21. Q: Is there only one NPDES discharge point on this site?

A: Yes.

22. Q: When the sludge cells are pumped out, does the pumped water have to pass through the NPDES outlet?

A: Yes, if it is compliant with permit limits it can be run through a geotextile filter bag and the water can go into any of the settling ponds. If the water needs treated it has to be run through the AquaFix or other chemical treatment as determined appropriate by WVDEP agent onsite.

DISCUSSION NEAR EXISTING SLUDGE CELLS

23. Q: Which direction is the regraded sludge cells to sheet flow?
A: Toward the fence line and away from the access road.
24. Q: Is the contractor responsible for testing the water?
A: Yes, the contractor is responsible for field testing the water to determine if it needs to be treated through the WVDEP treatment system. Contractor will also work with WVDEP agent onsite to ensure water is properly treated.
25. Q: What is the pH of the water here?
A: Incoming water is 3.5 – 4 pH, Discharge pH is 6 – 9.
26. Q: If the water needs to be treated, will the WVDEP pay for treatment?
A: Yes, WVDEP will supply chemical for treating the water through the AquaFix on site or with caustic treatment method determined by WVDEP agent onsite.
27. Q: When constructing the proposed New Haulroad/Access Road, will you be modifying the entrance any to accommodate large trucks?
A: Yes, existing entry gates and posts shall be removed and new Gates and Posts installed south along fence line twenty (20) feet and new fence installed in area of existing gate. Replacement of the existing entry gates will be under bid item 23.1 10-Foot Gate therefore adding an additional two (2) gates to this bid item. The fence installation will be paid under bid item 23.0 Fence. The existing gates shall be stored onsite for future use by the WVDEP. (See revised Overview Map 2-R)
28. Q: Do the existing sludge cells remain?
A: No, they will be eliminated as indicated in specifications.
29. Q: If we need to borrow dirt or build an additional sludge cell during construction can we do it in the area here? (referring to the area south west of the existing access road and east of the existing sludge cells to be eliminated)
A: Yes, as long as it does not interfere with the New Access Road, the Underdrain, Manholes, Seep Conveyance Drain and is kept shallow so that the pond(s) do not collect subsurface water.

QUESTION RECIEVED AFTER PRE-BID

30. Q: How often does the vibrator need to operate and how long each time?

A: Cycle interval shall be every hour and duration time is one minute.

See revised specification for correction to Bid Item 22.0 Renewable Energy Vibrator System under Installation, System Requirements:

iii. Cycle interval shall be every hour and duration time is one minute.

CORRECTION: Scope line 14 amended to read: Install approximately one hundred twenty (120) linear feet of HDPE drive water line. (Bid Item # 16.1)

CORRECTION: Scope line 15 amended to read: Install approximately one hundred twenty (120) linear feet of Eight (8) inch HDPE pipe to treatment channel. (Bid Item # 16.2)

CLARIFICATION: Contractor shall not damage existing caustic tanks nor lines and shall coordinate with WVDEP when lines need relocated. WVDEP shall relocate lines when needed. Coordinate with WVDEP agent onsite so that WVDEP can continue treatment to comply with our permit requirements.

CORRECTION: As a correction to Bid Item 5.0: All existing pipes, sludge lines and associated hardware including valves, caps, etc. shall be property of WVDEP and stored onsite at a location determined by WVDEP agent onsite. Contractor shall make concerted effort to not damage pipes and sludge lines during removal. These items are not to be reused by contractor. Cost of debris removal, salvaging and placement of existing pipes shall be incidental to and included in Regrading and Topsoiling.

CORRECTION: As a correction to Bid Item 11.6 the following was removed from specification: Existing sludge lines shall be removed and disposed of in a legal manner and be incidental to and included in Regrading and Topsoiling.

CORRECTION: The below changes have been made to the Flow Proportional Siphon System Distribution Box Details drawing (17-R):

- Note adjacent to “Weir Plate Detail Effluent Side” shall read as follows: Weir Plate located on the effluent side of the trough shall have 11 weirs. 2-weirs for drive water and 9-weirs for AMD to be treated.
- Note adjacent to “Weir Plate Detail Influent Side” shall read as follows: Weir Plate located on the influent side of the trough shall have 11 weirs. 2-weirs for drive water and 9-weirs for AMD to be treated.
- 60° V Notch Weir Flow Rates chart has been updated.
- The Weir Plate and Trough Details have been adjusted accordingly.

CORRECTION: The below changes have been made to the Adjustable Speed Drive Details drawing (19-R):

- Journal Bearing located adjacent to 3' water wheel shall be Model 0211-0000 1:1 ratio (1 input 1 output) or approved equivalent.
- Journal Bearing located adjacent to 3" auger shall be Model 0304-0000 2:1 ratio (2 input 1 output) or approved equivalent.
- The Zero-Max Adjustable Speed Drive shall be Model JK2 MDLH (Microdial with numerical counter) or approved equivalent.
- In Note #3: Adjustable Speed Drive and components depicted on side of wheel of existing cog. However Adjustable Speed Drive and components may be placed on opposite side of wheel if alternate placement allows for better alignment.

CLARIFICATION: The sludge in the existing cells can be left in the cell area however contractor must move the sludge and any unsuitable material away from the proposed New Haulroad/Access Road location. Neither sludge nor unsuitable material will be in used in the subgrade material for the proposed New Haulroad/Access Road.

CORRECTION: As a correction to Bid Item 13.4 Pump Adaptor Connection: The settling ponds 3, 4 and 5 ends of the HDPE 6-inch diameter sludge line pipe shall be fitted with a threaded stainless steel adaptor to receive a 6-inch cam-lock (lockable style) adaptor.

CORRECTION: As a correction to Bid Item 13.5 Pump Adaptor Connection with Two-Inch Drain: The settling ponds 1, 2, and 6 ends of the 6-inch diameter HDPE pipe shall be fitted with a threaded stainless steel adaptor to receive a 2-inch stainless steel ball valve.

CLARIFICATION: Table indicating inlet and outlet types for each pond, as given at pre-bid conference, is located on the Miscellaneous Pond Details drawing (5-R). The Concrete Spreader type designations are found on Concrete Spreader Details drawing (9-R).

CORRECTIONS/CLARIFICATIONS TO RFO NOT DISCUSSED AT PRE-BID

CORRECTION: Patricia A. Hickman Interim Director NOT Ken Ellison Director see Construction Sign Details (20-R)

CLARIFICATION: The HDPE Sheet welded to corrugated ditch liner bulkhead, and associated labor shall be incidental to and included in HDPE Corrugated Ditch Liner. See Concrete Spreader Details drawing (9-R).

CLARIFICATION: Installation of Underdrain, Seep Conveyance Drain and Manholes may require excavation at depths over five (5) feet as to ensure flow is directed into Manholes, Vault A and Channel 5. Proposed underdrain is in approximate locations of existing seeps and pools pointed out at pre-bid conference, however exact location of underdrain shall be determined once underdrain is excavated.

CORRECTION: As a correction to Bid Item 17.0 Underdrain the following has been added to specifications: Underdrain is to be located both horizontally and vertically to collect acidic subsurface flow and direct said flow into manholes. WVDEP agent onsite will verify acidic subsurface flow is captured prior to installation of underdrain components and shall verify underdrain construction prior to excavations being backfilled via photographs.

CLARIFICATION: Distance of HDPE channels from ponds are dependent upon type of concrete spreader for that individual inlet or outlet. See Miscellaneous Pond Details drawing (5-R), Concrete Spreader Details drawing (9-R) and revised Overview Map (2-R).

CORRECTION: Aqua-Fix Building Modification Details drawing (10-R). Note #2: Top of tote shall be fitted with a 2" schedule 40 pipe and a 2" female CAM-LOC fitting orientated horizontally as to ensure safe filling of tote. Pipe secured to tote using a bulk head fitting.

CORRECTION: For the following bid items Detectable Underground Utility Marking Tape shall be utilized in installation: 13.3 6-Inch Sludge Pipe, 16.1 HDPE Drive Water Line-4-Inch, 16.2 HDPE Water Line-8-Inch, 17.0 Underdrain, 18.0 Seep Conveyance Drain, 28.0 HDPE Conveyance Pipe-18-Inch.

The Detectable Underground Utility Marking Tape Specification has been added to the end of the specification section of the RFQ. The following has been added to specifications for each of the above items: See attached specification for Detectable Underground Utility Marking Tape.

CLARIFICATION FOR SPECIFICATIONS: The attached specifications listed (Sections 5.0, 11.6, 13.3, 13.4, 13.5, 16.1, 16.2, 17.0, 18.0, 28.0 and second page of the scope of work) has been revised for this project.

Specification Section: Detectable Underground Utility Marking Tape has been added.

Drawings revised for this project were 2, 5, 9, 10, 17, 19 and 20. Revised drawings have the designation "R" such as 2-R. These drawings are available in PDF format upon request from Candice Stone at 304-457-4588, ext. 43288 or 304-457-3219.

11. Construct two (2) lined sludge disposal cells (Bid Item # 13.1) with Sludge Cell Underdrain (Bid Item # 13.2)
12. Construct approximately seven hundred fifty (750) linear feet of fence to encompass proposed sludge disposal cells and approximately four hundred (400) linear feet in area adjacent to Channel 1 and install gates (Bid Item # 23.1). See attached Overview Map and Specifications. (Bid Item #23.0)
13. Install Flow Proportional Siphon System (Bid Item # 31.0). Six (6) inch HDPE pipe shall be paid as 6-Inch HDPE Sludge Pipe (Bid Item #13.3) Pipe is to discharge into proposed culvert that is to discharge into Channel 3. Six (6) Inch Gate Valve paid under Bid Item # 13.6. See attached Overview Map and Specifications.
14. Install approximately one hundred twenty (120) linear feet of HDPE drive water line. (Bid Item # 16.1)
15. Install approximately one hundred twenty (120) linear feet of Eight (8) inch HDPE pipe to treatment channel. (Bid Item # 16.2)
16. Install approximately seven hundred (700) linear feet of Underdrain (Bid Item # 17.0) to capture AMD and direct flow into proposed manholes.
17. Install approximately nine hundred (900) linear feet of Seep Conveyance Drain (Bid Item # 18.0) from manholes to Flow Proportional Siphon System Vault A and Channel 5.
18. Install five (5) pre-cast manholes along the Underdrain/Seep Conveyance Drain. Approximate location of each pre-cast manhole are shown on the attached Overview Map, however, location may be adjusted due to the field conditions as determined appropriate by the Engineer. (Bid Item # 19.0)
19. Construct Channel 5 to capture seepage south east of the AquaFix Unit and discharge from southern portion of Seep Conveyance Drain System. Channel 5 shall discharge into Channel 3 north of AquaFix Unit.
20. Install Secondary Chemical Treatment System in existing AquaFix Building (see attached specifications). Bid Item # 20.0.
21. Modify existing AquaFix Building by installation of secondary access door, channel grate, lime inlet distribution box, gable vent and lowering the Aqua Fix unit, Structure will also be painted. See attached diagram and specifications for Modify Existing Lime Dispensing Unit Structure. (Bid Item # 21.0).
22. Upgrade existing Aqua Fix Unit which shall include installation of Renewable Energy Vibrator System. See attached diagram and specifications. (Bid Item # 22.0)
23. Install Adjustable Speed Drive (Bid Item # 33.0) See attached drawings and specifications.
24. Clean, modify, and upgrade Settling Pond 1. (Bid Item #11.1)

5.0 REGRADING AND TOPSOILING

Concurrent regrading and topsoiling shall immediately follow backfilling and shall distribute topsoil or the best available material to support vegetation, as identified by the WVDEP on-site agent, on the surface of the backfill in a smooth, uniform manner. This item shall include the elimination of all rills and gullies, the construction of sediment control sumps, the removal of sediment control sumps, the grading of spoil and/or fill materials. Surface shall be free of all rock exceeding six inches (6-inches) in diameter and shall be tracked, track to track, with cleats parallel to the contour. Topsoil presently stockpiled on-site shall be preserved and spread on the fill surface. In the absence of stockpiled topsoil, material which can be used as a topsoil substitute shall be identified, segregated, and stockpiled for spreading on the surface. If necessary to manufacture fines, mechanical treatment to pulverize the surface layer shall be required. Regrading and topsoiling shall be conducted prior to and in preparation for the revegetation item. The acreage quantities in this contract are estimates for bidding purposes only. It shall be the contractor's responsibility to verify acreage for bidding purposes. The contractor shall not exceed the contract acres as specified from the Bid Schedule without written approval from the WVDEP, prior to any additional work being completed.

Note: Approximately 6.5 acres are within the fenced treatment/disposal area and approximately 2.5 acres are within the potential Borrow Area.

STRUCTURE AND/OR DEBRIS REMOVAL:

All existing man-made items particular to the site and not to be utilized in the total reclamation of this site shall be demolished (if necessary) and disposed of in a legal manner. All iron, steel, aluminum, or any other metal, plastic, or any other man made material, including but not limited to I-Beams, Angle Iron, Channel Iron, Corrugated Metal, Flat Metal, Floc Drums, Grease Drums, Tires, Pipe or Conduit is to be dismantled, removed and properly disposed of offsite and according to state, local, and federal requirements. Contractor must provide documentation of proper disposal. Concrete may be broken into sections no larger than four feet (4-feet) in any direction and buried on-site. Any rebar or reinforcing steel shall be removed to be flush with the surface of the concrete prior to burial and disposed of offsite. All existing pipes and sludge lines and associated hardware including valves, caps, etc. shall be property of WVDEP and stored onsite at a location determined by WVDEP agent onsite. Contractor shall make concerted effort to not damage pipes and sludge lines during removal. These items are not to be reused by contractor. Cost of debris removal, salvaging and placement of existing pipes shall be incidental to and included in Regrading and Topsoiling.

CLEAR AND GRUB:

All vegetative cover (trees, shrubs, bushes etc.) within the entire work area shall be removed to bare ground. It is the contractor's responsibility to obtain all necessary permits and to follow state guidelines for burning and proper disposal of vegetative materials. Disposal of the trees and shrubs on-site with a chipper is an acceptable alternative to burning. Cost of clearing and grubbing shall be incidental to and included in the cost of Regrading and Topsoiling bid item.

6.0 REVEGETATION

The actual seeding date, within the work performance period, shall be at the discretion of the contractor, but a permanent vegetative cover must be established. Verification of materials used shall be required for payment. Seed bed preparation, unless otherwise approved, shall be conducted by industrial disks or tracking with heavy equipment with cleat marks across slope and parallel to the final contours. The surface shall be tracked, track to track. Seeding shall commence after seedbed preparation on a loose and uncompacted soil and with the approval of the WVDEP. Contractor shall provide equipment as necessary to secure approval of the seedbed. Revegetation activities shall be carried out in a continuous, concurrent, timely and uniform manner. Failure to do this may result in nonpayment for portions of or the entire Revegetation item. Hydroseeding or broadcast seeding with the approved species is acceptable. The application rate may be increased but the ratio is to remain constant, but no additional monetary compensation will be awarded. Areas outside the limits of construction, disturbed by the contractor, shall

Modification of Pond Six will include moving Pond Six to the South East approximately fifteen (15) feet as to allow of widening of New Haul Road/Access Road One, removing the existing discharge pipe and replacing discharge pipe with new a eighteen inch (18-inch) Type S HDPE culvert pipe. New discharge pipe shall be placed within the proposed grouted riprap emergency spillway (see attached detail and specifications). Pond Six shall have a top width of approximately thirty-five feet (35-feet) and top length of one hundred fifteen feet (115-feet) at water level. The pond shall have a water depth of approximately six feet (6-feet) to eight-feet (8-feet), with two-feet (2-feet) of freeboard. The total volume capacity (not including freeboard) shall be approximately eighteen thousand five hundred cubic feet (18,500-feet³).

The pond liner shall be embedded placed into the Outlet Gutter (Bid Item # 32.0) as to minimize potential leakage between liner and Outlet Gutter. See attached detail and specifications.

The emergency spillway shall be re-worked to incorporate construction of a grouted riprap drive-thru spillway and Outlet Gutter. The emergency spillway shall contain durable rock placed in a 2.0 foot thick blanket. Twenty-five percent (25%) of the rock will be 18 inches or larger. Ten percent (10%) of the rock shall be no smaller than six (6) inches. The remaining sixty-five percent (65%) of the rock shall be well graded between six (6) and eighteen (18) inches. In-place rammed or hammered rock shall be acceptable. The grout filler shall be composed of a mixture of one part Type II (sulfate resistant) Portland cement and three parts sand, mixed with water to produce a workable consistency. The stone shall be thoroughly wet immediately before grout is applied. As soon as the grout is deposited on the surface, it shall be thoroughly worked into the joints. The stones shall then be brushed, so that their top surfaces are exposed. Grout shall penetrate 100% of the riprap thickness. Cost of pond liner, grouted drive-thru spillway shall be incidental to and included in the cost of Pond Cleaning and Modification.

11.6 ELIMINATE EXISTING SLUDGE CELLS

Existing sludge disposals cells shall be eliminated by dewatering with pumps, backfilling with all available spoil material and regrading areas to sheet flow. Water shall be pumped from existing sludge cells prior to cell elimination.

12.0 NEW HAULROAD/ ACCESS ROAD ONE

Construct Access Road One beginning north of the proposed Sludge Disposal Cells, continue in a southerly direction for approximately one thousand six hundred (1,600) linear feet and terminate just south of proposed culvert in existing access road. Construction of a turn-around area, minimal size of twenty (20) feet wide and one hundred thirty (130) feet long shall be constructed and paid per linear foot as length of road. In areas where roadway is to curve around ponds 2 and 6 roadway is to widen to twenty (20) feet at no additional cost. Accompanying plans show the details of the construction of the road. The contractor shall provide all services, materials, construction layout, equipment, or other materials necessary to execute the work. See attached Overview Map and Specifications.

Payment shall be for completed length of road and shall include engineering fabric, labor/equipment, stone, and any truck turn-around areas (which shall be paid as length of road). Any turn-around area locations shall be designated by the WVDEP on-site agent.

CONSTRUCTION METHOD:

SITE PREPARATION

Any areas with soft unsuitable foundation materials shall be undercut to remove this material. The material removed shall be disposed of within the construction area at a site agreed to between the contractor and the

construction. This pond shall be dugout in nature to facilitate its future reclamation. The exit channel spillway shall consist of a one foot riprap V-ditch and shall be included in and incidental to this Bid Item. Exit channel spillway shall cross proposed culvert as shown on the overview map and discharge into the existing swell leading into existing Channel 3. Payment will be for each sludge disposal cell completed upon approval of the WVDEP on-site agent.

13.2 SLUDGE CELL UNDERDRAIN

Install approximately two hundred and fifty (250) linear feet of sludge cell underdrain. An underdrain shall be excavated and installed according to the attached drawings and specifications. This component of the sludge cell shall consist of a three foot deep by four foot wide (3-foot D X 4-foot W) trough lined with filter fabric. The trough shall be excavated down the side and along the entire bottom of the cell. Starting at ground level, the six-inch (6-inch) SCH 35 PVC perforated pipe shall run the entire length of the trough. A SCH-35 PVC cap shall be placed on the high end of the pipe to allow for future maintenance. The six-inch (6-inch) pipe shall be surrounded by ¼-inch to 3/8-inch pea gravel which will then have a twelve-inch (12-inch) layer of sand placed on top. The sand layer shall be clean and graded filter media with an effective size of 0.6 mm to 0.8 mm and a uniformity coefficient of less than 2.0. Filter media must be certified by quarry or lab to meet the listed specifications PRIOR to placement. A layer of non-woven filter fabric shall separate the pea gravel and the sand.

The drain line for the underdrain shall be Six-Inch HDPE Sludge Pipe (a separate bid item) and shall connect to the six inch (6-inch) SCH 35 PVC pipe at the end of the underdrain as indicated on the attached drawing. The drain line shall be fitted with a six inch gate valve (a separate bid item) and have the capability to discharge into Channel 4 via the Six-Inch HDPE Sludge Pipe. The pipe shall be buried with a minimum of two and one-half feet (2.5-feet) of cover to avoid freezing.

Excavation necessary to construct trough, furnishing and placement of filter fabric, liner, aggregate, labor, and all materials specified above and on the attached drawing, and all other work necessary for the acceptable installation of the underdrain will not be measured but shall be considered incidental to and included in this bid item. Payment shall be for each sludge cell underdrain installed and verified by WVDEP on-site agent. The method of measurement for payment shall be on a linear foot basis measured along the centerline of the sludge cell underdrain not including section of solid pipe extending through embankment.

13.3 SIX- INCH HDPE SLUDGE PIPE

Install approximately two thousand linear feet (2,000 LF) of 6-inch diameter, SDR 15.5 or 17 HDPE of standard manufacture. Install to manufacturers recommendations. Install the pipe as indicated in the specifications and/or as shown on the drawings.

This 6-inch HDPE pipe shall be used for sludge line. Provide all materials, equipment and personnel necessary for installation. The pipe shall be buried with a minimum of two and one-half feet (2.5-feet) of cover to avoid freezing. Use butt weld fusion process to join pipes. A qualified fusion technician shall supervise the fusion of all joints. See site plan for location and additional specifications. Payment shall be for the actual length of pipe installed. See attached specification for Detectable Underground Utility Marking Tape.

13.4 PUMP ADAPTOR CONNECTION

The settling ponds 3, 4 and 5 ends of the HDPE 6-inch diameter sludge line pipe shall be fitted with a threaded stainless steel adaptor to receive a 6-inch cam-lock (lockable style) adaptor. Install one (1) four (4) inch pressure treated post on each side of sludge line pipe near roadway for a total of two (2) posts at each

location to protect outlet from damage. Use riprap around pipe as necessary. Include a cam-lock lockable cap for sealing each adaptor. The cap shall withstand pressures developed during pumping at other pumping points. The sludge disposal cell ends of sludge line pipe will be the same as the settling pond ends. All threads shall be treated with anti-seize coating. Payment shall be for each location installed.

13.5 PUMP ADAPTOR CONNECTION WITH 2-INCH DRAIN

The settling ponds 1, 2, and 6 ends of the 6-inch diameter HDPE pipe shall be fitted with a threaded stainless steel adaptor to receive a 2-inch stainless steel ball valve. A six-inch (6-inch) by two-inch (2-inch) HDPE reducer shall be used to reduce down to the smaller pipe size. Install pressure treated posts or pipes to protect outlet from damage. Use butt weld fusion process to join fittings to pipes. Use riprap around pipe as necessary. All threads shall be treated with anti-seize coating. Payment shall be for each location installed, and the 2-inch valve and 6-inch wye shall be incidental to this pay item.

13.6 SIX - INCH GATE VALVE

One 6 inch 316 grade stainless steel knife gate valve with flanged ends shall be provided and installed on the flanged end of the 6-inch diameter HDPE line. A piece of thirty (30) inch diameter HDPE pipe and insulated metal cap shall be provided for a riser to access the valve. Appropriate rubber flange gaskets, all HDPE flanges, and stainless steel bolts/nuts shall also be incidental to this bid item. All threads shall be treated with anti-seize coating. Payment shall be for each location installed.

13.7 WYES (6 INCH HDPE LATERALS 45°)

Wyes shall be of standard manufacture for 6 inch diameter HDPE pipe to allow 45° junction. Use butt weld fusion process to join fittings to pipes. A qualified fusion technician shall supervise the fusion of all joints. Payment shall be for each location installed.

14.0 HDPE CORRUGATED DITCH LINER

I. DESCRIPTION OF WORK

- a. This work shall include furnishing all labor, equipment and materials to install the HDPE Corrugated Ditch Liner. The HDPE Corrugated Ditch Liner shall include the installation kit and any other appurtenances necessary to complete the installation. The HDPE Corrugated Ditch Liner shall be as manufactured and provided by Penda Corporation as SmartDitch™ or an approved equivalent.

II. APPLICABLE PUBLICATIONS

- a. The following documents can be referenced to indicate specific manufacturing and material performance capabilities:
 - i. ASTM D618 - Practice for Conditioning Plastics for Testing
 - ii. ASTM D638 – Test Method for Tensile Properties of Plastics
 - iii. ASTM D746 – Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
 - iv. ASTM D883 – Terminology Relating to Plastics
 - v. ASTM D1238 – Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
 - vi. ASTM D1505 - Test Method for Density of Plastics by the Density-Gradient Technique
 - vii. ASTM D1506 – Test Method for Carbon Black – Ash Content
 - viii. ASTM D1693 – Test Method for Environmental Stress-cracking of Ethylene Plastics

Smart Ditch is an approved supplier of HDPE Corrugated Weir.

Approved Manufacturer: Penda Corporation
 2344 W. Wisconsin Street
 Portage, WI 53901
 (866) 576-2783
www.smartditch.com

16.0 HDPE WATER LINE

Pipe shall be buried at least 2.5 feet deep. Use butt weld fusion process to join pipes. A qualified fusion technician shall supervise the fusion of all joints. Payment shall be for the actual length of pipe installed. Provide all materials, equipment and personnel necessary for installation.

16.1 HDPE DRIVE WATER LINE-4-INCH

Pipe shall be four inches (4-inches) in diameter. SDR 15.5 or 17 HDPE of standard manufacture. Install to manufactures recommendations. The piping shall extend from the distribution box of the Flow Proportional Siphon System to the tee in the existing AquaFix Unit (see attached drawings). See attached specification for Detectable Underground Utility Marking Tape.

16.2 HDPE WATER LINE-8-INCH

Pipe shall be eight inches (8-inches) in diameter. SDR 15.5 or 17 HDPE of standard manufacture. Install to manufactures recommendations. The piping shall extend from the distribution box of the Flow Proportional Siphon System to the inlet of the existing AquaFix Unit flume as (see attached drawings).

Pipe shall be buried at least 2.5 feet deep. Use butt weld fusion process to join pipes. A qualified fusion technician shall supervise the fusion of all joints. Payment shall be for the actual length of pipe installed. Provide all materials, equipment and personnel necessary for installation. See attached specification for Detectable Underground Utility Marking Tape.

17.0 UNDERDRAIN

Install approximately seven hundred linear feet (700 LF) of Underdrain. Collection Underdrains shall be constructed to collect all seep water and convey to the proposed manholes. Underdrain is to be located both horizontally and vertically to collect acidic subsurface flow and direct said flow into manholes. WVDEP agent onsite will verify acidic subsurface flow is captured prior to installation of underdrain components and shall verify underdrain construction prior excavations being backfilled via photographs. The collection Underdrain shall be 4-foot X 4-foot in cross-section. Stone for the Underdrain shall be non-calcareous with a size of 3-inch to 6-inch in diameter. The drain shall be wrapped with nonwoven filter fabric (Tyvar 3401 or equivalent). A 12-inch perforated SDR-35 PVC pipe shall extend the length of the Underdrain and discharge into the manholes. The solid pipe (Seep Conveyance Drain Bid Item # 18.0) shall daylight into Channel 5 and Flow Proportional Siphon System Vault A. The perforated end of the 12-inch pipe underdrain shall extend to the surface as a clean-out and may be reduced to 6-inch diameter pipe with a cap. A minimum of 40 mil HDPE synthetic liner shall cover the bottom and lower side/ends of the Underdrain.

Cover the Underdrain with a minimum of one foot (1-foot) of material and grade the surface so it is well drained. Material on the downslope side of the drain shall be impervious to prevent leakage from the Underdrain to the surface. Excavation necessary to construct Underdrain, furnishing and placement of filter fabric, aggregate, all fittings necessary for installation, all materials specified above and on the attached drawing, and all other work necessary for the acceptable installation of the Underdrain, including pumping will not be measured but shall be considered incidental to the construction of the respective Underdrain and shall be incidental to this bid item. See attached drawing and specification. Water shall be pumped from underdrain trench during construction. Water shall be directed to Aquafix unit for treatment and use as drive water.

Payment for each underdrain is for complete installation and verified by WVDEP on-site agent with photos. The method of measurement for payment shall be on a linear foot basis measured along the centerline of the Underdrain. See attached specification for Detectable Underground Utility Marking Tape.

18.0 SEEP CONVEYANCE DRAIN

Install approximately nine hundred (900) linear feet of Seep Conveyance Drain. Seep conveyance drains shall be constructed to convey all seep water from manholes to Flow Proportional Siphon System and Channel 5. A 12-inch solid SDR-35 PVC pipe shall extend from manholes to either Flow Proportional Siphon System or Channel 5 as shown on attached Overview Map. Drain(s) shall be placed on a consistent slope of 0.5% or as determined by Engineer during construction. Note: Seepage shall be conveyed to Channel 5 only from manholes (most southerly manhole(s)) that elevation does not permit conveyance from those manholes to Flow Proportional Siphon System. The solid pipes shall daylight into Channel 5 and Flow Proportional Siphon System Vault A. Two clean-outs with solid 12-inch diameter pipe and cap shall be installed at locations determined by WVDEP agent on-site. Animal guards shall be constructed and installed on the exit of the pipe as shown in the attached detail for pipe exiting into Channel 5. The animal guards must be installed the same day to prevent animal entry during non-work time.

Cover the seep conveyance drain with a minimum of one foot (1-foot) of material and grade the surface so it is well drained. Provide all fittings necessary for installation. See attached drawings and specification. All materials specified above and on the attached drawings shall be incidental to this bid item. Excavation necessary to construct the seep conveyance drain, bedding material, erosion control matting (where required), cleanouts and all other work necessary for the acceptable installation of the seep conveyance drain, including pumping will not be measured but shall be considered incidental to the construction of the respective seep conveyance drains. Water shall be pumped from Seep Conveyance Drain trench during construction. Water shall be directed to Aquafix unit for treatment and use as drive water.

Payment for seep conveyance drain is for complete installation and verified by WVDEP on-site agent with photos. The method of measurement for payment shall be on a linear foot basis measured along the centerline of the seep conveyance drain. See attached specification for Detectable Underground Utility Marking Tape.

19.0 PRE-CAST MANHOLE

Install five (5) pre-cast manholes along the Underdrain. See attached detail for specifications. See attached Profile Map for approximate elevations; elevations may be adjusted due to site conditions as determined by the Engineer.

The manhole shall be "Type A" as specified by the West Virginia Department of Highways or shown on drawings. The elevation and height of the manhole shall be determined according to the invert of the 12-inch SDR-35 PVC pipe exiting the underdrain (see Hydraulic Profile drawing). Excavation shall be completed to the elevation determined by the underdrain excavation. Undercutting shall be required if competent foundation conditions are not encountered. Compacted crushed stone in 6-inch layers (1 foot minimum) shall be placed under manhole for bedding. See attached Manhole Lid Details for lid specifications. Entrance and exit pipes shall extend four (4) inches past the manhole interior wall. The exit pipe is a 12-inch SDR 35 pipe. This pipe shall be paid under a separate bid item. All predetermined openings shall use Z-Loc brand or equal type rubber boots with stainless steel band clamps to seal around pipes. Ensure that the all pipes without rubber boots are sealed into the manhole wall (use of mastic sealant followed by hydraulic cement grout or as approved by the WVDEP Engineer is required). The purpose of the manhole is to establish a collection point to convey seepage to proposed Flow Proportional Siphon

- i. This REVS shall be a standalone system. The installation site is remote with NO ELECTRICAL GRID for power supply. There shall be an itemized energy budget displaying equipment energy requirements, energy generating capacity, and energy storage capacity of the system to WVDEP OSR for approval prior to installation. The WVDEP Engineer shall provide the silo size and type of material used for chemical water treatment.
 - ii. At the completion of installation, the contractor shall be responsible for the system start-up and verify that the system is operating properly. After the system comes online and is operating properly, the contractor must provide onsite training of the REVS to WVDEP OSR staff. Technical support shall be provided at NO CHARGE to the WVDEP for a period of one (1) year from the date of start-up.
 - iii. Cycle interval shall be every hour and duration time is one minute.
- c. VIBRATOR
- i. The vibrator shall be a Vibco, Inc. Model DC-300, 24 DC Volt/8 amps OR an approved equivalent, delivering a minimum Force Impact of 350 lbs. at a speed of 4,000 VPM. The vibrator shall be controlled by a prewired control panel providing H – O – A switch, intensity switch, and a timer. The timer circuit shall have 0 – 300 minute cycle ability for both on and off. The vibrator and controls shall operate on 24 volt direct current provided by either solar panels or battery(s). The vibrator shall be mounted to the silo 1/3 of the way up the cone section (measure from the bottom of the cone). A 1' x 3' x ¼" plate shall be welded to the exterior of the cone at the location of the vibrator installation. A 3' x 4" X 7.25 lbs/LF C-channel shall be welded to the plate. The manufacturer supplied plate shall be welded at the proper location to the C-channel, then connect the vibrator to plate using the manufacturer supplied bracket. There shall be a minimum of 20 feet of electrical service line provided to connect the vibrator control panel to the vibrator.
- d. RENEWABLE ENERGY SOURCE
- i. This REVS system shall be a standalone. The installation site is remote with NO ELECTRICAL GRID for power supply. The system shall be capable of operating 24 hours per day for a period of four (4) days without a system recharge, and shall have the capability to fully recharge the system under load in 48 hours.

compacted earth. Belled ends of culvert sections shall be orientated upslope.

The culvert shall be imbedded in a formed trench to a depth no less than 1/10 the outside diameter of the pipe. Selected backfill material shall be placed around the culvert in four (4) inch layers and thoroughly compacted by means of hand tamping or manually directed power tampers or plate vibrators. The culvert shall be covered with a minimum of two (2) feet of material.

Payment shall be for length of culvert installed, and any riprap for rock aprons, headwalls and end walls shall be incidental to and included in this bid item.

28.0 CONVEYANCE PIPE - 18-INCH

Install approximately two hundred seventy five (275) linear feet of 18-inch conveyance pipe. Pipe(s) shall be 18-inch diameter, SDR 15.5 or 17H DPE of standard manufacture. Conveyance pipes shall be constructed to convey water from Channel 6 to Pond 2 and from Channel 7 to Pond 4 as shown on attached Overview Map. Pipes shall be placed on a consistent slope of 2.0% or as determined by Engineer during construction.

Provide all materials, equipment, personnel and fittings necessary for installation which shall include joining pipe (s) with the HDPE liners of Channels 6 and 7. Excavation necessary to install the pipes and all other work necessary for the acceptable installation of the conveyance pipe will not be measured but shall be considered incidental to the installation of the respective conveyance pipe. Use butt weld fusion process to join pipes. A qualified fusion technician shall supervise the fusion of all joints. See attached Overview Map and specifications. Payment shall be for the actual length of pipe installed. The method of measurement for payment shall be on a linear foot basis measured along the centerline of the pipe. See attached specification for Detectable Underground Utility Marking Tape.

29.0 LIMESTONE BED

Limestone Bed One (1) shall be placed within Pond 5 as shown on the attached Overview Map. Limestone Bed 1 shall be constructed by means of placing a layer of woven engineering fabric (fabric for separation) on liner as a protective barrier between limestone and liner. Contractor shall then place a minimum of 450 tons of WVDOH #57 limestone on fabric for separation using caution to not damage liner during placement operations. Limestone bed shall be divided perpendicular to flow by means of placing a single layer of woven (fabric for separation) mid length of bed. See attached Overview Map and Limestone Bed Detail drawing. During construction of Limestone Bed One a layer of safety barrier shall be installed as shown on attached Limestone Bed Detail.

Payment for Limestone Bed shall be per each. Cost of fabric for separation, safety barrier, limestone, materials, equipment and personnel associated with installation of limestone bed shall be incidental to and included in the cost of this bid item.

30.0 BAFFLE CURTAIN

The baffle curtain shall be of an ultraviolet (UV) resistant type vinyl coated polyester material with a minimum total weight rating of 17 oz. /sq. yd. Styrofoam floats of minimum size 3"x4"x24" shall be hot seam sealed into the top of baffle curtain, and shall be evenly spaced 4 inches apart end to end. A grommet shall be placed between each of the Styrofoam floats. A 1/4 inch diameter stainless steel wire cable shall be seamed into the top of the baffle to anchor at the sides of the pond, and shall extend 10 feet past the cut length of the baffle curtain on each end. A 5/16 inch diameter link chain shall be hot seam sealed into the bottom of the baffle for weight. Curtain shall have aluminum plates attached at each end through the top hot seam to create another anchor point for the curtain. A shackle shall be attached through the plates.

- Contractor shall select filter bags that are of adequate size to accommodate flow rate of pump used.
- The filter bag shall be placed on an aggregate or hay bale bed to maximize water flow through the entire surface area of the bag.
- The filter bags must be inspected frequently during pumping operations and repaired or replaced once the filter bag is no longer functioning as designed.
- The filter bag is full when it no longer can effectively filter sediment or pass water at a reasonable rate.
- Sediment from the filter bags may be left onsite and vegetated, however filter bags must be disposed of offsite.

END OF GEOTEXTILE FILTER BAG SPECIFICATIONS

DETECTABLE UNDERGROUND UTILITY MARKING TAPE

I. SPECIFICATIONS

A. Tape consists of a minimum 5.0 mil overall thickness, with a 0.35 mil solid aluminum foil core. Construction is 0.8 mil clear film, reverse print with repeating warning message and laminated to an aluminum foil to 3.75 mil clear film backing, making the film permanently printed and pliable. The lettering on all tapes must have a minimum height of 1-inch unless otherwise specified. All detectable marking tape products must meet or exceed the industry standards including the American Public Works Association (APWA) color code. Maximum detectable burial range is twenty two (22) to thirty (30) inches.

II. APPLICABLE PUBLICATIONS

A. The following documents can be referenced to indicate specific manufacturing and material performance capabilities:

1.	Thickness	ASTM D 2103	5.0 mil
2.	Tensile Strength	ASTM D 882	35 lbs/inch (15,000 PSI)
3.	Elongation	ASTM D 882-75B	80%
4.	Flexibility	ASTM 671-76	Pliable hand
5.	Printability	ASTM D 2578	45 Dynes
6.	Colors	APWA Coded	See list below
7.	Bond Strength	Boiling Water	5 hours without peel
8.	Adhesives	Manufacturers specs	Morton 548 or equivalent
9.	Bottom Layer	Manufacturers specs	Virgin PE
10.	Top Layer	Manufacturers specs	Virgin PET
11.	Foil	Manufacturers specs	0.00035
12.	Message Repeat	Manufacturers specs	Varies per legend
13.	Inks	Manufacturers specs	AKL II

III. COLOR CODE

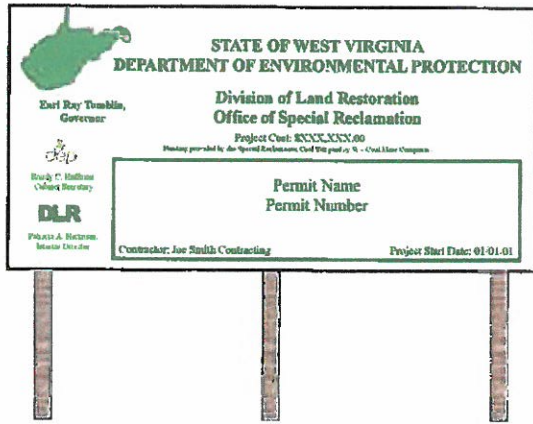
- A. RED – Electric, power lines/cables, lighting, fire, and associated lines
- B. ORANGE – Telecommunications, telephone, fiber optic, alarm or signal lines
- C. YELLOW – gas, oil, steam, petroleum, and associated lines
- D. GREEN – Sanitary, storm drains, and associated lines
- E. BLUE – Potable water and associated lines
- F. BROWN – Force Mains and associated lines
- G. PURPLE – Reclaimed water, non-potable water, irrigation, slurry lines

IV. INSTALLATION

a. General

- i. Detectable Underground Marking Tape shall be installed one foot +/- 3" above the utility (pipe, underdrain, etc.) and shall be placed directly above and parallel with utility in a continuous run. Any splices in tape shall have a minimum of 2 foot overlap.

END OF DETECTABLE UNDERGROUND UTILITY MARKING TAPE SPECIFICATIONS



General Requirements

Project Construction Sign

Work Required

The work to be performed under this Section consists of providing all labor, material and equipment necessary to install a project sign as indicated on the details included herein and as specified herein.

Materials

- (a) **Exist. Post** for the project sign shall be one (1) coat Exterior-Grade Wood Primer-Sealer, and two (2) coats Exterior-Grade Enamel by Glidden or equivalent.
- (b) **Wood.** Sign face shall be 1/2" x 4" x 8' Marine Laminar plywood, 4" x 4" x 12' posts and 2" x 4" cross braces shall be pressure treated.
- (c) **Hardware.** All hardware shall be manufactured from good, commercial-quality material and be rust resistant such as galvanized coated.

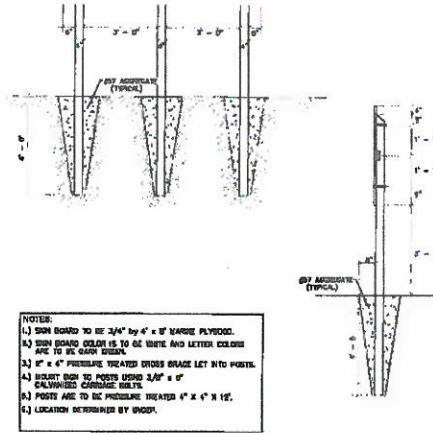
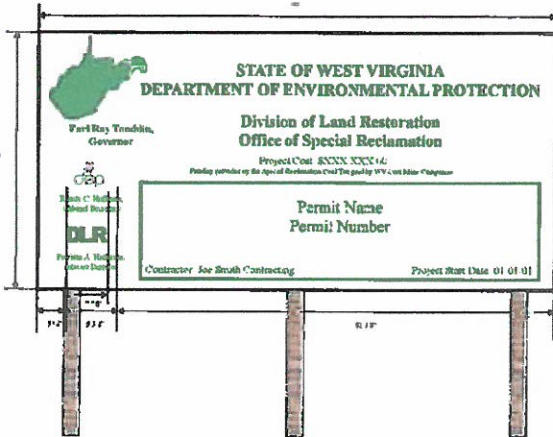
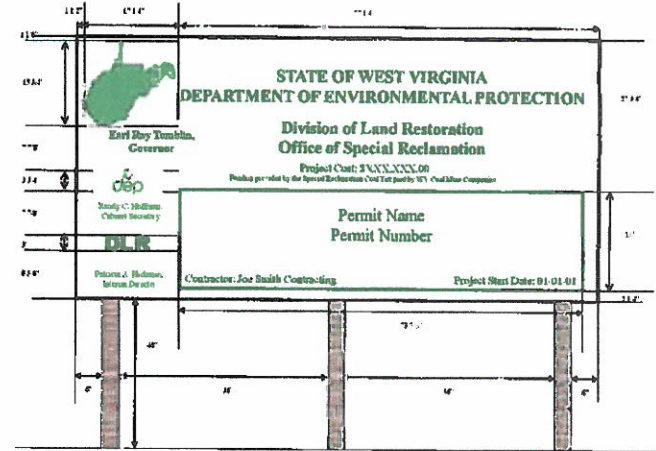
Erection

(a) **Project Sign.** The signboard shall be cut to the dimensions shown on the details herein. The sign shall be painted with one (1) coat of primer and two (2) coats of white enamel. All exterior cut edges shall be smooth sanded prior to painting. All edges shall be double primed. The letters, border and strips shall be painted as shown on the detail drawing.

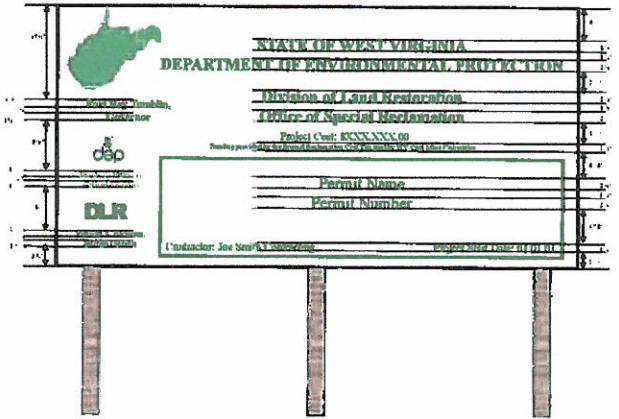
The Contractor shall bolt the sign in posts and provide required cross bracing. The posts and sign shall be encased and posts set in gravel bases, as shown on the drawings. One (1) sign is required and is to be located at the direction of WADRP.

(b) **Excavation.** Payroll for the work which shall include installation of the project sign shall be incidental to the lump sum bid item for "Mobilization/Demobilization"

Note: No construction work shall commence prior to the project sign being installed.



- NOTES:**
- 1.) SIGN BOARD TO BE 3/4" x 4" x 8' MARINE PLYWOOD.
 - 2.) SIGN BOARD COLOR IS TO BE WHITE AND LETTER COLORING ARE TO BE GLOSS BLACK.
 - 3.) 2" x 4" x 6' PRESSURE TREATED CROSS BRACE LET INTO POSTS.
 - 4.) BOLT NUT TO POSTS USING 3/8" x 6' GALVANIZED CORROSIVE RESIST.
 - 5.) POSTS ARE TO BE PRESSURE TREATED 4" x 4" x 12'.
 - 6.) LOCATION DETERMINED BY WADRP.



OFFICE OF SPECIAL RECLAMATION
254 INDUSTRIAL DRIVE
OAK HILL, WV 25901
OFFICE: 1-800-485-1911
FAX: 1-304-425-2001

DEP CONTRACT NO. 16289
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

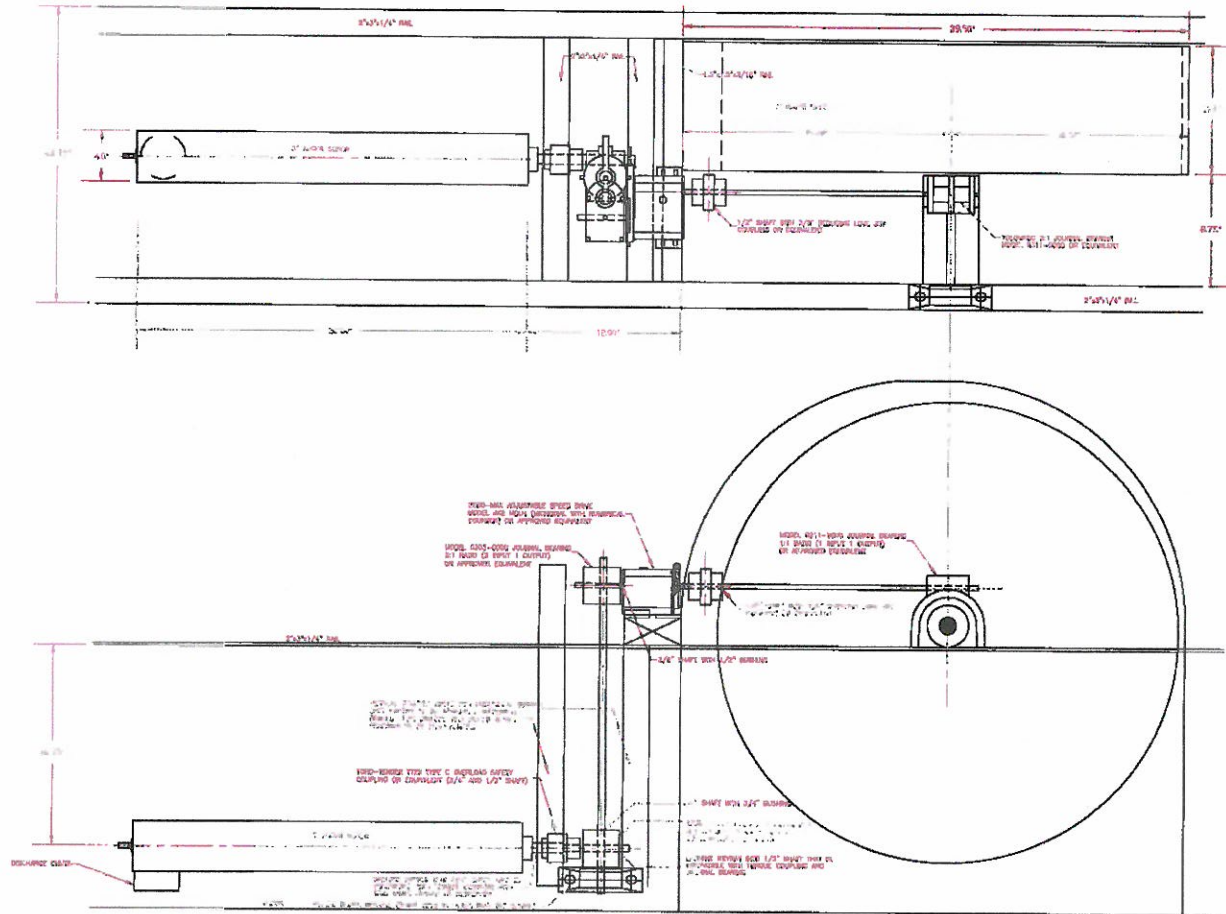
dep Division of Land Restoration
Office of Special Reclamation

REVISIONS		
DATE	BY	OF

ED-E DEVELOPMENT COMPANY INC
PERMIT S-1032-86
DEP 16299
PRESTON COUNTY, WEST VIRGINIA

CONSTRUCTION SIGN DETAILS
SCALE: NONE
DATE: MAY 2013

SHT. NO.
20-R
TOTAL
20

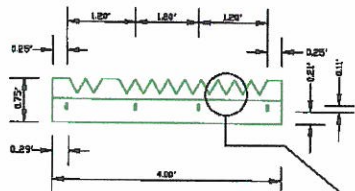


DRIVE LINE SCHEMATIC
NEW CONFIGURATION - SHAFT OPTION
PLAN VIEW - RTS

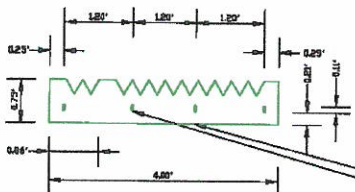
- NOTE:
1. ALL SHAFTS SHALL BE COLD ROLLED STEEL.
 2. ALL MECHANISMS WITH GREASE FITTINGS SHALL BE FITTED WITH HYDRAULIC GREASE HOSES. HOSES SHALL BE CONCENTRATED ON A COMMON GREASE BID IN A LOCATION TO BE DETERMINED BY WOSP FOR EACH SITE.

3. ADJUSTABLE SPEED DRIVE AND COMPONENTS DEPICTED ON SIDE OF WHEEL OF EXISTING DOG, HOWEVER ADJUSTABLE SPEED DRIVE AND COMPONENTS MAY BE PLACED ON OPPOSITE SIDE OF WHEEL IF ALTERNATE PLACEMENT ALLOWS FOR BETTER ALIGNMENT.

OFFICE OF SPECIAL RECLAMATION 264 INDUSTRIAL DRIVE CAX HILL, WV 25901 OFFICE: 1-304-485-1811 FAX: 1-304-465-0031	DEP CONTRACT NO. 16299	Division of Land Reclamation Office of Special Reclamation	REVISIONS DATE BY CA	ED-E DEVELOPMENT COMPANY INC PERMIT S-1032-36 DEP16299 PRESTON COUNTY, WEST VIRGINIA	ADJUSTABLE SPEED DRIVE DETAILS		SHY. NO. 19-R
	DESIGNED BY: LLR DRAWN BY: KAH CHECKED BY: MLP APPROVED BY:		SCALE: NTS		DATE: MAY 2013	TOTAL 20	



WEIR PLATE DETAIL
EFFLUENT SIDE - NTS



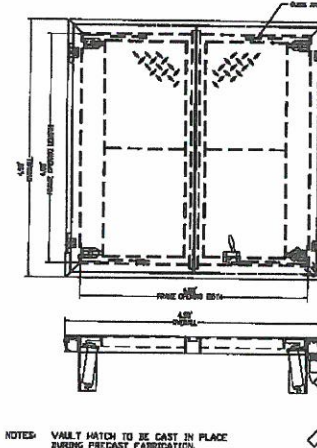
WEIR PLATE DETAIL
INFLUENT SIDE - NTS

NOTES: WEIR PLATE LOCATED ON THE EFFLUENT SIDE OF THE TROUGH SHALL HAVE 11 WEIRS, 2-WEIRS FOR DRIVE WATER AND 9-WEIRS FOR AMD TO BE TREATED.

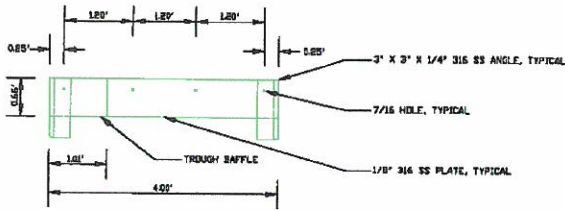
NOTES: WEIR PLATE LOCATED ON THE INFLUENT SIDE OF THE TROUGH SHALL HAVE 11-WEIRS, 2-WEIRS FOR DRIVE WATER AND 9-WEIRS FOR AMD TO BE TREATED.

INCHES	GALLONS PER MINUTE		
	1-WEIR	4-WEIRS	10-WEIRS
0.1	0.01	0.04	0.17
0.2	0.04	0.16	0.69
0.3	0.09	0.36	1.51
0.4	0.17	0.67	3.02
0.5	0.28	1.12	5.05
0.6	0.43	1.71	7.80
0.7	0.61	2.46	11.32
0.8	0.84	3.36	16.14
0.9	1.11	4.44	22.60
1.0	1.43	5.71	29.70
1.1	1.80	7.19	37.36
1.2	2.21	8.86	45.73
1.3	2.68	10.74	54.82
1.4	3.22	12.87	64.70
1.5	3.80	15.20	75.40
1.6	4.44	17.77	87.74
1.7	5.16	20.64	101.42
1.8	5.92	23.68	116.25
1.9	6.73	27.02	132.81
2.0	7.58	30.68	150.92
2.1	8.48	34.63	170.20
2.2	9.43	38.88	191.26
2.3	10.43	43.44	213.67
2.4	11.48	47.91	237.40
2.5	12.58	52.64	262.16
2.6	13.73	57.64	288.67
2.7	14.93	62.90	316.63
2.8	16.18	68.44	346.74
2.9	17.48	74.26	378.42
3.0	18.83	80.34	411.14

BILCO TYPE JD-2AL 4.0' X 4.0' OR EQUIVALENT



NOTES: VAULT HATCH TO BE CAST IN PLACE DURING PRECAST FABRICATION.



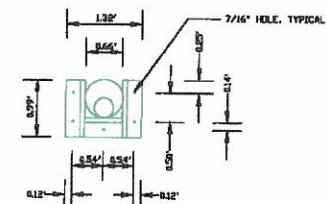
TROUGH DETAIL
NTS

NOTES: ALL HARDWARE SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.

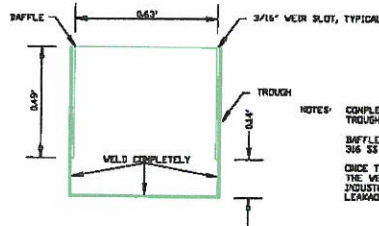
ATTACH WEIRS TO TROUGH WITH 3/8\"/>

TROUGH SHALL BE ANCHORED TO THE CONCRETE WITH 3/4\"/>

INDUSTRIAL SILICONE SHALL BE PLACED BETWEEN THE TROUGH AND CONCRETE IMMEDIATELY PRIOR TO INSTALLING THE TROUGH.



TROUGH DETAIL
BOTH ENDS - NTS

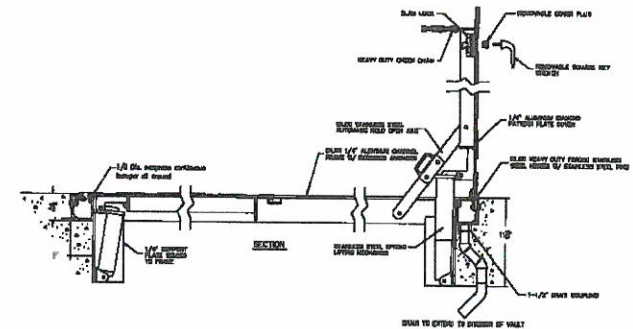


TROUGH BAFFLE DETAIL
CROSSSECTION - NTS

NOTES: COMPLETELY WELD BAFFLE TO TROUGH AT ALL POINTS OF CONTACT.

BAFFLE SHALL BE MADE OF 1/8\"/>

ONCE THE WEIR PLATES ARE INSTALLED, THE WEIR SLOT SHALL BE SEALED WITH INDUSTRIAL SILICONE TO ELIMINATE LEAKAGE.



VAULT HATCH DETAIL
NTS

OFFICE OF SPECIAL RECLAMATION
294 INDUSTRIAL DRIVE
OAK HILL, WV 25901
OFFICE: 1-304-455-1911
FAX: 1-304-485-0031

DEP CONTRACT NO. 16280
DESIGNED BY: LLR
DRAWN BY: LLR
CHECKED BY: DBM
APPROVED BY: DBM

dep Division of Land Reclamation
Office of Special Reclamation

REVISIONS		
DATE	BY	REV

ED-E DEVELOPMENT COMPANY INC
PERMIT S-1032-06
DEP16299
PRESTON COUNTY, WEST VIRGINIA

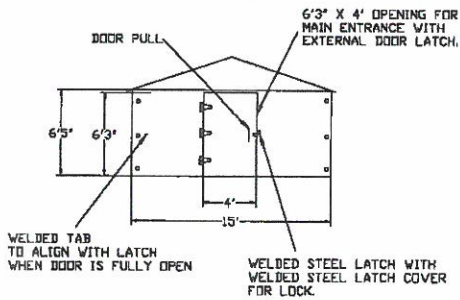
FLOW DEPROPORTIONAL SIPHON SYSTEM
DISTRIBUTION BOX DETAILS

SCALE: NTS

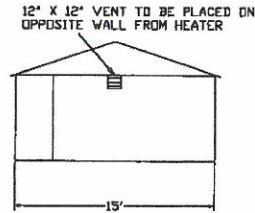
DATE: MAY 2013

SHT. NO.
17-R
TOTAL
20

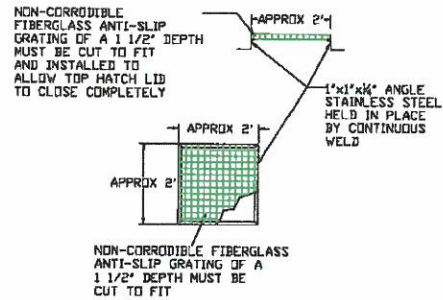
4' WIDE DOOR



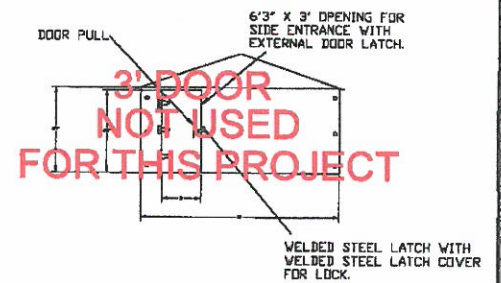
VENT DETAIL



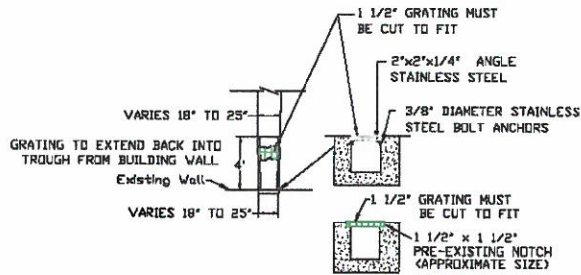
TOP HATCH DETAILS



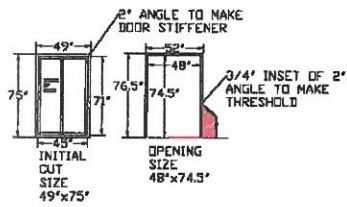
3' WIDE DOOR



TROUGH GRATING DETAILS

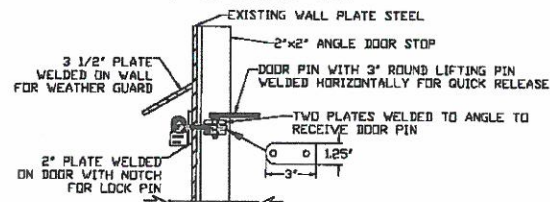


4' WIDE DOOR DETAILS

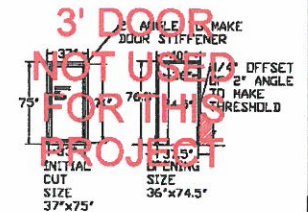


- NOTES 1. NEED 44 FEET OF 2 INCH X 2 INCH ANGLE, 8 INCH THICK FOR OPENINGS AND DOOR STIFFENER
- 2. ALL ANGLE STIFFENERS SHALL BE ON THE INSIDE OF BUILDING AND DOOR
- 3. DOOR SHALL BE 8 INCH ABOVE FLOOR AS TO ALLOW FREE MOVEMENT OF DOOR

LATCH DETAIL VIEW

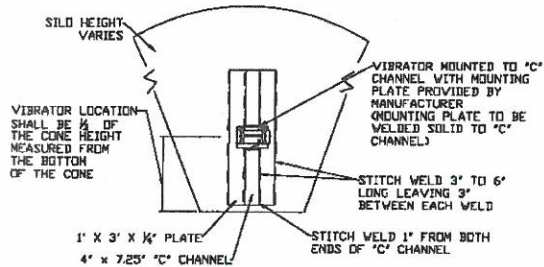


3' WIDE DOOR DETAILS

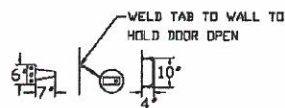


NOTE: NEED 25 FEET OF 2 INCH X 2 INCH ANGLE 1/4 INCH THICK FOR THRESHOLD AND DOOR STIFFENER

SILO VIBRATOR DETAILS

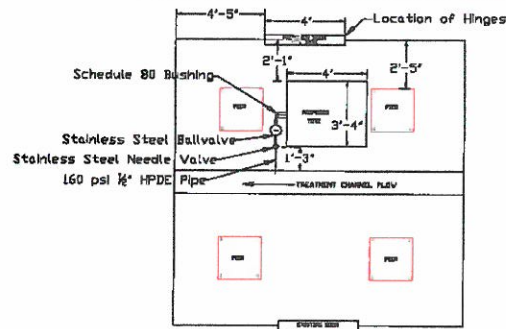


HINGE AND PULL DETAILS



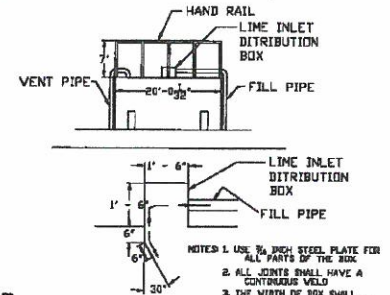
- NOTE 1. THREE HINGERS PER DOOR, TOP TO VERIFY LOCATION AND HINGE SIZE. WELD HINGERS TO WALL AND DOOR PLATING.
- 2. 1/2 INCH ROUND STEEL ROD FOR DOOR PULLS TO BE WELDED ON EACH SIDE OF DOOR.
- 3. WELD TAB TO WALL FOR RUBBER STRAP TO SECURE DOOR WHEN OPEN.

SECONDARY CHEMICAL TREATMENT SYSTEM



- NOTE 1. All Pipe Connections to be Completed with 1/2 inch Hose Clamps of 160 psi
- 2. Top of tank shall be fitted with a 2" schedule 40 pipe and a 2" Female CAM-Lock fitting orientated horizontally so to provide safe filling of tanks. Pipe secured to tank using a bulk head fitting.

FILLING PIPE MODIFICATION DETAILS



OFFICE OF SPECIAL RECLAMATION
254 INDUSTRIAL DRIVE
OAK HILL, WV 25901
OFFICE: 1-304-465-1011
FAX: 1-304-465-2021

DEP CONTRACT NO. 10299
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:



REVISIONS		
DATE	BY	CA
APRIL 2013		

ED-E DEVELOPMENT COMPANY INC
PERMIT 9-1032-86
DEP16299
PRESTON COUNTY, WEST VIRGINIA

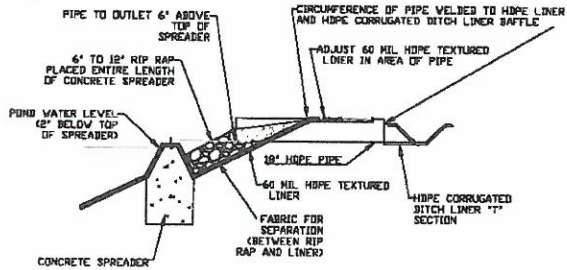
AQUA-FIX BUILDING MODIFICATION DETAILS

SCALE: NONE

DATE: MAY 2013

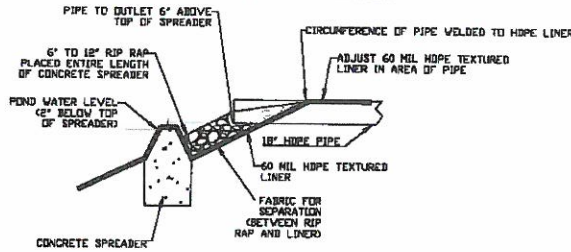
SHT. NO.
10-R
TOTAL
20

TYPE 1 SPREADER



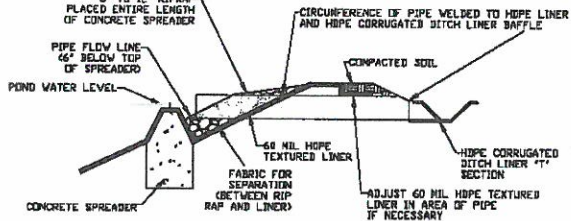
CONCRETE SPREADER POND INLET
FLOW PARALLEL TO POND
EMBANKMENT WITH PIPE

TYPE 2 SPREADER



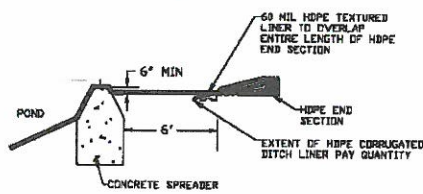
CONCRETE SPREADER POND INLET
FLOW PERPENDICULAR TO POND
EMBANKMENT WITH PIPE

TYPE 3 SPREADER

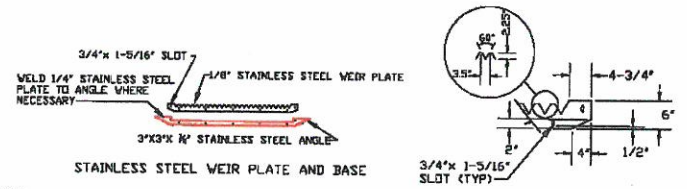
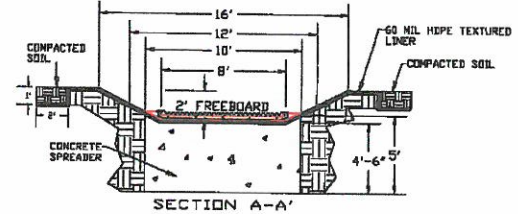


CONCRETE SPREADER POND OUTLET
FLOW PARALLEL TO POND
EMBANKMENT WITH PIPE

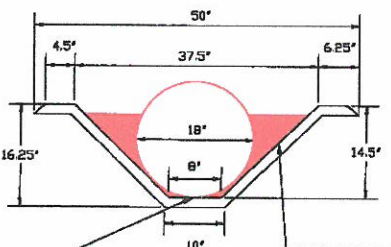
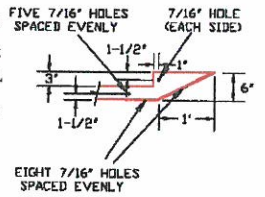
TYPE 4 SPREADER



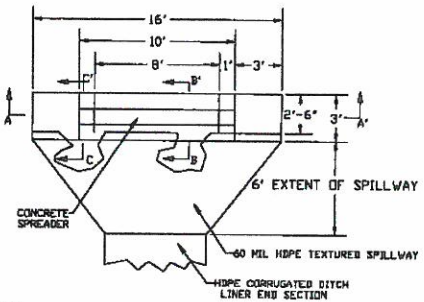
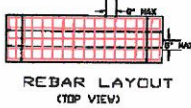
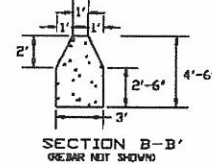
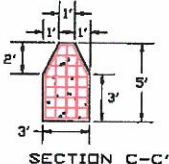
CONCRETE SPREADER POND OUTLET
FLOW PERPENDICULAR TO POND
EMBANKMENT WITH HDPE
END SECTION



- NOTES:**
1. ATTACH WEIR PLATE TO WEIR BASE WITH 3/8 INCH x 1 INCH STAINLESS STEEL BOLTS WITH A WASHER ON BOTH SIDES, LOCK WASHER, AND NUT.
 2. THE WEIR BASE SHALL BE ANCHORED, ABOVE THE HDPE LINER, TO THE CONCRETE SPREADER WITH 3/8 INCH x 1-9/16 INCH CONCRETE DROP IN ANCHERS, SPACED EVENLY AS SHOWN. THE BOLTS SHALL HAVE A WASHER, LOCK WASHER, AND NUT.
 3. INDUSTRIAL SILICONE SHALL BE PLACED BETWEEN THE WEIR AND WEIR BASE IMMEDIATELY PRIOR TO INSTALLING.
 4. SLOTS IN WEIR PLATE AND HOLES IN WEIR BASE SHALL BE ALIGNED AND SPACED EVENLY.



HDPE PIPE AND CORRUGATED
DITCH LINER CROSS SECTION



- NOTES:**
1. 1 INCH CHAMFER ON ALL CONCRETE CORNERS IN CONTACT WITH HDPE LINER.
 2. FABRIC FOR SEPARATION ON TOP OF 60 MIL HDPE TEXTURED LINER IN AREAS THAT ARE COVERED WITH STONE.
 3. 2 INCH MINIMUM CONCRETE COVER OVER ALL REBAR.
 4. REBAR SHALL BE #5 BAR AND LOCATED ON A 8 INCH MAX CENTER TO CENTER SPACING VERTICAL AND HORIZONTAL AND SHALL BE TIED USING STEEL WIRE AT EACH INTERSECTION.
 5. ANY SPLICES IN REBAR SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
 6. FINISH GRADE OF CONCRETE SPREADER SHALL BE LEVEL WITH A MAXIMUM TOLERANCE OF 1/8 INCH MEASURED VERTICALLY THE ENTIRE 8 FOOT LENGTH OF SPILLWAY.
 7. HDPE END SECTION PAID PER LINEAR FOOT AS HDPE CORRUGATED DITCH LINER, MEASURED TO THE EXTENT SHOWN.

OFFICE OF SPECIAL RECLAMATION
224 INDUSTRIAL DRIVE
OAK HILL, WV 26041
OFFICE: 1-800-465-1911
FAX: 1-304-465-0031

DEP CONTRACT NO. 15289
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:

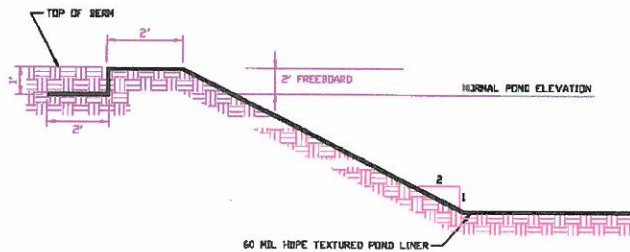
dep Division of Land Restoration
Office of Special Reclamation

REVISIONS		
DATE	BY	CA

ED-E DEVELOPMENT COMPANY INC
PERMIT S-1032-86
DEP16299
PRESTON COUNTY, WEST VIRGINIA

CONCRETE SPREADER DETAILS
SCALE: NONE
DATE: MAY 2013

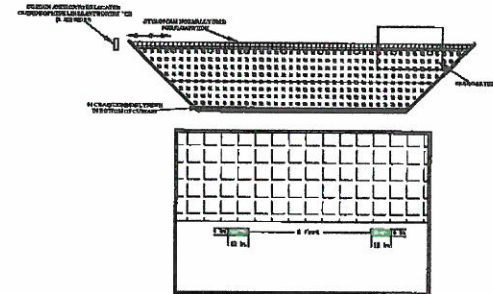
SHT. NO.
P-R
TOTAL
20



POND LINER ANCHOR DETAILS

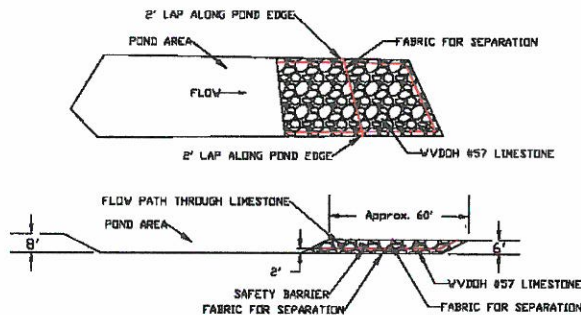
ED-E DEVELOPMENT COMPANY, INC
 PERMIT S-1032-36
 DEP16299

Settling Pond Number	Inlet Type	Outlet Type
1	1 Spreader	3 Spreader
2	2 Spreader	4 Spreader
3	1 Spreader	3 Spreader
4	2 Spreader	4 Spreader
5	1 Spreader	4 Spreader
6	2 Spreader	Gutter



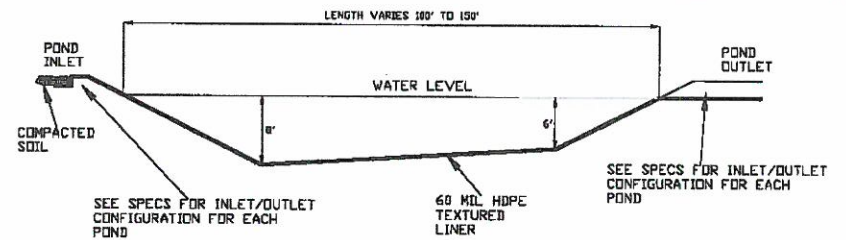
- NOTES:
1. WINDOWS ON BAFFLE CURTAINS SHALL BE CUT ON THE TOP, LEFT AND RIGHT SIDES LEAVING A FLAP ON THE BOTTOM PORTION.
 2. BAFFLE CURTAINS MUST BE FOLDED AND SEWN TO CONFORM TO THE 8%/V POND SIDE SLOPES.
 3. BAFFLE CURTAINS MUST EXTEND TO THE BOTTOM OF THE POND.
 4. CABLE MUST EXTEND 10 FEET BEYOND BOTH ENDS OF THE BAFFLE CURTAIN.

BAFFLE CURTAIN DETAILS

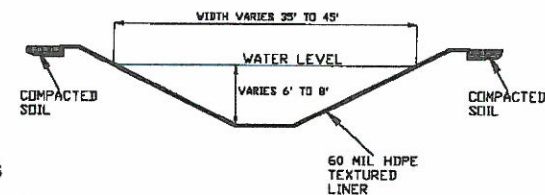


- NOTES:
1. LIMESTONE BED DIMENSIONS WILL BE APPROXIMATE TO THE MINIMUM AMOUNT OF STONE SPECIFIED.
 2. GEOTEXTILE FABRIC FOR SEPARATION MEETING REQUIREMENTS OF AASHTO M889 SECTION 7 CLASS 2 WILL BE UTILIZED TO FORCE WATER FLOW DOWN AND THROUGH THE BOTTOM 6 FOOT PORTION OF THE LIMESTONE BED.
 3. THE GEOTEXTILE FABRIC FOR SEPARATION WILL BE PLACED AT THE APPROXIMATE CENTER LOCATION OF THE LIMESTONE BED AND TO THE DEPTH OF THE SAFETY BARRIER.
 4. GEOTEXTILE FABRIC FOR SEPARATION WILL ALSO BE USED AS A PROTECTIVE BARRIER BETWEEN HDPE LINER AND STONE.
 5. A SAFETY BARRIER WILL BE PLACED AT 2 FEET +/- 3 INCHES ABOVE THE BOTTOM AND SIDES OF THE POND ON THE LIMESTONE AS TO PROVIDE A DEFINED LOCATION OF THE 2 FOOT HEIGHT ABOVE THE HDPE LINER DURING FUTURE MAINTENANCE OF THE LIMESTONE BED.
 6. SAFETY BARRIER SHALL BE OF A HIGH VISIBILITY ORANGE POLYPROPYLENE CONSTRUCTION OF AT LEAST 4 FOOT IN WIDTH AND A MAX HEIGHT OPENING OF 2 INCH X 4 INCH AS NOTED UNDER ASTM D4973. ANY CONNECTIONS WILL HAVE A MINIMUM 1 FOOT OVERLAP.

LIMESTONE BED DETAILS



SETTLING POND DETAILS



MISCELLANEOUS POND DETAILS

OFFICE OF SPECIAL RECLAMATION
 824 INDUSTRIAL DRIVE
 OAK HILL, WV 25901
 OFFICE: 1-304-465-1811
 FAX: 1-304-465-0031

DEP CONTRACT NO. 10209
 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:



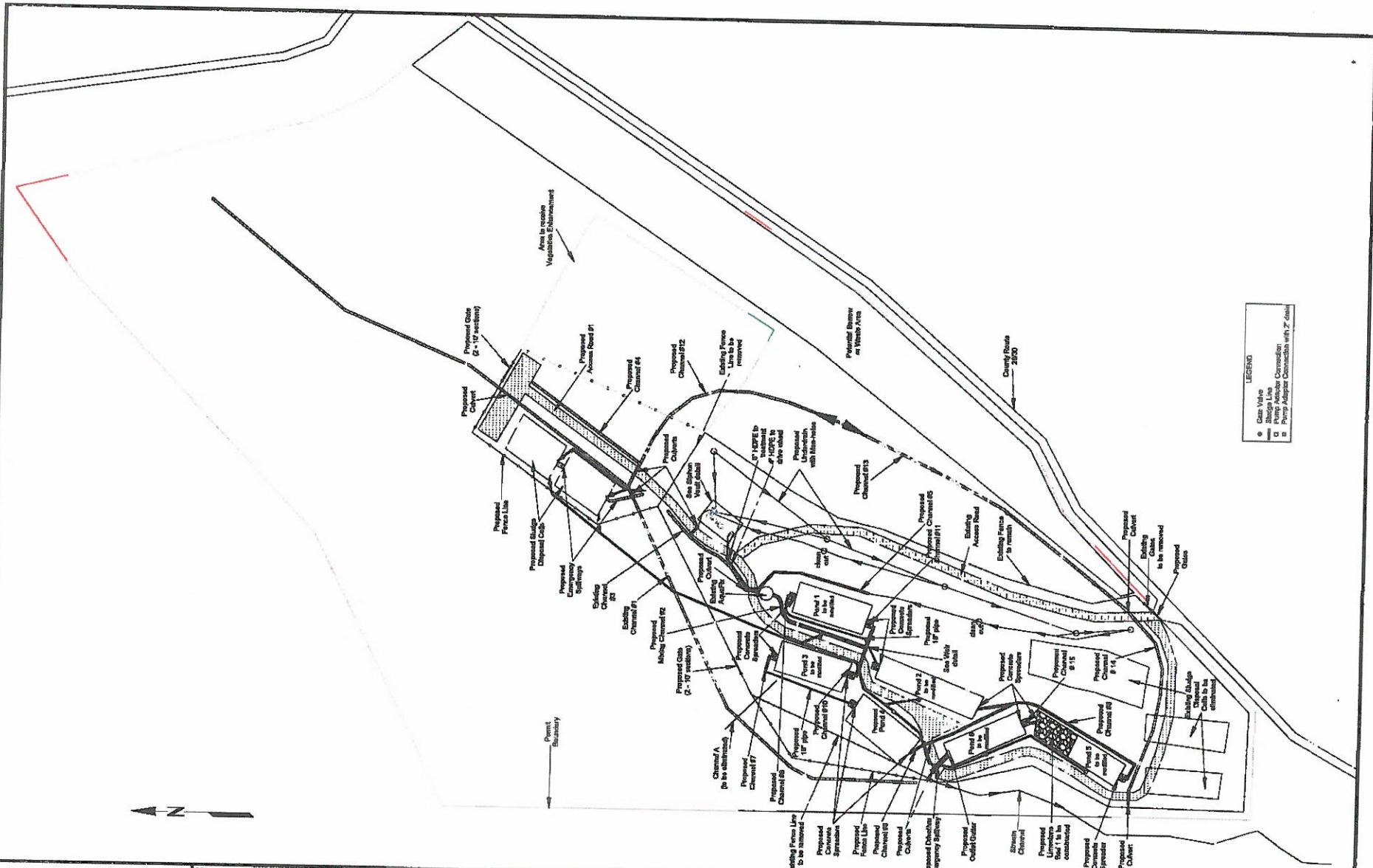
REVISIONS		
DATE	BY	CS
AUGUST 2013		

ED-E DEVELOPMENT COMPANY INC
 PERMIT S-1032-36
 DEP16299
 PRESTON COUNTY, WEST VIRGINIA

SCALE: NONE

DATE: MAY 2013

SHT. NO.
 5-R
 TOTAL
 20



LEGEND

- Clean Valve
- Stormwater
- Pump Adapter Connection
- ▣ Pump Adapter Connection with 2" duct



OFFICE OF SPECIAL RECLAMATION
 264 INDUSTRIAL DRIVE
 OAK HILL, WV 25901
 OFFICE: 1-304-485-1911
 FAX: 1-304-485-0031

DEP CONTRACT NO. 16299

DESIGNED BY: NLP

DRAWN BY: ARS

CHECKED BY:

APPROVED BY:



Division of Land Reclamation
 Office of Special Reclamation

REVISIONS		
DATE	BY	GS
AUGUST 2011		

ED-E DEVELOPMENT COMPANY INC
PERMIT 6-1632-86
DEP16299

PRESTON COUNTY, WEST VIRGINIA

OVERVIEW MAP

SCALE: NONE

DATE: MAY 2013

SHT. NO.	2-R
TOTAL	20

23

**ED-E DEVELOPMENT COMPANY, INC.
 PERMIT S-1032-86
 BID SCHEDULE
 DEP16299**

VENDOR NAME: _____

The WVDEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.0	Mobilization/Demobilization/Project Sign (Limited to 2% total bid maximum for this permit)	Lump Sum	LS	\$	\$
2.0	Spill Containment Area (S.C.A.) (Limited to \$1,000.00 maximum for this permit)	Lump Sum	LS	\$	\$
3.0	Haul Road/Access Road (Limited to 2% total bid maximum for this permit)	Lump Sum	LS	\$	\$
4.0	Utilities	No Bid Item			
5.0	Regrading and Topsoiling	9	AC	\$	\$
6.0	Revegetation	9	AC	\$	\$
7.0	Construction Stakeout (Limited to 2% total bid maximum for this permit)	Lump Sum	LS	\$	\$
8.0	Vegetative Enhancement	2	AC	\$	\$
9.0	Storm Water Management - Silt Fence and Hay Bale Dike (Limited to \$5.00 per linear foot maximum for this permit)	1500	LF	\$	\$
10.0	Constructed Sediment Control Structures				
10.1	Sumps (Limited to \$100.00 per each)	10	EA	\$	\$
10.2	Settling Pond Four (4)	1	EA	\$	\$
11.0	Existing Sediment Control Structures				
11.1	Clean, Modify, and Upgrade Settling Pond 1	1	EA	\$	\$
11.2	Clean, Modify, and Upgrade Settling Pond 2	1	EA	\$	\$
11.3	Clean, Modify, and Upgrade Settling Pond 3	1	EA	\$	\$
11.4	Clean, Modify, and Upgrade Settling Pond 5	1	EA	\$	\$
11.5	Clean, Modify, and Upgrade Settling Pond 6	1	EA	\$	\$
11.6	Eliminate Existing Sludge Disposal Cells	3	EA	\$	\$
12.0	Construct New Haul Road/Access Road One	1600	LF	\$	\$
13.0	Sludge Disposal				
13.1	Lined Sludge Disposal Cell	2	EA	\$	\$
13.2	Sludge Cell Underdrain	250	LF	\$	\$
13.3	6-INCH HDPE Sludge Pipe	2000	LF	\$	\$
13.4	Pump Adaptor Connection	3	EA	\$	\$
13.5	Pump Adaptor Connection With Two-Inch Drain	3	EA	\$	\$
13.6	Six-Inch Gate Valve	5	EA	\$	\$
13.7	WYES (6-INCH HDPE LATERALS 45°)	4	EA	\$	\$
14.0	HDPE Corrugated Ditch Liner	905	LF	\$	\$
15.0	HDPE Corrugated Weir	1	EA	\$	\$
16.0	HDPE Water Line				
16.1	HDPE Drive Water Line -4-Inch	120	LF	\$	\$
SUBTOTAL PAGE 1:					\$

BIDDER'S AUTHORIZED SIGNATURE: _____ DATE: _____

13

REQUEST FOR QUOTATION NO. DEP16299

SIGN IN SHEET

Page 1 of 2

ED-E DEVELOPMENT COMPANY, INC. PLEASE PRINT

Date: AUGUST 6, 2013

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>M^cCourt & Son Const.</u>	<u>2790 Centralia Rd</u>	PHONE <u>304 765-5288</u>
Rep: <u>GARY Long</u>	<u>Sutton WV 26601</u>	TOLL FREE
Email Address: <u>glong@wirefire.com</u>		FAX <u>304 765-5293</u>
Company: <u>JF ALLEN CO</u>	<u>PO Box 2049</u>	PHONE <u>304 472 8890</u>
Rep: <u>JAMES ALLEN</u>	<u>Buckhannon WV</u>	TOLL FREE
Email Address: <u>JAMES.ALLEN@JFAllenCo.com</u>	<u>26201</u>	FAX <u>304 472 8897</u>
Company: <u>GREEN MOUNTAIN COMPANY</u>	<u>511 50th ST</u>	PHONE <u>304-925-0253</u>
Rep: <u>DAVID H. BOUMAN</u>	<u>Charleston WV</u>	TOLL FREE
Email Address: <u>DHB722@yahoo.com</u>	<u>25304</u>	FAX <u>304-925-9230</u>
Company: <u>AQUA:fix Systems</u>	<u>301 Maple Lane</u>	PHONE <u>304-329-1056</u>
Rep: <u>Mike Jenkins</u>	<u>Kingwood WV 26537</u>	TOLL FREE
Email Address: <u>mj@aquafix.com</u>		FAX <u>304-329-1217</u>
Company: <u>JL Pretzel Contracting</u>	<u>P.O. Box 240</u>	PHONE <u>304-379-7789</u>
Rep: <u>James Pretzel</u>	<u>Buceton Mills WV 26525</u>	TOLL FREE
Email Address: <u>cpretzel@aol.com</u>		FAX <u>304-379-7788</u>

REQUEST FOR QUOTATION NO. DEP16299

SIGN IN SHEET

Page 2 of 3

ED-E DEVELOPMENT COMPANY, INC. PLEASE PRINT

Date: AUGUST 6, 2013

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Barnes EXC. INC.</u>	<u>P.O. Box 13384</u>	PHONE <u>304-984-1725</u>
Rep: <u>Robert L. Barnes</u>	<u>Sissonville</u>	TOLL FREE
Email Address: <u>Barnes EXC @ AOL.COM</u>	<u>WV 25360</u>	FAX <u>304-984-0074</u>
Company: <u>Foster Supply</u>	<u>Rt 1 Box 414</u>	PHONE <u>304-326-0196</u>
Rep: <u>Dion Wamsky</u>	<u>Mt. Clare WV 26408</u>	TOLL FREE cell # <u>304-203-2358</u>
Email Address: <u>dwamsky@fostersupply.com</u>		FAX <u>304-326-0196</u>
Company: <u>EASTERN ARROW</u>	<u>PO Box 6108</u>	PHONE <u>304-414-0255</u>
Rep: <u>ANN HARLOWELL</u>	<u>CHARLESTON WV</u>	TOLL FREE
Email Address: <u>easternarrow@hotmail.com</u>	<u>25364</u>	FAX <u>0256</u>
Company: <u>COWGIRL UP INC</u>	<u>PO Box 243</u>	PHONE <u>304-739-4397</u>
Rep: <u>DEANNE C. ELBAN</u>	<u>SIMPSON, WV 26435</u>	TOLL FREE
Email Address: <u>DCG_COWGIRLUP@GARTHINK.NET</u>		FAX <u>304-626-1051</u> <u>304-739-4401</u>
Company: <u>Central Contracting, Inc</u>	<u>PO Box 1485</u>	PHONE <u>304-546-1526</u>
Rep: <u>John Cvechko</u>	<u>St Albans, WV</u>	TOLL FREE
Email Address: <u>johnc@centralc.com</u>	<u>25177</u>	FAX <u>304-722-2699</u>

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REQUEST FOR QUOTATION NO. DEP16299

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Page 3 of 3

ED-E DEVELOPMENT COMPANY, INC. PLEASE PRINT

Date: AUGUST 6, 2013

* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>MS CONTROLS</u>	<u>POB 363</u>	PHONE <u>724-625-1292</u>
Rep: <u>MARK STEVENS</u>	<u>MARS, PA 16046</u>	TOLL FREE
Email Address: <u>mscinc2@earthlink.net</u>		FAX <u>724-625-1472</u>
Company: _____	_____	PHONE
Rep: _____	_____	TOLL
Email Address: _____	_____	FREE
_____	_____	FAX
Company: _____	_____	PHONE
Rep: _____	_____	TOLL
Email Address: _____	_____	FREE
_____	_____	FAX
Company: _____	_____	PHONE
Rep: _____	_____	TOLL
Email Address: _____	_____	FREE
_____	_____	FAX

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DEP16299

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor’s representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012