



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

Solicitation

NUMBER
DEP16304

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
 105 S. RAILROAD STREET
 PHILIPPI, WV
 26416-9998 304-457-3219

DATE PRINTED
12/02/2013

BID OPENING DATE: 12/12/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 2		
				THIS ADDENDUM IS ISSUED TO:		
				1) EXTEND THE BID OPENING DATE AND TIME.		
				2) PROVIDE THE REVISED SCOPE OF WORK, SPECIFICATIONS, AND DRAWINGS WHICH ARE ALSO AVAILABLE UPON REQUEST BY CONTACTING DIANNA WRIGHT AT 304-457-4588 OR 304-457-3219.		
				3) PROVIDE THE ATTACHED MANDATORY PRE-BID SIGN IN SHEET		
				***** END ADDENDUM NO. 2		

SIGNATURE		TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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

SOLICITATION NUMBER: DEP16304

Addendum Number: 02

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:

Bid opening date and time is extended to: 12/12/2013 at 1:30 PM.

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 – Questions asked during and after Pre-Bid Conference
Clarifications/Corrections to Bid Schedule, Scope of Work, Specifications and Drawings
DEP16304
HALLELUJAH MINING 40-81

The following questions were identified at the Pre-Bid Conference (PBC). The answers provided herein take precedence over verbal answers at the PBC should there be any conflicts between the two.

DISCUSSION AT THE TAILGATE OF THE TRUCK

1. Q: How many Ponds are to be eliminated?
A: Three (Existing Ponds B, C, D)

DISCUSSION IN THE AREA SOUTH OF EXISTING POND B

2. Q: Will this level be dropped about ten (10) feet?
A: Yes, we will be dropping this level approximately ten (10') feet. The cross-sections are at approximate locations and show approximate yardages.
3. Q: Is there an elevation for the relocated AquaFix system?
A: Yes, it is indicated on the drawings.

DISCUSSION IN THE AREA OF PROPOSED UNDERDRAIN 2

4. Q: Is the location where the New Haul Road/Access Road 1ties into County Route 7/10 going to be the main access for lime delivery?
A: Yes. Lime delivery may be achieved using either the upper or lower gates for entry and/or exit.

DISCUSSION AT THE TAILGATE OF THE TRUCK

5. Q: Why was the test pits excavated?
A: The test pits were excavated in order for prospective bidders to see what type of material that they may encounter. WVDEP makes no guarantee as to what types of material may be encountered throughout site.
6. Q: How much cut will be required?
A. Approximate cut/fill areas/volumes are shown on the drawings. No additional payment shall be made to Contractor if actual yardage moved differs from quantities shown.

DISCUSSION NEAR PROPOSED SPOIL DISPOSAL AREA 2

7. Q: Is this the location where any logs larger than eight (8) inches diameter are to be placed?
A: See the revised specifications.
8. Q: Instead of using a pipe extension on the bottom of the silo to lower the silo two (2) feet, are the roof and legs to be cut off?
A: See the revised specifications.

CLARIFICATION: Proposed Disposal Area 1 will be filled to capacity before utilizing Spoil Disposal Area 2. The road adjacent to Spoil Disposal Area 2 must be eliminated and regraded to sheet flow even if Spoil Disposal Area 1 does not reach capacity.

CLARIFICATION: Construction of the proposed treatment area is within an easement area from the landowner. All work in the proposed treatment area shall take place inside the marked surveyed boundaries. The contractor who is awarded the contract will receive a copy of the survey plat, legal description and easement agreement at the pre-construction meeting.

CORRECTIONS/CLARIFICATIONS TO RFQ NOT DISCUSSED AT PRE-BID

REVISED SCOPE OF WORK: The following Scope of Work numbers have been revised: 1, 2, 10, 43, 46, 50, 56, 57, and 59. Revised Scope numbers have the designation "R" such as 1. R-.

REVISED SPECIFICATIONS: The following specifications have been revised: 1.0, 3.0, 6.0, 18.0, 19.0, 21.0, 21.3, 24.0, and 25.1. Revised specifications have the designation "R" such as 1.0 - R.

REVISED DRAWINGS: The following drawing sheets have been revised: 7, 8, 11 and 14. Revised drawing sheets have the designation "R" such as 7-R.

The Revised Scope of Work, Specifications, and Drawings on CD may be obtained by request from WVDEP – Special Reclamation-Philippi Office from Dianna Wright 304-457-4588 ext. 43276 or 304-457-3219. There is no charge to the contractor for the CD or mailing.

SCOPE OF WORK

The successful bidder shall provide appropriate equipment, materials, labor and any technical services needed for the successful reclamation of HALLELUJAH MINING, Permit 40-81, and any disturbance associated with such operation. The General Performance Standards (GPS) shall apply to all items in Scope of Work. Work necessary on this site will include the following items, but is not limited to these:

1. **R-**Upon mobilization to the site, which will be directed in a written Notice to Proceed, the access roads shall be developed in accordance with the Haul Road/Access Road Upgrade bid item. If fuel and lubricants are to be stored onsite, the Spill Containment Area (S.C.A.) bid item shall be in place before fuel is delivered. Project sign shall be constructed and erected in accordance with attached specifications. Sign shall be installed at the location determined by the WVDEP agent onsite. The sign shall be maintained during the construction activities and through the life of the warranty period. Sign cost is a No Bid Item and included with mobilization cost. No work shall be authorized or allowed at site until sign is constructed and erected onsite and approved by assigned WVDEP agent. NOTE: The old sign and posts shall be removed and disposed of in a legal manner and the post holes filled.
2. **R-**Storm water management shall be in place in required locations prior to any disturbance of materials or earthwork taking place.
3. Concurrent and continuous reclamation shall be maintained throughout the life of the project. Regrading and Topsoiling and also Revegetation are required for all disturbed areas. Reclamation is to be completed according to the attached specifications, plans, and clarifying discussions at the Pre-Bid Conference.
4. Construction stakeout as necessary to carry out work.
5. All bid items specified by ACRE on this project in the Bid Schedule shall require the submittal of a final survey to verify final acreages. This submittal shall include a copy of all field notes, a map to scale in paper and electronic form. The final survey must be conducted under the direct supervision of and certified by a Licensed Land Surveyor or a Registered Professional Engineer licensed in the state of West Virginia. Partial payments may be made for estimated acreages that are field verified and agreed upon with the WVDEP agent. Partial payments may not exceed 75% of bid item prior to final survey. This shall be paid from the Construction Stakeout bid item.
6. It shall be the contractor's responsibility to check for and locate all utilities within the work area to provide and maintain a safe working area in addition to preventing damage to the utility.
7. Remove any and all debris from site. Contractor must provide documentation of proper disposal. Cost of debris removal shall be incidental to and included in the cost of Regrading and Topsoiling.

8. Clear and Grub approximately one (1.0) acre in area of proposed Sludge Cell and ponds.
9. Place a total of approximately one hundred-fifty (150) tons of limestone sand in Channel 8, and Existing Diversion Channel 10 and adjoining roadside ditch.
10. **R**-Install Underdrain 3. The contractor shall use caution as there may be unmarked pipes in this area.
11. Construct approximately four hundred fifteen (415) linear feet of proposed Channel 1 and fill bottom eight (8) inches with AASHTO #1 limestone and install proposed Weir 2 to convey water to the Flow Proportional Siphon System or inlet of Pond 8.
12. Eliminate existing settling Ponds C and D to construct proposed Underdrain 1 to capture AMD and convey flow to Flow Proportional Siphon System. See attached drawings and specifications.
13. Replace existing conveyance pipe from existing Seep Collector 1 by installing 4-inch HDPE Drive Water line. Continue piping along east side of road and discharge into proposed Type "G" Inlet.
14. Install Manhole 1 to capture flows from proposed Type "G" Inlet, proposed Underdrain 3, and Seep Collector 3 and convey flow into proposed Underdrain 1.
15. Install Flow Proportional Siphon System and associated HDPE piping. See attached drawings and specifications.
16. Construct Underdrain 4 to capture seepage in area of Existing Seep Collector 2 and convey seepage to Vault A. Underdrain 4 shall be installed as to not obstruct ditch line.
17. Construct approximately one thousand nine hundred (1,900) linear feet of New Haul Road/Access Road 1 beginning in the area of existing AquaFix Unit and continuing north; encompassing Pond 2 and Pond 5, then turning South and terminating at the intersection with County Route 7/10. See attached Overview Map, drawings and specifications.
18. Install 4-inch HPDE conduit. See attached Overview Map, drawings and specifications.
19. Relocate Lime Dispensing Unit Enclosure and Silo. See attached Overview Map, drawings and specifications.
20. Modify existing Lime Dispensing Unit Structure by installation of secondary access door, channel grate, lime inlet distribution box, gable vent, top hatch grate, lowering unit, and replace drive wheel shroud. The structure will also be painted. See attached diagram and specifications for Modify Existing Lime Dispensing Unit Structure.

21. Upgrade existing Aqua Fix Unit which shall include installation of Renewable Energy Vibrator System and an Adjustable Speed Drive. See attached diagram and specifications.
22. Install Secondary Chemical Treatment System in relocated AquaFix Building. See attached specifications.
23. Construct approximately five hundred twenty-five (525) linear feet of proposed Diversion Channel 7 west north-west of relocated AquaFix Unit, to divert upland flow away from treatment area and proposed sludge cell. See attached Overview Map, drawings and specifications.
24. Construct approximately two hundred twenty-five (225) linear feet of proposed Channel 8 and fill bottom eight (8) inches with AASHTO #1 limestone and add a minimum of 4 tons of limestone sand to the AASHTO #1 limestone layer to capture AMD and direct flow into proposed Mixing Channel 2.
25. Construct approximately two hundred fifty (250) linear feet of proposed Mixing Channel 2 from mixing flume of relocated AquaFix Building to Weir 1 and Pond 5 Inlet Concrete Spreader.
26. Install HDPE Corrugated Weir 1. See attached drawings and specifications.
27. Construct approximately one hundred (100) linear feet of proposed Channel 3 to route water from emergency spillway of Proposed Sludge Cell to discharge into Mixing Channel 2.
28. Construct lined Sludge Disposal Cell with Sludge Cell Underdrain and Emergency Spillway.
29. Construct settling Ponds 2, 3, 4, 5, 6 and 7.
30. Construct New Haul Road/Access Road 2 between the constructed settling ponds.
31. Install Concrete Spreaders as shown on Overview Map and in attached drawings and specifications.
32. Install Outlet Gutters as shown on Overview Map and in attached drawings and specifications
33. Install approximately thirty-five (35) linear feet of 18-inch HDPE Conveyance Pipe from Outlet Gutter of Pond 4 to Inlet Concrete Spreader of Pond 8.
34. Install approximately sixty (60) linear feet of 18-inch HDPE Conveyance Pipe from Outlet Gutter of Pond 7 to the Inlet Concrete Spreader of Pond 8.

35. Construct approximately one hundred (100) linear feet of Diversion Channel 4 below Ponds 4 and 7 to capture and convey surface water off of the permit through proposed 18-inch HDPE culvert.
36. Install proposed Underdrain 2 to capture AMD water from seep area and direct flow into proposed Manhole 2. Proposed Manhole 2 shall convey water to proposed Limestone Bed 1.
37. Construct approximately twenty (20) linear feet of Channel 5 to convey discharge flow from Limestone Bed 1 and discharge into 18-inch HDPE Conveyance Pipe to the Inlet Concrete Spreader of Pond 8.
38. Construct Settling Pond 8.
39. Construct Limestone Bed 2 within Settling Pond 8.
40. Construct Settling Pond 9.
41. All excess spoil shall be placed in Proposed Disposal Areas 1, 2 and in the existing road to be removed as shown on the attached drawings. See attached Specifications.
42. Excavate area near south entrance to accommodate road (including ditches) and regraded cut slope in this area shall not exceed 1 horizontal to 1 vertical.
43. **R**-Eliminate existing access road near lower gate area, regrade and revegetate. All gates and gate posts will be stored onsite for use by WVDEP. The current discharge culverts of existing Pond B will also be retained by WVDEP and stored onsite.
44. Install Baffle Curtains in Ponds 2, 3, 4, 5, 6, 7, 8, and 9. See attached detail.
45. Construct approximately twenty-five (25) linear feet of Channel 6 from the emergency spillway of Pond 9 to convey final discharge water to receiving stream.
46. **R**-Install eighteen (18) inch HDPE culverts in six (6) locations along Haul Road/Access Roads and other locations determined by WVDEP agent onsite. See attached Overview Map. NOTE: For the proposed work along CR 7/10 including culvert to be installed, clearing and grubbing, etc. care should be taken as to not damage the existing roadway during construction activities and provide appropriate traffic control measures (as deemed appropriate by the WVDOH) to ensure safety to the public. Any traffic control and/or repairs to the road shall be incidental to and included in these bid items. Caution: Waterline in area.
47. Install approximately eight hundred (800) linear feet of sludge disposal pipe from Ponds 2, 3, 4, 5, 6, 7, and 8 to the proposed sludge disposal cell as shown on attached drawings. See attached specification and Piping Layout drawing.

REVISED FOR ADDENDUM HALLELUJAH MINING 40-81 DEP16304

48. Construct approximately seventy-five (75) feet of Channel 9 to convey flow from culverts to wooded area.
49. Construct approximately two-thousand six hundred (2,600) linear feet of fence along the property boundary and install gates at four (4) locations as shown on the attached Overview Map and Specifications.
50. **R**-Remove trees, brush, and storm debris within 15-feet of roadway centerline of all access roads. Including the access road up to Proposed Underdrain 4.
51. Install three thousand five hundred (3,500) linear feet of silt fence/and or hay bale dike for sediment control during and after construction. WVDEP agent onsite will determine where each type will be used.
52. Regrade and revegetate approximately seven (7) acres of disturbance. This acreage estimate includes all Disposal areas that may not be entirely utilized.
53. Place up to four hundred (400) tons of crushed stone as directed by the WVDEP agent onsite and paid under the Incidental Stone bid item.
54. All stone used on this project shall be non-acid producing.
55. At NO time should the cemetery access be blocked.
56. **R**- All trees to be removed within the specified work area(s), except for pine species, larger than 8-inches in diameter shall be de-limbed and placed south west of the Proposed Spoil Disposal Area 1 for use by the property owner. If this location's capacity is not adequate, as determined by the WVDEP agent onsite, a secondary location will be utilized as directed by the WVDEP agent onsite. All pine tree species shall be disposed of by either chipping, burning or properly disposing of off-site.
57. **R**- Stone from the "old house site" and seep area shall be removed and placed south west of the Proposed Spoil Disposal Area 1 for use by the property owner. If this location's capacity is not adequate, as determined by the WVDEP agent onsite, a secondary location will be utilized as directed by the WVDEP agent onsite.
58. All buried pipe will be marked using Detectable Underground Utility Marking Tape as required in attached specifications.
59. **R**-Night time operations at the Proposed Disposal Areas will not be permitted unless otherwise directed by the WVDEP agent onsite due being located near the land owners dwelling.

BID ITEM TECHNICAL SPECIFICATIONS**PERMIT: 40-81****1.0 - R MOBILIZATION / DEMOBILIZATION / PROJECT SIGN**

A project sign shall be obtained or manufactured and installed as indicated on the attached specifications and details. Payment for this sign shall be incidental to the mobilization item. No separate payment will be made.

NOTE: The old sign and posts shall be removed and disposed of in a legal manner and the post holes filled.

This work shall consist of the performance of construction preparatory operations, including the movement of personnel, equipment and other facilities to the project site necessary to begin work on a substantial phase of the contract.

Prior to demobilization, an inspection shall be conducted by the West Virginia Department of Environmental Protection (WVDEP) and the contractor to insure compliance with contract performance. Once compliance is ascertained, demobilization activities can be initiated and completed. Demobilization shall be totally completed before the invoice for payment shall be processed.

The lump sum bid for this item shall not exceed 5% of the total bid for this permit. Payment shall be made in two 50% amounts, one upon completion of the mobilization and project sign items and the second payment at the completion of demobilization. No deduction shall be made nor shall any increase be made in the lump sum item amount, regardless of decreases or increases in the final total contract amount of any reason.

2.0 SPILL CONTAINMENT AREA (S.C.A.)

Spill containment measures shall be used for fuel and lubricant storage areas. All containers, barrels, buckets, cans, etc., are to be legally disposed of offsite. Used lubricants are to be disposed of according to state law to minimize pollution to the local surface and ground water supplies. Spills are the responsibility of the contractor and need immediate clean up and maintained at no expense to the State. This S.C.A. shall be constructed in accordance with the typical drawing specification. (See attached drawing: Spill Containment Area). Alternate containment measures will be considered for approval by the WVDEP Engineer if acceptable results can be shown. Fuel tanks manufactured with secondary containment are desirable. Minimum secondary containment is 110 percent. The lump sum bid for this item shall not exceed \$1,000.00 for this permit.

3.0 - R HAUL ROAD /ACCESS ROAD UPGRADE

The contractor shall maintain and/or construct haul road/access road(s) during the reclamation process to provide access on a well-drained surface. The access road on the reclamation site shall be graded, sloped, and maintained to drain to provide a road surface free of excessive mud and standing waters at all times while work is in progress. Dust-control measures may be necessary if hauling creates airborne material. Snow removal is to be included in this item. See attached specifications. The lump sum bid for this item shall not exceed 2% of the total bid for this permit.

NOTE: Contractor shall establish a grass lined ditch along upper side of access road beginning downslope of existing sludge cell and terminating at proposed culvert to discharge into proposed Channel 9. Contractor shall upgrade existing ditches on each side of road from intersection of existing access road to cabin/existing road to be removed and proposed culverts to discharge into proposed Channel 9. Contractor shall remove trees, brush, and storm debris within 15-feet of roadway centerline of all access roads, including the access road up to Proposed Underdrain 4. This work shall be incidental to and included in this pay item.

4.0 CONSTRUCTION STAKEOUT

This work shall consist of furnishing, placing, and maintaining construction layout stakes necessary for the proper execution of the work required under the Contract, production of as-built drawings, and of performing topographic surveys and obtaining surveyed cross-sections for accurate determination of pay item quantities. Construction stakeout shall be under the supervision of a Licensed Land Surveyor or a Registered Professional Engineer licensed in the state of West Virginia, and all drawings signed and/or sealed by such. The WVDEP shall provide control points for initial layout of the work. The lump sum bid for this item shall not exceed 2% of the total bid for this permit.

MATERIALS

Wooden stakes and other marking materials as described herein.

CONSTRUCTION METHODS

- A. The Contractor shall locate and reference the construction baseline within the limits of work and shall establish bench marks for the proper layout of the work. The Contractor shall make all calculations involved and shall furnish and place all layout stakes or markers.
- B. The Contractor shall provide field forces and shall set all additional stakes needed, such as offset stakes, reference point stakes, slope stakes, pavement and grade stakes, stakes for roadway drainage, sub-drains, trench drains, fence, culverts or other structures, supplementary bench marks and any other horizontal or vertical controls necessary to secure a correct layout of the work.
- C. The location of the slope stakes for grading work shall be determined by a calculation method. Elevation control hubs with guard stakes shall be set, at a convenient distance outside the construction limits, and at all stations where original cross-sections are taken. The centerline station, the distance from centerline, and the elevation of the hub shall be recorded on each guard stake.
- D. The Contractor shall be responsible for having the layout staking work conform to the lines, grades, elevations, and dimensions called for on the Plans. The Contractor shall be responsible for reporting any discrepancies to the WVDEP Engineer for clarification. Minor adjustments to suit field conditions are anticipated and it shall be the responsibility of the WVDEP Engineer to make decisions regarding adjustments.

E. The Contractor shall survey cross-sections and/or profiles in areas of onsite excavation, offsite excavation, and ditch construction as necessary to permit accurate determination of pay item quantities. The locations and spacing of cross-sections and profiles shall be as approved or as directed by the WVDEP Engineer. Cross-sections and profiles shall be surveyed:

1. prior to any excavation
2. at the completion of excavation

F. The Contractor shall furnish a copy of his survey records, both paper and electronic forms, for the WVDEP Engineer and for the WVDEP's permanent file. These records shall be furnished as they are completed during the progress of the work. Any inspection or checking of the Contractor's layout by the WVDEP Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades and elevations of the required work.

5.0 UTILITIES

Utilities shall be relocated, if necessary, at the direction of the utility company and the actual cost reimbursed to contractor. It is the contractor's responsibility to determine the exact location of each utility in the project area where these utilities would be interrupted or damaged by performing work. This is a "No Bid" item due to the method of reimbursement.

6.0 -R 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 agent onsite, on the surface of the backfill in a smooth, uniform manner. This item shall include the elimination of all rills and gullies, the grading of spoil and/or fill materials. Surface shall be free of all rock exceeding six (6) inches in diameter and shall be tracked, track to track, with cleats parallel to the contour. Topsoil presently stockpiled onsite 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.

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 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. Cost of debris removal shall be incidental to and included in this bid item.

NOTE: All existing pipes, sludge lines and associated hardware including valves, caps, etc., existing gates, gate posts and associated hardware including hinges, hangers, chains, etc. are property of WVDEP and shall be stored onsite at a location determined by WVDEP agent onsite. Contractor shall make concerted effort to not damage gates and posts during removal. These items are not to be reused by contractor. Cost of debris removal, salvaging and placement of existing gates shall be incidental to and included in Regrading and Topsoiling.

NOTE: Stone from the "old house site" and seep area shall be removed and placed south west of the Proposed Spoil Disposal Area 1 for use by the property owner. If this location's capacity is not adequate, as determined by the WVDEP agent onsite, a secondary location will be utilized as directed by the WVDEP agent onsite. This work shall be incidental to and included in Regrading and Topsoiling.

CLEAR AND GRUB

All vegetative cover (trees, shrubs, bushes, etc., including all stumps and roots) within the specified work area(s) shall be removed to bare ground. These areas include but not limited to pond embankments, channels, disposal areas and access road locations. It is the contractor's responsibility to obtain all necessary permits and to follow state guidelines for burning and proper disposal of vegetative materials. No vegetative material shall be buried. Disposal of the trees and shrubs onsite 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.

NOTE: All trees to be removed within the specified work area(s), except for pine species, larger than 8-inches in diameter shall be de-limbed and placed south west of the Proposed Spoil Disposal Area 1 for use by the property owner. If this location's capacity is not adequate, as determined by the WVDEP agent onsite, a secondary location will be utilized as directed by the WVDEP agent onsite. All pine tree species shall be disposed of by either chipping, burning or properly disposing of off-site. This work shall be incidental to and included in Regrading and Topsoiling.

SPOIL DISPOSAL

All excess spoil shall be placed in Proposed Disposal Areas 1, 2 and in the existing road to be removed as shown on the attached drawings. The existing roadway shall be filled with soil material and regraded to sheet flow. Proposed Disposal Area 1 shall be utilized to capacity as shown on the attached drawings or as determined by the WVDEP agent onsite prior to utilization of Proposed Disposal area 2 for any remaining spoil disposal. All vegetation shall be removed from disposal areas prior to disposal placement. To ensure stability of fill area(s) each lift of spoil material shall be keyed into existing ground by means of a horizontal cut into existing ground a minimum distance equal to the lift thickness being placed. Each lift shall be placed horizontally placing lifts that follow contour of existing grade is not acceptable. Each lift shall be compacted by means of a 10 ton combined compactive effort – vibratory roller, sheep's foot roller, etc. No lift of soil material shall exceed one (1) foot in

thickness and no lift of rock shall exceed three (3) feet in thickness. Surface shall be free of all rock exceeding three (3) inches in diameter. All areas transitioning from existing ground to Proposed Disposal Areas shall be smooth and uniform as to provide a consistent slope. The Proposed Disposal Areas are located near land owner's dwelling therefore night time operations will not be permitted unless otherwise directed by the WVDEP agent onsite. Otherwise standards are the same as Regrading and Topsoiling as stated above.

Final payment of this bid item shall be contingent upon receipt upon receipt of final surveyed acreage.

7.0 REVEGETATION

I. DESCRIPTION

A. This work shall include all operations incidental to the establishment of vegetation cover within the limits of construction as shown on the Drawings and any other areas directed and approved by the WVDEP. This work also includes the furnishing and the application of fertilizer, agricultural limestone, mulch, and the furnishing and sowing of seed, all in accordance with these Specifications and as designated herein.

B. No areas outside the limits of construction shall be disturbed without prior approval from the WVDEP in order to ensure that Right-of-Entry has been obtained.

C. Any areas disturbed by the Contractor outside the limits of construction shall be revegetated with all costs attributed to the Contractor and at no expense to the WVDEP.

II. MATERIALS

A. Fertilizer

1. The commercial fertilizer to be used shall consist of 10-20-10 grade of uniform composition and furnished in standard containers. These containers, in accordance with applicable state and federal laws, must be clearly marked with the following information:

- a) Weight
- b) Name of Plant Nutrients
- c) Guaranteed Nutrients Percentages

2. Fertilizer shall be applied at a minimum rate of 1,000 lbs/acre. Fertilizer shall be applied immediately to all areas reaching final grade by one of the two following methods:

- a) Apply and incorporate fertilizer during seedbed preparation.
- b) Apply fertilizer in hydro seeding mixture following seedbed preparation.

B. Limestone

1. The lime to be used will be an agricultural grade pulverized limestone containing a minimum of 10% $MgCO_3$ and not less than 75% total carbonates. Fineness will be such that no less than 75% will pass through a #100 sieve and 100% will pass through a #10 sieve.

2. Lime rate shall be formulated from soil test results. In the absence of soil testing, a rate of three (3) tons per acre will serve as a preferred minimum.

3. Lime shall be applied immediately to all areas requiring seeding

the foundation shall be set at an elevation which provides four (4) feet of head on the water supply line to operate the dosing unit. The location of the foundation shall be set to maximize the length and elevation drop of the receiving channel of the treated water and as determined by WVDEP agent onsite.

Payment shall be per each foundation after completion.

FOR THIS PERMIT: The channel in the foundation is to receive water from the Flow Proportional Siphon System (separate bid item). After treatment with the reagent, the water will exit the foundation into proposed Mixing Channel 2 (separate bid item).

16.3 CRANE

This item shall include furnishing a crane of sufficient capacity to disassemble/load the silo structure at its current location and unload and erect the silo structure onto the foundation at the new location. The silo structure weights approximately 10 ton. Payment for all of the work specified above shall be lump sum.

17.0 SECONDARY CHEMICAL TREATMENT SYSTEM

This item includes all work necessary to purchase, install and initiate operation of secondary chemical treatment system as indicated on the attached drawings and specifications. This unit must utilize caustic soda (sodium hydroxide) of 20% concentration. This includes but is not limited to the labor, equipment, 330-gallon chemical treatment tote, all stainless steel valves, piping and initial filling of the tote. This tote shall be utilized during temporary treatment.

Payment is for all of the work specified above and in the attached drawings and details and shall be made per each secondary chemical treatment system installed and operation verified by WVDEP agent onsite.

18.0 - R MODIFY EXISTING LIME DISPENSING UNIT STRUCTURE

Modification of the existing lime dispensing unit structure shall include the following upgrades. Payment shall be per each unit modified and approved by WVDEP. See attached drawings and details.

1. Four foot door shall be installed in accordance with the attached drawings and specifications. Steel for materials shall be of same grade as those existing on structure. The entirety of all adjoining surfaces of stiffeners shall be welded to insure structural integrity. Welding of stiffeners to the door and building steel sheets shall be by means of stitch welding (3" welds on 12" centers minimum). Line item shall also include all parts/materials shown in the Latch Detail View including door pin, two plates, two inch plate welded on door, 3.5-inch plate as a lock weather guard. The latch shall be made to either unlock door from outside, or open the door from the inside by removing the pin. Door shall also include three welded hinges, a door pull on each side of door, and a welded tab for holding door open on outside wall, see detailed drawings. Door installation shall include removing any affected insulation prior to door modifications, then replacement of insulation with original attachments

or use of Loctite or approved equivalent adhesive. A piece of 2-inch x 2-inch angle steel shall be welded on the roof above the main access door, and sloped to prevent water from running down the door. Painting for all accompanying materials shall be included in this line item.

2. Walking grate shall be installed to insure safe movement over treatment trough. An approximately 4-foot non-corrodible fiberglass anti-slip grate shall be installed from the wall toward the dosing unit. Grating must be cut to fit the trough's varying width. Top of grating shall be level with top of concrete. Installation shall be field proven and in compliance with the construction documents and specifications.
3. A 12-inch by 12-inch gable vent shall be installed at a location determined by WVDEP agent onsite. Vent shall be Builders Edge 12-inch x 12-inch white vinyl gable vent or equivalent. Hole, grinding, finishing, adhesive and painting to install vent shall be included in this line item. Adhesive to secure vent shall be Loctite Heavy Duty Construction Adhesive or approved equivalent that is approved for use on metal.
4. The silo and steel security enclosure shall be painted Tan. Painting process requirements including temperature, humidity etc. shall be performed in accordance with manufactures recommendations. See below Steel Surface Preparation prior to painting requirements. All steel surfaces on the exterior of the enclosure and exterior of the silo, exterior of the structure, shall be thoroughly cleaned, primed, and painted, utilizing Carboline brand Rustbond FC primer and two to three coats of Carboline brand Carbothane 133HB paint, or approved equivalents.

Steel Surface Preparation prior to painting:

The surface shall be prepared by non-blast cleaning to a SSPC-SP2, SP3, or SP12-WJ4 requirement (Structural Steel Protective Coatings, Surface Preparation standards). However any areas that remain deeply pitted with rust, once the above cleaning is complete, shall be abrasive blast cleaned –SP6 requirement. The interior shall have the insulation removed prior to cleaning for painting and then replaced.

In preparing a previously painted surface, all grease, oil, dirt, other foreign substances, all corrosion and all paint that shows evidence of corrosion, peeling, excessive thickness, brittleness, blistering, checking, scaling, poor adhesion, or general disintegration shall be removed. It is essential that the removal of the old paint be carried back around the edges of the spot or area until an area of completely intact and adhering paint film, with no rust or blisters underneath, is attained. Edges of tightly adherent paint remaining around the area to be recoated shall be feathered so that the repainted surface can have a smooth appearance. The remaining old paint shall have sufficient adhesion so that it cannot be lifted as a layer by inserting a blade of a putty knife under it or be removed by wire brushing or light scraping. The rate of cleaning may vary from one area to the next in order to achieve the desired end condition.

All laminar and stratified rust that has formed on the existing steel surfaces shall be removed. Pack rust formed along the perimeter of mating surfaces of connected plates or shapes shall be removed to the extent feasible without mechanically detaching the mating surface. Any rust remaining after cleaning shall be tight and intact when examined using a dull putty knife. The entire dosing unit and frame shall be sandblasted, primed, and repainted. Remove cable and winch system with brackets, and remove and plug wire access piping.

After cleaning, lightly sand or abrade the existing remaining paint to roughen and degloss the surface prior to repainting.

5. Top hatch grate shall be installed to insure safety when accessing top hatch of dosing unit. An approximately 2-foot by 2-foot section of non-corrodible fiberglass anti-slip grading of grate of 1.5-inch thickness shall be installed inside of the top hatch of the dosing unit. Grating must be cut to fit the top hatch's varying width and length, and may be slightly different at each site. Grating shall have 1.5-inch by 1.5-inch openings. Top of grating shall be level with top of the hatch and must allow for complete closing of the top hatch lid. Grating shall be supported by installation of 1-inch by 1-inch by ¼-inch thick stainless steel angle, which shall be welded on the circumference of adjoining surfaces to insure structural integrity by means of stitch welding (2" welds on 6" centers minimum). Installation shall be field proven and in compliance with the construction documents and specifications.
6. Lime Inlet Distribution Box will be mounted on the silo roof. Lime Inlet Distribution Box will be securely mounted to silo with a continuous weld to insure a dust and water tight enclosure. Target box will be designed to reduce the velocity of the chemical being conveyed and allow it to drop into the storage bin in an even pattern. The existing fill pipe will be modified to connect to target box and entire circumference of filler pipe will be welded to target box as to insure a dust and water tight connection.
7. Lower existing lime dispensing unit by reducing the length of the silo support legs (H-Beams). The contractor will be required to modify the roof of structure in order to facilitate the lowering of the silo. Installation of a tube to lower the unit is not acceptable.
8. The lime dispensing unit shall have the wheel cover replaced with a new stainless steel cover with a minimum thickness of 16 gauge.
9. Weld any cracked or broken hinges, loose metal or roof-to-wall seams that may be broken or loose.
10. Remove wench, wire rope, anchor and associated equipment from the lime dispensing unit structure and silo. Patch hole where the wire rope enters the silo with a metal patch, weld entire circumference of patch to silo.

Contractor is responsible for removing the remaining calcium oxide prior to relocation and shall be incidental to the Relocate Lime Dispensing Unit, Enclosure and Silo bid item. Calcium Oxide may be removed pneumatically or by any other means found acceptable by WVDEP Engineer. Any chemical removed can be utilized onsite for revegetation/vegetative enhancement following established procedures. All threads shall be treated with anti-seize coating.

19.0 – R RENEWABLE ENERGY VIBRATOR SYSTEM

I. DESCRIPTION OF WORK

- A. Install a MS Control (or approved equivalent) Renewable Energy Vibrator System (REVS); which shall include all materials, control equipment, accessories and incidentals required and as shown on the attached drawings, described in the Operations and Maintenance Manuals, and according to manufacturer's specifications. The manufacturer of all of the REVS components shall be fully experienced, reputable, and qualified in the manufacturing of the equipment. All work must be in compliance with local, state, federal codes and regulations. The principle items shall include a vibrator, controls, and renewable energy source.

II. APPLICABLE PUBLICATIONS

- A. The following documents can be referenced to indicate specific manufacturing and material performance capabilities:
1. WV DOT Specification 711 – Paints and coatings
 2. ISO 9001 – Quality management standard for solar panels
 3. UL1703 - Flat-Plate Photovoltaic Modules and Panels

III. PRODUCTS AND MATERIALS

A. Documents

1. A plate shall be made and securely installed in plain view that includes but is not limited to the Manufacturer's name, address, telephone number, make/type/style of unit, model name and number, serial number, date installed, installers name and telephone number.
2. Three (3) copies of an Operation & Maintenance Manual shall be provided to the WVDEP OSR prior to system start-up. The manual(s) shall include, but not be limited to description of installation, system operation, maintenance procedures, repair parts list, equipment schematics, electrical schematics, troubleshooting tips, etc.

A. General Requirements

1. Enclosures
 - a) The enclosure and solar panel shall be four-inch (4") steel schedule 80 pipe anchored three feet (3') in the ground with concrete and extending eight-feet (8') above the ground level and the exposed end shall have a welded end cap. The pipe and end cap shall be coated with industrial epoxy paint in accordance with WVDOH Specification 711.

2. Wiring
 - a) All wire, inclusive of control and power outside of enclosures shall be contained inside of at a minimum schedule 40 PVC conduit, all connections water tight, and all 90° elbows long sweep type.

IV. INSTALLATION

A. General

1. Installation of a MS Control (or equivalent) Renewable Energy Vibrator System (REVS) or equivalent as approved by the WVDEP Engineer and shall include all materials, control equipment, accessories and incidentals required and as shown on the attached drawings, described in the Operations and Maintenance Manuals, and according to manufacturer's specifications. The manufacturer of all of the REVS components shall be fully experienced, reputable, and qualified in the manufacturing of the equipment. All work must be in compliance with local, state, federal codes and regulations. The principle items shall include a vibrator, controls, and renewable energy source.

B. System Requirements

1. 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.
2. 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.
3. Cycle interval shall be every hour and duration time is one minute.

C. Vibrator

1. 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 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 1/4" 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

1. 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.
2. The contractor is responsible for selecting the size and number of solar panels required to meet the demand as listed in the energy budget. The solar panels shall meet ISO 9001 and UL1703 Testing Standards and utilize multi-crystalline technology with a silicon nitride (SiN) coating that enhances cell efficiency. Panels must be encapsulated beneath high transmission tempered glass is accomplished using an advanced, UV resistant thermal setting plastic. The rear surface of the module shall be completely sealed from moisture and mechanical damage by continuous high strength polymer sheet. The panel must incorporate a reinforced anodized aluminum frame, designed for corrosion resistance. Brackets and associated hardware attaching the solar panels to the support structure shall be either anodized aluminum or stainless steel.
 1. The solar controller shall provide a system status display, electronic protection (inclusive of lightening and surge protection, reverse current, voltage spikes) and must be the appropriate version to operate with the selected energy producing and storage devices.
 2. The battery(s) shall be sealed lead-acid battery(s) that utilize Absorbent Glass Mat (AGM) technology. Battery(s) shall be valve regulated with spill proof construction. No single battery

shall exceed 70 pounds. The contractor is responsible for selecting the size and number of battery(s) required to meet the storage requirements as listed in the energy budget.

V. MEASUREMENT AND PAYMENT

A. Payment

1. Payment shall be for all labor, materials, control equipment, accessories and incidentals required for the successful installation and operation of a MS Control (or equivalent) Renewable Energy Vibrator System (REVS). Payment per each.

VI. WARRANTY

- A. The contractor shall warrant all components of the REVS to be free from defects in material and workmanship and will replace or repair (at no cost to WVDEP) any parts or parts returned to which examination shall show to have failed under normal use and service by the user within twelve (12) months following start-up and operation.

NOTE: Prior to plant startup, all equipment shall be inspected and approved by WVDEP Engineer. Once the system is fully charged and operational, the Renewable Energy Storage shall be tested by disconnecting the solar panels for a period of four (4) days, during which time the system will be expected to operate normally. At the end of four (4) days the solar panels shall be reconnected and timed to determine the amount of time it takes to fully recharge the system.

20.0 FENCE

Provide and install all materials for a fence system around areas of the project as shown on the drawings, as specified and as needed for a complete and proper installation. Contractor shall provide all necessary material, equipment, and adequate numbers of skilled workman who are trained and experienced in the necessary crafts and who are familiar with specified requirements to perform the work and install fence at the locations shown on the plans and/or as directed by the WVDEP agent onsite. Final location of fence and gates shall be approved by the WVDEP agent onsite.

Unless otherwise indicated, the ASAE Specifications for Farm Fence Construction shall apply. (ASAE EP250.2 DEC01). Exceptions to the specifications are listed below:

1. Woven wire fence fabric shall be used (10-47-6-11).
2. One strand of barbed wire shall be placed 3-inches above the top strand of the woven wire.
3. Use gate specifications for placing gates in fence line.
4. Line posts shall be spaced 10-feet apart with a maximum distance of 15 feet in rocky soil conditions.
5. Some fence curvature is anticipated. However contractor shall use a string line to align straight runs of fencing as near straight as practical.
6. Line posts shall have a minimum length of 7 ½ feet.
7. Posts may be driven, tamped, or set in concrete as necessary.
8. Landscape timbers with flat sides do not meet minimum thickness requirements, and shall NOT be utilized as line or brace posts.

MATERIALS

- Woven wire fabric shall conform to the current American Society for Testing and Materials ASTM A116, Specifications for Zinc-Coated (Galvanized) Iron or Steel Farm-Field and Railroad Right-of-Way Wire Fencing. The wire shall be coated with Class-1 zinc coating. Barbed wire shall be composed of one main strands of number 15 ½-gage wire with 16-gage round barbs. If four-point barbed wire is specified, barbs shall be spaced on approximately 5-inch centers. Barbed wire shall conform to the requirements of the current ASTM A121.
- Smooth wire for braces shall be galvanized 0.40 oz. per sq. ft. or aluminum-coated 0.34 oz. per sq. ft. No 9 gage steel wire, minimum tensile strength 45,000 psi.
- Wire ties, clamps and staples shall be coated equivalent to fence or barbed wire specified. Staples shall be 9-gage, and 1 inch long for use in dense hardwoods and 1.5-inch long for use in preservative-treated softwoods.
- Nails, bolts, and other fence hardware shall be hot-dipped galvanized as per ASTM A153, Specifications for Zinc Coating (Hot Dip) on Iron and Steel Hardware.
- Wood posts and braces shall be pressure-preservative treated according to AWPA Wood Preservation Treating Practices, latest revision and may be round or square. Decay-resistant species may be used untreated if specified.
- Minimum normal size and lengths shall be as follows, or as specified in the plans.
- Wood vertical corner, intermediate, and end posts shall be a minimum 6-inch top diameter or square and 8-foot length.
- Wood horizontal brace posts shall be a minimum 4-inch top diameter or square and 7.5-foot length.
- Wood vertical line posts shall be a minimum 4-inch top diameter or square, a minimum 7.5-foot length, and shall be set a minimum of 3-feet deep.
- Post spacing shall be as specified on the plans. Posts pointed for driving shall be shaped before preservative treatment.
- Landscaping timbers with flat sides do not meet the minimum thickness nor treatment requirements; therefore, are not allowed.

ASSEMBLIES

Corner assemblies are constructed as two end assemblies with a single end post. Horizontal brace assemblies shall have the end or corner, and brace, posts set a minimum of 3-feet deep. Brace posts shall be spaced to accommodate a minimum of 7.5-foot long brace. Horizontal braces shall be mounted 12-inch below the top of the end post. Wire braces shall be four strands of 9 gauge steel wire positively fastened 4-inch below the top of the post and 4-inch above grade. They shall be tightened (twisted) with a 0.75 X 1-inch wood slat or 0.38-inch diameter steel rod until the entire assembly is rigid. Slat or rods shall be left in position. Diagonal brace assemblies recommended in soft soils shall have the end or corner, and brace posts set a minimum of 3-feet deep. Brace posts shall be spaced to accommodate 7.5-foot long brace. Fencing is stretched from the first brace post. Ends are filled in after wire is attached. Pull-post assemblies shall be placed a maximum of 500-feet apart in straight runs and at the top and bottom (ridge and valley) of appreciable slope changes. Construction will follow the specifications. Smooth wire braces shall be placed as in details. See attached drawings for more details.

CONSTRUCTION

Contractor string shall be first stretched at the bottom to determine alignment of line posts and shall be temporarily fastened to end posts. The fence shall be attached to one end (or corner) post and the fence stretchers attached to the opposite end (corner post) post (or pull-post assembly). The fence at the stretcher end is then attached directly to the pull-post corner or end. The fence or stretchers shall be attached to the first brace post in the assembly. Its design provides for maximum strain taken at this point. A slack span of fence fabric is used between the end (or corner) post and the first brace post after stretching is completed. With the pull-post assembly the fence fabric shall be extended past the first post and attached to the middle post. The wires shall be cut and wrapped around the post. The tension for stretching the woven-wire fence shall be applied at two points on the clamp bar for all fences over 32-inch high by using stretchers designed and manufactured for that purpose. Stretchers shall be so designed that tension can be applied to both ends of the bar at the same time. All splices in the fabric shall be securely made, with a Western Union splice or commercial splicing device approved by the engineer. The tension for stretching the barbed wire shall be applied by use of single-wire stretchers designed and manufactured for that purpose, and in accordance with the manufacture's recommendations.

Method of measurement for this item shall be per linear foot of fence in conformance with the drawings, specifications and accepted by the WVDEP onsite agent or Engineer. Removal of existing fence as described above shall be incidental to and included in this bid item.

FOR THIS PERMIT: Install approximately two thousand six hundred (2,600) linear feet of fence along the property boundary as show on the attached Overview Map and Specifications.

20.1 GATE, 10-FOOT

Gates shall be hot-dipped galvanized as per ASTM A153 specifications for zinc coating (hot dip) on iron and steel hardware. Gates shall be painted Forest Green. Wood posts and braces shall be pressure-preservative treated according to AWPA Wood Preservation Treating Practices, latest revision and may be round or square. Decay-resistant species may be used untreated with prior approval from WVDEP Engineer. Gate posts shall be a minimum 6-inch top diameter or square and 8-feet long. Postholes shall be a minimum of 3-feet deep and 12-inches in diameter or square. Sides shall be nearly vertical. Posts shall be embedded in concrete. The embedment shall extend 2-inches above grade at the post and shall slope to grade at the edge of the concrete. Concrete shall have minimum 28-day test strength of 4000 psi. Posts shall be braced to support the weight of the gate. Conventional bracing or use of a dead man will be considered for approval.

Each gate shall be 10-feet wide and 2-inch diameter heavy-duty pipe gates or approved equivalent. Provide a lockable latch, which includes protection from the elements; for the lock. All hardware, posts, and/or accessories necessary for installation of gates shall be incidental to and included in the installation of each gate as part of this bid item.

Payment shall be made at the completion of each installation and acceptance by the WVDEP onsite agent. See attached Overview Map, drawings and specifications.

FOR THIS PERMIT: Install two (2); 10-foot gates at four (4) locations. The gate locations shall be determined by project plans or as directed by the WVDEP agent onsite. See attached Overview Map and specifications.

21.0 - R UNDERDRAIN

The Underdrain shall be excavated and installed according to attached drawings and specifications. The Underdrains shall be constructed to collect all seep water for conveyance to the treatment sites. The Underdrains shall be 4-foot by 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 Underdrain shall be wrapped with filter fabric (Tyvar 3401 or equivalent). Filter fabric may be omitted from areas where the seepage enters the Underdrain if approved by the WVDEP agent onsite. Clean outs will consist of solid pipe that will wye into the perforated pipe and extend out of the ground and shall be covered with a PVC cap. Any portion of the pipe (excluding cap) that is above ground level shall be wrapped with the appropriate size black corrugated HDPE pipe to shelter the pipe from UV rays. A 12-inch perforated SDR 35 PVC pipe shall extend the length of the Underdrain and connect to the seep conveyance drain (separate bid item). A minimum of 40-mil HDPE synthetic liner shall cover the bottom and lower side/ends of the Underdrains. See attached drawings and details. Cover the Underdrain with a minimum of 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 and/or placement of fill material necessary to construct Underdrain, furnishing and placement of filter fabric, aggregate, all fittings necessary for installation, all materials specified above and on the attached drawings, and all other work necessary for the acceptable installation of the Underdrain will not be measured but shall be considered incidental to the construction of the respective Underdrain and shall be included in this bid item. See attached specifications for Detectable Underground Utility Marking Tape.

Payment for each Underdrain is for complete installation and verified by WVDEP agent onsite. The method of measurement for payment shall be on a linear foot basis measured along the centerline of the Underdrain.

NOTE: Water shall be pumped from ponds prior to modification or elimination. Water in the existing ponds shall be analyzed and treated before discharging into receiving waters of the State. Contractor shall coordinate with WVDEP agent onsite to ensure treatment of water is addressed prior to pumping each pond. With coordination and direction of the WVDEP agent onsite, the onsite chemical treatment and settling ponds can be utilized to treat water from ponds being pumped. Contractor shall provide pumping equipment, field testing, and personnel or other items needed to complete this bid item. Contractor will not be required to supply chemical to treat water. The water pumped out of the ponds during dewatering shall be pumped into the existing Ponds onsite. This shall be incidental to and included in the cost of this bid item. If deemed unnecessary to treat water from ponds, as determined by WVDEP agent onsite, contractor shall pump water from ponds into geotextile filter bag (see attached specification) prior to water leaving the permit area. Cost of geotextile filter bag(s) shall be incidental to and included in the cost of pond cleaning and modification. If deemed

necessary by the WVDEP agent onsite, silt fence and hay bale dike and sump(s) shall be used in conjunction with geotextile filter bag(s). Silt fence and hay bale dike and sump(s) shall be paid under separate bid items.

21.1 UNDERDRAIN 1

Install approximately three hundred-fifteen (315) linear feet between Manhole 1 and Flow Proportional Siphon System. Eliminate existing Settling Ponds C and D to construct Underdrain 1. The solid pipe shall convey flow into Vault A of the Flow Proportional Siphon System.

21.2 UNDERDRAIN 2

Install approximately twenty-five (25) linear feet of underdrain at seep near the cluster of Pine trees.

21.3 - R UNDERDRAIN 3

Install approximately one hundred (100) linear feet of underdrain, north of the Channel 10 near the existing Access Road. NOTE: Use caution as there may be unmarked pipes in this area.

21.4 UNDERDRAIN 4

Install approximately twenty-five (25) linear feet of underdrain replacing Existing Seep Collector 2. The seep conveyance pipe shall convey flow into Vault A of the Flow Proportional Siphon System. Construction of Underdrain 4 shall be installed as to not obstruct ditch line. A portion of existing Seep Collector 2 will be removed in order to properly install Underdrain 4 and shall be considered incidental to and included in this bid item.

22.0 INCIDENTAL STONE

During construction of culverts installations, roadway ditch improvements, reshaping of the roadway, rock check dams, rock filter outlets, areas around ponds designated to receive aggregate, and any additional areas that may need stone. Gradation and placement shall be as directed by the WVDEP agent onsite. Payment shall be paid per ton of stone applied by weight ticket and will be made at completion of all work and acceptance by WVDEP.

23.0 CONCRETE SPREADER

Provide all materials, including concrete, reinforcing steel, riprap, crushed stone, weir plate and weir base and any accessories and incidentals required for the successful installation and operation of the Concrete Spreader. All excavation, fill placement, leveling, forming and machining are considered incidental to and included in the Concrete Spreader pay item. HDPE pipes, where required, are separate bid items. All threads shall be treated with anti-seize coating. The concrete shall be Type II Sulfate Resistant Concrete (WVDOH Sec. 601). The concrete spreader shall have dimensions as shown on drawings. Reinforcing steel shall be utilized as indicated in the attached drawings. The weir plate, weir base, and all hardware shall be 316 stainless steel. The pond liner shall be considered incidental to and included in the each pond pay item.

Payment for each concrete spreader constructed and approved by WVDEP agent onsite.

24.0 - R HDPE CULVERT – 18-INCH

The culvert shall be HDPE; dual wall smooth interior corrugated exterior twenty (20) foot joint type. The pipe joints shall be silt-tight and the pipe shall meet ASTM D3350 manufacturing standards. The culvert locations shall be determined by project plans or the WVDEP agent onsite.

STANDARD INSTALLATION

Culverts installed in access roads shall cross the road at a 30 degree angle downgrade with a minimum grade of three percent (3%) from inlet to outlet, except in streams or diversion ditches where the pipe shall be installed straight and coincide with the normal direction of flow.

The culvert inlet and outlet ends shall be protected by a headwall of stable non-erodible material and the slope at the outlet shall be protected with an apron of rock riprap, energy dissipater or other designated material. The culvert shall be installed in a trench excavated in solid undisturbed ground or formed by compacted earth. Any soft areas under culvert location shall be undercut and suitable material placed and compacted in undercut areas.

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 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 2-feet of material.

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

NOTE: For the proposed culvert to be installed along CR 7/10, care should be taken as to not damage the existing roadway during construction activities and provide appropriate traffic control measures (as deemed appropriate by WVDOH) to ensure safety to the public. Any traffic control and/or repairs to the road shall be incidental to and included in this bid item. Caution: Waterline in area.

FOR THIS PERMIT: Install approximately two hundred twenty (220) linear feet of 18-inch HDPE culvert. The culvert locations shall be determined by project plans or by the WVDEP agent onsite. See attached Overview Map and specifications.

25.0 LIMESTONE BED

The Limestone Bed shall be constructed by means of placing a layer of woven engineering fabric (fabric for separation) on top of the 60-mil pond liner to serve as a protective barrier between limestone and liner. Contractor shall then place a minimum tonnage of 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 engineering fabric (fabric for separation) mid length of bed. During construction a

layer of orange safety fence shall also be installed. Top of Limestone Bed shall be 6-inches above the flow line of the associated structure as to ensure all flow will pass through the Limestone Bed. See attached Overview Map and Limestone Bed Detail drawing.

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. Payment shall be for each Limestone Bed installed and approved by WVDEP agent onsite.

25.1 - R LIMESTONE BED 1

FOR THIS PERMIT: Install approximately eight hundred (800) tons of AASHTO #1 limestone to create Limestone Bed 1 north of the Manhole 2 for approximately one hundred sixty-five (165) feet long by twenty (20) feet wide by four (4) feet deep and discharge into Channel 5 as shown on the attached Overview Map and in details and specifications.

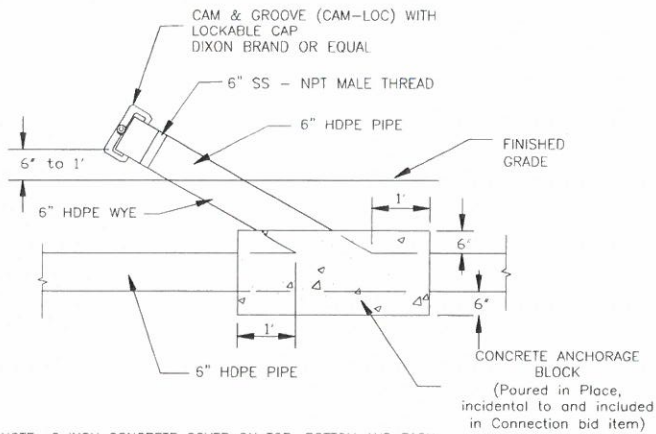
25.2 LIMESTONE BED 2

FOR THIS PERMIT: Install approximately four hundred fifty (450) tons of AASHTO #57 limestone shall be placed to create Limestone Bed 2 within Pond 8; approximately thirty (30) feet long by forty (40) feet wide by six (6) feet deep as shown on the attached Overview Map and in details and specifications.

26.0 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 of 3-inch by 4-inch by 24-inch 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 ¼-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. Secure anchor points (pipe, rods, or treated posts) shall be installed at the ponds edge to hold the baffle in place. Anchor points and the baffle location shall be approved by the WVDEP agent onsite before installation. The wire cable and shackles shall be attached in such a way to allow for easy disconnect while sludge is being pumped from the pond. All cable fasteners, eye bolts, and other accessories shall be stainless steel to prevent corrosion, and shall be incidental to this pay item. The baffle curtain opening slots shall be cut into the curtain below the hot seam seal at the top of the baffle, as directed by WVDEP agent onsite. The spacing and the size of the slots shall be determined by the WVDEP Engineer or agent onsite, and shall be installed at the time of installation at pond site. Any adjustments to the quality of baffle curtains must be approved by WVDEP agent onsite.

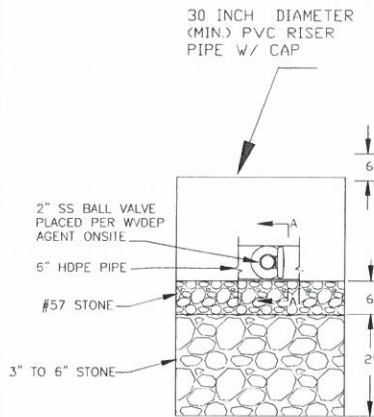
Payment shall be per linear feet of baffle curtain installed as shown on the attached drawings, details and specifications.



NOTE: 6 INCH CONCRETE COVER ON TOP, BOTTOM AND EACH SIDE OF HDPE PIPE AS SHOWN.

PUMP CONNECTION SHALL BE PARALLEL TO ADJACENT POND EMBANKMENT.

PUMP CONNECTION END (INLINE)

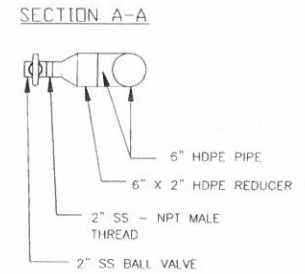


NOTES: 5 INCH CONCRETE COVER ON TOP, BOTTOM AND EACH SIDE OF HDPE PIPE AS SHOWN

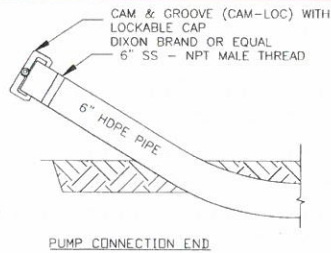
PUMP CONNECTION SHALL BE PARALLEL TO ADJACENT POND EMBANKMENT

IN AREA OF 2 INCH DRAIN, SLUDGE LINE SHALL HAVE 1/8 FOOT MINIMUM COVER AS TO ALLOW 2 INCH DRAIN TO FLOW BACK INTO POND UNDER NORMAL POOL ELEVATION

PUMP CONNECTION END WITH DRAIN (INLINE)



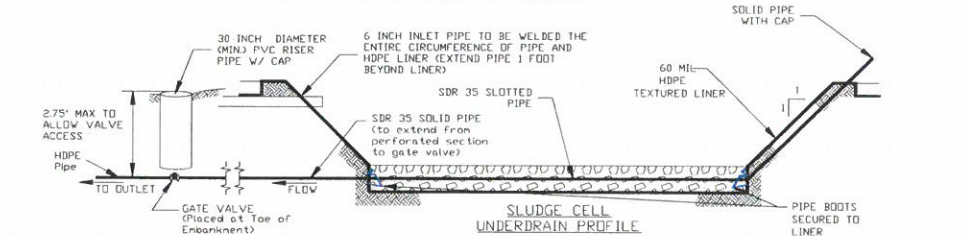
CONCRETE ANCHORAGE BLOCK
(Poured in Place, incidental to and included in Connection bid item)



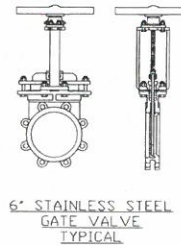
PUMP CONNECTION END

NOTE: THE UNDERDRAIN SHALL BE INSTALLED ALONG THE ENTIRE LENGTH OF BOTTOM (CENTER) OF SLUDGE CELL.

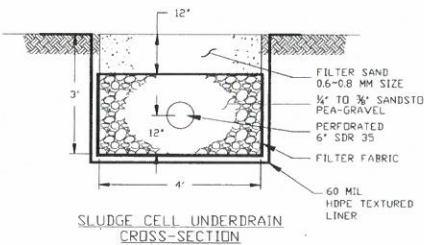
WCAP SLUDGE CELL WILL NOT UTILIZE THE LINER OR PIPE BOOT



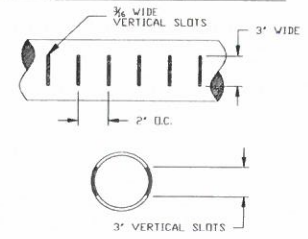
SLUDGE CELL UNDERDRAIN PROFILE



6" STAINLESS STEEL GATE VALVE TYPICAL



SLUDGE CELL UNDERDRAIN CROSS-SECTION



SLUDGE CELL UNDERDRAIN PERFORATION



HDPE 1/2" MANIFOLD DETAIL

NOT USED FOR THIS PROJECT

- 1. ALL VALVES SHALL HAVE 5/8 INCH CAM-LOC FITTINGS
- 2. LINE TO DOWATERING BARGE SHALL BE 4 INCH DIA. FLAT OR WITH 5/8 INCH CAM-LOC FITTINGS
- 3. ALL VALVES SHALL BE BAND OR EQUIVALENT BALL VALVES
- 4. CONNECTION TO THE DOWATERING BARGE IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE WCAP ENDER TUBE CONNECTION DETAILS.
- 5. MANIFOLD "T" SHALL BE 4 INCH BY 4 INCH BY 4 INCH WITH THE 6 INCH END WELDED COMPLETELY TO THE 6 INCH HDPE SLUDGE PIPE.

OFFICE OF SPECIAL RECLAMATION
254 INDUSTRIAL DRIVE
OAK HILL, WV 25901
OFFICE: 1-304-485-1911
FAX: 1-304-485-5031

DEP CONTRACT NO. 16304
DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:



REVISIONS			
DATE	BY	✓	
NOVEMBER 2013	MLB		NLP

HALLELUJAH MINING
PERMIT 40-81
DEP16304
PRESTON COUNTY, WEST VIRGINIA

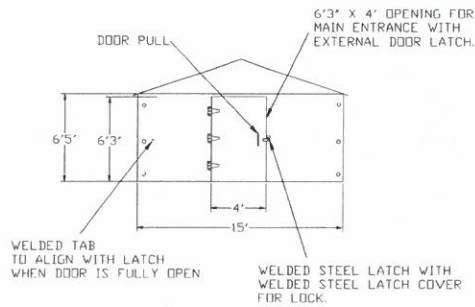
SLUDGE CELL DETAILS

SCALE: NONE

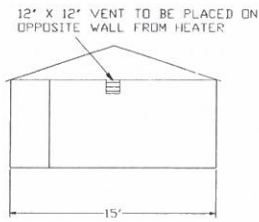
DATE: AUGUST 2013

SHT. NO.
8-R
TOTAL
23

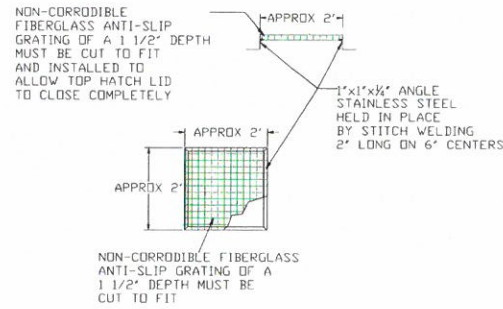
4' WIDE DOOR



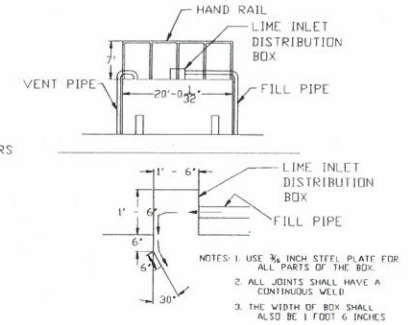
VENT DETAIL



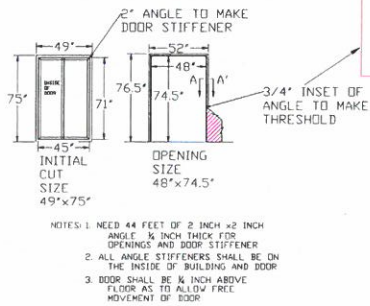
TOP HATCH DETAILS



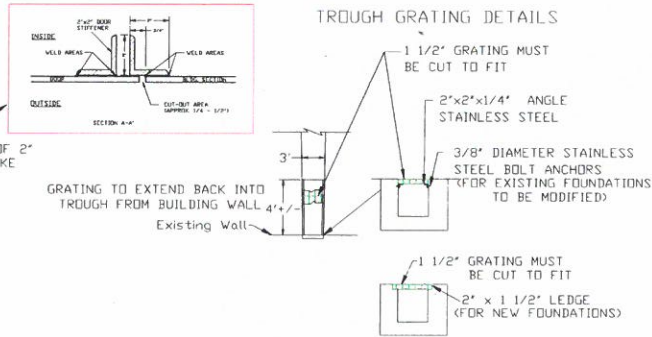
FILLING PIPE MODIFICATION DETAILS



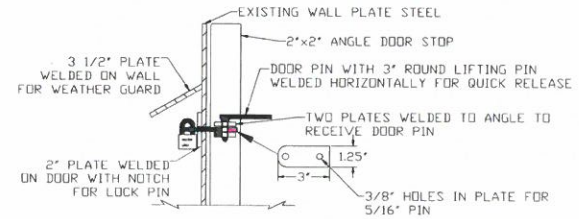
4' WIDE DOOR DETAILS



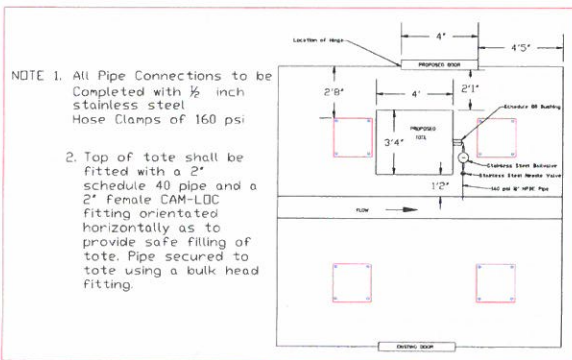
TROUGH GRATING DETAILS



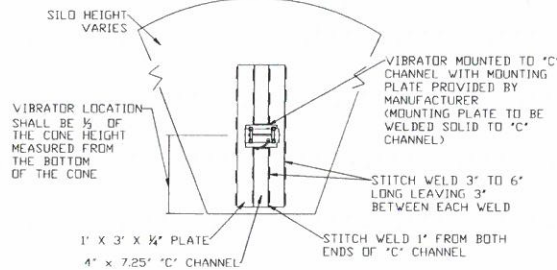
LATCH DETAIL VIEW



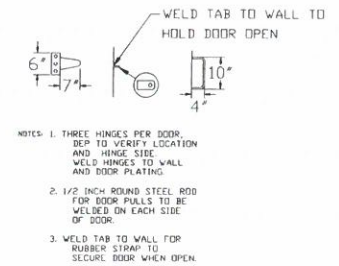
SECONDARY CHEMICAL TREATMENT SYSTEM



SILO VIBRATOR DETAILS



HINGE AND PULL DETAILS



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

DEP CONTRACT NO. 16304
DESIGNED BY
DRAWN BY
CHECKED BY
APPROVED BY

west virginia
dep
Division of Land Restoration
Office of Special Reclamation

REVISIONS			
DATE	BY	VP	WD
NOVEMBER 2013	NLP		

HALLELUJAH MINING
PERMIT 40-81
DEP16304
PRESTON COUNTY, WEST VIRGINIA

AQUA-FIX BUILDING MODIFICATION DETAILS

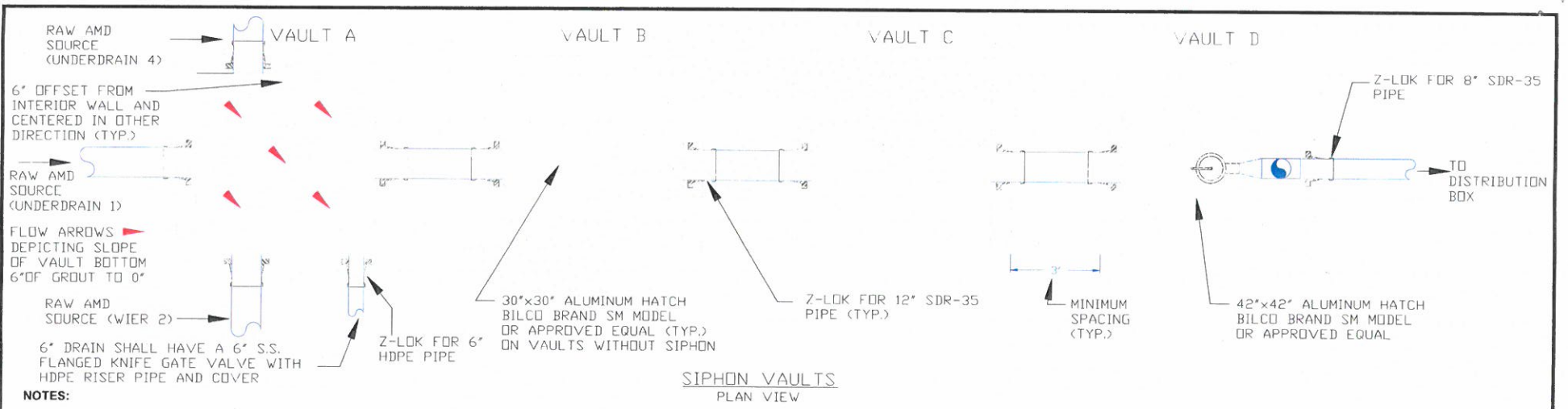
SCALE: NONE

DATE: AUGUST 2013

SHT. NO.
11-R

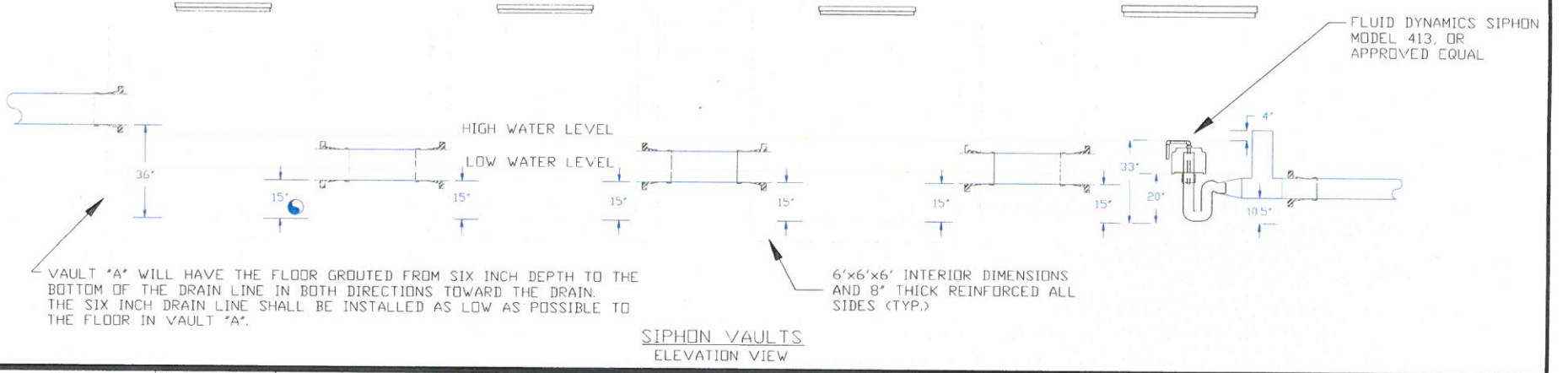
TOTAL

23



NOTES:

1. THE WVDEP SHALL REQUIRE APPROVED SHOP DRAWINGS OF ALL STRUCTURES FROM THE CONCRETE PRECAST COMPANY THROUGH THE CONTRACTOR.
2. THE PRECAST MANUFACTURER IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURAL REINFORCEMENT.
3. THE PRECAST MANUFACTURER SHALL INCLUDE EACH SECTION WEIGHT INFORMATION TO CONTRACTOR FOR PURPOSES OF HAVING APPROPRIATE SIZE CRANE OR LIFTING EQUIPMENT ONSITE.
4. THE STRUCTURES SHALL BE FABRICATED IN FORMS IN WHICH HORIZONTAL AND VERTICAL ALIGNMENT IS MAINTAINED.
5. THE Z-LOK FLEXIBLE SLEEVES SHALL BE CAST INTO THE SECTIONS.
6. THE PRECAST SECTIONS SHALL BE HANDLED BY INSERTS OR OTHER MEANS WHICH WILL PERMIT THEM TO BE LIFTED AND TRANSPORTED WITHOUT INCURRING CRACKING AND SPALLING.
7. THE CONCRETE SHALL USE PORTLAND TYPE II SULPHATE RESISTANT CEMENT AND SHALL REACH A MINIMUM COMPRESSION STRENGTH OF 2500 PSI AFTER 24 HOURS AND HAVE A MINIMUM COMPRESSION STRENGTH OF 5000 PSI AFTER 28 DAYS. XYPEX OR EQUIVALENT ADDITIVE SHALL BE USED AS PART OF THE MIX.
8. THE CONCRETE SHALL HAVE A COMPLETE BOND TO THE REINFORCEMENT STEEL.
9. VAULT "A" SHALL HAVE THE BOTTOM GROUTED TO SLOPE TOWARD THE SIX INCH DRAIN PIPE.
10. THE SIPHON SHALL BE MOUNTED LEVEL IN A PLASTIC BUCKET WITH A MIN. DIAMETER OF 16 INCHES, FILLED WITH CONCRETE TO A HEIGHT OF 12 INCHES WITH THE EXCESS BUCKET TO BE TRIMMED.
11. TWO 6 INCH LIFTS OF COMPACTED 1-1/2 INCH CRUSHER RUN AGGREGATE SHALL BE PLACED UNDER THE BASE OF THE VAULTS AND SHALL EXTEND BEYOND THE EXTENTS OF EACH VAULT ON EACH SIDE BY A MINIMUM OF 1 FOOT (TYP.).



OFFICE OF SPECIAL RECLAMATION 254 INDUSTRIAL DRIVE OAK HILL, WV 25901 OFFICE: 1-304-465-1911 FAX: 1-304-465-0031	DEP CONTRACT NO. 16304	 Division of Land Restoration Office of Special Reclamation	REVISIONS		HALLELUJAH MINING PERMIT 40-81 DEP16304 PRESTON COUNTY, WEST VIRGINIA	FLOW PROPORTIONAL SIPHON SYSTEM SIPHON VAULTS		SHT. NO.
	DESIGNED BY:		DATE: NOVEMBER 2013	BY: [Signature]		CS: [Signature]	14-R	
	DRAWN BY:						TOTAL	
	CHECKED BY:						23	
APPROVED BY:					SCALE: NTS	DATE: AUGUST 2013		

REQUEST FOR QUOTATION NO. DEP16304
Hallelujah Mining (40-81)

SIGN IN SHEET

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Date: October 24, 2013

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

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>AQUAFIX Sys Inc.</u> Rep: <u>Mike Jenkins</u> Email Address: <u>mjj@aquafix.com</u>	<u>301 Maple Lane</u> <u>Kingwood WV 26537</u>	PHONE <u>304-329-1056</u> TOLL FREE FAX <u>304-329-1217</u>
Company: <u>Breakaway Inc</u> Rep: <u>Brian Hoard</u> Email Address: _____	<u>1075 old turnpike Rd</u> <u>Sutton WV 26601</u>	PHONE <u>304 765 5317</u> TOLL FREE FAX _____
Company: <u>McCourt & Son Const.</u> Rep: <u>GARY Long</u> Email Address: <u>glong@wirefire.com</u>	<u>2790 Centralia Rd</u> <u>Sutton WV 26601</u>	PHONE <u>304 765 5288</u> TOLL FREE FAX <u>304 765 5293</u>
Company: <u>EASTERN ARROW CROP INC</u> Rep: <u>HARLIS MITCHELL</u> Email Address: _____	<u>P.O Box 4108</u> <u>CHARLESTON WV</u>	PHONE <u>304-414-0255</u> TOLL FREE FAX <u>304-414-0256</u>
Company: <u>Aspen Corporation</u> Rep: <u>Richard Koger II</u> Email Address: <u>rkoger@aspen-golf.com</u>	<u>2400 Ritter Drive</u> <u>Danels WV 25832</u>	PHONE <u>304-887-0108</u> TOLL FREE FAX <u>304-763-4591</u>

REQUEST FOR QUOTATION NO. DEP16304
 Hallelujah Mining (40-81)

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FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Green River Group LLC</u>	2310 Smithtown Rd	PHONE <u>681-285-5117</u>
Rep: <u>Marty Turner</u>		TOLL FREE <u>304-594-3991</u>
Email Address: <u>MTURNER@GREENRIVERGROUPLLC.COM</u>	<u>MORGANTOWN WV</u>	FAX <u>304-594-3992</u>
Company: <u>J.F. ALLEN CO</u>	PO Box 2049	PHONE <u>304-472-8890</u>
Rep: <u>Scott Broschart</u>		TOLL FREE <u>3</u>
Email Address: <u>James.Allen@JFallenCo.com</u>	<u>Buckhannon WV 26201</u>	FAX <u>304-472-8897</u>
Company: <u>LOWGIRL WP INC</u>	PO Box 245	PHONE <u>304-759-4397</u>
Rep: <u>DENNIS C. ELBON</u>	<u>SIMPSON, WV 26459</u>	TOLL FREE
Email Address: <u>DCE_LOWGIRL_WP@PARSHAMM.ACT</u>		304-626-1061
		FAX <u>304-759-4401</u>
Company: <u>GREEN Mountain CO</u>	511 50th St	PHONE <u>304-925-0253</u>
Rep: <u>David H. Bowman</u>	<u>Charleston WV</u>	TOLL FREE
Email Address: <u>DHB 722c Yahoo! Lu</u>	<u>25304</u>	FAX <u>304-925-9230</u>
Company: <u>CENTRAL Contracting Inc.</u>	P.O. Box 1485	PHONE <u>304-722-4939</u>
Rep: <u>TIM ALIFF</u>	<u>St. Albans, WV 25177</u>	TOLL FREE
Email Address: <u>TimA@centralc.com</u>		FAX <u>722-2679</u>

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Hallelujah Mining (40-81)

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Date: October 24, 2013

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FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Williams Excavating LLC</u> Rep: <u>Joe Williams</u> Email Address: <u>jwilliams@williamsx.com</u>	<u>8801 CR22A</u> <u>Bloomington, OH 43910</u>	PHONE <u>304-614-8887</u> TOLL FREE FAX
Company: <u>FAGE EXCAVATION INC.</u> Rep: <u>GEORGE FRESHOUR</u> Email Address: _____	<u>P.O. BOX 218</u> <u>KENNA, WV</u> <u>25248</u>	PHONE <u>(304) 372-4378</u> TOLL FREE FAX <u>(304) 372-4378</u>
Company: <u>Sunrise Const Inc</u> Rep: <u>Rock Clark</u> Email Address: <u>Sunrise@Trueband.com</u>	<u>RT.1 Box 256</u> <u>Morgantown, WV 26405</u>	PHONE <u>304-457-2109</u> TOLL FREE FAX <u>304-457-2115</u>
Company: _____ Rep: _____ Email Address: _____	_____ _____ _____	PHONE TOLL FREE FAX
Company: _____ Rep: _____ Email Address: _____	_____ _____ _____	PHONE TOLL FREE FAX

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DEP16304

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