



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

# Request for Quotation

RFQ NUMBER:  
**VET10112**

PAGE:  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 BUYER 32  
 304-558-2544

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

DIVISION OF VETERANS AFFAIRS  
 ATTENTION: C. PRATHER  
 SUITE 101  
 1321 PLAZA EAST  
 CHARLESTON, WV  
 25301-1400 558-3661

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/30/2010				

BID OPENING DATE: **07/13/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>***** ADDENDUM NO.3 *****</p> <p>ADDENDUM ISSUED FOR THE DONEL KINNARD MEMORIAL STATE VETERANS CEMETERY CONSTRUCTION PROJECT TO DISTRIBUTE THE PRE-BID SIGN-IN SHEETS, THE BIDDING REQUIREMENTS REVISIONS, SPECIFICATION REVISIONS, REVISED DRAWINGS AS NOTED HEREIN AND DISTRIBUTED VIA SEPARATE COVER BY THE ARCHITECT, THE PRE-BID MEETING MINUTES, VENDOR SUBMITTED Q/A RECEIVED PRIOR TO THE 06/25/10 CUT-OFF, THE PACKAGE WASTEWATER TREATMENT SYSTEM SPECIFICATIONS, AND THE REVISED BID SCHEDULES AS A RESULT OF THE MANDATORY ONSITE PRE-BID MEETING ON 06/22/2010.</p> <p>TO FURTHER CLARIFY, THIS PROJECT REQUIRES SUBMISSION OF TWO (2) BIDS AND WILL RESULT IN THE AWARD OF TWO(2) CONTRACTS.</p> <p>VENDORS MAY BID ON THE CONSTRUCTION &amp; SITE WORK, THE LANDSCAPING BID, OR BOTH. PLEASE BE ADVISED THAT EACH BID WILL REQUIRE A SEPARATE BID SECURITY (BOND) FOR 5% OF THE AMOUNT OF THE INDIVIDUAL BID. VENDORS BIDDING BOTH PORIONS WILL NOT BE ALLOWED TO SUBMIT ONE BID BOND TO COVER BOTH BIDS. VENDORS WHO DO SO WILL HAVE THEIR BIDS DISQUALIFIED. CONSEQUENTLY, THE SEPARATE CONTRACTS WILL REQUIRE SEPARATE PERFORMANCE AND LABOR/MATERIAL BONDS BE SUBMITTED IF ONE VENDOR IS RECOMMENDED FOR THE AWARDS.</p> <p>BID OPENING DATE &amp; TIME REMAIN UNCHANGED AS 07/13/10 AT 1:30 PM.</p> <p>***** NO OTHER CHANGES *****</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

**GENERAL TERMS & CONDITIONS**  
**REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

**Pre-Bid Conference**  
**SIGN IN SHEET**  
(Please print legibly)

Request for Proposal No: VET10112

Date: 6.22.2010

<u>Representative &amp; Firm Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: _____ Chuck Bowman WV State Purchasing Division	PO Box 50130 2019 Washington Street, East Charleston, WV 25305	T: 304-558-2157 F: 304-558-4115 Email: cbowman@wvadmin.gov
1. <u>NATHAN B. SICK</u> <u>FRONTIER CONST. CO., INC.</u>	<u>RT 31-E</u> <u>PO BOX 84</u> <u>JONES MILLS, PA 15646</u>	T: <u>724-593-7491</u> F: <u>724-593-7499</u> Email: <u>n.sicke@frontiergulf.com</u>
2. <u>JOHN G. GLAM</u> <u>CHAPMAN-MARTIN EXCAVATION &amp; GRADING, INC.</u>	<u>P.O. BOX 9385</u> <u>5151 JAMES RIVER RD.</u> <u>HUNTINGTON, WV 25704</u>	T: <u>304-429-2434</u> F: <u>304-429-8235</u> Email: <u>bhinkle2434@aol.com</u>
3. <u>CHRIS SHAW</u> <u>PARAMOUNT BUILDERS LLC</u>	<u>501 6TH AVE</u> <u>St Albans WV 25177</u>	T: <u>304-727 2770</u> F: <u>304-727 0302</u> Email: <u>cshaw@paramountwv.com</u>
4. <u>Joni Winkler</u> <u>Rhodes Brick &amp; Block</u>	<u>10 Winfield Rd</u> <u>St. Albans, WV</u> <u>25177</u>	T: <u>304-727-7062</u> F: <u>304-<del>727-7062</del> 722-1822</u> Email: <u>Joni@rhodesblock.com</u>
5. <u>Robert Morris</u> <u>Rhodes Brick &amp; Block Co</u>	<u>10 Winfield Rd</u> <u>St ALBANS WV 25177</u>	T: <u>304 549-7062</u> F: <u>304 722-1822</u> Email: <u>Sales@rhodesblock.com</u>
6. <u>Mike Lyons</u> <u>WV DVA</u>	<u>1321 Plaza East Suite 109</u> <u>Charleston, WV 25301</u>	T: <u>(304) 558-3661</u> F: <u>(304) 380-5215</u> Email: <u>Mike.C.Lyons@wv.gov</u>
7. <u>DAVE KIRILA</u> <u>INDEPENDENCE EXCAVATING</u>	<u>5720 Schork Rd</u> <u>INDEPENDENCE OHIO</u> <u>44131</u>	T: <u>216-446-3582</u> F: <u>216 446-3582</u> Email: <u>WWW.INDEXC.COM</u>
8. <u>DAN HAZELT</u> <u>VET TRUDY</u>	<u>12661 Chillicothe Rd</u> <u>CHESTERLAND OHIO</u> <u>44026</u>	T: <u>440-688-4212</u> F: <u>440-688-4215</u> Email: _____
9. <u>TIM CUNNINGHAM</u> <u>Savage Heavy Hwy</u>	<u>196 PETERS RUN RD</u> <u>WHEELING, WV 26003</u>	T: <u>304-242-3100</u> F: <u>304-242-3104</u> Email: <u>TCUNNINGHAM@SAVHHCCOM</u>

Please PRINT legibly. All information is essential to contact attendees in a timely manner.  
If possible, please provide a company business card.

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Date: 6.22.2010

<u>Representative &amp; Firm Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: _____ Chuck Bowman WV State Purchasing Division	PO Box 50130 2019 Washington Street, East Charleston, WV 25305	T: 304-558-2157 F: 304-558-4115 Email: cbowman@wvadmin.gov
1. <u>Robert Turcic</u> <u>MASSARO Corp.</u>	<u>120 Delta Dr.</u> <u>Pittsburgh PA.</u> <u>15238</u>	T: <u>412-963-2800</u> F: <u>412-963-2880</u> Email: <u>JWells e MASSARO Corporation@com</u>
2. <u>Danhill Const. Co</u> <u>Robert D. Hill</u>	<u>P.O. Box 685</u> <u>Gauley Bridge, WV</u> <u>25085</u>	T: <u>304-632-1600</u> F: <u>304-632-1501</u> Email: <u>rdanhill@hotmail.com</u>
3. <u>Robert Connelly</u> <u>ACF Environmental</u>	<u>50 Winfield Rd</u> <u>ST Albans WV</u> <u>25177</u>	T: <u>540-438-1423</u> F: <u>540-438-0533</u> Email: <u>RConnelly@ACFEnvironmental.com</u>
4. <u>Wilson Wright</u> <u>JDE Inc.</u>	<u>200 GCP Road</u> <u>Wheeling, WV 26003</u>	T: <u>304.232.5000</u> F: <u>304.232.0619</u> Email: <u>marks@jde-inc.com</u>
5. <u>DANHILL CONSTRUCTION</u> <u>MICHAEL SIEMIACZKO JR</u>	<u>PO Box 685</u> <u>GAULEY BRIDGE WV</u> <u>25085</u>	T: <u>304-632-1600</u> F: <u>304-632-1501</u> Email: <u>Pollockin10V@hotmail.com</u>
6. <u>HOWARD WINTERS</u> <u>FOR DAVID LAWMAN</u> <u>KANAWHA STONE COMPANY</u>	<u>401 JACOBSON DRIVE</u> <u>POCA, WV</u> <u>25159</u>	T: <u>304-755-8271 X 303</u> F: <u>304-755-8274</u> Email: <u>howard</u> <u>DAVID.LAWMAN@kanawhastone.com</u>
7. _____	_____	T: _____ F: _____ Email: _____
8. _____	_____	T: _____ F: _____ Email: _____
9. _____	_____	T: _____ F: _____ Email: _____

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Request for Proposal No: VET 10112Date: 6/22/2010

<u>Representative &amp; Firm Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: <u>Chuck Bowman</u> <u>WV State Purchasing Division</u>	<u>PO Box 50130</u> <u>2019 Washington Street, East</u> <u>Charleston, WV 25305</u>	T: <u>304-558-2157</u> F: <u>304-558-4115</u> Email: <u>cbowman@wvadmin.gov</u>
1. <u>Lisa Stalaker</u> <u>Jarrett Construction</u>	<u>PO Box 5050</u> <u>1405 Virginia St. E</u> <u>Charleston WV 25361</u>	T: <u>344-9140</u> F: <u>344-9143</u> Email: <u>lisa.stalaker@jarrett-construction.com</u>
2. <u>JIM CARNEY</u> <u>OVAL CONSTRUCTION</u>	<u>PO Box 401</u> <u>CHARLESTON, WV 25322</u>	T: <u>347-8820</u> F: <u>347-8821</u> Email: <u>jcarney@ovalconstruction.com</u>
3. <u>TODD COREY</u> <u>BBL CARLTON, LLC</u>	<u>900 LEE STREET</u> <u>SUITE 1400</u> <u>CHARLESTON, WV 25301</u>	T: <u>tc Corey@bblcarlton.com</u> F: <u>304-345-1304</u> Email: <u>304-345-1300</u>
4. <u>CHAD EARL</u> <u>CONTECH Construction</u> <u>Products, INC.</u>	<u>1117 OAKMONT Rd.</u> <u>CHARLESTON, WV</u> <u>25314</u>	T: <u>304-993-1097</u> F: _____ Email: <u>earlc@CONTECH-CPI.com</u>
5. <u>Kerry Cole</u> <u>Foster Supply</u>	<u>4047 Tears Valley Rd</u> <u>Scott Depot, WV</u> <u>25560</u>	T: <u>304-755-8241</u> F: _____ Email: <u>Kerrycole@fostersupply.com</u>
6. <u>Billy Malashevich</u> <u>Peerless Block + Brick</u>	<u>400 Oliver St</u> <u>St Albans, WV</u> <u>25177</u>	T: <u>304-241-1128</u> F: <u>304-727-4306</u> Email: <u>Billy.Malashevich@peerlessblk.bc</u>
7. <u>DAN ZACCALINI</u> <u>AQUILA STONE</u>	<u>271 DON KNOTTS BLD</u> <u>MORLANTOWN, WV</u> <u>26505</u>	T: <u>304-288-5443</u> F: <u>304-292-7961</u> Email: <u>DANZ@AQUILASTONE.COM</u>
8. <u>Michael Hubbard</u> <u>Branch &amp; Assoc</u>	<u>5732 Airport Rd</u> <u>Roanoke, VA</u> <u>24012</u>	T: <u>540-989-5215</u> F: <u>540-989-0883</u> Email: <u>tonyb@branch-associates.com</u> <u>michaelh@branch-associates.com</u>
9. _____	_____	T: _____ F: _____ Email: _____

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**Pre-Bid Conference  
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Request for Proposal No: VET10112

Date: 6.22.2010

<u>Representative &amp; Firm Name</u>	<u>Mailing Address</u>	<u>Telephone &amp; Fax Number</u> <u>Email Address</u>
EX: _____ Chuck Bowman WV State Purchasing Division	PO Box 50130 2019 Washington Street, East Charleston, WV 25305	T: 304-558-2157 F: 304-558-4115 Email: cbowman@wvadmin.gov
1. <del>Jill Blackwood</del> <del>BLACKWOOD ARCHITECTS, P.C.</del>	<del>201 EAST PARADISE</del> <del>20554</del>	T: <del>304-366-1580</del> F: <del>304-366-1537</del> Email: <del>JL@WVARCHITECTS.CO</del>
2. <u>KENTON BLACKWOOD</u> <u>(BAI)</u>	<u>(SAME ↑)</u>	T: _____ F: _____ Email: <u>kenton@wvarchitects.com</u>
3. <u>JEFF WISE</u> <u>MSES /</u> <u>BAI</u>	<u>(SAME ↑)</u>	T: <u>304 366-1580</u> F: _____ Email: <u>wise@msesinc.com</u>
4. <u>Darrell Meehl</u> <u>The LA Group</u>	<u>40 Long Alley</u> <u>Saratoga Springs,</u> <u>NY 12866</u>	T: <u>518-587-8100</u> F: <u>518-587-8180</u> Email: <u>dmeehl@thelagroup.com</u>
5. _____	_____	T: _____ F: _____ Email: _____
6. _____	_____	T: _____ F: _____ Email: _____
7. _____	_____	T: _____ F: _____ Email: _____
8. _____	_____	T: _____ F: _____ Email: _____
9. _____	_____	T: _____ F: _____ Email: _____

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If possible, please provide a company business card.

**ADDENDUM NO. 3 - June 29, 2010**

**PROJECT: Donel Kinnard Memorial State Veterans Cemetery  
Charleston, West Virginia  
FAI# WV-08-01**

**TO: Prospective Bidders**

**FROM: Blackwood Associates, Inc., Architect, Fairmont, WV**

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated May 20, 2010 and any subsequent addenda. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum includes the Addendum Items (3 pages), Pre-Bid Meeting Notes (3 pages), Contractor's Questions and Answers (3 pages), Specification Section 333100 (12 pages) and five (5) full-size Drawings (issued under separate cover).

A Mandatory Pre-Bid Meeting was held at the West Virginia State Police Academy, 135 Academy Drive, Dunbar, WV 25064 on June 22, 2010 at 10:00 a.m. The Meeting Notes and Attendance List are attached to this Addendum.

**CHANGES TO PRIOR ADDENDA:** Not applicable to this Addendum.

**CHANGES TO BIDDING REQUIREMENTS:** Not applicable to this Addendum.

**Invitation to Bid**

**Page 1,**

1. Under **GENERAL CONSTRUCTION AND SITE WORK:**  
**REVISE** first sentence to read as follows:  
"The Contractor hereby agrees to commence work on the Project on or after a date to be specified in a written "Notice to Proceed" of the Owner."
2. Under **LANDSCAPING:**  
**REVISE** the first sentence to read as follows:  
"The Contractor hereby agrees to commence work on the Project on or after a date to be specified in a written "Notice to Proceed" of the Owner."
3. **State of West Virginia Supplementary Instructions to Bidders for AIA Document A701-1997:  
Page 1, Article 3, Paragraph 4.4.1.1**
4. **REVISE** to read as follows:  
"Bids may not be modified or withdrawn for a period of 90 days."
5. **Amendments to AIA Document A701 "Instruction to Bidders"**  
**Page 1,**  
**REVISE** as follows:  
"Page 5, Article 4, Paragraph 4.3.2: **REVISE** second sentence to read as follows: "Bids received after the time and date for receipt of Bids will be opened, stamped and maintained on file by Owner."

**List of Proposed Subcontractors and Equipment/Materials Suppliers**

**Before the first sentence:**

6. **ADD** the following:  
"Within two (2) hours after the schedule Bid Opening the apparent low bidder - as indicated by the Architect via the Project Website ([www.wvarchitects.com/cemetery](http://www.wvarchitects.com/cemetery)) - shall submit this completed form to the Owner and Architect via facsimile or electronic mail for review and consideration."
7. **OMIT** in its entirety the last sentence which reads: "Any change of proposed..... for execution of the work."
8. **WV-96 – Agreement Addendum**  
**OMIT** in its entirety.

**CHANGES TO CONDITIONS OF THE CONTRACT:** Not applicable to this Addendum.

**CHANGES TO SPECIFICATIONS:**

9. **Specification Section 013300 "SUBMITTAL PROCEDURES"**  
**Page 2, Paragraph 1.4.A**  
**REVISE** to read as follows:  
"Architect's Digital Data Files: Electronic copies of digital data files of the Contract Documents will be provided by Architect for Contractor's use in preparing submittals."
10. **Specification Section 015000 "TEMPORARY FACILITIES"**  
**Page 8, Paragraph 3.4.G.1**  
**OMIT:** "and as indicated on Drawings."
11. **Specification Section 042000 "UNIT MASONRY"**  
**Page 3, Paragraph 2.2.C.1**  
**ADD** subparagraph 'e' to read as follows: "e. Axim Italcementi Group; Intrapel XS."
12. **Page 4, Paragraph 2.4.C.1**  
**ADD** subparagraph 'a' to read as follows: "a. Statesville Brick - Red Royal."
13. **Page 6, Paragraph 2.5.G.1.b.3**  
**REVISE** to read as follows: "Essroc; Italcementi Group; Intrapel Flamingo Brixment."
14. **Specification Section 044300 "MANUFACTURED STONE MASONRY VENEER"**  
**Page 5, Paragraph 2.1.A.**  
**ADD** subparagraph 4 to read as follows: "4. Glen-Gery Landmark Stone."
15. **Specification Section 271100 "COMMUNICATIONS EQUIPMENT ROOM FITTINGS"**  
**OMIT** in its entirety.
16. **Specification Section 271300 "COMMUNICATIONS BACKBONE CABLING"**  
**OMIT** in its entirety.
17. **Specification Section 280513 "CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY"**  
**OMIT** in its entirety.



**Specification Section 323223 "SEGMENTAL RETAINING WALLS"**18. **Page 1, Paragraph 1.4.A.2**

**REVISE** last sentence to read as follows: "The Manufacturer's Design Engineer shall submit the signed and sealed design calculations for the installation for review and approval during the submittal process."

19. **Page 2, Paragraph 2.1.A**

**REVISE** the last sentence to read as follows: "The manufacturer of the retaining wall system shall provide engineering designs and calculations for the wall system, prepared and sealed by a licensed Professional Engineer, suitable for the project site conditions and meeting all State, Local and Federal Building code requirements."

20. **Specification Section 329000 "PLANTING"****Page 1, Paragraph 1.3**

**OMIT** the words "(BY OTHERS)" from the title.

21. **Specification Section 333100 "PACKAGE WASTEWATER TREATMENT SYSTEM"**

**ADD** Section as attached to this Addendum.

**CHANGES TO DRAWINGS:**22. **Drawings E&S 100, E&S 101, E&S 102, E&S 103 and E&S 104**

**OMIT** Drawings in their entirety and **REPLACE** with **Drawings E&S 100~A3.1, E&S 101~A3.2, E&S 102~A3.3, E&S 103~A3.4 and E&S 104~A3.5** as attached to this Addendum (to be sent under separate cover).

**Drawing C104 "STORM DRAINAGE- AREA 3"****Drainage Structures Table C104****Structure # DI-74**

23. **REVISE** Bott. Elev. To 619.00  
 24. **REVISE** Elev. In from DI-75 to 620.00  
 25. **REVISE** Inv. Elev. Out to 620.00  
 26. **REVISE** Slope to 0.033

**Structure #DI-75**

27. **REVISE** Rim Elev. To **622.75**  
 28. **REVISE** Bott. Elev. To 619.25  
 29. **REVISE** Inv. Elev. Out to 620.25  
 30. **REVISE** Slope to 0.042

**Drawings L100, L101, L102, L103, L104, and L105**

31. **REVISE** all references made to **ADD ALT. No. 2** to "**ADD ALT. No. L1**".  
 32. **REVISE** all references made to **ADD ALT. No. 3** to "**ADD ALT. No. L2**".

**Drawings L100, L102 and L104**

33. **REVISE** all references made to **ADD ALT. No. 3** to "**ADD ALT. No. L2**".  
 34. **REVISE** all references made to **ADD ALT. No. 2** to "**ADD ALT. No. L1**".

END OF ADDENDUM NO. 3

**Donel Kinnard Memorial State Veterans Cemetery  
Charleston, West Virginia  
Pre-Bid Meeting – June 22; 10:00 a.m.**

1. This meeting is mandatory for Bidders. Failure to attend this Mandatory Pre-Bid Meeting shall result in disqualification of the Bid. No one person may represent more than one Bidder. An attendance sheet is available for all potential Bidders to complete. This will serve as the official document verifying attendance. Failure to provide company and representative name on the attendance sheet will result in disqualification of the Bid. Please include e-mail address and fax number.
2. Owner and A/E Representatives  
 Chuck Bowman, WV Purchasing Div.  
 Keith Gwinn, WV Division of Veterans Affairs  
 Jim Blackwood, Blackwood Associates, Inc.  
 Kenton Blackwood, Blackwood Associates, Inc.  
 Jeff Wise, MSES consultants, inc.  
 Darrell Meehl, LA Group, PC.
3. Bidding Documents are available from the Architect. Bidding documents may be downloaded free of charge at <http://www.wvarchitects.com/cemetery/>. Hard copies are also available for a total of **\$250.00 (non-refundable)**. All requests for hard copies of Bidding Documents must be received no later than seven days prior to Bid Date.
4. Bids will be received by the State of West Virginia in accordance with the Request for Quotation issued by the Purchasing Division. **Bid Opening: July 13, 2010; 1:30 PM.**
5. Request for Quotation may be obtained by contacting: WV Department of Administration, Purchasing Division, 2019 Washington Street, Charleston, WV 25305; Phone: 304-558-2063.
6. Bids shall be submitted on the **Bid Form** included in the Bidding Documents. **Each Bidder should obtain a Request for Bids/Quotations from the Purchasing Division and must follow all instructions contained therein. The Request for Bids/Quotations should be stapled to the front of the Bid Form. Each Bid shall be enclosed in a sealed, self addressed, opaque envelope plainly marked with the information shown.**
7. All bidders and bidder's subcontractors must be licensed in compliance with the **West Virginia Contractors Licensing Act**. Bidders shall also be required to comply with **Labor standards established by West Virginia Department of Labor and the Americans with Disabilities Act**.
8. West Virginia Code §21-11-11 requires Bidders to include the Bidder's contractor's license number on its Bid. The successful Bidder shall furnish a copy of its contractor's license prior to issuance of a Purchase Order/Contract.
9. Bid Bond in the amount of five percent (5%) of the total amount of the Bid payable to the State of West Virginia must be submitted with each Bid.

10. Bidders must submit a valid Drug Free Workplace Conformance Affidavit with each bid. Vendors must also submit a Purchasing Affidavit for each bid prior to the award. These documents are included in the Request for Quotation issued by the Purchasing Division.
11. Bidders must acknowledge receipt of Addenda on the Bid Form or Bid may be rejected.
12. Bids may not be modified or withdrawn for a period of **ninety (90) days** after receipt of Bids without forfeiture of Bid security, not as a penalty but as liquidated damages.
13. The successful bidder shall furnish a Performance Bond and a Labor and Material Payment Bond for 100% of the contract award, as well as a Maintenance Bond covering the roof system for two years in an amount equal to the cost of the roof system. The successful Bidder shall deliver the required bonds and all other Contract Documents, including Certificates of Insurance, within fifteen (15) days after receipt of the Owner's letter of intent to award a Contract or forfeit the security deposited with his Bid as liquidated damages, not as a penalty. **These bonds shall be written on the State of West Virginia forms bound in the Project Manual and according to the instructions provided with these forms.**
14. Project will be constructed under coordinated, non-concurrent multiple contracts including a General Construction and Site Work Contract and a Landscaping Contract. Bidders may bid either and/or both Contracts. The bid prices will be considered separately.
15. Notice to Proceed: Unless otherwise specified, the fully executed Purchase Order will be considered notice to proceed. The General Construction and Site Work Contract is to be performed within 390 calendar days after the Notice to Proceed is received. The Landscaping Contract is to be performed within 90 calendar days after the Notice to Proceed is received
16. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 fee.
17. Liquidated Damages: The successful Bidder shall also agree, for each calendar day of delay in completion of the Project beyond the stated length construction period to be liable for and pay to the Owner **liquidated damages in the amount of \$750.00** per day, subject to allowances for delays beyond the control of the Contractor, all reasons for delays properly documented and verified.
18. Wage Rates: The successful Bidder and all Subcontractors shall pay the higher of the U.S. Department of Labor minimum wage rates or the West Virginia Department of Labor wage rates as established for Kanawha County. Contractor(s) shall be responsible for obtaining the most current information. Certified payrolls shall be submitted to the Owner with each Application for Payment.
19. Successful Bidder is required to provide a certificate from Workers' Compensation.
20. Successful Bidder shall furnish proof of commercial general liability insurance prior to issuance of contract.

21. The following items in **Specification Section 011000, "Summary"**:

- 1) Scope of Work
- 2) Concurrent Work
- 3) Use of Premises
- 4) Owner's Occupancy Requirements
- 5) Work Restrictions

22. **Addenda** will be issued by the Purchasing Department.

Donel Kinnard Memorial State Veterans Cemetery  
Pre-Bid Meeting  
Contractors Questions and Answers

1. Q: Is specification Section 328400, Planting Irrigation included with the Landscaping Bid?  
A: Irrigation is part of the General Construction and Site Work contract.
2. Q: Start Date – What is the anticipated start dates for the General Construction and Site Work and Landscaping contracts?  
A: Specific start dates for each Contract have not been established, but it is anticipated, subject to approval by State agencies and federal funding source, the General Construction and Sitework Contract will commence within approximately ninety days after the Bid opening. The Landscape Contract will commence upon substantial completion of the General Construction and Sitework Contract.
3. Q: Wages – We currently have to bid the wages for 2010 because the rates for 2011 will not be available till January of 2011. Will compensation be provided for the increase in wages for 2011? The wages typically increase 5% each year.  
A: Bid according to applicable prevailing wage rates. There is no allowance or provision for wage increases.
4. Q: Materials – Is there any provisions in the agreement for any material escalations cost increase during the life of the project?  
A: No.
5. Q: Fuel – Can fuel index be provided for the project to protect the contractor from fuel fluctuations?  
A: No.
6. Q: Bid Delivery – Are bids permitted to be submitted by fax per the Amendments to AIA Document A701"Instructions to Bidders", Page 1 of 1 (Page 5, Article 4, Paragraph 4.3.4)?  
A: Yes.
7. Q: Township Fees – What township fees will be required?  
A: There is no township. Bidders are responsible for determining applicable county inspection fees and other similar costs.
8. Q: MBE/WBE – Are there percentage goal requirement for Minority or Women Business Enterprises?  
A: No.
9. Q: Tax Status – Can you confirm that the project will be exempt from Federal, State and local taxes per item 4 on WV-96, Rev. 10/07 Agreement Addendum?  
A: Project is not exempt from taxes. Addendum No. 3 omits WV-96 – Agreement Addendum.
10. Q: Bid Forms – If only bidding one of the contracts do we simply insert "NO BID" for the contract we are not bidding?  
A: Insert "NO BID" or leave blank.

11. Q: Are we still to insert the price on page 1 of the RFQ if only bidding one contract?  
A: No. Indicate Bid price(s) on Bid Form.
12. Q: Subcontractors – Are we required to submit the "List of Proposed Subcontractors and Equipment / Materials Suppliers" form, Pages 1 to 4 with our bid?  
A: Addendum #3 adds the requirement that the apparent low bidder shall submit "List of Proposed Subcontractors and Equipment / Materials Suppliers" to the Architect and Owner within 2 hours after the scheduled opening of bids for review and consideration. The Architects website ([www.wvarchitects.com/cemetery](http://www.wvarchitects.com/cemetery)) will provide the name of the apparent low bidder within approximately 30 minutes after completion of the opening of bids. Refer to AIA Document A701 "Instructions to Bidders" Article 6.3.3 for further information.
13. Q: Landscaping Bid – Can you confirm that only the following work is to be included under the Landscaping Bid and the remainder of the work is to complete the project will fall under the General Construction and Site Work Bid?  
A. Maintenance of previously installed erosion and sediment controls  
B. Topsoil testing  
C. Soil amendments and conditioning (organic soil amendment)  
D. Supplemental Topsoil  
E. Landscaping (L100 to L106)  
F. Turfs and grasses (except steep slope grassing) (L100 to L106)  
G. Removal of all erosion and sediment controls.  
A: All work, requirements and warranties, as noted in Specification Section 329000, with the exception of the work related to the steep slope area seeding, establishment and maintenance, is the responsibility of the Landscape Contractor. "Steep Slope Areas" are designated on the Landscaping series of Plans. Refer to Section 011200 for additional information as to what is required of each Contract. Also, referring to Section 329000, paragraph 1.3, the words "(BY OTHERS)" will be removed in this addendum. The Landscape Contractor will be required to follow the testing procedures established in Section 014529, TESTING LABORATORY SERVICES, as well as maintaining the erosion and sedimentation control devices installed by the General Construction Contractor as described in Section 015719, TEMPORARY ENVIRONMENTAL CONTROLS. The Landscape Contractor will also be required to remove the erosion and sedimentation control devices when site conditions are stabilized as specific in Section 015719, TEMPORARY ENVIRONMENTAL CONTROLS.
14. Q: Site Enclosure Fence – Is there a plan that denotes the location of the Site Enclosure Fence locations?  
A: Location and extent of temporary construction fence is not indicated on the Drawings and is left to the Bidder's discretion as per Section 015000 "TEMPORARY FACILITIES AND CONTROLS." Addendum No. 3 removes the reference to fencing being indicated on Drawings.
15. Q: Burning – Can you confirm that burning of cleared timber will be permitted per 017419-7, 3.6, C?  
A: Burning will be permitted as noted in Section referenced, i.e., "only in designated areas on Owner's property, provided required permits are obtained", from the local authority having jurisdiction. In addition, "Provide full time monitoring for burning materials until fires are extinguished." **NOTE:** West Virginia has regular designated "no-burn" seasons, and additional no-burn periods dependent on rainfall.

16. Q: Rock Removal – If rock would be encountered will the contractor be compensated by change order?  
A: “*The Report of Geotechnical Exploration & Engineering Analysis, Donel Kinnard Memorial Veterans Cemetery*”, dated February, 2010, and Addendum #1 to the Report, dated April 29, 2010, as provided in Project Manual just preceding Section 312000 – EARTHMOVING, contains Logs of Test Borings, Test Boring Locations, and analysis of the site. In addition the test boring locations are shown on Drawings G100 through G106, Grading Plan.

The contractor's base bid shall include the excavation for the roadway, building structures, drainage structures, channel changes, and all other excavation required for the completed project, including the removal and hauling of all material, of whatever character encountered, not being removed under some other item. This will be done in reasonably close conformity with the lines, grades, thicknesses and cross sections shown on the Plans.

The contractor will not be compensated by change order for this item.

17. Q: Irrigation – Is there a state license to install irrigation in the state of WV beyond the general contractor licenses?  
A: The General Construction Contractor will need to make his own determination as to whether a separate license (in addition to the General Contractor's license) is required to install irrigation systems in the state of WV.
18. Q: Wetlands – can you confirm that there are no on-site wetlands?  
A: There are no on-site wetlands.

SPECIFICATIONS  
FOR  
PACKAGE WASTEWATER TREATMENT SYSTEM  
VA STATE CEMETERY  
INSTITUTE, WEST VIRGINIA

The new West Virginia State Veterans' Cemetery, to be constructed near Institute, West Virginia, will have minimum sanitary wastewater generation. Since there is no local sanitary sewer service, it will be necessary to install a small septic/filter system for treatment of sanitary wastewater.

An ASHCO RFS III system or equivalent will be installed for sanitary wastewater treatment. The following pages contain the specifications for an RFS III system of 600 GPD.

The Contractor will be responsible for purchase, installation and startup of the system. In addition, the Contractor will provide equipment specific preventive maintenance procedures/schedule, inspection procedures/schedule and a list of replacement parts to be maintained by the State VA. This information shall be submitted in O&M Manuals (3 copies) to be given to the Owner upon closure of the project. Provide with O&M Manuals operational procedures under various conditions, describing alarm situations and a manufacturer's contact to call. The treatment plant manufacturer or Contractor must jointly enter into a five-year maintenance contract with the Owner as required by the State of West Virginia DEP.



**WEST VIRGINIA STANDARD  
RFS<sup>III</sup> Pat. No. 6,287,469  
SPECIFICATIONS**

**PRIMARY PROCESS DESCRIPTION**

Wastewater flows by gravity from the home to the septic tank. Inside the septic tank, which is situated as close to the waste producing source as possible, the settleable solids fall to the bottom of the tank where they decompose anaerobically to form a sludge layer. The lighter less dense material mainly composed of fats, oils, and greases floats to the top of the water and creates a scum layer. Effluent from the relatively clear zone of the septic tank, between the scum and the sludge layers, enters the effluent filter through inlet holes. Effluent then enters the annular space between the housing and the filter tubes. Particles larger than 1/8" are detained in the annular space, where decomposition of the organic material occurs.

**RFS<sup>III</sup> TREATMENT.**

The filtered septic tank effluent then flows by gravity to the recirculation tank bottom zone. The recirculation pump in the bottom zone pumps the effluent via a spray grid onto a sand filter. The effluent trickles down the filtrate media where it is treated by naturally occurring micro-organisms populating the sand filter. After passing through the biological filter media, the treated effluent is stored in the bottom zone where it is mixed with incoming septic tank effluent. The mixing of septic tank effluent with biologically filtered effluent creates a dilute waste to be recirculated through the sand filter. The treated effluent is discharged either by gravity or a small discharge pump to disinfection and/or discharge.

**DESIGN SPECIFICATIONS AND PLANT LOADING RATES**

Sand Filter Surface Area.....120-140 Ft.<sup>2</sup> Range

Loading Rate (4 Bdrm. Home).....	600 GPD/120 Ft. <sup>2</sup>
(4 Bdrm. X 150 GPD)	= 5.0 GPD/Ft <sup>2</sup>
	600 GPD/140 Ft. <sup>2</sup>
	= 4.3 GPD/Ft <sup>2</sup>

NOTE: 5.0 GPD/Ft<sup>2</sup> of filter area is the maximum hydraulic loading rate for the RFS<sup>III</sup> Recirculating Sand Filter.

**SEPTIC TANK SPECIFICATIONS**

Max. Liquid Capacity @	1,000 Gallons
Min. Wall Thickness @	2 ½"
Max. Wall Thickness @	3"
Min. Top & Bottom Thickness @	4"
Max. Top & Bottom Thickness @	4 ½"
Access.....	Minimum 21" access riser opening with lid above inlet and outlet.
Effluent Filter.....	OSI Model FT 0444-36 or approved equal. (See Spec. Sheet)

**RFS III TECHNICAL SPECIFICATIONS**

Pre-Cast Concrete Tank:

Surface area provided shall be equal to 60-70 Ft<sup>2</sup> per tank.

Width of tank shall be no less than 5 feet and no greater than 6 feet.

Minimum wall thickness shall be no less than 2 ½" and no greater than 3".

Minimum top and bottom thickness shall be no less than 4" and no greater than 4 ½".

Inside tank height shall be no less than 4'6" and no greater than 5'6".

Tank type shall be top seal, but if not available, mid seal tank designs will be considered.

All tank pipe connectors shall be constructed of poly-isoprene or rubber to ensure a flexible watertight seal.

### FILTER MEDIA SPECIFICATIONS

Sand filter media shall conform to wastewater treatment media requirements to be hard, durable, and free of organic matter. Filter media shall be Black Beauty® (product grade #1040 or manufacturer approved equal with the following physical properties:

Effective Size.....	1.00 mm to 1.70 mm
Uniformity Coefficient.....	Less than 1.90
Particle Shape.....	Angular Shape
Hardness.....	6-7 on MOH Scale
Bulk Density.....	75-100 lbs./ Ft <sup>3</sup>
Specific Gravity.....	2.73
Moisture Content.....	Less than 0.5%
Free Silca.....	Less than 1.0%

### CHEMICAL ANALYSIS

Silicon Dioxide.....	48.78%
Aluminum Oxide.....	20.97%
Titanium Dioxide.....	0.94%
Ferric Oxide.....	19.08%
Calcium Oxide.....	6.02%
Magnesium Oxide.....	0.95%
Potassium Oxide.....	1.67%
Sodium Oxide.....	0.62%

NOTE: All RFS<sup>III</sup> sand filters shall have 24" of approved sand filtrate media. Bottom zone stone specifications 16" of 1 ½" size stone, 8" of 3/8" to ½" size stone.

### DISINFECTION SPECIFICATIONS

Ultraviolet disinfection shall be utilized. Manufacturers vary according to application.

**HYDRAULIC CALCULATIONS FOR RFS<sup>III</sup>**  
**DISTRIBUTION SYSTEM**

*\*Hydraulic Calculations are based on 1 RFS<sup>III</sup> system. This plant will consist of 2 RFS<sup>III</sup> systems.*

Design Flow @.....	600GPD
Spray Grid Orifice Size.....	.25" Diameter
Number of Laterals per Spray Grid.....	2
Spacing of Orifices @.....	.52" On Center
Length of Laterals.....	10'
Total # of orifices per spray grid.....	4
Total # of orifices.....	8
Design Flow per orifice @.....	4.1 GPM
Total Design Flow per pump.....	33 GPM
Friction Loss through Recirculating Plumbing.....	.51'(manifold)+ 1.41'(valve assembly)+ 1.52'(spray grid)
Friction loss through pump discharge.....	1.71'
Static Head.....	5.0'
Design Pressure Head per orifice.....	11.54'
Total Design for pump (min.).....	33.0 GPM @21.66 TDH
Proposed Pump.....	Zoeller 4161
Pump Characteristics (actual design).....	53.89 GPM @35.43'
Number of Pumps Proposed.....	1
Design recirculation ratio @.....	12:1
Number of cycles per day.....	72 (20min. cycles)

Compute on Time..... **600 GPD (12:1 Recirc. Ratio)**  
**53.89 GPM (72 Cycles/ Day) = 1.86 Min. on**

Compute pump off time..... **20 Min. - 1.86 Min. on = 18.14 Min. off**

20 Min. per cycle = (1.86 Min. on + 18.14 Min. off)

Required recycled flow for 12:1 ratio.....7200 GPD

Total recycled flow @ 72 cycles x 1.86 min. on x 53.89 GPM = 7217 GPD

**HYDRAULIC CALCULATIONS FOR RECIRCULATING TANK**

Infiltrator chamber capacity = 133 gallons

50% of the capacity from the gravel storage zone = 566 gallons

Total recirculation tank capacity = 699 gallons

## 1. WARRANTY

Materials and associated components installed and supplied with the system are guaranteed from failure due to defect or workmanship for a period no less than two years after substantial completion. Replace any failed or defective component of the system at no expense to the Owner. Not included in this warranty are items normally consumed in the system's standard operation.

## 2. PERFORMANCE WARRANTY

1. RFS III re-circulating filter shall be designed to meet the following effluent criteria based on the following influent characteristic ranges

2. Influent Characteristics

a. Design Average Daily Wastewater Flow	600 gpd
b. 5-Day CBOD	50 to 200 mg/l
c. Suspended Solids Range	50 to 100 mg/l
d. pH Range	6.0 to 9.0

3. Effluent Criteria:

a. 5-Day CBOD	Avg Monthly	5 mg/l
b. Suspended Solids	Avg monthly	30 mg/l
c. NH <sub>3</sub> N		3 mg/l
d. D.O.		6 mg/l


**GOULDS PUMPS**  
**Submittal Data**
**3885 Cast Iron Impeller**  
**Effluent Pumps**  
**MODEL : WE0712H**

Hydraulic Data				Motor Data		WE Series 3885	Qty.
Maximum Flow	Flow at Duty Point	Maximum TDH	TDH at Duty Point	NPSH <sub>r</sub>	Voltage / Phase / Enclosure	Model	
94 US g.p.m.	54 US g.p.m.	66 ft	37 ft		230V 1-Phase	WE0712H	1

Submittal Prepared for: \_\_\_\_\_ Job: **ASHCO RFS III**

Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_

Submittal Prepared by: **PRA** Company: \_\_\_\_\_

Submittal Date: **2010-06-21** Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

**Engineering Data**

Pump Code: WE0712H  
 Pump Size: 2" NPT Discharge  
 Pump Max Horsepower: 0 hp  
 Pump Horsepower at Rating Point: 0.00 hp  
 Pump Shut Off Head: 66 ft  
 Motor Speed: 3500 rpm  
 Max. Temperature: 104 °F  
 Liquid: Water, pure  
 Motor Code: WE0712  
 System Input Power: 1~ 230 V  
 Motor Rated Horsepower: 0.75 hp  
 Max. Frequency: 60  
 Discharge Flange Standard:  
 Discharge Flange Rating:  
 Discharge:  
 Approximate Net Weight: 70 lb  
 Impeller Size: 1 1/16"  
 Impeller Construction: Semi-open  
 Impeller Type: Radial impeller  
 Impeller Material:  
 Cast Iron  
 Sense of Rotation: Clockwise from the drive end

**Standard Equipment / Capability:**
**APPLICATIONS**

Specifically designed for the following uses:

- Homes • Farms • Trailer courts • Motels • Schools • Hospitals • Industry • Effluent systems

**SPECIFICATIONS**
**Pump**

- Solids handling capabilities: 3/4" maximum. • Discharge size: 2" NPT.
- Capacities: up to 140 GPM. • Total heads: up to 128 feet TDH.
- Temperature:

104°F (40°C) continuous

140°F (60°C) intermittent.

**FEATURES**

Impeller: Cast iron, semiopen, non-clog with pumpout vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge.

Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE sealing faces.

Stainless steel metal parts, BUNA-N elastomers.

Shaft: Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

Fasteners: 300 series stainless steel.

Capable of running dry without damage to components.

Designed for continuous operation when fully submerged.

**MOTORS**

Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.

Class B insulation on 1/3-1 1/2 HP models.

Class F insulation on 2 HP models.

Single phase (60 Hz):

- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- SJTOW or STOW severe duty oil and water resistant power cords.
- 1/3 - 1 HP models have NEMA three prong grounding plugs.
- 1 1/4 HP and larger units have bare lead cord ends.

Three phase (60 Hz):

- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.

Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage when fully submerged.

Bearings: Upper and lower heavy duty ball bearing construction.

Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.

O-ring: Assures positive sealing against contaminants and oil leakage.

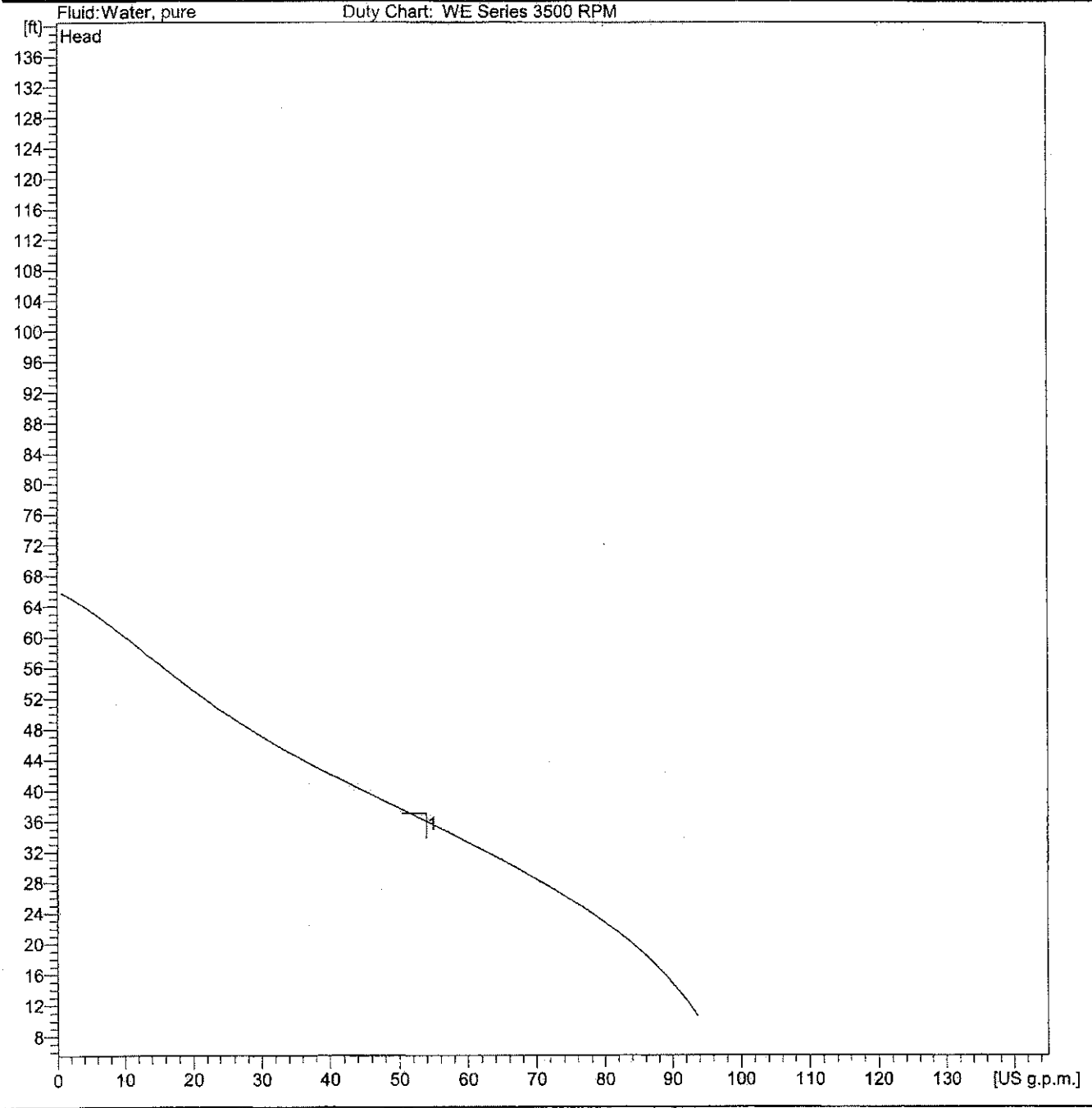


# Performance Data

**3885 Cast Iron Impeller  
Effluent Pumps  
MODEL : WE0712H**

Hydraulic Data				Motor Data		WE Series 3885	Qty.
Maximum Flow	Flow at Duty Point	Maximum TDH	TDH at Duty Point	NPSH <sub>R</sub>	Voltage / Phase / Enclosure	Model	
94 US g.p.m.	54 US g.p.m.	66 ft	37 ft		230V 1 Phase	WE0712H	1

Submittal Prepared for: \_\_\_\_\_ Job: ASHCO RFS III  
 Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Submittal Prepared by: PRA Company: \_\_\_\_\_  
 Submittal Date: 2010-06-21 Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



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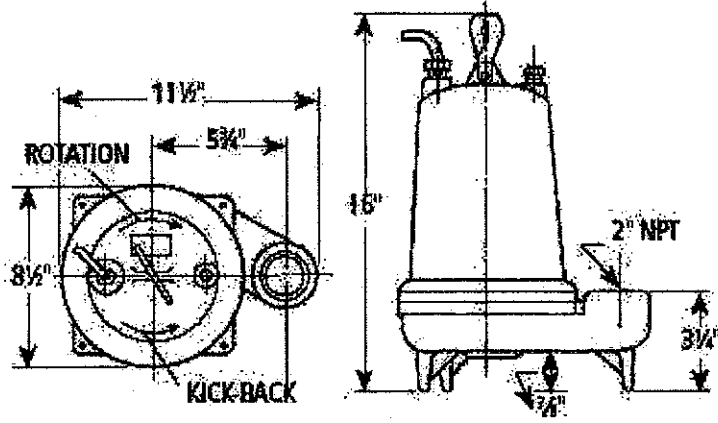
**GOULDS PUMPS**  
**Unit Dimensions**

**3885 Cast Iron Impeller**  
**Effluent Pumps**  
**MODEL : WE0712H**

Hydraulic Data				Motor Data		WE Series 3885	Qty.
Maximum Flow	Flow at Duty Point	Maximum TDH	TDH at Duty Point	NPSH <sub>r</sub>	Voltage / Phase / Enclosure	Model	
94 US g.p.m.	54 US g.p.m.	66 ft	37 ft		230V 1 Phase	WE0712H	1

Submittal Prepared for: \_\_\_\_\_ Job: ASHCO RFS III  
 Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Submittal Prepared by: PRA \_\_\_\_\_ Company: \_\_\_\_\_  
 Submittal Date: 2010-06-21 \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

**(All dimensions are in inches. Do not use for construction purposes.)**



Dimension	Value	Dimension	Value
Discharge Size	2		
Max Solids	3/4		

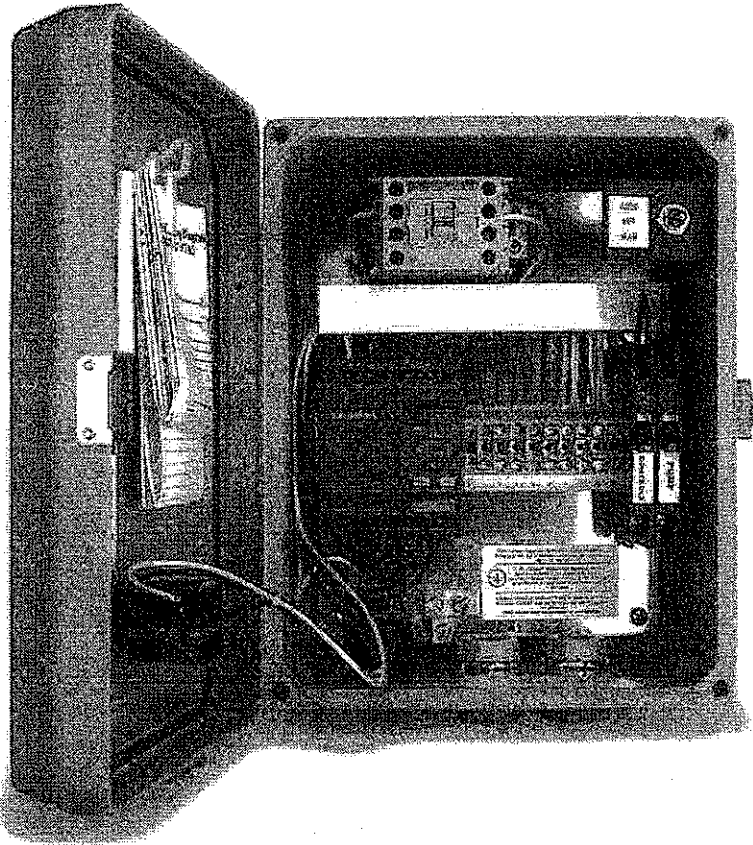
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# MVP-Simplex Control Panel

## Applications

The MVP-Simplex control panel is ideal for timed and on-demand dosing in single-pump systems. All MVPs include an easy-to-use, programmable logic unit that incorporates many timing and logic functions, such as multiple timing intervals to adjust for changing flow conditions and a built-in elapsed time meter and counter. Any water or wastewater system that requires a timer would benefit from the MVP's accuracy and versatility.



*Easy to set, accurate, and surprisingly affordable, the MVP brings intelligent control technology to the water and wastewater handling industries.*

## To Order

Call your nearest Orenco Systems<sup>®</sup>, Inc. distributor. For nearest distributor, call Orenco at 800-348-9843, or go to [www.orenco.com](http://www.orenco.com) and click on "Distributor Locator."

APS-CP-MVP-1  
Rev. 3.7 © 11/05  
Orenco Systems<sup>®</sup>, Inc.



Orenco Systems<sup>®</sup>  
Incorporated

*Changing the Way the  
World Does Wastewater<sup>®</sup>*

800-348-9843  
[www.orenco.com](http://www.orenco.com)

PACKAGE WASTEWATER TREATMENT SYSTEM  
333100 - 10  
Donal Kinnard Memorial State Veterans Cemetery

## Standard Features & Benefits

- Eight inputs and four outputs
- Intervals as long as 99 hours can be set with an accuracy of  $\pm 1\%$
- Simple setting instructions are easy to remember
- Built-in programming keys allow reprogramming in the field without a portable computer
- Parameters have understandable abbreviations
- Multiple timer intervals (e.g., normal timer, override timer) can be set to accommodate varying flow conditions
- High-level alarm delay is adjustable
- When an alarm condition is reached, a minimum number of override cycles can be set to allow tank levels to drop, thus eliminating nuisance alarms
- Large, backlit LCD display is easy to read
- Ability to use one model of float for all functions simplifies installation
- UL 508 listed in the United States and Canada
- Complete instructions and diagrams come with panel and are affixed to the inside, for reference in the field
- Three-year limited warranty

## Standard Features for System Maintenance

- Visual cues (indicators of float position and different alarm/light signals for varying alarm conditions) aid system maintenance
  - Built-in counters for low-level alarms, high-level alarms, overrides (on panels with timer), and power failures. Records total hours in service. These features provide valuable information for system maintenance and troubleshooting
  - Timed delays on float inputs prevent chattering and pump burnout
  - Automatic reactivation of silenced alarm (when problem is not corrected) helps prevent system failure
- (Optional features on back.)*

## Optional Features & Benefits

- Removable EEPROM card for reprogramming the panel in the shop or in the field
- UL698A (Intrinsically Safe listing) for use in hazardous locations
- Self-regulating anticondensation heater (radiates additional wattage as temperature drops)
- Current sensor to signal pump failures; ideal for recirculating filters
- Pump run light to indicate pumping activity

## Standard Models

MVP-S1 PTR0, MVP-S2 PTR0  
 MVP-S1 RO, MVP-S2 RO

## Model Code for Ordering

MVP-S

Options (should appear in the following order):

- IR = intrinsically safe relay
- PT = programmable timer
- RO = redundant off
- CS = current sensor
- DS = disconnect switch
- RA = remote alarm (dry contact)
- TS = test switch
- HT = heater
- PRL = pump run light
- PL = power light
- SA = surge arrestor

Pump voltage:\*

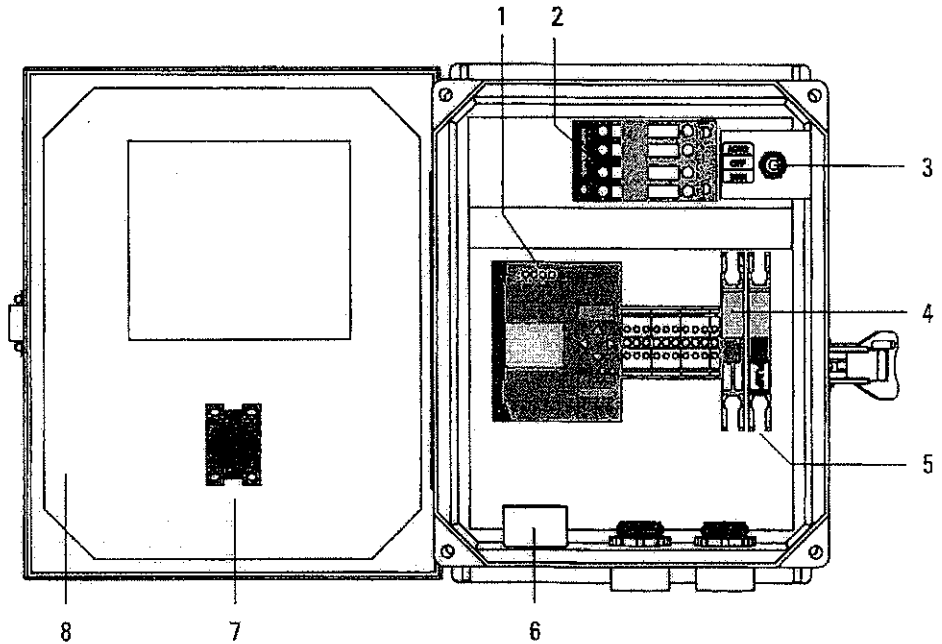
- 1 = 115 VAC
- 2 = 230 VAC

Simplex series

MVP control panel

\* All panels require 115 VAC for the controls

1. Programmable Logic Unit
2. Motor-Start Contactor
3. Toggle Switch
4. Controls Circuit Breaker
5. Pump Circuit Breaker
6. Audible Alarm
7. Visual Alarm
8. Panel Enclosure



Distributed By:



## BLACK BEAUTY® COAL SLAG ABRASIVE SPECIFICATION SHEET

### GALLIPOLIS (04)

State Rt. No. 7  
Cheshire, OH 45620  
PHONE (740) 367-7322  
FAX (740) 367-0408

<b>UTILITY</b> 1040	Coarse grade <b>BLACK BEAUTY</b> ® coal slag abrasive for tough blasting jobs, when a rough profile is needed, or for special applications; use for <b>HEAVY RUST, THICK &amp; TOUGH COATINGS, MASTICS, TANK LININGS, SHIPS &amp; BARGES, CONCRETE.</b>
<b>MEDIUM</b> 1240	Medium grade <b>BLACK BEAUTY</b> ® coal slag abrasive for general purpose repair or maintenance blasting; use for <b>REMOVAL OF PAINT &amp; RUST, STRUCTURAL STEEL, MILL SCALE, GENERAL PURPOSE, AGGREGATE EXPOSURE.</b>
<b>FINE</b> 2040	Fine grade <b>BLACK BEAUTY</b> ® coal slag abrasive for new construction, light paint and rust removal, or special maintenance applications requiring reduced profiles; use for <b>BRIDGE MAINTENANCE, LIGHT MILL SCALE, LIGHT PAINT &amp; RUST, NEW STRUCTURAL STEEL.</b>
<b>EX-FINE</b> 2040	Extra-fine grade <b>BLACK BEAUTY</b> ® coal slag abrasive to clean surfaces and create a smooth finish, <b>Brush-Off Blast, or in a high pressure water blast system.</b>

TYLER/U.S.	UTILITY	MEDIUM	FINE	EX-FINE
No. 4/4	- 0 -			
No. 6/6	0 - 2	- 0 -		
No. 8/8	0 - 15	0 - 1		
No. 10/12	45 - 75	0 - 10	- 0 -	
No. 14/16	10 - 35	20 - 45	0 - 2	- 0 -
No. 20/20	0 - 10	20 - 45	0 - 15	0 - 2
No. 28/30		0 - 25	30 - 50	0 - 5
No. 35/40		0 - 10	20 - 45	
No. 48/50			0 - 15	
No. 65/70				78 - 100
No. 100/100				0 - 10
PAN	0 - 5	0 - 5	0 - 10	0 - 5



**Addendum #3 #VET10112 (General Construction & Site Work)**

**Bid Form**

Donel Kinnard Memorial State Veterans Cemetery  
Charleston, West Virginia

Bid Proposal of \_\_\_\_\_  
(hereafter called "Bidder") organized and existing under the laws of the State of \_\_\_\_\_  
\_\_\_\_\_ and doing business as

\*  
\_\_\_\_\_ (\*Insert "A Corporation", "A Partnership", or "An Individual")

To the West Virginia Division of Veterans Affairs (hereafter called "Owner"):

The Bidder, in compliance with your Invitation to Bid and the Request for Quotation issued by Purchasing Division of the West Virginia Department of Administration soliciting bonafide bids for the Donel Kinnard Memorial State Veterans Cemetery, Charleston, West Virginia, having examined the Bidding Documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the Project including the availability of materials and labor, hereby proposes to provide all labor, materials, tools and equipment necessary to complete the construction of the Project in accordance with the Bidding Documents (of which this Bid Form is a part), within the time set forth herein, and at the prices stated below.

The Bidder acknowledges receipt of the following Addenda:

\_\_\_\_\_  
\_\_\_\_\_

**GENERAL CONSTRUCTION AND SITE WORK:**

The Contractor hereby agrees to commence work on the Project on or before a date to be specified in a written "Notice to Proceed" of the Owner. The Contractor agrees to fully complete the Project in 390 calendar days. The Contractor also agrees, for each calendar day of delay in completion of the Project beyond the stated length construction period to be liable for and pay to the Owner liquidated damages in the amount of \$750.00 per day, subject to allowances for delays beyond the control of the Contractor, all reasons for delays properly documented and verified.

**General Construction and Sitework - Base Bid Proposal:** The Bidder agrees to complete all Base Bid Proposal work on the Project, as required by the Bidding Documents for the following Sum:

\_\_\_\_\_ (\$ \_\_\_\_\_ )  
(Show amount in both words and figures)

In the event of a discrepancy between the wording of the Base Bid amount and the figure of the Base Bid amount, the wording shall govern.

**Addendum #3 #VET10112 (General Construction & Site Work)**

**General Construction and Sitework - Alternate Proposals:** The Bidder agrees to perform the individual Alternate work as required by the Bidding Documents for the following Sum(s):

Alternate No. 1: Add 834 pre-placed crypts as indicated on sheet C900. This alternate includes all labor and materials for earthwork, drainage stone, underdrains, cleanouts, precast concrete crypts, backfill, irrigation, gravesite grid monuments and burial section markers. Landscaping and seeding is base bid.

ADD(\$ \_\_\_\_\_)

(Show amount in both words and figures)

Alternate No. 2: Provide 4) Electric Heaters with T-stats, including all associated wiring and raceways to electric panel, in the Maintenance Building as indicated on Drawings M101M and E102M.

ADD(\$ \_\_\_\_\_)

(Show amount in both words and figures)

In the event of a discrepancy between the wording of the Alternate amount(s) and the figure of the Alternate amounts(s), the wording shall govern.

**General Construction and Sitework - Unit Prices:**

The Unit Prices shall determine the value of extra Work or changes in the Work, as applicable. They shall be considered complete and shall include all material and equipment, labor, installation costs, overhead, and profit. Unit prices shall be used uniformly for additions or deductions.

Unit Price No. 1 – Clearing and Grubbing: Clear and grub additional land as required to spoil additional earth.

\$ \_\_\_\_\_ / Acre

Unit Price No. 2 – Stripping and Stockpiling Topsoil: Strip and stockpile additional topsoil from land as required to spoil additional earth.

\$ \_\_\_\_\_ / Cubic Yard

Unit Price No. 3 – Granular Fill: Provide specified gravel sub-base material, placed and compacted.

\$ \_\_\_\_\_ / Cubic Yard

FAILURE TO PROVIDE COMPLETELY FILLED-IN DATA FOR ALL OF THE ALTERNATES AND UNIT PRICES INDICATED ABOVE WILL RESULT IN THE BID BEING CONSIDERED NON-RESPONSIVE.

**Addendum #3 #VET10112A (Landscaping)**

The Bidder understands that, depending upon the availability of funds, the Owner may, at its own discretion, accept Alternates. The Bidder further understands that it is the intent of the Owner to award a contract on the basis of lowest Base Proposal amount with or without modification by any or all of the Alternate Proposal amounts, as may solely benefit the Owner.

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**LANDSCAPING:**

The Contractor hereby agrees to commence work on the Project on or before a date to be specified in a written "Notice to Proceed" of the Owner. The Contractor agrees to fully complete the Project in 90 calendar days. The Contractor also agrees, for each calendar day of delay in completion of the Project beyond the stated length construction period to be liable for and pay to the Owner liquidated damages in the amount of \$750.00 per day, subject to allowances for delays beyond the control of the Contractor, all reasons for delays properly documented and verified.

**Landscaping - Base Bid Proposal:** The Bidder agrees to complete all Base Bid Proposal work on the Project, as required by the Bidding Documents for the following Sum:

\_\_\_\_\_ (\$ \_\_\_\_\_ )  
(Show amount in both words and figures)

In the event of a discrepancy between the wording of the Base Bid amount and the figure of the Base Bid amount, the wording shall govern.

**Landscaping - Alternate Proposals:** The Bidder agrees to perform the individual Alternate work as required by the Bidding Documents for the following Sum(s):

Alternate No. L1: Provide sod as specified in LIMITED AREAS (in lieu of seed) as indicated on Planting Plan Sheets L100, L102 and L104.

\_\_\_\_\_ **ADD(\$** \_\_\_\_\_ )  
(Show amount in both words and figures)

Alternate No. L2: Provide sod as specified in ALL REMAINING AREAS indicated as "LAWN: GRASS MIX" on Planting Plan Sheets (L100 series). This alternate assumes that Alternate No. L1 is already accepted.

\_\_\_\_\_ **ADD(\$** \_\_\_\_\_ )  
(Show amount in both words and figures)

In the event of a discrepancy between the wording of the Alternate amount(s) and the figure of the Alternate amounts(s), the wording shall govern.

**Addendum #3 #VET10112A (Landscaping)****Landscaping - Unit Prices:**

The Unit Prices shall determine the value of extra Work or changes in the Work, as applicable. They shall be considered complete and shall include all material and equipment, labor, installation costs, overhead, and profit. Unit prices shall be used uniformly for additions or deductions.

Unit Price No. L1 – Sod: Provide sod installed and maintained as specified.

\$ \_\_\_\_\_ / 1,000 SF

FAILURE TO PROVIDE COMPLETELY FILLED-IN DATA FOR ALL OF THE ALTERNATES AND UNIT PRICES INDICATED ABOVE WILL RESULT IN THE BID BEING CONSIDERED NON-RESPONSIVE.

The Bidder understands that, depending upon the availability of funds, the Owner may, at its own discretion, accept Alternates. The Bidder further understands that it is the intent of the Owner to award a contract on the basis of lowest Base Proposal amount with or without modification by any or all of the Alternate Proposal amounts, as may solely benefit the Owner.

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The Owner agrees to authorize disbursement to the Contractor for the performance of the Contract, and to make payment on 90% of the contract sum properly allocable to labor and materials completed on the Work up to the first (1<sup>st</sup>) day of each month, less the aggregate of previous payments in each case. At the time the Work is fifty percent (50%) complete and thereafter, if the manner of completion of the Work and its progress are and remain satisfactory to the Owner and Architect, upon presentation by the Contractor of Consent of Surety, the Architect will authorize any remaining partial payments to be paid in full. Upon Substantial Completion of the Work, the payment of retainage shall be sufficient to increase the total payments to ninety-five percent (95%) for the Work designated as Substantially Complete, less any amounts as the Architect shall determine for any Work that is not complete.

The Bidder has enclosed a Bid Bond for not less than 5% of the bid proposal price indicated above.

Upon receipt of written Notice of the acceptance of this bid, the Bidder agrees to promptly furnish, within 10 calendar days of Notice, satisfactory Performance and Labor and Material Payment Bonds in the amount of the Contract Price.

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Respectfully submitted for:

\_\_\_\_\_  
(Firm Name)

Contractor's WV License Number: \_\_\_\_\_  
(Pursuant to the WV Contractor Licensing Act 1991, 21-11-11)

**Addendum #3 #VET10112A (Landscaping)**

By: \_\_\_\_\_  
(Signature & Title)

WV Business Registration Number: \_\_\_\_\_

Business Address: \_\_\_\_\_

SEAL (If Bid is by a Corporation)