



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

Request for Quotation

| |
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| RFQ NUMBER |
| DEP15407 |

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| PAGE |
| 1 |

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| ADDRESS CORRESPONDENCE TO ATTENTION OF: |
| CHUCK BOWMAN 304-558-2157 |

VENDOR

*709060417 304-984-1115
 CARPENTER RECLAMATION INC
 PO BOX 13015

 SISSONVILLE WV 25360-0015

SHIP TO

ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|--------------|---------------|----------|--------|---------------|
| 04/07/2011 | | | | |

BID OPENING DATE: **05/26/2011** BID OPENING TIME: **01:30PM**

| LINE | QUANTITY | UOP | CAT NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
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| 0001 | 1 | JB | | 962-73 | ADDENDUMS (1+2) | \$9,349,777.00 |
| <p>RECLAMATION: RESTORATION OF LAND & OTHER PROPERTIES</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING BIDS FROM QUALIFIED CONTRACTORS FOR A CONTRACT TO PROVIDE ALL LABOR AND MATERIALS FOR THE RECLAMATION OF 247-ACRE ABANDONED MINE PROJECT KNOWN AS THE "GARDEN GROUND HIGHWALLS - PHASE II" PROJECT AT MT. HOPE, WEST VIRGINIA, (FAYETTE CO.).</p> <p>A MANDATORY ON SITE PREBID CONFERENCE SHALL BE HELD ON 04/28/11 @ 10:00 AM. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER. ALSO, PREBIDS WILL INVOLVE EXTENSIVE FOOT TRAVEL OVER DIFFICULT TERRAIN AND/OR DURING INCLEMENT WEATHER.</p> <p>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER'S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN</p> | | | | | | |

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 PURCHASING DIVISION
 STATE OF WV

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|---|---------------------------|-----------------------------------|--|
| SEE REVERSE SIDE FOR TERMS AND CONDITIONS | | | |
| SIGNATURE <i>Kelley Carpenter</i> | TELEPHONE 304-984-1115 | DATE 6-30-11 | |
| TITLE <i>President</i> | FEIN 55-0693493 | 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) ²

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 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).



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ADDRESS CORRESPONDENCE TO ATTENTION OF
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304-558-2157

***709060417 304-984-1115**
CARPENTER RECLAMATION INC
PO BOX 13015
SISSONVILLE WV 25360-0015

ENVIRONMENTAL PROTECTION
DEPARTMENT OF
OFFICE OF AML&R
601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

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| <p>ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR EMAIL ADDRESS AND FAX NUMBER.</p> <p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID, WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID, WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>DIRECTIONS TO PREBID:</p> <p>FROM US 19, TAKE THE GLEN JEAN EXIT AND TURN LEFT, TRAVEL +/- 1/2 MILE, TURN RIGHT. CROSS BRIDGE, GO STRAIGHT PAST THE NATIONAL PARK SERVICE BUILDING. TRAVEL +/- 1/4 MILE PAST THE NPS BUILDING PAST THE CHURCH, CROSS THE RAILROAD TRACKS, AND TRAVEL STRAIGHT AHEAD THROUGH THE YELLOW GATE. THE GRAVEL ROAD LEADS TO THE PROBLEM AREAS.</p> <p>PLANS AND SPECIFICATIONS MAY BE OBTAINED FROM WVDEP, OFFICE AML&R, 601 57TH ST., SE, CHARLESTON, WV 25304, PH. 304-926-0485 UPON PAYMENT OF \$150.00 NON-REFUNDABLE FEE. PAYMENT MUST BE MADE BY CHECK OR MONEY ORDER. NO CASH WILL BE ACCEPTED.</p> <p>EXHIBIT 5</p> <p>WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT: ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLAINE WITH THE BID. THE ENCLOSED DRUG-FREE WORKPLACE AFFIDAVIT MUST BE SIGNED AND SUBMITTED WITH THE BID</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE **KC** TELEPHONE DATE **6-30-11**

TITLE FEIN ADDRESS CHANGES TO BE NOTED ABOVE



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AUCTION

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| <p>AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE 1D, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED DRUG-FREE WORKPLACE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF SUCH BID.</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 365 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAGE RATES AS ESTABLISHED FOR FAYETTE COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT.)</p> <p>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> | | | | | | |

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| <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>() BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.</p> <p>(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL BE SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR/MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT. BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK, IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE BOND, OR LABOR AND MATERIAL BOND.</p> <p>() MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF THE SUCCESSFUL VENDOR.</p> <p>REV. 11/00</p> <p>*****</p> <p>AML CONTRACTOR INFORMATION FORM OMB #1029-0119 (EXPIRATION DATE: 01/31/2013) IS ATTACHED. YOU MUST COMPLETE THIS ORIGINAL FORM TO OBTAIN AN AVS DATA EVALUATION TO DETERMINE YOUR ELIGIBILITY AS AN AML</p> | | | | | | |

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S H I P T O

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| <p>CONTRACTOR. THIS IS A REQUIREMENT UNDER 30 CFR 874.16. IF THE ORIGINAL OMB #1029-0119 IS NOT ATTACHED TO THE BIDDING DOCUMENTS YOU CAN CONTACT THE AVS OFFICE AT 800-643-9748 OR WWW.AVS.OSMRE.GOV</p> <p>*****</p> <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR, CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305, PH. 304-558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID. BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: <i>Carpenter Reclamation Inc</i>.....</p> <p>CONTRACTORS LICENSE #: <i>WV007728</i>.....</p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT.</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES & REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS</p> | | | | | | |

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| <p>PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>(1) NOTICE TO PROCEED: THE CONSTRUCTION WORK SPECIFIED HEREIN IS TO BE COMPLETED WITHIN 365 CALENDAR DAYS AFTER THE OFFICIAL NOTICE TO PROCEED IS RECEIVED. IN THE EVENT THAT A PRE-CONSTRUCTION CONFERENCE IS REQUIRED, THE NOTICE TO PROCEED SHALL BE THE SPECIFIC DATE ESTABLISHED IN THE PRE-CONSTRUCTION CONFERENCE.</p> <p>(2) GUARANTEE AND MAINTENANCE: (A) THE MATERIALS AND WORKMANSHIP AFFECTED BY THE CONTRACTOR ARE SUBJECT TO THE GUARANTEE ESTABLISHED BY CUSTOM OF THE RESPECTIVE TRADES. IN THE ABSENCE OF A TRADE GUARANTEE CUSTOM OR A SPECIAL GUARANTEE PROVISION, THE WORK, BOTH AS TO THE MATERIALS AND WORKMANSHIP, SHALL UPON ACCEPTANCE OF FINAL PAYMENT BY THE CONTRACTOR BE CONSIDERED GUARANTEED BY THE CONTRACTOR FOR ONE YEAR FROM THE DATE OF THE ACCEPTANCE OF THE WORK. NEITHER THE FINAL ACCEPTANCE NOR THE FINAL PAYMENT SHALL RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR NEGLIGENCE OR FAULTY MATERIALS, AND FOR DEFECTS APPEARING WITHIN THE GUARANTEE PERIOD SHALL BE REMEDIED AT THE EXPENSE OF THE CONTRACTOR UPON WRITTEN NOTICE. (B) DURING THE ONE-YEAR GUARANTEE PERIOD, THE CONTRACTOR WILL MAINTAIN THE PROJECT TO THE CONDITIONS EXISTING AT THE DATE OF THE ACCEPTANCE OF THE WORK. ANY FAILURES DUE TO THE NEGLIGENCE OR WORKMANSHIP OF CONTRACTOR IN ANY OF THE WORK THAT DEVELOPS DURING THE</p> | | | | | | |

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| <p>GUARANTEE PERIOD SHALL BE CORRECTED BY THE CONTRACTOR AT ITS EXPENSE.</p> <p>(C) THE ONE-YEAR GUARANTEE PERIOD SHALL NOT BE CONSTRUED AS BEING AN EXTENSION OF THE PERFORMANCE TIME ALLOTTED FOR WORK UNDER THE CONTRACT.</p> <p>(D) GUARANTEES CONCERNING REVEGETATION MAY BE FURTHER DEFINED IN THE TECHNICAL SPECIFICATIONS CONTAINED HEREIN.</p> <p>(3) TERMINATION: (1) THIS CONTRACT MAY BE CANCELLED IN WHOLE OR IN PART IN WRITING BY THE DIRECTOR OF PURCHASING, WITHOUT PREJUDICE TO ANY OTHER RIGHT OR REMEDY IT MAY HAVE, PROVIDED THAT THE CONTRACTOR IS GIVEN NOT LESS THAN THIRTY CALENDAR DAYS WRITTEN NOTICE, (DELIVERED BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED) OF INTENT TO TERMINATE.</p> <p>(4) IT SHALL BE THE RESPONSIBILITY OF THE SUCCESSFUL VENDOR TO: (A) OBTAIN ALL NECESSARY DIVISION OF HIGHWAYS PERMITS FOR ALL TRANSPORTATION OF EQUIPMENT AND MATERIALS TO AND FROM THE JOB SITE. (B) OBTAIN ANY AND ALL REQUIRED CONSTRUCTION PERMITS OR RELATED JOB PERMITS.</p> <p>(5) TECHNICAL SPECIFICATIONS: ALL WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS PREPARED FOR THE RECLAMATION OF THE "GARDEN GROUND HIGHWALLS - PHASE II PROJECT. PLANS & SPECS ARE INCORPORATED HERE IN BY REFERENCE AND ALL PROVISIONS, CLAUSES AND CONDITIONS THEREIN ARE MADE PROPERLY A PART OF THIS CONTRACT, AND CONSISTS OF 249 DRAWINGS AS PREPARED BY TERRADON CORPORATION.</p> | | | | | | |

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601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

| | | | | |
|-----------------------------------|---------------|----------|--------|---------------|
| DATE PRINTED 04/07/2011 | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|-----------------------------------|---------------|----------|--------|---------------|

BID OPENING DATE: **05/26/2011** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|------|----------|-----|--------|---|------------|--------|
| | | | | | | |
| | | | | <p>(6) PAYMENTS AND COMPLETION: THE CONTRACTOR SHALL FURNISH TO DEP AN APPLICATION FOR PAYMENT WITH AN ITEMIZED SCHEDULE OF VALUES AS HEREIN BEFORE REQUESTED. THE FORM INCLUDED IN THE SPECIFICATIONS SHALL BE USED FOR APPLICATIONS OF PAYMENT. IT IS THE DEP'S INTENT THAT THE PAYMENT T THE CONTRACTOR BE MADE WITHIN 60 DAYS AFTER RECEIPT OF APPLICATION FOR PAYMENT.</p> <p>(7) APPLICATION FOR PARTIAL PAYMENT: THE CONTRACTOR MAY, ON A PERIODIC BASIS, SUBMIT FOR PARTIAL PAYMENT BASED ON THE AMOUNT OF WORK COMPLETED AT THE TIME OF THE SUBMITTAL. THE AMOUNT OF PAYMENT WILL BE DETERMINED FROM THE ACTUAL QUANTITY OF WORK COMPLETED IF BASED UPON UNIT MEASURES OR THE PERCENT COMPLETED IF BASED UPON A LUMP SUM.</p> <p>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.</p> <p>REV. 1/2005</p> <p>PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS</p> <p>1. EXCEPT WHEN AUTHORIZED BY THE DIRECTOR OF THE PURCHASING DIVISION PURSUANT TO SUBSECTION 2 BELOW, NO CONTRACTOR MAY USE OR SUPPLY STEEL PRODUCTS FOR A STATE CONTRACT PROJECT OTHER THAN THOSE STEEL PRODUCTS MADE IN THE UNITED STATES. AS USED IN THIS CONTRACT,</p> <p>A. "STATE CONTRACT PROJECT" MEANS ANY ERECTION OR CONSTRUCTION OF, OR ANY ADDITION TO, ALTERATION OF OR OTHER IMPROVEMENT TO ANY BUILDING OR</p> | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE **Kc** TELEPHONE DATE **6-30-11**

TITLE FEIN ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFO NUMBER
DEP15407

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ADDRESS CORRESPONDENCE TO ATTENTION OF
**CHUCK BOWMAN
 304-558-2157**

VENDOR

*709060417 304-984-1115
**CARPENTER RECLAMATION INC
 PO BOX 13015
 SISSONVILLE WV 25360-0015**

SHIP TO

**ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
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|------|----------|-----|--------|--|------------|--------|
| | | | | <p>STRUCTURE, INCLUDING, BUT NOT LIMITED TO, ROADS OR HIGHWAYS, OR THE INSTALLATION OF ANY HEATING OR COOLING OR VENTILATING PLANTS OR OTHER EQUIPMENT, OR THE SUPPLY OF AND MATERIALS FOR SUCH PROJECTS, PURSUANT TO A CONTRACT WITH THE STATE OF WEST VIRGINIA FOR WHICH BIDS WERE SOLICITED ON OR AFTER JUNE 6, 2001.</p> <p>B. "STEEL PRODUCTS" MEANS PRODUCTS ROLLED, FORMED, SHAPED, DRAWN, EXTRUDED, FORGED, CAST, FABRICATED OR OTHERWISE SIMILARLY PROCESSED, OR PROCESSED BY A COMBINATION OF TWO OR MORE OF SUCH OPERATIONS, FROM STEEL MADE BY THE OPEN HEARTH, BASIC OXYGEN, ELECTRIC FURNACE, BESSEMER OR OTHER STEEL MAKING PROCESS.</p> <p>C. "UNITED STATES" MEANS THE UNITED STATES OF AMERICA AND INCLUDES ALL TERRITORY, CONTINENTAL OR INSULAR, SUBJECT TO THE JURISDICTION OF THE UNITED STATES.</p> <p>2. THE DIRECTOR OF THE PURCHASING DEPARTMENT MAY, IN WRITING, AUTHORIZE THE USE OF FOREIGN STEEL PRODUCTS IF:</p> <p>A. THE COST FOR EACH CONTRACT ITEM USED DOES NOT EXCEED ONE TENTH OF ONE PERCENT (.1%) OF THE TOTAL CONTRACT COST OR TWO THOUSAND FIVE HUNDRED DOLLARS (\$2,500.00), WHICHEVER IS GREATER. FOR THE PURPOSES OF THIS SECTION, THE COST IS THE VALUE OF THE STEEL PRODUCT AS DELIVERED TO THE PROJECT OR,</p> <p>B. THE DIRECTOR OF THE PURCHASING DIVISION DETERMINES THAT SPECIFIED STEEL MATERIALS ARE NOT PRODUCED IN THE UNITED STATES IN SUFFICIENT</p> | | |

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|------|---|-----|--------|-------------|------------|--------|
| | <p>QUANTITY OR OTHERWISE ARE NOT REASONABLY AVAILABLE TO MEET CONTRACT REQUIREMENTS.</p> <p>3. A CONTRACTOR WHO USES STEEL PRODUCTS IN VIOLATION OF THIS SECTION MAY BE SUBJECT TO CIVIL PENALTIES PURSUANT TO WV CODE SECTION 5A-3-56.</p> <p>REV. 10/01/01</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS & STEEL IN PUBLIC WORKS PROJECTS</p> <p>IN ACCORDANCE WITH WEST VIRGINIA CODE 5-19-1 ET., SEQ., EVERY CONTRACT FOR CONSTRUCTION, RECONSTRUCTION, ALTERATION, REPAIR, IMPROVEMENT OR MAINTENANCE OF PUBLIC WORKS, WHERE THE COST IS MORE THAN \$50,000 AND, IN THE CASE OF STEEL ONLY, WHERE THE COST OF STEEL IS MORE THAN \$50,000 OR WHERE MORE THAN 10,000 POUNDS OF STEEL ARE REQUIRED, THE STATE WILL ACCEPT ONLY ALUMINUM GLASS, OR STEEL PRODUCTS PRODUCED IN THE UNITED STATES. IN ADDITION, ITEMS OF MACHINERY OR EQUIPMENT PURCHASED FOR USE AT THE SITE OF PUBLIC WORKS SHALL BE MADE OF DOMESTIC ALUMINUM, GLASS OR STEEL, UNLESS THE COST OF THE PRODUCT IS LESS THAN \$50,000 OR LESS THAN 10,000 POUNDS OF STEEL ARE USED IN PUBLIC WORKS PROJECTS.</p> <p>FOREIGN MADE ALUMINUM, GLASS OR STEEL PRODUCTS MAY BE ACCEPTED ONLY IF THE COST OF DOMESTIC PRODUCTS IS FOUND TO BE UNREASONABLE. SUCH COST IS UNREASONABLE IF IT IS 20% OR MORE HIGHER THAN THE BID PRICE FOR FOREIGN MADE PRODUCTS. IF THE DOMESTIC ALUMINUM, GLASS OR STEEL PRODUCTS TO BE SUPPLIED OR PRODUCED IN A "SUBSTANTIAL LABOR SURPLUS AREA", AS DEFINED BY THE UNITED STATES DEPARTMENT OF LABOR, FOREIGN PRODUCTS MAY BE SUPPLIED</p> | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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| SIGNATURE KC | TELEPHONE | DATE 6-30-11 |
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| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|----------|-------------|------------|--------|
| <p>ONLY IF DOMESTIC PRODUCTS ARE 30% OR MORE HIGHER IN PRICE THAN THE FOREIGN MADE PRODUCTS.</p> <p>IF, PRIOR TO THE AWARD OF A CONTRACT UNDER THE ABOVE PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID FOR DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS. ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.</p> <p>REV. 3/88</p> <p>EXHIBIT 9</p> <p>NOTICE FOR ISSUANCE & ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA.</p> <p>THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:</p> <p>(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT. THE ADDENDUM AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.</p> <p>(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|--------|
| <p>OPENING DATE.</p> <p>(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY ALL BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION. THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.</p> <p>REV. 11/96</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: .DEP15407...</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 .. ✓</p> <p>NO. 2 .. ✓</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|--------------------------------------|----------------------------------|-----------------------------------|
| SIGNATURE <i>Kelley Carpenter</i> | TELEPHONE 304-984-1115 | DATE 6-30-11 |
| TITLE <i>President</i> | FEIN 55-0693493 | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO REQ. INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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| LINE | QUANTITY | UQP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|--------|
| <p>VENDOR MUST CLEARLY 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.</p> <p><i>Kelley Carpenter</i> SIGNATURE <i>Carpenter Reclamation Inc.</i> COMPANY 6-30-11 DATE</p> <p>REV. 11/96</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: CB-23</p> <p>RFQ. NO.: DEP15407</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|--------------------------------------|----------------------------------|-----------------------------------|
| SIGNATURE <i>Kelley Carpenter</i> | TELEPHONE <i>304-984-1115</i> | DATE <i>6-30-11</i> |
| TITLE <i>President</i> | FEDIN <i>55-0693493</i> | ADDRESS CHANGES TO BE NOTED ABOVE |

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| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--|----------|-----|--------|-------------|------------|------------------------------|
| <p>BID OPENING DATE: 05/26/2011</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: <i>304-984-2770</i></p> <hr/> <p>VENDOR SHOULD SUBMIT WITH THEIR BID THE CURRENT REMIT-TO ADDRESS TO BE USED FOR PAYMENT PROCESSING: <i>Carpenter Reclamation Inc.</i> <i>P.O. Box 13015 Sissonville WV 25360</i></p> <hr/> <p>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE: <i>Randy Carpenter... 304-984-1115... 304-543-1726</i></p> | | | | | | |
| <p>***** THIS IS THE END OF RFQ DEP15407 ***** TOTAL:</p> | | | | | | <p><i>\$1,934,777.00</i></p> |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|------------------------|-----------|-----------------------------------|
| SIGNATURE <i>KC</i> | TELEPHONE | DATE <i>6-30-11</i> |
| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |

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

Garden Ground Highwalls Ph II DEP15407 Contractor's Bid Sheet

Company Name: Carpenter Reclamation Inc.

Address: P.O. Box 13015
Sissonville WV 25360

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

See Addendum #2

| ITEM NO. | QUANTITY | DESCRIPTION | UNIT PRICE | AMOUNT |
|--------------|--------------|---|------------|-----------|
| 1.0 | LS | Mobilization and Demobilization (Limited to 10% of Total Bid) | LS | \$ |
| 2.0 | LS | Construction Layout (Limited to 5% of Total Bid) | LS | \$ |
| 3.0 | LS | Quality Control (Limited to 3% of Total Bid) | LS | \$ |
| 4.0 | LS | Site Preparation (Limited to 10% of Total Bid) | LS | \$ |
| 4.1 | 19,200 LF | Temporary Access Roads | | \$ |
| 5.1 | 51,000 LF | Straw Wattles | | \$ |
| 5.2 | 56,000 LF | Super Silt Fence | | \$ |
| 5.3 | 208 EA | Triangular Silt Dikes | | \$ |
| 5.4 | 175 EA | Sediment Traps | | \$ |
| 5.5 | 4,485 SY | Permanent Erosion Control Matting | | \$ |
| 6.0 | 247 AC | Revegetation | | \$ |
| 7.1 | 5,800 LF | 18-inch HDPE Pipe | | \$ |
| 7.2 | 820 LF | 24-inch HDPE Pipe | | \$ |
| 7.3 | 340 LF | 36-inch HDPE Pipe | | \$ |
| 7.4 | 240 LF | 42-inch HDPE Pipe | | \$ |
| 7.5 | 60 LF | 48-inch HDPE Pipe | | \$ |
| 7.6 | 26,670 LF | Type A Channel | | \$ |
| 7.7 | 1,300 LF | Type B Channel | | \$ |
| 7.8 | 5,875 LF | Type C Channel | | \$ |
| 7.9 | 1,100 LF | Riprap Groin | | \$ |
| 7.10 | 1,020 CY | Riprap Aprons | | \$ |
| 8.0 | 1,835,000 CY | Unclassified Excavation | | \$ |
| 9.1 | 15 EA | Modified Mine Seal | | \$ |
| 9.2 | 55 EA | Bat Gate Mine Seal | | \$ |
| 9.3 | 12 EA | Wet Mine Seal | | \$ |
| 9.4 | 1,330 LF | 12-inch Mine Conveyance Pipe | | \$ |
| 11.0 | 2,600 LF | Underdrain | | \$ |
| | | | | \$ |
| | | | | \$ |
| TOTAL | | | | \$ |

Part D.

Contractor's Business Name: Carpenter Reclamation, Inc.

If the current Entity OFT information for your business is incomplete or incorrect in AVS, or if there is no information in AVS for your business, you must provide all of the following information as it applies to your business. Please make as many copies of this page as you require.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Every partner, if your business is a partnership;
- Every member and manager, if your business is a limited liability company; and
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.

| | | | |
|-------------|------------|----------------|-------|
| Name | <u>N/A</u> | Position/Title | _____ |
| Address | _____ | Telephone # | _____ |
| | _____ | % of Ownership | _____ |
| Begin Date: | _____ | Ending Date: | _____ |

| | | | |
|-------------|-------|----------------|-------|
| Name | _____ | Position/Title | _____ |
| Address | _____ | Telephone # | _____ |
| | _____ | % of Ownership | _____ |
| Begin Date: | _____ | Ending Date: | _____ |

| | | | |
|-------------|-------|----------------|-------|
| Name | _____ | Position/Title | _____ |
| Address | _____ | Telephone # | _____ |
| | _____ | % of Ownership | _____ |
| Begin Date: | _____ | Ending Date: | _____ |

| | | | |
|-------------|-------|----------------|-------|
| Name | _____ | Position/Title | _____ |
| Address | _____ | Telephone # | _____ |
| | _____ | % of Ownership | _____ |
| Begin Date: | _____ | Ending Date: | _____ |

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to 1 hour, with an average of 22 minutes per response, including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, Room 202 SIB, Constitution Ave., NW, Washington, D.C. 20240.

Instructions for Completing AML Contractor Form OMB #1029-0119¹

Part A: General Information. Part A should be completed by the AML Contractor.

Part B: Legal Structure. Part B should be completed by the AML Contractor.

Part C: Certifying and updating information in the Applicant/Violator System (AVS). Part C should be completed by the AML Contractor, selecting the statement that best describes their situation.

If information is accurate, complete and up-to-date, then check the first statement and sign and date. Attach the Entity OFT printout to the OMB #1029-0119 form and submit the form and attachment to the AML Contracting Officer your business is working with.²

Upon reviewing an Entity OFT printout, if you discover the information contained in AVS is not accurate, complete and up-to-date, then check the second statement and complete Part D to provide missing or corrected information that needs reflected in AVS. Attach the Entity OFT printout to the OMB #1029-0119 form and submit the form and attachment to the AML Contracting Officer your business is working with.

If your business does not appear to have any information in AVS, then check the third statement and complete Part D. Submit the OMB #1029-0119 form to the AML Contracting Officer your business is working with.

Part D:

If current Entity OFT information for your business is incomplete, incorrect, or if you believe there is no information currently in the AVS for your business, you must complete Part D. Submit the OMB #1029-0119 form to the AML Contracting Officer your business is working with.

¹ If you need any assistance completing OMB #1029-0119, please contact the AVS Office at 800.643.9748.

² You may obtain your business' Entity OFT for certification purposes two ways. One way is to contact the AVS Office at 800.643.9748 and request the information. The second way is to access the AVS from your personal computer by visiting <https://avss.osmre.gov>. Click "Access AVS", and then Login as Guest. Place your cursor on the "Entity" Module and "Click". Type your business name in search box and press enter key. If more than one entity record appears, select your company and then "Click" on the "relationship" tab to display your Entity OFT information. Print the Entity OFT from AVS.



AVS OFT Report - 4/5/2010 12:56:36 PM

All OFT's where the selected entity is listed as an entity or related entity

Entity Selected (140618) Carpenter Reclamation Inc

| Parent Entity | Description | Related Entity | % Ownership | Begin Date | End Date |
|------------------------------------|----------------|---------------------------|-------------|------------|----------|
| (140618) Carpenter Reclamation Inc | President | (140616) Kelley Carpenter | | 10/1/1989 | |
| (140618) Carpenter Reclamation Inc | Shareholder | (140616) Kelley Carpenter | 50% | 10/1/1989 | |
| (140618) Carpenter Reclamation Inc | Shareholder | (140617) Mary Carpenter | 50% | 10/1/1989 | |
| (140618) Carpenter Reclamation Inc | Vice President | (140617) Mary Carpenter | | 10/1/1989 | |

Current Information

K. Carpenter

6-30-11



State of West Virginia
 Department of Administration
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 304-558-2157

VENDOR
 *709060417 304-984-1115
 CARPENTER RECLAMATION INC
 PO BOX 13015
 SISSONVILLE WV 25360-0015

SHIP TO
 ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|--------------|---------------|----------|--------|---------------|
| 05/19/2011 | | | | |

BID OPENING DATE: 06/16/2011 BID OPENING TIME 01:30PM

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|-----------------------|
| ***** ADDENDUM NO. 1 ***** | | | | | | |
| ADDENDUM ISSUED FOR THE GARDEN GROUND HIGHWALLS PHASE II PROJECT IN FAYETTE COUNTY TO DELAY THE BID OPENING WHILE AWAITING THE INFORMATIONAL ADDENDUM AS A RESULT OF THE MANDATORY PRE-BID MEETING ON 04/28/11. ADDENDUM NO. 2 WILL BE ISSUED SHORTLY. BID OPENING DATE & TIME ARE EXTENDED FROM 05/26/11 TO 06/16/11 AT 1:30 PM. ***** NO OTHER CHANGES ***** | | | | | | |
| 0001 | 1 | JB | | 962-73 | | |
| RECLAMATION: RESTORATION OF LAND & OTHER PROPERTIES | | | | | | |
| ***** THIS IS THE END OF RFQ DEP15407 ***** | | | | | | TOTAL: \$9,349,777.00 |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Kelly Carpenter* TELEPHONE: 304-984-1115 DATE: 6-30-11

TITLE: *President* FEIN: 55-0693493 ADDRESS CHANGES TO BE NOTED ABOVE

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



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
 DEP15407

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 CHUCK BOWMAN
 304-558-2157

VENDOR
 *709060417 304-984-1115
 CARPENTER RECLAMATION INC
 PO BOX 13015
 SISSONVILLE WV 25360-0015

SHIP TO
 ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 OFFICE OF AML&R
 601 57TH STREET SE
 CHARLESTON, WV
 25304 304-926-0499

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|------------------------------|---------------|--------------------------|--------|---------------|
| 06/07/2011 | | | | |
| BID OPENING DATE: 06/30/2011 | | BID OPENING TIME 01:30PM | | |

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|---------------------------------|
| ***** NO OTHER CHANGES ***** | | | | | | |
| ***** ADDENDUM NO.2 ***** | | | | | | |
| ADDENDUM ISSUED FOR THE GARDEN GROUND HIGHWALLS II PROJECT IN FAYETTE CO., WV, TO DISTRIBUTE THE PRE-BID SIGN-IN SHEETS, THE REVISED BID SCHEDULE, THE REVISIONS TO THE SPECIFICATIONS, REVISIONS TO DRAWINGS, THE CUT/FILL VOLUME SHEETS, DRAWINGS #R6K-1, R6K-2, D1, D2 & D4, AS WELL AS THE Q/A RESULTING FROM THE PRE-BID MEETING DATED 04/28/2011. | | | | | | |
| BID OPENING DATE AND TIME ARE EXTENDED FROM 06/16/2011 TO 06/30/2011 AT 1:30 PM. | | | | | | |
| ***** NO OTHER CHANGES ***** | | | | | | |
| 0001 | 1 | JB | | 962-73 | | |
| RECLAMATION: RESTORATION OF LAND & OTHER PROPERTIES | | | | | | ADDENDUMS (1+2) \$ 9,349,777.00 |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Kelly Carpenter* TELEPHONE: 304 984-1115 DATE: 6-30-11

TITLE: President FEIN: 55-0693493 ADDRESS CHANGES TO BE NOTED ABOVE

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

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Garden Ground Highwalls Phase II
Addendum #2**

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SITE VISITS

The Contractors are allowed and encouraged to visit all sites while preparing their bids. All sites are behind locked gates and to gain access each Contractor is to contact Ashley King at 304-877-7907. The condition of the access roads are not guaranteed and Contractors are responsible for providing transportation capable of driving steep, rough, and muddy terrain. The Contractors may need to cut fallen trees and brush to gain access.

REVISIONS TO SPECIFICATIONS

Article II – Bidding Information – 8.0 “Time of Completion and Liquidated Damages” -
Last sentence – Eliminate “two hundred and fifty dollars (\$250), Add “five hundred dollars (\$500) for each day of delay”.

Special Provision XIII – PERMITS, LICENSES AND FEES – Add “For the NPDES permit, it is required to modify the registration whenever there is a change in design, construction, scope of operation or maintenance which has the potential to adversely impact the surface waters of the State, or if the SWPPP (Surface water pollution prevention plan) proves to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges associated with the construction activities.

Special Provision XVII – ROCK BLASTING – First sentence – Now reads “It is anticipated that blasting will not be required on this project” Revise to read “It is anticipated that some blasting may be required on this project”.

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Eliminate existing "Special Provision XXII"

Add – revised Special Provision XXII – CONSTRUCTION SEQUENCE (all times to complete tasks are estimated)

"To meet the NPDES Permit Requirements, the following sequence shall be followed:

CONSTRUCTION SEQUENCE - TIMELINE
GARDEN GROUND HIGHWALLS - PHASE 2

OVERALL PROJECT REQUIREMENTS

- Install public notice sign (WVDEP requirement) at construction entrance of project.
- Verify WVDEP NPDES plan approval and obtain any other applicable permits.

PHASE 1: (SITE 5 HIGHWALL J STA. 0+00 TO STA. 87+00) Construction Time Est. 60 Days

1. Review the Construction Limits and mark any particular trees and buffer areas for protection.
2. Install Temporary Construction Entrance/Exit according to Construction Plans and Detail E/D1. This entrance will be located at Site 6 Highwall K.
3. Construct temporary access road through Site 6 to access Site 5 according to Construction Plans and Detail B/D4.
4. Install Super Silt Fence as the next construction activity. Place Super Silt Fence below grading limits for erosion and sediment control as shown on Construction Plans and Detail A/D1.
5. Remove and dispose of any trash and debris located within the Construction Limits.
6. Construct all other temporary devices as soon as construction will permit.
7. Install Bat Gate Mine Seals (Detail D/D2), Wet Mine Seals (Detail A/D3), and Modified Wet Mine Seals (Detail A/D2) according to Construction Plans, Profiles and Details mentioned. Grade as necessary around seals for construction and construct an Impoundment Drain Temporary Trap according to Detail D/D4 below portal before breaching. All "dirty" water and mine water from portal shall be diverted into the Impoundment Drain Temporary Trap before discharging water outside of the Construction Limits.
8. Grade Bench and Highwall and place straw wattles on 2:1 side slopes according to Construction Plans and Detail B/D1. Seed and Mulch regraded 2:1 slopes according to the Detailed Specifications. Mulch all bare areas if grading is to be discontinued for more than one week (7 days).

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9. Grade and construct channels (Detail A/D5) and appropriate ditch lining, install culverts (Detail D/D1), pipe inlet protection (Detail J/D1), outlet protection (Detail E/D2), and riprap groins (Detail E/D3) according to Construction Plans and Details mentioned. Sediment Sumps (Detail F/D1) and Triangular Silt Dikes (Detail A/D4) shall be placed as shown according to Construction Plans and Details mentioned. The Super Silt Fence is to be removed at the outlet end of pipes once Riprap Aprons (Detail E/D2) have been installed.
10. Complete site grading and permanently vegetate according to the Detailed Specifications.
11. All erosion and sediment control practices will be inspected weekly and after rainfall events. Needed repairs will be made immediately.
12. After site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas caused by removing temporary measures.
13. The estimated time before final stabilization is 9 months.

PHASE 2: (SITE 5 HIGHWALL J STA. 87+00 TO END) Construction Time EST. 60 Days

1. Review the Construction Limits and mark any particular trees and buffer areas for protection.
2. Install Super Silt Fence as the next construction activity. Place Super Silt Fence below grading limits for erosion and sediment control as shown on Construction Plans and Detail A/D1.
3. Remove and dispose of any trash and debris located within the Construction Limits.
4. Construct all other temporary devices as soon as construction will permit.
5. Install Bat Gate Mine Seals (Detail D/D2), Wet Mine Seals (Detail A/D3), and Modified Wet Mine Seals (Detail A/D2) according to Construction Plans, Profiles and Details mentioned. Grade as necessary around seals for construction and construct an Impoundment Drain Temporary Trap according to Detail D/D4 below portal before breaching. All "dirty" water and mine water from portal shall be diverted into the Impoundment Drain Temporary Trap before discharging water outside of the Construction Limits.
6. Place 48" HDPE Temporary Pipe in areas where Riprap Drive-Throughs are to be constructed as shown in Detail C/D2.
7. Drain all impoundments according to the Construction Plans, Cross Sections and Muck Excavation Detail D/D3. All "dirty" water from the impoundments shall be diverted into the Impoundment Drain Temporary Trap (Detail D/D4) before discharging water outside of the Construction Limits.
8. Grade Bench and Highwall and place straw wattles on 2:1 side slopes according to Construction Plans and Detail B/D1. Seed and Mulch regraded 2:1 slopes according to the Detailed Specifications. Mulch all bare areas if grading is to be discontinued for more than one week (7 days).

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9. Grade and construct channels (Detail A/D5) and appropriate ditch lining, install culverts (Detail D/D1), pipe inlet protection (Detail J/D1), outlet protection (Detail E/D2), and riprap groins (Detail E/D3) according to Construction Plans and Details mentioned. Sediment Sumps (Detail F/D1) and Triangular Silt Dikes (Detail A/D4) shall be placed as shown according to Construction Plans and Details mentioned. The Super Silt Fence is to be removed at the outlet end of pipes once Riprap Aprons (Detail E/D2) have been installed.
10. Complete site grading and permanently vegetate according to the Detailed Specifications.
11. Once vegetation is established the Riprap Drive-Throughs are to be constructed as shown in Detail C/D2.
12. All erosion and sediment control practices will be inspected weekly and after rainfall events. Needed repairs will be made immediately.
13. After site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas caused by removing temporary measures.
14. The estimated time before final stabilization is 9 months.

PHASE 3: (SITE 6 HIGHWALL K) Construction Time Est. 60 Days

1. Review the Construction Limits and mark any particular trees and buffer areas for protection.
2. Install Super Silt Fence as the next construction activity. Place Super Silt Fence below grading limits for erosion and sediment control as shown on Construction Plans and Detail A/D1. Construct Temporary Sediment Dam according to Construction Plans and Detail E/D4.
3. Remove and dispose of any trash and debris located within the Construction Limits.
4. Remove and dispose of any abandoned structures as shown on the Construction Plans and Detail I/D1 located within the Construction Limits.
5. Stockpile top soil to be used as Soil Cover that is to be applied on Refuse Piles as shown in Detail C/D4.
6. Construct all other temporary devices as soon as construction will permit.
7. Install Bat Gate Mine Seals (Detail D/D2), Wet Mine Seals (Detail A/D3), and Modified Wet Mine Seals (Detail A/D2) according to Construction Plans, Profiles and Details mentioned. Grade as necessary around seals for construction and construct an Impoundment Drain Temporary Trap according to Detail D/D4 below portal before breaching. All "dirty" water and mine water from portal shall be diverted into the Impoundment Drain Temporary Trap before discharging water outside of the Construction Limits.
8. Drain all impoundments according to the Construction Plans, Cross Sections and Muck Excavation Detail D/D3. All "dirty" water from the impoundments shall be diverted into the Impoundment Drain Temporary Trap (Detail D/D4) before discharging water outside of the Construction Limits.

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9. Grade Bench and Highwall and place straw wattles on 2:1 side slopes according to Construction Plans and Detail B/D1. Seed and Mulch regraded 2:1 slopes according to the Detailed Specifications. Mulch all bare areas if grading is to be discontinued for more than one week (7 days).
10. Grade and construct channels (Detail A/D5) and appropriate ditch lining, install culverts (Detail D/D1), pipe inlet protection (Detail J/D1), outlet protection (Detail E/D2), and riprap groins (Detail E/D3) according to Construction Plans and Details mentioned. Sediment Sumps (Detail F/D1) and Triangular Silt Dikes (Detail A/D4) shall be placed as shown according to Construction Plans and Details mentioned. The Super Silt Fence is to be removed at the outlet end of pipes once Riprap Aprons (Detail E/D2) have been installed.
11. Complete site grading, placement of soil cover on refuse piles, and permanently vegetate according to the Detailed Specifications.
12. All erosion and sediment control practices will be inspected weekly and after rainfall events. Needed repairs will be made immediately.
13. After site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas caused by removing temporary measures.
14. The estimated time before final stabilization is 9 months.

PHASE 4: (SITE 7 HIGHWALL'S L, M & N) Construction Time Est. 90 Days

1. Review the Construction Limits and mark any particular trees and buffer areas for protection.
2. Install Temporary Construction Entrance/Exit according to Construction Plans and Detail E/D1..
3. Construct temporary access road according to Construction Plans and Detail B/D4.
4. Install Super Silt Fence as the next construction activity. Place Super Silt Fence below grading limits for erosion and sediment control as shown on Construction Plans and Detail A/D1.
5. Remove and dispose of any trash and debris located within the Construction Limits.
6. Construct all other temporary devices as soon as construction will permit.
7. Install Bat Gate Mine Seals (Detail D/D2), Wet Mine Seals (Detail A/D3), and Modified Wet Mine Seals (Detail A/D2) according to Construction Plans, Profiles and Details mentioned. Grade as necessary around seals for construction and construct an Impoundment Drain Temporary Trap according to Detail D/D4 below portal before breaching. All "dirty" water and mine water from portal shall be diverted into the Impoundment Drain Temporary Trap before discharging water outside of the Construction Limits.
8. Place 48" HDPE Temporary Pipe in areas where Riprap Drive-Throughs are to be constructed as shown in Detail C/D2.

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9. Drain all impoundments according to the Construction Plans, Cross Sections and Muck Excavation Detail D/D3. All "dirty" water from the impoundments shall be diverted into the Impoundment Drain Temporary Trap (Detail D/D4) before discharging water outside of the Construction Limits.
10. Grade Bench and Highwall and place straw wattles on 2:1 side slopes according to Construction Plans and Detail B/D1. Seed and Mulch regraded 2:1 slopes according to the Detailed Specifications. Mulch all bare areas if grading is to be discontinued for more than one week (7 days).
11. Grade and construct channels (Detail A/D5) and appropriate ditch lining, install culverts (Detail D/D1), pipe inlet protection (Detail J/D1), outlet protection (Detail E/D2), and riprap groins (Detail E/D3) according to Construction Plans and Details mentioned. Sediment Sumps (Detail F/D1) and Triangular Silt Dikes (Detail A/D4) shall be placed as shown according to Construction Plans and Details mentioned. The Super Silt Fence is to be removed at the outlet end of pipes once Riprap Aprons (Detail E/D2) have been installed.
12. Complete site grading and permanently vegetate according to the Detailed Specifications.
13. Once vegetation is established the Riprap Drive-Throughs are to be constructed as shown in Detail C/D2.
14. All erosion and sediment control practices will be inspected weekly and after rainfall events. Needed repairs will be made immediately.
15. After site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas caused by removing temporary measures.
16. The estimated time before final stabilization is 9 months.

Special Provision XXV – Aggregate Gradations – First sentence below the chart now reads “The above referenced chart contains information as to the stone that will be crushed on site for the landowner.”
Revise to read “The above referenced chart contains information as to the stone that will be used on site as requested by the landowner.”

Add - “Special Provision XXVI - SITE ACCESS - The AML Contractor’s access to all project sites will be at Site 6 (refuse area) and up through the existing sawmill area. The AML Contractor is not to access the sites via the National Park Service office area. The Contractor shall be aware that some portions of the sawmill and the pallet plant will continue working for an unknown period. The Contractor shall coordinate efforts with these facilities.”

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Add “Special Provision XXVI I - ROCK STOCKPILE AREAS – Mine seal stone, underdrain stone and access road stone required for all the AML sites will be provided by Trinity Works. The rock will be placed in a designated stockpile area for each of the sites. The rock will be graded to the proper size and quality. The AML Contractor will be responsible for loading, hauling and placing the rock where required according to the drawings and specifications.”

Add “Special Provision XXVIII – Rock Riprap – Rock riprap stone will not be provided to the Contractor. The Contractor shall obtain stone for riprap from within the construction limits, from an approved off-site borrow area and must meet NEPA requirements, or from a commercial source. Rock riprap shall be hard durable sandstone or limestone and shall be Aggregate Type A or B as outlined in Special Provision XXV – Aggregate Gradations and as required within the specifications and shown on the drawings. Rock for riprap shall have a maximum weighted loss of 30% when subjected to 5 cycles of the sodium sulfate soundness test as outlined by ASTM C88. Tests shall be submitted prior to the placement of stone. Shale shall not be used. The cost of the rock riprap shall be incidental to the cost of the structure requiring rock riprap. Excavation for rock riprap shall not be included in payment for Item 8 – Unclassified Excavation.”

Specification 2.1 – Add “All final as built plans shall be submitted as hard copy drawings at the same scale as the original design drawings.”

Specification 3.1.1 – second paragraph – Add “Failure to submit compaction tests will result in non-payment of excavated material that has been placed in fills.”

Specification 5.1 – Description – Eliminate second paragraph.

Specification 5.2.6 – first sentence – Now reads “Sediment traps shall be constructed as shown on the plans.” Revise to read “Sediment sumps shall be constructed as shown on the plans.”

Add “Specification 5.2.8 – A Temporary Sediment Pond shall be constructed as per details in the plans. It shall include all items and materials necessary to construct the pond.”

Specification 5.4.4 – Now reads “Sediment traps shall be constructed at locations shown on the plans per the detail.” Revise to read “Sediment sumps shall be constructed at locations shown on the plans per the detail.”

Add “Specification 5.4.6 – The Temporary Sediment Pond shall be constructed per the detail in the plans at the location shown on the plans.”

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Add” Specification 5.5.6 – The temporary sediment pond shall be paid per each and shall include all necessary materials, supplies, labor and equipment for installation.”

Pay Item 5.4, Now reads “Sediment Traps”, per each. Revise to read “Sediment Sumps”, per each.

Add “Pay Item 5.6, “Temporary Sediment Pond”, per each.”

Specification 6.2.4 – Mulch Material – first sentence – Eliminate “Mulching procedures shall take place immediately following seeding.” Add “Mulching procedures shall take place immediately following seeding, including all flatter areas.”

Eliminate existing Specification 7.2.1 – second paragraph. Add revised Specification 7.2.1 “The Contractor should be aware that provisions have been made to obtain mine seal stone, underdrain stone and access road stone on site. The plan views show areas on the project sites where this rock is available for use. For this project the landowner will crush all of this rock necessary for the project and will place this rock in stockpiles at the designated rock stockpile area. The Contractor is responsible for providing trucks to haul the rock from the stockpile area to the locations on the project. The Contractor shall be aware that rock riprap (Aggregate Types A and B) will not be provided by the landowner. The Contractor shall obtain stone for riprap from within the construction limits, or from an approved off-site borrow area, or from a commercial source and the Contractor will be responsible for the cost of providing this stone. Rock riprap shall be hard durable sandstone or limestone and shall be Aggregate Type A or B as outlined in Special Provision XXV – Aggregate Gradations and as required within the specifications and shown on the drawings. Rock for riprap shall have a maximum weighted loss of 30% when subjected to 5 cycles of the sodium sulfate soundness test as outlined by ASTM C88. Tests shall be submitted prior to the placement of stone. Shale shall not be used. The rock used for riprap shall be subject to the approval of the WVDEP. The cost of the rock riprap shall be incidental to the cost of the structure requiring rock riprap. Excavation for rock riprap shall not be included in payment for Item 8 – Unclassified Excavation.”

Specification 8.1 – Add “Each site balances for excavation and fill placement but some trucking of material will be required within each site. Each Contractor is responsible for calculating how much material may require trucking.”

Specification 8.2 – Second paragraph - Add “Detail D/D4 is attached in this addendum for this work.”

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Specification 8.3 – Select Rock Borrow – last sentence - Delete “Please note that all rock borrow is being supplied by the property owner,” Add “The Contractor is responsible for supplying rock to be used for stabilization of wet areas,”

Specification 8.8 – second paragraph - Add “Compaction tests for fills placed shall also be submitted.”

Specification 9.1 – Add “Auger holes are not to receive mine seals.”

Specification 11.3.1 – Add “Auger holes are to receive underdrains and not mine seals as approved by the WVDEP.”

REVISIONS TO DRAWINGS

Eliminate “Sheet R6K-1 – RECLAMATION PLAN – SITE 6 – HIGHWALL K” from set of bound drawings. Add revised and attached “Sheet R6K-1 – RECLAMATION PLAN – SITE 6 – HIGHWALL K”.

Eliminate “Sheet R6K-2 – RECLAMATION PLAN – SITE 6 – HIGHWALL K” from set of bound drawings. Add revised and attached “Sheet R6K-2 – RECLAMATION PLAN – SITE 6 – HIGHWALL K”.

Eliminate “Sheet D1 MISCELLANEOUS DETAILS” from set of bound drawings. Add revised and attached “Sheet D1 MISCELLANEOUS DETAILS”.

Eliminate “Sheet D2 MISCELLANEOUS DETAILS” from set of bound drawings. Add revised and attached “Sheet D2 MISCELLANEOUS DETAILS”.

Eliminate “Sheet D4 MISCELLANEOUS DETAILS” from set of bound drawings. Add revised and attached “Sheet D4 MISCELLANEOUS DETAILS”.

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QUESTIONS AND ANSWERS

QUESTIONS ASKED AT NATIONAL GUARD ARMORY

Q: Are there any permits other than NPDES required?

A: Yes, burning permits from the Division of Forestry and WVDEP Office of Air Quality.

Q: Are there any trees out there that we have to save?

A: No. Marketable timber has been cut and is in the process of being removed. The AML Contractor will be responsible for clearing non-marketable trees, grubbing and burning the stumps, roots, limbs, trees and logs including those left behind by timber operations.

Q: Will there be a two month delay between the bid opening and when the purchase order is issued?

A: No.

Q: How many bat gates are on this project?

A: There are 55 bat gate seals on the bid sheet.

Q: Will you give us a breakdown on excavation?

A: Yes, volume sheets are attached to this addendum.

Q: Will the stone be provided to the Contractor? Does the Contractor have to purchase the stone?

A: The stone for underdrains, mine seals and access roads will be provided in the three designated stockpile areas and the Contractor does not have to purchase that stone. The Contractor will be responsible for obtaining rock riprap stone either on site, or from an off-site borrow area, or from a commercial source and the Contractor will be responsible for the cost of providing this stone. The excavation of stone will not be paid for under unclassified excavation.

QUESTIONS ASKED AT SITE 5, HIGHWALL J, STA 86+00

Q: Will the rock be usable for the non-calcareous fill against the highwall? Will the rock be sized for us.

A: Yes. On-site rock may also be used but must be sandstone and meet gradations and must meet a sodium sulfate specification. Shale shall not be used for any item requiring stone.

Q: Will the supplied rock have to have a sodium sulfate test?

A: No, but the rock riprap must meet sodium sulfate tests as outlined in this addendum.

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**Garden Ground Highwalls Phase II
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QUESTIONS ASKED AT SITE 5, HIGHWALL J, STA 4+00

Q: Is this all a refuse pile?

A: This site contains both refuse and highwall spoil.

Q: Are we going to put the super silt fence at the edge?

A: The super silt fence is to be installed just below the excavation limits as shown on the drawings.

Q: Are we allowed to take a small excavator to help put in the super silt fence?

A: Yes, some equipment will be necessary.

Q: Are all those existing rocks against the highwall have to be hammered down to less than 2 feet?

A: All material that is to be placed within the fill areas will have to be as specified or as approved by the Engineer.

QUESTIONS ASKED AT SITE 7, HIGHWALL M, ROCK STOCKPILE AREA

Q: Have we passed a bunch of portals?

A: Yes, there are numerous mine portals on each site.

Q: Will we have to clear any areas?

A: Yes. Marketable timber has been cut and is in the process of being removed. The AML Contractor will be responsible for any additional clearing and grubbing required for construction but will not be required to cut and stockpile marketable timber.

Q: If we can't get all these stumps burnt up are we going to be able to put them in the ground?

A: No, they must be burned.

QUESTIONS ASKED AT SITE 6, HIGHWALL K, STA. 30+00

Q: Does the refuse get regraded back against the highwall?

A: The sites must be regraded as shown on the cross sections.

Q: Does spoil have to be hauled in here?

A: Cut and fill balances within each site but some haulage within each site may be required.

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QUESTIONS ASKED AT SITE 6, ROCK STOCKPILE AREA

Q: Will there be a road all along the highwall when we get finished?

A: There will be a bench left in place.

Q: Will we need to bust up the concrete?

A: Yes as specified. The concrete will be placed in a designated disposal area as shown on the drawings.

Q: Who owns the bridge at the entrance of the access?

A: The bridge is on Boy Scout property.

Q: Who is responsible for the bridge if something happens to it?

A: The AML Contractor will be responsible if he causes damage to it.

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\Dwg\10056-0042-11-BASELINE-J-
SECTIONS.dwg

Alignment: SITE-5-HIGHWALL-J

Sample Line Group: SL Collection - BASELINE-J

Start Sta: 0+00.000

End Sta: 189+50.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|-----------|----------------------|------------------------|-----------------------------|-----------------------|-------------------------|---------------------------|--------------------------------|----------------------------|---------------------------|
| 0+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+50.000 | 0.00 | 0.00 | 0.00 | 29.38 | 27.20 | 0.00 | 0.00 | 27.20 | -27.20 |
| 2+00.000 | 509.38 | 471.65 | 471.65 | 831.08 | 796.72 | 471.65 | 471.65 | 823.93 | -352.27 |
| 2+50.000 | 1621.72 | 1911.58 | 1911.58 | 867.25 | 384.82 | 2383.23 | 2383.23 | 1208.74 | 1174.48 |
| 3+00.000 | 2305.75 | 4106.81 | 4106.81 | 831.28 | 260.30 | 6490.03 | 6490.03 | 1469.04 | 5020.99 |
| 3+50.000 | 2501.85 | 4918.03 | 4918.03 | 837.22 | 1003.39 | 11408.06 | 11408.06 | 2472.44 | 8935.62 |
| 4+00.000 | 2588.87 | 5284.94 | 5284.94 | 674.61 | 933.66 | 16693.00 | 16693.00 | 3406.09 | 13286.91 |
| 4+50.000 | 1313.71 | 4557.13 | 4557.13 | 569.32 | 181.15 | 21250.13 | 21250.13 | 3587.24 | 17662.89 |
| 5+00.000 | 533.46 | 1710.34 | 1710.34 | 480.29 | 971.86 | 22960.47 | 22960.47 | 4559.10 | 18401.37 |
| 5+50.000 | 1523.73 | 1904.80 | 1904.80 | 622.72 | 1021.30 | 24865.27 | 24865.27 | 5580.41 | 19284.87 |
| 6+00.000 | 2184.61 | 4263.45 | 4263.45 | 283.30 | 1642.39 | 29128.73 | 29128.73 | 7222.80 | 21905.93 |
| 6+50.000 | 2405.89 | 5199.81 | 5199.81 | 53.94 | 607.18 | 34328.54 | 34328.54 | 7829.97 | 26498.56 |
| 7+00.000 | 1851.74 | 4700.20 | 4700.20 | 204.55 | 438.54 | 39028.74 | 39028.74 | 8268.51 | 30760.23 |
| 7+50.000 | 1202.15 | 2966.55 | 2966.55 | 267.84 | 532.95 | 41995.29 | 41995.29 | 8801.46 | 33193.83 |
| 8+00.000 | 913.13 | 1958.60 | 1958.60 | 157.06 | 393.43 | 43953.88 | 43953.88 | 9194.88 | 34759.00 |
| 8+50.000 | 1149.82 | 1910.14 | 1910.14 | 199.55 | 330.19 | 45864.03 | 45864.03 | 9525.08 | 36338.95 |
| 9+00.000 | 1840.05 | 2768.40 | 2768.40 | 199.45 | 369.44 | 48632.43 | 48632.43 | 9894.52 | 38737.91 |
| 9+50.000 | 2143.12 | 3677.00 | 3677.00 | 376.55 | 370.83 | 52309.42 | 52309.42 | 10265.35 | 42044.07 |
| 10+00.000 | 1648.66 | 3281.29 | 3281.29 | 70.79 | -27.24 | 55590.72 | 55590.72 | 10238.11 | 45352.61 |
| 10+50.000 | 1028.68 | 2300.94 | 2300.94 | 388.86 | 256.40 | 57891.65 | 57891.65 | 10494.51 | 47397.14 |
| 11+00.000 | 1180.23 | 2045.29 | 2045.29 | 521.31 | 842.75 | 59936.94 | 59936.94 | 11337.26 | 48599.68 |
| 11+50.000 | 1442.90 | 2428.82 | 2428.82 | 186.87 | 655.72 | 62365.76 | 62365.76 | 11992.98 | 50372.78 |
| 12+00.000 | 750.73 | 2031.15 | 2031.15 | 598.44 | 727.14 | 64396.91 | 64396.91 | 12720.12 | 51676.79 |
| 12+50.000 | 1143.32 | 1753.76 | 1753.76 | 184.51 | 724.95 | 66150.66 | 66150.66 | 13445.07 | 52705.59 |
| 13+00.000 | 1539.74 | 2810.11 | 2810.11 | 166.08 | 588.21 | 68960.77 | 68960.77 | 14033.29 | 54927.49 |
| 13+50.000 | 1755.53 | 3264.94 | 3264.94 | 272.90 | 813.01 | 72225.71 | 72225.71 | 14846.29 | 57379.42 |
| 14+00.000 | 1432.43 | 2987.43 | 2987.43 | 441.09 | 1272.37 | 75213.14 | 75213.14 | 16118.67 | 59094.47 |
| 14+50.000 | 1138.58 | 2379.57 | 2379.57 | 546.36 | 997.49 | 77592.71 | 77592.71 | 17116.15 | 60476.56 |
| 15+00.000 | 1201.94 | 2156.63 | 2156.63 | 413.52 | 827.23 | 79749.34 | 79749.34 | 17943.39 | 61805.95 |

| | | | | | | | | | |
|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| | | 2047.10 | 2047.10 | 1917.26 | 1585.09 | 226220.92 | 226220.92 | 222529.58 | 3691.34 |
| 58+00.000 | 553.88 | 1427.54 | 1427.54 | 2154.91 | 2674.54 | 227648.46 | 227648.46 | 225204.13 | 2444.34 |
| 58+50.000 | 724.67 | 1183.85 | 1183.85 | 1616.93 | 3492.44 | 228832.31 | 228832.31 | 228696.57 | 135.74 |
| 59+00.000 | 722.11 | 1361.14 | 1361.14 | 1576.97 | 3213.84 | 230193.45 | 230193.45 | 231910.41 | -1716.96 |
| 59+50.000 | 759.05 | 1371.45 | 1371.45 | 2104.04 | 3408.34 | 231564.90 | 231564.90 | 235318.75 | -3753.85 |
| 60+00.000 | 509.50 | 1204.53 | 1204.53 | 1423.46 | 3767.43 | 232769.43 | 232769.43 | 239086.17 | -6316.75 |
| 60+50.000 | 823.66 | 1299.69 | 1299.69 | 1403.72 | 3553.94 | 234069.12 | 234069.12 | 242640.11 | -8570.99 |
| 61+00.000 | 1021.11 | 1708.12 | 1708.12 | 1159.81 | 2373.65 | 235777.24 | 235777.24 | 245013.76 | -9236.52 |
| 61+50.000 | 1117.79 | 1980.46 | 1980.46 | 1489.31 | 2452.89 | 237757.69 | 237757.69 | 247466.65 | -9708.95 |
| 62+00.000 | 755.79 | 1734.80 | 1734.80 | 1387.15 | 2663.39 | 239492.49 | 239492.49 | 250130.04 | 10637.55 |
| 62+50.000 | 178.82 | 852.53 | 852.53 | 792.32 | 1861.72 | 240345.02 | 240345.02 | 251991.76 | 11646.74 |
| 63+00.000 | 544.49 | 681.14 | 681.14 | 684.20 | 1546.83 | 241026.16 | 241026.16 | 253538.59 | 12512.43 |
| 63+50.000 | 329.09 | 823.12 | 823.12 | 1591.94 | 2653.79 | 241849.28 | 241849.28 | 256192.38 | 14343.10 |
| 64+00.000 | 346.53 | 620.36 | 620.36 | 2116.11 | 2550.21 | 242469.64 | 242469.64 | 258742.60 | 16272.96 |
| 64+50.000 | 591.59 | 858.20 | 858.20 | 1763.78 | 2906.58 | 243327.84 | 243327.84 | 261649.17 | 18321.34 |
| 65+00.000 | 260.09 | 779.03 | 779.03 | 1544.09 | 2582.09 | 244106.87 | 244106.87 | 264231.26 | 20124.39 |
| 65+50.000 | 281.93 | 487.01 | 487.01 | 472.14 | 1667.51 | 244593.88 | 244593.88 | 265898.77 | 21304.90 |
| 66+00.000 | 394.67 | 568.55 | 568.55 | 342.12 | 537.95 | 245162.42 | 245162.42 | 266436.73 | 21274.30 |
| 66+50.000 | 326.82 | 668.05 | 668.05 | 28.05 | 342.75 | 245830.47 | 245830.47 | 266779.48 | 20949.01 |
| 67+00.000 | 177.72 | 467.17 | 467.17 | 557.50 | 542.18 | 246297.64 | 246297.64 | 267321.65 | 21024.01 |
| 67+50.000 | 230.52 | 378.00 | 378.00 | 607.02 | 1078.26 | 246675.64 | 246675.64 | 268399.91 | 21724.27 |
| 68+00.000 | 294.00 | 485.66 | 485.66 | 405.23 | 937.27 | 247161.30 | 247161.30 | 269337.18 | 22175.88 |
| 68+50.000 | 284.25 | 535.41 | 535.41 | 433.64 | 776.73 | 247696.72 | 247696.72 | 270113.92 | 22417.20 |
| 69+00.000 | 286.08 | 442.50 | 442.50 | 451.85 | 520.05 | 248139.22 | 248139.22 | 270633.96 | 22494.74 |
| 69+50.000 | 92.48 | 255.70 | 255.70 | 483.84 | 624.73 | 248394.92 | 248394.92 | 271258.69 | 22863.77 |
| 70+00.000 | 63.24 | 220.48 | 220.48 | 425.17 | 1099.67 | 248615.39 | 248615.39 | 272358.36 | 23742.96 |
| 70+50.000 | 200.94 | 276.78 | 276.78 | 426.83 | 1107.66 | 248892.17 | 248892.17 | 273466.01 | 24573.84 |
| 71+00.000 | 361.14 | 546.92 | 546.92 | 104.86 | 672.14 | 249439.09 | 249439.09 | 274138.15 | 24699.06 |
| 71+50.000 | 415.37 | 727.38 | 727.38 | 297.37 | 412.57 | 250166.47 | 250166.47 | 274550.72 | 24384.25 |

| | | | | | | | | | |
|------------|--------|---------|---------|--------|--------|-----------|-----------|-----------|----------|
| 84+50.000 | 186.89 | 490.18 | 490.18 | 0.00 | 0.00 | 266851.54 | 266851.54 | 282219.45 | 15367.91 |
| 85+00.000 | 240.46 | 395.57 | 395.57 | 0.00 | 0.01 | 267247.11 | 267247.11 | 282219.46 | 14972.35 |
| 85+50.000 | 258.60 | 466.29 | 466.29 | 0.00 | 0.00 | 267713.41 | 267713.41 | 282219.47 | 14506.07 |
| 86+00.000 | 134.04 | 354.85 | 354.85 | 28.22 | 29.53 | 268068.26 | 268068.26 | 282249.01 | 14180.75 |
| 86+50.000 | 197.05 | 264.11 | 264.11 | 0.00 | 29.53 | 268332.36 | 268332.36 | 282278.54 | 13946.18 |
| 87+00.000 | 208.12 | 359.42 | 359.42 | 0.00 | 0.00 | 268691.78 | 268691.78 | 282278.54 | 13586.76 |
| 87+50.000 | 127.06 | 282.02 | 282.02 | 0.00 | 0.00 | 268973.80 | 268973.80 | 282278.54 | 13304.74 |
| 88+00.000 | 131.06 | 217.85 | 217.85 | 4.56 | 4.18 | 269191.66 | 269191.66 | 282282.73 | 13091.07 |
| 88+50.000 | 302.44 | 401.39 | 401.39 | 0.00 | 4.22 | 269593.05 | 269593.05 | 282286.95 | 12693.90 |
| 89+00.000 | 156.84 | 425.26 | 425.26 | 0.00 | 0.00 | 270018.31 | 270018.31 | 282286.95 | 12268.64 |
| 89+50.000 | 77.87 | 211.24 | 211.24 | 0.24 | 0.22 | 270229.54 | 270229.54 | 282287.17 | 12057.62 |
| 90+00.000 | 73.29 | 136.38 | 136.38 | 1.84 | 1.95 | 270365.93 | 270365.93 | 282289.12 | 11923.19 |
| 90+50.000 | 223.23 | 274.55 | 274.55 | 0.00 | 1.71 | 270640.48 | 270640.48 | 282290.82 | 11650.35 |
| 91+00.000 | 541.16 | 707.77 | 707.77 | 0.00 | 0.00 | 271348.24 | 271348.24 | 282290.82 | 10942.58 |
| 91+50.000 | 329.08 | 805.78 | 805.78 | 6.43 | 5.95 | 272154.02 | 272154.02 | 282296.77 | 10142.75 |
| 92+00.000 | 267.99 | 649.46 | 649.46 | 5.24 | 10.41 | 272803.48 | 272803.48 | 282307.18 | -9503.69 |
| 92+50.000 | 253.68 | 570.67 | 570.67 | 6.17 | 10.44 | 273374.15 | 273374.15 | 282317.62 | -8943.47 |
| 93+00.000 | 281.28 | 583.59 | 583.59 | 62.51 | 62.70 | 273957.74 | 273957.74 | 282380.32 | -8422.58 |
| 93+50.000 | 360.00 | 840.66 | 840.66 | 28.51 | 81.22 | 274798.40 | 274798.40 | 282461.54 | -7663.14 |
| 94+00.000 | 262.09 | 613.07 | 613.07 | 91.57 | 110.43 | 275411.46 | 275411.46 | 282571.97 | -7160.51 |
| 94+50.000 | 123.46 | 317.58 | 317.58 | 46.64 | 128.92 | 275729.04 | 275729.04 | 282700.89 | -6971.86 |
| 95+00.000 | 306.60 | 340.06 | 340.06 | 0.00 | 43.14 | 276069.10 | 276069.10 | 282744.04 | -6674.94 |
| 95+50.000 | 196.97 | 435.96 | 435.96 | 46.01 | 42.51 | 276505.06 | 276505.06 | 282786.54 | -6281.49 |
| 96+00.000 | 550.01 | 691.65 | 691.65 | 0.00 | 42.60 | 277196.70 | 277196.70 | 282829.15 | -5632.44 |
| 96+50.000 | 477.12 | 951.05 | 951.05 | 0.00 | 0.00 | 278147.76 | 278147.76 | 282829.15 | -4681.39 |
| 97+00.000 | 419.81 | 830.50 | 830.50 | 1.44 | 1.33 | 278978.26 | 278978.26 | 282830.47 | -3852.22 |
| 97+50.000 | 492.26 | 759.92 | 759.92 | 0.02 | 0.85 | 279738.17 | 279738.17 | 282831.33 | -3093.15 |
| 98+00.000 | 356.59 | 690.35 | 690.35 | 0.00 | 0.00 | 280428.53 | 280428.53 | 282831.34 | -2402.81 |
| 98+50.000 | 394.19 | 647.47 | 647.47 | 31.78 | 23.56 | 281076.00 | 281076.00 | 282854.90 | -1778.90 |
| 99+00.000 | 497.16 | 825.32 | 825.32 | 10.94 | 39.56 | 281901.32 | 281901.32 | 282894.45 | -993.13 |
| 99+50.000 | 535.83 | 956.47 | 956.47 | 51.26 | 57.59 | 282857.79 | 282857.79 | 282952.05 | -94.25 |
| 100+00.000 | 425.18 | 889.82 | 889.82 | 143.36 | 180.20 | 283747.62 | 283747.62 | 283132.25 | 615.37 |
| 100+50.000 | 679.45 | 1145.75 | 1145.75 | 206.10 | 447.14 | 284893.37 | 284893.37 | 283579.39 | 1313.98 |

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|------------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| | | 964.67 | 964.67 | 1533.13 | 1540.47 | 467002.53 | 467002.53 | 472531.73 | -5529.20 |
| 143+50.000 | 517.47 | 880.47 | 880.47 | 1207.46 | 442.26 | 467883.00 | 467883.00 | 472973.99 | -5090.99 |
| 144+00.000 | 452.54 | 880.65 | 880.65 | 1500.56 | 1635.86 | 468763.65 | 468763.65 | 474609.85 | -5846.20 |
| 144+50.000 | 505.10 | 886.71 | 886.71 | 1300.13 | 2593.24 | 469650.36 | 469650.36 | 477203.08 | -7552.73 |
| 145+00.000 | 729.86 | 1164.23 | 1164.23 | 1060.45 | 2512.07 | 470814.58 | 470814.58 | 479715.15 | -8900.56 |
| 145+50.000 | 1706.24 | 2529.86 | 2529.86 | 973.99 | 2920.97 | 473344.44 | 473344.44 | 482636.12 | -9291.68 |
| 146+00.000 | 1235.55 | 2828.52 | 2828.52 | 1521.68 | 2792.09 | 476172.96 | 476172.96 | 485428.21 | -9255.24 |
| 146+50.000 | 1684.09 | 2649.45 | 2649.45 | 2108.17 | 2873.12 | 478822.41 | 478822.41 | 488301.32 | -9478.91 |
| 147+00.000 | 2371.46 | 3564.63 | 3564.63 | 1975.54 | 2675.53 | 482387.04 | 482387.04 | 490976.85 | -8589.81 |
| 147+50.000 | 2352.54 | 4374.08 | 4374.08 | 1868.24 | 3559.06 | 486761.12 | 486761.12 | 494535.92 | -7774.80 |
| 148+00.000 | 2596.51 | 4495.51 | 4495.51 | 1594.71 | 2903.46 | 491256.63 | 491256.63 | 497439.37 | -6182.75 |
| 148+50.000 | 2807.10 | 4181.34 | 4181.34 | 1525.41 | 713.97 | 495437.96 | 495437.96 | 498153.35 | -2715.39 |
| 149+00.000 | 2660.28 | 4584.39 | 4584.39 | 1529.60 | 1601.48 | 500022.35 | 500022.35 | 499754.83 | 267.52 |
| 149+50.000 | 2615.65 | 4885.12 | 4885.12 | 2326.52 | 3570.49 | 504907.47 | 504907.47 | 503325.32 | 1582.16 |
| 150+00.000 | 2320.57 | 4570.58 | 4570.58 | 3083.98 | 5009.72 | 509478.05 | 509478.05 | 508335.04 | 1143.01 |
| 150+50.000 | 2248.76 | 4004.43 | 4004.43 | 3122.17 | 2785.24 | 513482.48 | 513482.48 | 511120.28 | 2362.21 |
| 151+00.000 | 1898.07 | 3743.31 | 3743.31 | 3424.27 | 3047.87 | 517225.79 | 517225.79 | 514168.15 | 3057.65 |
| 151+50.000 | 1936.55 | 3550.57 | 3550.57 | 2555.02 | 5536.39 | 520776.37 | 520776.37 | 519704.53 | 1071.83 |
| 152+00.000 | 2461.30 | 4072.08 | 4072.08 | 2144.52 | 4351.43 | 524848.45 | 524848.45 | 524055.96 | 792.49 |
| 152+50.000 | 1896.68 | 4035.17 | 4035.17 | 1884.19 | 3730.28 | 528883.62 | 528883.62 | 527786.24 | 1097.38 |
| 153+00.000 | 2591.62 | 4100.31 | 4100.31 | 2136.01 | 3457.20 | 532983.93 | 532983.93 | 531243.44 | 1740.48 |
| 153+50.000 | 3028.75 | 4934.42 | 4934.42 | 2424.06 | 2876.83 | 537918.35 | 537918.35 | 534120.27 | 3798.08 |
| 154+00.000 | 2884.08 | 5248.24 | 5248.24 | 2760.03 | 3268.35 | 543166.60 | 543166.60 | 537388.62 | 5777.98 |
| 154+50.000 | 2979.66 | 5347.74 | 5347.74 | 2336.72 | 4272.33 | 548514.34 | 548514.34 | 541660.94 | 6853.39 |
| 155+00.000 | 2037.69 | 4645.70 | 4645.70 | 1832.92 | 3860.78 | 553160.03 | 553160.03 | 545521.73 | 7638.31 |
| 155+50.000 | 2540.59 | 4735.37 | 4735.37 | 1796.20 | 6955.67 | 557895.41 | 557895.41 | 552477.39 | 5418.01 |
| 156+00.000 | 1118.67 | 3552.20 | 3552.20 | 0.00 | 3509.85 | 561447.61 | 561447.61 | 555987.24 | 5460.37 |
| 156+50.000 | 733.51 | 1264.66 | 1264.66 | 0.00 | 0.00 | 562712.28 | 562712.28 | 555987.24 | 6725.03 |
| 157+00.000 | 139.42 | 640.61 | 640.61 | 2653.90 | 4675.39 | 563352.88 | 563352.88 | 560662.63 | 2690.26 |
| 157+50.000 | 105.51 | 231.21 | 231.21 | 1777.85 | 5789.62 | 563584.10 | 563584.10 | 566452.25 | -2868.15 |
| 158+00.000 | 119.16 | 206.24 | 206.24 | 2098.06 | 3380.71 | 563790.33 | 563790.33 | 569832.95 | -6042.62 |
| 158+50.000 | 332.01 | 371.55 | 371.55 | 2189.61 | 3173.23 | 564161.88 | 564161.88 | 573006.18 | -8844.30 |
| 159+00.000 | 999.24 | 1126.53 | 1126.53 | 2687.64 | 3404.30 | 565288.41 | 565288.41 | 576410.49 | 11122.08 |
| 159+50.000 | 1521.81 | 2281.39 | 2281.39 | 2472.53 | 4337.11 | 567569.80 | 567569.80 | 580747.60 | 13177.80 |
| 160+00.000 | 1690.85 | 2974.69 | 2974.69 | 1837.62 | 3990.87 | 570544.49 | 570544.49 | 584738.48 | 14193.98 |
| 160+50.000 | 1699.34 | 3012.81 | 3012.81 | 2222.03 | 2483.08 | 573557.30 | 573557.30 | 587221.55 | 13664.25 |
| 161+00.000 | 2132.52 | 3172.86 | 3172.86 | 1877.28 | 841.39 | 576730.16 | 576730.16 | 588062.94 | 11332.78 |
| 161+50.000 | 3105.29 | 4401.36 | 4401.36 | 2479.66 | 2081.83 | 581131.53 | 581131.53 | 590144.77 | -9013.24 |
| 162+00.000 | 2662.57 | 5161.32 | 5161.32 | 2886.76 | 4046.32 | 586292.85 | 586292.85 | 594191.09 | -7898.24 |

| | | | | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| | | 2312.10 | 2312.10 | 1669.19 | 2672.68 | 777625.82 | 777625.82 | 688435.58 | 89190.24 |
| 184+00.000 | 825.41 | 1807.12 | 1807.12 | 1060.92 | 2527.88 | 779432.95 | 779432.95 | 690963.46 | 88469.49 |
| 184+50.000 | 889.20 | 1587.60 | 1587.60 | 1341.05 | 2224.05 | 781020.55 | 781020.55 | 693187.51 | 87833.04 |
| 185+00.000 | 969.08 | 1720.63 | 1720.63 | 1555.15 | 2681.67 | 782741.18 | 782741.18 | 695869.18 | 86872.00 |
| 185+50.000 | 1040.79 | 1860.99 | 1860.99 | 1550.91 | 2875.98 | 784602.17 | 784602.17 | 698745.16 | 85857.00 |
| 186+00.000 | 1291.70 | 2159.71 | 2159.71 | 925.66 | 2293.12 | 786761.87 | 786761.87 | 701038.28 | 85723.59 |
| 186+50.000 | 1254.12 | 2525.22 | 2525.22 | 11.60 | 1144.55 | 789287.09 | 789287.09 | 702182.83 | 87104.26 |
| 187+00.000 | 1335.89 | 2983.23 | 2983.23 | 39.32 | 101.88 | 792270.33 | 792270.33 | 702284.71 | 89985.62 |
| 187+50.000 | 689.87 | 2063.64 | 2063.64 | 264.93 | 530.89 | 794333.97 | 794333.97 | 702815.60 | 91518.37 |
| 188+00.000 | 412.54 | 1020.75 | 1020.75 | 176.02 | 408.29 | 795354.72 | 795354.72 | 703223.89 | 92130.82 |
| 188+50.000 | 314.24 | 807.54 | 807.54 | 33.83 | 351.24 | 796162.26 | 796162.26 | 703575.13 | 92587.12 |
| 189+00.000 | 0.00 | 290.96 | 290.96 | 0.00 | 31.33 | 796453.22 | 796453.22 | 703606.46 | 92846.76 |
| 189+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 796453.22 | 796453.22 | 703606.46 | 92846.76 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\Dwg\10056-0042-11-BASELINE-J-
SECTIONS.dwg

Alignment: SITE-5-HIGHWALL-J1

Sample Line Group: SL Collection - BASELINE-J1

Start Sta: 0+00.000

End Sta: 3+00.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 1832.32 | 0.00 | 0.00 | 457.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 1428.96 | 3019.71 | 3019.71 | 2835.49 | 3048.81 | 3019.71 | 3019.71 | 3048.81 | -29.10 |
| 1+00.000 | 441.09 | 1731.53 | 1731.53 | 3176.65 | 5566.80 | 4751.24 | 4751.24 | 8615.61 | -3864.36 |
| 1+50.000 | 463.67 | 837.75 | 837.75 | 3277.21 | 5975.79 | 5588.99 | 5588.99 | 14591.40 | -9002.41 |
| 2+00.000 | 667.68 | 1047.55 | 1047.55 | 1519.57 | 4441.46 | 6636.54 | 6636.54 | 19032.86 | -12396.32 |
| 2+50.000 | 0.00 | 618.23 | 618.23 | 0.00 | 1407.01 | 7254.77 | 7254.77 | 20439.87 | -13185.11 |
| 3+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7254.77 | 7254.77 | 20439.87 | -13185.11 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\Dwg\10056-0042-11-BASELINE-J-
SECTIONS.dwg

Alignment: SITE-5-HIGHWALL-J2

Sample Line Group: SL Collection - BASELINE-J2

Start Sta: 0+00.000

End Sta: 3+00.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 2994.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 2213.08 | 4822.01 | 4822.01 | 1277.00 | 1182.41 | 4822.01 | 4822.01 | 1182.41 | 3639.60 |
| 1+00.000 | 1306.15 | 3258.55 | 3258.55 | 3077.41 | 4031.86 | 8080.56 | 8080.56 | 5214.27 | 2866.28 |
| 1+50.000 | 56.83 | 1262.02 | 1262.02 | 2130.61 | 4822.25 | 9342.57 | 9342.57 | 10036.52 | -693.95 |
| 2+00.000 | 0.10 | 52.71 | 52.71 | 1257.81 | 3137.43 | 9395.29 | 9395.29 | 13173.95 | - 3778.66 |
| 2+50.000 | 0.08 | 0.16 | 0.16 | 97.69 | 1255.09 | 9395.45 | 9395.45 | 14429.04 | - 5033.59 |
| 3+00.000 | 0.00 | 0.07 | 0.07 | 0.00 | 90.45 | 9395.52 | 9395.52 | 14519.49 | - 5123.97 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\DWg\10056-0042-11-BASELINE-J-
SECTIONS.dwg

Alignment: SITE-5-HIGHWALL-J3

Sample Line Group: SL Collection - BASELINE-J3

Start Sta: 0+00.000

End Sta: 2+50.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 2804.78 | 0.00 | 0.00 | 47.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 1567.62 | 4048.51 | 4048.51 | 1885.17 | 1789.91 | 4048.51 | 4048.51 | 1789.91 | 2258.60 |
| 1+00.000 | 1099.77 | 2469.81 | 2469.81 | 2483.14 | 4044.72 | 6518.32 | 6518.32 | 5834.64 | 683.68 |
| 1+50.000 | 3.20 | 1021.27 | 1021.27 | 2973.41 | 5052.35 | 7539.59 | 7539.59 | 10886.99 | - |
| 2+00.000 | 0.63 | 3.54 | 3.54 | 555.23 | 3267.25 | 7543.13 | 7543.13 | 14154.25 | 6611.12 |
| 2+50.000 | 0.00 | 0.58 | 0.58 | 0.00 | 514.10 | 7543.71 | 7543.71 | 14668.35 | 7124.64 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\Drawg\10056-0042-11-BASELINE-J-
SECTIONS.dwg

Alignment: SITE-5-HIGHWALL-J5

Sample Line Group: SL Collection - BASELINE-J5

Start Sta: 0+00.000

End Sta: 1+50.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 716.54 | 0.00 | 0.00 | 229.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 538.01 | 1161.62 | 1161.62 | 657.15 | 821.06 | 1161.62 | 1161.62 | 821.06 | 340.56 |
| 1+00.000 | 22.07 | 518.59 | 518.59 | 0.12 | 608.58 | 1680.22 | 1680.22 | 1429.65 | 250.57 |
| 1+50.000 | 0.00 | 20.44 | 20.44 | 0.00 | 0.11 | 1700.66 | 1700.66 | 1429.76 | 270.90 |

Volume Report

Project: T:\Project Arrow\DWG\Production
 Drawings\Highway\09056-0039-GARDEN GROUND
 HIGHWALLS\PHASE-2\Dwg\10056-0042-08-BASELINE-K-
 SECTIONS.dwg

Alignment: SITE-6-HIGHWALL-K
 Sample Line Group: SL Collection - 5
 Start Sta: 0+00.000
 End Sta: 36+00.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|-----------|----------------------|------------------------|-----------------------------|-----------------------|-------------------------|---------------------------|--------------------------------|----------------------------|---------------------------|
| 0+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+50.000 | 1152.70 | 1067.32 | 1067.32 | 70.43 | 65.21 | 1067.32 | 1067.32 | 65.21 | 1002.10 |
| 2+00.000 | 1940.33 | 2863.92 | 2863.92 | 1050.87 | 1038.24 | 3931.24 | 3931.24 | 1103.46 | 2827.78 |
| 2+50.000 | 2684.46 | 4282.21 | 4282.21 | 1910.41 | 2741.93 | 8213.44 | 8213.44 | 3845.38 | 4368.06 |
| 3+00.000 | 1815.62 | 4340.26 | 4340.26 | 2495.09 | 3649.24 | 12553.70 | 12553.70 | 7494.62 | 5059.08 |
| 3+50.000 | 1506.93 | 3430.98 | 3430.98 | 1990.46 | 2930.93 | 15984.68 | 15984.68 | 10425.56 | 5559.13 |
| 4+00.000 | 812.04 | 2147.20 | 2147.20 | 2018.60 | 3712.10 | 18131.88 | 18131.88 | 14137.66 | 3994.22 |
| 4+50.000 | 1244.97 | 1986.66 | 1986.66 | 1852.34 | 1728.22 | 20118.54 | 20118.54 | 15865.88 | 4252.67 |
| 5+00.000 | 1730.82 | 3888.03 | 3888.03 | 761.78 | 76.94 | 24006.57 | 24006.57 | 15942.82 | 8063.76 |
| 5+50.000 | 1297.33 | 3117.26 | 3117.26 | 1854.19 | 1959.37 | 27123.83 | 27123.83 | 17902.19 | 9221.65 |
| 6+00.000 | 1250.04 | 2662.97 | 2662.97 | 1527.21 | 2137.15 | 29786.80 | 29786.80 | 20039.33 | 9747.47 |
| 6+50.000 | 1528.06 | 2766.16 | 2766.16 | 1510.59 | 2365.92 | 32552.97 | 32552.97 | 22405.25 | 10147.71 |
| 7+00.000 | 1527.69 | 2829.40 | 2829.40 | 1349.96 | 2648.65 | 35382.36 | 35382.36 | 25053.91 | 10328.46 |
| 7+50.000 | 1147.80 | 2809.56 | 2809.56 | 1770.15 | 2331.58 | 38191.92 | 38191.92 | 27385.49 | 10806.43 |
| 8+00.000 | 571.84 | 1800.63 | 1800.63 | 1592.55 | 2582.55 | 39992.55 | 39992.55 | 29968.03 | 10024.52 |
| 8+50.000 | 1384.41 | 2163.82 | 2163.82 | 1572.57 | 2133.72 | 42156.37 | 42156.37 | 32101.75 | 10054.62 |
| 9+00.000 | 1104.87 | 2877.80 | 2877.80 | 1366.31 | 1574.70 | 45034.17 | 45034.17 | 33676.45 | 11357.72 |
| 9+50.000 | 754.46 | 1721.59 | 1721.59 | 1631.65 | 2775.89 | 46755.76 | 46755.76 | 36452.34 | 10303.43 |
| 10+00.000 | 976.87 | 1603.08 | 1603.08 | 1385.66 | 2793.81 | 48358.84 | 48358.84 | 39246.15 | 9112.69 |
| 10+50.000 | 1519.64 | 2311.58 | 2311.58 | 1835.16 | 2982.24 | 50670.42 | 50670.42 | 42228.39 | 8442.03 |
| 11+00.000 | 968.73 | 2304.04 | 2304.04 | 1627.35 | 3206.03 | 52974.46 | 52974.46 | 45434.42 | 7540.05 |
| 11+50.000 | 761.73 | 1592.49 | 1592.49 | 1697.80 | 1650.51 | 54566.95 | 54566.95 | 47084.92 | 7482.03 |
| 12+00.000 | 736.93 | 1241.02 | 1241.02 | 1628.43 | 757.19 | 55807.97 | 55807.97 | 47842.12 | 7965.85 |
| 12+50.000 | 501.78 | 968.54 | 968.54 | 799.83 | 111.61 | 56776.50 | 56776.50 | 47953.73 | 8822.78 |

| | | | | | | | | | |
|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| 13+00.000 | 252.46 | 618.21 | 618.21 | 1214.96 | 542.32 | 57394.71 | 57394.71 | 48496.04 | 8898.67 |
| 13+50.000 | 85.08 | 322.30 | 322.30 | 2706.69 | 4761.04 | 57717.01 | 57717.01 | 53257.08 | 4459.93 |
| 14+00.000 | 302.95 | 410.15 | 410.15 | 1666.43 | 5017.71 | 58127.16 | 58127.16 | 58274.79 | -147.64 |
| 14+50.000 | 1026.11 | 1230.62 | 1230.62 | 437.27 | 1947.87 | 59357.77 | 59357.77 | 60222.67 | -864.89 |
| 15+00.000 | 483.85 | 1398.12 | 1398.12 | 1109.50 | 1432.20 | 60755.89 | 60755.89 | 61654.86 | -898.97 |
| 15+50.000 | 816.61 | 1204.13 | 1204.13 | 979.69 | 1934.44 | 61960.03 | 61960.03 | 63589.30 | -1629.28 |
| 16+00.000 | 57.63 | 400.56 | 400.56 | 1193.00 | 2024.42 | 62360.59 | 62360.59 | 65613.73 | -3253.14 |
| 16+50.000 | 13.22 | 4.97 | 4.97 | 495.07 | 1405.27 | 62365.56 | 62365.56 | 67018.99 | -4653.43 |
| 17+00.000 | 0.54 | -2.71 | -2.71 | 223.06 | 447.03 | 62362.85 | 62362.85 | 67466.03 | -5103.18 |
| 17+50.000 | 38.40 | 35.33 | 35.33 | 149.44 | 304.26 | 62398.18 | 62398.18 | 67770.29 | -5372.11 |
| 18+00.000 | 255.76 | 291.16 | 291.16 | 418.93 | 587.34 | 62689.34 | 62689.34 | 68357.64 | -5668.29 |
| 18+50.000 | 288.17 | 541.12 | 541.12 | 951.42 | 1667.01 | 63230.46 | 63230.46 | 70024.65 | -6794.19 |
| 19+00.000 | 504.66 | 734.11 | 734.11 | 339.63 | 1195.42 | 63964.57 | 63964.57 | 71220.07 | -7255.50 |
| 19+50.000 | 620.10 | 959.74 | 959.74 | 211.63 | 505.19 | 64924.31 | 64924.31 | 71725.25 | -6800.94 |
| 20+00.000 | 474.51 | 855.68 | 855.68 | 23.95 | 227.55 | 65780.00 | 65780.00 | 71952.80 | -6172.81 |
| 20+50.000 | 488.32 | 803.86 | 803.86 | 0.00 | 16.48 | 66583.85 | 66583.85 | 71969.28 | -5385.43 |
| 21+00.000 | 519.05 | 915.96 | 915.96 | 0.00 | 0.00 | 67499.81 | 67499.81 | 71969.28 | -4469.47 |
| 21+50.000 | 508.29 | 856.85 | 856.85 | 72.02 | 46.34 | 68356.66 | 68356.66 | 72015.63 | -3658.96 |
| 22+00.000 | 913.61 | 1316.57 | 1316.57 | 387.56 | 425.54 | 69673.24 | 69673.24 | 72441.16 | -2767.92 |
| 22+50.000 | 1475.01 | 2211.68 | 2211.68 | 811.68 | 1110.40 | 71884.92 | 71884.92 | 73551.56 | -1666.65 |
| 23+00.000 | 1659.38 | 2902.21 | 2902.21 | 943.70 | 1625.35 | 74787.13 | 74787.13 | 75176.92 | -389.79 |
| 23+50.000 | 1673.51 | 2990.42 | 2990.42 | 1934.57 | 2481.48 | 77777.55 | 77777.55 | 77658.39 | 119.16 |
| 24+00.000 | 2679.95 | 4030.99 | 4030.99 | 1779.10 | 3438.58 | 81808.54 | 81808.54 | 81096.97 | 711.57 |
| 24+50.000 | 3951.87 | 6140.57 | 6140.57 | 1392.41 | 2936.58 | 87949.12 | 87949.12 | 84033.55 | 3915.56 |
| 25+00.000 | 4136.70 | 7489.41 | 7489.41 | 893.07 | 2116.19 | 95438.53 | 95438.53 | 86149.74 | 9288.79 |
| 25+50.000 | 3310.07 | 6895.16 | 6895.16 | 1096.74 | 1842.42 | 102333.69 | 102333.69 | 87992.16 | 14341.53 |
| 26+00.000 | 2017.15 | 6536.25 | 6536.25 | 1273.20 | 3123.90 | 108869.94 | 108869.94 | 91116.06 | 17753.87 |
| 26+50.000 | 1154.85 | 3358.27 | 3358.27 | 1638.74 | 3059.75 | 112228.21 | 112228.21 | 94175.82 | 18052.39 |
| 27+00.000 | 469.36 | 1688.97 | 1688.97 | 2203.33 | 4153.24 | 113917.18 | 113917.18 | 98329.06 | 15588.12 |
| 27+50.000 | 164.23 | 694.07 | 694.07 | 3018.18 | 7943.47 | 114611.25 | 114611.25 | 106272.52 | 8338.73 |
| 28+00.000 | 759.74 | 855.53 | 855.53 | 1772.92 | 4436.20 | 115466.79 | 115466.79 | 110708.73 | 4758.06 |
| 28+50.000 | 1814.09 | 2970.10 | 2970.10 | 923.12 | 364.22 | 118436.89 | 118436.89 | 111072.95 | 7363.94 |
| 29+00.000 | 2196.48 | 4976.62 | 4976.62 | 928.03 | 299.39 | 123413.51 | 123413.51 | 111372.34 | 12041.16 |
| 29+50.000 | 1378.09 | 4414.70 | 4414.70 | 980.29 | 458.21 | 127828.20 | 127828.20 | 111830.55 | 15997.65 |
| 30+00.000 | 431.28 | 1957.23 | 1957.23 | 776.23 | 902.83 | 129785.43 | 129785.43 | 112733.37 | 17052.05 |
| 30+50.000 | 503.17 | 916.63 | 916.63 | 412.93 | 1120.66 | 130702.05 | 130702.05 | 113854.03 | 16848.02 |
| 31+00.000 | 316.34 | 919.64 | 919.64 | 462.85 | 213.17 | 131621.69 | 131621.69 | 114067.20 | 17554.49 |
| 31+50.000 | 220.66 | 548.62 | 548.62 | 515.70 | 381.41 | 132170.31 | 132170.31 | 114448.61 | 17721.70 |
| 32+00.000 | 261.56 | 427.53 | 427.53 | 520.33 | 525.66 | 132597.84 | 132597.84 | 114974.27 | 17623.57 |
| 32+50.000 | 589.33 | 758.05 | 758.05 | 221.93 | 488.29 | 133355.89 | 133355.89 | 115462.55 | 17893.33 |

| | | | | | | | | | |
|-----------|---------|---------|---------|--------|---------|-----------|-----------|-----------|----------|
| 33+00.000 | 1021.29 | 1491.32 | 1491.32 | 358.13 | 537.09 | 134847.20 | 134847.20 | 115999.65 | 18847.56 |
| 33+50.000 | 1189.64 | 2167.22 | 2167.22 | 311.15 | 1097.83 | 137014.43 | 137014.43 | 117097.48 | 19916.95 |
| 34+00.000 | 596.44 | 1884.11 | 1884.11 | 131.96 | 758.86 | 138898.54 | 138898.54 | 117856.34 | 21042.20 |
| 34+50.000 | 379.11 | 1048.49 | 1048.49 | 0.33 | 186.39 | 139947.03 | 139947.03 | 118042.73 | 21904.30 |
| 35+00.000 | 0.00 | 351.03 | 351.03 | 0.00 | 0.31 | 140298.06 | 140298.06 | 118043.03 | 22255.03 |
| 35+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 140298.06 | 140298.06 | 118043.03 | 22255.03 |
| 36+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 140298.06 | 140298.06 | 118043.03 | 22255.03 |

Volume Report

Project: T:\Project Arrow\DWG\Production
 Drawings\Highway\09056-0039-GARDEN GROUND
 HIGHWALLS\PHASE-2\Dwg\10056-0042-08-BASELINE-K-
 SECTIONS.dwg

Alignment: SITE-6-HIGHWALL-K1
 Sample Line Group: SL Collection - 6
 Start Sta: 0+00.000
 End Sta: 1+50.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|----------|----------------------|------------------------|-----------------------------|-----------------------|-------------------------|---------------------------|--------------------------------|----------------------------|---------------------------|
| 0+00.000 | 40.58 | 0.00 | 0.00 | 1433.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 179.57 | 203.84 | 203.84 | 948.54 | 2205.24 | 203.84 | 203.84 | 2205.24 | 2001.39 |
| 1+00.000 | 162.45 | 316.68 | 316.68 | 158.84 | 1025.35 | 520.52 | 520.52 | 3230.59 | 2710.07 |
| 1+50.000 | 0.00 | 150.42 | 150.42 | 0.00 | 147.07 | 670.94 | 670.94 | 3377.67 | 2706.73 |

Volume Report

Project: C:\Users\earl.oldham\desktop\autosave\10056-0042-12-BASELINE-L-

SECTIONS_1_1_1478.sv\$

Alignment: SITE-7-HIGHWALL-L

Sample Line Group: SL Collection - 5 BASELINE-L

Start Sta: 0+50.000

End Sta: 124+50.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|-----------|----------------------|------------------------|-----------------------------|-----------------------|-------------------------|---------------------------|--------------------------------|----------------------------|---------------------------|
| 0+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5+50.000 | 0.33 | 0.29 | 0.29 | 295.22 | 251.53 | 0.29 | 0.29 | 251.53 | -251.24 |
| 6+00.000 | 1062.56 | 1194.83 | 1194.83 | 1317.70 | 3160.01 | 1195.12 | 1195.12 | 3411.54 | -2216.42 |
| 6+50.000 | 1185.29 | 2642.50 | 2642.50 | 776.80 | 4162.25 | 3837.62 | 3837.62 | 7573.79 | -3736.17 |
| 7+00.000 | 957.71 | 2689.67 | 2689.67 | 873.56 | 3342.81 | 6527.29 | 6527.29 | 10916.60 | -4389.31 |
| 7+50.000 | 719.46 | 1997.02 | 1997.02 | 861.41 | 3205.69 | 8524.31 | 8524.31 | 14122.29 | -5597.99 |
| 8+00.000 | 683.46 | 1361.74 | 1361.74 | 819.76 | 2082.18 | 9886.04 | 9886.04 | 16204.47 | -6318.43 |
| 8+50.000 | 831.13 | 1272.23 | 1272.23 | 744.63 | 658.68 | 11158.28 | 11158.28 | 16863.15 | -5704.87 |
| 9+00.000 | 452.72 | 971.31 | 971.31 | 1039.93 | 204.07 | 12129.59 | 12129.59 | 17067.23 | -4937.64 |
| 9+50.000 | 702.56 | 873.85 | 873.85 | 1042.04 | 384.99 | 13003.44 | 13003.44 | 17452.22 | -4448.78 |
| 10+00.000 | 649.35 | 1251.77 | 1251.77 | 1130.50 | 2011.62 | 14255.21 | 14255.21 | 19463.84 | -5208.63 |
| 10+50.000 | 1028.45 | 1717.59 | 1717.59 | 966.88 | 3050.21 | 15972.80 | 15972.80 | 22514.05 | -6541.25 |
| 11+00.000 | 722.59 | 1633.32 | 1633.32 | 1137.82 | 2043.81 | 17606.12 | 17606.12 | 24557.86 | -6951.74 |
| 11+50.000 | 601.29 | 1111.57 | 1111.57 | 1095.59 | 366.07 | 18717.68 | 18717.68 | 24923.93 | -6206.24 |
| 12+00.000 | 670.08 | 1068.89 | 1068.89 | 1230.75 | 765.52 | 19786.57 | 19786.57 | 25689.45 | -5902.88 |
| 12+50.000 | 507.34 | 1109.47 | 1109.47 | 957.93 | 2343.01 | 20896.04 | 20896.04 | 28032.46 | -7136.42 |
| 13+00.000 | 1113.75 | 1713.45 | 1713.45 | 628.76 | 2586.29 | 22609.49 | 22609.49 | 30618.76 | -8009.27 |
| 13+50.000 | 1032.03 | 2334.89 | 2334.89 | 600.03 | 2094.07 | 24944.37 | 24944.37 | 32712.83 | -7768.45 |
| 14+00.000 | 995.24 | 2135.96 | 2135.96 | 956.17 | 2612.95 | 27080.34 | 27080.34 | 35325.78 | -8245.44 |
| 14+50.000 | 694.09 | 1649.41 | 1649.41 | 1016.83 | 2475.53 | 28729.75 | 28729.75 | 37801.31 | -9071.56 |
| 15+00.000 | 316.65 | 959.27 | 959.27 | 652.42 | 1801.58 | 29689.01 | 29689.01 | 39602.89 | -9913.88 |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|----------|----------|----------|----------|
| 15+50.000 | 206.87 | 484.74 | 484.74 | 157.89 | 750.28 | 30173.75 | 30173.75 | 40353.17 | 10179.42 |
| 16+00.000 | 162.27 | 348.64 | 348.64 | 445.72 | 452.31 | 30522.39 | 30522.39 | 40805.48 | 10283.09 |
| 16+50.000 | 10.59 | 168.35 | 168.35 | 270.88 | 536.01 | 30690.74 | 30690.74 | 41341.49 | 10650.76 |
| 17+00.000 | 140.51 | 139.31 | 139.31 | 680.05 | 1152.38 | 30830.04 | 30830.04 | 42493.87 | 11663.83 |
| 17+50.000 | 175.90 | 290.78 | 290.78 | 1226.77 | 1619.07 | 31120.82 | 31120.82 | 44112.95 | 12992.12 |
| 18+00.000 | 669.98 | 753.22 | 753.22 | 1466.10 | 1834.46 | 31874.04 | 31874.04 | 45947.40 | 14073.36 |
| 18+50.000 | 879.11 | 1362.39 | 1362.39 | 1301.87 | 1820.52 | 33236.43 | 33236.43 | 47767.92 | 14531.49 |
| 19+00.000 | 692.72 | 1372.29 | 1372.29 | 1403.10 | 1788.41 | 34608.72 | 34608.72 | 49556.33 | 14947.61 |
| 19+50.000 | 652.66 | 1182.55 | 1182.55 | 1569.66 | 1977.42 | 35791.27 | 35791.27 | 51533.75 | 15742.47 |
| 20+00.000 | 797.73 | 1334.74 | 1334.74 | 1761.69 | 2925.32 | 37126.02 | 37126.02 | 54459.07 | 17333.05 |
| 20+50.000 | 725.15 | 1410.08 | 1410.08 | 1791.95 | 3290.41 | 38536.10 | 38536.10 | 57749.48 | 19213.38 |
| 21+00.000 | 1014.69 | 1610.97 | 1610.97 | 1381.31 | 2938.21 | 40147.06 | 40147.06 | 60687.68 | 20540.62 |
| 21+50.000 | 940.18 | 1810.07 | 1810.07 | 1437.24 | 2609.77 | 41957.13 | 41957.13 | 63297.46 | 21340.33 |
| 22+00.000 | 1044.01 | 1899.83 | 1899.83 | 1345.29 | 2154.04 | 43856.96 | 43856.96 | 65451.50 | 21594.54 |
| 22+50.000 | 1027.88 | 2125.60 | 2125.60 | 1347.89 | 1621.13 | 45982.56 | 45982.56 | 67072.63 | 21090.07 |
| 23+00.000 | 949.19 | 2067.62 | 2067.62 | 1328.26 | 1561.67 | 48050.18 | 48050.18 | 68634.30 | 20584.12 |
| 23+50.000 | 76.87 | 1146.45 | 1146.45 | 1372.79 | 898.57 | 49196.63 | 49196.63 | 69532.87 | 20336.24 |
| 24+00.000 | 698.13 | 878.87 | 878.87 | 1079.73 | 930.05 | 50075.49 | 50075.49 | 70462.91 | 20387.42 |
| 24+50.000 | 1108.18 | 2026.53 | 2026.53 | 1007.74 | 895.69 | 52102.02 | 52102.02 | 71358.60 | 19256.58 |
| 25+00.000 | 1031.19 | 2275.41 | 2275.41 | 989.00 | 855.06 | 54377.43 | 54377.43 | 72213.66 | 17836.23 |
| 25+50.000 | 1299.53 | 2201.14 | 2201.14 | 1206.73 | 1605.39 | 56578.57 | 56578.57 | 73819.05 | 17240.48 |
| 26+00.000 | 1429.41 | 2509.34 | 2509.34 | 1191.27 | 778.42 | 59087.91 | 59087.91 | 74597.48 | 15509.56 |
| 26+50.000 | 1244.69 | 2476.02 | 2476.02 | 1080.94 | 2103.90 | 61563.93 | 61563.93 | 76701.38 | 15137.44 |
| 27+00.000 | 709.86 | 1824.23 | 1824.23 | 956.62 | 2169.49 | 63388.16 | 63388.16 | 78870.86 | 15482.70 |
| 27+50.000 | 482.33 | 1114.04 | 1114.04 | 812.34 | 2023.38 | 64502.20 | 64502.20 | 80894.24 | - |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|----------|----------|-----------|----------|
| | | | | | | | | | 16392.04 |
| 28+00.000 | 486.10 | 904.52 | 904.52 | 1107.55 | 2019.02 | 65406.72 | 65406.72 | 82913.26 | 17506.54 |
| 28+50.000 | 397.10 | 815.86 | 815.86 | 1001.49 | 1867.99 | 66222.57 | 66222.57 | 84781.25 | 18558.68 |
| 29+00.000 | 384.81 | 714.31 | 714.31 | 510.90 | 1310.74 | 66936.88 | 66936.88 | 86091.99 | 19155.11 |
| 29+50.000 | 187.08 | 529.53 | 529.53 | 269.16 | 722.28 | 67466.41 | 67466.41 | 86814.27 | 19347.86 |
| 30+00.000 | 171.33 | 331.86 | 331.86 | 360.35 | 582.88 | 67798.27 | 67798.27 | 87397.15 | 19598.88 |
| 30+50.000 | 136.18 | 287.17 | 287.17 | 334.56 | 658.38 | 68085.44 | 68085.44 | 88055.52 | 19970.08 |
| 31+00.000 | 98.44 | 220.77 | 220.77 | 276.23 | 578.55 | 68306.21 | 68306.21 | 88634.07 | 20327.86 |
| 31+50.000 | 173.83 | 258.16 | 258.16 | 788.72 | 1016.63 | 68564.37 | 68564.37 | 89650.70 | 21086.33 |
| 32+00.000 | 201.62 | 352.15 | 352.15 | 1017.13 | 1710.14 | 68916.52 | 68916.52 | 91360.84 | 22444.32 |
| 32+50.000 | 545.56 | 691.83 | 691.83 | 1276.55 | 2123.77 | 69608.35 | 69608.35 | 93484.61 | 23876.27 |
| 33+00.000 | 426.11 | 899.69 | 899.69 | 1563.92 | 2630.07 | 70508.04 | 70508.04 | 96114.68 | 25606.64 |
| 33+50.000 | 506.56 | 859.54 | 859.54 | 1907.89 | 3095.48 | 71367.58 | 71367.58 | 99210.16 | 27842.58 |
| 34+00.000 | 550.92 | 979.14 | 979.14 | 1378.64 | 3043.08 | 72346.72 | 72346.72 | 102253.24 | 29906.52 |
| 34+50.000 | 735.42 | 1301.25 | 1301.25 | 2372.29 | 5535.73 | 73647.97 | 73647.97 | 107788.97 | 34141.01 |
| 35+00.000 | 80.11 | 976.81 | 976.81 | 0.00 | 6793.44 | 74624.78 | 74624.78 | 114582.41 | 39957.63 |
| 35+50.000 | 739.24 | 955.28 | 955.28 | 659.40 | 1582.48 | 75580.06 | 75580.06 | 116164.89 | 40584.83 |
| 36+00.000 | 591.87 | 1293.98 | 1293.98 | 1149.56 | 2140.58 | 76874.04 | 76874.04 | 118305.47 | 41431.43 |
| 36+50.000 | 468.52 | 981.84 | 981.84 | 1071.27 | 2056.32 | 77855.88 | 77855.88 | 120361.79 | 42505.91 |
| 37+00.000 | 331.14 | 689.72 | 689.72 | 1196.67 | 1054.42 | 78545.60 | 78545.60 | 121416.21 | 42870.62 |
| 37+50.000 | 473.92 | 781.53 | 781.53 | 1421.63 | 3699.12 | 79327.13 | 79327.13 | 125115.33 | 45788.21 |
| 38+00.000 | 712.56 | 1136.18 | 1136.18 | 1638.23 | 3545.29 | 80463.31 | 80463.31 | 128660.63 | 48197.32 |
| 38+50.000 | 791.87 | 1311.20 | 1311.20 | 1818.74 | 1779.88 | 81774.51 | 81774.51 | 130440.51 | 48666.00 |
| 39+00.000 | 873.71 | 1504.23 | 1504.23 | 1422.99 | 2300.67 | 83278.74 | 83278.74 | 132741.17 | 49462.44 |
| 39+50.000 | 1043.44 | 1764.64 | 1764.64 | 1010.08 | 2121.98 | 85043.38 | 85043.38 | 134863.15 | 49819.77 |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|---|
| 40+00.000 | 1124.32 | 1618.00 | 1618.00 | 0.00 | -573.95 | 86661.38 | 86661.38 | 134289.20 | 47627.82 | - |
| 40+50.000 | 948.44 | 1897.89 | 1897.89 | 1320.39 | 1097.88 | 88559.27 | 88559.27 | 135387.08 | 46827.81 | - |
| 41+00.000 | 726.16 | 1416.67 | 1416.67 | 1394.32 | 535.13 | 89975.93 | 89975.93 | 135922.20 | 45946.27 | - |
| 41+50.000 | 600.21 | 1073.63 | 1073.63 | 1348.61 | 656.29 | 91049.56 | 91049.56 | 136578.49 | 45528.93 | - |
| 42+00.000 | 452.89 | 975.10 | 975.10 | 1349.65 | 2498.39 | 92024.66 | 92024.66 | 139076.88 | 47052.22 | - |
| 42+50.000 | 472.75 | 857.08 | 857.08 | 1478.10 | 2618.28 | 92881.73 | 92881.73 | 141695.16 | 48813.43 | - |
| 43+00.000 | 517.52 | 887.34 | 887.34 | 1490.00 | 2375.11 | 93769.08 | 93769.08 | 144070.27 | 50301.19 | - |
| 43+50.000 | 372.54 | 795.84 | 795.84 | 2126.80 | 2875.18 | 94564.91 | 94564.91 | 146945.45 | 52380.53 | - |
| 44+00.000 | 370.68 | 665.06 | 665.06 | 1707.71 | 3037.31 | 95229.97 | 95229.97 | 149982.76 | 54752.78 | - |
| 44+50.000 | 369.47 | 675.72 | 675.72 | 1907.99 | 3129.40 | 95905.69 | 95905.69 | 153112.15 | 57206.46 | - |
| 45+00.000 | 416.70 | 738.71 | 738.71 | 1507.68 | 3391.94 | 96644.40 | 96644.40 | 156504.09 | 59859.69 | - |
| 45+50.000 | 531.59 | 891.29 | 891.29 | 1081.24 | 2607.40 | 97535.68 | 97535.68 | 159111.49 | 61575.81 | - |
| 46+00.000 | 504.19 | 959.06 | 959.06 | 929.16 | 1861.48 | 98494.74 | 98494.74 | 160972.98 | 62478.24 | - |
| 46+50.000 | 303.31 | 747.69 | 747.69 | 1206.79 | 1977.73 | 99242.43 | 99242.43 | 162950.70 | 63708.28 | - |
| 47+00.000 | 389.86 | 602.00 | 602.00 | 1225.11 | 1688.12 | 99844.43 | 99844.43 | 164638.82 | 64794.39 | - |
| 47+50.000 | 694.96 | 890.96 | 890.96 | 1398.62 | 1195.27 | 100735.39 | 100735.39 | 165834.09 | 65098.70 | - |
| 48+00.000 | 717.69 | 1252.93 | 1252.93 | 1239.27 | 1924.11 | 101988.32 | 101988.32 | 167758.20 | 65769.88 | - |
| 48+50.000 | 507.33 | 1134.28 | 1134.28 | 1028.15 | 2099.46 | 103122.61 | 103122.61 | 169857.66 | 66735.06 | - |
| 49+00.000 | 498.56 | 931.38 | 931.38 | 636.88 | 1541.70 | 104053.99 | 104053.99 | 171399.36 | 67345.37 | - |
| 49+50.000 | 621.82 | 1037.39 | 1037.39 | 531.24 | 1081.59 | 105091.38 | 105091.38 | 172480.94 | 67389.56 | - |
| 50+00.000 | 592.26 | 1124.15 | 1124.15 | 920.66 | 1344.35 | 106215.53 | 106215.53 | 173825.29 | 67609.76 | - |
| 50+50.000 | 261.65 | 798.20 | 798.20 | 925.56 | 1843.99 | 107013.73 | 107013.73 | 175669.28 | 68655.55 | - |
| 51+00.000 | 470.52 | 677.94 | 677.94 | 825.71 | 1621.55 | 107691.67 | 107691.67 | 177290.83 | 69599.16 | - |
| 51+50.000 | 408.32 | 813.74 | 813.74 | 650.13 | 1366.52 | 108505.41 | 108505.41 | 178657.35 | 70151.94 | - |
| 52+00.000 | 607.16 | 940.26 | 940.26 | 593.97 | 1151.94 | 109445.67 | 109445.67 | 179809.29 | - | - |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| | | | | | | | | | 70363.62 |
| 52+50.000 | 505.25 | 1030.01 | 1030.01 | 591.99 | 1098.11 | 110475.67 | 110475.67 | 180907.40 | 70431.73 |
| 53+00.000 | 267.64 | 729.47 | 729.47 | 537.19 | 1186.35 | 111205.15 | 111205.15 | 182093.75 | 70888.61 |
| 53+50.000 | 505.29 | 715.68 | 715.68 | 678.69 | 1125.82 | 111920.82 | 111920.82 | 183219.57 | 71298.75 |
| 54+00.000 | 554.16 | 980.97 | 980.97 | 682.86 | 1260.70 | 112901.80 | 112901.80 | 184480.27 | 71578.47 |
| 54+50.000 | 475.61 | 953.50 | 953.50 | 329.15 | 937.05 | 113855.29 | 113855.29 | 185417.31 | 71562.02 |
| 55+00.000 | 545.43 | 945.41 | 945.41 | 330.44 | 610.73 | 114800.70 | 114800.70 | 186028.04 | 71227.34 |
| 55+50.000 | 895.74 | 1334.41 | 1334.41 | 237.48 | 525.85 | 116135.12 | 116135.12 | 186553.89 | 70418.78 |
| 56+00.000 | 551.20 | 1339.76 | 1339.76 | 179.74 | 386.31 | 117474.87 | 117474.87 | 186940.21 | 69465.33 |
| 56+50.000 | 872.17 | 1317.93 | 1317.93 | 253.87 | 401.49 | 118792.80 | 118792.80 | 187341.70 | 68548.89 |
| 57+00.000 | 634.82 | 1424.80 | 1424.80 | 235.32 | 549.33 | 120217.61 | 120217.61 | 187891.03 | 67673.42 |
| 57+50.000 | 198.76 | 813.87 | 813.87 | 273.86 | 650.70 | 121031.47 | 121031.47 | 188541.73 | 67510.25 |
| 58+00.000 | 276.50 | 447.04 | 447.04 | 336.00 | 604.26 | 121478.51 | 121478.51 | 189145.99 | 67667.48 |
| 58+50.000 | 766.06 | 1086.69 | 1086.69 | 73.89 | 516.08 | 122565.20 | 122565.20 | 189662.07 | 67096.87 |
| 59+00.000 | 608.22 | 2188.98 | 2188.98 | 353.41 | 1476.04 | 124754.18 | 124754.18 | 191138.10 | 66383.93 |
| 59+50.000 | 447.32 | 900.78 | 900.78 | 273.13 | 413.03 | 125654.95 | 125654.95 | 191551.13 | 65896.17 |
| 60+00.000 | 384.60 | 770.29 | 770.29 | 197.50 | 435.77 | 126425.25 | 126425.25 | 191986.90 | 65561.65 |
| 60+50.000 | 94.49 | 460.66 | 460.66 | 0.00 | 233.73 | 126885.91 | 126885.91 | 192220.63 | 65334.72 |
| 61+00.000 | 232.67 | 261.51 | 261.51 | 0.00 | 0.00 | 127147.42 | 127147.42 | 192220.63 | 65073.20 |
| 61+50.000 | 970.87 | 1145.68 | 1145.68 | 1278.79 | 2076.90 | 128293.10 | 128293.10 | 194297.52 | 66004.42 |
| 62+00.000 | 713.84 | 1559.92 | 1559.92 | 969.41 | 2081.67 | 129853.02 | 129853.02 | 196379.19 | 66526.18 |
| 62+50.000 | 528.48 | 1034.44 | 1034.44 | 1159.46 | 757.41 | 130887.46 | 130887.46 | 197136.60 | 66249.14 |
| 63+00.000 | 802.92 | 1178.34 | 1178.34 | 1280.93 | 1591.10 | 132065.81 | 132065.81 | 198727.70 | 66661.90 |
| 63+50.000 | 939.92 | 1622.41 | 1622.41 | 948.61 | 2169.70 | 133688.21 | 133688.21 | 200897.40 | 67209.19 |
| 64+00.000 | 1207.69 | 2093.13 | 2093.13 | 915.61 | 3133.89 | 135781.34 | 135781.34 | 204031.29 | 68249.95 |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| 64+50.000 | 1047.65 | 2153.66 | 2153.66 | 1951.11 | 3805.13 | 137935.00 | 137935.00 | 207836.42 | 69901.43 |
| 65+00.000 | 812.72 | 1696.47 | 1696.47 | 2228.98 | 3295.92 | 139631.46 | 139631.46 | 211132.34 | 71500.88 |
| 65+50.000 | 907.54 | 1481.45 | 1481.45 | 2101.77 | 2223.22 | 141112.91 | 141112.91 | 213355.56 | 72242.65 |
| 66+00.000 | 806.20 | 1466.16 | 1466.16 | 2284.44 | 2219.03 | 142579.07 | 142579.07 | 215574.59 | 72995.52 |
| 66+50.000 | 487.87 | 1160.92 | 1160.92 | 1816.53 | 2961.48 | 143739.98 | 143739.98 | 218536.07 | 74796.09 |
| 67+00.000 | 347.94 | 773.90 | 773.90 | 1256.27 | 2845.19 | 144513.88 | 144513.88 | 221381.26 | 76867.38 |
| 67+50.000 | 427.09 | 732.58 | 732.58 | 929.68 | 2253.07 | 145246.46 | 145246.46 | 223634.33 | 78387.87 |
| 68+00.000 | 464.46 | 837.55 | 837.55 | 1074.52 | 2059.30 | 146084.01 | 146084.01 | 225693.63 | 79609.62 |
| 68+50.000 | 340.26 | 751.73 | 751.73 | 1075.45 | 2122.17 | 146835.74 | 146835.74 | 227815.80 | 80980.06 |
| 69+00.000 | 340.33 | 630.18 | 630.18 | 933.54 | 1860.17 | 147465.92 | 147465.92 | 229675.97 | 82210.06 |
| 69+50.000 | 410.60 | 695.31 | 695.31 | 730.41 | 1540.69 | 148161.22 | 148161.22 | 231216.66 | 83055.44 |
| 70+00.000 | 393.97 | 744.97 | 744.97 | 1042.91 | 1641.96 | 148906.20 | 148906.20 | 232858.62 | 83952.43 |
| 70+50.000 | 323.95 | 664.74 | 664.74 | 1044.16 | 1932.47 | 149570.93 | 149570.93 | 234791.09 | 85220.16 |
| 71+00.000 | 260.68 | 500.58 | 500.58 | 1012.92 | 943.75 | 150071.51 | 150071.51 | 235734.84 | 85663.32 |
| 71+50.000 | 374.28 | 596.12 | 596.12 | 1038.84 | 2567.07 | 150667.63 | 150667.63 | 238301.91 | 87634.27 |
| 72+00.000 | 742.71 | 1079.18 | 1079.18 | 876.05 | 3008.12 | 151746.82 | 151746.82 | 241310.03 | 89563.21 |
| 72+50.000 | 917.02 | 1643.31 | 1643.31 | 1452.78 | 4035.12 | 153390.13 | 153390.13 | 245345.15 | 91955.02 |
| 73+00.000 | 1227.14 | 1946.32 | 1946.32 | 1112.61 | 1911.88 | 155336.45 | 155336.45 | 247257.03 | 91920.58 |
| 73+50.000 | 1140.37 | 1989.19 | 1989.19 | 1245.79 | 722.38 | 157325.64 | 157325.64 | 247979.41 | 90653.77 |
| 74+00.000 | 955.89 | 1940.98 | 1940.98 | 1352.27 | 2405.61 | 159266.62 | 159266.62 | 250385.02 | 91118.40 |
| 74+50.000 | 1040.30 | 1848.32 | 1848.32 | 1494.23 | 2635.64 | 161114.94 | 161114.94 | 253020.66 | 91905.72 |
| 75+00.000 | 1245.43 | 2116.42 | 2116.42 | 1147.77 | 2446.29 | 163231.36 | 163231.36 | 255466.96 | 92235.60 |
| 75+50.000 | 1334.72 | 2389.03 | 2389.03 | 1090.34 | 2072.32 | 165620.39 | 165620.39 | 257539.28 | 91918.89 |
| 76+00.000 | 1193.82 | 2341.24 | 2341.24 | 1077.80 | 2007.53 | 167961.63 | 167961.63 | 259546.81 | 91585.19 |
| 76+50.000 | 893.95 | 1933.12 | 1933.12 | 226.77 | 1207.94 | 169894.75 | 169894.75 | 260754.75 | - |

Quantities Report

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|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| | | | | | | | | | 90860.00 |
| 77+00.000 | 672.02 | 1449.98 | 1449.98 | 361.51 | 544.71 | 171344.73 | 171344.73 | 261299.46 | 89954.73 |
| 77+50.000 | 524.51 | 1076.35 | 1076.35 | 300.90 | 542.19 | 172421.08 | 172421.08 | 261841.65 | 89420.57 |
| 78+00.000 | 615.27 | 1039.02 | 1039.02 | 108.98 | 358.20 | 173460.10 | 173460.10 | 262199.84 | 88739.74 |
| 78+50.000 | 453.48 | 1048.87 | 1048.87 | 155.46 | 294.78 | 174508.97 | 174508.97 | 262494.63 | 87985.66 |
| 79+00.000 | 617.36 | 1055.56 | 1055.56 | 101.30 | 287.38 | 175564.53 | 175564.53 | 262782.00 | 87217.47 |
| 79+50.000 | 709.82 | 1289.70 | 1289.70 | 169.26 | 291.10 | 176854.23 | 176854.23 | 263073.10 | 86218.88 |
| 80+00.000 | 1083.17 | 1609.30 | 1609.30 | 168.27 | 275.60 | 178463.53 | 178463.53 | 263348.70 | 84885.17 |
| 80+50.000 | 982.69 | 1843.22 | 1843.22 | 149.20 | 244.73 | 180306.75 | 180306.75 | 263593.43 | 83286.68 |
| 81+00.000 | 764.48 | 1554.43 | 1554.43 | 136.52 | 219.79 | 181861.18 | 181861.18 | 263813.22 | 81952.04 |
| 81+50.000 | 1032.18 | 1602.72 | 1602.72 | 36.71 | 140.28 | 183463.90 | 183463.90 | 263953.50 | 80489.60 |
| 82+00.000 | 1164.60 | 2034.06 | 2034.06 | 177.98 | 198.78 | 185497.96 | 185497.96 | 264152.28 | 78654.32 |
| 82+50.000 | 1218.74 | 2206.80 | 2206.80 | 121.29 | 277.10 | 187704.76 | 187704.76 | 264429.37 | 76724.62 |
| 83+00.000 | 1907.55 | 2716.85 | 2716.85 | 95.72 | 141.06 | 190421.61 | 190421.61 | 264570.43 | 74148.83 |
| 83+50.000 | 3203.58 | 4646.04 | 4646.04 | 511.43 | 369.68 | 195067.64 | 195067.64 | 264940.12 | 69872.47 |
| 84+00.000 | 4872.91 | 7601.68 | 7601.68 | 774.77 | 754.49 | 202669.33 | 202669.33 | 265694.61 | 63025.28 |
| 84+50.000 | 5050.75 | 9293.10 | 9293.10 | 900.04 | 1380.93 | 211962.42 | 211962.42 | 267075.53 | 55113.11 |
| 85+00.000 | 5132.71 | 9859.90 | 9859.90 | 1239.04 | 1366.01 | 221822.32 | 221822.32 | 268441.54 | 46619.22 |
| 85+50.000 | 4368.25 | 9369.73 | 9369.73 | 1645.41 | 1448.04 | 231192.05 | 231192.05 | 269889.58 | 38697.53 |
| 86+00.000 | 3611.49 | 7479.05 | 7479.05 | 1705.21 | 1657.14 | 238671.10 | 238671.10 | 271546.72 | 32875.62 |
| 86+50.000 | 2700.32 | 5605.49 | 5605.49 | 1830.68 | 2018.77 | 244276.59 | 244276.59 | 273565.49 | 29288.90 |
| 87+00.000 | 1323.89 | 3726.12 | 3726.12 | 1695.57 | 3265.04 | 248002.71 | 248002.71 | 276830.54 | 28827.83 |
| 87+50.000 | 996.56 | 1925.75 | 1925.75 | 1835.75 | 1612.77 | 249928.46 | 249928.46 | 278443.30 | 28514.85 |
| 88+00.000 | 1514.26 | 2396.11 | 2396.11 | 1923.02 | 1526.25 | 252324.57 | 252324.57 | 279969.55 | 27644.98 |
| 88+50.000 | 3770.49 | 5392.45 | 5392.45 | 1722.04 | 1390.06 | 257717.02 | 257717.02 | 281359.61 | 23642.59 |

Quantities Report

| | | | | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| 89+00.000 | 4387.81 | 8013.77 | 8013.77 | 1654.77 | 1219.85 | 265730.79 | 265730.79 | 282579.46 | 16848.67 |
| 89+50.000 | 3916.86 | 7706.28 | 7706.28 | 1539.99 | 2676.57 | 273437.07 | 273437.07 | 285256.03 | 11818.95 |
| 90+00.000 | 2167.63 | 5642.27 | 5642.27 | 991.77 | 2485.05 | 279079.34 | 279079.34 | 287741.07 | -8661.74 |
| 90+50.000 | 2166.25 | 4055.18 | 4055.18 | 922.77 | 2203.84 | 283134.52 | 283134.52 | 289944.92 | -6810.39 |
| 91+00.000 | 2355.60 | 4192.72 | 4192.72 | 1154.56 | 2425.36 | 287327.24 | 287327.24 | 292370.27 | -5043.03 |
| 91+50.000 | 2566.19 | 4464.10 | 4464.10 | 781.47 | 2242.20 | 291791.34 | 291791.34 | 294612.47 | -2821.12 |
| 92+00.000 | 2967.03 | 4977.72 | 4977.72 | 1010.70 | 1892.93 | 296769.06 | 296769.06 | 296505.40 | 263.66 |
| 92+50.000 | 3673.96 | 6149.06 | 6149.06 | 1492.89 | 2318.14 | 302918.12 | 302918.12 | 298823.54 | 4094.58 |
| 93+00.000 | 2942.98 | 6437.98 | 6437.98 | 1320.07 | 1711.96 | 309356.11 | 309356.11 | 300535.50 | 8820.61 |
| 93+50.000 | 3239.07 | 5665.09 | 5665.09 | 1288.92 | 1310.58 | 315021.20 | 315021.20 | 301846.08 | 13175.12 |
| 94+00.000 | 2749.36 | 5370.14 | 5370.14 | 1122.72 | 1184.19 | 320391.34 | 320391.34 | 303030.27 | 17361.06 |
| 94+50.000 | 2678.39 | 4984.31 | 4984.31 | 1096.18 | 1070.12 | 325375.65 | 325375.65 | 304100.40 | 21275.25 |
| 95+00.000 | 3223.82 | 5414.56 | 5414.56 | 1139.64 | 1086.47 | 330790.21 | 330790.21 | 305186.86 | 25603.34 |
| 95+50.000 | 2963.14 | 5506.17 | 5506.17 | 1090.92 | 1101.72 | 336296.38 | 336296.38 | 306288.59 | 30007.79 |
| 96+00.000 | 2547.21 | 4750.02 | 4750.02 | 988.63 | 1031.28 | 341046.40 | 341046.40 | 307319.87 | 33726.54 |
| 96+50.000 | 2764.59 | 4476.45 | 4476.45 | 964.93 | 952.37 | 345522.85 | 345522.85 | 308272.23 | 37250.62 |
| 97+00.000 | 2635.13 | 4478.81 | 4478.81 | 1033.15 | 948.43 | 350001.67 | 350001.67 | 309220.66 | 40781.01 |
| 97+50.000 | 2386.11 | 4106.92 | 4106.92 | 1108.31 | 1011.74 | 354108.59 | 354108.59 | 310232.41 | 43876.18 |
| 98+00.000 | 2754.81 | 4410.54 | 4410.54 | 1037.88 | 1342.03 | 358519.13 | 358519.13 | 311574.44 | 46944.69 |
| 98+50.000 | 3607.70 | 5891.21 | 5891.21 | 1681.41 | 2517.86 | 364410.34 | 364410.34 | 314092.30 | 50318.04 |
| 99+00.000 | 3829.93 | 6886.69 | 6886.69 | 1746.39 | 3173.89 | 371297.03 | 371297.03 | 317266.19 | 54030.84 |
| 99+50.000 | 1464.05 | 4901.84 | 4901.84 | 2028.89 | 3495.62 | 376198.87 | 376198.87 | 320761.81 | 55437.06 |
| 100+00.000 | 3606.74 | 4695.18 | 4695.18 | 2329.82 | 4035.84 | 380894.04 | 380894.04 | 324797.65 | 56096.40 |
| 100+50.000 | 3895.04 | 7256.91 | 7256.91 | 1483.57 | 5094.26 | 388150.95 | 388150.95 | 329891.90 | 58259.05 |
| 101+00.000 | 1998.87 | 5956.20 | 5956.20 | 1137.98 | 4628.23 | 394107.15 | 394107.15 | 334520.14 | 59587.02 |
| 101+50.000 | 1120.47 | 3022.17 | 3022.17 | 1806.12 | 4403.90 | 397129.32 | 397129.32 | 338924.04 | 58205.29 |
| 102+00.000 | 964.67 | 1930.68 | 1930.68 | 1654.92 | 3204.66 | 399060.00 | 399060.00 | 342128.69 | 56931.31 |
| 102+50.000 | 772.94 | 1608.90 | 1608.90 | 1485.09 | 2907.41 | 400668.90 | 400668.90 | 345036.11 | 55632.79 |
| 103+00.000 | 1307.11 | 1925.98 | 1925.98 | 1504.24 | 2767.90 | 402594.88 | 402594.88 | 347804.00 | 54790.87 |
| 103+50.000 | 1540.65 | 2423.27 | 2423.27 | 1513.17 | 1768.44 | 405018.15 | 405018.15 | 349572.44 | 55445.70 |
| 104+00.000 | 1741.58 | 2378.01 | 2378.01 | 1470.22 | 492.70 | 407396.16 | 407396.16 | 350065.14 | 57331.02 |
| 104+50.000 | 1791.59 | 2545.12 | 2545.12 | 1313.70 | 435.33 | 409941.28 | 409941.28 | 350500.48 | 59440.80 |
| 105+00.000 | 1831.17 | 2887.00 | 2887.00 | 1424.86 | 998.25 | 412828.27 | 412828.27 | 351498.73 | 61329.54 |
| 105+50.000 | 1487.08 | 3126.50 | 3126.50 | 979.11 | 2446.77 | 415954.78 | 415954.78 | 353945.50 | 62009.27 |
| 106+00.000 | 1174.69 | 2562.54 | 2562.54 | 530.66 | 1764.08 | 418517.31 | 418517.31 | 355709.58 | 62807.74 |
| 106+50.000 | 656.98 | 1753.99 | 1753.99 | 474.49 | 1137.67 | 420271.31 | 420271.31 | 356847.25 | 63424.06 |
| 107+00.000 | 376.64 | 989.83 | 989.83 | 331.84 | 885.14 | 421261.14 | 421261.14 | 357732.40 | 63528.74 |
| 107+50.000 | 495.33 | 830.89 | 830.89 | 548.84 | 905.03 | 422092.03 | 422092.03 | 358637.42 | 63454.60 |
| 108+00.000 | 466.27 | 890.37 | 890.37 | 755.40 | 1207.63 | 422982.40 | 422982.40 | 359845.06 | 63137.34 |
| 108+50.000 | 423.49 | 847.89 | 847.89 | 898.30 | 1707.01 | 423830.29 | 423830.29 | 361552.07 | 62278.23 |

Quantities Report

| | | | | | | | | | |
|------------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| 109+00.000 | 955.52 | 1455.94 | 1455.94 | 1079.14 | 3029.21 | 425286.23 | 425286.23 | 364581.27 | 60704.95 |
| 109+50.000 | 1117.19 | 2266.75 | 2266.75 | 635.37 | 2814.87 | 427552.98 | 427552.98 | 367396.15 | 60156.83 |
| 110+00.000 | 1350.07 | 2700.65 | 2700.65 | 1687.06 | 4251.35 | 430253.63 | 430253.63 | 371647.50 | 58606.13 |
| 110+50.000 | 1050.38 | 2595.44 | 2595.44 | 1682.56 | 6242.56 | 432849.07 | 432849.07 | 377890.06 | 54959.01 |
| 111+00.000 | 1352.36 | 2827.37 | 2827.37 | 1664.04 | 6523.26 | 435676.44 | 435676.44 | 384413.32 | 51263.11 |
| 111+50.000 | 1617.62 | 3342.96 | 3342.96 | 2031.73 | 6658.69 | 439019.39 | 439019.39 | 391072.01 | 47947.38 |
| 112+00.000 | 1834.14 | 3196.08 | 3196.08 | 2501.32 | 4197.26 | 442215.47 | 442215.47 | 395269.27 | 46946.20 |
| 112+50.000 | 2040.97 | 3410.95 | 3410.95 | 2674.80 | 2978.52 | 445626.43 | 445626.43 | 398247.79 | 47378.63 |
| 113+00.000 | 2279.39 | 3771.87 | 3771.87 | 2717.20 | 1971.95 | 449398.29 | 449398.29 | 400219.74 | 49178.55 |
| 113+50.000 | 2247.88 | 4066.37 | 4066.37 | 2701.54 | 2005.97 | 453464.66 | 453464.66 | 402225.72 | 51238.94 |
| 114+00.000 | 2312.63 | 4195.11 | 4195.11 | 2564.38 | 2084.70 | 457659.77 | 457659.77 | 404310.42 | 53349.35 |
| 114+50.000 | 2252.92 | 4289.38 | 4289.38 | 2537.19 | 2207.46 | 461949.15 | 461949.15 | 406517.88 | 55431.27 |
| 115+00.000 | 2032.83 | 4046.01 | 4046.01 | 2523.72 | 2315.64 | 465995.16 | 465995.16 | 408833.52 | 57161.65 |
| 115+50.000 | 1625.80 | 3375.16 | 3375.16 | 1554.57 | 2931.91 | 469370.33 | 469370.33 | 411765.43 | 57604.90 |
| 116+00.000 | 1501.97 | 2896.08 | 2896.08 | 726.76 | 2112.34 | 472266.41 | 472266.41 | 413877.77 | 58388.64 |
| 116+50.000 | 1313.47 | 2606.89 | 2606.89 | 510.55 | 1145.65 | 474873.30 | 474873.30 | 415023.43 | 59849.88 |
| 117+00.000 | 1346.46 | 2462.90 | 2462.90 | 222.61 | 678.85 | 477336.20 | 477336.20 | 415702.27 | 61633.93 |
| 117+50.000 | 976.68 | 2151.06 | 2151.06 | 1330.95 | 1438.48 | 479487.26 | 479487.26 | 417140.75 | 62346.51 |
| 118+00.000 | 543.50 | 1407.58 | 1407.58 | 1907.37 | 2998.44 | 480894.84 | 480894.84 | 420139.20 | 60755.64 |
| 118+50.000 | 534.84 | 998.46 | 998.46 | 1370.23 | 3034.81 | 481893.30 | 481893.30 | 423174.01 | 58719.29 |
| 119+00.000 | 807.26 | 1197.90 | 1197.90 | 1155.48 | 1939.92 | 483091.20 | 483091.20 | 425113.93 | 57977.27 |
| 119+50.000 | 866.55 | 1462.71 | 1462.71 | 1294.93 | 1600.70 | 484553.91 | 484553.91 | 426714.63 | 57839.28 |
| 120+00.000 | 686.02 | 1357.33 | 1357.33 | 1544.15 | 1820.12 | 485911.24 | 485911.24 | 428534.75 | 57376.49 |
| 120+50.000 | 377.62 | 926.83 | 926.83 | 1625.35 | 2036.64 | 486838.07 | 486838.07 | 430571.39 | 56266.68 |
| 121+00.000 | 485.01 | 785.24 | 785.24 | 2114.47 | 2382.62 | 487623.31 | 487623.31 | 432954.01 | 54669.30 |
| 121+50.000 | 681.14 | 1106.79 | 1106.79 | 2229.42 | 2749.67 | 488730.10 | 488730.10 | 435703.68 | 53026.42 |
| 122+00.000 | 443.80 | 1077.67 | 1077.67 | 2013.33 | 2740.50 | 489807.77 | 489807.77 | 438444.18 | 51363.59 |
| 122+50.000 | 204.83 | 604.25 | 604.25 | 2207.49 | 3574.50 | 490412.02 | 490412.02 | 442018.69 | 48393.34 |
| 123+00.000 | 177.56 | 354.06 | 354.06 | 1900.65 | 3803.84 | 490766.08 | 490766.08 | 445822.52 | 44943.56 |
| 123+50.000 | 212.32 | 361.00 | 361.00 | 1456.11 | 3108.11 | 491127.08 | 491127.08 | 448930.63 | 42196.44 |
| 124+00.000 | 48.53 | 241.53 | 241.53 | 762.01 | 2053.82 | 491368.61 | 491368.61 | 450984.45 | 40384.15 |
| 124+50.000 | 0.00 | 44.94 | 44.94 | 0.00 | 705.57 | 491413.54 | 491413.54 | 451690.02 | 39723.52 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-GARDEN GROUND HIGHWALLS\PHASE-2\Dwg\10056-0042-12-BASELINE-L-SECTIONS.dwg

Alignment: SITE-7-HIGHWALL-L1
 Sample Line Group: SL Collection - 6 BASELINE-L1
 Start Sta: 0+00.000
 End Sta: 2+50.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|----------|-------------------|---------------------|--------------------------|--------------------|----------------------|------------------------|-----------------------------|-------------------------|------------------------|
| 0+00.000 | 1605.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 1395.04 | 2777.96 | 2777.96 | 2605.47 | 2412.48 | 2777.96 | 2777.96 | 2412.48 | 365.48 |
| 1+00.000 | 305.10 | 1574.21 | 1574.21 | 2516.74 | 4742.79 | 4352.17 | 4352.17 | 7155.27 | - |
| 1+50.000 | 0.00 | 282.51 | 282.51 | 1158.19 | 3402.71 | 4634.68 | 4634.68 | 10557.98 | - |
| 2+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 1072.40 | 4634.68 | 4634.68 | 11630.38 | - |
| 2+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4634.68 | 4634.68 | 11630.38 | - |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
**GARDEN GROUND HIGHWALLS\PHASE-2\Dwg\10056-0042-12-BASELINE-L-
 SECTIONS.dwg**

Alignment: SITE-7-HIGHWALL-L2

Sample Line Group: SL Collection - 7 BASELINE-L2

Start Sta: 0+00.000

End Sta: 3+00.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 547.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 1693.38 | 2075.33 | 2075.33 | 28.95 | 26.80 | 2075.33 | 2075.33 | 26.80 | 2048.53 |
| 1+00.000 | 1273.19 | 2746.82 | 2746.82 | 136.74 | 153.41 | 4822.16 | 4822.16 | 180.21 | 4641.95 |
| 1+50.000 | 263.98 | 1423.30 | 1423.30 | 605.50 | 687.26 | 6245.46 | 6245.46 | 867.46 | 5377.99 |
| 2+00.000 | 11.04 | 254.65 | 254.65 | 1313.93 | 1777.25 | 6500.11 | 6500.11 | 2644.72 | 3855.39 |
| 2+50.000 | 21.14 | 29.80 | 29.80 | 842.29 | 1996.50 | 6529.91 | 6529.91 | 4641.22 | 1888.69 |
| 3+00.000 | 0.00 | 19.57 | 19.57 | 0.00 | 779.90 | 6549.48 | 6549.48 | 5421.12 | 1128.36 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
**GARDEN GROUND HIGHWALLS\PHASE-2\Drawg\10056-0042-12-BASELINE-L-
 SECTIONS.dwg**

Alignment: SITE-7-HIGHWALL-L3

Sample Line Group: SL Collection - 8 BASELINE-L3

Start Sta: 0+00.000

End Sta: 3+00.000

| <u>Station</u> | <u>Cut Area</u> (Sq.ft.) | <u>Cut Volume</u> (Cu.yd.) | <u>Reusable Volume</u> (Cu.yd.) | <u>Fill Area</u> (Sq.ft.) | <u>Fill Volume</u> (Cu.yd.) | <u>Cum. Cut Vol.</u> (Cu.yd.) | <u>Cum. Reusable Vol.</u> (Cu.yd.) | <u>Cum. Fill Vol.</u> (Cu.yd.) | <u>Cum. Net Vol.</u> (Cu.yd.) |
|----------------|-----------------------------|-------------------------------|------------------------------------|------------------------------|--------------------------------|----------------------------------|---------------------------------------|-----------------------------------|----------------------------------|
| 0+00.000 | 1814.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 1394.25 | 2971.03 | 2971.03 | 1342.36 | 1242.92 | 2971.03 | 2971.03 | 1242.92 | 1728.11 |
| 1+00.000 | 526.16 | 1778.15 | 1778.15 | 1748.44 | 2861.85 | 4749.18 | 4749.18 | 4104.77 | 644.41 |
| 1+50.000 | 339.66 | 801.68 | 801.68 | 274.30 | 1872.91 | 5550.86 | 5550.86 | 5977.68 | -426.81 |
| 2+00.000 | 114.81 | 420.81 | 420.81 | 100.88 | 347.39 | 5971.67 | 5971.67 | 6325.07 | -353.40 |
| 2+50.000 | 2.77 | 108.87 | 108.87 | 21.69 | 113.49 | 6080.54 | 6080.54 | 6438.56 | -358.03 |
| 3+00.000 | 0.00 | 2.56 | 2.56 | 0.00 | 20.09 | 6083.10 | 6083.10 | 6458.65 | -375.55 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
GARDEN GROUND HIGHWALLS\PHASE-2\Wdg\10056-0042-15-BASELINE-M-
SECTIONS.dwg

Alignment: SITE 7-HIGHWALL-M
Sample Line Group: SL Collection - 5
Start Sta: 0+00.000
End Sta: 25+00.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|-----------|-------------------|---------------------|--------------------------|--------------------|----------------------|------------------------|-----------------------------|-------------------------|------------------------|
| 0+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 208.58 | 193.13 | 193.13 | 0.00 | 0.00 | 193.13 | 193.13 | 0.00 | 193.13 |
| 1+00.000 | 1411.99 | 1500.52 | 1500.52 | 0.00 | 0.00 | 1693.65 | 1693.65 | 0.00 | 1693.65 |
| 1+50.000 | 2874.39 | 3968.87 | 3968.87 | 0.02 | 0.02 | 5662.52 | 5662.52 | 0.02 | 5662.51 |
| 2+00.000 | 5081.31 | 7366.39 | 7366.39 | 0.00 | 0.02 | 13028.92 | 13028.92 | 0.04 | 13028.88 |
| 2+50.000 | 5046.42 | 9377.52 | 9377.52 | 0.00 | 0.00 | 22406.44 | 22406.44 | 0.04 | 22406.40 |
| 3+00.000 | 5054.50 | 9352.70 | 9352.70 | 0.00 | 0.00 | 31759.14 | 31759.14 | 0.04 | 31759.09 |
| 3+50.000 | 4651.47 | 8987.01 | 8987.01 | 0.00 | 0.00 | 40746.15 | 40746.15 | 0.04 | 40746.10 |
| 4+00.000 | 2959.72 | 7047.39 | 7047.39 | 2567.87 | 2377.66 | 47793.54 | 47793.54 | 2377.70 | 45415.84 |
| 4+50.000 | 2859.85 | 5388.49 | 5388.49 | 2263.80 | 4473.77 | 53182.03 | 53182.03 | 6851.48 | 46330.55 |
| 5+00.000 | 3883.61 | 6243.94 | 6243.94 | 2838.76 | 4724.59 | 59425.98 | 59425.98 | 11576.07 | 47849.91 |
| 5+50.000 | 4940.02 | 8170.03 | 8170.03 | 3317.13 | 5699.90 | 67596.00 | 67596.00 | 17275.97 | 50320.03 |
| 6+00.000 | 5904.46 | 10041.19 | 10041.19 | 3987.42 | 6763.47 | 77637.19 | 77637.19 | 24039.44 | 53597.75 |
| 6+50.000 | 5846.11 | 10880.16 | 10880.16 | 4691.34 | 8035.89 | 88517.35 | 88517.35 | 32075.33 | 56442.02 |
| 7+00.000 | 3765.27 | 8899.43 | 8899.43 | 5891.78 | 9799.18 | 97416.77 | 97416.77 | 41874.51 | 55542.26 |
| 7+50.000 | 2831.31 | 6107.95 | 6107.95 | 4240.03 | 9381.31 | 103524.73 | 103524.73 | 51255.82 | 52268.91 |
| 8+00.000 | 2304.28 | 4755.18 | 4755.18 | 3843.63 | 7484.87 | 108279.90 | 108279.90 | 58740.69 | 49539.21 |
| 8+50.000 | 1657.21 | 3668.05 | 3668.05 | 3253.29 | 6571.23 | 111947.95 | 111947.95 | 65311.92 | 46636.03 |
| 9+00.000 | 1894.09 | 3288.24 | 3288.24 | 3243.88 | 6015.90 | 115236.19 | 115236.19 | 71327.81 | 43908.38 |
| 9+50.000 | 2063.67 | 3664.59 | 3664.59 | 3894.00 | 6609.14 | 118900.78 | 118900.78 | 77936.96 | 40963.83 |
| 10+00.000 | 2269.58 | 4012.27 | 4012.27 | 3115.50 | 6490.27 | 122913.05 | 122913.05 | 84427.23 | 38485.82 |
| 10+50.000 | 2412.00 | 4334.80 | 4334.80 | 2850.21 | 5523.80 | 127247.85 | 127247.85 | 89951.03 | 37296.82 |
| 11+00.000 | 2911.80 | 4929.45 | 4929.45 | 2797.62 | 5229.47 | 132177.30 | 132177.30 | 95180.50 | 36996.80 |
| 11+50.000 | 2907.74 | 5388.46 | 5388.46 | 2896.35 | 5272.20 | 137565.76 | 137565.76 | 100452.69 | 37113.06 |
| 12+00.000 | 2234.00 | 4760.87 | 4760.87 | 3239.29 | 5681.15 | 142326.63 | 142326.63 | 106133.84 | 36192.78 |
| 12+50.000 | 1937.34 | 3862.35 | 3862.35 | 3387.55 | 6135.96 | 146188.98 | 146188.98 | 112269.81 | 33919.17 |
| 13+00.000 | 1625.93 | 3299.32 | 3299.32 | 2585.58 | 5530.67 | 149488.30 | 149488.30 | 117800.48 | 31687.81 |
| 13+50.000 | 1390.00 | 2792.53 | 2792.53 | 2235.51 | 4463.97 | 152280.82 | 152280.82 | 122264.45 | 30016.37 |
| 14+00.000 | 1312.84 | 2502.63 | 2502.63 | 1811.88 | 3747.58 | 154783.45 | 154783.45 | 126012.03 | 28771.42 |
| | | | | | | | | | |

Quantities Report

| | | | | | | | | | |
|-----------|---------|---------|---------|---------|---------|-----------|-----------|-----------|----------|
| 14+50.000 | 1668.29 | 2760.30 | 2760.30 | 1416.26 | 2989.01 | 157543.75 | 157543.75 | 129001.04 | 28542.71 |
| 15+00.000 | 2190.07 | 3572.55 | 3572.55 | 1226.76 | 2447.24 | 161116.30 | 161116.30 | 131448.28 | 29668.02 |
| 5+50.000 | 2100.93 | 3973.14 | 3973.14 | 1438.07 | 2467.44 | 165089.44 | 165089.44 | 133915.72 | 31173.72 |
| 16+00.000 | 1969.72 | 3769.11 | 3769.11 | 1426.54 | 2652.42 | 168858.56 | 168858.56 | 136568.14 | 32290.42 |
| 16+50.000 | 2214.77 | 3874.52 | 3874.52 | 1427.78 | 2642.89 | 172733.08 | 172733.08 | 139211.02 | 33522.05 |
| 17+00.000 | 1406.11 | 3352.66 | 3352.66 | 3185.26 | 4271.33 | 176085.74 | 176085.74 | 143482.36 | 32603.39 |
| 17+50.000 | 1416.90 | 2613.89 | 2613.89 | 2698.87 | 5448.27 | 178699.64 | 178699.64 | 148930.63 | 29769.01 |
| 18+00.000 | 1614.99 | 2807.30 | 2807.30 | 2430.35 | 4749.28 | 181506.94 | 181506.94 | 153679.91 | 27827.03 |
| 18+50.000 | 1476.98 | 2862.94 | 2862.94 | 2823.08 | 4864.29 | 184369.88 | 184369.88 | 158544.20 | 25825.68 |
| 19+00.000 | 1310.42 | 2580.93 | 2580.93 | 5136.57 | 7370.05 | 186950.81 | 186950.81 | 165914.25 | 21036.56 |
| 19+50.000 | 1983.90 | 3050.30 | 3050.30 | 3481.06 | 7979.29 | 190001.11 | 190001.11 | 173893.54 | 16107.57 |
| 20+00.000 | 1991.50 | 3680.93 | 3680.93 | 2389.52 | 5435.73 | 193682.04 | 193682.04 | 179329.27 | 14352.77 |
| 20+50.000 | 1983.87 | 3680.90 | 3680.90 | 2716.71 | 4728.00 | 197362.94 | 197362.94 | 184057.26 | 13305.68 |
| 21+00.000 | 2076.14 | 3759.26 | 3759.26 | 2715.48 | 5029.81 | 201122.20 | 201122.20 | 189087.07 | 12035.13 |
| 21+50.000 | 1537.69 | 3346.14 | 3346.14 | 2572.49 | 4896.27 | 204468.34 | 204468.34 | 193983.34 | 10485.01 |
| 22+00.000 | 2622.87 | 3852.38 | 3852.38 | 3074.97 | 5229.13 | 208320.72 | 208320.72 | 199212.46 | 9108.25 |
| 22+50.000 | 2091.02 | 4364.72 | 4364.72 | 1994.23 | 4693.71 | 212685.44 | 212685.44 | 203906.17 | 8779.27 |
| 23+00.000 | 2637.65 | 4378.40 | 4378.40 | 3.67 | 1849.91 | 217063.84 | 217063.84 | 205756.08 | 11307.76 |
| 23+50.000 | 4854.76 | 6937.41 | 6937.41 | 0.00 | 3.40 | 224001.25 | 224001.25 | 205759.48 | 18241.77 |
| 24+00.000 | 3750.47 | 7967.80 | 7967.80 | 0.01 | 0.02 | 231969.05 | 231969.05 | 205759.49 | 26209.56 |
| 24+50.000 | 9.78 | 3481.71 | 3481.71 | 0.55 | 0.52 | 235450.77 | 235450.77 | 205760.02 | 29690.75 |
| 25+00.000 | 0.00 | 9.05 | 9.05 | 0.00 | 0.51 | 235459.82 | 235459.82 | 205760.53 | 29699.29 |

Volume Report

Project: T:\Project Arrow\DWG\Production Drawings\Highway\09056-0039-
 GARDEN GROUND HIGHWALLS\PHASE-2\Drawg\10056-0042-16-BASELINE-N-
 SECTIONS.dwg

Alignment: SITE-7-HIGHWALL-N
 Sample Line Group: SL Collection - 5
 Start Sta: 0+00.000
 End Sta: 15+00.000

| Station | Cut Area (Sq.ft.) | Cut Volume (Cu.yd.) | Reusable Volume (Cu.yd.) | Fill Area (Sq.ft.) | Fill Volume (Cu.yd.) | Cum. Cut Vol. (Cu.yd.) | Cum. Reusable Vol. (Cu.yd.) | Cum. Fill Vol. (Cu.yd.) | Cum. Net Vol. (Cu.yd.) |
|-----------|-------------------|---------------------|--------------------------|--------------------|----------------------|------------------------|-----------------------------|-------------------------|------------------------|
| 0+00.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+50.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1+00.000 | 1101.45 | 1019.86 | 1019.86 | 0.00 | 0.00 | 1019.86 | 1019.86 | 0.00 | 1019.86 |
| 1+50.000 | 1875.32 | 2756.26 | 2756.26 | 0.00 | 0.00 | 3776.12 | 3776.12 | 0.00 | 3776.12 |
| 2+00.000 | 4081.41 | 5515.49 | 5515.49 | 0.00 | 0.00 | 9291.62 | 9291.62 | 0.00 | 9291.61 |
| 2+50.000 | 6007.70 | 9341.77 | 9341.77 | 0.00 | 0.00 | 18633.38 | 18633.38 | 0.00 | 18633.38 |
| 3+00.000 | 5025.39 | 10215.82 | 10215.82 | 0.00 | 0.00 | 28849.20 | 28849.20 | 0.00 | 28849.20 |
| 3+50.000 | 2974.21 | 7407.04 | 7407.04 | 3642.08 | 3372.29 | 36256.24 | 36256.24 | 3372.30 | 32883.94 |
| 4+00.000 | 2054.66 | 4656.36 | 4656.36 | 2699.93 | 5872.22 | 40912.60 | 40912.60 | 9244.52 | 31668.08 |
| 4+50.000 | 1132.66 | 2951.22 | 2951.22 | 1732.41 | 4104.01 | 43863.82 | 43863.82 | 13348.53 | 30515.28 |
| 5+00.000 | 1280.71 | 2234.60 | 2234.60 | 2310.29 | 3743.24 | 46098.42 | 46098.42 | 17091.77 | 29006.65 |
| 5+50.000 | 1169.27 | 2268.50 | 2268.50 | 2388.05 | 4350.32 | 48366.92 | 48366.92 | 21442.09 | 26924.83 |
| 6+00.000 | 1339.64 | 2323.07 | 2323.07 | 1674.38 | 3761.51 | 50689.99 | 50689.99 | 25203.60 | 25486.39 |
| 6+50.000 | 1520.50 | 2648.28 | 2648.28 | 1376.09 | 2824.51 | 53338.27 | 53338.27 | 28028.11 | 25310.16 |
| 7+00.000 | 1811.64 | 3085.32 | 3085.32 | 1443.48 | 2610.71 | 56423.59 | 56423.59 | 30638.82 | 25784.77 |
| 7+50.000 | 1761.86 | 3308.80 | 3308.80 | 1976.47 | 3166.62 | 59732.38 | 59732.38 | 33805.44 | 25926.94 |
| 8+00.000 | 1220.73 | 2761.66 | 2761.66 | 2542.19 | 4183.95 | 62494.04 | 62494.04 | 37989.39 | 24504.65 |
| 8+50.000 | 1410.44 | 2436.27 | 2436.27 | 1348.12 | 3602.14 | 64930.31 | 64930.31 | 41591.53 | 23338.78 |
| 9+00.000 | 1410.59 | 2612.06 | 2612.06 | 1553.06 | 2686.28 | 67542.38 | 67542.38 | 44277.81 | 23264.57 |
| 9+50.000 | 1466.74 | 2664.19 | 2664.19 | 2865.52 | 4091.28 | 70206.56 | 70206.56 | 48369.09 | 21837.48 |
| 10+00.000 | 1192.93 | 2462.66 | 2462.66 | 3368.97 | 5772.68 | 72669.22 | 72669.22 | 54141.77 | 18527.45 |
| 10+50.000 | 1286.98 | 2296.22 | 2296.22 | 2774.41 | 5688.31 | 74965.44 | 74965.44 | 59830.08 | 15135.36 |
| 11+00.000 | 1811.91 | 2869.34 | 2869.34 | 3800.83 | 6088.18 | 77834.78 | 77834.78 | 65918.27 | 11916.51 |
| 11+50.000 | 1746.03 | 3294.39 | 3294.39 | 6810.25 | 9825.07 | 81129.17 | 81129.17 | 75743.34 | 5385.83 |
| 12+00.000 | 2568.93 | 3995.34 | 3995.34 | 6735.76 | 12542.60 | 85124.51 | 85124.51 | 88285.94 | -3161.43 |
| 12+50.000 | 3439.87 | 5563.71 | 5563.71 | 5555.53 | 11380.83 | 90688.22 | 90688.22 | 99666.77 | -8978.55 |
| 13+00.000 | 3975.09 | 6865.71 | 6865.71 | 899.03 | 5976.44 | 97553.92 | 97553.92 | 105643.21 | -8089.29 |
| 13+50.000 | 3279.35 | 6717.07 | 6717.07 | 0.00 | 832.43 | 104271.00 | 104271.00 | 106475.64 | -2204.64 |
| 14+00.000 | 1758.34 | 4664.53 | 4664.53 | 0.03 | 0.02 | 108935.52 | 108935.52 | 106475.67 | 2459.86 |
| 14+50.000 | 743.44 | 2316.46 | 2316.46 | 0.00 | 0.02 | 111251.99 | 111251.99 | 106475.69 | 4776.29 |
| 15+00.000 | 0.00 | 688.37 | 688.37 | 0.00 | 0.00 | 111940.36 | 111940.36 | 106475.69 | 5464.67 |

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : _____
Project: Garden Ground Highwalls Phase II

Bid Date: 5/26/11
Pre-Bid Date: 4/28/11

Name : NOEL RYDER
Company: DAVID L. RYDER CONT INC
Address: PO Box 447
White Sulphur Springs
WV 24986
Phone #: 304-536-9383
Fax #: 304-536-9381
Email : RYDER CONTRACTING @ Sudden Link Mail.com

Name : DERRICK SEARS
Company: FOSTER SUPPLY
Address: PO Box 488
Scott Depot WV 25560
Phone #: 304-553-6565
Fax #: 304-755-8280
Email : dsears@fostersupply.com

~~Name : DAVID H. BOWMAN~~
~~Company: 511 50th Street~~
~~Address: Chas WV 25304~~
~~Phone #: 3~~
~~Fax # : _____~~
~~Email : _____~~

Name : Tommy Burrell
Company: BMCO
Address: P.O. Box 1361
Lumberton N.C. 28359
Phone #: 910-738-6693
Fax #: 910-738-4670
Email : _____

Name : DAVID H. BOWMAN
Company: GREEN MOUNTAIN CO
Address: 511 50th St
Chas WV
25304
Phone #: 304-925-0257
Fax #: 925-9230
Email : DHB722C@ykw.com

Name : Buck Greer
Company: West Contracting Inc
Address: 2608 Airport Rd
Marble NC 28905
Phone #: 919-624-2911
Fax #: 919-851-6739
Email : bgreer@westcontractinginc.com

Name : MIKE FURLONG
Company: ATC ASSOC
Address: 3 TERRI ARNIE
PERCINGTON, NJ
08016
Phone #: 330-620-1232
Fax #: 790-544-6065
Email : _____

Name : Heather Shaffer
Company: EL Robinson Eng
Address: H Woods & EL Robinson.com
Phone #: 304-382-1722
Fax #: _____
Email : _____

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : _____
Project: Garden Ground Highwalls Phase II

Bid Date: 5/26/11
Pre-Bid Date: 4/28/11

Name : Sam Beverage
Company: Hinkle Contracting Co. LLC
Address: P.O. Box 200
Paris, Ky 40362-9989

Name : DENNIS ELBON
Company: CONCRETE LP INC
Address: PO Box 245
SIMPSON WV 26455

Phone #: 606-305-1102
Fax #: _____
Email : ~~Sam Beverage~~ @hinkle
contracting.com

Phone#: 304-759-4397
Fax #: 304-759-4401
Email : DCE-CONCRETE@EARTHINK.NET

Name : JAMES COOPER
Company: TRI-STATE PIPELINE, INC
Address: 6351 US Rt 60, East Suite 3
Barboursville, WV 25504

Name : Randy Carpenter
Company: Carpenter Reclamation
Address: PO BX 13015
Sissonville, WV
25360

Phone #: 304-733-6801
Fax #: 304-733-6803
Email : jamescooper@tri-statepipeline.com

Phone#: 304-984-1115
Fax #: 984-2770
Email : RCarpenter102@aol.com

Name : Matt Evans
Company: Pro Contracting Inc
Address: PO Box 2442
Clarksburg WV
26302

Name : STEVE SZABO
Company: A.L.L. CONSTRUCTION INC
Address: P.O. Box 232
MT. STORM, WV 26739

Phone #: 304 622-2400
Fax #: 304 622-2410
Email : MEVANS4@mcilcity.com

Phone#: 304 693-7131
Fax #: 304 693-7199
Email : all.estimator@frontier.com

Name : Chris Honaker
Company: BOTR Inc.
Address: 35 Rainbow Rd
Beaver WV 25813

Name : Greg Miller
Company: J.F. Allen Co.
Address: PO Box 2049
Buckhannon WV 26201

Phone #: 304 731 5194
Fax #: 304 763 9003
Email : Chonaker@BOTRinc.com

Phone#: 304-472-8890
Fax #: 304-472-8897
Email : gmiller@jfallenco.com

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : _____
 Project: Garden Ground Highwalks Phase II

Bid Date: 5/26/11
 Pre-Bid Date: 4/28/11

Name : Ann WARDWICK
 Company: EASTERN ARROW
 Address: 70 BOX 4108
CHARLSTON WV
25364
 Phone #: 304-414-0255
 Fax #: 0256
 Email : easternarrow@hotmail

Name : Greg Byers
 Company: Lynch Construction Co, Inc
 Address: Hc 70 Box 187
White Sulphur Springs
WV 24986
 Phone#: 304-536-1896
 Fax #: 304-536-9156
 Email : john@lynchconstruction, wv

Name : DAVID LAWMAN
 Company: KANAWHA STONE CO.
 Address: P.O. BOX 503
NITRO WV 25143

Name : _____
 Company: _____
 Address: _____

Phone #: 304-755-8271
 Fax #: 304-755-8274
 Email : david.lawman@kanawhastone.com

Phone#: _____
 Fax #: _____
 Email : _____

Name : Tim Shires
 Company: DCI/SHIRES
 Address: P.O. Box 1259
Bluefield WV
24701

Name : _____
 Company: _____
 Address: _____

Phone #: 304-323-1996
 Fax #: 304-323-3037
 Email : timshires@dcishires.com

Phone#: _____
 Fax #: _____
 Email : _____

Name : Bob Cartenberg
 Company: DCI SHIRES
 Address: 1259
Bluefield wva 24701

Name : _____
 Company: _____
 Address: _____

Phone #: 304-323-1996
 Fax #: 304-323-3037
 Email : Bob Cartenberg @ gmail.com

Phone#: _____
 Fax #: _____
 Email : _____

See Attachment

Agency _____
REQ.P.O# _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, _____
of _____, _____, as Principal, and _____
of _____, _____, a corporation organized and existing under the laws of the State of _____
with its principal office in the City of _____, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of _____ (\$ _____) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this
_____ day of _____, 20_____.

Principal Corporate Seal

(Name of Principal)

By _____

(Must be President or
Vice President)

(Title)

Surety Corporate Seal

(Name of Surety)

Attorney-in-Fact

**IMPORTANT - Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals
must be affixed, a power of attorney must be attached.**

BID BOND PREPARATION INSTRUCTIONS

AGENCY _____ (A)
 RFQ/RFP# _____ (B)

Bid Bond

- (A) WV State Agency
 (Stated on Page 1 "Spending Unit")
 Request for Quotation Number (upper
 right corner of page #1)
- (C) Your Company Name
- (D) City, Location of your Company
- (E) State, Location of your Company
- (F) Surety Corporate Name
- (G) City, Location of Surety
- (H) State, Location of Surety
- (I) State of Surety Incorporation
- (J) City of Surety Incorporation
- (K) Minimum amount of acceptable bid
 bond is 5% of total bid. You may state
 "5% of bid" or a specific amount on
 this line in words.
- (L) Amount of bond in figures
- (M) Brief Description of scope of work
- (N) Day of the month
- (O) Month
- (P) Year
- (Q) Name of Corporation
- (R) Raised Corporate Seal of Principal
- (S) Signature of President or Vice
 President
- (T) Title of person signing
- (U) Raised Corporate Seal of Surety
- (V) Corporate Name of Surety
- (W) Signature of Attorney in Fact of the
 Surety

NOTE: Dated, Power of Attorney with Raised
 Surety Seal must accompany this bid
 bond.

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned,
 _____ (C) of _____ (D), _____ (E),
 as Principal, and _____ (F) of _____ (G),
 _____ (H), a corporation organized and existing under the laws
 of the State of _____ (I) with its principal office in the City of
 _____ (J), as Surety, are held and firmly bound unto The State
 of West Virginia, as Obligee, in the penal sum of _____ (K)
 (\$ _____ (L)) for the payment of which, well and truly to be made,
 we jointly and severally bind ourselves, our heirs, administrators, executors,
 successors and assigns.

The Condition of the above obligation is such that whereas the Principal
 has submitted to the Purchasing Section of the Department of Administration
 a certain bid or proposal, attached hereto and made a part hereof to enter into a
 contract in writing for _____ (M)

NOW THEREFORE.

(a) If said bid shall be rejected, or
 (b) If said bid shall be accepted and the Principal shall enter into a
 contract in accordance with the bid or proposal attached hereto and shall furnish
 any other bonds and insurance required by the bid or proposal, and shall in all
 other respects perform the agreement created by the acceptance of said bid then
 this obligation shall be null and void, otherwise this obligation shall remain in full
 force and effect. It is expressly understood and agreed that the liability of the
 Surety for any and all claims hereunder shall, in no event, exceed the penal
 amount of this obligation as herein stated

The Surety for value received, hereby stipulates and agrees that the
 obligations of said Surety and its bond shall be in no way impaired or affected by
 any extension of time within which the Obligee may accept such bid: and said
 Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their
 hands and seals, and such of them as are corporations have caused their corporate
 seals to be affixed hereto and these presents to be signed by their proper officers,
 this _____ (N) day of _____ (O), 20 _____ (P).

Principal Corporate Seal

(R)

(U)
 Surety Corporate Seal

_____ (Q)
 (Name of Principal)
 By _____ (S)
 (Must be President or
 Vice President)
 _____ (T)
 Title
 _____ (V)
 (Name of Surety)
 _____ (W)
 Attorney-in-Fact

IMPORTANT – Surety executing bonds must be licensed in West Virginia to
 transact surety insurance. Raised Corporate Seals must be affixed and a Power of
 Attorney must be attached.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Carpenter Reclamation, Inc
of PO Box 13015 Sissonville, WV 25360, as Principal, and Travelers Casualty and Surety Company
of America 119 Virginia Street W., Charleston WV, a corporation organized and existing under the laws of the State of Connecticut
with its principal office in the City of Hartford, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of Five Percent (\$ 5%) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
DEP15407, Garden Ground Highwalls PH II in Fayette County, according to plans and specifications.

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this
27th day of June, 2011.

Principal Corporate Seal

Carpenter Reclamation
(Name of Principal)

By Kelley Carpenter
Kelley Carpenter (Must be President or
Vice President)

President
(Title)

Surety Corporate Seal

Travelers Casualty and Surety Company of America
(Name of Surety)

Ross E. Johnson
Ross E. Johnson Attorney-in-Fact

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Corporate seals must be affixed,
and a power of attorney must be attached.

POWER OF ATTORNEY



Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 222736

Certificate No. 003842132

KNOW ALL MEN BY THESE PRESENTS: That St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, that Farmington Casualty Company, Travelers Casualty and Surety Company, and Travelers Casualty and Surety Company of America are corporations duly organized under the laws of the State of Connecticut, that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Ross E. Johnson, Patrick B. Kee, Kathryn K. Arthur, and Beverly A. Holstine

of the City of Charleston, State of West Virginia, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 17th day of August, 2010.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
George W. Thompson, Senior Vice President

On this the 17th day of August, 2010, before me personally appeared George W. Thompson, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2011.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kori M. Johanson, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 27th day of June, 20 11.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER


Kori M. Johanson, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF WV

COUNTY OF Kanawha, TO-WIT:

I, Kelley Carpenter, after being first duly sworn, depose and state as follows:

- 1. I am an employee of Carpenter Reclamation; and,
(Company Name)
- 2. I do hereby attest that Carpenter Reclamation
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code §21-1D-5**.

The above statements are sworn to under the penalty of perjury.

Carpenter Reclamation
(Company Name)

By: Kelley Carpenter
Kelley Carpenter

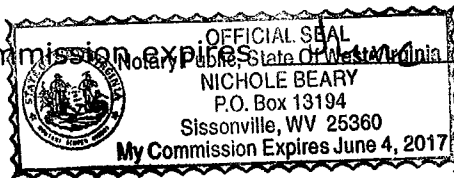
Title: President

Date: 6-30-11

Taken, subscribed and sworn to before me this 30 day of June.

By Commission Expires June 4, 2017

(Seal)



Nichole Beary
(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

RFQ No. DEP 15407

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Carpenter Reclamation, Inc.

Authorized Signature: Kelly Carpenter Date: 6-30-11

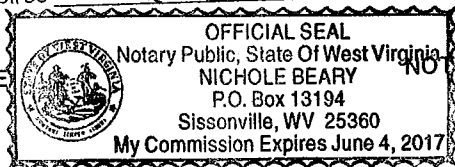
State of WV

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 30 day of June, 2011

My Commission expires June 4, 2017

AFFIX SEAL HERE



NOTARY PUBLIC

Nichole Beary