



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

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

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	FOB	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		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

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

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm 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 on 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).

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 1 of 12

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”.

**Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2**

Page 2 of 12

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).

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 3 of 12

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).

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 4 of 12

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.

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 5 of 12

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.

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 6 of 12

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.”

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 7 of 12

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."

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 8 of 12

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.”

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 9 of 12

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”.

**Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2**

Page 10 of 12

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.

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 11 of 12

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.

Req # DEP 15407
Garden Ground Highwalls Phase II
Addendum #2

Page 12 of 12

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

		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-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	-
2+50.000	0.00	0.58	0.58	0.00	514.10	7543.71	7543.71	14668.35	-

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-J4

Sample Line Group: SL Collection - BASELINE-J4

Start Sta: 0+00.000

End Sta: 3+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	2491.98	0.00	0.00	206.97	0.00	0.00	0.00	0.00	0.00
0+50.000	3144.15	5218.64	5218.64	2113.77	2148.83	5218.64	5218.64	2148.83	3069.81
1+00.000	2110.94	4865.83	4865.83	3611.00	5300.71	10084.46	10084.46	7449.54	2634.92
1+50.000	975.56	2857.88	2857.88	3428.88	6518.40	12942.34	12942.34	13967.95	-1025.61
2+00.000	194.01	1082.94	1082.94	2665.37	5642.82	14025.28	14025.28	19610.77	-5585.49
2+50.000	24.25	202.10	202.10	1625.54	3973.06	14227.38	14227.38	23583.83	-9356.45
3+00.000	2.43	24.70	24.70	982.13	2414.51	14252.08	14252.08	25998.34	11746.26
3+50.000	0.00	2.25	2.25	0.00	909.38	14254.33	14254.33	26907.72	12653.39

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
-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.oidham\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

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

									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

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

									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

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

									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\Drawg\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

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	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\DWg\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\Dwg\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

<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	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 HIGHWALLSPHASE-2\Dwg\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

GARDEN GROUND HIGHWALLS PHASE II - ADDENDUM NO. 2

Contractor's Bid Sheet

Company Name: _____

Address: _____

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

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	254,525 LF	Straw Wattles		\$
5.2	58,000 LF	Super Silt Fence		\$
5.3	820 EA	Triangular Silt Dikes		\$
5.4	175 EA	Sediment Sumps		\$
5.5	4,485 SY	Permanent Erosion Control Matting		\$
5.6	1 EA	Temporary Sediment Pond		\$
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	54 EA	Bat Gate Mine Seal		\$
9.3	6 EA	Wet Mine Seal		\$
9.4	7 EA	Wet Mine Seal with Bat Gate		\$
9.5	1,330 LF	12-inch Mine Conveyance Pipe		\$
11.0	2,600 LF	Underdrain		\$
TOTAL				\$

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : _____

Bid Date: 5/26/11Project: Garden Ground Highwalls Phase IIPre-Bid Date: 4/28/11

Name : NOEL RYDER
 Company: DAVID L. RYDER CONT INC
 Address: PO Box 447
White Sulphur Springs
WV 24986

Phone #: 304-536-9383Fax #: 304-536-9381Email : RYDER CONTRACTING @ Sudden Link MAIL.COM

Name : DERICK SEARS
 Company: FOSTER SUPPLY
 Address: PO Box 488
Scott Depot WV 25560

Phone#: 304-553-6565Fax #: 304-755-8280Email : 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: PO. BOX 1361
Lumberton N.C. 28359

Phone#: 910-738-6693Fax #: 910-738-4670

Email : _____

Name : DAVID H. BOWMAN
 Company: Green Mountain Co
 Address: 511 50th ST
Chas WV
25304

Phone #: 304-925-0253Fax #: 925-9230Email : DHB722C@kw.com

Name : Buck Greer
 Company: West Contracting Inc
 Address: 2608 Airport Rd
Marble NC 28905

Phone#: 919-624-2911Fax #: 919-851-6739Email : bgreer@westcontractinginc.com

Name : MIKE FURCONE
 Company: ATC ASSOC.
 Address: 3 TERRI ARMS
BIRKINGTONY NJ
08016

Phone #: 330-620-1232Fax #: 790-544-6065

Email : _____

Name : Heather Shaffer
 Company: EL Robinson Eng
 Address: Hwoods @ EL Robinson.com

Phone#: 304-382-1722

Fax #: _____

Email : _____

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

PRINT LEGIBLY

RFQ # : _____
 Project: Garden Ground Highwalk 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

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

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

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

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

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

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

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

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

Phone#: 304-789-4397
 Fax #: 304-739-4401
 Email : DCE-COWGIRL@EARTHINK.NET

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

Phone#: 304-984-1115
 Fax #: 984-2770
 Email : Rcarpen107@aol.com

Name : STEVE SZABO
 Company: A.L.L. Construction Inc.
 Address: P.O. Box 232
Mt. Storm, WV 26739

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

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

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 Highwalls Phase II

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

Name : Ann Wazowski
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, inc

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

Name : _____
Company: _____
Address: _____
Phone#: _____
Fax #: _____
Email : _____

Phone #: 304-755-8271
Fax #: 304-755-8274
Email : David.lawman@kanawhaStone.com

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

Name : _____
Company: _____
Address: _____
Phone#: _____
Fax #: _____
Email : _____

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

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

Name : _____
Company: _____
Address: _____
Phone#: _____
Fax #: _____
Email : _____

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