



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  
 DEP13727

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 | F.O.B | FREIGHT TERMS |
|--------------|---------------|----------|-------|---------------|
| 05/22/2006   |               |          |       |               |

BID OPENING DATE: 06/01/2006 BID OPENING TIME 01:30PM

| LINE  | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|--------|
| 0001  | 1        | JB  |        | 962-73      |            |        |
| ***** ADDENDUM NO. 2 *****<br>PLEASE NOTE: ONLY PAGE ONE OF THIS ADDENDUM IS BEING FAXED TO ALERT THE VENDOR COMMUNITY OF THE CHANGED BID DATE AND TIME. THE FULL INFORMATIONAL ADDENDUM IS BEING MAILED.<br>ADDENDUM ISSUED TO DISTRIBUTE THE FOLLOWING FOUR (4) PAGES CLARIFYING STREAM LOCATION ON DRWGS E-E21 & E-E22 (SITE NO.4) AND ELEVEN (11) PAGES OF ENGINEER EARTH-WORK CALCULATIONS.<br>BID DATE IS EXTENDED FROM 05/23/06 TO 06/01/2006<br>BID OPENING TIME REMAINS 1:30 PM.<br>***** NO OTHER CHANGES ***** |          |     |        |             |            |        |
| RECLAMATION: RESTORATION OF LAND & OTHER PROPERTIES<br>***** THIS IS THE END OF RFQ DEP13727 ***** TOTAL:   |          |     |        |             |            |        |

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. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required registration fee. (Effective June 8, 2006, the fee will change from \$45.00 to \$125.00 pursuant to House Bill 4031.)
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, 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.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** 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. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **DUPLICATE BIDS:** All quotations must be delivered by the bidder to the respective offices 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.

**ORIGINAL SIGNED BID TO:**

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

**DUPLICATE BID TO:**

State Auditor's Office  
Bid Observer  
Building 1 Room W114  
1900 Kanawha Boulevard, East  
Charleston, WV 25305-0230

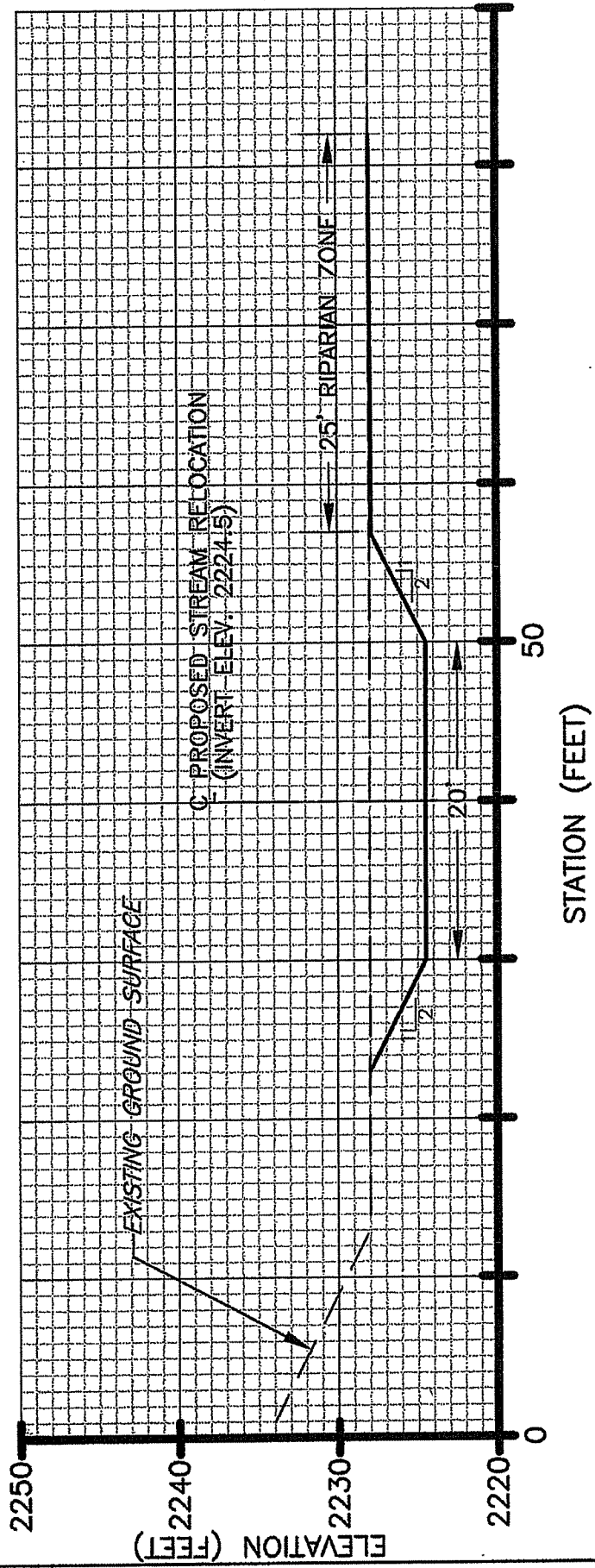
NOTICE: Beginning June 8, 2006, there is no need to submit a duplicate bid to the State Auditor's Office pursuant to House Bill 4031.

**Bearwallow Branch Refuse Pile Project  
DEP13727**



**ADDENDUM #2  
May 19, 2006**

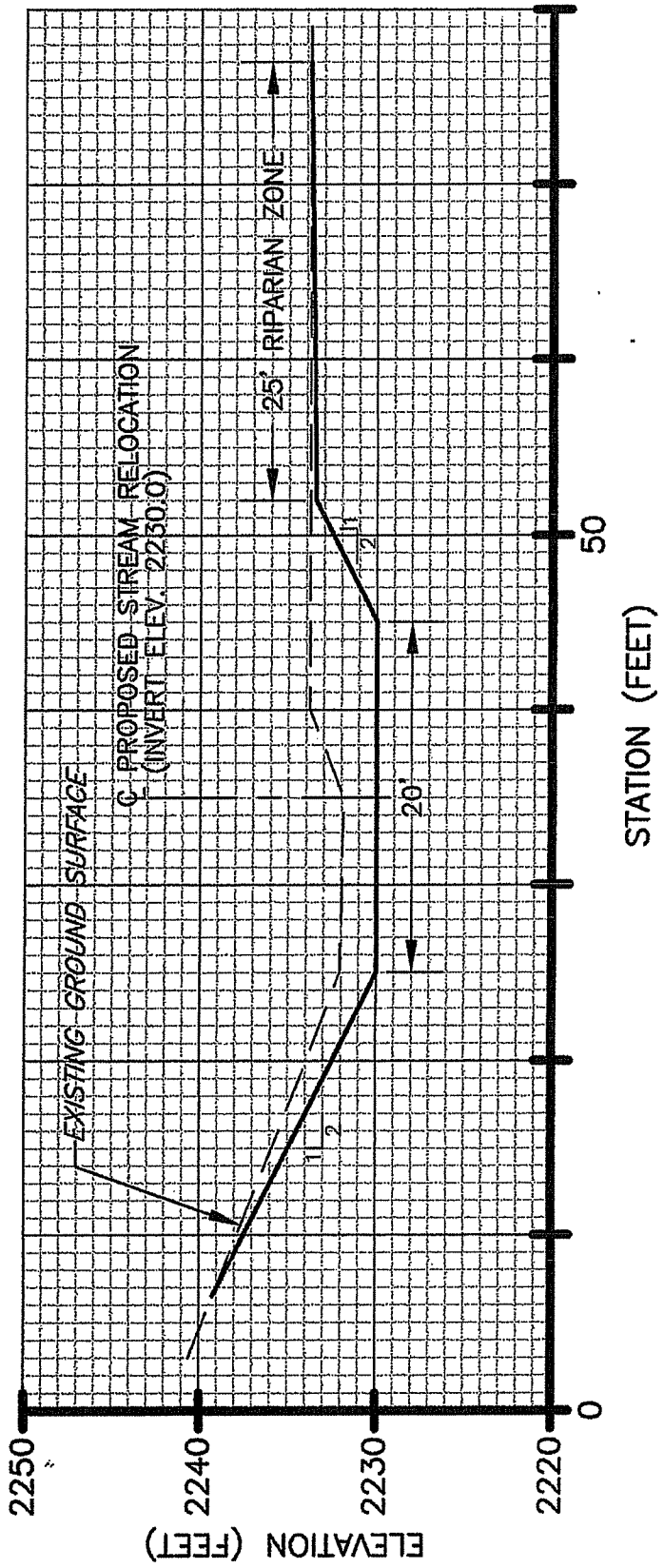
The following Drawings shall be included within the Contract Documents for the purpose of clarifying the construction of the Stream Relocation as shown on Drawings E-E21 and E-E22 (Site No. 4):

- Drawing E-A13 (Cross Section – Stream Relocation Station 11+10.0)
- Drawing E-A14 (Cross Section – Stream Relocation Station 14+00.0)
- Drawing E-A15 (Cross Section – Stream Relocation Station 15+35.0)
- Drawing E-A16 (Cross Section – Stream Relocation Station 17+70.0)





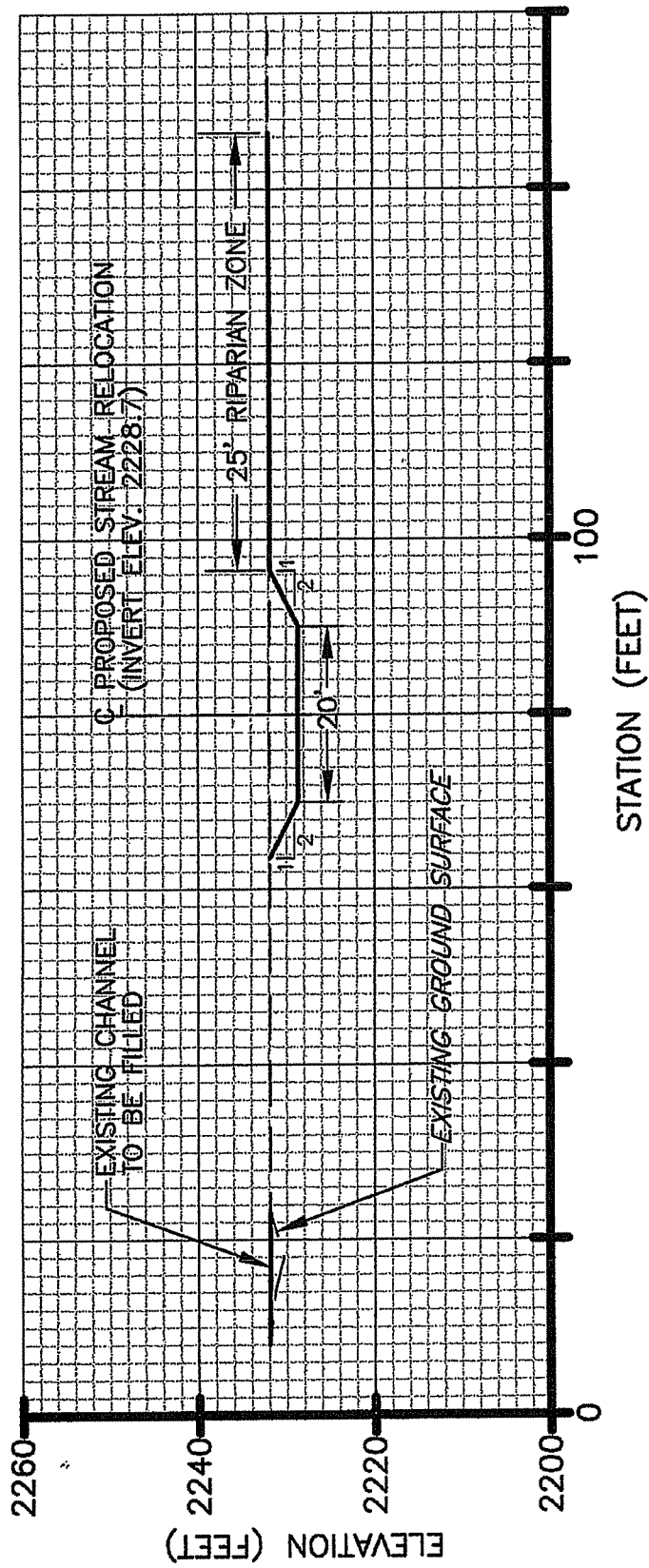
NOTE:  
THE EXISTING GROUND SURFACE HAS BEEN  
APPROXIMATED FROM THE AVAILABLE INFORMATION.

|  |   |  |  |   |                          |                             |
|--|---|--|--|---|--------------------------|-----------------------------|
| <br><b>gai consultants</b><br>2412 Charlestonfield Avenue<br>Charleston, WV 25304<br>304-926-8100 | CROSS SECTION—STREAM RELOCATION STATION 17+70.0<br>BEARWALLOW BRANCH REFUSE PILE<br>McDOWELL COUNTY, WEST VIRGINIA                  |  |  | DWN. ETC.<br>SCALE: 1" = 10'  | CHKD. BDG.<br>APPD. BDG. | DATE 5/19/06<br>TASK NO. XX |
|  | WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION<br>OFFICE OF ABANDONED MINE LANDS AND RECLAMATION<br>CHARLESTON, WEST VIRGINIA |  |  | PROJECT NO./DASH NO. E030154.10<br>DRAWING NO. E-A16<br>REV  |                          |                             |





NOTE:  
THE EXISTING GROUND SURFACE HAS BEEN  
APPROXIMATED FROM THE AVAILABLE INFORMATION.

|  |   |                   |  |   |
|--|---|-------------------|--|---|
| <br>gai consultants<br>2412 Charleston Avenue<br>Charleston, WV 25304<br>304-926-8100 | CROSS SECTION--STREAM RELOCATION STATION 11+10.0<br>BEARWALLOW BRANCH REFUSE PILE<br>McDOWELL COUNTY, WEST VIRGINIA                 |                   |  | DWN. ETC. CHKD. BDG. APPD. BDG. DATE 5/19/06  |
|  | WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION<br>OFFICE OF ABANDONED MINE LANDS AND RECLAMATION<br>CHARLESTON, WEST VIRGINIA |                   |  | SCALE: 1" = 10'<br>TASK NO. XX  |
| PROJECT NO./DASH NO. E030154.10  |   | DRAWING NO. E-A13 |  | REV  |



NOTE:  
THE EXISTING GROUND SURFACE HAS BEEN  
APPROXIMATED FROM THE AVAILABLE INFORMATION.

|  |   |  |  |   |
|--|---|--|--|---|
| <br><b>gai consultants</b><br>3412 Chestnutfield Avenue<br>Charleston, WV 25304<br>304-926-6100 | <b>CROSS SECTION—STREAM RELOCATION STATION 14+00.0</b><br>BEARWALLOW BRANCH REFUSE PILE<br>McDOWELL COUNTY, WEST VIRGINIA           |  |  | DWN. ETC. _____<br>CHKD. BDG. _____<br>APPD. BDG. _____<br>DATE 5/19/06   |
|  | WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION<br>OFFICE OF ABANDONED MINE LANDS AND RECLAMATION<br>CHARLESTON, WEST VIRGINIA |  |  | SCALE: 1" = 20'<br>TASK NO. XX<br>PROJECT NO./DASH NO. E030154.10<br>DRAWING NO. E-A14<br>REV  |

Earthwork Calculations

Bearwallow  
Site 2 - Coarse Refuse Cut Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>CUT AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) | SHRINK<br>TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------|-----------------|---------------------------|
|    | 10+00   | 0                            | 0              | 0                                 | 0                              | 13                        | 50                          | 25               |                 |                           |
|    | 10+50   | 29                           | -3             | -2                                | 27                             | 31                        | 50                          | 57               |                 |                           |
|    | 11+00   | 38                           | -2             | -1                                | 35                             | 41                        | 50                          | 75               |                 |                           |
|    | 11+50   | 44                           | 3              | 2                                 | 46                             | 59                        | 50                          | 108              |                 |                           |
|    | 12+00   | 59                           | 16             | 12                                | 71                             | 82                        | 50                          | 153              |                 |                           |
|    | 12+50   | 84                           | 14             | 10                                | 94                             | 87                        | 50                          | 162              |                 |                           |
|    | 13+00   | 71                           | 13             | 10                                | 81                             | 74                        | 50                          | 137              |                 |                           |
|    | 13+50   | 50                           | 23             | 18                                | 68                             | 70                        | 50                          | 129              |                 |                           |
|    | 14+00   | 65                           | 10             | 7                                 | 72                             | 68                        | 50                          | 126              |                 |                           |
|    | 14+50   | 57                           | 9              | 7                                 | 64                             | 83                        | 50                          | 154              |                 |                           |
|    | 15+00   | 90                           | 17             | 13                                | 103                            | 186                       | 50                          | 345              |                 |                           |
|    | 15+50   | 240                          | 41             | 30                                | 270                            | 316                       | 50                          | 586              |                 |                           |
|    | 16+00   | 314                          | 64             | 48                                | 362                            | 601                       | 50                          | 1,113            |                 |                           |
|    | 16+50   | 771                          | 91             | 68                                | 840                            | 626                       | 25                          | 764              |                 |                           |
|    | 16+75   | 748                          | 85             | 64                                | 812                            | 491                       | 25                          | 455              |                 |                           |
|    | 17+00   | 145                          | 34             | 28                                | 171                            | 85                        | 25                          | 79               |                 |                           |
|    | 17+50   | 0                            | 0              | 0                                 | 0                              |                           |                             |                  |                 |                           |

4,468      3,787  
1070

4,857

Note: 20.6 feet of soil removed for each section due to riprap template  
 Note: Riprap template adds 20.6 x 700 feet = 535 cy / foot of thickness  
 Assume 2-foot thick



Bearwallow  
Site 2 - Coarse Refuse Fill Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>FILL AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------|------------------|-----------------|
|    | 10+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 10+50   | 0                            | 0              | 0                                 | 0                               | 36                        | 50                          | 66               |                 |
|    | 11+00   | 93                           | 29             | 22                                | 71                              | 80                        | 50                          | 149              |                 |
|    | 11+50   | 123                          | 45             | 34                                | 90                              | 114                       | 50                          | 211              |                 |
|    | 12+00   | 187                          | 65             | 49                                | 138                             | 171                       | 50                          | 316              |                 |
|    | 12+50   | 276                          | 96             | 72                                | 203                             | 278                       | 50                          | 515              |                 |
|    | 13+00   | 445                          | 123            | 92                                | 353                             | 380                       | 50                          | 704              |                 |
|    | 13+50   | 516                          | 145            | 108                               | 408                             | 469                       | 50                          | 868              |                 |
|    | 14+00   | 647                          | 156            | 117                               | 530                             | 454                       | 50                          | 841              |                 |
|    | 14+50   | 464                          | 114            | 66                                | 378                             | 288                       | 50                          | 533              |                 |
|    | 15+00   | 258                          | 81             | 61                                | 198                             | 122                       | 50                          | 226              |                 |
|    | 15+50   | 72                           | 33             | 25                                | 47                              | 31                        | 50                          | 58               |                 |
|    | 16+00   | 43                           | 36             | 27                                | 16                              | 8                         | 50                          | 15               |                 |
|    | 16+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 25                          | 0                |                 |
|    | 16+75   | 0                            | 0              | 0                                 | 0                               | 57                        | 25                          | 53               |                 |
|    | 17+00   | 152                          | 50             | 38                                | 115                             | 57                        | 50                          | 106              |                 |
|    | 17+50   | 0                            | 0              | 0                                 | 0                               |                           |                             |                  |                 |

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4,661

Bearwallow  
Site 3 - Coarse Refuse Cut Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>CUT AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) | SHRINK<br>TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------|-----------------|---------------------------|
|    | 9+00    | 0                            | 0              | 0                                 | 0                              |                           |                             |                  |                 |                           |
|    | 9+50    | 495                          | 112            | 84                                | 579                            | 290                       | 50                          | 536              |                 |                           |
|    | 10+00   | 890                          | 104            | 78                                | 768                            | 674                       | 50                          | 1,247            |                 |                           |
|    | 10+50   | 1,412                        | 175            | 131                               | 1,543                          | 1,156                     | 50                          | 2,140            |                 |                           |
|    | 11+00   | 848                          | 92             | 69                                | 917                            | 1,230                     | 50                          | 2,278            |                 |                           |
|    | 11+50   | 1,227                        | 131            | 98                                | 1,325                          | 1,121                     | 50                          | 2,076            |                 |                           |
|    | 12+00   | 138                          | 47             | 35                                | 173                            | 749                       | 50                          | 1,388            |                 |                           |
|    | 12+50   | 73                           | 41             | 31                                | 104                            | 139                       | 50                          | 256              |                 |                           |
|    | 13+00   | 151                          | 59             | 44                                | 195                            | 150                       | 50                          | 277              |                 |                           |
|    | 13+50   | 775                          | 176            | 132                               | 907                            | 551                       | 50                          | 1,021            |                 |                           |
|    | 14+00   | 1,490                        | 178            | 134                               | 1,624                          | 1,265                     | 50                          | 2,343            |                 |                           |
|    | 14+50   | 1,602                        | 180            | 135                               | 1,737                          | 1,680                     | 50                          | 3,112            |                 |                           |
|    | 15+00   | 2,506                        | 314            | 236                               | 2,742                          | 2,239                     | 50                          | 4,147            |                 |                           |
|    | 15+50   | 2,510                        | 242            | 182                               | 2,692                          | 2,717                     | 50                          | 5,031            |                 |                           |
|    | 16+00   | 1,049                        | 216            | 162                               | 1,211                          | 1,951                     | 50                          | 3,613            |                 |                           |
|    | 16+50   | 35                           | 52             | 39                                | 74                             | 643                       | 50                          | 1,190            |                 |                           |
|    | 17+00   | 0                            | 0              | 0                                 | 0                              | 37                        | 50                          | 69               |                 |                           |
|    |         |                              |                |                                   |                                |                           |                             |                  | <u>30,723</u>   | <u>26,036</u>             |

Bearwallow  
Site 3 - Coarse Refuse Fill Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>FILL AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------|------------------|-----------------|
|    | 9+00    | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 9+50    | 0                            | 0              | 0                                 | 0                               | 1,137                     | 50                          | 2,108            |                 |
|    | 10+00   | 924                          | 153            | 115                               | 809                             | 2,019                     | 50                          | 3,739            |                 |
|    | 10+50   | 2,397                        | 163            | 122                               | 2,275                           | 2,145                     | 50                          | 3,972            |                 |
|    | 11+00   | 3,464                        | 313            | 235                               | 3,229                           | 2,622                     | 50                          | 4,855            |                 |
|    | 11+50   | 2,223                        | 278            | 209                               | 2,015                           | 1,672                     | 50                          | 3,096            |                 |
|    | 12+00   | 1,584                        | 340            | 255                               | 1,329                           | 1,383                     | 50                          | 2,560            |                 |
|    | 12+50   | 1,695                        | 345            | 259                               | 1,436                           | 1,129                     | 50                          | 2,091            |                 |
|    | 13+00   | 1,028                        | 275            | 206                               | 822                             | 680                       | 50                          | 1,260            |                 |
|    | 13+50   | 646                          | 143            | 107                               | 539                             | 426                       | 50                          | 788              |                 |
|    | 14+00   | 401                          | 118            | 89                                | 313                             | 156                       | 50                          | 289              |                 |
|    | 14+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 15+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 15+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 16+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 16+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 17+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |

24,757

Bearwallow  
Site # (On Flat) - Coarse Refuse Cut Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>CUT AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) | SHRINK<br>TOTAL<br>(C.Y.) |        |
|----|---------|------------------------------|----------------|-----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------|-----------------|---------------------------|--------|
|    | 10+00   | 0                            | 0              | 0                                 | 0                              | 41                        | 50                          | 76               |                 |                           |        |
|    | 10+50   | 31                           | 68             | 51                                | 82                             | 254                       | 50                          | 489              |                 |                           |        |
|    | 11+00   | 329                          | 128            | 96                                | 425                            | 858                       | 60                          | 1,774            |                 |                           |        |
|    | 11+50   | 1,252                        | 318            | 239                               | 1,491                          | 1,625                     | 50                          | 3,009            |                 |                           |        |
|    | 12+00   | 1,569                        | 253            | 190                               | 1,759                          | 879                       | 25                          | 814              |                 |                           |        |
|    | 12+25   | 17                           | 118            | 89                                | 106                            | 53                        | 25                          | 49               |                 |                           |        |
|    | 12+50   | 0                            | 0              | 0                                 | 0                              | 0                         | 50                          | 0                |                 |                           |        |
|    | 13+00   | 0                            | 0              | 0                                 | 0                              |                           |                             |                  |                 |                           |        |
|    |         |                              |                |                                   |                                |                           |                             |                  | 6,191           | 5,246                     | w/ 18% |

Note: STA 10+00 matches to Baseline (on hill) therefore no 9+50 is used for average end

012

Bearwallow  
Site # (On Flat) - Coarse Refuse Fill Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>FILL AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------|------------------|-----------------|
|    | 10+00   | 684                          | 215            | 161                               | 523                             | 775                       | 50                          | 1,438            |                 |
|    | 10+50   | 908                          | 171            | 128                               | 780                             | 543                       | 50                          | 1,005            |                 |
|    | 11+00   | 1,111                        | 111            | 83                                | 1,028                           | 667                       | 50                          | 1,235            |                 |
|    | 11+50   | 380                          | 99             | 74                                | 306                             | 369                       | 50                          | 684              |                 |
|    | 12+00   | 574                          | 188            | 141                               | 433                             | 228                       | 25                          | 211              |                 |
|    | 12+25   | 174                          | 201            | 151                               | 23                              | 323                       | 25                          | 299              |                 |
|    | 12+50   | 284                          | 96             | 72                                | 212                             | 106                       | 50                          | 196              |                 |
|    | 13+00   | 0                            | 0              | 0                                 | 0                               |                           |                             |                  |                 |
|    |         |                              |                |                                   |                                 |                           |                             |                  | <u>5,066</u>    |

Note: STA 10+00 matches to Baseline (on hill) therefore no 9+50 is used for average end

013

Bearwallow  
Site # (On Hill) - Coarse Refuse Cut Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>CUT AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) | SHRINK<br>TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------|-----------------|---------------------------|
|    | 10+50   | 0                            | 0              | 0                                 | 0                              | 97                        | 50                          | 179              |                 |                           |
|    | 11+00   | 128                          | 88             | 86                                | 194                            | 122                       | 50                          | 225              |                 |                           |
|    | 11+50   | 30                           | 26             | 20                                | 50                             | 25                        | 50                          | 48               |                 |                           |
|    | 12+00   | 0                            | 0              | 0                                 | 0                              | 192                       | 50                          | 356              |                 |                           |
|    | 12+50   | 303                          | 109            | 82                                | 385                            | 214                       | 50                          | 397              |                 |                           |
|    | 13+00   | 20                           | 32             | 24                                | 44                             | 107                       | 50                          | 198              |                 |                           |
|    | 13+50   | 110                          | 80             | 60                                | 170                            | 188                       | 50                          | 349              |                 |                           |
|    | 14+00   | 151                          | 75             | 56                                | 207                            | 145                       | 50                          | 288              |                 |                           |
|    | 14+50   | 55                           | 37             | 28                                | 83                             | 41                        | 50                          | 77               |                 |                           |
|    | 15+00   | 0                            | 0              | 0                                 | 0                              |                           |                             |                  |                 |                           |
|    |         |                              |                |                                   |                                |                           |                             |                  | 2,096           | 1,778                     |

Bearwallow  
Site # (On Hill) - Coarse Refuse Fill Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>FILL AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------|------------------|-----------------|
|    | 10+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 11+00   | 0                            | 0              | 0                                 | 0                               | 72                        | 50                          | 133              |                 |
|    | 11+50   | 235                          | 121            | 91                                | 144                             | 331                       | 50                          | 612              |                 |
|    | 12+00   | 655                          | 184            | 138                               | 517                             | 373                       | 50                          | 690              |                 |
|    | 12+50   | 296                          | 90             | 68                                | 228                             | 114                       | 50                          | 212              |                 |
|    | 13+00   | 23                           | 30             | 23                                | 1                               | 0                         | 50                          | 1                |                 |
|    | 13+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 14+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 14+50   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |
|    | 15+00   | 0                            | 0              | 0                                 | 0                               | 0                         | 50                          | 0                |                 |

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 1,648

Bearwallow  
Site 7 - Coarse Refuse Cut Volume

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| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>CUT AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) | SHRINK<br>TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|--------------------------------|---------------------------|-----------------------------|------------------|-----------------|---------------------------|
|    | 9+50    | 0                            | 0              | 0                                 | 0                              | 660                       | 50                          | 1,222            |                 |                           |
|    | 10+00   | 1,191                        | 171            | 128                               | 1,319                          | 2,005                     | 50                          | 3,712            |                 |                           |
|    | 10+50   | 2,521                        | 225            | 169                               | 2,690                          | 1,921                     | 50                          | 3,556            |                 |                           |
|    | 11+00   | 1,056                        | 127            | 95                                | 1,151                          | 1,379                     | 50                          | 2,554            |                 |                           |
|    | 11+50   | 1,489                        | 157            | 118                               | 1,607                          | 1,493                     | 50                          | 2,764            |                 |                           |
|    | 12+00   | 1,279                        | 133            | 100                               | 1,379                          | 1,466                     | 50                          | 2,715            |                 |                           |
|    | 12+50   | 1,435                        | 158            | 119                               | 1,554                          | 1,193                     | 50                          | 2,210            |                 |                           |
|    | 13+00   | 740                          | 124            | 93                                | 833                            | 417                       | 50                          | 771              |                 |                           |
|    | 13+50   | 0                            | 0              | 0                                 | 0                              |                           |                             |                  |                 |                           |
|    |         |                              |                |                                   |                                |                           |                             |                  | 18,504          | 16,529                    |



Bearwallow  
Site 5 - Coarse Refuse Fill Volume

| BL | STATION | PLANIMETER<br>AREA<br>(S.F.) | LENGTH<br>(FT) | CORRECTED<br>SOIL COVER<br>(S.F.) | ADJUSTED<br>FILL AREA<br>(S.F.) | AVERAGE<br>AREA<br>(S.F.) | DISTANCE<br>BETWEEN<br>(FT) | VOLUME<br>(C.Y.) | TOTAL<br>(C.Y.) |
|----|---------|------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------|-----------------------------|------------------|-----------------|
|    | 9+50    | 0                            | 0              | 0                                 | 0                               | 1,085                     | 50                          | 2,008            |                 |
|    | 10+00   | 2,343                        | 232            | 174                               | 2,169                           | 2,565                     | 50                          | 4,751            |                 |
|    | 10+50   | 3,102                        | 187            | 140                               | 2,962                           | 2,739                     | 50                          | 5,072            |                 |
|    | 11+00   | 2,728                        | 282            | 212                               | 2,517                           | 1,920                     | 50                          | 3,556            |                 |
|    | 11+50   | 1,462                        | 164            | 138                               | 1,324                           | 757                       | 50                          | 1,402            |                 |
|    | 12+00   | 263                          | 97             | 73                                | 190                             | 95                        | 50                          | 176              |                 |
|    | 12+50   | 0                            | 0              | 0                                 | 0                               | 52                        | 50                          | 97               |                 |
|    | 13+00   | 171                          | 89             | 67                                | 104                             | 52                        | 50                          | 97               |                 |
|    | 13+50   | 0                            | 0              | 0                                 | 0                               |                           |                             |                  |                 |
|    |         |                              |                |                                   |                                 |                           |                             |                  | <u>17,158</u>   |