

**RUSTIC RAVINES
WAYNE COUNTY, WEST VIRGINIA**

RUSTIC RAVINES RESORT

ADDENDUM #3

JUNE 14, 2022

THRASHER PROJECT #030-10264

TO WHOM IT MAY CONCERN:

A MANDATORY Pre-Bid Conference was held on June 2nd, 2022 on the above-referenced project. The following are clarifications and responses to questions posed by contractors for the above reference project.

A. GENERAL

1. **THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.**

B. SPECIFICATIONS

Unit Prices – Items have added to the Unit Price Specification to coincide with the new bid form.

C. DRAWINGS

Sheet C2 – The quantity table was revised to include the new items.

D. QUESTIONS AND RESPONSES

QUESTION

1. Please provide clarity on where the following items are to be included in the bid schedule.
 - Clearing/Grubbing
 - Earthwork
 - Sediment Trap/ Check Dams/ Outlet Protection
 - Channels 1, 2, and 3
 - Culverts 1,2, and 3


RESPONSE

These items have been added to the Bid Form, Quantity Table, and Unit Price Specification.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 11:00 a.m. on Thursday, June 16th, 2022 at 2575 Rustic Ravines Resort, Hampton Ridge Road, Genoa, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.


RICHARD HOVATTER, PE
Project Manager



BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to:
Rustic Ravines
2575 Hampton Ridge Road
Genoa, WV 25635
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
- A. Bid Opening Requirements

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

GENERAL

The Bidder shall take notice of and shall be responsible for any local or state taxes levied and applicable, and the cost for the same shall be included as part of the submitted Bid.

The total Bid cost stated includes a complete operating installation including furnishing and installation of any and all changes or additions in plans, piping, mechanical work, additional electrical work, accessories, controls, etc. necessary to accommodate alternative equipment systems or materials used in construction.

BID PROPOSAL

The Bidder agrees to perform all required Work described in the detailed Specifications and as shown on the Plans for the complete construction and placing in satisfactory operation the Rustic Ravines. The Project "Sequence of Construction" has been detailed in the Drawings and Specification Division 1, Project Summary, Section 011000. The Bidder agrees to perform all the Work proposed for the total of the following Bid prices.

- 3.01 *Lump Sum Bids*
- A. Bidder will complete the Work in accordance with the Contract Documents for the lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02 and shown in the bid schedule.
- B. Lump Sum Bids may be one of the following:
1. Lump Sum Price (Single Lump Sum)
 2. Lump Sum Price (Base Bid and Alternates)

3. Lump Sum Price (Sectional Lump Sum Bids)

- C. All specified cash allowance(s) are included in the price(s) set forth in the bid schedule, and have been computed in accordance with Paragraph 13.02 of the General Conditions.
- D. All specified contingency allowances are included in the price(s) set forth in the bid schedule, and have been computed in accordance with Paragraph 13.02 of the General Conditions.

3.02 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices as shown in the Bid Schedule.
- B. Bidder acknowledges that:
 - 1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
 - 2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 Total Bid Price (Lump Sum and Unit Prices)

BID SCHEDULE

**PROPOSED
RUSTIC RAVINES RESORT
FOR THE**

**RUSTIC RAVINES
WAYNE COUNTY, WEST VIRGINIA**

NOTE: Bid PRICE amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern. Bids shall include sales tax and all other applicable taxes and fees.

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
1	1	LS	Mobilization			
2	1	LS	Construction Layout			
3	1	LS	Clearing and Grubbing			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
4	2,220	CY	Earthwork			
5	870	LF	Priority One Silt Fence			
6	1	EA	Stabilized Construction Entrance			
7	1	EA	Sediment Trap			
8	100	LF	18" HDPE Culvert			
9	40	LF	48" HDPE Culvert			
10	2	EA	Rock Check Dam with Sump			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
11	960	LF	Grass Lined Trapezoidal Channel			
12	2	EA	Rock Outlet Protection			
13	4.4	AC	Seeding and Mulching			
14	110	TN	AASHTO #1 Maintenance Stone			
15	1420	TN	#3 Base Stone			
16	710	TN	Crusher Run			
17	6,700	SY	Separation Fabric			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
18	880	LF	3" HDPE DR 11 Waterline			
19	30	LF	3/4" Waterline Service			
20	4	EA	3" Water Valve			
21	1	EA	Water Meter and Tie-In			
22	6	EA	Frost Free Yard Hydrants			
23	480	LF	4" Underground PVC SCH. 40 Conduit			
24	800	LF	#2 THHN Copper Electrical Wire			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
25	530	LF	#1 THHN Copper Electrical Wire			
26	1,310	LF	#1/0 THHN Copper Electrical Wire			
27	770	LF	#2/0 THHN Cooper Electrical Wire			
28	1,630	LF	#6 THHN Copper Ground Wire			
29	8	EA	17" x 30" x 12" Quazite Boxes			
30	6	EA	Installation of Individual Electrical Pedestal Boxes			
31	1	EA	AEP Approved 1200A CT Cabinet			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
32	50	LF	4" Waterline Casing			

TOTAL BID: _____
(Words)

(Words) (\$ _____)
(Figures)

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

DEDUCTIVE ALTERNATE #1

NOTICE TO BIDDER: Unit prices used in Deductive Alternates must be the same unit prices used in the Bid.

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
15	220	TN	#3 Base Stone			
16	110	TN	Crusher Run			

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
17	1,040	SY	Separation Fabric			
18	335	LF	3" HDPE DR 11 Waterline			
20	1	EA	3" Water Valve			

TOTAL DEDUCTIVE ALTERNATE #1 BID:

_____ (Words)

_____ (\$ _____) (Figures)

(Words)

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

3.04 *Method of Award*

If at the time this Contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible bidder, as listed in contract does not exceed the amount of funds estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the Owner may reject all bids. The Owner may award the contract on the total bid submitted by a qualified, responsive, responsible bidder, less the amount(s) of the deductive alternate(s) subtracted in numerical order to produce the lowest bid within the funds available for financing.

- A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.
- B. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

~~ARTICLE 4—BASIS OF BID—COST PLUS FEE~~

Deleted

~~ARTICLE 5—PRICE PLUS TIME BID~~

Deleted

ARTICLE 6—TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 **Deleted**
- 6.03 **Deleted**
- 6.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

7.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

7.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

7.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

ARTICLE 8—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS**8.01 *Bidder’s Representations***

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder’s (Contractor’s) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

8.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: (if applicable) _____

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related requirements:
 - 1. Section 013300 – Submittal Procedures

1.2 1.2 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.
- B. Contract Documents include all specifications, plan drawings and referenced specifications.
- C. Units of Measure:
 - a. AC – Acre
 - b. EA – Each
 - c. CY – Cubic Yard
 - d. DA – Per Day
 - e. DY/24 HR – Per Day (24 hours)
 - f. LBS - Pounds
 - g. LF – Linear Foot
 - h. LS – Lump Sum
 - i. SF – Square Foot
 - j. SY – Square Yard
 - k. TN – Ton
 - l. GAL – Gallon
 - m. MO - Month

1.3 1.3 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- C. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PART 2 - PRODUCTS (Not Used)

PART 3 - PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

1. MOBILIZATION / DEMOBILIZATION

- a. This bid item shall include payment of all bonding costs incurred by the contractor. It shall also consist of the performance and construction preparatory operations, including the movement of personnel to the project site and the unloading, transporting and reloading of materials and equipment to the project site. The payment request for mobilization in the first pay estimate shall not exceed 10% of the total bid price for the contract. The balance of the lump sum item shall be considered demobilization and shall be paid at contract close out.
- b. Unit of Measure: LS

2. CONSTRUCTION LAYOUT

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with providing construction stakeout as specified in the contract documents.
- b. This bid item shall not exceed 3% of the total bid price.
- c. Specification Section: 017300
- d. Unit of Measure: LS

3. CLEARING AND GRUBBING

- a. This bid item shall include clearing, grubbing, and stockpiling existing vegetation. The payment request for site clearing & grubbing.
- b. Specification Section: Contract Documents
- c. Unit of Measure: LS

4. EARTHWORK

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with total earthwork (site construction) in accordance with the contract documents and in reasonably close conformity with the lines, grades, weights or thicknesses, and cross sections shown on the plan drawings or established by the Engineer.
- b. This bid item shall apply to the excavation, blending, placing, and compacting of materials available on the project site in accordance with the contract documents.
- c. This bid item shall also include the stripping, stockpiling, and stabilization of topsoil.
- d. Specification Section: 312000
- e. Unit of Measure: CY
 - i. Measurement of total earthwork will be computed on the total quantity shown on the plan drawings.
 - ii. Contractor may compute total earthwork based on field placement if the following conditions are met:

1. Contractor must submit existing topographic survey data of the project site to the Engineer for review and verification prior to beginning excavation.
2. Upon completion of total earthwork operations, Contractor must submit topographic survey data of the project site to the Engineer for review and verification.
3. Upon receipt of the required survey data from the Contractor, the Engineer will digitally model the survey data to review and verify the Contractor's computed total earthwork quantity.

5. PRIORITY ONE SILT FENCE

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with furnishing and installing smart fence as specified in the contract documents.
- b. Specification Section: 312500 and WV DEP Erosion and Sediment Control BMP Manual
- c. Unit of Measure: LF

6. STABILIZED CONSTRUCTION ENTRANCE

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with providing a stabilized construction entrance as specified in the contract documents.
- b. Specification Section: 312500 and WV DEP Erosion and Sediment Control BMP Manual
- c. Unit of Measure: EA

7. SEDIMENT TRAP

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with providing a sediment trap as specified in the contract documents.
- b. Specification Section: 312500 and WV DEP Erosion and Sediment Control BMP Manual
- c. Unit of Measure: EA

8. 18-IN HDPE CULVERT

- a. The pipe installed under these items shall be measured and paid for by the linear feet of pipe for each of the types and sizes as specified in the contract documents or as directed by the Engineer and installed complete in place. The measurements under this item shall be the length of the various sizes and classes of pipe and fittings installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie-in to centerline of tie-in.
- b. The measurements under this section shall include excavation, bedding, backfilling, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing and incidentals necessary to complete the work.
- c. WVDOH Standard Specifications Roads and Bridges Section 714
- d. Unit of Measure: LF

9. 48-IN HDPE CULVERT

- a. The pipe installed under these items shall be measured and paid for by the linear feet of pipe for each of the types and sizes as specified in the contract documents or as directed by the Engineer and installed complete in place. The measurements under this item shall be the length of the various sizes and classes of pipe and fittings installed in place and

accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie-in to centerline of tie-in.

- b. The measurements under this section shall include excavation, bedding, anchors, backfilling, warning tape, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing and incidentals necessary to complete the work.
- c. Fittings, concrete encasement, and/or concrete pipe anchors are considered incidental to pipe installation.
- d. WVDOH Standard Specifications Roads and Bridges Section 714
- e. Unit of Measure: LF

10. ROCK CHECK DAM WITH SUMP

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with providing a rock check dam with sump as specified in the contract documents.
- b. Specification Section: 312500 and WV DEP Erosion and Sediment Control BMP Manual
- c. Unit of Measure: EA

11. GRASS LINED TRAPEZOIDAL CHANNEL

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated to construct grass lined trapezoidal channel in accordance with the contract documents.
- b. Specification Section: 312500
- c. Unit of Measure: LF

12. ROCK OUTLET PROTECTION

- a. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to construct rock outlet protection in accordance with the contract documents.
- b. Specification Section: 312500
- c. Unit of Measure: EA

13. SEEDING & MULCHING

- a. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install seeding & mulching as specified in the contract documents and in accordance with the plan specifications and notes and in reasonable close conformity the lines and grades shown on the Plans or established by the Engineer.
- b. Specification Section: Plan Drawings
- c. Unit of Measure: AC

14. AASHTO NO. 1 MAINTENANCE STONE

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with AASHTO No. 1 stone placement in accordance with the contract documents.
- b. This bid item shall apply to subgrade preparation and furnishing and placing clean aggregate in the areas identified on the plan drawings.

- c. Weigh tickets from the commercial supplier for imported AASHTO No. 1 stone that is delivered and placed at the locations identified on the plan drawings shall be submitted with pay applications.
- d. Specification Section: WVDOH Standard Specifications Roads and Bridges Section 714
- e. Unit of Measure: TN

15. AASHTO NO. 3 BASE STONE

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with AASHTO No. 3 stone placement in accordance with the contract documents.
- b. This bid item shall apply to subgrade preparation and furnishing and placing clean aggregate in the areas identified on the plan drawings.
- c. Weigh tickets from the commercial supplier for imported AASHTO No. 3 stone that is delivered and placed at the locations identified on the plan drawings shall be submitted with pay applications.
- d. Specification Section: WVDOH Standard Specifications Roads and Bridges Section 714
- e. Unit of Measure: TN

16. 1-1/2" CRUSHER RUN

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated with 1-1/2" Crusher Run placement in accordance with the contract documents.
- b. This bid item shall apply to subgrade preparation and furnishing and placing clean crusher run aggregate in the areas identified on the plan drawings.
- c. Weigh tickets from the commercial supplier for imported 1-1/2" crusher run that is delivered and placed at the locations identified on the plan drawings shall be submitted with pay applications.
- d. Specification Section: WVDOH Standard Specifications Roads and Bridges Section 714
- e. Unit of Measure: TN

17. SEPARATION FABRIC

- a. This bid item shall constitute full compensation for all labor, materials, equipment, and other costs associated to furnish and install separation fabric in accordance with the contract documents.
- b. This bid item shall include to subgrade preparation and all materials required to install separation fabric in accordance with the contract documents.
- c. Specification Section: Plan Drawings
- d. Unit of Measure: SY

18. 3" HDPE DR-11 WATER LINE

- a. The pipe installed under this item shall be measured and paid for by the linear feet of pipe for each of the types as specified in the contract documents or as directed by the Engineer and installed complete in place. The measurements under this item shall be the length of pipe and fittings installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie-in to centerline of tie-in.

- b. This bid Item shall include excavation, bedding material, backfilling, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing, and incidentals necessary to complete the work.
- c. Fittings are considered incidental to installation.
- d. Incidental repair and/or replacement of water line, as may be necessary, throughout warranty period.
- e. Specification Section: 221113
- f. Unit of Measure: LF

19. 3/4" WATERLINE SERVICE

- a. The pipe installed under this item shall be measured and paid for by the linear feet of pipe for each of the types as specified in the contract documents or as directed by the Engineer and installed complete in place. The measurements under this item shall be the length of pipe and fittings installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie-in to centerline of tie-in.
- b. This bid Item shall include excavation, bedding material, backfilling, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing, and incidentals necessary to complete the work.
- c. Fittings are considered incidental to installation.
- d. Incidental repair and/or replacement of water line, as may be necessary, throughout warranty period.
- e. Specification Section: 221113
- f. Unit of Measure: LF

20. 3" WATER VALVE

- a. Cost shall include a complete 3" gate valve with box and lid, all labor, materials, equipment, tools to install per plans.
- b. Unit of Measure: EACH

21. WATER METER AND TIE-IN

- a. Cost shall include all labor, materials, equipment, and coordination with the PSD to tie into the existing waterline and install master meter.
- b. Unit of Measure: EACH

22. FROST FREE YARD HYDRANT INSTALLATION

- a. Cost shall include a complete frost free yard hydrant, all labor, materials, equipment, tools to install per plans.
- b. Unit of Measure: EACH

23. 4" Underground PVC SCH. 40 CONDUIT

- a. This bid item shall constitute full compensation for labor, materials, equipment, and other costs associated with installation of 4" PVC SCH. 40 electric conduit per manufacturer's recommendations and as specified in the contract documents.

- b. Long sweep bends or (2) 45 degree fittings shall be used for 90-degree bends both horizontally and vertically.
- c. The following items shall be included in the unit price cost:
 - 1. Cleaning the conduit, installing ¼" nylon pull ropes, and end caps with pull ropes hooks;
 - 2. Trench excavation, bedding, cover and backfill;
 - 3. Detectable warning tape in backfill.
- d. Specification Section: 260533, 260543
- e. Unit of Measure: LF

24. #2 THHN Copper Electrical Wire

- a. This bid item shall include the purchase, delivery, installation, and panel box connections of #2 THHN copper electrical wire into the conduits running from the panel boxes at the kiosk to the designated RV slips in the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260519
- c. Unit of Measure: LF

25. #1 THHN Copper Electrical Wire

- a. This bid item shall include the purchase, delivery, installation, and panel box connections of #1 THHN copper electrical wire into the conduits running from the panel boxes at the kiosk to the designated RV slips in the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260519
- c. Unit of Measure: LF

26. #1/0 THHN Copper Electrical Wire

- a. This bid item shall include the purchase, delivery, installation, and panel box connections of #1/0 THHN copper electrical wire into the conduits running from the panel boxes at the kiosk to the designated RV slips in the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260519
- c. Unit of Measure: LF

27. #2/0 THHN Copper Electrical Wire

- a. This bid item shall include the purchase, delivery, installation, and panel box connections of #2/0 THHN copper electrical wire into the conduits running from the panel boxes at the kiosk to the designated RV slips in the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260519
- c. Unit of Measure: LF

28. #6 THHN Copper Ground Wire

- a. This bid item shall include the purchase, delivery, installation, and panel box connections of #6 THHN copper ground wire into the conduits running from the panel boxes at the kiosk to the designated RV slips in the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260519
- c. Unit of Measure: LF

29. 17" x 30" x 12" Quazite Junction Box

- a. This bid item shall include the purchase, delivery, and installation of a 17" x 30" x 12" quazite junction box in the location indicated on the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Specification Section: 260533, 260543
- c. Unit of Measure: EA

30. ELECTRICAL PEDESTAL BOX INSTALLATION

- a. This bid item shall include the purchase, delivery, and installation of the electrical pedestal boxes and posts in the locations indicated on the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Unit of Measure: EA

31. AEP APPROVED 1200 AMP CT CABINET

- a. This bid item shall include the purchase, delivery, coordination with AEP, and installation of a 1200 AMP CT Cabinet in the location indicated on the plans. This item shall provide full compensation for all labor, materials, equipment, and other costs associated with the purchase, delivery, and installation.
- b. Unit of Measure: EA

32. 4" STEEL WATER LINE CASING

- a. This bid Item shall include excavation, bedding material, backfilling, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing and incidentals necessary to complete the work.
- b. Unit of Measure: LF

END OF SECTION 012200

2. LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY MISS UTILITY OF WEST VIRGINIA AT 1-800-245-4848 A MINIMUM OF (2) DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. INSTALL ALL PERIMETER AND EROSION AND SEDIMENT CONTROLS. (SILT FENCE, DIVERSIONS, COMPOST FILTER SOCK, ETC.)
4. REMOVE AND DISPOSE OF ALL MATERIAL NOT SUITABLE FOR FILL: EG, BRUSH, LOGS, VEGETABLE MATTER, ETC. UNSUITABLE MATERIAL SHALL BE STOCKPILED.
5. EXCAVATE AND ROUGH GRADE SITE.
6. INSTALL ALL PROPOSED UTILITIES.
7. INSTALL DRAINAGE FACILITIES / CHANNELS.
8. COMPLETE FINE GRADING. ALL DISTURBED AREAS SHALL BE DRESSED TO A NEAT AND FINISHED APPEARANCE AND STABILIZED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN AND SEEDING AND MULCHING SPECIFICATIONS.
9. COMPLETE GRAVEL PLACEMENT.
10. SEED, MULCH AND STABILIZE ALL DISTURBED AREAS.
11. AFTER COMPLETE STABILIZATION OF THE DRAINAGE AREA, REMOVE EROSION AND SEDIMENT CONTROLS AND DRESS AND STABILIZE AS REQUIRED.
12. FINAL PROJECT CLEAN UP AND DEMOBILIZATION.

MAINTENANCE AND INSPECTION NOTES

- ## SEEDING AND MULCHING

- FOR STABILIZATION OUTSIDE SEEDING DATES, USE HAY OR STRAW
MULCH AT 3 TONS/AC OR AT 2 TONS/AC IF ASPHALT EMULSION IS
APPLIED AT 100 GAL/AC.

OWNER

rusticravines@gmail.com

ENGINEER

MISS UTILITY

Deductive Alternate #1		
#3 Base Stone	220	TN
Crusher Run	110	TN
Separation Fabric	1040	SY
3" HDPE DR 11 Waterline	335	LF
3" Water Valve	1	EA

SCALE: AS SHOWN	
DRAWN:	DATE:
CHECKED:	DATE:
APPROVED:	DATE:
SURVEY DATE:	
SURVEY BY:	
FIELD BOOK No.:	

PHASE No.
CONTRACT No.
PROJECT No.
101-030-10264

C2