

**AGREEMENT  
BETWEEN OWNER AND CONTRACTOR  
FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)**

THIS AGREEMENT is by and between \_\_\_\_\_ Town of Bluffton \_\_\_\_\_ (“Owner”) and  
\_\_\_\_\_ Jordan Construction of Hilton Head, Inc. \_\_\_\_\_ (“Contractor”).

Owner and Contractor hereby agree as follows:

**ARTICLE 1 – WORK**

- 1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: cure work of water and sewer installation in the Buck Island-Simmons ville neighborhood, Bluffton, South Carolina.

**ARTICLE 2 – THE PROJECT**

- 2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows: installation of 1,458 LF of 8" SDR sanitary sewer main; installation of 140 FL of 16" steel casing with 140LF of 8" SDR 26 sanitary sewer main; installation of 6 sanitary sewer manholes; installation of sanitary sewer laterals and connections from existing residences and businesses; installation of 334 LF of 6: water main with associated tees and valves; installation of 272 LF of 2" water main with associated tees and valves; installation of 2 fire hydrant assemblies; installation of water service stub outs and connections for existing residences; erosion control; repair and restoration of sidewalks, driveways, roadways and shoulders; surface rehabilitation.

**ARTICLE 3 – ENGINEER**

- 3.01 The Project has been designed by Cranston Engineering (Engineer), which is to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

**ARTICLE 4 – CONTRACT TIMES**

- 4.01 *Time of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

#### 4.02 *Dates for Substantial Completion and Final Payment*

- A. The Work will be substantially completed on or before TO BE DETERMINED AFTER DEPT OF COMMERCE REVIEW, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before TBD.

#### 4.02 *Liquidated Damages*

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$500 for each day that expires after the time specified in Paragraph 4.02 above for Substantial Completion until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by Owner, Contractor shall pay Owner \$500 for each day that expires after the time specified in Paragraph 4.02 above for completion and readiness for final payment until the Work is completed and ready for final payment.

### ARTICLE 5 – CONTRACT PRICE

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 5.01.A, 5.01.B, and 5.01.C below:

- A. For all Work other than Unit Price Work, a lump sum of: \$ n/a

All specific cash allowances are included in the above price in accordance with Paragraph 11.02 of the General Conditions.

- B. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the actual quantity of that item:

<u>UNIT PRICE WORK</u>					
<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>

See attached pricing schedule

Total of all Bid Prices (Unit Price Work) \$2,412,559.70

The Bid prices for Unit Price Work set forth as of the Effective Date of the Agreement are based on estimated quantities. As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer as provided in Paragraph 9.07 of the General Conditions.

C. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

## **ARTICLE 6 – PAYMENT PROCEDURES**

### **6.01 *Submittal and Processing of Payments***

A. Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

### **6.02 *Progress Payments; Retainage***

A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the n/a day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below. All such payments will be measured by the schedule of values established as provided in Paragraph 2.07.A of the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Engineer may determine or Owner may withhold, including but not limited to liquidated damages, in accordance with Paragraph 14.02 of the General Conditions.

a. 90 percent of Work completed (with the balance being retainage). If the Work has been 50 percent completed as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and

b. 10 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 100 percent of the Work completed, less such amounts as Engineer shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions and less 200 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the tentative list of items to be completed or corrected attached to the certificate of Substantial Completion.

### 6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 14.07.

## **ARTICLE 7 – INTEREST**

- 7.01 All moneys not paid when due as provided in Article 14 of the General Conditions shall bear interest at the rate of 0 percent per annum.

## **ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS**

- 8.01 In order to induce Owner to enter into this Agreement, Contractor makes the following representations:
  - A. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
  - B. Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  - C. Contractor is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
  - D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities), if any, that have been identified in Paragraph SC-4.02 of the Supplementary Conditions as containing reliable "technical data," and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in Paragraph SC-4.06 of the Supplementary Conditions as containing reliable "technical data."
  - E. Contractor has considered the information known to Contractor; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) Contractor’s safety precautions and programs.
  - F. Based on the information and observations referred to in Paragraph 8.01.E above, Contractor does not consider that 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 Documents.

- G. Contractor 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 Contract Documents.
- H. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

## **ARTICLE 9 – CONTRACT DOCUMENTS**

### **9.01    *Contents***

- A. The Contract Documents consist of the following:
  - 1. This Agreement
  - 2. Performance bond
  - 3. Payment bond.
  - 4. EJCDC Standard General Conditions
  - 5. EJCDC Supplemental Conditions
  - 6. CDBG Contract Special Provisions
  - 7. EJCDC Standard Addendum to Agreement
  - 8. BJWSA Technical Specifications
  - 9. Specifications as listed in the table of contents of the Project Manual.
  - 10. Drawings
  - 11. Addenda (numbers 1 to 1, inclusive).
  - 12. Davis Bacon wage determination
  - 13. Exhibits to this Agreement (enumerated as follows):
    - a. Contractor's Bid
    - b. Documentation submitted by Contractor prior to Notice of Award
  - 14. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
    - a. Notice to Proceed

- b. Work Change Directives.
  - c. Change Orders.
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.04 of the General Conditions.

## **ARTICLE 10 – MISCELLANEOUS**

### **10.01 *Terms***

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### **10.02 *Assignment of Contract***

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

### **10.03 *Successors and Assigns***

- A. Owner and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

### **10.04 *Severability***

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

### **10.05 *Contractor's Certifications***

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process or in the Contract execution;
2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “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; and
4. “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.

#### 10.06 *Compliance*

A. Offerors, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. Offerors will not participate directly or indirectly in the discrimination prohibited by Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21. This includes FHWA or FTA specific program requirement.

B. During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees to comply with the following non-discrimination statutes and authorities, including but not limited to:

- i. Title VI of the 1964 Civil Rights Act (42 U.S.C. 2§000 et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- ii. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. §4601) Prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects;
- iii. The Federal-aid Highway Act of 1973, (23 U.S.C. §324 et seq.), (prohibits discrimination on the basis of sex);
- iv. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- v. The Age Discrimination Act of 1975, as amended (42 U.S.C. §6101 et seq.), (prohibits discrimination on the basis of age);

- vi. Airport and Airway Improvement Act of 1982, (42 U.S.C. §47123), as amended, (prohibits discrimination on race, creed, color, national origin, or sex);
  - vii. The Civil Rights Restoration Act of 1987, (P.L. 100-209), (Broadened, the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
  - viii. Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§12131-12189) as implemented by Department of Transportation regulations at 49 CFR Parts 37 and 38;
  - ix. The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. §47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
  - x. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
  - xi. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance, recipients must take reasonable steps to ensure that LEP persons have meaningful access to programs (70 Fed. Reg. at 74087 to 74100);
  - xii. Title IX of the Education Amendment of 1972, as amended, which prohibits discrimination on the basis of sex in education programs or activities (20 U.S.C. 1681 et seq.).
- C. Offerors shall at all times comply with all applicable wage and hour acts, including but not limited to the Fair Labor Standards Act (FLSA) (29 U.S.C. 201 et seq); the Davis-Bacon Act (40 U.S.C. 3141 et seq.); McNamara-O’Hara Service Contract act (41 U.S.C. 351 et seq);
- D. Contract Work Hours and Safety Standards Act (40 U.S.C. 3701 et seq); Walsh-Healy Public Contracts Act (41 U.S.C. 35 et seq); Copeland Anti-Kickback Act (40 U.S.C 3145).
- E. Offerors shall at all times comply with the Occupational Safety and Health Act (OSH Act)(29 U.S.C. chapter 15) and the South Carolina OSHA-approved state plan, which covers most private sector workers and all state and local government workers.
- F. Offerors shall make best efforts to ensure that minority and disadvantaged businesses are offered a fair opportunity to fully participate in the overall procurement of subcontracted goods and services.



G. In accordance with 40 CFR 1505.2(c), parties to this Agreement must enact the below mitigation measures to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents:

To comply with the Historic Preservation, National Historic Preservation Act of 1966, including but not limited to Section 106 and Section 110; 36 CFR Part 800, contact the following authorities:

Catawba – the Catawba Indian Nation, THPO stated that the Catawba are to be notified if Native American artifacts and/or human remains are located during the ground disturbance phase of this project.

Muscogee – the Muscogee THPO letter dated 12/07/17 stated no concerns, however if any cultural material or human remains be encountered during any construction or demolition, the Muscogee request notification.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement. Counterparts have been delivered to Owner and Contractor. All portions of the Contract Documents have been signed or have been identified by Owner and Contractor or on their behalf.

This Agreement will be effective on \_\_\_\_\_ (which is the Effective Date of the Agreement).

OWNER:

Town of Bluffton

By: \_\_\_\_\_

Title: Town Manager

CONTRACTOR

Jordan Construction of Hilton Head, Inc.

By: \_\_\_\_\_

Title: \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

20 Bridge Street

PO Box 386

Bluffton, SC 29910

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

P.O. Box 21747

Hilton Head Island, SC 29925

CLG10710

License No.: \_\_\_\_\_

**BID FORM**

PROJECT: BIS SEWER EXTENSION PHASE 5

LOCATION: BLUFFTON, SC

OWNER: TOWN OF BLUFFTON

PROJECT #: 2019-0389



**CRANSTON**

DATE: 4/17/2023

CLEARING & EROSION CONTROL					
Item	Description	Quantity	Units	Unit Price	Total
1	Mobilization	1	LS	\$197,801.00	\$197,801.00
2	Construction Staking	1	LS	\$45,000.00	\$45,000.00
3	Demolition and Clearing (incidental items)	1	LS	\$60,000.00	\$60,000.00
4	Temporary Traffic Control	1	LS	\$120,000.00	\$120,000.00
5	Silt Fence	7,669	LF	\$2.30	\$17,638.70
6	Grassing/Mulching	7,250	SY	\$0.40	\$2,900.00
CLEARING & EROSION CONTROL, TOTAL					\$443,339.70

SITE WORK					
Item	Description	Quantity	Units	Unit Price	Total
1	Asphalt Driveway Repair	465	SY	\$95.00	\$44,175.00
2	Restore Earth Drive	860	SY	\$25.00	\$21,500.00
3	Remove and Replace Concrete Sidewalk	50	SY	\$95.00	\$4,750.00
SITE WORK, TOTAL					\$70,425.00

WATERLINE IMPROVEMENTS - GENERAL					
Item	Description	Quantity	Units	Unit Price	Total
1	Testing (All locations)	1	LS	\$85,000.00	\$85,000.00
WATERLINE IMPROVEMENT- GENERAL, TOTAL					\$85,000.00

SANITARY SEWER IMPROVEMENTS - GENERAL					
Item	Description	Quantity	Units	Unit Price	Total
1	Testing (All locations)	1	LS	\$65,000.00	\$65,000.00
SANITARY SEWER IMPROVEMENT- GENERAL, TOTAL					\$65,000.00

SANITARY SEWER IMPROVEMENTS - GIDEON					
Item	Description	Quantity	Units	Unit Price	Total
1	6" SDR 26 Sanitary Lateral	40	LF	70	\$2,800.00
2	6" Double Service (Corrective)	2	EA	2000	\$4,000.00
SANITARY SEWER IMPROVEMENT- GIDEON, TOTAL					\$6,800.00

WATERLINE IMPROVEMENTS - JAMES GADSON					
Item	Description	Quantity	Units	Unit Price	Total
1	Water Main (& Fitting) Removal	535	LF	\$35.00	\$18,725.00
2	Removal of Fire Hydrant Assembly (Incl. Pipes and fittings)	1	EA.	\$4,600.00	\$4,600.00
3	Replace 8" BJWSA Water Main with 8' CL350 DIP	18	LF	\$125.00	\$2,250.00
4	6" C900 Water Main	270	LF	\$110.00	\$29,700.00
5	6" CL350 DIP	10	LF	\$150.00	\$1,500.00
6	1" HDPE SDR 11 Lateral (Corrective)	25	LF	\$350.00	\$8,750.00
7	1" HDPE SDR 11 Lateral	20	LF	\$85.00	\$1,700.00
8	2" Gate Valve in Box w/ Marker	1	EA.	\$460.00	\$460.00
9	6" x 2" Tapped Plug	1	EA.	\$300.00	\$300.00
10	Fire Hydrant Assembly, Tee, Valve in Box, Horizontal, and Vertical Piping	1	EA.	\$9,200.00	\$9,200.00
11	Below Ground Blow-off and marker	1	EA.	\$2,900.00	\$2,900.00
12	2" x 1" Tapping Saddle	3	EA.	\$1,100.00	\$3,300.00
13	6" x 1" Tapping Saddle	2	EA.	\$1,550.00	\$3,100.00
14	10" x 1" Tapping Saddle	1	EA.	\$2,000.00	\$2,000.00
15	1" Corp Stop & Water Service	6	EA.	\$400.00	\$2,400.00
WATERLINE IMPROVEMENT - JAMES GADSON, TOTAL					\$90,885.00

SANITARY SEWER IMPROVEMENTS - JAMES GADSON					
Item	Description	Quantity	Units	Unit Price	Total
1	Pull and replace 8" sewer main in 18" steel casing	80	LF	\$670.00	\$53,600.00
2	Manhole rim adjustment	1	EA.	\$1,400.00	\$1,400.00
3	6" SDR 26 Sanitary Lateral	30	LF	\$65.00	\$1,950.00
4	4" SDR 26 Sanitary Lateral	20	LF	\$65.00	\$1,300.00



5	4" Single Sewer Service (Corrective)	1	EA.	\$2,100.00	\$2,100.00
6	6" Double Sewer Service (Corrective)	2	EA.	\$4,020.00	\$8,040.00
<b>SANITARY SEWER IMPROVEMENTS - JAMES GADSON, TOTAL</b>					<b>\$68,390.00</b>

<b>WATERLINE IMPROVEMENTS - LITTLE AARON</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	Water Main (& Fitting) Removal	300	LF	\$30.00	\$9,000.00
2	Removal of Fire Hydrant Assembly (Incl. Pipes and fittings)	1	EA	\$4,600.00	\$4,600.00
3	Replacement of broken water meter box cover	1	EA	\$750.00	\$750.00
4	6" C900 Water Main	64	LF	\$110.00	\$7,040.00
5	4" C900 Water Main	172	LF	\$105.00	\$18,060.00
6	6" CL350 DIP	34	LF	\$150.00	\$5,100.00
7	1" HDPE SDR II	80	LF	\$60.00	\$4,800.00
8	4" Gate Valve in Box	1	EA	\$1,265.00	\$1,265.00
9	6" x 4" Reducer	1	EA	\$920.00	\$920.00
10	Fire Hydrant Assembly, Tee, Valve in Box, Horizontal, and Vertical Piping	1	EA	\$9,200.00	\$9,200.00
11	Blowoff Hydrant	1	EA	\$4,020.00	\$4,020.00
12	1" Corp Stop	4	EA	\$460.00	\$1,840.00
13	6" x 1" Tapping Saddle	2	EA	\$1,150.00	\$2,300.00
14	4" x 1" Tapping Saddle	2	EA	\$975.00	\$1,950.00
<b>WATERLINE IMPROVEMENT - LITTLE AARON, TOTAL</b>					<b>\$70,845.00</b>

<b>SANITARY SEWER IMPROVEMENTS - LITTLE AARON</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	Sewer Main Removal	136	LF	\$60.00	\$8,160.00
2	Manhole (RH 13-57) Relocation	1	EA.	\$170.00	\$170.00
3	Manhole Rim Adjustment	1	EA.	\$575.00	\$575.00
4	8" SDR 26 Sewer Main	134	LF	\$185.00	\$24,790.00
5	6" SDR 26 Sanitary Lateral	95	LF	\$70.00	\$6,650.00
6	4" SDR 26 Sanitary Lateral	29	LF	\$65.00	\$1,885.00
7	4" Sewer Service	4	EA.	\$2,300.00	\$9,200.00
8	6" Double Sewer Service	3	EA.	\$6,200.00	\$18,600.00
9	Install 6-inch SDR 26 in 18- inch Steel Casing (Jack & bore)	81	LF	\$2,300.00	\$186,300.00
10	Install 4-inch SDR 26 in 18- inch Steel Casing (Jack & Bore)	85	LF	\$2,100.00	\$178,500.00
11	8"x6" Service Wye	1	EA.	\$460.00	\$460.00
12	8"x4" Service Wye	1	EA.	\$460.00	\$460.00
13	8" x 6" Tapping Saddle	2	EA.	\$3,800.00	\$7,600.00
14	8" x 4" Tapping Saddle	1	EA.	\$3,550.00	\$3,550.00
<b>SANITARY SEWER IMPROVEMENTS - LITTLE AARON, TOTAL</b>					<b>\$446,900.00</b>

<b>WATERLINE IMPROVEMENTS - SIMMONSVILLE ROAD (NEW MUSTANG)</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	Replace 8" BJWSA Water Main with 8" CL350	18	LF	\$400.00	\$7,200.00
2	1" HDPE SDR11 (Installed by HDD)	47	LF	\$55.00	\$2,585.00
3	10"x1" Tapping sleeve	1	EA	\$1,520.00	\$1,520.00
4	1" Corp Stop	1	EA	\$370.00	\$370.00
<b>WATERLINE IMPROVEMENTS - SIMMONSVILLE ROAD (NEW MUSTANG), TOTAL</b>					<b>\$11,675.00</b>

<b>SANITARY SEWER IMPROVEMENTS - SIMMONSVILLE ROAD (NEW MUSTANG)</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	Sewer Main Removal (Stubout)	80	LF	\$350.00	\$28,000.00
2	Repair of manhole troughs and inverts.	1	LS	\$1,150.00	\$1,150.00
3	Manhole Rim Adjustment	1	EA.	\$2,300.00	\$2,300.00
4	Standard Manhole	6	EA.	\$23,000.00	\$138,000.00
5	8" SDR 26 Sewer Main	1,300	LF	\$295.00	\$383,500.00
6	8" SDR 26 Sewer Main Installed in 16-in Steel Casing	94	LF	\$495.00	\$46,530.00
7	6" SDR 26 Sanitary Lateral	90	LF	\$65.00	\$5,850.00
8	6" Double Sanitary Service	3	EA.	\$3,000.00	\$9,000.00
9	6" Sanitary Service	4	EA.	\$575.00	\$2,300.00

10	8"x6" Service Wye	3	EA.	\$460.00	\$1,380.00
11	8"x6" Tapping Saddle	2	LF	\$3,330.00	\$6,660.00
12	Core Drill Manhole	2	EA.	\$17,300.00	\$34,600.00
<b>SANITARY SEWER IMPROVEMENTS - SIMMONSVILLE ROAD (NEW MUSTANG), TOTAL</b>					<b>\$659,270.00</b>

<b>BIS SEWER EXTENSION PHASE 5 - PROJECT TOTAL</b>	<b>\$2,018,529.70</b>
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<b>SANITARY SEWER SERVICE CONNECTIONS TO BUILDINGS &amp; SEPTIC ABANDONMENT</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	4" SDR 26 Sanitary Service Line to House or Structure	1,650	LF	\$65.00	\$107,250.00
2	Sanitary Service Connection at House or Structure	33	EA	\$2,000.00	\$66,000.00
3	Abandon Septic Tank	33	EA	\$4,600.00	\$151,800.00
4	Permanent Grassing	600	SY	\$0.40	\$240.00
<b>SANITARY SEWER SERVICE CONNECTIONS, TOTAL</b>					<b>\$325,290.00</b>

<b>WATER SERVICE CONNECTIONS TO BUILDINGS</b>					
Item	Description	Quantity	Units	Unit Price	Total
1	3/4" PVC Water Service Line to House or Structure	600	LF	\$80.00	\$48,000.00
2	Water Service Connection at House	12	EA	\$1,725.00	\$20,700.00
3	Permanent Grassing	100	SY	\$0.40	\$40.00
<b>WATER SERVICE CONNECTIONS, TOTAL</b>					<b>\$68,740.00</b>

<b>BIS SEWER EXTENSION PHASE 5 INCL. SEWER &amp; WATER SERVICE CONNECTIONS - PROJECT TOTAL</b>	<b>\$2,412,559.70</b>
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Engineer has no control over the cost of labor, materials, equipment, or Contractor's methods of determining prices. Thus the Engineer's opinion of probable construction costs provided herein are made on the basis of his experience and qualifications. These opinions represent his best judgment as a design professional familiar with the construction industry. Engineer does not guarantee that proposals, bids, or the construction cost will not vary from Engineer's Opinion of Probable Construction Costs.