



February 27, 2024

**Addendum No. 2**  
**BL024-24**  
**Ridge Road Pump Station Decommissioning - Phase 2**

*The following addition/changes modify the Bid No. BL024-24 "Ridge Road Pump Station Decommissioning - Phase 2" Contract Documents, dated January 2024, as first advertised on January 31, 2024.*

**I. Modifications:**

- M1. The attached sample agreement will replace the sample agreement in the front-end package. The only change is to Article 6.02.A.1.a&b, on page 3 of 8. The 90 percents noted in the original sample agreement have been changed to 95 percent to meet legal requirements.

**II. Clarifications:**

- C1. See the following updated specification section in attachments A2 and A3:  
01 22 15.11 Measurement and Payment  
A-01 22 15.11 Supplemental Measurement and Payment

**III. Questions:**

- Q1. Can the GA Power Encroachment Agreement stipulations be provided for this bid?**  
A1. The permanent encroachment agreement with GA Power is attached. Final signature on the temporary encroachment agreement is pending.
- Q2. A few of the Supplemental Measurement and Payment items found in Section A-01 22 15 are not referenced on the bid form. Was the intent to have a bid item for each of these 12 supplemental items?**  
A2. See C1, A-01 22 15.11 Supplemental Measurement and Payment.
- Q3. Please provide the pre-bid sign in sheet.**  
A3. Please see attachment A5.

**IV. Attachments:**

- A1. Revised Sample Agreement.  
A2. 01 22 15.11 Measurement and Payment.  
A3. A-01 22 15.11 Supplemental Measurement and Payment.  
A4. Permanent Encroachment Agreement with GA Power.  
A5. Pre-Bid Sign-in Sheet from 02/15/2024.

Acknowledge receipt of this addendum on the firm information page of the request for proposal.

Sincerely,  
Brittany Bryant, CPPB  
Purchasing Associate III

*\*Gwinnett County requires that all Contracts between parties be entered into via the following documents. If any exceptions are taken to any part of this document, each must be stated in detail and submitted as part of your bid document. If no exceptions are noted, it is assumed that the party fully agrees to the contract in its entirety. Exceptions to the sample contract provided in this request for bid will be considered in terms of responsiveness when making award.\**

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

**THIS AGREEMENT** is by and between Gwinnett County, Georgia (“Owner”) and  
\_\_\_\_\_ (“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:

*The work to be performed under this contract includes the construction of approximately 696 LF of 8”, 40 LF of 10”, 125 LF of 16”, 325 LF of 18”, and 7,316 LF of 24” DIP gravity sewer main, 32 manholes, 520 LF of 48” steel casing jack and bore installation, 170 LF of 36” steel casing open cut installation, restoration of all disturbed areas to pre-construction conditions, and all other appurtenances as shown on the drawings or specified within the contract documents as required to complete the project.*

**ARTICLE 2 – THE PROJECT**

The Project, of which the Work under the Contract Documents is a part, is generally described as follows:

*BL024-24, Ridge Road Pump Station Decommissioning - Phase 2, F-1459*

**ARTICLE 3 – ENGINEER**

- 3.01 *The part of the Project that pertains to the Work has been designed by Precision Planning, Inc. (“Designer”).*
- 3.02 The Owner has retained Precision Planning, Inc. (“Engineer”) 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 *Contract Times: Days*

- A. The Work will be substantially completed within 360 consecutive calendar days after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 390 consecutive calendar days after the date when the Contract Times commence to run.

### 4.03 *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 and other losses if the Work is not completed and Milestones not achieved within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the Contract. 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):
  1. Substantial Completion: Contractor shall pay Owner \$1,000.00 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified in Paragraph 4.02.A above for Substantial Completion until the Work is substantially complete.
  2. Completion of Remaining Work: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$500.00 for each day that expires after such time until the Work is completed and ready for final payment.
  3. Liquidated damages for failing to timely attain Substantial Completion and Final Completion shall be both additive and cumulative.

### 4.04 *Special Damages*

- A. In addition to the amount provided for liquidated damages, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.
- B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the

time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), 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 the amounts that follow, subject to adjustment under the Contract:
- A. For all Work, at the prices stated in Contractor’s Bid on the Bid Form, attached hereto as an exhibit.
  - B. For Unit Price Work, Extended Prices set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

## **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 Owner 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 thirty (30) days following date of Pay Application each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in 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 elsewhere in the Contract.
  - 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 Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract
    - a. 95 percent of Work completed (with the balance being retainage). If the Work completed has reached 50 percent of the Total Contract Price 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. 95 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 set off by Owner pursuant to 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 punch list of items to be completed or corrected prior to final payment.

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 amounts not paid when due shall bear interest at the current market rate, in accordance with Paragraph 14.02.A.3.c of the General Conditions.

**ARTICLE 8 – CONTRACTOR'S REPRESENTATIONS**

- 8.01 In order to induce Owner to enter into this Contract, Contractor makes the following representations:
  - A. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
  - B. Contractor has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, 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 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 adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
  - E. Contractor has considered the information known to Contractor itself; 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, if any, 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; and (3) Contractor's safety precautions and programs.

- F. Based on the information and observations referred to in the preceding paragraph, Contractor 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.
- 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.
- J. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

## **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. Bid Bond.
  - 5. General Conditions.
  - 6. Supplementary Conditions.
  - 7. Specifications as listed in the table of contents of the Project Manual.
  - 8. Drawings (not attached, but incorporated by reference) consisting of 27 sheets with each sheet bearing the following general title: RIDGE ROAD PUMP STATION DECOMMISSIONING - PHASE 2
  - 9. Addenda (numbers 1 to    , inclusive).
  - 10. Exhibits to this Agreement (enumerated as follows):
    - a. Notice of Bid.
    - b. Contractor's Bid Form.
    - c. Supplemental Specifications.
    - d. Certificate of Liability Insurance.
    - e. Contractor Affidavits.

11. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
  - a. Notice to Proceed.
  - b. Work Change Directives.
  - c. Change Orders.
  - d. Field 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. Unless expressly agreed to elsewhere in the Contract, 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, money that may become due and money that is 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 successors, assigns, and legal representatives to the other party hereto, its 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 *Other Provisions*

- A. Owner stipulates that the General Conditions that are made a part of this Contract are based on EJCDC® C-700, Standard General Conditions for the Construction Contract, published by National Society of Professional Engineers for the Engineers Joint Contract Documents Committee® with Gwinnett County DWR Modifications 06-01-16, Owner is the party that has furnished said General Conditions, and Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.



IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

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

**OWNER:**

WINNETT COUNTY, GEORGIA

By: \_\_\_\_\_  
Nicole L. Hendrickson, Chairwoman  
Gwinnett County Board of Commissioners

Attest: \_\_\_\_\_  
Tina King, County Clerk  
Gwinnett County Board of Commissioners

Approved As To Form:

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)  
Gwinnett County Staff Attorney

**CONTRACTOR:**

\_\_\_\_\_  
Print Company Name

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Print Name and Title

Attest: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Print Name and Title

(SEAL)

SECTION 01 22 15.11

MEASUREMENT AND PAYMENT

BID WATER AND SEWER PROJECTS

PART 1 – GENERAL

SUMMARY

This section defines the bid items of Work listed on the Bid Form and defines how payment shall be determined. Payment shall be made for each item based on the description in this section.

Bid Prices included on the Bid Form shall be full compensation for all materials, labor, equipment, tools, construction equipment and machinery, heat, utilities, transportation, taxes, overhead, markup, incidentals, and services necessary for the execution and completion of the Work in the Contract Documents to be performed under this Contract. For the unit price Work described, actual used and installed quantities of each bid item shall be measured in the field or based on submitted delivery tickets and certified by the Engineer and/or GCDWR upon completion of construction in the manner set forth for each item in this and other sections of the Specifications. Payment for all items listed on the Bid Form will constitute full compensation for all Work shown and specified to be performed.

Pay items included in the Engineer Directed Items on the Bid Form are for any additional work that is determined to be required to complete the project but was not originally shown in the Bid Documents or is indicated “as directed by Owner”. For bidding purposes, use of Engineer Directed Items to pay for items of work that were shown in the Bid Documents is PROHIBITED, unless approved by GCDWR. Measurement and payment under Engineer Directed Items shall be in accordance with the limits established in writing by GCDWR upon directing such work.

The Contractor shall assist and fully cooperate with GCDWR to determine proper measurement and payment for each item providing complete and reasonable backup documentation as requested by GCDWR to substantiate payment due.

BID ITEMS

The following items comprise the Base Bid Total as listed on the Bid form.

1. SPECIFICATION SECTION NO. 01 78 39, UNIT PRICE FOR PROJECT RECORD DRAWINGS:

MEASUREMENT: The quantity to be paid under this item shall be all project record drawings of actual Work installed, complete as specified, submitted, and approved by GCDWR. On any Gwinnett County Department of Transportation project, Project Record Drawings shall be submitted 90 days after the DWR utility work is in service.

PAYMENT: The Unit Price Bid lump sum (LS) shall include all labor, materials, tools, and equipment necessary to prepare and submit project record drawings of actual Work installed, complete as specified, and approved by DWR. No additional payment will be made for multiple submittals.

2. SPECIFICATION SECTION NO 02 32 19, UNIT PRICE FOR EXPLORATORY EXCAVATIONS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of exploratory excavations as verified by GCDWR. This item is to only be used when directed by GCDWR and is not to be used by the Contractor as a method of payment for locating utilities or valves required for the completion of the Work.

PAYMENT: The Unit Price Bid for each (EA) exploratory excavation shall include all necessary labor, equipment, and materials required to perform exploratory excavations. The unit price shall further include full compensation for any traffic control needed for excavations including, but not limited to warning signs, message boards, barricades, lights, and flaggers. Any and all site restoration, haul-off, and clean-up work shall be included in the unit price. Topsoil removed from the immediate site and reused will not be considered for payment.

3. SPECIFICATION SECTION NO. 02 42 11, UNIT PRICE FOR SITE RESTORATION AND REMOVAL OF CONSTRUCTION MATERIAL:

MEASUREMENT: The quantity to be paid under this item shall be lump sum (LS) for cleanup and removal of all junk, rubbish, trash, and construction debris.

PAYMENT: The Unit Price Bid lump sum (LS) shall include all labor, tools, and equipment necessary to complete the Work as specified.

4. SPECIFICATION SECTION NO 03 30 00, UNIT PRICE FOR CAST-IN-PLACE CONCRETE – CLASS A:

MEASUREMENT: The quantity to be paid for under this item shall be the actual number of cubic yards (CY) of cast-in-place concrete placed as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid for cast-in-place concrete shall include excavation, support, formwork, concrete testing, pouring, and finishing. Included shall be the cost of furnishing all materials, labor, equipment, tools, appliances, and other incidentals to complete the work.

5. SPECIFICATION SECTION NO 31 23 00, UNIT PRICE FOR ROCK REMOVAL

MEASUREMENT The quantity of Rock Removal paid for under this item shall be the number of cubic yards (CY) removed within the specified limits. There will be no additional payment for rock removal beyond the specified limits. Rock shall be defined as solid mineral material with a volume in excess of ½ CY that cannot be broken down and removed by the use of heavy construction equipment, such as a Caterpillar Model 215 track-type hydraulic excavator equipped with a short tip radius rock bucket, without drilling or blasting. Materials which can be loosened with a pick, hard pan, boulders less than ½ CY in volume, chert, clay, soft shale, soft and disintegrated rock, and any similar material shall not be considered as rock.

PAYMENT: The Unit Price Bid for cubic yard (CY) of Rock Removal shall include all necessary tools, equipment, labor, and materials to complete the Work. If rock is encountered, the Contractor shall delineate the rock for the proposed work and attain sufficient topographic data to establish the

limits of the rock to be excavated. Any other method of measurement must be approved by GCDWR. The quantity of Rock Removal paid for under this item shall be as follows:

- a) For trench pipe, maximum width will be measured as the lesser of the width of the pipe plus six (6) feet, or the width of the trench
- b) For standard manhole excavation, maximum excavation considered for payment will be the lesser of the actual excavated area or a 10'x10'; for all other manhole sizes the allowable length and width shall be the lesser of the diameter of the manhole plus six (6) feet, or the size of the excavated area.
- c) For bore pits, maximum excavation measurement for payment shall be the size of the pit plus two (2) feet on either side of where rock is found.

No additional payment shall be made for rock removal beyond these limits.

6. SPECIFICATION SECTION NO 31 25 00, UNIT PRICE FOR EROSION SEDIMENTATION AND POLLUTION CONTROLS:

MEASUREMENT: The quantity to be paid under this item shall be as indicated for each Best Management Practice (BMP) actually installed, as indicated on the Drawings, as directed by the Engineer, or as directed by GCDWR.

PAYMENT: The Unit Price Bid shall include all labor, materials, tools, and equipment necessary for furnishing, placing, maintaining, and removing each BMP, as applicable; all costs for inspection, monitoring, and reporting on the erosion sedimentation and pollution controls.

- a) Anionic Polyacrylamide – PAM (Pm): Payment shall be the actual number of gallons (GAL) of undiluted chemical utilized; or if PAM “logs” are utilized, payment shall be the actual number (EA) of PAM “logs” installed.
- b) Hay Bales (Sd1): Payment shall be for (EA) hay bale actually installed.
- c) Temporary Silt Fence Type ‘NS’ (Sd1): Payment shall be the actual number of linear feet (LF) installed. No payment will be made for silt fence required to be reinstalled for any reason.
- d) Temporary Silt Fence Type ‘S’ (Sd1): Payment shall be the actual number of linear feet (LF) installed. No payment will be made for silt fence required to be reinstalled for any reason.
- e) Inlet Sediment Trap (Sd2): Payment shall be for each (EA) number of inlet sediment traps actually installed.
- f) Slope Stabilization (Ss): Payment shall be for the square yards (SY) of matting or netting actually installed. No payment shall be made for maintenance of matting or netting.
- g) Stone Check Dam (Cd-S): Payment shall be for each (EA) stone check dam actually installed.
- h) Riprap (St): Payment shall be for square yards (SY) actually installed.
- i) Straw or Hay Mulch (Ds1): Payment shall be per ton (TN) actually installed at the coverage rates specified.
- j) Temporary Seeding (Ds2): Payment shall be per square yard (SY) of actually planted seed at the coverage rates specified. No payment shall be made for reseeding or maintenance.
- k) Construction Exit (Co): Payment shall be for (EA) construction exit installed and maintained throughout the duration of the project as shown on the plans or as approved by GCDWR.
- l) Construction Road (Cr): The Unit Price Bid shall be Square Yards (SY) for Construction Road Stabilization

7. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR ASPHALTIC CONCRETE 9.5MM SUPERPAVE, TYPE II, GROUP 2 ONLY:

MEASUREMENT: The quantity to be paid for under this item shall be tons (TN) of Asphaltic Concrete 9.5mm Superpave, Type II, Group 2 Only placed to the limits shown on the Drawings or

as directed by GCDWR.

PAYMENT: The Unit Price Bid per ton (TN) shall include furnishing and placing materials including asphalt cement, hydrated lime when required, approved additives, tack coat; milling, removal, and haul off; removal of soils, aggregate and asphalt replaced, cleaning, repairing surfaces, and preparing surfaces; mixing, spreading, rolling; restriping roadway/pavement to match preconstruction striping; and labor, equipment, and materials required for placement. No additional payment will be made for the replacement of traffic loops and shall be included in the cost of the asphalt and coordinated with the local Department of Transportation. Payment shall not be made when asphalt is used by the Contractor due to over excavation or for the Contractor's convenience.

8. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR ASPHALTIC CONCRETE 12.5 MM SUPERPAVE, GP2 ONLY:

MEASUREMENT: The quantity to be paid for under this item shall be tons (TN) of Asphaltic Concrete 12.5mm Superpave, GP2 Only placed to the limits shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid per ton (TN) shall include furnishing and placing materials including asphalt cement, aggregate, hydrated lime when required, approved additives, tack coat; milling, removal, and haul off; removal of soils, aggregate and asphalt replaced, cleaning, repairing surfaces, and preparing surfaces; mixing, spreading, rolling; restriping roadway/pavement to match preconstruction striping; and labor, equipment and materials required for placement. No additional payment will be made for the replacement of traffic loops and shall be included in the cost of the asphalt and coordinated with the local Department of Transportation. Payment shall not be made when asphalt is used by the Contractor due to over excavation or for the Contractor's convenience.

9. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR ASPHALTIC CONCRETE 19MM SUPERPAVE:

MEASUREMENT: The quantity to be paid for under this item shall be tons (TN) of Asphaltic Concrete 19mm Superpave placed to the limits shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid per ton (TN) shall include furnishing and placing materials including asphalt cement, aggregate, hydrated lime when required, approved additives, tack coat; milling, removal, and haul off, removal of soil, aggregate and asphalt replaced, cleaning, repairing surfaces, and preparing surfaces; mixing, spreading, rolling; restriping roadway/pavement to match preconstruction striping; and labor, equipment, and materials required for placement. Payment shall not be made when asphalt is used by the Contractor due to over excavation or for the Contractor's convenience.

10. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR ASPHALTIC CONCRETE 25MM SUPERPAVE:

MEASUREMENT: The quantity to be paid for under this item shall be tons (TN) of Asphaltic Concrete 25mm Superpave placed to the limits shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid per ton (TN) shall include furnishing and placing materials including asphalt cement, aggregate, hydrated lime when required, approved additives, tack coat;

milling, removal, and haul off, removal of soils, aggregate and asphalt replaced, cleaning, repairing surfaces, and preparing surfaces; mixing, spreading, rolling; and labor, equipment, and materials required for placement. Payment shall not be made when asphalt is used by the Contractor due to over excavation or for the Contractor's convenience.

11. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR GRADED AGGREGATE BASE (GAB):

MEASUREMENT: The quantity to be paid for under this item shall be tons (TN) of Graded Aggregate Base (GAB) bedding or backfill placed and compacted as shown on the Drawings, as directed by GCDWR due to pavement failure, temporary road surface, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per ton (TN) of GAB shall include all shaping and compacting of the existing roadbed, spreading, mixing, and watering; milling, removal and haul off and off-site disposal of soils, aggregate, and GAB; and labor, equipment, and materials required for placement and compaction of GAB to the limits specified and shown on the Drawings. No additional payment shall be made for GAB placed outside the limits specified unless otherwise as directed by GCDWR.

12. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR GEOTEXTILE FABRIC:

MEASUREMENT: The quantity to be paid for under this item shall be square yards (SY) of geotextile fabric, as measured before placement in the trench, or after placement for at-grade protection from soil embedment, installed per the manufacturer's recommendations as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) of geotextile fabric shall include all labor, equipment, and materials required for placement of geotextile fabric as shown on the Drawings or as directed by GCDWR.

13. SPECIFICATION SECTION NO. 32 12 16, UNIT PRICE FOR GEOGRID:

MEASUREMENT: The quantity to be paid for under this item shall be square yards (SY) of geogrid, as measured before placement in the trench, or after placement for at-grade protection from soil embedment, installed per the manufacturer's recommendations as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) of geogrid shall include all labor, equipment, and materials required for placement of geogrid as shown on the Drawings or as directed by GCDWR.

14. SPECIFICATION SECTION NO. 32 16 13, UNIT PRICE FOR CURB/COMBINATION CURB & GUTTER:

MEASUREMENT: The quantity to be paid under these items shall be the actual number of linear foot (LF) length of curb and/or combination curb and gutter installed as specified, indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Prices Bid per linear foot (LF) length for curbs/curbs and gutter shall include

the furnishing of all materials, labor, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

15. SPECIFICATION SECTION NO. 32 16 13, UNIT PRICE FOR SIDEWALK INSTALLATION:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of square yards (SY) of sidewalk installed in accordance with the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) of sidewalks shall include the furnishing of all materials, labor, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR. No additional payment will be made for the wheelchair ramps. All materials, labor, tools, and equipment necessary for the ramps will be included in this pay item.

16. SPECIFICATION SECTION NO 32 23 00, UNIT PRICE FOR ADDITIONAL PIPE BEDDING:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of cubic yards (CY) of additional bedding material placed as specified, or as directed by GCDWR and not shown in the Contract Documents.

PAYMENT: The Unit Price Bid per cubic yard (CY) of additional bedding material include any additional permit fees, maintenance charges and inspection fees required by all road departments and the furnishing of all labor, materials, tools, traffic control and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR. Included shall be the cost of additional excavation beyond trench depth to provide firm foundation and any cost of furnishing necessary work beyond the limits of measurement as defined under these specifications. Payment will not be made when bedding material is used by the Contractor due to over excavation or for the Contractor's convenience.

17. SPECIFICATION SECTION NO. 32 92 00, UNIT PRICE FOR PERMANENT SEEDING:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of square yards (SY) of planted seed, complete; to include ground preparation, lime, fertilizer, seed, and mulch as specified, as indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) shall include all labor, materials, tools, and equipment necessary to complete the Work as specified.

18. SPECIFICATION SECTION NO. 32 92 00, UNIT PRICE FOR SODDING:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of square yards (SY) of sod installed, complete; to include ground preparation, lime, fertilizer, and sod as specified, as indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) shall include all labor, materials, tools, and equipment necessary to complete the Work as specified.

19. SPECIFICATION SECTION NO. 32 92 00, UNIT PRICE FOR TOPSOIL:

MEASUREMENT: The quantity paid under this item shall be the number of cubic yards (CY) of topsoil placed.

PAYMENT: The Unit Price Bid per cubic yard (CY) of topsoil placed shall include all labor, equipment, and materials required for topsoil including delivering, placing, grading, and preparing topsoil.

20. SPECIFICATION SECTION NO 32 93 43, UNIT PRICE FOR TREE REPLACEMENT:

MEASUREMENT: The quantity to be paid under this item shall be each actual number (EA) of trees planted by type as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each tree (EA) planted shall include all necessary tools, equipment, labor, and materials to complete the Work.

21. SPECIFICATION SECTION NO. 32 93 43, UNIT PRICE FOR TREE SAVE BARRIER FENCE:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of linear feet (LF) of tree save barrier fence installed as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per linear feet (LF) of tree save barrier fence installed shall include all labor, materials, tools and equipment necessary for furnishing, placing, maintaining, and removing. No payment shall be made for tree save barrier fence required to be reinstalled for any reason.

22. SPECIFICATION SECTION NO 33 01 30.71, UNIT PRICE FOR MANHOLE INVERT REHABILITATION:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of manhole inverts rebuilt.

PAYMENT: The Unit Price Bid for each (EA) manhole invert rehabilitation shall include all necessary tools, equipment, labor, and materials to complete the Work.

23. SPECIFICATION SECTION NO 33 01 30.74, UNIT PRICE FOR BYPASS PUMPING:

MEASUREMENT: The quantity to be paid under this item shall be a lump sum (LS) for all bypass pump requirements needed to complete the work.

PAYMENT: The Unit Price Bid lump sum (LS) shall include all labor, materials, tools, equipment and monitoring personnel required to complete the Work as specified including but not limited to multiple pump setups and discharge pipe.



24. SPECIFICATION SECTION NO 33 05 16.13, UNIT PRICE FOR PRECAST CONCRETE OR COMPOSITE UTILITY STRUCTURES:

MEASUREMENT:

- a. Standard diameter (48") manholes to be paid under this item shall be the total number of vertical feet of manhole base, riser(s), and cone or slab top placed, as measured between the inside invert of the downstream sewer pipe to the top of the ring and cover. All measurements shall be to the nearest one-tenth (0.1) foot.
- b. Large diameter (60", 72", 84" and 96") manholes to be paid under this item shall be the actual number installed of each size base – including the reducer slab. The vertical feet of 48" manhole riser(s) and cone or slab top placed, as measured between the top of the reducer slab to the top of the ring and cover, shall be paid under the Standard diameter (48") manholes.
- c. Frames and covers to be paid under this item for "traffic" and "bolt down" type frames and covers shall be the actual number of manhole frames and covers installed, including all necessary tools, labor and equipment required to complete the Work.
- d. Outside drops to be paid under this item shall be the actual number of outside drops installed. Payment for the manhole shall be paid under the items for manholes described above in items a or b.
- e. Cores to be paid under this item shall be the actual number of manhole cores made, complete with a flexible manhole boot installed, including all necessary tools, labor and equipment required to complete the Work in accordance with these specifications.
- f. Adjustment of frame and cover to be paid under this item shall be the actual number of frames and covers adjusted.

PAYMENT:

- a. The Unit Price Bid per each (EA) of Standard Diameter (48") manhole shall be the total number of manholes installed, including all necessary tools, labor and equipment required to complete the Work.
- b. The Unit Price Bid per each (EA) of Large Diameter (60", 72", 84", and 96") manhole shall be the total number of manholes installed, including all necessary tools, labor and equipment required to complete the Work.
- c. The Unit Price Bid per vertical footage (VF) of Additional Manhole vertical footage shall be the vertical feet of manhole depth over 10-feet as shown on the Drawings. All measurements shall be to the nearest one-tenth (0.1) foot.
- d. The Unit Price Bid for each (EA) frame and cover for "traffic" and "bolt down" type shall be the actual number of manhole frame and cover installed, including all necessary tools, labor and equipment required to complete the Work.
- e. The Unit Price Bid for each (EA) outside drop shall be the actual number of outside drops installed. Payment for the manhole shall be paid under the items for manholes described above in items a or b.
- f. The Unit Price Bid for each (EA) core shall be the actual number of manhole cores made, complete, with a flexible manhole boot installed; including all necessary tools, labor and equipment required to complete the Work in accordance with these specifications. Cores required to correct factory mistakes will not be allowed for payment.
- g. The Unit Price Bid for each (EA) adjustment of frame and cover shall be the actual number of frame and cover adjusted.

25. SPECIFICATION SECTION NO. 33 05 16.13, UNIT PRICE FOR PRECAST CONCRETE VAULTS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of precast concrete vaults installed as shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid per each (EA) precast concrete vault shall include all necessary tools, equipment, labor and materials to complete the Work.

26. SPECIFICATION SECTION NO. 33 05 16.13, UNIT PRICE FOR ADJUSTING/MODIFYING VAULT TOPS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of vault tops adjusted, modified, or replaced as specified, as indicated on the Drawings, or as directed by GCDWR. All salvaged manhole frame and covers are to be returned to GCDWR.

PAYMENT: The Unit Price bid shall be paid per each (EA) valve top adjustment, modification, or replacement and shall include all necessary tools, equipment, labor and materials to complete the Work.

27. SPECIFICATION SECTION NO. 33 05 23.16, UNIT PRICE FOR UTILITY PIPE JACKING:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of linear feet (LF) placed under the respective items: jacked steel casing, as specified, as indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Prices Bid per linear foot (LF) of jacked steel casing shall be in full compensation for all excavation, , dewatering, sheeting, shoring, jacking/auguring operations, receiving pits, concrete, grout, sand and screenings, brick masonry, steel casing pipe, welding, backfill and all other materials, labor tools, and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR. The unit price for each shall further include full compensation for furnishing barricades, warning signs, message boards, and lights. The carrier pipe shall be paid separately under the item titled for the specific pipe material type.

28. SPECIFICATION SECTION NO. 33 05 23.16, UNIT PRICE FOR UTILITY PIPE STEEL CASING OPEN CUT:

MEASUREMENT: The quantity to be paid under this item shall be the actual linear feet (LF) of open cut steel casing by size, furnished and installed.

PAYMENT: The Unit Price Bid per linear foot (LF) shall include steel casing pipe, welding, brick masonry, sand and screenings, clearing and grubbing, excavation, rock excavation, borrow, backfilling, dewatering, sheeting, shoring, bedding, thrust restraints, concrete poly wrap; the furnishing of all other labor, materials, tools, and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR. The carrier pipe shall be paid separately under the item titled for the specific pipe material type.

29. SPECIFICATION SECTION NO 33 11 13.05, UNIT PRICE FOR DUCTILE IRON PIPE  
(WATER):

MEASUREMENT: The quantity to be paid under this item shall be the actual linear feet (LF) of pipe by size, furnished and installed.

PAYMENT: The Unit Price Bid per linear foot (LF) shall include pipe and fittings, clearing and grubbing, excavation, rock excavation, borrow, backfilling, dewatering, sheeting, shoring, bedding, thrust restraints, concrete, poly wrap, pipe coating, free boring; making all required connections to either active or inactive lines including wet cut-ins; testing and sterilization; the furnishing of all other labor, materials, tools, and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

30. SPECIFICATION SECTION NO 33 12 16, UNIT PRICE FOR WATER UTILITY  
DISTRIBUTION VALVES:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA), size, and type of valves installed or relocated as shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Prices Bid per each (EA) valve under this item shall be full compensation for the furnishings, test, installing and painting of all valves, furnishing and installing valve markers, valve boxes with concrete collars, including pilot valves, sleeves, anchors, gauges, gearing, wrenches, lubricant, brackets, valve operating nut extensions, valve keys, the cutting and plugging of existing mains as required, and other accessories and appurtenances, and the furnishing of all detailed drawings, manuals, labor, materials, tools and equipment necessary to complete the Work as specified as indicated on the Drawings, or as directed by GCDWR. All necessary earth excavation required for the installation of valves shall be included in this Unit Price Bid item. The valves specifically included under other items of the contract will be in the payments made under those items.

31. SPECIFICATION SECTION NO 33 12 16, UNIT PRICE FOR WATER TAPPING SLEEVES &  
VALVES:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) and size of tapping sleeve and valves (TS&V) installed as shown on the Drawings or as directed by GCDWR.

PAYMENT: The unit Price Bid for each (EA) TS&Vs under this item shall be full compensation for the furnishing, testing, and installing all tapping sleeves and valves as specified including excavation, valve, valve boxes with concrete collars, valve operating nut extensions, making the tap, concrete support block, furnishing and installing valve markers, and other accessories and appurtenances, and the furnishing of all detailed drawings, manuals, labor, materials, tools, and equipment necessary to complete the Work as specified as indicated on the Drawings, or as directed by GCDWR. All necessary earth excavation required for the installation of valves shall be included in this Unit Price Bid item.

32. SPECIFICATION SECTION NO 33 12 13, UNIT PRICE FOR RELOCATE EXISTING WATER SERVICE METER:

MEASUREMENT: The quantity to be paid under this item shall be the number (EA) of water meters relocated as shown on the Drawings.

PAYMENT: The Unit Price Bid for each (EA) water service meter relocated shall include excavation, backfill, relocation of the meter, meter box and all appurtenances, extension of house service piping which is to be performed by a licensed plumber, connections, coordination with GCDWR and property owner/tenant for service interruption, disinfection, testing, and all necessary tools, equipment, labor, and materials to relocate the service meter and restore the disturbed area as closely as possible to its original state including groundcover, replanting of landscape shrubs using nursery stock as available from local suppliers.

33. SPECIFICATION SECTION NO 33 12 13, UNIT PRICE FOR - WATER SERVICE SHORT SIDE:

MEASUREMENT: The quantity to be paid under this item shall be the number (EA) of short side water meter connections including new service line installation from water main to meter and connection to meter, as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each (EA) water service short side shall include all excavation, backfill, meter box and all appurtenances, connections, coordination with GCDWR and property owner/tenant for service interruption, disinfection, testing, and all necessary tools, equipment, labor, and materials to connect meter and restore the disturbed area as closely as possible to its original state including ground cover, replanting of landscape shrubs using nursery stock as available from local suppliers.

34. SPECIFICATION SECTION NO 33 12 13, UNIT PRICE FOR – WATER SERVICE LONG SIDE:

MEASUREMENT: The quantity to be paid under this item shall be the number (EA) of long side water meter connections including new service line installation from water main to meter and connection to meter, as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each (EA) water service long side shall include all excavation, backfill, meter box and all appurtenances, connections, coordination with GCDWR and property owner/tenant for service interruption, disinfection, testing, and all necessary tools, equipment, labor, and materials to connect meter and restore the disturbed area as closely as possible to its original state including ground cover, roadway repair, replanting of landscape shrubs using nursery stock as available from local suppliers.

35. SPECIFICATION SECTION NO 33 12 16.12, UNIT PRICE FOR AIR AND VACUUM VALVES (NEW INSTALLATION):

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA), size, and type of valves installed as shown on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per each (EA) air and vacuum valve under this item shall include the furnishing of all materials for properly constructing the installation complete; including:

manhole base or vault, riser and slab top, frames and covers or hatch, concrete, excavation, bedding foundation cushion, air and vacuum valve, isolation valve, galvanized steel piping, brass blow-off valve, double strap service saddle, rubber hose with quick disconnect, and the furnishing of all labor, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

36. SPECIFICATION SECTION NO 33 12 19, UNIT PRICE FOR FIRE HYDRANT ASSEMBLY:

MEASUREMENT: The quantity to be paid per each (EA) fire hydrant assembly shall be the actual number of fire hydrant assemblies installed as shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each (EA) fire hydrant assembly shall include excavation, connecting to water main, furnishing and installing hydrants, pipe, fittings and valve from the water main to the hydrant; placing hydrants to correct horizontal alignment and vertical elevation, backfill, testing, and shop and field painting of the fire hydrants; complete with all accessories, appurtenances, restraint, gravel, concrete, and hydrant wrenches; and the furnishing of all labor, materials, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

37. SPECIFICATION SECTION NO 33 12 19.81, UNIT PRICE TO RELOCATE OR RECONNECT FIRE HYDRANTS:

MEASUREMENT: The quantity to be paid under this item shall be based on the actual number (EA) of existing hydrants relocated or reconnected as shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid for relocated or reconnecting each (EA) fire hydrant shall include excavation, disconnecting from, plugging and blocking, or connecting openings in existing mains, cleaning and reworking hydrants and valves removed from the existing water system, and relocating, setting, connecting all hydrants and gate valves to the new mains, complete with all connecting pipe fittings, accessories, appurtenances, restraint, gravel, concrete, and hydrant wrenches, and furnishing all labor, superintendents, equipment, materials, and tools necessary to complete the Work as specified, indicated on the Drawings, or as directed by GCDWR.

38. SPECIFICATION SECTION NO 33 12 19.81, UNIT PRICE TO ADJUST EXISTING FIRE HYDRANTS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of adjusted fire hydrants as specified, as indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid per each (EA) fire hydrant shall include excavation, backfill, adjusting gate valve, complete with all accessories, appurtenances, restraint, gravel, concrete, and hydrant wrenches, and furnishing all labor, equipment, materials, tools, and equipment necessary to complete the Work specified.

39. SPECIFICATION SECTION NO 33 12 19.81, UNIT PRICE FOR SALVAGE EXISTING FIRE HYDRANT:

MEASUREMENT: The quantities to be paid under this item shall be the actual number (EA) of existing fire hydrant(s) removed, transported, and delivered to a location specified by GCDWR.

PAYMENT: The Unit Price Bid for each (EA) salvaging fire hydrant(s) shall include the furnishing of all materials, labor and equipment for excavation, bedding, disconnecting from, plugging and blocking, or connecting openings in existing mains, backfilling, landscape repairs, transporting and delivery of the complete fire hydrant(s) to a location specified by GCDWR. Removal of hydrant valves shall not be measured for payment under any other Bid Item.

40. SPECIFICATION SECTION NO 33 31 00, UNIT PRICE FOR SANITARY UTILITY SEWORAGE PIPING (GRAVITY PVC)

MEASUREMENT: The quantity to be paid under this item shall be the actual linear feet (LF) of pipe by size, furnished and installed.

PAYMENT: The Unit Price Bid per linear foot (LF) shall include pipe and fittings, clearing and grubbing, excavation, borrow, backfilling, dewatering, sheeting, shoring, bedding, thrust restraints, concrete, making all required connections to either active or inactive lines; testing; the furnishing of all other labor, materials, tools, and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

41. SPECIFICATION SECTION 33 31 00, UNIT PRICE FOR SANITARY SEWER SERVICE CONNECTIONS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of service connections installed from the centerline of the main to the edge of the right-of-way; centerline of manhole to the end of the stub; connection to an existing stub, or as indicated on the Drawings.

PAYMENT: The Unit Price Bid for each (EA) service connection under this item shall include excavating, Tee or Wye fitting, pipe, plugs, mastic fillers, pipe bedding, making all required connections to active or inactive sewer lines, and other appurtenances for making connections to sewers, backfilling, electronic markers, testing and inspections, and the furnishing of all labor, materials, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

42. SPECIFICATION SECTION NO 33 31 00, UNIT PRICE FOR SANITARY UTILITY SEWORAGE PIPING (GRAVITY DIP):

MEASUREMENT: The quantity to be paid under this item shall be the actual linear feet (LF) of pipe by size, furnished and installed.

PAYMENT: The Unit Price Bid per linear foot (LF) shall include pipe and fittings, clearing and grubbing, excavation, borrow, backfilling, television inspection of the existing sewer lines, cleaning of the existing sewer lines, manhole repair for any damaged manholes in the course of the work, dewatering, sheeting, shoring, bedding, thrust restraints, concrete, poly wrap, pipe coating, making

all required connections to either active or inactive lines; testing; the furnishing of all other labor, materials, tools and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

43. SPECIFICATION SECTION NO 33 31 00, UNIT PRICE FOR SANITARY UTILITY SEWERAGE PIPING (FORCE MAINS DIP):

MEASUREMENT: The quantity to be paid under this item shall be the actual linear feet (LF) of pipe by size, furnished and installed.

PAYMENT: The Unit Price Bid per linear foot (LF) shall include pipe and fittings, clearing and grubbing, excavation, rock excavation, borrow, backfilling, dewatering, sheeting, shoring, bedding, thrust restraints, concrete, poly wrap, pipe coating, free boring, and painting of non-potable pipe lines; making all required connections to either active or inactive lines including wet cut-ins; testing; the furnishing of all other labor, materials, tools, and equipment necessary for the proper completion of the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

44. SPECIFICATION SECTION NO 34 41 16.10, UNIT PRICE FOR TRAFFIC CONTROL DEVICES:

MEASUREMENT: The quantity to be paid under this item shall be lump sum (LS) for the construction, maintenance, and removal of temporary traffic control devices required for maintenance of traffic during construction.

PAYMENT: The unit Price Bid lump sum (LS) shall include the furnishing of all materials, tools, equipment, and labor necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

45. SPECIFICATION SECTION NO 34 41 16.10, UNIT PRICE FOR TRAFFIC CONTROL – POLICE OFFICERS:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of hours (HR) worked by Police Officer(s), typically used for directing traffic and providing additional visibility for the construction project.

PAYMENT: The Unit Price bid per hour (HR) shall include the use of Police Officer(s) to be paid at the county agreed rate for the actual number of hours worked by Police Officer(s), necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR. The hourly cost shall be a fully loaded cost.

46. SPECIFICATION SECTION No 34 41 16.10, UNIT PRICE FOR TRAFFIC CONTROL – VARIABLE MESSAGE SIGNS:

MEASUREMENT: The quantity to be paid under this item shall be the number of days (DAY) for each electronic, portable, Variable Message Sign(s) (also known as Changeable Message Signs) in operation as specified, as indicated on the Drawings, or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each day (DAY) for the variable message sign shall include

delivery, operation, changing of message as needed or requested by GCDWR within 24 hours, and all necessary tools, equipment, labor, and materials to install, maintain, and remove the sign.

47. SPECIFICATION SECTION NO. 34 71 00, UNIT PRICE FOR DRIVEWAY CUT RESTORATION:

MEASUREMENT: The quantity to be paid under this item shall be the actual number of square yards (SY) of driveway pavement restored within the construction of trench crossing said driveways. The width of pavement measured for payment shall be the lesser of the nearest joint or edge of right of way or easement; except in the instance where entire sections or slabs have been removed under the direction of GCDWR.

PAYMENT: The Unit Price Bid per square yard (SY) of driveway pavement restored shall include the furnishing of all materials, labor, tools, and equipment necessary to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.

48. UNIT PRICE FOR TEMPORARY STREAM/CREEK CROSSING:

MEASUREMENT: The quantity to be paid under this item shall be Lump Sum (LS) for the installation, maintenance, and removal of the temporary stream/creek crossings for the project.

PAYMENT: The Unit Price Bid shall be Lump Sum (LS) for the Temporary Stream/Creek Crossings and shall include all necessary tools, equipment, labor and materials to complete the work including clearing, excavation and backfilling, stream diversion and by-pass pumping, installation of temporary storm drainage piping, aggregate, rip rap, geotextile fabric, maintenance of crossings, and demolition and restoration of crossing as indicated on the Drawings, or as directed by GCDWR.

49. UNIT PRICE FOR CUT/PLUG AND ABANDON EXISTING SEWER LINE:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of existing sewers to be cut and plugged as shown on the Drawings or as directed by GCDWR.

PAYMENT: The Unit Price Bid for each (EA) shall include all necessary tools, labor, equipment, and materials to cut/plug existing sewer lines including excavation, dewatering, backfill, cutting the existing line, and installation of the permanent plug as indicated on the Drawings, or as directed by GCDWR.

50. UNIT PRICE FOR ABANDONMENT OF EXISTING MANHOLES IN PLACE:

MEASUREMENT: The quantity to be paid under this item shall be the actual number (EA) of manholes to be abandoned as shown on the Drawings or as directed by GCDWR.

PAYMENT; The Unit Price Bid for each (EA) existing manhole to be abandoned shall include removal and off-site disposal of the existing manhole top and riser section(s), removal and disposal of any water or solids within the existing manhole, breaking bottom of manhole, placement of #57 stone, placement of compacted earth fill and topsoil above manhole, , and all other necessary tools, equipment, labor and materials to complete the Work as specified, as indicated on the Drawings, or as directed by GCDWR.



51. UNIT PRICE FOR WETLANDS, STREAM BANKS AND STREAM BUFFER RESTORATION:

MEASUREMENT: The quantity to be paid under Wetlands, Stream Banks and Stream Buffer Restoration shall be Lump Sum (LS) for the installation and maintenance of all Wetlands, Stream Banks and Stream Buffer Restoration.

PAYMENT: The Unit Prices Bid shall be Lump Sum (LS) for the Wetlands, Stream Banks and Stream Buffer Restoration and shall include all necessary tools, equipment, labor and materials to complete the Work, including excavation, temporary preservation of wetland soils, placement of on-site wetlands substrate, installation of anti-seep collars, geotextile fabric, live stakes plantings, bare root trees and shrubs plantings, pre and post construction photographic and topographic survey documentation, and all other work as indicated on the Drawings, or as directed by GCDWR.



















PRE-BID CONFERENCE  
BL#024-24

Representative Name	Company Name	Phone #	E-Mail Address
<b>(DEPARTMENT REPRESENTATIVES SIGN-IN AT BOTTOM)</b>			
1. <u>CHAP KARO</u>	<u>GARNEY</u>	<u>678-675-9556</u>	<u>ckaro@garney.com</u>
2. <u>Jon Cook</u>	<u>Russ Cousins</u>	<u>770-402-2969</u>	<u>ESTIMATING@RUSS-COULINS.COM</u>
3. <u>Greg Rosinski</u>	<u>Reeves Young</u>	<u>404-901-1428</u>	<u>grosinski@reevesyoung.com</u>
4. <u>Zach Patterson</u>	<u>JDS</u>	<u>678-794-0955</u>	<u>ZPatterson@JDSPIPE.COM</u>
5. <u>Grant Hamilton</u>	<u>Cleary</u>	<u>270-487-1784</u>	<u>estimating@clearyconst.com</u>
6. <del>XXXXXXXXXX</del>			
7. <u>RICH CROWDER</u>	<u>PPI</u>	<u>770-4338-8161</u>	<u>rcrowder@ppi.us</u>
8. <u>Adam Grice</u>	<u>Mid-South Builders Inc.</u>	<u>770-484-9600</u>	<u>adam@mid-southbuildersinc.com</u>
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
13. _____	_____	_____	_____

Department Representative Name	Department	Department Representative Name	Department
<u>Brittany Bryant</u>	<u>Purchasing-DOFS</u>	_____	_____
<u>Jimmy Powell</u>	<u>DWR</u>	_____	_____
_____	_____	_____	_____