

August 19, 2022

The Honorable Mayor and City Council
City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77316

Re: Monthly Engineering Report
City Council Meeting August 23, 2022

Dear Mayor and Council:

The following is a brief summary that describes our activities since the July 26, 2022 Council Meeting:

Capital Projects:

- 1. Water Plant No. 3 Improvements** – We did not receive a pay estimate this month. Construction of the project is substantially complete. The final inspection was held on August 3rd and the contractor is working to address punchlist items identified at the final inspection.



Figure 1: Cooling Tower



Figure 2: Hydropneumatic Tank

2. GLO Projects

- a. Water Plant No. 3 Generator** – Quiddity issued a notice to proceed on May 16th. It is our understanding the contractor is experiencing delays in the generator arrival. It is also our understanding Quiddity requested that the contractor proceed with construction of the generator slab.

- b. Dr. Martin Luther King Jr. Drive Ditch Regrading and Sanitary Sewer Rehabilitation –** Enclosed as Attachment No. 1 is Pay Estimate No. 1 in the amount of \$55,948.50. The contractor is 12% complete by value and 17% complete by time. The contractor is continuing work on the cured-in-place-pipe lining of the sanitary sewer lines.



Figure 1: Culvert Replacement July 15, 2022



Figure 2: Sanitary Sewer CIPP Installation July 8, 2022

- 3. 2022 Sanitary Sewer Cleaning and Televising – Phase 1 –** We did not receive a pay estimate this month. As a reminder, CCML, LLC dba Pinnacle Pumping Services is no longer in business and the work is being completed by MagnaFlow as a subcontractor. MagnaFlow is proceeding with construction, and we have received and are reviewing the televising videos as they are submitted.
- 4. Clepper Sidewalks –** As a reminder, the project was awarded to Environmental Allies Inc. in the amount of \$231,279.20 and 90 calendar days. The pre-construction meeting was held on August 12th, and we issued a notice to proceed to the contractor on August 19th.
- 5. 15-Year Infrastructure Plan –** We have completed a majority of the requested changes and are proceeding with the additional sanitary sewer analysis as requested. We expect to be complete this month.
- 6. Old Plantersville Waterline Extension –** We received the survey of the project area and are proceeding with design of the 12" waterline. We expect to be complete with design by mid-October. As a reminder this project is being funded by the developer.
- 7. Old Plantersville Force Main Extension –** We received the survey of the project area and are proceeding with design of the 6" force main. We expect to be complete with design by mid-October. As a reminder this project is being funded by the developer.
- 8. McCown St. and Caroline St. Waterline Replacement –** We are coordinating with the surveyor to obtain the survey of the downtown area. Upon receipt of the survey we will proceed with design as authorized at the July 12th Council meeting. We expect to be complete by mid-November.

9. **Downtown Drainage Master Plan** – We are coordinating with the surveyor to obtain the survey of the downtown area. We are proceeding with review of record documents to begin gathering information and upon receipt of the survey, we are prepared to begin the drainage analysis of Downtown Montgomery.
10. **Downtown Sanitary Sewer Rehabilitation** – We are proceeding with design as authorized at the July 12th Council meeting and expect to be complete with design in early October.
11. **Lift Station No. 8 Repairs** – We are working with the City staff to determine the most cost-effective way to repair the force main at Lift Station No. 8, including contacting contractors to discuss pricing for multiple repair options.

Developments:

1. **Feasibility Studies** –

- a. There are no ongoing feasibility studies at this time.

2. **Plan Reviews**

- a. **Shipley's Donuts** – We provided plan approval on August 16th.
- b. **Town Creek Storage II** – We received revised plans on July 8th and provided comments to the plans on July 28th.
- c. **Hills of Town Creek Section 5** – We are awaiting a revised plan set from the Developer.
- d. **Popeye's** – We did not receive a revised plan set this month.
- e. **Grand Monarch Apartments** – We received revised plans on August 16th and plan to provide comments this week.
- f. **Express Oil Change and Tire** – We received plans on August 9th and are proceeding with our review.
- g. **Pizza Shack** – We received plans on July 21st and returned comments on August 17th.
- h. **Montgomery Summit Business Park** – We received plans on July 21st and returned comments on August 10th. We received additional drainage plans on August 11th and are proceeding with our review.
- i. **Pulte Drainage Report** – We received the drainage study on July 12th and provided comments on August 18th.

3. **Plat Reviews**

- a. **Montgomery Brewing Minor Plat** – We received the revised minor plat on July 18th and provided comments on July 28th. We are waiting on a revised plat.

4. Ongoing Construction

- a. There are no ongoing construction projects at this time.

5. One-Year Warranty Inspections

- a. **Town Creek Crossing, Section 1** – The One-Year Warranty Period will end on March 31, 2023.
- b. **Villas of Mia Lago, Section 2** – We are continuing to coordinate with the developer to ensure the remaining punch list items are addressed.

General Ongoing Activities:

1. TxDOT:

- a. **FM 1097 & Atkins Creek Drainage Improvements** – We are coordinating with TxDOT to provide any documentation necessary to determine and prepare the easement area that is to be obtained for the project.
- b. **FM 149 & SH-105 North Bound Right Turn Lane** – It is our understanding that TxDOT continues to wait for utilities to be relocated. It is also our understanding that there is approximately 30 days of work remaining once utilities are relocated.
- c. **Access Management along SH-105** – As you are aware, construction has begun on the access management project along SH-105. According to TxDOT, construction within the City is anticipated to be complete in late summer/early fall 2022. It is our understanding that TxDOT is experiencing delays due to concrete shortages.
- d. **Access Management along SH-105 from Grimes County Line to Shepperd Street**– We are continuing to identify potential utility conflicts with the SH 105 improvements. According to TxDOT, the first phase of the project is scheduled to let in July 2023.
- e. **FM 1097 and Buffalo Springs Drive Traffic Signal Warrant Analysis** – It is our understanding the signal is in design. We do not have an estimated completion date at this time.
- f. **SH-105 and Buffalo Springs Drive Traffic Signal Warrant Analysis** – It is our understanding the signal is in design. We do not have an estimated completion date at this time.
- g. **SH-105 and Emma’s Way** – It is our understanding TxDOT is reevaluating and adjusting the timing of the traffic signal at SH 105 and Emma’s Way to allow for additional green time for vehicles leaving the Hills of Town Creek Subdivision.

- 2. Biweekly Operations and Developments Call** – We are continuing the biweekly operations and developments calls with City Staff and H2O Innovations.

- 3. Emergency Preparedness Plan** – No engineering update. We will continue to follow up until plan approval is received.

4. **Impact Fee Updates** – We received all required files from Quiddity and are proceeding with Impact Fee updates as required per the City’s Code of Ordinances.
5. **Flagship Storm Sewer Inspection** – Television inspection of the storm sewer system is being completed by MagnaFlow, and we expect work to begin this week.

Please let me know if you have any questions.

Sincerely,



Chris Roznovsky, PE
City Engineer

CVR/zlgt

Z:\00574 (City of Montgomery)_900 General Consultation\Meeting Files\Engineer's Reports\2022\08.2022\Review\08-2022 Engineer's Report.docx

Attachments – Pay Estimate No. 1 – MLK Dr. Ditch Regrading and Sanitary Sewer Rehabilitation
Active Developments Map

Cc (via email): The Planning and Zoning Commission – City of Montgomery
Mr. Dave McCorquodale – City of Montgomery, Interim City Administrator and Director
of Planning & Development
Ms. Nici Browe – City of Montgomery, City Secretary
Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney



1575 Sawdust Rd, Suite 400
The Woodlands, Texas 77380
Tel: 281.363.4039
www.quiddity.com

July 19, 2022

The Honorable Mayor and City Council
City of Montgomery
101 Old Plantersville Road
Montgomery, TX 77316

Re: Construction of Sanitary Sewer & Drainage Improvements on Dr. Martin Luther King, Jr. Drive
City of Montgomery
Grant Funds (GLO Contract No. 19-076-017-B366)
TIN: 74-2063592

Dear Mayor and Council:

Enclosed is the Application and Certificate for Payment No. 1 from PM Construction & Rehab, LLC dba IPR South Central for the referenced project. This application covers construction activities for the referenced project during the period from April 24, 2022 to May 25, 2022. During this period the Contractor mobilized to the project and completed all Pre-CCTV and manhole inspections. The estimate is in order and we recommend payment in the amount of \$55,948.50 to PM Construction & Rehab, LLC dba IPR South, Inc.

The Contractor has requested zero (0) impact days for the current payment period. The project is now 12% complete by total contract value and 17% complete by total contract time. The current contractual Substantial Completion date is October 21, 2022.

Sincerely,

A handwritten signature in blue ink, appearing to read "N. B. White", with a long horizontal flourish extending to the right.

Nathaniel B. White, P.E.

NBW:mdc

K:\W5841\W5841-0042-01 GLO - MLK SSR & Drainage Improvements\3 Construction Phase\5. Pay Estimates & Change Orders\Pay Estimate 001

Enclosure

cc: PM Construction & Rehab, LLC
Mr. Dave McCorquodale – City of Montgomery, City Administrator
Ms. Diana Cooley – City of Montgomery, City Secretary
Ms. Alison Long – Grant Works, Inc.

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER/CLIENT:
 City of Montgomery
 101 Old Plantersville Road Montgomery, Texas 77316 United States

PROJECT:
 Construction of MLK Drive Sanitary Sewer & Drainage Improvements
 MLK Drive
 Montgomery, Texas null

APPLICATION NO: 1
INVOICE NO: 1
PERIOD: 04/24/22 - 05/25/22
PROJECT NOS: W5841-0042-01

DISTRIBUTION TO:

FROM CONTRACTOR:
 IPR South Central
 7600 S. Santa Fe Dr Building E Houston, Texas 77061 United States

VIA ARCHITECT/ENGINEER:
 Nathan White (Quiddity Engineering, LLC, The Woodlands)
 1575 Sawdust Road, Suite 400 The Woodlands, Texas
 77380-4241 United States

CONTRACT DATE: 04/14/22

CONTRACT FOR: Construction of Sanitary Sewer & Drainage Improvements on Martin Luther King Drive

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation sheet is attached.

| | | |
|---|--------------|--------------|
| 1. Original Contract Sum | | \$518,319.00 |
| 2. Net change by change orders | | \$2,949.00 |
| 3. Contract sum to date (line 1 ± 2) | | \$515,370.00 |
| 4. Total completed and stored to date (Column G on detail sheet) | | \$62,165.00 |
| 5. Retainage: | | |
| a. <u>10.00%</u> of completed work | \$6,216.50 | |
| b. <u>0.00%</u> of stored material | \$0.00 | |
| Total retainage (Line 5a + 5b or total in column I of detail sheet) | | \$6,216.50 |
| 6. Total earned less retainage (Line 4 less Line 5 Total) | | \$55,948.50 |
| 7. Less previous certificates for payment (Line 6 from prior certificate) | | \$0.00 |
| 8. Current payment due | | \$55,948.50 |
| 9. Balance to finish, including retainage (Line 3 less Line 6) | \$518,319.00 | \$459,421.50 |

| CHANGE ORDER SUMMARY | | ADDITIONS | DEDUCTIONS |
|--|--|-----------|------------|
| Total changes approved in previous months by Owner/Client: | | \$0.00 | \$0.00 |
| Total approved this Month: | | \$0.00 | \$0.00 |
| Totals: | | \$0.00 | \$0.00 |
| Net changes by change order: | | \$0.00 | |

The undersigned certifies that to the best of the Contractor's knowledge, information and belief, the Work covered by this Application for Payment has been completed in accordance with the Contract documents, that all amounts have been paid by the Contractor for Work which previous Certificates for payment were issued and payments received from the Owner/Client, and that current payments shown herein is now due.

CONTRACTOR: IPR South Central

By: _____ Date: _____

State of:

County of:

Subscribed and sworn to before

me this _____ day of _____

Notary Public:

My commission expires:

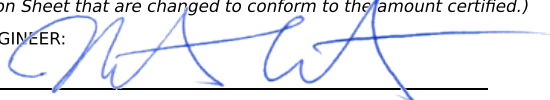
ARCHITECT'S/ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on the on-site observations and the data comprising this application, the Architect/Engineer certifies to the Owner/Client that to the best of the Architect's/Engineer's knowledge, information and belief that Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED: \$55,948.50

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT/ENGINEER:

By:  Date: 7-19-2022

This certificate is not negotiable. The amount certified is payable only to the contract named herein. Issuance, payment and acceptance of payment are without prejudice to the rights of the Owner/Client or Contractor under this Contract.

| A | B | C | | | | | D | | E | | F | G | | | H | I |
|--|--|--------|--------------------|---------------------|------------------|-------------------------|---------------------------------|---------------|-------------|--------------------|---|--|--------------------|---------------|-------------------------|-------------------|
| Item No. | Description of Work | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | Materials Presently Stored(Not in D OR E) | Total Completed and Stored to Date (D + E + F) | | % (G/C) | Balance to Finish (C-G) | Retainage |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| A - General Items | | | \$45,250.00 | \$45,250.00 | \$0.00 | \$45,250.00 | | \$0.00 | | \$45,050.00 | \$0.00 | | \$45,050.00 | 99.56% | \$200.00 | \$4,505.00 |
| 1.1 | Move-in and start-up, including providing performance and payment bonds for 100 percent (100%) of the contract amount, a completed Qualification Statement, and a certificate of insurance, as directed by Engineer. | 1.0 | \$45,000.00 | \$45,000.00 | \$0.00 | \$45,000.00 | 0.0 | \$0.00 | 1.0 | \$45,000.00 | \$0.00 | 1.0 | \$45,000.00 | 100.00% | \$0.00 | \$4,500.00 |
| 1.2 | Distribution of doorhangers and submittal of weekly project schedules, as directed by Engineer. | 1.0 | \$250.00 | \$250.00 | \$0.00 | \$250.00 | 0.0 | \$0.00 | 0.2 | \$50.00 | \$0.00 | 0.2 | \$50.00 | 20.00% | \$200.00 | \$5.00 |
| B - Sanitary Sewer Repair Items | | | \$6,156.00 | \$295,031.00 | \$0.00 | \$295,031.00 | | \$0.00 | | \$17,115.00 | \$0.00 | | \$17,115.00 | 5.80% | \$277,916.00 | \$1,711.50 |
| 2.1 | Sanitary Sewer Cleaning and Televising, 8-inch diameter, all depths, including sewer flow control (including bypass pumping), as required; removal of roots, debris, grease, and other obstructions; disposal of sludge & solid materials; removal and replacement of fencing as necessary; and site restoration, complete as specified. | 4655.0 | \$3.00 | \$13,965.00 | \$0.00 | \$13,965.00 | 0.0 | \$0.00 | 4655.0 | \$13,965.00 | \$0.00 | 4655.0 | \$13,965.00 | 100.00% | \$0.00 | \$1,396.50 |
| 2.2 | Sanitary Sewer Manhole Television Inspection, all depths and sizes, per specifications including cleaning and removal of sludge and solid materials; removal and replacement of fencing as necessary, complete as specified; and site restoration, complete as specified. | 15.0 | \$225.00 | \$3,375.00 | \$0.00 | \$3,375.00 | 0.0 | \$0.00 | 14.0 | \$3,150.00 | \$0.00 | 14.0 | \$3,150.00 | 93.33% | \$225.00 | \$315.00 |
| 2.3 | 8-inch (8") sanitary sewer rehabilitation by CURED-IN-PLACE process, all depths, including post-construction cleaning and televising; sewer flow control (including by-pass pumping, if required); coordination with testing laboratory for materials testing; removal and replacement of sprinkler systems, and other above ground obstructions; providing the Engineer copies of the curing logs; and site restoration to existing or better condition (includes removal and replacement of fencing, sod, etc.); complete in place, as directed by Engineer. | 4495.0 | \$27.00 | \$121,365.00 | \$0.00 | \$121,365.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$121,365.00 | \$0.00 |
| 2.4 | SERVICE LEAD RECONNECTION upon completion of CURED-IN-PLACE process by televised remote controlled cutting device including removal of coupon and testing, all depths, all pipe sizes; complete in place, as directed by Engineer | 46.0 | \$1.00 | \$46.00 | \$0.00 | \$46.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$46.00 | \$0.00 |
| 2.5 | Remove and Replace 8-inch (8") sanitary sewer clean-out, as directed by Engineer. (Page 4 & 15) | 2.0 | \$2,500.00 | \$5,000.00 | \$0.00 | \$5,000.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$5,000.00 | \$0.00 |

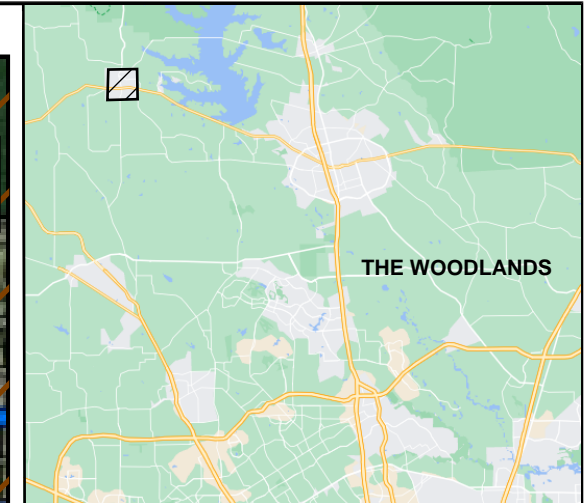
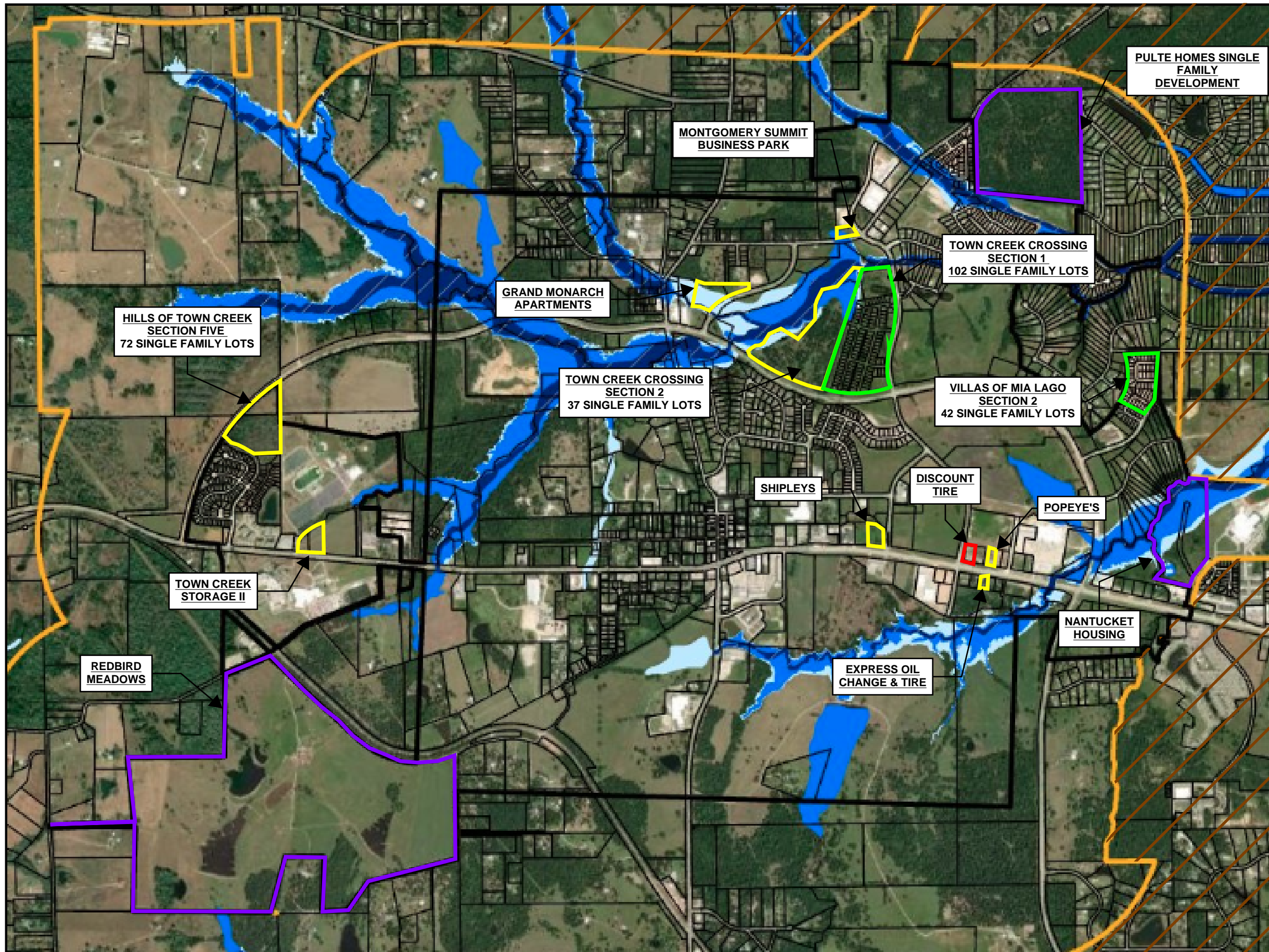
| A Item No. | B Description of Work | C | | | | | D | | E | | F Materials Presently Stored(Not in D OR E) | G | | H Balance to Finish (C-G) | I Retainage | |
|----------------------------------|--|-------|-----------------|--------------------|------------------|-------------------------|---------------------------------|---------------|-------------|---------------|--|--|---------------|------------------------------|--------------------|---------------|
| | | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | | Total Completed and Stored to Date (D + E + F) | | | | % (G/C) |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| 2.6 | Rehabilitation of 48-inch (48") diameter sanitary sewer manholes by sealing the interior of the manhole by applying cured-in-place structural liner, including post-construction cleaning and televising, locating; cleaning; preparation; sewer flow control (including by-pass pumping); material testing; equipment; labor; removal and replacement of sidewalk and driveways as needed; removal and replacement of sprinkler systems, and other above ground obstructions per Attachment A of the Contract as needed; site restoration (includes removal and replacement of fencing, sod, etc.); and materials, complete in place. | 102.2 | \$1,150.00 | \$117,530.00 | \$0.00 | \$117,530.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$117,530.00 | \$0.00 |
| 2.7 | Remove & Replace Manhole Ring & Lid with City of Montgomery lid, complete in place, as directed by Engineer. | 15.0 | \$1,250.00 | \$18,750.00 | \$0.00 | \$18,750.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$18,750.00 | \$0.00 |
| 2.8 | Reshape and Reseal manhole bench and invert (excluding the reshaping incidental to CIPP work), complete in place, as directed by the Engineer. | 15.0 | \$1,000.00 | \$15,000.00 | \$0.00 | \$15,000.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$15,000.00 | \$0.00 |
| C - Drainage Repair Items | | | \$870.00 | \$83,615.00 | \$0.00 | \$83,615.00 | | \$0.00 | | \$0.00 | \$0.00 | | \$0.00 | 0.00% | \$83,615.00 | \$0.00 |
| 3.1 | 12-inch Dual Reinforced Concrete Pipe (RCP), ASTM C-76, Class IV, storm sewer culvert by open cut construction all depths (including fittings, bedding and backfill), complete in place. (Pages 4, 5, 6, & 15) | 219.0 | \$130.00 | \$28,470.00 | \$0.00 | \$28,470.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$28,470.00 | \$0.00 |
| 3.2 | 15-inch Dual Reinforced Concrete Pipe (RCP), ASTM C-76, Class IV, storm sewer culvert by open cut construction all depths (including fittings, bedding and backfill), complete in place. (Page 10) | 23.0 | \$120.00 | \$2,760.00 | \$0.00 | \$2,760.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$2,760.00 | \$0.00 |
| 3.3 | 18-inch Reinforced Concrete Pipe (RCP), ASTM C-76, Class IV, storm sewer culvert by open cut construction all depths (including fittings, bedding and backfill), complete in place. (Pages 4, 5, 6, & 7) | 64.0 | \$155.00 | \$9,920.00 | \$0.00 | \$9,920.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$9,920.00 | \$0.00 |
| 3.4 | 24-inch Reinforced Concrete Pipe (RCP), ASTM C-76, Class IV, storm sewer culvert by open cut construction all depths (including fittings, bedding and backfill), complete in place. (Page 4) | 46.0 | \$190.00 | \$8,740.00 | \$0.00 | \$8,740.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$8,740.00 | \$0.00 |
| 3.5 | 24-inch Dual Reinforced Concrete Pipe (RCP), ASTM C-76, Class IV, storm sewer culvert by open cut construction all depths (including fittings, bedding and backfill), complete in place. (Page 10) | 22.0 | \$200.00 | \$4,400.00 | \$0.00 | \$4,400.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$4,400.00 | \$0.00 |
| 3.6 | Excavation of ditch to final elevations and grades in accordance with plans including | 301.0 | \$30.00 | \$9,030.00 | \$0.00 | \$9,030.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$9,030.00 | \$0.00 |

| A | B | C | | | | | D | | E | | F | G | | | H | I |
|-----------------------------------|---|--------|-------------------|--------------------|------------------|-------------------------|---------------------------------|---------------|-------------|---------------|---|--|---------------|--------------|-------------------------|---------------|
| Item No. | Description of Work | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | Materials Presently Stored(Not in D OR E) | Total Completed and Stored to Date (D + E + F) | | % (G/C) | Balance to Finish (C-G) | Retainage |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| | haul off excess material and removal and replacement of fencing and hydromulch seeding. | | | | | | | | | | | | | | | |
| 3 . 7 | Install 4-ft wide, 4-inch thick reinforced concrete slope paving as shown on plans, including concrete, rebar, weep hole drainage, and toe walls, complete in place. | 451.0 | \$45.00 | \$20,295.00 | \$0.00 | \$20,295.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$20,295.00 | \$0.00 |
| D - Additional Items | | | \$8,528.75 | \$58,954.00 | \$0.00 | \$58,954.00 | | \$0.00 | | \$0.00 | \$0.00 | | \$0.00 | 0.00% | \$58,954.00 | \$0.00 |
| 4 . 1 | Remove existing gravel driveway and replace with asphalt driveway and including removal and disposal of existing culverts (size varies), and temporary access. | 4391.0 | \$9.00 | \$39,519.00 | \$0.00 | \$39,519.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$39,519.00 | \$0.00 |
| 4 . 2 | Remove/Replace existing asphalt pavement including removal and disposal of existing culverts (size varies),and temporary access. | 170.0 | \$8.00 | \$1,360.00 | \$0.00 | \$1,360.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$1,360.00 | \$0.00 |
| 4 . 3 | Remove/Replace existing concrete driveway including removal and disposal of existing culverts (size varies), and temporary access. | 170.0 | \$10.00 | \$1,700.00 | \$0.00 | \$1,700.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$1,700.00 | \$0.00 |
| 4 . 4 | Placement of reinforced filter fabric barrier as per Stormwater Pollution Prevention Site Plan (including installation, maintenance, and removal after construction). | 4500.0 | \$1.75 | \$7,875.00 | \$0.00 | \$7,875.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$7,875.00 | \$0.00 |
| 4 . 5 | TRAFFIC CONTROL PLAN, complete in place, per plans. | 1.0 | \$7,500.00 | \$7,500.00 | \$0.00 | \$7,500.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$7,500.00 | \$0.00 |
| 4 . 6 | PROJECT REPORT for the total contract, including one (1) copy submitted on a USB drive per monthly pay request as well as one (1) external hard drive or USB drive for the entire project to be submitted with the final pay request, including video of all repaired sanitary sewer pipes and manholes post-construction, video and/or | 1.0 | \$1,000.00 | \$1,000.00 | \$0.00 | \$1,000.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$1,000.00 | \$0.00 |
| E - Supplemental Bid Items | | | \$9,823.00 | \$24,995.00 | \$0.00 | \$24,995.00 | | \$0.00 | | \$0.00 | \$0.00 | | \$0.00 | 0.00% | \$24,995.00 | \$0.00 |
| 5 . 1 | Removal of protruding service connection from sanitary sewer by remote controlled cutting device including post-construction cleaning and televising; complete in place, as directed by Engineer. | 2.0 | \$450.00 | \$900.00 | \$0.00 | \$900.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$900.00 | \$0.00 |
| 5 . 2 | 8-inch (8") POINT REPAIR (using 8-inch (8") SDR 26 PVC, including adapters to connect to existing pipe) by excavation, all depths, replacing 6-feet (6') of pipe for each repair, including excavation; trench | 5.0 | \$1,800.00 | \$9,000.00 | \$0.00 | \$9,000.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$9,000.00 | \$0.00 |

| A Item No. | B Description of Work | C | | | | | D | | E | | F Materials Presently Stored(Not in D OR E) | G | | H Balance to Finish (C-G) | I Retainage | |
|---------------|--|------|------------|-----------------|------------------|-------------------------|---------------------------------|--------|-------------|--------|--|--|--------|------------------------------|----------------|---------|
| | | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | | Total Completed and Stored to Date (D + E + F) | | | | % (G/C) |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| | safety; groundwater control; sewer flow control (including by-pass pumping, if required); installation; bedding;removal of old pipe; reconnecting service leads to sewer line (as applicable);any necessary pipe fittings; testing; backfill and compaction testing; post-construction cleaning and televising; removal and replacement of sprinkler systems and other above ground obstructions; and site restoration (includes removal andreplacement of fencing, sod, driveways, sidewalk, etc. as needed, but not including street pavement removal and replacement); complete in place, as directed by Engineer. | | | | | | | | | | | | | | | |
| 5 . 3 | ADDITIONAL LINEAR FOOTAGE for 8-inch (8") sanitary sewer pipe POINT REPAIR beyond the typical 6-feet (6'), per plans, exhibits, and repair tables; complete in place, as directed by Engineer. | 0.0 | \$100.00 | \$0.00 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 100.00% | \$0.00 | \$0.00 |
| 5 . 4 | SERVICE LEAD REPAIR, as applicable, including excavation, trench safety, testing and backfill. Remove existing lead connection and externally reconnect new sanitary sewer service lead to main sanitary sewer line with a new saddle, all sizes and depths; including post-construction cleaning and televising; new saddles and pipe upto at least the edge of the easement or property line, as required; removal of roots and other pipe obstructions; groundwater control; sewer flow control, including by-pass pumping; backfill; removal of old pipe materials (if applicable); removal and replacement of sprinkler systems, and other above ground obstructions; site restoration (includes removal and replacement of fencing, sod, driveways, sidewalk, etc.); complete in place, as directed by Engineer. | 5.0 | \$1,750.00 | \$8,750.00 | \$0.00 | \$8,750.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$8,750.00 | \$0.00 |
| 5 . 5 | HEAVY CLEANING of 8-inch (8") sanitary sewer line to remove mineral deposits, heavy grease, heavy roots, protruding service leads, and other stabilized debris and materials from piping by a remote controlled cutting device, including mobilization and demobilization, complete in place, including post-televising, only asdirected by the Engineer. | 40.0 | \$18.00 | \$720.00 | \$0.00 | \$720.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$720.00 | \$0.00 |
| 5 . 6 | Removal of roots and other pipe obstructions by mechanical cutting device; sewer flow control (including bypass pumping, if required); post-construction cleaning and televising. | 3.0 | \$500.00 | \$1,500.00 | \$0.00 | \$1,500.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$1,500.00 | \$0.00 |
| 5 . 7 | Rehabilitation of 48-inch (48") diameter sanitary sewer manholes by resetting and | 0.0 | \$2,500.00 | \$0.00 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 100.00% | \$0.00 | \$0.00 |












| A Item No. | B Description of Work | C | | | | | D | | E | | F Materials Presently Stored(Not in D OR E) | G | | H Balance to Finish (C-G) | I Retainage | |
|---------------|--|------|------------|-----------------|------------------|-------------------------|---------------------------------|--------|-------------|--------|--|--|--------|------------------------------|----------------|---------|
| | | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | | Total Completed and Stored to Date (D + E + F) | | | | % (G/C) |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| | resealing the manhole ring and throat (approximately top three (3) vertical feet of manhole) including applying a minimum 1-inch (1") cementitious grout to interior of the manhole, including locating; cleaning; preparation; sewer flow control (including by-pass pumping); post-construction photo; material testing; equipment; labor; removal and replacement of sidewalk and driveways as needed; removal and replacement of sprinkler systems, and other above ground obstructions; site restoration (includes removal and replacement of fencing, sod, etc.); removal and replacement of manhole ring and lid (excluding removal & replacement of ring and lids in other bid items); and materials, complete in place. | | | | | | | | | | | | | | | |
| 5 . 8 | Rehabilitation of 48-inch (48") diameter sanitary sewer manholes by resealing the manhole ring and throat (approximately top three (3) vertical feet of manhole) by applying a minimum 1-inch (1") cementitious grout to the manhole, including locating; cleaning; preparation; sewer flow control (including by-pass pumping); post-construction photo; material testing; equipment; labor; removal and replacement of sprinkler systems and other above ground obstructions, as needed; site restoration (includes removal and replacement of fencing, sod, etc.); and materials, complete in place. | 1.0 | \$525.00 | \$525.00 | \$0.00 | \$525.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$525.00 | \$0.00 |
| 5 . 9 | Grout and reseal lateral connection interior to the manhole, complete in place, as directed by the Engineer. | 2.0 | \$500.00 | \$1,000.00 | \$0.00 | \$1,000.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$1,000.00 | \$0.00 |
| 5 . 10 | Grout exterior of manhole frame, complete in place, as directed by Engineer. | 0.0 | \$500.00 | \$0.00 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 100.00% | \$0.00 | \$0.00 |
| 5 . 11 | CLEANING of sanitary sewer manhole to remove mineral deposits, heavy grease, heavy roots, or other stabilized debris from manhole, including mobilization, demobilization, and post-televising, complete in place, as directed by the Engineer | 0.0 | \$750.00 | \$0.00 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 100.00% | \$0.00 | \$0.00 |
| 5 . 12 | Installation of stainless-steel infiltration dish, complete in place, as directed by the Engineer. | 10.0 | \$260.00 | \$2,600.00 | \$0.00 | \$2,600.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$2,600.00 | \$0.00 |
| 5 . 13 | REMOVE AND REPLACE 8-inch (8") SDR 26 PVC, including excavation; trench safety; groundwater control (including well pointing as needed); sewer flow control (including by-pass pumping); installation; | 0.0 | \$170.00 | \$0.00 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 100.00% | \$0.00 | \$0.00 |

| A Item No. | B Description of Work | C | | | | | D | | E | | F Materials Presently Stored(Not in D OR E) | G | | H Balance to Finish (C-G) | I Retainage | |
|-----------------------------|--|-----|--------------------|---------------------|------------------|-------------------------|---------------------------------|---------------|-------------|--------------------|--|--|--------------------|------------------------------|---------------------|-------------------|
| | | Qty | Unit Price | Scheduled Value | Approved Changes | Revised Scheduled Value | From Previous Application (D+E) | | This Period | | | Total Completed and Stored to Date (D + E + F) | | | | % (G/C) |
| | | | | | | | Qty | Value | Qty | Value | | Qty | Value | | | |
| | bedding; removal of old pipe; reconnecting service leads to sewer line (as applicable); testing; backfill and compaction testing; post-construction cleaning and televising; removal and replacement of sprinkler systems and other above ground obstructions; and site restoration (includes removal and replacement of fencing, sod, standard concrete driveways, sidewalk, etc. as needed, but not including street pavement removal and replacement and non-standard concrete driveway removal and replacement); complete in place, as directed by Engineer. | | | | | | | | | | | | | | | |
| F - Change Order 001 | | | \$7,525.00 | \$7,525.00 | \$0.00 | \$7,525.00 | | \$0.00 | | \$0.00 | \$0.00 | | \$0.00 | 0.00% | \$7,525.00 | \$0.00 |
| 6.1 | PCCO#1 - Removal of tree | 1.0 | \$4,025.00 | \$4,025.00 | \$0.00 | \$4,025.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$4,025.00 | \$0.00 |
| 6.2 | PCCO#1- Uncovering manhole and raising to grade | 1.0 | \$3,500.00 | \$3,500.00 | \$0.00 | \$3,500.00 | 0.0 | \$0.00 | 0.0 | \$0.00 | \$0.00 | 0.0 | \$0.00 | 0.00% | \$3,500.00 | \$0.00 |
| Grand Total: | | | \$78,152.75 | \$515,370.00 | \$0.00 | \$515,370.00 | | \$0.00 | | \$62,165.00 | \$0.00 | | \$62,165.00 | 12.06% | \$453,205.00 | \$6,216.50 |



**VICINITY MAP
NTS**

LEGEND

-  City Limits
-  City ETJ
-  City Of Conroe ETJ
-  MCAD Parcels
-  Floodway
-  100-year
-  500-year
-  Complete/Under Warranty
-  Under Construction
-  In Design
-  Planning/Feasibility

Active Developments
August 2022