

APPROVED AS TO FORM


Office of the City Attorney

Prepared By: CWE
Requested: Projects Committee
Presentation on: 3/26/19
Suspension of Rules: No

RESOLUTION

RESOLUTION AUTHORIZING CHANGE ORDER NO. 2 FOR
10TH AVENUE ROADWAY IMPROVEMENTS PROJECT
(A15-1211/ 2016.129.001)

WHEREAS, heretofore, as a result of competitive bidding or as otherwise authorized by the Alabama Competitive Bid Law, Ala. Code §41-16-50, et seq. (1975) and/or Ala. Code §39-2-1, et seq. (1975), the City of Tuscaloosa awarded a contract for the above-referenced project to John Plott Company, Inc., (Contractor's Name); and,

WHEREAS, it has been determined that a change order to the above-referenced contract is necessary for the following reasons:

For additional sanitary sewer and modifications to storm sewer.

as set forth in the C.O. and accompanying documents); and,

WHEREAS, the Architect, the Engineer for the project, or the City's representative, as the case may be, have/has certified to the Council as per the attached change order request, that said change order is: (Mark applicable category)

- a. Minor change of a total monetary value less than required for competitive bidding.
- b. Changes for matters relatively minor and incidental to the original contract necessitated by unforeseeable circumstances arising during the course of work.
- c. Emergency arising during the course of work.
- d. Change or alternates provided for in the original bidding where there is no difference in price of the Change Order from the original best bid on the Alternate.
- e. Change of relatively minor terms not contemplated when the plans and specifications were prepared and the project was bid, and which are in the public interest and do not exceed ten (10) percent of the Contract Price.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF TUSCALOOSA as follows:

1. That the Mayor be, and he is hereby, authorized to execute that certain change order now before the Council for the above stated project in the amount of \$413,199.25 (Change Order Cost), time 32 (Calendar day extension of time), and for the reasons so stated, by and as an act for and on behalf of the City of Tuscaloosa, and the City Clerk is authorized to attest the same.

2. That the Architect or Engineer or Owner's representative, as the case may be, shall implement this change order and properly document the same pursuant to all applicable contract documents.

FUNDING REQUIRED: Yes No

22817162-12052 COBQ-DRA ^{Yes}
22817160-12052 COBQ-D81
61207040-610260 W88FF1

By:

Thomas J. Bond
Finance Director

Chief Financial Officer

COUNCIL ACTION

Resolution /
Ordinance
Introduced
Passed 3-26-19
2nd Reading
Unanimous
Failed
Tabled
Amended
Comments:

CONTRACT CHANGE ORDER NO. 2
City of Tuscaloosa, Office of the City Attorney

DATE: 3/13/2019 PROJECT: 10th Avenue Roadway Improvements Project
 FILE NO.: A15-1211 ENGINEERING PROJECT NO.: 2016.129.001
 TO: John Plott Company, Inc.
 (Contractor)

TERMS: You are hereby authorized, subject to the provisions of your Contract for this project, to make the following changes thereto in accordance with the attached Change Order Request and supporting documents and to:

FURNISH necessary labor, materials and equipment to:

See attached Change Order Request No. 2 for details

TOTAL ADDITION OR REDUCTION TO CONTRACT PRICE:

(Note: Numbers in parentheses are deductions)

| | | |
|--|----|--------------|
| ORIGINAL CONTRACT PRICE | \$ | 4,159,832.14 |
| LESS CONTINGENCY/ALLOWANCE | \$ | 0.00 |
| NET ORIGINAL CONTRACT PRICE | \$ | 4,159,832.14 |
| Net total of previous Change Orders | \$ | 68,228.89 |
| Previous revised contract price | \$ | 4,228,061.03 |
| This Change Order <u>2</u> <input checked="" type="checkbox"/> Add <input type="checkbox"/> Deduct | \$ | 413,199.25 |
| Revised Contract Price this date | \$ | 4,641,260.28 |

Extension of time resulting from the Change Order 32 (Indicate number of calendar days).

The amount of this Change Order will be the responsibility of: The City of Tuscaloosa

This Contract Modification constitutes full and mutual accord and satisfaction for all time and all cost related to this change. By acceptance of this Contract Modification, the Contractor hereby agrees that the modification represents an equitable adjustment to the Contract, and further, agrees to waive all right to file any further claims or changes arising out of or as a result of this change, or the accumulation of executed Contract Modifications to this Contract.

The Contractor and the Owner(s) hereby agree to the terms of this Change Order as contained herein.

CONSENT OF SURETY

WESTERN SURETY
(Company)

By: Robert D. Plott
ATTORNEY-IN-FACT

RECOMMENDED

By: Chuck Keyfield
Neel-Schaffer, Inc.
(Design Engineer or Architect)

CONTRACTING PARTIES

John Plott Company, Inc.
(Contractor)

By: Tom Collins
(Authorized Representative)

CITY OF TUSCALOOSA

Walter M. Hays
(Mayor)

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Robert W Poellnitz Jr, Walter Wayne Guy, Rick Manasco, Robert Gerald Plott, , Anne M Leslie, Individually

of Tuscaloosa, AL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 8th day of February, 2019.

WESTERN SURETY COMPANY



Paul T. Bruflat

Paul T. Bruflat Vice President

State of South Dakota }
County of Minnehaha } ss

On this 8th day of February, 2019, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

June 23, 2021



J. Mohr

J. Mohr Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 13 day of MARCH, 2019



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary

Form 64289-7-2012

Go to www.cnasurety.com > Owner / Obligor Services > validate Bond Coverage, if you want to verify bond authenticity.

CITY OF TUSCALOOSA
OFFICE OF CITY ATTORNEY

CHANGE
ORDER
REQUEST

OWNER: CITY OF TUSCALOOSA

ARCHITECT / ENGINEER: NEEL-SCHAFFER, INC.

CONTRACTOR: JOHN PLOTT COMPANY, INC.

PROJECT: 10th AVENUE ROADWAY IMPROVEMENT

FILE A15-1211 ENGINEERING PROJECT NO.: 2016.129.001

CHANGE ORDER REQUEST NO. 2 DATE: 3/13/2019

1. DESCRIPTION OF CHANGE
See attached Change Order Request No. 1 Backup

2. CHANGE ORDER COSTS: \$413,199.25

Proposal Attached: proposal attached Cost Estimated / Proposal Required

| | Item | Quantity | Material Unit Price | Labor (hours) | Labor Unit Price | Sub-Total Cost |
|-----|--|----------|---------------------|---------------|------------------|----------------|
| a. | See attached Change Order Request No. 2 Backup for Details | | | | | |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| e. | | | | | | |
| f.* | | | | | | |
| | | | | | TOTAL: | \$ 413,199.25 |

* If more than 5 items, provide attachments

3. INSTITUTED BY: The City of Tuscaloosa & Neel-Schaffer, Inc.

4. JUSTIFICATION OF NEED: See attached Change Order Request No. 2 Backup for Details

5. **JUSTIFICATION OF CHANGE ORDER VERSUS COMPETITIVE BIDDING:**

These are all added to an existing contract and are an intergral part of the ongoing work

6. **COSTS REVIEW:**

Costs for the work appear to be reasonable and customary

7. **THIS CHANGE ORDER IS SUBMITTED FOR REVIEW AND APPROVAL AND IS CLASSIFIED AS THE FOLLOWING TYPE:**

- Minor change of a total monetary value less than required for competitive bidding
 - Changes for matters relatively minor and incidental to the original contract necessitated by unforeseeable circumstances arising during the course of work
 - Emergencies arising during the course of work
 - Change or alternates provided for in the original bidding where there is no difference in price of the Change Order from the original best bid on the Alternate
 - Change of relatively minor terms not contemplated when the plans and specifications were prepared and the Project was bid and which are in the public interest and do not exceed 10% of the Contract Price
-

8. **EXTENSION OF CONTRACT TIME REQUESTED: Calendar Days**

32

RECOMMENDED:

BY:

Tyrre/Loose's Consulting Engineer/Architect

BY:

Chuck Reynolds

City Representative
Jeremy D. Jones

APPROVED:

BY:

Tim Gilliam

Contractor

BY:

Owner's Legal Advisor

BY:

Owner's Authorized Representative

**10th Avenue Roadway Improvements
Project No. 2016.129.001
Project Change Order Request No. 2 Backup**

| Construction Change No. | Old Item No. | Description | Quantity | Units | Unit Price | Total |
|--|--------------|--|----------|-------|--------------|----------------------|
| 6 | 2240-2 | Crushed Aggregate, 825 Type A | 3,500 | ton | \$ 21.32 | \$ 74,620.00 |
| 6 | 2500-6 | Upper Binder Patching (550#/cy) | 265 | ton | \$ 107.80 | \$ 28,614.00 |
| 6 | 2722-7 | 8" Diameter DIP, CL52 Epoxy Lined Sanitary Sewer (10'-12' cut) | 239 | ft | \$ 124.69 | \$ 29,600.81 |
| 6 | 2722-7 | 8" Diameter DIP, CL52 Epoxy Lined Sanitary Sewer (10'-12' cut) | (55) | ft | \$ 124.69 | \$ (6,857.85) |
| 6 | 2722-10 | Post Construction Camera Inspection | 671 | ft | \$ 4.88 | \$ 3,274.48 |
| 6 | 2722-11 | 8" Diameter DIP, CL52 Epoxy Lined Sanitary Sewer (8'-10' cut) | 437 | ft | \$ 126.03 | \$ 54,444.98 |
| 6 | 2722-12 | 4" Diameter Pre-Cast MH (8'-10' cut) Epoxy Lined | 1 | ea | \$ 8,141.51 | \$ 8,141.51 |
| 6 | 2722-13 | 4" Diameter Pre-Cast MH (10'-12' cut) Epoxy Lined | 2 | ea | \$ 6,235.17 | \$ 12,470.34 |
| 6 | 2722-14 | 8" x 4" DI Wye | 6 | ea | \$ 1,573.50 | \$ 9,441.00 |
| 6 | 2722-15 | 8" x 8" DI Wye | 1 | ea | \$ 1,609.77 | \$ 1,609.77 |
| 6 | 2722-16 | 4" PVC, C800, DR21 Sewer Lateral | 615 | ft | \$ 78.96 | \$ 40,664.40 |
| 6 | 2722-17 | 6" PVC, C800, DR21 Sewer Lateral | 50 | ft | \$ 77.20 | \$ 3,860.00 |
| 6 | 2722-18 | Ground-Fill Extending Sanitary Sewer | 505 | ft | \$ 15.43 | \$ 7,782.15 |
| 6 | 2722-19 | Adjustment to MH-A2 | 1 | ls | \$ 1,907.85 | \$ 1,907.85 |
| 6 | 2722-19 | Temporary Connect Sewer Laterals | 3 | ea | \$ 885.82 | \$ 2,657.46 |
| 7 | 2528-2 | Retaining Wall at Structure #88 | 1 | ls | \$ 22,219.76 | \$ 22,219.76 |
| 6 | 2433-7 | 88" Span x 54" Rise Roadway Pipe | 72 | ft | \$ 493.41 | \$ 35,525.52 |
| 6 | 2602-4R | Revisions to Structure No. 140 | 1 | ls | \$ 1,725.00 | \$ 1,725.00 |
| 6 | 2602-12 | Special Structure No. 138 | 1 | ls | \$ 29,443.65 | \$ 29,443.65 |
| 6 | 2602-13 | Special Structure No. 125 | 1 | ls | \$ 29,816.35 | \$ 29,816.35 |
| 6 | 2602-3R | Revisions to Structure No. 105 | 1 | ls | \$ 575.00 | \$ 575.00 |
| misc | 2722-20 | Additional Bypass Pumping | 1 | ls | \$ 23,752.89 | \$ 23,752.89 |
| TOTAL CHANGE ORDER REQUEST NO. 2: | | | | | | \$ 413,189.24 |

Justification: Construction Change No. 6

The storm sewer on the project extends north beyond Meadow Lawn Drive to approximately station 38+50 on the west side of 10th Avenue, and to approximately station 43+25 on the east side of 10th Avenue.

In the process of installing the storm sewer on the west side of 10th Avenue, the contractor discovered conflicts with the first three sewer services north of Meadow Lawn Drive; after doing some additional research, it was determined that the sewer main in the middle of 10th Avenue was not low enough to allow reconnection of these services.

In the process of laying the storm sewer on the east side of 10th Avenue, the contractor encountered a sewer service that appeared to come from the Church at approximately station 42+50. After doing some additional research, it was determined that the sewer service found actually came from the Mexican restaurant on Hargrove Road; the Church's sewer service actually connects to a main to the south of the Church. The sewer service for the restaurant runs across the Church's property, out the front of the property, turns south down 10th Avenue and then connects to the existing manhole at approximately station 41+75; after viewing the service with a camera, it appeared to be stopped up or collapsed.

To alleviate the conflicts and reconnect all of the sewer services, it was determined to lay a new sewer main at a lower elevation from new manholes A2 (installed as part of the original contract) north to approximately station 43+25. This work will include three additional manholes, approximately 671 linear feet of 8" epoxy lined sanitary sewer main, approximately 565 linear feet of sewer service (lateral) piping, and all other items for a complete and functional installation.

10th Avenue Roadway Improvements
Project No. 2018.129.001
Project Change Order Request No. 2 Backup

Justification: Construction Change No. 7

New structure no. 88 is constructed on top of, and adjacent to, an existing 8' x 5' culvert and drainage easement. The retaining walls are needed to support the shoulder of the road between the end of the structure and the edge of 10th Avenue

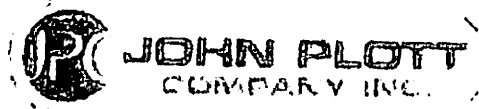
Justification: Construction Change No. 8

Due to some future upstream drainage upgrades, it was requested that the 18" RCP between structure nos. 125 and 138, and the 30" RCP between structure nos. 138 and 140, be replaced with 72" equivalent RCP (or 68" span x 54" rise). To accomplish this, structure nos. 125, 138 and 140 had to be modified. Structure nos 125 and 138 were standard inlets that had to be changed to special structures to accommodate the larger pipe; structure no. 140 was already a special structure built to accommodate the piping required by the project but still required slight modifications

Justification: Construction Change No. 9

Structure no. 105 is located on the west side of 10th Avenue in an existing driveway for a residence at the corner of Meadow Lawn Drive; the driveway is to be removed and re-installed to enter from Meadow Lawn Drive instead of 10th Avenue. The removal of the driveway and the subsequent construction of the structure will trap water in the front yard of the residence that could ultimately back up into the home. Prior to this project, the water drained down the old driveway into 10th Avenue.

The solution was to provide a means for the water to enter the back side of structure no. 105. Consequently, a 24" long by 6" high slot was added to the rear along with slope paving to help collect the water.



**Change Order Request # 12 for:
Construction Change # 6**

February 28, 2019

Project: 10th Avenue Roadway Improvements Project
Project No. 2016.129.001

RE: CO request # 12 for: Added Sanitary Sewer per Construction Change # 6

Attn: Mr. Chuck Reynolds

Below is the pricing for the work associated with drawing change # 6. Total quantities are estimated based off the drawing and quantities provided by Neel-Schaffer, Inc. Along with the monetary compensation, John Plott Company is requesting 21 additional calendar days be added to the contract.

| Item No. | Description | Qty | Unit | Unit Price | Total Price |
|-----------------------|--|-----|------|--------------|--------------|
| 12 2722-10 | 4' Diameter Precast MH (8'-10' cut) Epoxy Lined | 1 | ea | \$ 6,141.51 | \$ 6,141.51 |
| 13 2722-11 | 4' Diameter Precast MH (10'-12' cut) Epoxy Lined | 2 | ea | \$ 6,235.17 | \$ 12,470.34 |
| 14 2722-12 | 8" Diameter DI CL 52 Epoxy Lined Sewer (8'-10' cut) | 432 | lf | \$ 126.03 | \$ 54,444.96 |
| 15 2722-13 | 8" X 4" Wye | 6 | ea | \$ 1,573.50 | \$ 9,440.99 |
| 16 2722-14 | 8" X 6" Wye | 1 | ea | \$ 1,609.77 | \$ 1,609.77 |
| 17 2722-15 | 4" PVC, C900, DR 21, Sewer Lateral | 515 | lf | \$ 78.96 | \$ 40,664.40 |
| 18 2722-16 | 6" PVC, C900, DR 21, Sewer Lateral | 50 | lf | \$ 77.20 | \$ 3,860.00 |
| 19 2722-17 | Grout-Fill Existing Sanitary Sewer (to be abandoned) | 975 | lf | \$ 15.43 | \$ 14,772.75 |
| 20 2722-18 | Additional Bypass Pumping for proposed work | 1 | ls | \$ 45,321.74 | \$ 45,321.74 |
| 21 2722-19 | Payment for unusable manhole A1 | 1 | ls | \$ 2,725.00 | \$ 2,725.00 |
| 22 2722-20 | MH A2 adjustments (In pipe will not have boot) | 1 | ls | \$ 1,907.85 | \$ 1,907.85 |

\$11,503.46
(8/10/19)

Clarifications/Exclusions.

1. Epoxy Coated DI pipe has a 4wk lead time from release of order. It may be possible to improve this time if a prompt response is provided.
2. The bypass pumping that is on-going shall be paid separate from this at the daily rate provided in CO Request # 11. The day the DI pipe is received bypass pumping item 2722-18 priced above will commence and the daily rate will stop.
3. All other contract items (stone backfill, CCTV, pavement patching etc.) will be paid at the contract unit prices as required.

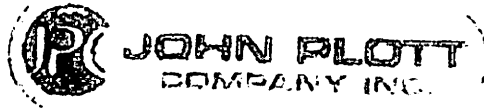
4. Item 2722-20 is a lump sum price to make adjustments to the manhole already set.
5. Item 2722-19 is a lump sum price for the manhole that was purchased, and delivered to the site but will not be used.
6. Pricing is based on having 10th AVE closed to thru traffic during work.

Let me know if you have any questions.

Thank You,

~~Andy Marshman~~

Project Manager/Safety Coordinator
John Plott Company, Inc.



**Change Order Request # 13 for:
Construction Change # 7,8,9**

March 12 2019

Project: 10th Avenue Roadway Improvements Project
Project No. 2016.129.001

RE: CO request # 12 for: Added Storm Sewer Improvements

Attn: Mr. Chuck Reynolds

Below is the pricing for the work associated with drawing change # 7,8 and 9. Quantities are estimated based off the drawing and quantities provided by Neel-Schaffer, Inc. Item 2a for the additional 88" X 54" Arch pipe is listed at the already established unit price in the contract. Along with the monetary compensation, John Plott Company is requesting 11 additional calendar days be added to the contract.

| Item No. | Description | Qty | Unit | Unit Price | Total Price |
|----------|--|-----|------|--------------|----------------|
| 2521-7 | 1 Change # 7 (retaining wall at structure 88) | 1 | ls | \$ 22,219.76 | \$ 22,219.76 ✓ |
| 2612-48 | 2a Change # 8 (Modifications to Structure 140 to accommodate 88" X 54" RCAP) | 1 | ls | \$ 1,725.00 | \$ 1,725.00 ✓ |
| 2433-7 | 2h Change # 8 (Added 88" X 54" RCAP) | 72 | lf | \$ 493.41 | \$ 35,525.52 ✓ |
| 2102-12 | 2c Change # 8 (New Structure # 138) | 1 | ls | \$ 29,443.85 | \$ 29,443.85 ✓ |
| 2602-12 | 2d Change # 8 (New structure # 125) | 1 | ls | \$ 29,616.35 | \$ 29,616.35 ✓ |
| 2402-20 | 3 Change # 9 (Modifications to structure 105) | 1 | ls | \$ 575.00 | \$ 575.00 ✓ |

Additional outstanding items that we are requesting compensation for are below. These are related to pumping sewer and storm water, and temporary relocating existing laterals so the storm sewer could be installed. Once the answer was provided to temporarily install MH A1, the pumps were removed. Dates are listed below.

| Item No. | Description | Qty | Unit | Unit Price | Total Price |
|----------|--|-----|------|--------------|----------------------------|
| 4 | Bypass Pumping sewer main and storm sewer from 2/16/19 to 3/2/19 (14 days per pump at daily cost of \$437.48/ day) | 1 | ls | \$ 12,249.44 | \$ 12,249.44 + 11,908.45 ✓ |
| 5 | Temp in Laterals at 37+00 L, 38+00 L and 44+00 R | 3 | ea | \$ 885.82 | \$ 2,657.46 ✓ |



Clarifications/Exclusions.

1. Quote is valid for 15 days.
2. Quote is only valid if all work is awarded. If portions are deleted, re pricing remaining portions will be required
3. All other contract items (stone backfill, fence removal, fence replacement, slope paving, pavement patching etc.) will be paid at the contract unit prices as required.
4. No utility adjustments are included. If required, they shall be completed by others or pricing will be provided to perform the additional work.
5. Pricing is based on having 10th AVE closed to thru traffic during work.

Let me know if you have any questions.

Thank You,

Andy Harshman
Project Manager/Safety Coordinator
John Plott Company, Inc.

Chuck Reynolds

From: Andrew Harshman <aharshman@jplott.com>
Sent: Friday, March 01, 2019 11:16 AM
To: Chuck Reynolds
Subject: FW: 10th Avenue Roadway Improvements (2016.129.001)
Attachments: CO Request No. 12.pdf

Chuck,
The bypass pumping can be cut to \$11,503.45 (1 LS)

Thanks,
Andy

From: Andrew Harshman
Sent: Thursday, February 28, 2019 12:04 PM
To: 'Chuck Reynolds' <chuck.reynolds@neel-schaffer.com>
Cc: Herbert Hamilton <HHamilton@JPlott.com>; David Fincher <david.fincher@neel-schaffer.com>; Phillip Guin <phillip.guin@neel-schaffer.com>
Subject: RE: 10th Avenue Roadway Improvements (2016.129.001)

Chuck,
Attached is the pricing.

Thanks,
Andy

From: Chuck Reynolds <chuck.reynolds@neel-schaffer.com>
Sent: Wednesday, February 27, 2019 10:48 AM
To: Andrew Harshman <aharshman@jplott.com>
Cc: Herbert Hamilton <HHamilton@JPlott.com>; David Fincher <david.fincher@neel-schaffer.com>; Phillip Guin <phillip.guin@neel-schaffer.com>
Subject: 10th Avenue Roadway Improvements (2016.129.001)

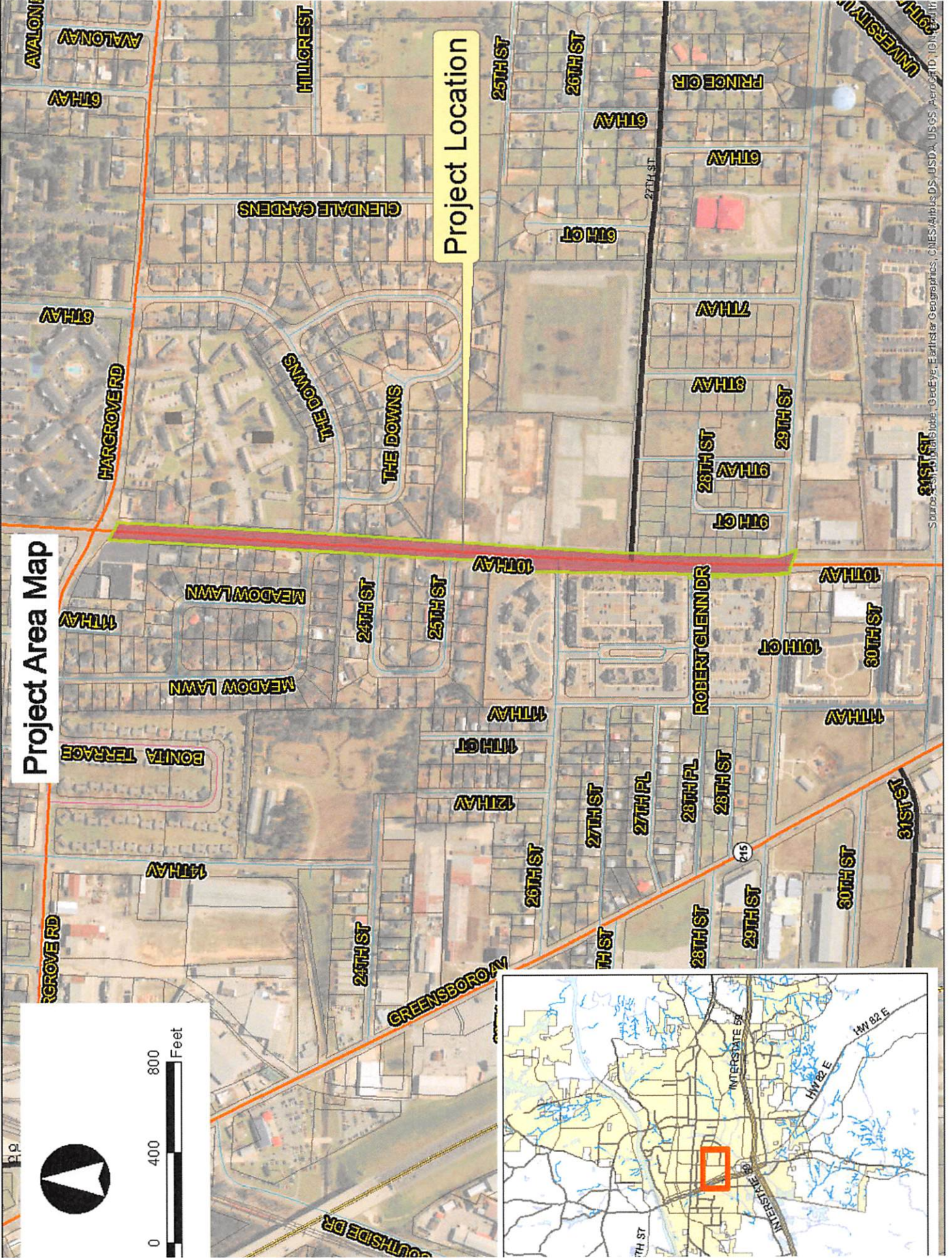
Andy,

Attached is Drawing No. 39A, revised to show the extension of the gravity sewer line up 10th Avenue to approximately station 43+25. We need unit pricing on the following items that were added for which we do not already have pricing in the contract:

| | | | |
|--------------|-----|----|---|
| Item 2722-10 | 1 | ea | 4' Diameter Pre-Cast MH (8'-10' cut), Epoxy Lined |
| Item 2722-11 | 2 | ea | 4' Diameter Pre-Cast MH (10'-12' cut), Epoxy Lined |
| Item 2722-12 | 432 | lf | 8" Diameter DI CL52 Epoxy Lined Sanitary Sewer (8'-10' cut) |
| Item 2722-13 | 6 | ea | 8" x 4" DI Wye |
| Item 2722-14 | 1 | ea | 8" x 6" DI Wye |
| Item 2722-15 | 515 | lf | 4" PVC, C900, DR21, Sewer Lateral |
| Item 2722-16 | 50 | lf | 6" PVC, C900, DR21, Sewer Lateral |
| Item 2723-17 | 925 | lf | Grout-Fill Existing Sanitary Sewer (to be abandoned) |

Project Area Map

Project Location



Source: Esri, DeLorme, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, etc.