

ADDENDUM NUMBER 4

Dec. 20, 2019

CITY OF COVINGTON 2019 GRAVITY SEWER REPAIRS

Covington City Project Number 119-106
Kyle Associates Project Number 19017

KYLE ASSOCIATES, LLC
638 Village Lane North
Mandeville, LA 70471

This Addendum No. 4 forms a part of the Contract Documents and modifies the original Contract Documents, dated November 1, 2019, as noted below. Bidder shall acknowledge receipt of this Addendum in the space provided on the Uniform Public Work Bid Form.

General

The following line segments have been **removed** from the project: Nve-001_Nve-001C 15" VCP pipe, Nve-001C_Nve-001B 15" CI pipe, Mainline Nve-001B_Nve-001A 15" CI pipe and Nve-001A_21st-002 15" VCP pipe

The following line segments have been **added** from the project: W-Gib-001A_Gib-001A 8" VCP pipe, Gib-001A_NVE-003 8" VCP pipe, and FLA-002_FL A-002A

Replace Bid Form marked Addendum 2 with the Bid Form marked Addendum 4 included in this addendum.

Replace Section 01 22 20, Measurement and Payment marked Addendum 1 with the Measurement and Payment marked Addendum 4 included in this addendum.

Replace Section 01 11 00, Summary of Work in original bid package with Summary of Work marked Addendum 4 included in this addendum.

Replace DT-4, Foundation Details marked Addendum 1 with DT-4 marked Addendum 4 included in this addendum.

Add DT-6, Precast Sewer Manhole marked Addendum 4 to the project.

Thickness for lateral lining in items PL-400, PL-401, PL-402, and PL-403 is changed from 6.0 mm to 4.0 mm

Contractor Questions:

Q: : Bid Item PR-203 & PR-204 – Restore 12" Sewer Main By Point Repair 0-8' deep – all the repairs shown in the Scope of Work sections on pages 01-11-00-4 thru 8 indicate

the repairs to be done on existing 12" lines. All of the depths shown are deeper than 8'. How are these to be paid?

A: The description has been changed from (0'-8' deep) to (8' and deeper).

Q: The work on Boston Street is within a DOTD Right of Way. Will this work have to be done at night? IF so, the digging work can be done at night or weekends, but the asphalt restoration is a different story. For this small quantity, no guarantees that asphalt will be available after hours. How is this to be handled?

A: Any single lane closures affecting US 190 Business (Boston Street) will need to be scheduled between the hours of 8PM and 6AM nightly. If you need a few more hours on weekends, this could extend the allowable lane closure times until 9AM on Saturdays and Sundays.

Q: Item PR-204 Restore 12" Sewer Main Beyond Point Repair has a Unit of Measure of "EACH"; should that be "LF" as is PR-201 & PR-206?

A: On the Bid Form, units for PR-204 are to be changed to "LF" instead of "Each"
Please clarify our understanding of these items related to cleanouts:

Q: Cleanouts on existing service laterals will be replaced and included for payment with the lateral item PR-507.

A: Cleanouts are to be included in the cost of installing a new lateral. If the lateral to be replaced has a cleanout that is in good condition and is on PVC, it does not need to be replaced. It is the intention to have a clean-out on every lateral at the property line.

Q: Item PR-509 is a stand-alone item for a cleanout installed on an existing lateral which is not replaced under Item PR-507.

A: That Is Correct

Q: Item PR-510 is for the metal box (assuming V-8504) installed where a cleanout falls in a sidewalk, regardless of whether lateral is paid via Item PR-507 or PR-509.

A: The cleanout box is paid separately if used in either case.

Q: The sewer lateral and cleanout detail, as well as Section 30 04 00, requires a V-8504 box on every cleanout. If that is the case, why is there a separate pay item for a cleanout box in the sidewalk (PR-510)?

A: The cleanout box is paid separately if used, and it is only intended to be used in sidewalks and driveways.

Q: Item PR-510 includes any sidewalk replaced for any cleanout installation, whether Item PR-507 or PR-509.

A: It is the intention to use item PR-105 for both sidewalks and driveways and to pay separately from the cleanout or cleanout box itself.

Q: What if a lateral installed under Item PR-507 crosses a sidewalk but the cleanout is not in the sidewalk? How will the sidewalk be paid? (there is no item for replacing sidewalks.)

A: It is the intention to use item PR-105 for both sidewalks and driveways and to pay separately from the cleanout or cleanout box itself.

Q: The manhole detail shows a brick manhole. Will precast concrete manholes be allowed? If so, will any linings, coatings or special admixtures be required?

A: Due to the time constraints on working hours on Boston St., pre-cast manholes will be preferred on Boston Street and are allowed on the remainder of

the project. Precast manholes will need to include an add-mixture of Xypex with the red dye or an approved equal (see attached detail)

Total Pages with attachments: 27

End of Addendum No. 4

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: City of Covington
317 N. Jefferson Avenue
Covington, Louisiana 70433

BID FOR: 2019 Gravity Sewer Repairs
CCC No. 119-106

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Kyle Associates, LLC, 638 Village Ln. N. Mandeville, LA 70471 and dated: November 1, 2019

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____ Dollars (\$ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A _____ Dollars (\$ _____)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A _____ Dollars (\$ _____)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A _____ Dollars (\$ _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

Name OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public Work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.(A) attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

TO: City of Covington
317 N. Jefferson Avenue
Covington, Louisiana 70433

BID FOR: 2019 Gravity Sewer Repairs
CCC No. 119-106

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ TEMPORARY TRAFFIC CONTROL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
NS-200	1	LUMP SUM		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ MOBILIZATION FOR POINT REPAIRS			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-100	1	LUMP		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REMOVAL OF ASPHALTIC PAVEMENT PAVEMENT (FULL DEPTH)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-101	702	SY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REMOVAL OF CONCRETE WALKS AND DRIVES			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-102	171	SY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ ASPHALTIC PAVEMENT PATCHING (12" MINIMUM THICKNESS)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-103	702	SY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ TEMPORARY ASPHALTIC PATCHING (4" MINIMUM THICKNESS)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-104	702	SY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CONCRETE DRIVE (6" THICK WITH WWF REINFORCEMENT)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-105	197	SY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ SAWCUTTING ASPHALTIC AND/OR CONCRETE PAVEMENT (FULL DEPTH)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-106	2261	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 8" SEWER MAIN BY POINT REPAIR (0-8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-200	32	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 8" SEWER MAIN BEYOND POINT REPAIR (0-8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-201	10	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 8" SEWER MAIN BY POINT REPAIR (>8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-202	10	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 8" SEWER MAIN BEYOND POINT REPAIR (>8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-203	10	LF		

Wording for "DESCRIPTION" is to be provided by the Owner
All quantities are estimated. The contractor will be paid upon actual quantities as verified by Owner.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: City of Covington
317 N. Jefferson Avenue
Covington, Louisiana 70433

BID FOR: 2019 Gravity Sewer Repairs
CCC No. 119-106

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DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 12" SEWER MAIN BY POINT REPAIR (>8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-204	11	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ RESTORE 12" SEWER MAIN BEYOND POINT REPAIR (>8' DEEP)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-205	10	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 8" SERVICE TEE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-400	28	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 12" SERVICE TEE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-402	11	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REPAIR MANHOLE CONNECTION			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-500	3	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ PROVIDE AND SETUP 6" BYPASS PUMP			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-501	1	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ OPERATION OF 6" BYPASS PUMP			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-503	40	HR		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REMOVE UNSUITABLE MATERIAL AND REPLACE WITH SELECT GRANULAR MATERIAL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-504	18	CY		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REMOVE AND REPLACE 6" SEWER LATERAL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-507	852	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ DEWATERING			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-508	3	EACH		

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DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSTALL SEWER CLEANOUT ON EXISTING LATERAL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-509	9	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSTALL SEWER CLEANOUT BOX IN SIDEWALK			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-510	35	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSTALL SANITARY SEWER MANHOLE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PR-511	5	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CLEAN 8" TO 10" SANITARY SEWER			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-200	1172.7	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CLEAN 12" TO 15" SANITARY SEWER			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-201	406	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ ROOT REMOVAL, ALL PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-300	50	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ VIDEO INSPECTION/RADIAL VIEW CAMERA IN 8" TO 10" PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-400	728	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ VIDEO INSPECTION/RADIAL VIEW CAMERA IN 12" TO 15" PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-401	406	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ REVERSE SETUP FOR 8" THRU 15" PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-402	1	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CLEAN 4" TO 6" SANITARY SEWER LATERAL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-403	20	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ VIDEO INSPECTION/RADIAL VIEW CAMERA IN 4" TO 6" LATERAL			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
TV-404	20	EACH		

Wording for "DESCRIPTION" is to be provided by the Owner
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LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

TO: City of Covington
317 N. Jefferson Avenue
Covington, Louisiana 70433

BID FOR: 2019 Gravity Sewer Repairs
CCC No. 119-106

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ MOBILIZATION FOR CIPP INSERTION			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-100	1	LUMP		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 6.0 MM CIPP IN 8" PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-200	2864.8	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 6.0 MM CIPP IN 12" PIPE			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-202	731	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ ADDITIONAL 1.5 MM THICKNESS FOR 12" AND 15" CIPP			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-301	406	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 4.0 MM CIPP IN 4" to 6" Lateral (0' to 25'), (8" to 10" Main)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-400	13	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 4.0 MM CIPP IN 4" to 6" Lateral (0' to 25'), (12" to 15" Main)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-401	13	EACH		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 4.0 MM CIPP IN 4" to 6" (Beyond 25'), (8" to 10" Main)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-402	10	LF		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ INSERTION OF 4.0 MM CIPP IN 4" to 6" (Beyond 25'), (12" to 15" Main)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
PL-403	10	LF		

Wording for "DESCRIPTION" is to be provided by the Owner
All quantities are estimated. The contractor will be paid upon actual quantities as verified by Owner.

**SECTION 01 22 20
MEASUREMENT AND PAYMENT**

1.0 Description

- A. CONTRACTOR shall furnish all labor, materials, tools, equipment, appurtenances and all services necessary to perform all Work required, at the lump sum or unit prices for the items listed herein.
- B. The items listed below beginning with Section 4.0, refer to and are the same pay items listed on the Bid Form. These items constitute all of the pay items for the completion of the Contract. No direct or separate payment will be made for providing miscellaneous, temporary, or accessory works, plant, services, Contractor's field offices, layout surveys, job signs, sanitary requirements, testing, safety devices, approval and record drawings, water supplies, power, removal of waste, watchmen, taxes, and all other requirements of the Contract Documents unless specifically covered by a pay item. Compensation for all such services, things and materials shall be included in the prices stipulated for the lump sum and unit pay items listed herein.

2.0 Engineer's Estimate of Quantities

- A. The Engineer's estimated quantities for unit bid prices, as listed in the Bid Form, are approximate only and are included solely for the purpose of comparison of Bids. The Owner does not expressly or by implication agree that the nature of the materials encountered below the surface of the ground or the actual quantities of material encountered or required will correspond therewith and reserves the right to increase or decrease any quantity or to eliminate any quantity as Owner may deem necessary.

3.0 Related Provisions Specified Elsewhere

- A. Payments to CONTRACTOR: Refer to General Conditions Article 14.
- B. Changes in Contract Price: General Conditions, Article 11 and Contract Forms.

4.0 Pay Items

- 1. Temporary Traffic Control. (Item NS-200)
 - a. Description and Measurement: This work consists of planning, furnishing, installing, maintaining, and removing temporary construction barricades and signs; providing flaggers; and complying with all other requirements regarding the protection of the work, workers and safety of the public. This work also includes traffic control in compliance with the Manual on Uniform Traffic Control Devices (MUTCD), including the installation, inspection, maintenance, and removal of all traffic control devices on the project. Signs, barricades, barriers, channelizing devices, pavement markings, etc., shall comply with LADOTD standard details and the MUTCD; all as required for the proper performance and completion of the Work. Measurement for payment for Temporary Traffic Control shall be based on a per each basis per each Task Order as approved by the Owner or Project Manager.
 - b. Payment: Temporary Traffic Control shall be paid in accordance with the requirements of the specifications shall be made at the unit price bid per each.

2. Mobilization (Items PR-100 and PL-100)

- a. Measurement: Measurement for payment for mobilization and demobilization will be on a lump-sum basis as specified herein.
- b. Payment: Payment for Mobilization and Demobilization shall cover all preparatory work, obtaining all permits, insurance and bonds, movement of personnel, equipment, supplies and incidentals to the project site, preconstruction photographs and videos, the establishment of temporary offices, furnishing and installing temporary signage, and other construction facilities necessary for work on this project. It shall include removal of all personnel, equipment, supplies and incidentals from the project site, removal of temporary offices and other construction facilities necessary for work on this project, all as required for the proper performance and completion of the work. Payment will be made at the contract lump sum price, subject to the following provisions:

Partial payments for mobilization and demobilization will be made in accordance with the following schedule up to a maximum of 5 percent of the total contract amount (including this item), and payment of any remaining amount will be made upon completion of all work under the contract.

<u>Percent of Total Contract Amount Earned</u>	<u>Allowable Percent of the Lump Sum Price for the Item</u>
1 st Partial Estimate	25%
10%	50%
25%	75%
50%	100%

No price adjustments will be made for this item due to changes in the work.

3. Removal of Asphaltic Concrete Pavement (Full Depth). (Item PR-101)

- a. Description and Measurement: Removal of Asphaltic Concrete Pavement (Full Depth), designated for removal, shall be disposed of in accordance with project specifications, applicable regulations, and as directed. Unless otherwise noted, maintenance aggregate, removal of base materials under pavements shall be removed with the pavement at no additional pay.
- b. Payment: Removal of Asphaltic Concrete Pavement (Full Depth), will be paid for at the per Square Yard price indicated in the Bid Form.

4. Removal of Concrete Walks and Drives.(Item PR-102)

- a. Description and Measurement: Item PR-102 includes necessary excavation, lifting, hauling, disposal, and for all materials, equipment, tools, labor, and incidentals

necessary to complete the work. Removal of Concrete Walks and Drives will be measured by the Square Yard removed and accepted.

- b. Payment: Removal of Concrete Walks and Drives will be paid for at the per Square Yard price indicated in the Bid Form.
5. Asphaltic Pavement Patching (12" Minimum Thickness). (Item PR-103)
 - a. Description and Measurement: Asphaltic concrete shall be used for patching areas removed for sewer repair operations. The patching shall include 12" of asphaltic concrete pavement and up to 8 inches of class II base material. This work consists of patching of existing asphaltic concrete pavements in accordance with these specifications and in conformity with the lines and grades as directed by project engineer. Patching of pavement will be measured by the square yard of existing pavement designated to be removed and replaced. Removal of existing surfacing and base course, tack coat, and required excavation will not be measured for payment.
 - b. Payment: Payment for pavement patching will be made at the contract unit prices per square yard.
 6. Temporary Asphaltic Patching (4" Minimum Thickness). (Item PR-104)
 - a. Description and Measurement: Asphaltic concrete shall be used for patching areas removed for sewer repair operations. The temporary patching shall consist of a minimum of 4" of asphaltic concrete pavement. This work consists of patching and maintaining of temporary asphaltic concrete patches in accordance with these specifications and in conformity with the lines and grades as directed by project engineer until the permanent repair can be made. Temporary patching of pavement will be measured by the square yard of existing pavement designated to be removed and replaced. Removal of existing surfacing and base course, tack coat, and required excavation will not be measured for payment.
 - b. Payment: Payment for temporary asphaltic patching will be made at the contract unit prices per square yard.
 7. Concrete Drive (6" Thick with WWF Reinforcement). (Item PR-105)
 - a. Description and Measurement: Item PR-105 includes grading in advance of concrete driveway placement as required, sub grade compaction, furnishing, installing, shaping, finishing, and curing concrete, reinforcement steel, joints and joint material, and for all other materials, equipment, tools, labor, and incidentals necessary to complete the work. Concrete Drive will be measured by the Square Yard installed and accepted.
 - b. Payment: Item PR-105 Concrete Drive (6" Thick with WWF Reinforcement) will be paid for at the per Square Yards price indicated in the Bid Form.
 8. Saw Cutting Asphalt and/or Concrete Pavement (Full Depth). (Item PR-106)
 - a. Description and Measurement: Item PR-106 includes all materials, equipment, tools, labor, and incidentals necessary to complete the work. Saw cutting Asphalt and/or Concrete Pavement (Full Depth) will be measured in the field by the Engineer or his representative, by the Linear Foot. Additional length of saw cut required to achieve the depth specified due to blade curvature will not be measured for payment.
 - b. Payment: Sawcutting Asphalt and/or Concrete Pavement (Full Depth) will be paid for at the per Linear Foot indicated in the Bid Form.

9. Restore 8 inch - 12 inch Sewer Main by Point Repair. (Items PR-200, PR-201, PR-202, PR-203, PR-204, and PR-205)
 - a. Description and Measurement: Measurement for the work items listed below will be per each work item completed and accepted. This item shall include, but not be limited to, sheeting and shoring, repair of service line, removal, replacement of sewer features, and any other incidentals necessary to complete the various work items. All pipe excavation, fittings, adapters, concrete collar, bedding, backfill, removal and replacement of grass sodding required shall be considered incidental to service line repair and maintenance aggregate until a temporary asphalt patch is installed. If no pay item is included for any work required to properly complete a service line repair as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the service line repair.
 - b. Payment: Payment for main line point repair shall be made by the unit price bid per each repair for varying depths. Depth of repair is determined by averaging the invert elevation of the sewer line at the upstream and downstream manholes of the repair. The pay length of the per each repair shall be eight (8) feet. Any length exceeding eight (8) feet shall be paid under Items PR-201, PR-203 and PR-205.

10. Service Tees. (Items PR-400 and PR-402)
 - a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to install a service tee on a Sanitary Sewer line as specified herein Measurement for payment for service tee shall be per each service tee installed at a point repair.
 - b. Payment: Payment for installing service tees on sanitary sewer lines shall be made at the unit price bid per each installed for various pipe sizes without regard to pipe material.

11. Repair Manhole Connection. (Item PR-500)
 - a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to repair a manhole connection on a Sanitary Sewer line as specified herein Measurement for payment for service tee shall be per each service tee installed at a point repair.
 - b. Payment: Payment for repairing manhole connections on sanitary sewer lines shall be made at the unit price bid per each repair made for various pipe sizes without regard to pipe material. This payment shall be in addition to the cost of the point repair.

12. Provide and Setup Bypass Pump. (Items PR-501)
 - a. Description and Measurement: These items are in addition to the minimum by-pass pumping requirements of other bid items and will only be allowed upon prior approval of the Project Manager. Each set-up will be measured separately. Each "Set-Up" pay item shall include all costs associated with providing of the pumping equipment and up to 350 feet of discharge force main. If additional force main is required to reach the designated discharge point, this additional force main will be measured by the linear foot and be paid for at the appropriate pay item. For CIPP operations, there will be no direct payment for sewer bypass up to, and including the first 6 inch pump. If more than one 6 inch pump

or a larger pumps (s) is (are) required to adequately handle the flow, the Contractor will be paid at the bid unit prices for each size pump setup as approved by the Project Manager.

- b. Payment: Payment for set-up of the by-pass pumps will be at the unit price bid per each for each size required. The item will only be used for pumping beyond the minimum requirements of other bid items.

13. Operation of Bypass Pump.(Items PR-503)

- a. Description and Measurement: Separate measurement will be made for the operation of by-pass pumps. This item will only be allowed upon prior approval of the Project Manager. The operation of the pumps will be measured on the actual hourly time used. If more than one 6 inch pump or a larger pumps (s) is (are) required to adequately handle the flow, the Contractor will be paid at the bid unit prices at the hourly operating rate per unit bid price as approved by the Project Manager.
- b. Payment: Payment for operation of each size pump shall be at the hourly unit bid prices.

14. Remove Unsuitable Material and Replace with Select Granular Material. (Item PR-504)

- a. Measurement: Measurement for removal of unsuitable soil and replacement with select granular backfill where directed and approved by the Engineer will be by in-place field measurement per cubic yard of material delivered and placed.
- b. Payment: The total cubic yardage of granular backfill, as determined above, will be paid for at the unit price bid, and this price and payment will constitute complete compensation for excavation of the unsuitable material and hauling the material off-site, for furnishing, hauling, placement, and compaction of granular backfill at locations approved and directed by the Engineer, and for furnishing all equipment and labor required to complete the item in accordance with the plans and specifications. No separate measurement or payment will be made for granular backfill used for backfilling pipe trenches or backfilling around lift stations or manholes. Delivery tickets must be submitted with the monthly invoice in order to be considered for payment.

15. Remove and Replace 6" Sewer Lateral. (PR-507)

- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to remove and replace a 6" sewer lateral as specified herein Measurement for payment for 6" sewer lateral shall be per each service lateral installed. All pipe fittings, adapters, bedding, sewer cleanout at property line and removal and replacement of grass sodding required shall be considered incidental to lateral replacement. If no pay item is included for any work required to properly complete a lateral replacement as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the service line repair.
- b. Payment: Payment for lateral replacement shall be made at the unit price bid per each installed. No separate measurement or payment will be made for granular backfill used for backfilling pipe trenches or cleanouts installed at the property line.

16. Dewatering. (Item PR-508)

- a. Description and Measurement: This item is in to cover dewatering requirements of other bid items and shall only be allowed upon prior approval of the Project Manager. Each set-

up will be measured separately. Each "Set-Up" pay item shall include all costs associated with providing of the pumping equipment and/or well pointing equipment if required.

- b. Payment: Payment for dewatering will be at the unit price bid per each for each. The item will only be allowed upon prior approval of the Project Manager.

17. Install Sewer Cleanout on Existing Lateral. (Item PR-509)

- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to install a 6" sewer cleanout on an existing lateral as specified herein. Measurement for payment for sewer cleanout shall be per unit installed. All pipe fittings, adapters, bedding, and removal and replacement of grass sodding required shall be considered incidental to cleanout installation. If no pay item is included for any work required to properly install a cleanout as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the service line repair.
- b. Payment: Payment for cleanout installation shall be made at the unit price bid per each installed. No separate measurement or payment will be made for granular backfill used for backfilling pipe trenches or cleanouts installed at the property line. This item is not to be included separately in item PR-507.

18. Install Sewer Cleanout Box in Sidewalk. (Item PR-510)

- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to install a sewer cleanout in sidewalk where required. Measurement for payment for sewer cleanout box shall be per unit installed. If no pay item is included for any work required to properly install a cleanout box as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the installation.
- b. Payment: Payment for cleanout box installation shall be made at the unit price bid per each installed. This is a stand-alone item and is not considered part of PR-507 Or PR-509.

19. Install Sanitary Sewer Manhole (0'-8' Deep). (Item PR-511)

- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to install a sanitary sewer manhole where required. Measurement for payment for sanitary sewer manhole shall be per unit installed. If no pay item is included for any work required to properly install a sanitary sewer manhole as specified, the cost to perform said work, including any required removal and replacement of materials, shall be considered incidental to the installation.
- b. Payment: Payment for sanitary sewer manhole installation shall be made at the unit price bid per each installed.

20. Clean Sanitary Sewer. (Items TV-200 and TV-201)

- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to complete Cleaning of Sanitary Sewer as specified herein and shall include all costs associated with debris removal and disposal. Debris removal and disposal shall be performed in accordance with all local, state and federal regulations. Measurement for payment for cleaning sanitary sewer pipe and associated manholes shall be per linear foot with measurement being made between centerlines of consecutive manholes for the line segments and manholes cleaned.

- b. Payment: Payment for cleaning sanitary sewer lines, storm drains and associated manholes shall be made at the unit price bid per linear foot for various pipe sizes and debris level, without regard to pipe type.
21. Root Removal.(Item TV-300)
- a. Description and Measurement: Measurement for payment for root removal from sanitary or storm sewers will be made per linear foot. The Project Manager or designated representative will determine the length of the sections in which the roots shall be required to be removed.
 - b. Payment: Payment for root removal will be made at the unit prices bid per linear foot for the various sizes of pipe and shall constitute full compensation for all labor, materials, and equipment necessary to complete this item as specified herein.
22. Video Inspection/Radial View Camera. (Items TV-400 and TV-401)
- a. Description and Measurement: Measurement for payment for radial view color camera evaluation video will be made per linear foot with measurement being made between centerlines of consecutive structures for the line segments televised. The use of a radial view color camera will be specifically directed by the Project Manager.
 - b. Payment: Payment for radial view color camera evaluation video will be made at the unit price bid per linear foot at various pipe sizes indicated on bid form and shall constitute full compensation for all labor, materials and equipment necessary to complete the item as specified.
23. Reverse Setup for 8" thru 15" Pipe.(Item TV-402)
- a. Description and Measurement: Measurement for payment for root removal from sanitary or storm sewers will be made per linear foot. The Project Manager or designated representative will determine the length of the sections in which the roots shall be required to be removed.
 - b. Payment: Payment for root removal will be made at the unit prices bid per linear foot for the various sizes of pipe and shall constitute full compensation for all labor, materials, and equipment necessary to complete this item as specified herein.
24. Clean 4" to 6" Sanitary Sewer Lateral. (Item TV-403)
- a. Description and Measurement: Item shall include all labor, materials, and equipment necessary to complete Cleaning of 4' to 6" sanitary sewer laterals as specified herein and shall include all costs associated with debris removal and disposal. Debris removal and disposal shall be performed in accordance with all local, state and federal regulations. Measurement for payment for cleaning 4" to 6" sanitary sewer laterals shall be per each lateral cleaned.
 - b. Payment: Payment for cleaning 4" to 6" sanitary sewer laterals, shall be made at the unit price bid per each for various pipe sizes and debris level, without regard to pipe type.
25. Video Inspection/Radial View Camera 4" to 6" Lateral. (Item TV-404)
- a. Description and Measurement: Measurement for payment for radial view color camera evaluation video will be made per lateral inspected. The use of a radial view color camera will be specifically directed by the Project Manager.
 - b. Payment: Payment for radial view color camera evaluation video will be made at the unit price bid per each inspection regardless of pipe sizes and shall constitute full

compensation for all labor, materials and equipment necessary to complete the item as specified.

26. Items PL-200, and PL-202 - Insertion of 6.0 mm CIPP:

- a. Description and Measurement: Measurement for payment for installation of CIPP will be made per linear foot for various pipe sizes as measured between centerlines of consecutive structures for the line segment lined.
- b. Payment: Payment for CIPP insertion will be made at the unit price bid per linear foot for the sizes and thickness of CIPP installed in accordance with these specifications. Payment for installation of CIPP shall be for pre-inversion cleaning, pre and post inversion television inspection, wet out of liner, curing of liner, cutting ends, sealing CIPP in manholes, testing and cleanup and in accordance with the bid unit prices for the various pipe sizes. There shall be no direct payment for pre-television inspection of sewer mainline prior to lining, cost shall be incidental to work. Initial pipe cleaning and inspection shall be performed to determine the suitability of the pipe for rehabilitation. Pre-television inspection is that performed immediately prior to the CIPP installation to assure the existing pipe is clean and ready for installation.

27. Additional 1.5 mm CIPP Thickness. (Item PL-301)

- a. Description and Measurement: Measurement for payment for installation of additional thickness of CIPP will be made per linear foot as measured between centerlines of consecutive structures for the line segment lined with additional thickness.
- b. Payment: Payment for additional thickness of CIPP will be made at the unit prices bid per linear foot for the sizes and additional thicknesses of CIPP installed in accordance with these specifications. Payment for pre-inversion cleaning, pre and post inversion television inspection, wet out of liner, insertion of liner, curing manholes or wet-well, testing, cleanup and bypass pumping shall be paid for under separate bid items. Payment for this item will only be made if the additional thickness is approved by the Project Engineer, prior to insertion.

28. Insertion of 6.0 mm CIPP in 4" to 6" Lateral (0 to 25'). (Items PL-400 and 401)

- a. Description and Measurement: Measurement for payment for installation of CIPP will be made per each lateral lined for various pipe sizes as measured between the mainline tap and the cleanout at the property line up to 25' for the line segment lined.
- b. Payment: Payment for CIPP insertion will be made at the unit price bid per each lateral lined for the sizes and thickness of CIPP installed in accordance with these specifications. Payment for installation of CIPP shall be for pre-inversion cleaning, pre and post inversion television inspection, wet out of liner, curing of liner, cutting ends, sealing CIPP at taps, testing and cleanup and in accordance with the bid unit prices for the various lateral sizes. There shall be no direct payment for pre-television inspection of sewer mainline prior to lining, cost shall be incidental to work. Initial pipe cleaning and inspection shall be performed to determine the suitability of the pipe for rehabilitation. Pre-television inspection is that performed immediately prior to the CIPP installation to assure the existing pipe is clean and ready for installation.

29. Insertion of 6.0 mm CIPP in 4" to 6" Lateral (Beyond 25'). (Items PL-402 and 403)

- a. Description and Measurement: Measurement for payment for installation of CIPP will be made per linear foot beyond the initial 25' of lateral lined for various pipe sizes as referenced in PL -400 and PI-401.

- b. Payment: Payment for CIPP insertion will be made at the unit price bid per each linear foot lined beyond the initial 25' lined as referenced in PL-400 and PI-401

END OF SECTION

SECTION 01 11 00
SUMMARY OF WORK

1. WORK COVERED BY CONTRACT DOCUMENTS/REQUIREMENTS INCLUDE:
 - A. Scope of contract work: The purpose of this contract is to provide means to perform maintenance and repair of existing sewer lines and incidental sewer in various areas of the City of Covington. Actual quantities used may fall below or exceed the estimated quantities listed on the bid form. It is intended to issue Task Orders based on needs and budget to perform repairs at various locations throughout the City of Covington. A scope of work is attached to the end of this section of the Specifications.
 - B. Familiarization with the work: Before submitting bid, each prospective bidder shall be familiar with the type of work, local labor conditions and all laws, regulations, and other factors affecting performance of the work. Bidder shall carefully correlate Bidder's observations with the requirements of the contract documents and otherwise be satisfied of the expense and difficulties for performance of the work. The submission of a bid will constitute a representation of compliance by the bidder. There will be no subsequent financial adjustment for lack of such familiarization.
 - C. Contract includes the furnishing of all labor, equipment, and materials necessary for the construction of the project as shown on the drawings, in each Task Order, and as specified herein.
 - D. The Contractor shall furnish all labor, materials, equipment, tools, services, and incidentals to complete all work required by these Specifications and as shown on the Drawings.
 - E. The Contractor shall perform the work complete and shall include repairs, replacements, and restoration required as a result of damages caused during this construction.
 - F. Furnish and install all materials, equipment, and labor which is reasonably and properly inferable and necessary for the proper completion of the work, whether specifically indicated in the Contract Documents or not.
 - G. When not otherwise specified herein, all work and materials shall conform to the requirements of the Louisiana Department of Transportation and Development (LADOTD) 2016 Edition of the Louisiana Standard Specifications for Roads and Bridges and any revisions.

2. CONTRACTOR'S DUTIES:

- A. Prior to Notice to Proceed for each Task Order, Contractor shall verify all field and job conditions. Visit and examine the job sites, and with all authorities concerned in order to become familiar with all existing conditions pertinent to the work to be performed thereon. No additional compensation will be allowed for failure to be so informed.
- B. Check all specifications and all drawings and bring to attention any conflicts or variations as shown or noted.
- C. For any points which are not clear, or from items and/or details which the Contractor feels are in need of clarification, consult the Engineer before submission of a proposal.
- D. If the Contractor should fail to complete issued Task Orders in a timely manner and to the satisfaction of the City the issuance of additional Task Orders will be withheld. If Contractor continually fails to perform work to the satisfaction of the City, then the City reserves the right to terminate contract and to re-advertise and re-bid this contract.
- E. In case of discrepancies and/or ambiguities in the drawings and/or in the specifications, the Engineer shall be consulted prior to submission of a proposal. Failure to do so on the part of the successful bidder shall be construed as explicit agreement on his part to abide by Engineer's decision in such matters.
- F. Except as specifically noted, provide and pay for:
 - 1. Labor, materials and equipment
 - 2. Tools, construction equipment and machinery.
 - 3. Temporary facilities required for construction.
 - 4. Other facilities and services necessary for proper execution and completion of work.
 - 5. Pay legally required sales, consumer, and use taxes.
- G. Secure and pay for, as necessary for proper execution and completion of Work, and as applicable at time of receipt of bids:
 - 1. Permits.
 - 2. Government Fees.
 - 3. Licenses.
- H. Give required notices.
- I. Comply with codes, ordinances, rules, regulations, and other legal requirements of public authorities that bear on performance of Work.
- J. Promptly submit written notice to Engineer of observed variance of Contract Documents from legal requirements.

1. Appropriate Modifications to Contract Documents will adjust necessary changes.
 - K. Enforce strict discipline and good order among employees. Do not employ on Work:
 1. Unfit persons.
 2. Persons not skilled in assigned task.
 - L. Contractor use of Premises:
 1. Confine operations at site to areas permitted by:
 - a. Law
 - b. Ordinance
 - c. Permits
 - d. Contract Documents
 - e. Design Professional
 - f. Owner
 - M. Do not unreasonably encumber site with materials or equipment.
 - N. Do not load structures with weight that will endanger structures.
 - O. Assume full responsibility for protection and safekeeping of products stored on premises.
 - P. Move any stored products that interfere with operations of Owner, other Contractors, and/or Residents.
3. WORK SEQUENCE:
- A. All work to be done under this Contract shall be done with minimum inconvenience to the private property owners adjacent to this project.
 - B. Construct Work in stages to accommodate the Owner's and Resident's use of the premises during the construction period; coordinate the construction schedule and operations with the Owner's Representative.
 - C. Construct the Work in stages to provide for public convenience.
 - D. Assume full responsibility for the protection and safekeeping of Products under this Contract, stored on the site.
 - E. Move any stored products, under Contractor's control, which interfere with operations of the Owner or separate contractor.

- F. Obtain and pay for the use of additional storage or work areas needed for operations.

4. SCOPE OF WORK:

Contractor to verify locations of lateral inspections, lateral repairs, point repairs and lengths of pipe segments to be lined prior to commencing work. Locations and lengths shall be determined by inspection reports provided by the City for this project. Any streets damaged due to failure of the Contractor to properly locate the point repair shall be repaired at no additional cost to the Owner. Scope of work is based on "Area of Interest (1)" on the map titled "City of Covington, 2019 Sewer Repairs" in Appendix A. Also included in Appendix B, are the pipe reports for the project area. Information for "Areas of Interest 2 and 3" has been included in the plan book and will be added to the project if funding will allow.

Area of Interest 1

A. Mainline Lee-003_W.Lee-003 8" VCP pipe. (Boston St., Lee to Florida)

Install CO, inspect and line laterals at 63.8' (735 E. Boston), 173.8 and 184.2, from Lee-003.

Point repair (defective tap), inspect lateral and line lateral at 99.7' from Lee-003.

Point repair (collapsed lateral), replace lateral to P/L at 262.9' from Lee-003.

Point repair (defective tap), replace lateral to P/L at 318.0' from Lee-003.

Point repair (defective tap), replace lateral to P/L at 320.4' from Lee-003. (708 Boston)

Point repair (install manhole), end of line at 351.7' from Lee-003.

Line Lateral at 99.7' from MH Lee-003

Line Mainline, 351.7 lf.

Smoke Test at completion

B. Mainline Bos-006_Bos-005 8" VCP pipe. (Boston St., Florida to Columbia)

This line is a dead end and will need a and may be called Bos-005 or W.Bos-006

Install CO, inspect and line laterals at 289.7', 292.1" from Bos-006.

Point repair (defective tap), replace lateral to P/L at 90.3' from Bos-006.

Point repair (defective tap), replace lateral to P/L at 276.0' from Bos-006.

Point repair (defective tap), replace lateral to P/L at 286.6' from Bos-006. 614 E. Boston

Line Lateral at 292.1' from Bos-006, 611 E. Boston

Point repair (defective tap), replace lateral to P/L at 297.3' from Bos-006.

Point repair (install manhole), end of line at 332.1' from Bos-006.

Line Mainline, 332.1 lf.

Smoke Test at completion

C. Mainline Bos-004_Bos-003 8" VCP pipe. (Boston St., Columbia to Court House Alley)

Point repair (broken pipe), at 39.8', from Bos-004.

Point repair (defective tap), replace lateral to P/L at 50.1', from Bos-004.

Point repair (defective tap), replace lateral to P/L at 104.6', from Bos-004.
Clean and Inspect Mainline from 104.6 from Bos-004 to Bos-003 ($\pm 31'$)
Line Mainline, 135.5 lf.
Smoke Test at completion

D. Mainline Bos-003_Bos-002 8" VCP pipe. (Boston St., Court House Ally to New Hampshire)

Point repair (obstruction), at 30.1', from Bos-002.
Clean and Inspect Mainline from 30.1 from Bos-002 to Bos-003 ($\pm 155.5'$)
Line Mainline, 185.6 lf.
Smoke Test at completion

E. Mainline W.Bos-002_Bos-002 8" VCP pipe. (Boston St., N. Vermont to New Hampshire)

Point repair (Tap and Lateral Replacement), at 14.5', from Bos-002.
Point repair (Tap and Lateral Replacement), at 122.1', from Bos-002.
Point repair (Lateral Replacement), at 147.4', from Bos-002.
Point repair (Lateral Replacement), at 170.4', from Bos-002.
Clean and Inspect Mainline from 170.4 Bos-002 to W. Bos-002 ($\pm 204.1'$)
Line Mainline, 378 lf.
Smoke Test at completion

F. Mainline E.Nve-002_Nve-002 8" VCP pipe. (Boston St., N. Vermont to N. Massachusetts)

Point repair (Tap and Lateral Replacement), at 183.7', from Nve-002.
Point repair (Lateral Replacement), at 207.2', from Nve-002.
Line Lateral at 298.7' from MH Nve-002
Line Mainline, 301.3 lf.
Smoke Test at completion

G. Mainline CHA-001_Bos-003 6" VCP pipe. (Boston St., N. Vermont to N. Massachusetts)

Point repair (Manhole connection), at 1.5', from CHA-001.
Clean and Inspect Mainline from 104.6 from CHA-001 to Bos-003 ($\pm 203.6'$)
Line Mainline, 203.6 lf.
Smoke Test at completion

H. Mainline Rut-005_Lee-002 8" VCP pipe. (Lee Ln., Rutland to Walker Hills)

Point repair (Manhole connection), at 0.3', from Rut-005.
Point repair (Mainline), at 22.8', from Rut-005.
Point repair (Tap and Lateral Replacement), at 80.6', from Rut-005.
Point repair (Tap and Lateral Replacement), at 148.7', from Rut-005.
Point repair (Tap and Lateral Replacement), at 223.8', from Rut-005.
Point repair (Tap and Lateral Replacement), at 259.1', from Rut-005.
Point repair (Tap and Lateral Replacement), at 261.6', from Rut-005.
Line Mainline, 264.5 lf.

Smoke Test at completion

I. Mainline Lee-002_Lee-003 8" VCP pipe. (Lee Ln., Boston to Walker Hills)

Point repair (Tap and Lateral Replacement), at 25.7', from Lee-002 (227 Lee Ln.).

Point repair (Mainline), at 26.1' to 33', from Lee-002.

Clean and Inspect Lateral from 46.4 from Lee-002

Line Lateral from 46.4 from Lee-002

Line Mainline, 146.6 lf.

Smoke Test at completion

J. Mainline Bos-006_Rut-004 12" lined pipe. (Florida., Boston to Rutland)

Point repair (Tap and Lateral Replacement), at 75.2', from Rut-004 (734 Rutland).

Liner (Lateral), at 200.3', from Rut-004 (219 N. Florida).

Point repair (Tap and Lateral Replacement), at 204.1', from Rut-004.

Liner (Lateral), at 317.5', from Rut-004 (627 Boston).

Point repair (Tap and Lateral Replacement), at 319.9', from Rut-004.

Point repair (Tap and Lateral Replacement), at 322.8', from Rut-004.

Smoke Test at completion

K. Mainline Col-001_Rut-002 8" lined pipe. (Columbia, Boston to Rutland)

Point repair (Tap and Lateral Replacement), at 111.8', from Rut-002.

Point repair (Tap), at 155.3', from Rut-002.

Point repair (Tap and Lateral Replacement), at 198.1', from Rut-002.

Point repair (Tap and Lateral Replacement), at 203.8', from Rut-002.

Line Lateral (26.9')), at 263.7', from Rut-002.

Liner (Lateral), at 267.7', from Rut-002 (222 Columbia).

Smoke Test at completion

L. Mainline Bos-002_Rut-001 12" lined pipe. (New Hampshire, Boston to Rutland)

Point repair (Tap and Lateral Replacement), at 116.6', from Rut-001.

Clean and Inspect Lateral from 122.7 from Rut-001

Line Lateral from 122.7 from Rut-001

Point repair (Tap and Lateral Replacement), at 184.4', from Rut-001.

Point repair (Tap and Lateral Replacement), at 232.4', from Rut-001.

Line Lateral from 265.0 from Rut-001 (208 N. New Hampshire).

Point repair (Tap and Lateral Replacement), at 270.7', from Rut-001.

Clean and Inspect Lateral from 320.7 from Rut-001

Line Lateral from 320.7 from Rut-001

Smoke Test at completion.

M. Mainline Rut-005_Rut-004 12" lined pipe. (Rutland, Lee Ln. to Florida).

Line Mainline, 325.1 lf.

Smoke Test at completion

N. Mainline Rut-004_Rut-002 12" lined pipe. (Rutland, Columbia to N. Florida). All deeper than 9', pipe previously lined. (Called out as Rut-004_Rut-003 in report)

Point repair (Lateral Replacement), at 122.3'R, from Rut-004.

Point repair (Lateral Replacement), at 151.1'L, from Rut-004.

Clean and Inspect Lateral from 227.0 from Rut-004

Line Lateral from 227.0 from Rut-004

Clean and Inspect Lateral from 242.6 from Rut-004

Line Lateral from 242.6 from Rut-004

Point repair (Lateral Replacement), at 381.3'L, from Rut-004.

Smoke Test at completion

O. Mainline Rut-002_Rut-001 12" VCP. (Rutland, Columbia to N. New Hampshire). All deeper than 9'.

Clean, inspect, and Line approximately 406' of 12" mainline with additional 1.5 mm liner, Clean, inspect and line laterals, assuming 6 laterals.

Area of Interest 2

T. Mainline W-Gib-001A_Gib-001A 8" VCP pipe. (Gibson, N. Vermont towards N. Theard.). Shallower than 9'

Point repair (Install Cleanout on lateral), 56.7' from Gib-001A

Clean and Inspect Lateral from 56.7 from Gib-001A

Line Lateral from 56.7 from Gib-001A

Point repair (Tap and Lateral Replacement), 75.0' from Gib-001A

Point repair (Replace lateral), 90.4' from Gib-001A

Point repair (Defective tap, end of line, install man hole), 103.2' from Gib-001A

Line Mainline, 103.2 lf.

Smoke Test at completion

U. Mainline Gib-001A_NVE-003 8" VCP pipe. (Gibson, N. Vermont towards N. Theard.). Shallower than 9'

Clean and Inspect Lateral from 112.9 from NVE-003

Line Lateral from 112.9 from NVE-003

Point repair (Defective tap), 141.3' from NVE-003

Clean and Inspect Lateral from 141.3' from NVE-003

Line Lateral from 141.3' from NVE-003

Line Mainline, 192.7 lf.

Smoke Test at completion

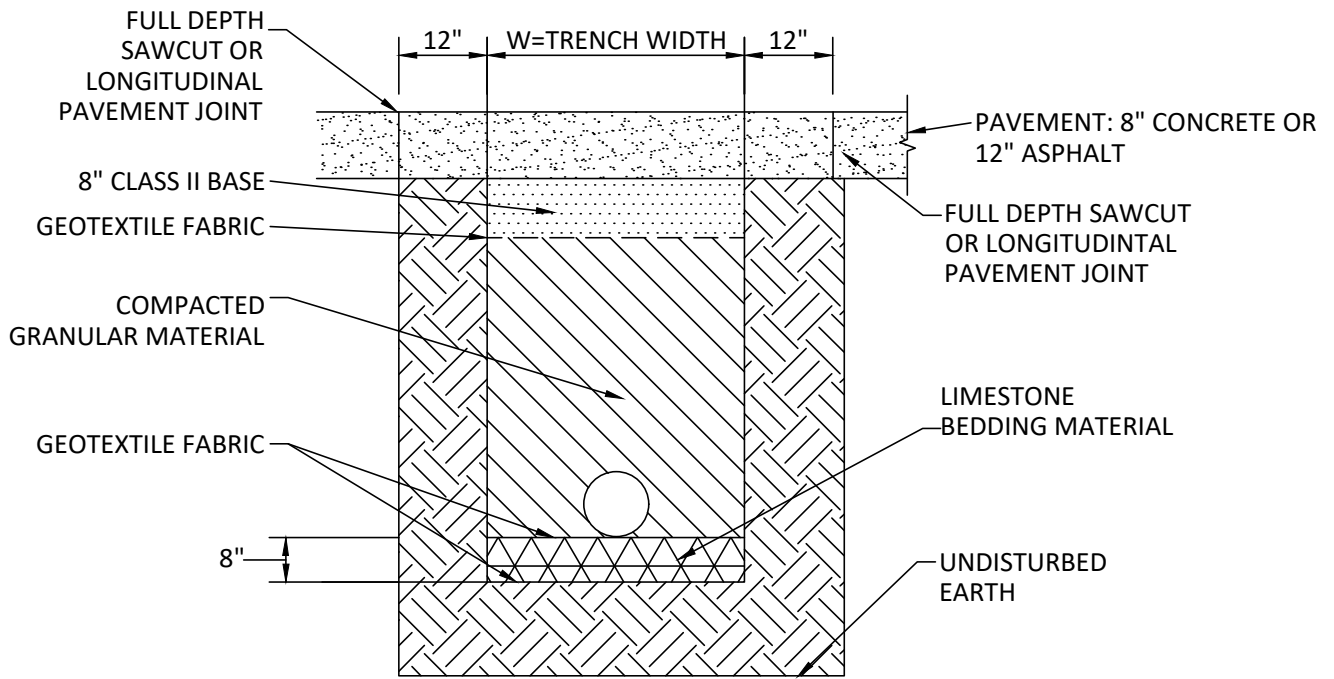
Area of Interest 3

V. Mainline FLA-002_FL A-002A. (Lockwood, Florida towards Lee).(No video available)

Clean and Inspect Mainline, 270' FLA-002 to FLA-002A.

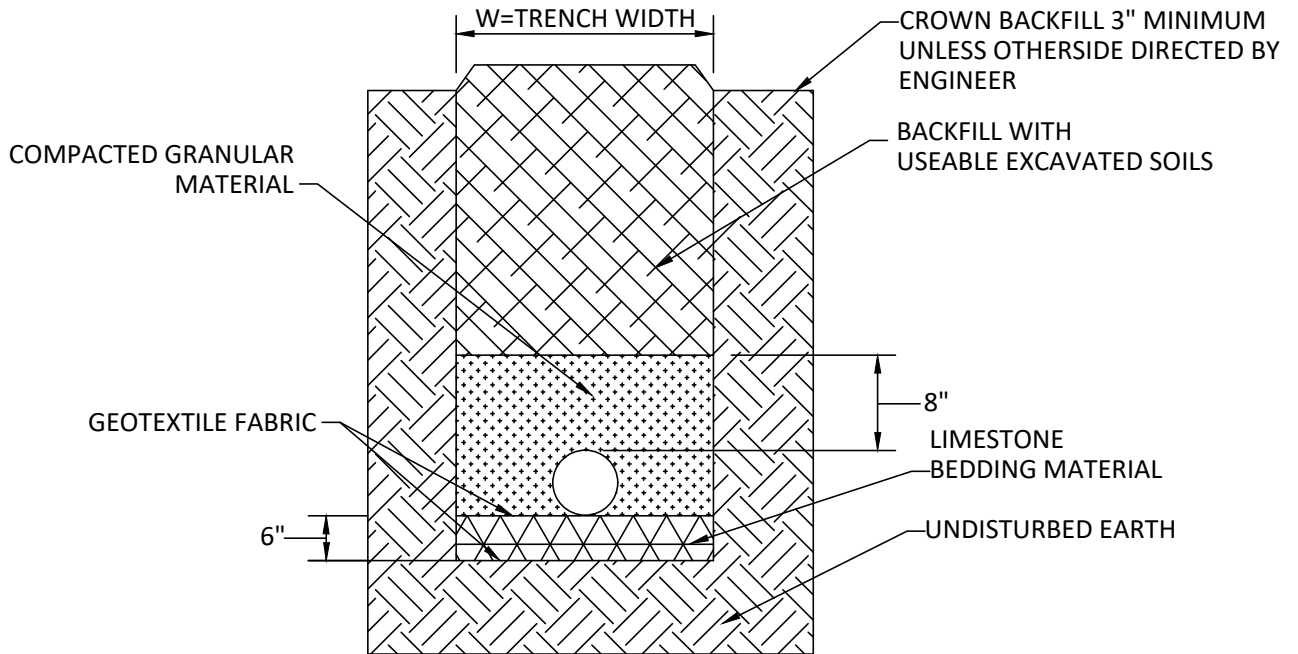
Locate, clean and Inspect 3 laterals
Line 3 Laterals
Line Mainline, 270 lf.
Smoke Test at completion

END OF SECTION



**PIPE FOUNDATION
UNDER PAVEMENT**

N.T.S.



**PIPE FOUNDATION
NATURAL GROUND**

N.T.S.

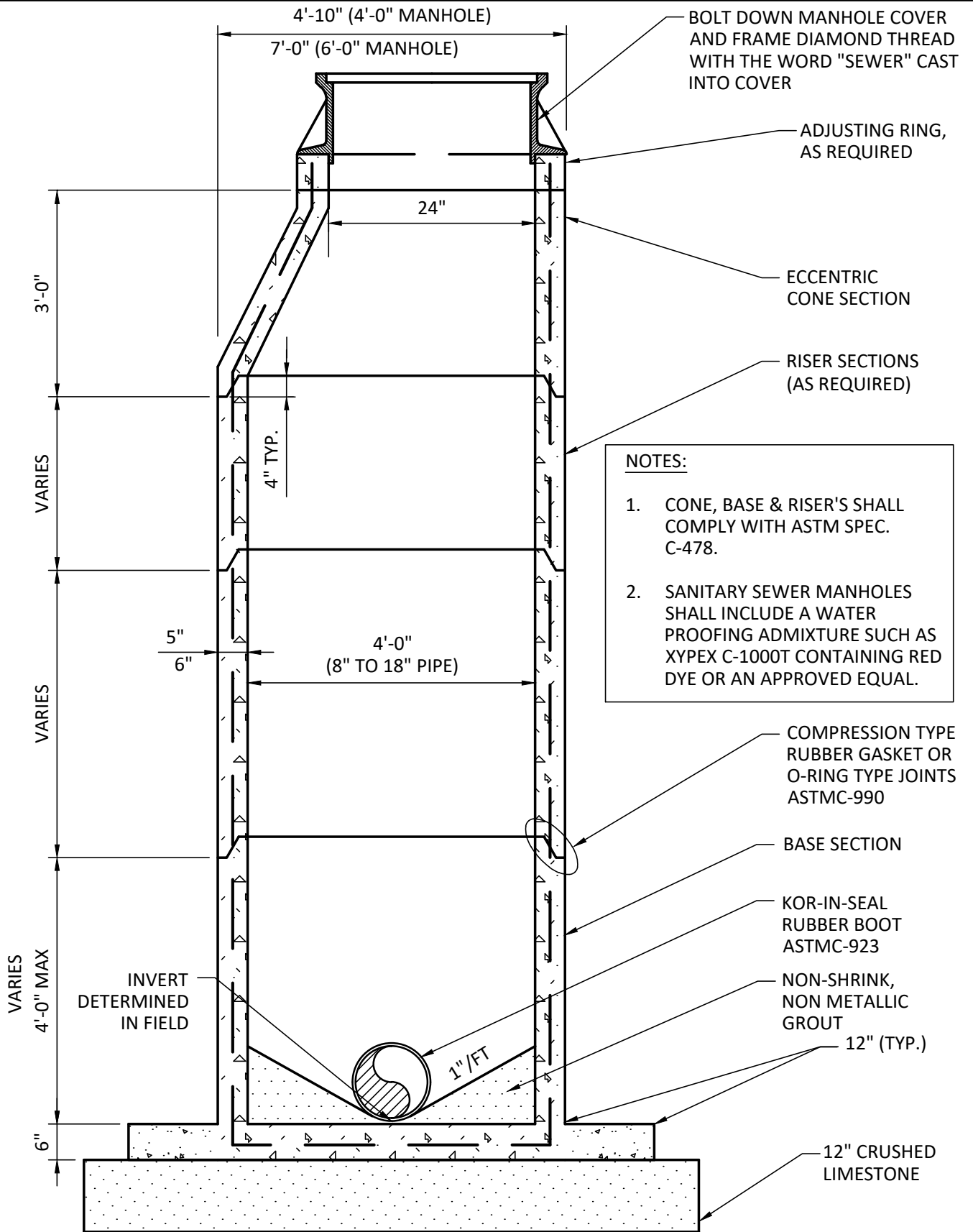
Kyle Associates, LLC
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638 Village Lane N. • Mandeville, LA 70471 • 985.727.9377

STAMP:

COVINGTON SSES
SEWER REPAIRS
COVINGTON, LOUISIANA
ST. TAMMANY PARISH

FOUNDATION DETAILS ADDENDUM 4

SCALE: N.T.S.	JOB NO. 19017
DESIGNED BY: -	DATE: 10/16/2019
DRAWN BY: -	SHEET NO. DT-4
CHECKED BY: -	



NOTES:

1. CONE, BASE & RISER'S SHALL COMPLY WITH ASTM SPEC. C-478.
2. SANITARY SEWER MANHOLES SHALL INCLUDE A WATER PROOFING ADMIXTURE SUCH AS XYPEX C-1000T CONTAINING RED DYE OR AN APPROVED EQUAL.

PRECAST SEWER MANHOLE

N.T.S.

Kyle Associates, LLC
 Planning, Engineering, and Landscape Architecture
 638 Village Lane N. • Mandeville, LA 70471 • 985.727.9377

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 SEWER REPAIRS
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 ST. TAMMANY PARISH

PRECAST SEWER MANHOLE ADDENDUM 4

SCALE: N.T.S.	JOB NO. 19017
DESIGNED BY: -	DATE: 10/16/2019
DRAWN BY: -	SHEET NO. DT-6
CHECKED BY: -	