



PUBLIC WORKS WATER POLLUTION CONTROL

ADMINISTRATION

50 MARKET STREET, KANSAS CITY, KANSAS 66118

(913) 573-1300

AMENDMENT NO. 1

UNIFIED GOVERNMENT OF WYANDOTTE COUNTY / KANSAS CITY, KANSAS ENGINEERING DIVISION, PUBLIC WORKS DEPARTMENT CSO 15 AND CSO 81 SEWER SEPARATION PROJECT I.D. P079 / ARPA PROJECT NUMBER 1079

July 8, 2024

Offerors on CSO 15 AND CSO 81 SEWER SEPARATION are hereby notified that the following amendments are made to the Project's Contract Documents. Proposals to be submitted on July 17, 2024, shall conform to these amendments. This amendment adds, changes, or clarifies the following:

AMENDMENTS TO THE CONTRACT SPECIFICATIONS:

1. LEGAL NOTICE OF INVITATION FOR BIDS:

A. Page 1: Replace the last sentence of the second paragraph with the following:

“At 9:00 a.m., in the 1st Floor Commission Chambers, the bids will be publicly opened and read aloud.”

2. INSTRUCTIONS AND INFORMATION TO BIDDERS:

A. Page 2: Add the following to the end of Section 10:

“Questions shall be submitted in writing to Teresa Houchins at thouchins@wycokck.org.”

3. BID:

A. Delete the Bid section in its entirety and replace with the Bid section, Revision 1, dated July 8, 2024, attached to this Amendment No. 1.

4. TECHNICAL SPECIFICATION SECTION 1100 – PROGRESS AND PAYMENT:

A. Remove Technical Specification Section 1100 in its entirety and replace with Section 1100, Revision 1, dated July 8, 2024, attached to this Amendment No. 1.

AMENDMENTS TO CONTRACT DRAWINGS:

1. DRAWING NO. G004 – GENERAL NOTES:

A. Water Line Notes:

1. Note 6: Replace Note 6 with the following:

“Contractor shall coordinate with BPU Water to remove and relocate existing fire hydrants called out to be removed and relocated. Contractor is not responsible for removing and relocating these existing fire hydrants; they will be removed and relocated by BPU Water.”



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2. **DRAWING NO. C106 – STORM SEWER PLAN AND PROFILE LINE 1 STA 20+00 TO EOL STA 22+90.26:**

- A. Notes: Add the following to the end of Note 1:
“Contractor shall provide manufacturer’s Operation and Maintenance Manual for stormwater pretreatment device to Owner. Contractor shall be responsible for operating and maintaining stormwater pretreatment device per manufacturer’s Operations and Maintenance Manual from installation through Final Completion.”

CLARIFICATIONS:

1. **PRE-BID CONFERENCE:**

- A. A copy of the Pre-Bid Conference Agenda and Sign-In Sheet is attached for reference.
- B. Bids are due July 17, 2024 at 8:45 am local time at the Office of the Unified Government Clerk.
- C. A subsurface information document has been posted to Drexel for bidders’ information only.
- D. Notice to proceed is anticipated in August 2024. Contractor may provide submittals for review prior to receipt of a signed agreement, but should not order materials without that executed agreement.
- E. Questions must be submitted in writing to Teresa Houchins at thouchins@wycokck.org. Refer to Section 13 of Instructions and Information to Bidders, revised per this Amendment No. 1.
- F. Amendments must be acknowledged on the Bid Form.
- G. A copy of the revised Bid Form is attached. The Bid Form was revised per this Amendment No. 1 delete Item C-11 Remove and Reinstall Fire Hydrant and renumber subsequent bid items accordingly. The bidder shall utilize the Bid Form attached to this Amendment No. 1 to submit a bid.
- H. A copy of the revised Technical Specification Section 1100 – Progress and Payment is attached. Technical Specification Section 1100 – Progress and Payment was revised per this Amendment No. 1 to delete Item C-11 Remove and Reinstall Fire Hydrant and reconcile the item numbers with the Bid Form.

There are no further changes to CSO 15 AND CSO 81 SEWER SEPARATION at this time.

Acknowledge receipt and acceptance of this Amendment No. 1 in the appropriate space provided on the BID form.

Attachments: Pre-Bid Conference Agenda
 Pre-Bid Conference Sign-In Sheet
 Bid Form, Revision 1
 Technical Specification Section 1100 – Progress and Payment, Revision 1



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Water Pollution Control P: (913) 573-1300
50 Market Street F: (913) 573-1351
Kansas City, KS 66118 E: info@wycokck.org

Meeting Subject: Pre-Bid Conference
Meeting Date: June 27, 2024
Start Time: 9:30 AM
Location: Kaw Point Treatment Complex
50 Market Street
207 Conference Room
Kansas City, Kansas

Project Name: Unified Government of Wyandotte County / Kansas City, Kansas
Water Pollution Control Division, Public Works Department
CSO 15 and CSO 81 Sewer Separation
Project I.D. P079 / ARPA Project Number 1079

Agenda:

1. General

- a. Owner and Engineer Representatives
 - i. UG Purchasing Department
 - ii. UG Water Pollution Control Division
 - iii. UG Engineering Division
 - iv. Burns & McDonnell
- b. Attendance Sheet
 - i. Attendance is mandatory to bid on project
- c. Bids Due: July 17th, 8:45 am local time
 - i. Bids due to UG Clerk at the Municipal Office Building, 3rd Floor, 701 N. 7th Street, KCK
 - ii. Bids will be opened at 9:00 am in the Commission Chambers, 1st Floor, 701 N. 7th Street, KCK
 - iii. Parking and security
 - iv. Questions must be submitted in writing to Teresa Houchins
thouchins@wycokck.org
 - v. Questions received less than 7 days prior to bid opening date may not be answered (July 10th, 5:00 pm)

2. Project Description

- a. Storm Sewer Construction
 - i. 3,420 LF of 15-inch through 36-inch storm sewer and appurtenances
- b. Sanitary Sewer Construction
 - i. 44 LF of 12-inch sanitary sewer and appurtenances
- c. Pavement Restoration
 - i. 6-inch Concrete trench patch, asphalt mill and overlay, 8-inch concrete pavement
- d. Miscellaneous construction
 - i. Stormwater Pretreatment Device
 - ii. New Storm Outfall at Jersey Creek
 - iii. Lot 29 – Owned by Wyandotte County Landbank
 - iv. Lots 30, 31, and 32 – Owned by Unified Government



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- v. Remove/replace concrete channel lining
- vi. Contractor Laydown in Glendale Avenue Median between Franklin Avenue & Garfield Avenue
- e. GIS Map
 - i. <https://gisweb.wycokck.org/portal/apps/webappviewer/index.html?id=7939b0b447d343b1ba33cf5fe528070a>

3. Special Project Requirements

- a. Project is ARPA Funded: Federal requirements found in Instructions and Information for Bidders
- b. Core4 Tax Clearance

4. Bidding and Contract Document Requirements

- a. Bid Form
 - i. All blank spaces must be filled in
 - ii. Acknowledge amendments and submit copy with Bid
 - iii. Unit price bid; selection based on grand total. Unit prices prevail.
 - iv. Progress and payment section describes what is included in each bid item
 - v. Construction allowances
 - vi. Force account allowance
- b. Bonds and Insurance
 - i. Successful Bidder will be required to furnish the following Surety Bonds (included): Performance Bond, Labor and Material Payment Bond, and Maintenance Bond
 - ii. Maintenance Bond – 3 years from final completion (25% of Contract Price)
 - iii. Insurance requirements are specified in the General Conditions
- c. Contract Completion: Federal Consent Decree project with firm deadline for Substantial Completion
 - i. Contract completion date: December 31, 2024 (Substantial)
April 30, 2025 (Final)
Liquidated damages: \$1,500.00/day for substantial completion, \$2,250.00/day for final completion
- d. Bid Submittal
 - i. Completed and signed Bid Form
 - ii. Bid Bond in an amount not less than 5% of Bidder's proposed Bid
 - iii. Affidavit of Intended Utilization
 - iv. Subcontractor Work limited to <50% of the Contract Price
 - v. Post-Bid Opening Submittal
 - 1. Core4 Tax Clearance forms
 - 2. Executed agreement
 - 3. Bonds
 - 4. Certificate of Insurance
 - 5. Appointment of Process Agent Form (if applicable)
 - 6. Foreign Corporation Resident Agent Designation Form (if applicable)



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- e. Permits
 - i. Contractor responsible for permits and permit fees
 - ii. UG permit fees waived
 - iii. Anticipated permits include:
 - 1. UG right-of-way use permit
 - 2. UG haul permit
 - 3. UG land disturbance permit
 - 4. UG street closure permit
 - 5. KDHE land disturbance permit
- f. Miscellaneous
 - i. Substitute or “or-equal” items will not be evaluated during the bid period; consideration for acceptance will only be given after the Effective Date of the Agreement
 - ii. Differing physical site conditions
 - 1. Change order as necessary
 - iii. Working Hours: 7:00 am – 7:00 pm
 - iv. Working Days: No work on Saturdays, Sundays or Unified Government holidays without written permission
 - v. Tax exemption certificate will be provided by UG
 - vi. Construction cost estimate is not available
 - vii. 5% retainage until 50% completion

5. Project Requirements

- a. Erosion Control
 - i. Have erosion control in place prior to or immediately after land disturbance or pavement removals.
 - ii. Install construction entrances at staging areas.
 - iii. Install concrete wash-outs as necessary
- b. Progress of Work
 - i. Get submittals in early due to supplier lead times.
 - ii. Remove pavement only as far ahead as necessary to maintain continuous prosecution of the work.
 - iii. Begin restoration activities as soon as possible after completion of a block of work.
- c. Restoration
 - i. Restore to conditions equal to or better than those existing prior to entry
- d. Property Owner Notification
 - i. Notify Property Owners in writing 48 hours prior to performing work on their property and coordinate with adjacent property owners.
 - ii. Notify adjacent businesses in writing 7 calendar days prior to performing work and maintain access to all businesses during working hours.



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e. Investigations

- i. Contractor responsible for contacting all utility companies for field location.
- ii. Perform potholing on existing utilities in advance of construction.
- iii. Contractor shall field inspect and verify existing conditions as necessary to perform the work.
- iv. Construction activity shall be restricted to street right-of-way, Unified Government-owned property, within temporary construction easements, and along other areas secured by Contractor by private agreement.
- v. If necessary to perform proposed Work, Contractor shall negotiate access agreements with property owners.
- vi. Pre-construction internal CCTV inspection shall be completed for all existing sanitary and storm sewer lines scheduled for replacement or abandonment.
- vii. Post-construction internal CCTV inspection shall be completed for all sanitary and storm sewer lines installed/rehabilitated/replaced.

6. Amendment Items

- a. Amendment No. 01
 - i. Prebid conference notes will be provided
 - ii. Fire Hydrant Relocations by BPU Water (not Contractor)
 - iii. Revise Legal Notice of Invitation for Bids to change location for reading of bids
- b. Address any other necessary clarifications

7. Questions and Comments

Pre-Bid Conference

Sign-In Sheet (June 27, 2024)

Unified Government of Wyandotte County / Kansas City, Kansas
 Engineering Division, Public Works Department
 CSO 15 and CSO 81 Sewer Separation
 Project I.D. P079 / ARPA Project Number 1079

NAME	COMPANY NAME	PHONE NO.	EMAIL ADDRESS
Justin Drescher	VF Anderson	816-935-9852	ufabuilders@yahoo.com
Dave Robison	ADS	913-702-4005	dave.robison@adspipe.com
KIRK ROLAND	UG.	913-573-1361	Kroland@wyco.kc.org
Teresa Harkins	UG	913-573-5244	tharkins@wyco.kc.org
Madison Gibler	Burns & McDonnell	(916)448-7500	m.gibler@burnsmcd.com
Josi Frigon	Burns & McDonnell	(816)914-1712	jafrigon@burnsmcd.com
KYLE TONJES	BURNS & McDONNELL	402-415-1175	kltonjes@burnsmcd.com
Tyrel Bales	Abay Construction	660-624-4467	Tyrelbales@gmail.com

UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS

B I D

To: The Unified Government of Wyandotte County/Kansas City, Kansas

Proposal of _____
(hereinafter called "Bidder") organized and existing under the laws of the State of

_____, doing business as _____

1. In compliance with the Invitation for Bids, the undersigned Bidder hereby proposes to furnish all material, tools, labor and equipment and to perform all Work necessary to construct and complete the Project known as:

Project Name: CSO 15 and CSO 81 Sewer Separation
Project ID: P079/ARPA 1079

in strict accordance with the Contract Documents, within the time set forth herein, and at the prices stated herein.

2. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies, as to his own organization, that:

- A. The price submitted is independently arrived at without collusion.
- B. The bidder has not knowingly influenced and promises that it will not knowingly influence a Unified Government employee or former Unified Government employee to breach any of the ethical standards set forth in Article 12 (Ethics in Public Contracting) of the Procurement Code.
- C. The Bidder has not violated, is not violating, and promises that it will not violate the prohibition against gratuities and kickbacks set forth in Sec. 29-635 of the Unified Government Code (Gratuities and Kickbacks).
- D. The Bidder represents that he has not retained and will not retain a person to solicit or secure a Unified Government contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies for the purpose of securing business.

3. Bidder hereby agrees the Work will be Substantially Completed on or before **December 31, 2024**, and completed and ready for final payment in accordance with the General Conditions

on or before **April 30, 2025**.

4. Bidder acknowledges receipt of the following Amendment(s):

5. Bidder agrees to furnish all materials, labor, tools, equipment and perform all the Work described in the Contract Documents for the following prices:

BASE BID

<u>Item No.</u>	<u>Description⁽¹⁾</u>	<u>Estimated Quantity⁽²⁾</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
A. MOBILIZATION					
A-1	Mobilization	1	LS	\$ _____	\$ _____
SUBTOTAL A:				\$ _____	

B. INTERNAL CCTV SEWER PIPE INSPECTION

B-1	Pre-Construction CCTV	1552	LF	\$ _____	\$ _____
B-2	Post-Construction CCTV, Sanitary, 8-inch through 15-inch	44	LF	\$ _____	\$ _____
B-3	Post-Construction CCTV, Storm, 15-inch and greater	3,420	LF	\$ _____	\$ _____
SUBTOTAL B:				\$ _____	

C. PAVEMENT AND MISCELLANEOUS REMOVAL AND RESTORATION

C-1	Remove Curb & Gutter	750	LF.	\$ _____	\$ _____
C-2	Remove Sidewalk	660	SF	\$ _____	\$ _____
C-3	Remove Sanitary Manhole	1	EA	\$ _____	\$ _____
C-4	Remove Inlet	8	EA	\$ _____	\$ _____

C-5	Remove Pavement	4620	SY.	\$ _____	\$ _____
C-6	Remove Existing Pipe, 18-inch diameter and smaller	60	LF	\$ _____	\$ _____
C-7	Abandon Pipe In-Place, Fill with Flowable Fill	50	CY	\$ _____	\$ _____
C-8	Abandon Manhole or Inlet, Fill with Flowable Fill	15	CY	\$ _____	\$ _____
C-9	Brace Street Lighting or Power Poles	4	EA	\$ _____	\$ _____
C-10	Remove and Reinstall Sign	5	EA	\$ _____	\$ _____
C-11	Remove and Replace Concrete Channel Lining, 5" Thick	490	SF	\$ _____	\$ _____
C-12	Construct Concrete Curb & Gutter	750	LF	\$ _____	\$ _____
C-13	Construct Concrete Sidewalk, 4-inch Thick	500	SF	\$ _____	\$ _____
C-14	Construct ADA Ramps	160	SF	\$ _____	\$ _____
C-15	Construct Concrete Driveway	400	SF	\$ _____	\$ _____
C-16	Construct Concrete Trench Patch – 6-inches thick	3,040	LF	\$ _____	\$ _____
C-17	Roadway Mill and Asphalt Overlay	4,620	SY	\$ _____	\$ _____
C-18	Clearing and Grubbing	1	LS	\$ _____	\$ _____
C-19	Sodding	10,422	SY	\$ _____	\$ _____
C-20	Relocate Water Service Line	5	EA	\$ _____	\$ _____

C-21	Remove and Reinstall Fence	100	LF	\$ _____	\$ _____
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SUBTOTAL C: \$ _____

D. STORM SEWER PIPE AND MANHOLE CONSTRUCTION

D-1	15-Inch Diameter Storm Sewer	234	LF	\$ _____	\$ _____
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D-2	18-Inch Diameter Storm Sewer	710	LF	\$ _____	\$ _____
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D-3	24-Inch Diameter Storm Sewer	1,376	LF	\$ _____	\$ _____
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D-4	30-Inch Diameter Storm Sewer	150	LF	\$ _____	\$ _____
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D-5	36-Inch Diameter Storm Sewer	950	LF	\$ _____	\$ _____
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D-6	Storm Sewer Manhole, 48-inch Diameter, 8-Foot Deep	5	EA	\$ _____	\$ _____
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D-7	Storm Sewer Manhole, 60-inch Diameter, 8-Foot Deep	9	EA	\$ _____	\$ _____
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D-8	Storm Sewer Manhole, 72-inch Diameter, 8-Foot Deep	3	EA	\$ _____	\$ _____
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D-9	Storm Sewer Manhole, 84-inch Diameter, 8-Foot Deep	1	EA	\$ _____	\$ _____
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D-10	Additional Depth Beyond 8-Foot, 48-Inch Diameter Storm Sewer Manhole	10	VF	\$ _____	\$ _____
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D-11	Additional Depth Beyond 8-Foot, 60-Inch Diameter Storm Sewer Manhole	17	VF	\$ _____	\$ _____
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D-12	Additional Depth Beyond 8-Feet, 72-Inch Diameter Storm Sewer Manhole	5	VF	\$ _____	\$ _____
D-13	Additional Depth Beyond 8-Feet, 84-Inch Diameter Storm Sewer Manhole	7	VF	\$ _____	\$ _____
D-14	Storm Sewer Inlet, 5'X3', Setback or In-Line	17	EA	\$ _____	\$ _____
D-15	36-Inch Diameter Storm Sewer Pipe Bend	1	EA	\$ _____	\$ _____
D-16	Stormwater Pre-Treatment Device	1	LS	\$ _____	\$ _____
D-17	36-Inch Storm Sewer Pipe Outfall at Creek	1	LS	\$ _____	\$ _____
SUBTOTAL D:				\$ _____	

E. SANITARY SEWER PIPE AND MANHOLE CONSTRUCTION

E-1	12-Inch Diameter Sanitary Sewer	44	LF	\$ _____	\$ _____
E-2	Sanitary Sewer Manhole, 48-Inch Diameter, 8-Feet Deep	2	EA	\$ _____	\$ _____
E-3	Additional Depth Beyond 8-Feet, 48-Inch Diameter Sanitary Sewer Manhole	9	VF	\$ _____	\$ _____
E-4	6-Inch Diameter Sanitary Sewer Lateral	75	LF	\$ _____	\$ _____
E-5	Sanitary Sewer Lateral Wye Connection	5	EA	\$ _____	\$ _____
SUBTOTAL E:				\$ _____	

F. MISCELLANEOUS

F-1	Project Signs	2	EA	\$ _____	\$ _____
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F-2	Traffic Control	1	LS	\$ _____	\$ _____
F-3	Bypass Pumping	1	LS	\$ _____	\$ _____
F-4	Erosion and Sediment Control	1	LS	\$ _____	\$ _____
F-5	Construction Staking	1	LS	\$ _____	\$ _____
SUBTOTAL F:				\$ _____	

AL. CONSTRUCTION ALLOWANCES

AL-1	Brownfield Allowance	1	LS	\$50,000.00	\$50,000.00
AL-2	Force Account Allowance	1	LS	\$300,000.00	\$300,000.00

SUBTOTAL AL: \$350,000.00

TOTAL BID AMOUNT FOR CSO 15 AND 81 SEWER SEPARATION (SUBTOTAL A + B + C + D + E+F+ AL):

_____ dollars and
(written in words)

_____ cents.
(written in words)

\$ _____
(figures)

⁽¹⁾See Specification Section 1100 – Progress and Payment for a more detailed description.
⁽²⁾Quantities are not guaranteed. Final Payment will be based on actual quantities.
⁽³⁾Include allowances in Total Bid Amount.

Respectfully submitted,

By _____

Signature

Date

SEAL

Title

Bidder's form of business is:

Attest _____
(Corporations only)

_____ An INDIVIDUAL,
residing in the State of _____

Business Address

_____ A PARTNERSHIP,
organized in the State of _____

License Number (if applicable)

_____ A CORPORATION,
incorporated in the State of _____

SECTION 1100 – PROGRESS AND PAYMENT

PART 1 - GENERAL

1.01 Measurement and Payment

- A. Scope: This section lists bid items, their unit of payment, method and limits of measurement, and subsidiary work included in the pay item.
- B. Entire Cost: The unit prices shown in the bid shall reflect the entire cost for the construction of the complete work, in conformance with the Drawings and specifications. Cost for items called for in or reasonably inferred as necessary from the construction documents, for which a specific unit price or lump sum price is not listed in the bid, shall be included in the price for the closest applicable items.
- C. Non-Pay Items Subsidiary to the Work as a Whole: The following items are subsidiary to the whole work. The cost of these items shall be balanced throughout the separate pay items. Timely completion of subsidiary work shall be a condition for recommendation of progress payments.

Subsidiary items: all supervision, testing, labor, materials, equipment, and all necessary incidentals required to furnish and install the Work, as well as payment for mobilization, bonds, insurance, permits, and licenses; profit, overhead, markups, safety, and coordination; Contractor's supervision, work plan, progress schedules, and site meetings; environmental controls; temporary facilities; temporary fencing; all erosion control materials and installation; all clearing and grubbing; connection to existing manholes, including installation of new line into the manhole, reshaping the invert to accept the flows; connection to existing pipes; trench excavation; rock excavation; embedment; backfill, granular trench backfill; disposal of excavated material not used as backfill; dewatering as required; bypass pumping; compaction; granular backfill material or concrete required by trench widths exceeding the maximum allowable trench width for any pipe as shown on the Drawings; concrete encasement as indicated on the Drawings; impervious ditch checks as indicated on the Drawings; existing utility removal, replacement and relocation; parking and traffic control; photographic record; job site water, electrical power, trash and sanitary services, field office, protection and restoration of existing improvements and utilities; adjustment, relocation and repair of existing water service lines including service meter boxes and service shut off valves; protection and repair of completed portions of the work; correction of defective work; surface restoration; replacement of unsuitable pipe foundation material; tree removal and saving; required herewith

Subsidiary items shall also include field inspection and verification of existing conditions as necessary to perform the work, including confirmation of depths, diameters, and materials; presence of drop pipes; number and size of pipes entering/existing manholes, prior to installation.

- D. The Contractor shall accept the compensation, as provided in the Contract, in full payment for furnishing all materials, labor, tools and equipment necessary to the completed work and for performing all work contemplated and embraced under the Contract; also, for loss or damage arising from the nature of the work, or from the action of the elements or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the Owner, and for all risks of every description connected with the prosecution of the work; also, for all expenses incurred in consequence of the suspension or discontinuance of the work as herein specified; and for completing the work according to the Drawings and Specifications.

- E. Contractor shall make partial payments to Subcontractors for work completed.
- F. The Supplemental General Conditions establish the responsibility for performing various tests and inspections. Tests that are the responsibility of the Contractor and his suppliers are subsidiary to the related item.
- G. Measurement and payment for each work item shall be in accordance with the following:

A. MOBILIZATION

ITEM A-1 Mobilization

- A. Mobilization is a lump sum (LS) item and shall not exceed 3.5% of the calculated Base Bid Adjustment Unit Price Extension Subtotal, respectively for above line items.
- B. This item shall be paid with the first Application for Payment.

B. INTERNAL CCTV SEWER PIPE INSPECTIONS

ITEM B-1 through B-3: CCTV Inspections

- A. Cleaning shall include light cleaning, as well as any heavy cleaning of 8-inch and larger sewer pipe necessary to perform CCTV inspections. Heavy cleaning with root cutters and mechanical chains are included in the cost of this item. Contractor shall submit supporting documentation, CCTV, and written explanation to Owner if the rehabilitation method shown on the Drawings is recommended to be changed. The cleaning and CCTV will be paid by linear foot (LF) inclusive of all pipe diameters.
- B. Cleaning shall include light cleaning, as well as any heavy cleaning of sewer pipe necessary to verify the pre-construction condition for each main sewer segment designated.
- C. Measurement and payment for pre-cleaning will be made for each line segment and will be limited to each line segment's actual length from inside edge of manhole to inside edge of manhole. No additional payment will be made for subsequent cleaning and CCTV and no additional payment will be made for mainline sewer segments requiring reverse set-up or for locating manholes to perform complete CCTV.
- D. Contractor shall submit preliminary CCTV along reports with NASSCO coding prior to payment of this item. CCTV data shall be reviewed and approved by Owner prior to payment being made.

C. PAVEMENT AND MISCELLANEOUS REMOVAL AND RESTORATION

ITEM C-1 through C-6 Removals

Payment for Removals shall be in accordance with the unit prices set forth in the Contractor's proposal for each item removed.

The unit price shall be the total cost for, but not limited to, furnishing all supervision, labor, materials, equipment, and all necessary incidentals needed to remove pavement, sidewalk, pipe, trees, and structures as shown, specified, and directed. The unit price shall include, but not be limited to, traffic control; safety equipment; site preparation and excavation; disposal of excavated material not used for backfill; dewatering/bypass pumping as necessary; backfilling and compaction; final grading; debris disposal; erosion control; cleanup; and surface restoration to match or exceed existing conditions; temporary fencing; clearing and grubbing; installation and subsequent removal of silt fencing and/or erosion control devices as required.

All paving items including curb & gutter, driveways, sidewalk, and street pavement shall be removed to existing joints or to full depth sawcuts. Driveway removal quantities are included with Pavement Removals. Removal of existing ADA curb ramp areas will be measured as sidewalk removal. Removal of existing inlet throats will be measured as curb removal.

ITEM C-7: Abandon Pipe In-Place, Fill with Flowable Fill

This item shall apply to pipes 12-inch and larger that are to be abandoned in place. Measurement shall be per cubic yard of flowable fill placed.

Payment shall be full compensation for exposing pipe to be abandoned, plugging each end with concrete or grout, fully filling the interior of the pipe with flowable fill. The unit price shall include, but not be limited to, traffic control; safety equipment; site preparation and excavation; disposal of excavated material not used for backfill; dewatering/bypass pumping as necessary; backfilling and compaction; final grading; debris disposal; erosion control; cleanup; temporary fencing; clearing and grubbing; installation and subsequent removal of silt fencing and/or erosion control devices as required.

ITEM C-8: Abandon Manhole In Place, Fill with Flowable Fill

This item shall apply to manholes that are to be abandoned in place. Measurement shall be per cubic yard of flowable fill placed.

Payment shall be full compensation for plugging each pipe connection with concrete or grout, removal to the top 3-feet of the structure, fully filling the interior of the manhole with flowable fill. The unit price shall include, but not be limited to, traffic control; safety equipment; site preparation and excavation; disposal of excavated material not used for backfill; dewatering/bypass pumping as necessary; backfilling and compaction; final grading; debris disposal; erosion control; cleanup; temporary fencing; clearing and grubbing; installation and subsequent removal of silt fencing and/or erosion control devices as required.

ITEM C-9: Brace Street Lighting or Power Poles

This item shall apply to bracing of street lighting or power poles performed by BPU and charged to the Contractor for utility construction

or re-construction of curb returns. Payment shall be made per each required street light or power pole braced by BPU.

Payment shall be full compensation for Contractor's coordination with BPU and BPU fees for work performed.

ITEM C-10: Remove and Reinstall Fire Hydrant

This item shall be measured and paid per each fire hydrant removed and reinstalled to accommodate utility construction.

Payment shall be full compensation for closing hydrant valves, removing hydrant and necessary fittings, storage of the hydrant and fittings, and reinstallation and returning the fire hydrant to service following utility pipe installation, backfill and compaction of excavations, and returning the area to original surface grades. New hydrant locations shall be coordinated with BPU Water and installed to their standards.

ITEM C-11: Remove and Replace Concrete Channel Lining, 5" Thick

This item shall be measured and paid by the square foot where the existing concrete lined channel is required to be removed to complete the utility construction.

Construction of this item includes removal of existing concrete lining to the nearest existing joint, compaction and preparation of subgrade per Specification Section 2201, furnishing and compacting granular subbase, restoration of perforated subdrain, and placement of a 5-inch thick reinforced concrete slab as detailed on the plans.

ITEM C-12: Construct Concrete Curb & Gutter

This item shall be paid per the lineal foot price included in the bid.

Measurement shall be made along the back of curb and include measurement through new inlet throats, including the width of the new inlet. Construction of Concrete Curb & Gutter shall be in accordance with Specification Section 2209.

ITEM C-13 Construct Concrete Sidewalk, 4-Inch Thick

This item shall be paid by the square foot and constructed at the various widths shown on the Drawings.

Construction of Concrete Sidewalk shall be in accordance with Specification Section 2301.

ITEM C-14 Construct ADA Ramps

This item shall be paid by the square foot and constructed at the various locations and configurations shown on the Drawings.

Construction of ADA Ramps shall be in accordance with Specification Section 2301.

ITEM C-15: Construct Concrete Driveway

This item shall be measured and paid by the square foot where driveways are required to be removed to complete the utility construction.

Construction of Concrete Driveway shall be in accordance with Specification section 2301.

ITEM C-16: Construct Trench Patch, 6-Inch Concrete

This item shall be paid per lineal foot of trench as measured along centerline of pipe as installed.

Construction of this item includes removal of existing pavement to 1-foot beyond the limits of the pipe trench on both sides, compaction and preparation of subgrade per Specification Section 2201, placement of a 6-inch thick non-reinforced concrete slab over the trench which will become a subbase for final asphalt surfacing. Concrete trench patch may be poured flush with surface of existing asphalt; however, in that case concrete trench patch must be 8 inches thick instead of 6 inches thick to account for 2 inches of milling performed under Item C-18. Asphalt surfacing over the concrete trench patch shall be paid under item C-18.

ITEM C-17: Roadway Mill and Asphalt Overlay

Item shall be constructed in accordance with Specification Section 2205. Final asphalt paving over concrete trench patching shall also be measured for payment under this item. Asphalt paving over concrete trench patching shall extend a minimum of one-foot beyond the trench patch on both sides. If edge of concrete trench patch is within 3-feet of new or existing curb, asphalt removal and new asphalt overlay shall extend to the curb line.

ITEM C-18: Clearing and Grubbing

Payment for this item(s) shall be per lump sum in accordance with the unit price set forth in the Contractor's proposal. The unit price shall be the total cost for, but not limited to, furnishing all mobilization, supervision, labor, materials, equipment, disposal, and all necessary incidentals needed to remove all vegetative matter such as trees, brush, down timber and other objectionable materials found on or above the surface of the site; including removing and disposing of all buildings, fences, lumber, waste dumps, trash, and removing vegetative matter such as stumps, roots, buried trees and brush encountered below the surface of the ground or subgrade, whichever is lower. Clearing and grubbing shall be in accordance with Section 2101.

ITEM C-19: Sodding

Sodding shall be measured and paid at the price per square yard included in the bid. Sodding shall be placed to restore all residential yards and park areas disturbed by utility construction. Sodding shall be in accordance with Section 2402.

ITEM C-20: Relocate Water Service Line

This item shall be measured and paid per each water service line relocated to accommodate utility construction due to grade or alignment conflicts with the proposed sewer. Water service lines cut and reconnected to accommodate sewer trenching or shoring only will not be measured and paid for in this item and will be incidental to sewer construction.

Payment shall be full compensation for shutting off existing service at the corporation stop, removing necessary fittings, reinstallation of up to 20-feet of water service line, testing, and disinfection, returning the water service line to service following utility pipe installation, backfill and compaction of excavations, and returning the area to original surface grades. New water service line locations shall be coordinated with BPU Water and installed to their standards.

ITEM C-21: Remove and Reinstall Fence

This item shall be paid per lineal foot for all fences required to be removed to accommodate utility construction. Fences shall be replaced with existing materials as removed or new materials of the same type if damaged during removal or storage. No separate measurement shall be made of the various fence materials required to be removed and reinstalled.

Fence construction shall be in accordance with Section 2307.

D. STORM SEWER PIPE AND MANHOLE CONSTRUCTION

ITEM D-1 through D-5: Storm Sewer Pipe Construction

Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal. Measurement shall be along center-line of pipe from inside wall of structures, and include the length measured through any bends or fittings.

Materials and construction shall be in accordance with Section 2602.

ITEM D-6 through D-9: Storm Sewer Manhole Construction

Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal. Measurement shall be for each manhole of each specific diameter constructed to a depth of 8-feet or less.

Manhole construction shall be in accordance with Section 2604.

ITEM D-10 through D-13: Additional Depth Beyond 8-Feet for Manhole Construction

Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal. Measurement shall be from invert of the manhole to the top of the casting, less 8-feet.

Manhole construction shall be in accordance with Section 2604

ITEM D-14: Storm Sewer Inlet Construction

Payment for this item(s) shall be in accordance with the unit price per each set forth in the Contractor's proposal. Measurement shall be made for inlets constructed at the dimensions shown in the proposal. No separate measurements shall be made for inlets constructed as Setback or In-line. Inlet construction shall be in accordance with Section 2604.

Inlet throats and gutter aprons in front of the inlet will be measured separately and paid for as lineal feet of new curb and gutter.

ITEM D-15: 36-Inch Diameter Storm Sewer Pipe Bend

This item shall be measured and paid per each bend installed in accordance with the unit price set forth in the Contractor's proposal. The unit price shall be payment over and above the lineal foot price for storm sewer pipe that will be paid through the fitting.

The unit price shall be the total cost for, but not limited to, furnishing all mobilization, supervision, testing, labor, materials, equipment, and all necessary incidentals needed to construct the fitting either by manufactured or cast-in-place methods.

Construction shall be in accordance with Section 2602.

ITEM D-16: Stormwater Pre-treatment Device

Payment for this item(s) shall be per lump sum in accordance with the unit price set forth in the Contractor's proposal.

The unit price shall be the total cost for, but not limited to, furnishing all mobilization, supervision, testing, labor, materials, equipment, and all necessary incidentals needed to furnish and install the pretreatment device as shown on the drawings, and to clean and maintain the pretreatment device after installation until final completion of the project. The pretreatment device equipment shall be in accordance with manufacturers specifications and as shown on the Drawings. The Contractor shall supply an operations and maintenance manual including manufacturers detailed drawings, dimensions, parts listings, and operation and maintenance instructions for the pretreatment device.

ITEM D-17: 36-Inch Storm Sewer Pipe Outfall at Creek

Payment for this item shall be lump sum in accordance with the unit price set forth in the Contractor's proposal. Price includes manufacturing or fabrication of beveled end of pipe to conform to creek bank slope, and reinforced concrete encasement of the storm sewer pipe according to the details on the plans.

The unit price shall be the total cost for, but not limited to, furnishing all mobilization, supervision, testing, labor, materials, equipment, and all necessary incidentals needed to furnish and install the outfall pipe section as shown on the drawings.

E. SANITARY SEWER PIPE AND MANHOLE CONSTRUCTION

ITEM E-1 Sanitary Sewer Construction

Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal for the pipe diameter specified.

Measurement shall be made for each pipe diameter along the centerline of the pipe from inside wall of structure to inside wall of structure.

Construction shall be in accordance with Section 2501 through 2506.

ITEM E-2 Sanitary Sewer Manhole Construction

Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal. Measurement shall be for each manhole of each specific diameter constructed to a depth of 8-feet or less.

Manhole construction shall be in accordance with Section 2509.

- ITEM E-3 Additional Depth Beyond 8-feet for Manhole Construction**
Payment for this item(s) shall be in accordance with the unit price set forth in the Contractor's proposal. Measurement shall be from invert of the manhole to the top of the casting, less 8-feet for each diameter of manhole constructed.
Manhole construction shall be in accordance with Section 2509.
- ITEM E-4 6-Inch Diameter Sanitary Sewer Lateral**
Payment for this item(s) shall be in accordance with the lineal foot unit price per each set forth in the Contractor's proposal. Only sewer laterals required to be relocated due to grade or alignment conflicts with new sewer construction shall be measured for payment. Sewer lateral removed and replaced to accommodate sewer trenching or shoring shall be considered incidental to sewer construction.
Measurement shall be along pipe centerline including measurement through the fittings from the point of connection to the existing pipe to the wye fitting connection. No separate payment will be made for fittings other than the payment for lineal footage of sewer lateral measured through the fitting. Construction shall be in accordance with Section 2501 through 2506.
- ITEM E-5 Sanitary Sewer Lateral Wye Connection**
Payment for this item(s) shall be in accordance with the unit price per each set forth in the Contractor's proposal. No measurement will be made for different main line pipe sizing or lateral pipe sizing installed. Construction shall be in accordance with Section 2501 through 2506.

F. MISCELLANEOUS

- ITEM F-1. Project Signs**
Payment for this item(s) shall be per each in accordance with the unit price set forth in the Contractor's proposal for furnishing and installing project signs.
The unit price shall be the total cost for, but not limited to, furnishing signs, installation at locations provided by the Owner, maintenance of sign during the duration of the project, and removal and disposal of the sign after project completion.
- ITEM F-2 Traffic Control**
Payment for this item(s) shall be in accordance with the lump sum unit price set forth in the Contractor's proposal. No measurement shall be made and payment shall be based on the overall percentage of completion of the project.
Traffic control shall be in accordance with Section 2305.
- ITEM F-3 Bypass Pumping**
Payment for this item(s) shall be per lump sum in accordance with the unit price set forth in the Contractor's proposal. No measurement shall be made and payment shall be based on the percentage of sanitary sewer pipe completed for the project.

ITEM F-4 Erosion and Sediment Control

Payment for this item(s) shall be in accordance with the lump sum price set forth in the Contractor's proposal. No measurement shall be made and payment shall be based on the overall percentage of completion of the project.

Erosion and Sediment Control shall be in accordance with Section 2150.

ITEM F-5 Construction Staking

Payment for this item(s) shall be in accordance with the lump sum unit price set forth in the Contractor's proposal. No measurement shall be made and payment shall be based on the overall percentage of completion of the project.

AL. ALLOWANCE

ITEM AL-1 through AL-2: Allowances

Additional work requested by the Owner that is not specifically stated in the construction contract documents shall be paid as part of these Line Items.

Contractor's maximum upper limit for compensation includes a total allowance amount of \$350,000 not yet authorized by Owner that may be required throughout the course of the work. This allowance amount shall not be utilized unless specifically authorized in writing by the Owner to perform additional work. Additional work shall not be performed, nor is the Contractor approved to utilize any of the allowance amount, unless the Owner provides written authorization to Contractor that includes the scope of the work to be performed and a maximum billing limit for compensation that has been mutually agreed upon.

PART 2 - PRODUCTS - NOT APPLICABLE

PART 3 - EXECUTION - NOT APPLICABLE

END OF SECTION 1100