



# 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 19 SEWER SEPARATION (PHASE 1) PROJECT I.D. 6311

February 22, 2024

Offerors on CSO 19 SEWER SEPARATION (PHASE 1) are hereby notified that the following amendments are made to the Project's Contract Documents. Proposals to be submitted on March 6, 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 Commissioner's Chambers, the bids will be publicly opened and read aloud."

##### **2. INSTRUCTIONS AND INFORMATION TO BIDDERS:**

- A. Page 3: Add the following to the end of Section 13:  
"Unit prices shall prevail."

##### **3. BID:**

- A. Delete the Bid section in its entirety and replace with the Bid section, Revision 1, dated February 22<sup>nd</sup>, 2024, attached to this Amendment No. 1.

##### **4. AGREEMENT:**

- A. Pages 1: Replace the first sentence of paragraph 4 with the following:  
"The Contractor shall complete all the Work required by the Contract Documents on or before December 31, 2024 (Substantial Completion) and April 30, 2025 (Final Completion), unless the period for completion is extended otherwise by the Contract Documents."

##### **5. TECHNICAL PROVISION SECTION 1100 – GENERAL REQUIREMENTS:**

- A. Pages 4 through 10: Remove Section 1102 – Inspection of Land Development.

##### **6. TECHNICAL SPECIFICATION SECTION 1100 – PROGRESS AND PAYMENT:**

- A. Remove Technical Specification Section 1100 in its entirety and replace with Section 1100, Revision 1, dated February 22, 2024, attached to this Amendment No. 1.



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## 7. TECHNICAL SPECIFICATION SECTION 1400 – PROJECT INTERNAL TELEVISION INSPECTION:

- A. Page 1400-1: In paragraph 1.01.B, remove and replace the first sentence with the following:  
Pre-construction internal CCTV inspection shall be completed for all existing sanitary and storm sewer lines scheduled for replacement (open cut excavation and pipe bursting/reaming), point repairs, CIPP rehabilitation, abandonment, removal, or reuse.”
- B. Insert the “Pre-construction CCTV List” as attached to this Amendment No. 1 into this section.

## AMENDMENTS TO CONTRACT DRAWINGS:

### 1. DRAWING NO. G004 – GENERAL NOTES:

#### A. Utility Notes:

1. Note 6: Remove and replace Note 6 with the following:  
“Contractor shall coordinate with BPU for BPU to brace street lighting or power poles that may be impacted by the work. Street lighting or power poles damaged during construction shall be replaced at the Contractor’s expense.”
2. Note 7: Add the following as Note 7:  
“Contractor shall replace any traffic signal loops that were removed or damaged during construction. Contractor shall coordinate traffic signal loop replacement with BPU.”

#### B. Sanitary Sewer Notes:

1. Note 3: Add the following as Note 3:  
“Sanitary Sewer Materials shall be per Technical Provisions Section 2502.2 and per the Special Conditions.”

#### C. Water Line Notes:

1. Note 1: Revise the last sentence of Note 1 to the following:  
“Water service lines found to be in conflict or damaged during construction shall be relocated or repaired by the contractor at the contractor’s expense per BPU Rules and Regulations.”
2. Note 6: Add the following as Note 6:  
“Contractor shall coordinate with BPU Water to relocate or repair water mains found to be in conflict or damaged during construction. Relocation or repair of water mains damaged during construction shall be at the Contractor’s expense.”

### 2. DRAWING NO. C501 – JUNCTION STRUCTURE PLAN AND SECTIONS:

#### A. Notes: Add the following as Note 1:

“Refer to Standard Drawings UG 5000-A thru UG 5000-E (See Dwg REF006).”



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### CLARIFICATIONS:

#### 1. PRE-BID CONFERENCE:

- A. Federal Wage Rates will be provided with upcoming Amendment No. 2.
- B. A copy of the Pre-Bid Conference Agenda and Sign-In Sheet is attached for reference.
- C. Bids are due March 6, 2024 at 8:45 am local time at the Office of the Unified Government Clerk.
- D. Notice to proceed is anticipated in mid-April 2024. Contractor may stage materials and equipment before receipt of a signed agreement, but cannot break ground without that executed agreement.
- E. This is a unit price award and Bid evaluation is based on the grand total. Unit prices shall prevail as added per this Amendment No. 1. Refer to Section 13 of Instructions and Information to Bidders.
- 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 to change estimated quantity of Item B-1: Pre-Construction CCTV, change the description of Item C-8 from “Remove and Reinstall Street Lighting” to “Brace Street Lighting or Power Poles”, change the estimated quantity of Item D-3: 24-Inch Diameter Storm Sewer; add an item (Item D-5) for 36-Inch Diameter Storm Sewer, revise item numbers for Item D-6: : 48-Inch Diameter Storm Sewer through Item D-22: Stormwater Pre-treatment Device, and change the description for Item D-21: Flow Control Structure (000-002-FCS), formerly Item D-20: Flow Control Structure. The bidder shall utilize the Bid Form attached to this Amendment No. 1 to submit a bid.
- H. Maintenance Bond shall be in an amount equal to 25% of the Contract Price and hold good for a period of 3 years after final acceptance of the Work. Refer to Section 22 of Instructions and Information to Bidders. Technical Provision Section 1102 – Inspection of Land Development, which stated in 1102.9.A. “Amount of maintenance bond shall be 100 percent of construction cost.”, has been removed per this Amendment No. 1.
- I. 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 revise the name and description for Item C-8 Brace Street Lighting or Power Poles, add a description for payment of inlet throats to Item C-11 Construct Concrete Curb, add a description to Item C-16 Construct Trench Patch, 6-inch Concrete for the case where Contractor elects to pour trench patch flush with existing asphalt, revise Item C-16 to reference Item C-18 for asphalt surfacing, and reconcile the item numbers with the Bid Form.
- J. Curb inlets shall be per Technical Provision Section 2600 – Storm Sewer and per Standard Drawings UG 5500-A thru UG 5500-D on Drawing No. REF007.



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50 MARKET STREET, KANSAS CITY, KANSAS 66118

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- K. Manholes are allowed to have unreinforced cast-in-place concrete bases per Standard Drawing UG 5000-A on Drawing No. REF006. A note referring contractor to Standard Drawings UG 5000-A thru UG 5000-E has been added to Drawing No. C501 per this Amendment No. 1.
- L. A geotechnical report has been posted to Drexel for bidders' information only.
- M. A list of assets for Pre-Construction CCTV (Item B-1) is attached.
- N. For Item C-10 Remove and Reinstall Fire Hydrant, existing fire hydrants and valves may be reused. New hydrant locations shall be coordinated with BPU per Water Lines Notes Note 6 on Drawing No. G004 – General Notes, based on proposed curb ramp, curb, and sidewalk locations. No tapping, connections, or removal of pipe at the main is required.
- O. Inlet throats shall be subsidiary to Bid Item C-11. The following text has been added to Bid Item C-11 with this Amendment No. 1 “For new inlets Concrete Curb & Gutter shall be measured along back of curb to the outside edge of the new inlet.”
- P. For concrete trench patch, Item C-16 has been revised per this Amendment No. 1 to state that “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 shall be paid under Item C-18; “C-16” has been replaced with “C-18” in Item C-16 per this Amendment No. 1.
- Q. For concrete pavement, Item C-17 is for existing concrete streets that do not have asphalt overlay such as the intersection of 11<sup>th</sup> Street and State Avenue.
- R. Refer to Item C-18 for progress and payment of roadway mill and asphalt overlay. Pay quantities shall be for as-constructed quantities.
- S. 36-Inch Diameter Storm Sewer shall be paid for under Item D-5 of the revised Bid Form and revised Technical Specification Section 1100 – Progress and Payment.
- T. Flow Control Structure 000-002-FCS on Drawing No. C114 shall be paid for under Item D-21: Flow Control Structure (000-002-FCS), formerly Item D-20: Flow Control Structure; the item number and description have been revised with this Amendment No. 1. Flow Control Structure 000-001-FCS shall be paid for under Item D-12: Storm Sewer Manhole, 96-inch Diameter, 8-Foot Deep, formerly Item D-11, and Item D-17: Additional Depth Beyond 8-Foot, 96-Inch Dia MH, formerly Item D-16, as applicable.
- U. Refer to Standard Drawing UG 2100-A on Drawing No. REF001, which states that ““Under Pavement and within 4' Horizontal of Pavement, Fill with Aggregate Base Course, AB-3 @ 95% Small patches may use flowable fill (60 to 90 psi).”
- V. Refer to Technical Provision Section 2602.2 for storm sewer pipe materials.
- W. BPU Water will be completing large main potholing the week of February 19, 2024 through February 23, 2024.



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- X. BPU Electric has not provided a relocation schedule for power poles. Refer to Utility Notes Note 6 on Drawing No. G004 – General Notes for Contractor’s responsibility to coordinate with BPU to brace street lighting or power poles; BPU shall be performing the bracing, not the Contractor. Utility Notes Note 6 on Drawing G004 – General Notes was revised with this Amendment No. 1.
- Y. Kansas One Gas will be performing gas main relocations between March 18, 2024 and April 26, 2024, working from the north end of the project extents to the south end of project extents.

There are no further changes to CSO 19 SEWER SEPARATION (PHASE 1) 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  
                          Pre-Construction CCTV List



**PUBLIC WORKS  
WATER POLLUTION CONTROL**

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: February 15, 2024  
Start Time: 8:30 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 19 Sewer Separation (Phase 1)  
Project I.D. 6311

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: March 6th, 8:45 am local time
  - i. Bids due to UG Clerk at the Municipal Office Building, 3<sup>rd</sup> Floor, 701 N. 7<sup>th</sup> Street, KCK
  - ii. Bids will be opened at 9:00 am at the Municipal Office Building, 5<sup>th</sup> Floor, 701 N. 7<sup>th</sup> 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 (February 28<sup>th</sup>, 5:00 pm)

**2. Project Description**

- a. Storm Sewer Construction
  - i. 5,904 LF of 15-inch through 48-inch storm sewer and appurtenances
- b. Sanitary Sewer Construction
  - i. 3,034 LF of 8-inch through 21-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. Big Eleven Lake aeration system, stormwater pre-treatment device, possible building demolition
- e. GIS Map
  - i. <https://gisweb.wycokck.org/portal/apps/webappviewer/index.html?id=7939b0b447d343b1ba33cf5fe528070a>



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**3. Special Project Requirements**

- a. Project is WIFIA Funded: Federal requirements found in Instructions and Information for Bidders
- b. Affirmative Action Workforce Goals (Section 31 of the Instructions and Information to Bidders)
  - i. Includes workforce related goals and good faith effort requirements
- c. Compliance with Davis Bacon Act (Section 34 of Instructions and Information to Bidders)
- d. 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
  - 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
    - 6. UG building 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. 30-inch water main in 11<sup>th</sup> Street is key utility with several crossings.
- iv. Numerous fiber optic utilities on both sides of 11<sup>th</sup> Street.
- v. Contractor shall field inspect and verify existing conditions as necessary to perform the work.
- vi. Construction activity shall be restricted to street right-of-way, Unified Government-owned property, and temporary construction easements, along with other areas secured by Contractor by private agreement.
- vii. If necessary to perform proposed Work, Contractor shall negotiate access agreements with property owners.
- viii. Pre-construction internal CCTV inspection shall be completed for all existing sanitary and storm sewer lines scheduled for replacement.
- ix. 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. Correction of Substantial and Final Completion times in Agreement section.
  - iii. Federal Wage Rate Determination
- b. Address any other necessary clarifications

7. Questions and Comments

# Pre-Bid Conference

## Sign-In Sheet (February 15, 2024)

Unified Government of Wyandotte County / Kansas City, Kansas  
 Engineering Division, Public Works Department  
 CSO 19 Sewer Separation (Phase 1)  
 Project I.D. 6311

NAME	COMPANY NAME	PHONE NO.	EMAIL ADDRESS
KEVIN SWEARENGIN	UG - WPC	913-573-1365	KSWARENGIN@WYCOKCK.ORG
WALDO MARGHEIM	BURNS & McDONNELL	913-904-8314	Wamargheim@burnsmcd.com
Sam Lahodny	BURNS & McDonnell	501-515-1707	slahodny@burnsmcd.com
MADISON GIBLER	BURNS & McDONNELL	816-448-7506	mgibler@burnsmcd.com
Matt Gripke	Kansas Heavy Construction LLC	913-845-2121	matt.gripke@kshvycor.com
Kris Johnson	Shedigsit, LLC	816-295-1100	Kris@shedigsit.com
JERRY WIEDENMANN	WIEDENMANN INC.	916-322-1125	JERRY@WIEDENMANNINC.COM
JEFF Stacy	ADS	816-775-1466	jeff.stacy@adspipe.com
LARRY Hudgens	Redford CONSTRUCTION	816-540-2030	larry@redfordconstruction.com
KIRK ROLAND	UG. WPC	913-573-1360	Kroland@wycoKCK.org

# Pre-Bid Conference

## Sign-In Sheet (February 15, 2024)

Unified Government of Wyandotte County / Kansas City, Kansas  
 Engineering Division, Public Works Department  
 CSO 19 Sewer Separation (Phase 1)  
 Project I.D. 6311

NAME	COMPANY NAME	PHONE NO.	EMAIL ADDRESS
DAVID WAHEI	CENTH SONS, INC.	816-365-1191	DAVID@CENTHSONS.COM
Derek Campbell	RMC	913-927-5930	derek@rmckc.com
Brien Maylan	Mega KC	816-472-8722	Megabids@megakc.com
RYAN McMASTER	AMINO BROTHERS	913.334.2330	ryan@aminobros.com
RICKY LEDGERWOOD	U.G	913 573-5421	rledgerwood@wycokck.org
Jonathan Wiles	U.G. - Collections Eng.	913-573-5425	jwiles@wycokck.org





**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 19 Sewer Separation (Phase 1)**  
**Project ID: 6311**

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):

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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<sup>(1)</sup></u>	<u>Estimated Quantity<sup>(2)</sup></u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
<b>A. MOBILIZATION</b>					
A-1	Mobilization	1	LS	\$ _____	\$ _____

**SUBTOTAL A:**

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**B. INTERNAL CCTV SEWER PIPE INSPECTION**

B-1	Pre-Construction CCTV	4,066	LF	\$ _____	\$ _____
B-2	Post-Construction CCTV, Sanitary, 8-inch through 15-inch	1,603	LF	\$ _____	\$ _____
B-3	Post Construction CCTV, Sanitary, 18-inch and greater	1,552	LF	\$ _____	\$ _____
B-4	Post-Construction CCTV, Storm, 15-inch and greater	5,904	LF	\$ _____	\$ _____

**SUBTOTAL B:**

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**C. PAVEMENT AND MISCELLANEOUS REMOVAL AND RESTORATION**

C-1	Remove Curb & Gutter	2,181	LF.	\$ _____	\$ _____
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C-2	Remove Sidewalk	9,365	SF	\$ _____	\$ _____
C-3	Remove Inlet	29	EA	\$ _____	\$ _____
C-4	Remove Pavement	3,054	SY.	\$ _____	\$ _____
C-5	Remove Existing Pipe, 18-inch diameter and smaller	224	LF	\$ _____	\$ _____
C-6	Remove Existing Pipe Larger than 18-inch Diameter	663	LF	\$ _____	\$ _____
C-7	Abandon Pipe In-Place, Fill with Flowable Fill	162	CY	\$ _____	\$ _____
C-8	Brace Street Lighting or Power Poles	14	EA	\$ _____	\$ _____
C-9	Remove and Reinstall Sign	16	EA	\$ _____	\$ _____
C-10	Remove and Reinstall Fire Hydrant	5	EA	\$ _____	\$ _____
C-11	Construct Concrete Curb & Gutter	2,181	LF	\$ _____	\$ _____
C-12	Construct Concrete Sidewalk, 4-inch Thick	5,262	SF	\$ _____	\$ _____
C-13	Construct 10-Foot Wide Concrete Sidewalk, 7- inches Thick	2,445	SF	\$ _____	\$ _____
C-14	Construct ADA Ramps	2,588	SF	\$ _____	\$ _____
C-15	Construct Concrete Driveway	343	SF	\$ _____	\$ _____
C-16	Construct Concrete Trench Patch – 6-inches thick	8,692	LF	\$ _____	\$ _____
C-17	Construct Concrete Pavement, 8-inch Thick	3,054	SY	\$ _____	\$ _____

C-18	Roadway Mill and Asphalt Overlay	5,521	SY	\$ _____	\$ _____
C-19	Pavement Markings	1	LS	\$ _____	\$ _____
C-20	Sodding	2,455	SY	\$ _____	\$ _____
C-21	Remove and Reinstall Fence	200	LF	\$ _____	\$ _____

**SUBTOTAL C:**

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**D. STORM SEWER PIPE AND MANHOLE CONSTRUCTION**

D-1	15-Inch Diameter Storm Sewer	2,363	LF	\$ _____	\$ _____
D-2	18-Inch Diameter Storm Sewer	1,938	LF	\$ _____	\$ _____
D-3	24-Inch Diameter Storm Sewer	419	LF	\$ _____	\$ _____
D-4	30-Inch Diameter Storm Sewer	673	LF	\$ _____	\$ _____
D-5	36-Inch Diameter Storm Sewer	19	LF	\$ _____	\$ _____
D-6	42-Inch Diameter Storm Sewer	377	LF	\$ _____	\$ _____
D-7	48-Inch Diameter Storm Sewer	151	LF	\$ _____	\$ _____
D-8	Storm Sewer Manhole, 48-inch Diameter, 8-Feet Deep	13	EA	\$ _____	\$ _____
D-9	Storm Sewer Manhole, 60-inch Diameter, 8-Feet Deep	5	EA	\$ _____	\$ _____
D-10	Storm Sewer Manhole, 72-inch Diameter, 8-Feet Deep	6	EA	\$ _____	\$ _____

D-11	Storm Sewer Manhole, 84-inch Diameter, 8-Feet Deep	0	EA	\$0	\$
D-12	Storm Sewer Manhole, 96-inch Diameter, 8-Feet Deep	2	EA	\$	\$
D-13	Additional Depth Beyond 8-Feet, 48-Inch Dia MH	38	VF	\$	\$
D-14	Additional Depth Beyond 8-Feet, 60-Inch Dia MH	10	VF	\$	\$
D-15	Additional Depth Beyond 8-Feet, 72-Inch Dia MH	24	VF	\$	\$
D-16	Additional Depth Beyond 8-Feet, 84-Inch Dia MH	0	VF	\$	\$
D-17	Additional Depth Beyond 8-Feet, 96-Inch Dia MH	9	VF	\$	\$
D-18	Storm Sewer Inlet, 5'X3', Setback or In-Line	43	EA	\$	\$
D-19	Storm Sewer Inlet, 5'X5', Setback or In-Line	1	EA	\$	\$
D-20	Storm Sewer Inlet, 8'X3', Setback or In-Line	4	EA	\$	\$
D-21	Flow Control Structure (000-002-FCS)	1	LS	\$	\$
D-22	Stormwater Pre-Treatment Device	1	LS	\$	\$

**SUBTOTAL D:**

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**E. SANITARY SEWER PIPE AND MANHOLE CONSTRUCTION**

E-1	12-Inch Diameter Sanitary Sewer	590	LF	\$	\$
E-2	15-Inch Diameter Sanitary Sewer	1,013	LF	\$	\$

E-3	18-Inch Diameter Sanitary Sewer	377	LF	\$ _____	\$ _____
E-4	21-Inch Diameter Sanitary Sewer	1,054	LF	\$ _____	\$ _____
E-5	Sanitary Sewer Manhole, 48-Inch Diameter, 8-Feet Deep	19	EA	\$ _____	\$ _____
E-6	Sanitary Sewer Manhole, 60-Inch Diameter, 8-Feet Deep	1	EA	\$ _____	\$ _____
E-7	Sanitary Sewer Manhole, 72-Inch Diameter, 8-Feet Deep	1	EA	\$ _____	\$ _____
E-8	Sanitary Sewer Manhole, 84-Inch Diameter, 8-Feet Deep	0	EA	\$ _____	\$ _____
E-9	Sanitary Sewer Manhole, 96-Inch Diameter, 8-Feet Deep	1	EA	\$ _____	\$ _____
E-10	Additional Depth Beyond 8-Feet, 48-Inch Sanitary MH	163	VF	\$ _____	\$ _____
E-11	Additional Depth Beyond 8-Feet, 60-Inch Sanitary MH	0	VF	\$ _____	\$ _____
E-12	Additional Depth Beyond 8-Feet, 72-Inch Sanitary MH	6	VF	\$ _____	\$ _____
E-13	Additional Depth Beyond 8-Feet, 84-Inch Sanitary MH	0	VF	\$ _____	\$ _____
E-14	Additional Depth Beyond 8-Feet, 96-Inch Sanitary MH	11	VF	\$ _____	\$ _____
E-15	6-Inch Diameter Sanitary Sewer Lateral	200	LF	\$ _____	\$ _____

E-16	Sanitary Sewer Lateral Wye Connection	15	EA	\$ _____	\$ _____
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**SUBTOTAL E:**

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**F. MISCELLANEOUS**

F-1	Project Signs	2	EA	\$ _____	\$ _____
F-2	Traffic Control	1	L.S.	\$ _____	\$ _____
F-3	Bypass Pumping	1	L.S.	\$ _____	\$ _____
F-4	Erosion and Sediment Control	1	L.S.	\$ _____	\$ _____
F-5	Construction Staking	1	L.S.	\$ _____	\$ _____
F-6	Furnish and Construct Big Eleven Lake Aeration System	1	L.S.	\$ _____	\$ _____

**SUBTOTAL F:**

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**AL. CONSTRUCTION ALLOWANCES**

AL-1	Brownfield Allowance	1	LS	\$50,000.00	\$50,000.00
AL-2	Building Demolition Allowance	1	LS	\$200,000.00	\$200,000.00
AL-3	Force Account Allowance	1	L.S.	\$300,000.00	\$300,000.00

**SUBTOTAL AL:** **\$550,000.00**

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**TOTAL BID AMOUNT FOR CSO 19 SEWER SEPARATION (PHASE 1) (SUBTOTAL A + B + C + D + E+F+ AL):**

\_\_\_\_\_ dollars and  
**(written in words)**

\_\_\_\_\_ cents.  
**(written in words)**

\$ \_\_\_\_\_ .  
**(figures)**

- <sup>(1)</sup>See Specification Section 1100 – Progress and Payment for a more detailed description.
- <sup>(2)</sup>Quantities are not guaranteed. Final Payment will be based on actual quantities.
- <sup>(3)</sup>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 plans 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 plans; concrete encasement as indicated on the plans; impervious ditch checks as indicated on the plans; 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-4: 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 in the plans 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/Engineer 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, 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.

**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: 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-9: Remove and Reinstall Sign**

This item shall apply to the removal of street and traffic signs to accommodate utility construction. Payment shall be made per each required street sign removal and reinstallation.

Payment shall be full compensation for removing the street sign, storage of the sign and post, and reinstallation at or near its existing location.

**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: 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.

Construction of Concrete Curb & Gutter shall be in accordance with Specification Section 2209. For new inlets Concrete Curb & Gutter shall be measured along back of curb to the outside edge of the new inlet.

**ITEM C-12 Construct Concrete Sidewalk, 4-Inches Thick**

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

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

**ITEM C-13 Construct 10-Foot Wide Concrete Sidewalk, 7-Inches Thick**

This item shall be paid by the square foot and constructed as shown on the plans on the east side of 11<sup>th</sup> Street between Minnesota Ave and State Ave.

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 plans.

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: Construct Concrete Pavement, 8-inch Thick**

This item shall be constructed in accordance with Section 2208. Subgrade preparation and subgrade stabilization shall be included in the pavement item and shall be in accordance with Section 2201 and 2202 respectively.

**ITEM C-18: 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-19: Pavement Markings**

Lump sum payment for pavement markings shall be for work completed in accordance with Section 2306.

**ITEM C-20: 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-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-7: 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 centerline of pipe from inside wall of structures.

Materials and construction shall be in accordance with Section 2602.

**ITEM D-8 THROUGH D-12: 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-13 THROUGH D-17: 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-18 THROUGH D-20: 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 Set-back or In-line. Inlet construction shall be in accordance with Section 2604.

**ITEM D-21: Flow Control Structure (000-002-FCS)**

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 construct the structure either by pre-cast or cast-in-place methods.

Construction shall be in accordance with Section 2604.

**ITEM D-22: 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.

The pretreatment device equipment shall be in accordance with manufacturers specifications and as shown on the Drawings.

**E. SANITARY SEWER PIPE AND MANHOLE CONSTRUCTION**

**ITEM E1 THROUGH E4 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 E5 THROUGH E9 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 E10 THROUGH E14 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-15 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. 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-16 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 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.

**ITEM F-6 Furnish and Construct Big Eleven Lake Aeration System**

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 will be based on the percentage of completion of the item estimated at the time of preparation of the payment request. Materials and construction of the aeration system shall be in accordance with the project Drawings.

#### **AL. ALLOWANCE**

##### **ITEM AL-1 THROUGH AL-3: 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 Item.

Contractor's maximum upper limit for compensation includes a total allowance amount of \$550,000 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

Pre-Construction CCTV List				
Diamter (in)	Type	Length (ft)	US Structure	DS Structure
12	Storm	152	075-630-IT	075-059-MH
15	Storm	33	075-631-IT	075-630-IT
15	Storm	44	075-597-IT	075-598-IT
15	Storm	58	075-559-IT	075-597-IT
12	Storm	45	075-629-IT	075-630-IT
15	Storm	16	075-608-IT	075-050-MH
15	Storm	28	062-755-IT	062-757-IT
15	Storm	42	075-607-IT	075-608-IT
12	Storm	42	075-606-IT	075-605-IT
36	Sanitary, Combined	170	062-027-MH	062-121-MH
36	Storm	32	062-531-IT	062-530-IT
24	Sanitary, Combined	195	062-024-MH	062-121-MH
15	Storm	122	075-612-IT	075-063-IT
54	Sanitary, Combined	75	062-011-MH	062-010-MH
54	Sanitary, Combined	144	062-010-MH	062-009-MH
54	Sanitary, Combined	141	062-009-MH	062-001-MH
10	Storm	88	062-055-IT	062-024-MH
12	Storm	32	062-530-IT	062-025-IT
15	Storm	237	062-511-IT	062-512-MH
15	Storm	33	062-538-IT	062-040-MH
15	Storm	44	GRATE INLET #5726	063-114-MH
15	Storm	100	UNKNOWN ORIGIN*	063-114-MH
18	Storm	50	UNKNOWN ORIGIN*	063-114-MH
36	Storm	83	062-713-IT	062-714-IT
36	Sanitary, Combined	140	062-022-MH	062-011-MH
36	Sanitary, Combined	83	062-127-IT	062-022-MH
36	Sanitary, Combined	68	062-025-IT	062-127-IT
12	Storm	86	075-611-IT	075-612-IT
18	Storm	129	062-763-IT	062-751-MH
24	Storm	82	062-751-MH	062-760-IT
15	Storm	102	062-508-MH	062-511-IT
15	Storm	167	062-710-IT	062-713-IT
18	Storm	7	062-758-IT	062-757-IT
24	Storm	235	062-759-MH	062-760-IT
15	Storm	16	075-605-IT	075-050-MH
24	Storm	190	062-760-IT	062-761-MH
24	Storm	55	062-761-MH	062-121-MH
12	Storm	34	062-530-IT	062-025-IT
15	Storm	503	062-512-MH	062-011-MH
15	Storm	36	CURB INLET #11652	062-010-MH
54	Sanitary, Combined	33	062-112-MH	063-114-MH
36	Storm	40	062-714-IT	062-001-MH
54	Sanitary, Combined	19	062-001-MH	062-112-MH
24	Storm	35	063-666-IT	063-114-MH
<b>Total</b>		<b>4066</b>		

\*Assumed length for unknown origin. Contractor to verify length in the field.