

**RESOLUTION NO. 2017-025**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DUNCANVILLE, TEXAS, TO AWARD A CONTRACT FOR THE FY2016 COMMUNITY DEVELOPMENT BLOCK GRANT PROJECT IFB #17-45 WASTEWATER IMPROVEMENTS – PEBBLE DRIVE EASEMENT FROM STEGER DRIVE TO HILL CITY DRIVE TO KING SOLUTION SERVICES, LLC, IN THE AMOUNT OF \$105,300.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE NECESSARY DOCUMENTS; AND, PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, the City of Duncanville is eligible to receive funding from the Dallas County Community Development Block Grant Program (hereinafter "CDBG Funds") created under the Department of Housing and Urban Development; and

**WHEREAS**, the City of Duncanville has been notified that funds in the amount of \$108,932.00 are available to the City of Duncanville for the CDBG FY2016 Budget for the city's Fiscal Year 2017 and 2018 budgets for the pipe bursting project; and

**WHEREAS**, the City of Duncanville City Council desires to use these funds to benefit low and moderate income people living within the designated areas; and,

**WHEREAS**, the City desires to provide necessary wastewater improvements to the easement along Pebble Drive from Steger Drive to Hill City Drive within the City of Duncanville; and

**WHEREAS**, the City has taken competitive bids and recommends the award of the contract to the lowest responsible bidder meeting specifications for IFB 17-45; and the City desires to award the contract to King Solution Services, LLC for the amount of \$105,300.00, and authorizes the execution of the necessary documents to procure said services.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DUNCANVILLE, TEXAS, THAT:**

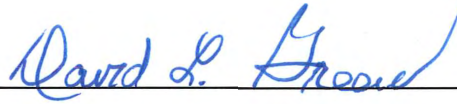
**SECTION 1.** The City of Duncanville authorizes the awarding of a contract to King Solution Services, LLC for the amount of \$105,300.00 and authorizes the execution as set forth in the Exhibit "A".

**SECTION 2.** The City Council of the City of Duncanville hereby authorizes the City Manager, or his designee, to execute said agreement to procure said services.

**SECTION 3.** That this Resolution shall become effective immediately from and after its passage.

**DULY RESOLVED AND ADOPTED** by the City Council of the City of Duncanville, Texas, on the 2nd day of May, 2017.

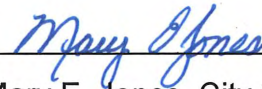
**APPROVED:**



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David L. Green, Mayor


**ATTEST:**



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Mary E. Jones, City Secretary

**APPROVED AS TO FORM:**



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Robert E. Hager, City Attorney

EXHIBIT A

STANDARD FORM OF AGREEMENT

STATE OF TEXAS  
COUNTY OF DALLAS

THIS AGREEMENT, made and entered into this 2nd day of May A.D. 2017, by and between the **City of Duncanville, Texas** acting through Kevin Hugman, City Manager thereunto duly authorized so to do, Party of the First Part, hereinafter termed OWNER, and **King Solution Services, LLC** of the **City of Houston, Texas**, Party of the Second Part, hereinafter termed CONTRACTOR.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Party of the First Part (OWNER), and under the conditions expressed in the bond bearing even date herewith, the said Party of the Second Part (CONTRACTOR), hereby agrees with the said Party of the First Part (OWNER) to commence and complete the construction of certain improvements described as follows:

**IFB #17-45 Wastewater Improvements – Pebble Drive Easement From Steger Drive to Hill City Drive**

and all extra work in connection therewith, under the terms as stated in the General Conditions of the Agreement and at his (or their) own proper cost and expense to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary to complete the said construction, in accordance with the conditions and prices stated in the Proposal attached hereto, and in accordance with the Notice to Contractors, General and Special Conditions of Agreement, Plans and other drawings and printed or written explanatory matter thereof, and the Specifications and addenda therefore as prepared by **City of Duncanville Department of Public Works** herein entitled the ENGINEER, each of which has been identified by the CONTRACTOR and the ENGINEER, together with the CONTRACTOR'S written proposal, the General Conditions of the Agreement, and the Performance and Payment Bonds hereto attached; all of which are made a part hereof and collectively evidence and constitute the entire contract.

The CONTRACTOR hereby agrees that work is completed in accordance with the Standard Specifications for Public Works Construction.

The CONTRACTOR hereby agrees to commence work within to (10) days after the date of written notice to do so shall have been given to him, and to substantially complete the same in **60** calendar days, subject to such extensions of time as are provided by the General and Special Conditions.

THE OWNER agrees to pay the CONTRACTOR in current funds the price or prices shown in the proposal, which forms a part of this contract, such payments to be subject to the General and Special Conditions of the contract

EXHIBIT A

IN WITNESS WHEREOF, the parties to these presents have executed this Agreement in the year and day first above written.

**City of Duncanville, Texas**  
\_\_\_\_\_  
Party of the First Part  
(OWNER)

**King Solution Services, LLC**  
\_\_\_\_\_  
Party of the Second Part  
(CONTRACTOR)

By: \_\_\_\_\_

By: \_\_\_\_\_

ATTEST: \_\_\_\_\_

ATTEST: \_\_\_\_\_

EXHIBIT A

BID  
TO  
THE CITY OF DUNCANVILLE, TEXAS  
IFB #17-45  
2017 CDBG PROJECT - PIPEBURSTING

King Solution Services, LLC  
Legal Name of Bidding Firm

MARIO JAIMES  
Contact Person

OFFICER  
Title

281-732-2014  
Telephone Number

KingSolutionServices@ucmhd.com  
E-Mail Address

15013 LILLJA RD  
Complete Mailing Address

Houston TX  
City/State

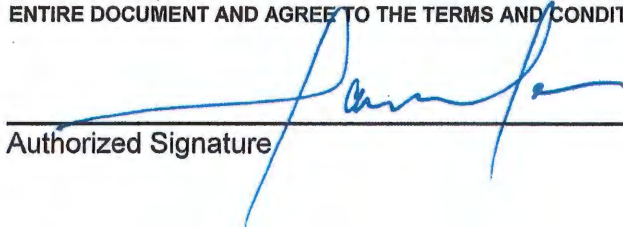
77060  
Zip

Principal Business Office Address (if different)

City/State

Zip

THE UNDERSIGNED, BY HIS/HER SIGNATURE, REPRESENTS THAT HE/SHE IS AUTHORIZED TO BIND THE BIDDER FOR THE AMOUNT SHOWN ON THE ACCOMPANYING BID SHEETS AND HEREBY CERTIFIES FULL COMPLIANCE WITH THE TERMS AND CONDITIONS, SPECIFICATIONS AND SPECIAL PROVISIONS OF THE INVITATION FOR BID. BY SIGNING BELOW, YOU SIGNIFY THAT YOU HAVE READ THE ENTIRE DOCUMENT AND AGREE TO THE TERMS AND CONDITIONS THEREIN.

  
Authorized Signature

04/20/17  
Date

SCOPE

This project is for the construction of approximately 1,040 linear feet of sanitary sewer line from 6" to 8" by pipebursting including associated street repairs, associated property repairs, and appurtenances.

The estimated value of the project is \$130,000.00.

EXHIBIT A

**ADDENDUM RECEIPT ACKNOWLEDGMENT**

Bidder acknowledges receipt of the following Addenda:

Addendum #1 Dated <u>4-13-17</u>	Received <u>YES</u>
Addendum #2 Dated _____	Received _____
Addendum #3 Dated _____	Received _____
Addendum #4 Dated _____	Received _____

**LIABILITY AND WORKERS' COMPENSATION INSURANCE CERTIFICATION**

Bidder hereby certifies that said company carries liability coverage and workers compensation insurance coverage that meets the requirements set forth in this solicitation when performing work for the City of Duncanville in accordance with Attachment 1.

A certificate of liability and workers comp coverage must be submitted to the City before a contract will be executed.

**QUALIFICATIONS AND REFERENCES QUESTIONNAIRE**

1. List the names that the bidder currently, has, or anticipates operating under, including the names of related companies presently doing business.

King Solution Services, LLC  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. List the names of companies, firms or organizations that own any part of your organization.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

3. Years in business: 3

4. In the past ten years, has bidder ever terminated or been terminated from a similar contract? NO  
If yes, provide details on a separate sheet.

EXHIBIT A

5. Is the bidder currently in any litigation or contemplating litigation? NO  
If yes, provide details on a separate sheet.
6. In the past five years, has bidder ever refused to enter into a similar contract for which it was awarded?  
NO  
If yes, provide details on a separate sheet.
7. Provide a brief description of bidder's managerial structure including name and title of key personnel. This information may be submitted on a separate sheet.

Attached Qualification STATEMENT

8. What trades or services does the bidder ordinarily subcontract out?

Manhole Rehab

9. If you have not worked for the City of Duncanville within the last three (3) years, provide a list of at least five (5) recent contracts that are of similar size and scope to the project specified herein.

Contract Name #1: Sanitary Sewer Line Repair D.H. 07

Owner: CITY OF RICHWOOD

Value: 131,020

Date Completed: 10/07/16

Contract Manager: CLIFF CUSTER

Owner's Reference Name & Phone #: 979-265-2082



# King Solution Services, L.L.C.

15013 Lillja Rd 3 Houston, Texas 77060 Ph: 281-732-2014 Fax: 832-201-0690

## QUALIFICATIONS STATEMENT

I would like to take an opportunity and introduce our company (King Solution Services, L.L.C.) that provides CCTV, sewer, storm, and water rehabilitation. King Solution Services was established in 2013 as a Limited Liability Company located in Houston, Texas has been in the Municipal and Construction Industry.

We have experience in different types of rehabilitation such as Pipe Bursting, Point Repairs, Service Repairs, Combination Repairs, installing lateral's Clean Outs, Installing-Replacing Manholes of all sizes, Open Cut, Installing-Replacing water lines, Installing- Replacing Fire hydrants, detecting water leaks, CCTV (Pre and Post) Inspection. We have performed extensive and successful services though the Houston and surrounding areas including San Antonio. We also have one crew designed to do concrete work as far as driveways, sidewalks and anything to do with concrete. We have the knowledge and tools it takes to do it the right way.

The experience of our key personnel is what takes King Solution Services, LLC to the next level; Quality, control and SAFETY standards are our Number One Priority.

### **Mario Jaimes/Officer**

Has over 8 Years' experience in Business Administration, Sales and Customer Service relationships. Has successfully managed City of Houston Contracts, More than 25,000 LF of Open cut Projects. Has overseen more than 20+ projects with different Engineering Firms has a strong leadership skills . Inspected more than 100,000 LF of CCTV Operations. Is certified to practice PACP, MACP and LACP to serve the community improvements from open cuts, pipe bursting and all rehabilitation process.

### **Jose M Negrete/Officer**

Has more than 20+ years experience in the Underground Rehabilitation Practice, such as pipe bursting methods, heavy equipment machinery operator, Open Cut Projects, Manhole Installation and a conservative CDL driver. Work History includes Texas Sterling and PM Construction.

With a combination of more than 30 years in the Construction Industry, our key personnel have a solid background to meet our client's expectations and standards.

**We provide high quality services to all of our clients. SAFETY is our Number ONE Priority.**



EXHIBIT A

ATTACHED Reference List

Contract Name #2: \_\_\_\_\_

Owner: \_\_\_\_\_

Value: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Contract Manager: \_\_\_\_\_

Owner's Reference Name & Phone #: \_\_\_\_\_

Contract Name #3: \_\_\_\_\_

Owner: \_\_\_\_\_

Value: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Contract Manager: \_\_\_\_\_

Owner's Reference Name & Phone #: \_\_\_\_\_

Contract Name #4: \_\_\_\_\_

Owner: \_\_\_\_\_

Value: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Contract Manager: \_\_\_\_\_

Owner's Reference Name & Phone #: \_\_\_\_\_

Contract Name #5: \_\_\_\_\_

Owner: \_\_\_\_\_

Value: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Contract Manager: \_\_\_\_\_

Owner's Reference Name & Phone #: \_\_\_\_\_

10. Name of Bidder's proposed contract manager for this project:

MARCO JAIMEZ



EXHIBIT A

# **KING SOLUTION SERVICES, LLC**

**15013 LILLJA RD 3 HOUSTON, TEXAS 77060 PH: 281-732-2014**

## **REFERENCE LIST**

PROJECT	OWNER	AMOUNT	COMPLETION DATE
SANITARY SEWER REPAIR ON RED RIVER DRIVE	VAN DE WIELE & VOGLER INC 2925 BRIARPARK DR STE 275 HOUSTON, TEXAS 77042	\$60,238.00	CURRENT
8" PUBLIC SANITARY SEWER EXTENSION TO SERVE F.M 1960 AUTOPLEX AND MOS BBQ	JONES & CARTER, INC 8701 NEW TRAILS DR STE 200 THE WOODLANDS TX 77381 832-302-4039	56,049.00	COMPLETED 03/16/2017
MISSION BEND / LAKE COLONY 8"-12"SEWER REHABILITATION	CRUZ TEC INC 12506 ANN LANE HOUSTON, TEXAS 77064 408-367-9786	\$405,000.00	COMPLETED 02/04/2017
WASTEWATER IMPROVEMENTS SEWER REHAB PIPEBURSTING	CRUZ TEC INC 12506 ANN LANE HOUSTON, TEXAS 77064 408-367-9786	\$252,092.50	COMPLETED 03/05/2017
SANITARY SEWER PHASE 67 REHABILITATION	NORTH HOUSOTN POLE 850 ALDINE MAIL RT HOUSTON, TEXAS 77037 713-299-2915	\$406,306.00	CURRENT
HILL STREET TO GOSPEL HILL SEWER REALIGNMENT PROJECT-#16-10-02	CITY OF HUNTSVILLE 1212 AVENUE M HUNTSVILLE, TEXAS 77320 936-294-5794	\$83,008.00	COMPLETED 02/17/2017
CITY OF RICHWOOD SANITARY SEWER LINE REPAIR RIH.007	CITY OF RICHWOOD 1800 N BRAZOSPORT BLVD RICHWOOD TX 77531 979-292-9386	\$131,020.00	COMPLETED 10/07/2016
CITY OF SACHSE SS-13-03 3 <sup>RD</sup> STREET SEWER REHABILITATION	CITY OF SACHSE 3815-B SACHSE RD SACHSE, TEXAS 75048 972-495-7600	\$80,782.00	COMPLETED 08/13/2016
NORTH SIDE DRAINAGE IMPROVEMENTS PROJECT PHASE 1	CITY OF SINTON 301 East Market Street Sinton, TX 78387 361-883-1984	\$95,913.08	COMPLETED 08/06/2016
CITY OF HOUSTON 4235-76 SANITARY SEWER REHABILITATION PROJECT	NORTH HOUSTON POLE 850 ALDINE MAIL RT 713-299-2915	\$325,000	CURRENT



EXHIBIT A

# **KING SOLUTION SERVICES, LLC**

**15013 LILJA RD 3 HOUSTON, TEXAS 77060 PH: 281-732-2014**

## **REFERENCE LIST**

PRIVATE DRAINAGE EXTENSION	SOUTHERN CALIFORNIA VALVE 3521 FM 646 409-935-9906	\$180,000	COMPLETED 09/12/2016
GALVESTON COUNTY WCID NO.8 SEWER LINE REHABILITATION SAK CONSTRUCTION	CITY OF SANTA FE 12148 15 <sup>TH</sup> ST SANTA FE, TEXAS 77510 409-750-2445	\$476,000	COMPLETED 05/2016
MUNICIPAL UTILITIES	CITY OF KATY 5454 FRANZ KATY TX 77493 281-391-4820	\$135,000	COMPLETED 04/2016
MUNICIPAL UTILITIES	WATER DISTRICT MANAGEMENT 17707 OLD LOUETTA 281-734-6319	\$321,000	CURRENT
PRIVATE WORK UTILITIES	CHAMPS WATER DISTRICT	\$45,000	COMPLETED 01/2016
CITY OF HOUSTON SANITARY SEWER REHABILITATION PROJECT	GRAVA LLC	\$305,000	COMPLETED 04/2016

EXHIBIT A

11. List any subcontractors bidder proposes to use on the City's project that will comprise at least 10% of the total operational cost. Use additional page if necessary. This information is considered preliminary and may be revised prior if proposal is awarded and re-submitted during the negotiation phase. However, it is expressly understood that the use of any subcontractor other than those listed herein shall require written approval from the City of Duncanville. Failure to submit the information as required may result in a disqualification of your bid.

- (1) Subcontractor Name: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Trade or Service to Be Provided: \_\_\_\_\_  
Estimated Percentage of Overall Cost: \_\_\_\_\_
  
- (2) Subcontractor Name: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Trade or Service to Be Provided: \_\_\_\_\_  
Estimated Percentage of Overall Cost: \_\_\_\_\_
  
- (3) Subcontractor Name: \_\_\_\_\_  
City/State: \_\_\_\_\_  
Trade or Service to Be Provided: \_\_\_\_\_  
Estimated Percentage of Overall Cost: \_\_\_\_\_

**SCHEDULE OF MAJOR MATERIALS - SUPPLIERS**

- a. Reinforcing Steel \_\_\_\_\_
- b. Concrete \_\_\_\_\_
- c. Asphalt \_\_\_\_\_
- d. Pipe HD Supply \_\_\_\_\_

## EXHIBIT A

### TIME FOR COMPLETION

The Contractor shall begin the work as specified in the work order and agrees to substantially complete the work within 60 calendar days as specified in the work order.

### DECLARATIONS

Bidder, by signing this bid proposal, declares:

- that the only person or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm or corporation; that he has carefully examined the form of contract, specifications, and the drawings therein referred to and has carefully examined the locations, conditions, and classes of materials of the proposed work, and agrees that he will provide all necessary labor, machinery, tools, apparatus, and other items incidental to construction, and will do all the work called for in the contract and specifications in the manner prescribed therein and according to the requirements of the Engineer and therein set forth.
- it is understood that the following quantities of work to be done at unit prices are approximate only, and are intended principally to serve as a guide in evaluating bids. Payment for such items will be made on the basis of the actual quantity incorporated in the work.
- that the quantities of work to be done at unit prices and material to be furnished may be increased or diminished as may be considered necessary, in the opinion of the Engineer, to complete the work fully as planned and contemplated, and that all quantities of work, whether increased or decreased are to be performed at the unit prices set forth below except as provided in the specifications. Any item necessary but not specifically listed will be considered incidental work to the various bid items shown and will not be paid for separately.
- upon written acceptance of this bid, mailed or otherwise, furnished within 90 calendar days after the date of opening of bids, he will, within 10 calendar days after receipt of the prescribed forms, execute the Standard Form of Agreement, and give performance, payment and maintenance bonds, on Standard Forms with good and sufficient surety.
- that the bid security accompanying this proposal will be returned to the bidder upon request, unless in case of the acceptance of the proposal the bidder shall fail to execute a contract and file performance and payment bonds within ten (10) days after its acceptance, in which case the bid security shall become the property of the Owner, and shall be considered as payment for damages due to delay and other inconveniences suffered by the Owner on account of such failure of the bidder. It is understood that the Owner reserves the right to reject any and all bids.
- that lump sum prices may be increased to cover additional work ordered by the Engineer, but not shown on the plans or required by the specifications, in accordance with the provisions of the General Conditions. Similarly, they may be decreased to cover deletion of work so ordered.

## EXHIBIT A

- that bidder, upon request, will separate each item bid into sub-prices within ten (10) days after request, which include:
  1. Materials to be incorporated into the projects, hereafter called "Materials".
  2. Labor, overhead, profit, equipment rental, materials not to be incorporated into the project, etc.
- that bidder will comply with the Immigration Reform & Control Act of 1986.
- that bidder will furnish a performance bond and a payment bond for the full amount of the contract, to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until the final completion and acceptance and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.
- that bidder will perform the work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications and to the satisfaction of the Owner and the Engineer.
- that the bid prices contained in this proposal have been carefully checked and are submitted as correct and final. Bidder acknowledges that quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents.
- that bidder will comply with The American with Disabilities Act of 1990.
- that bidder acknowledges full understanding of the "Standard Specifications for Public Works Construction, latest edition, as published by the North Central Texas Council of Governments".
- that bidder proposes and agrees to perform all work of whatever nature required, in strict accordance with the plans and specifications, for the sum or prices on the following bid sheets, to wit:

EXHIBIT A

IFB 17-45 BID SHEET

ITEM	BID QTY	UNIT	DESCRIPTION	UNIT PRICE	EXTENSION
1	1070	LF	For Pipebursting 6" to 8" Sanitary Sewer With PE4710 Resin SDR 17 Gray IPS HDPE Pipe	\$ 42.00	\$ 44,940
2	25	EA	For Removal and Replacement of Lateral Service Connections by Pipebursting and Installation of Double Cleanouts	\$ 860.00	\$ 21,500
3	2	EA	For Furnishing and Installing 4' Diameter Manholes, 0' to 6', Including Removal of Existing MH	\$ 6,200	\$ 12,400
4	1070	LF	For Post-Construction CCTV of Sanitary Sewer Main Line and Laterals	\$ 3.00	\$ 3,210
5	1	LS	For Clearing Easement Prior to Construction	\$ 3,000	\$ 3,000
6	250	LF	For Construction of Point Repairs to Remove Major Sags by Open Cut Methods	\$ 25.00	\$ 6,250
7	1	LS	For Re-Vegetation of Disturbed Areas In Alleys By Seeding With Bermuda Grass	\$ 4,000	\$ 4,000
8	10	CY	For 2000 psi Concrete as Directed by Owner	\$ 125.00	\$ 1,250.00
9	1	LS	For Providing Trench Safety Program	\$ 1,500	\$ 1,500.00
10	250	LF	For Implementing Trench Safety Program	\$ 1.00	\$ 250.00
11	100	LF	For Furnishing and Installing Additional Length for Service Laterals	\$ 45.00	\$ 4,500
12	1	LS	Furnish and Install Project Sign (See Detail)	\$ 2,500	\$ 2,500.00

LUMP SUM TOTAL

\$105,300

LUMP SUM TOTAL IN WORDS: One hundred and five thousand three hundred dollars

## EXHIBIT A

### MEASUREMENT AND PAYMENT FOR BID ITEMS

**1. For Pipebursting 6" to 8" (and 8" to 8") Sanitary Sewer With PE4710 Resin SDR 17 Gray IPS HDPE Pipe** Measurement and payment for Pipebursting shall be on a Linear Foot basis measured horizontally along the centerline of the main from center of manhole to center of manhole. Payment shall cover all costs for a complete and functioning structure including labor, materials, and equipment including site preparation, cleaning and flushing of existing line, protection of existing conditions during construction, implementation of traffic control plans and devices, repairs to existing manhole liners, excavation and backfill, bypass pumping, replacement pipe, testing and equipment for bursting host pipe and insertion of replacement pipe, re-connection of service laterals, post-construction CCTV, post-construction testing, concrete and flowable fill for lateral connections, modifying existing manhole channel, reconnecting to existing manholes, temporary fencing if required, temporary relocation of existing fence if required, restoration or replacement of all damaged utilities, pavement, curb, sidewalk, gutter, shrubbery, fence, sod or other disturbed surfaces to a condition equal or better than prior to construction activities. This bid item also includes all other items of work shown in the project plans and specifications which are not specifically listed for payment under any other bid item.

**2. For Removal and Replacement of Lateral Service Connections by Pipebursting and Installation of Double Cleanouts** Measurement and payment for Removal and Replacement of Lateral Service Connections with Double Cleanouts shall be for Each new lateral installed with double cleanout. Payment shall cover all costs for a complete and functioning service lateral including labor, materials, and equipment, including site preparation, protection of existing conditions during construction, implementation of traffic control plans and devices, excavation and backfill, testing and equipment for bursting host pipe and insertion of replacement pipe, re-connection of service laterals, post-construction CCTV, post-construction testing, reconnecting to existing laterals, temporary fencing if required, temporary relocation of existing fence if required, restoration or replacement of all damaged utilities, pavement, curb, sidewalk, gutter, shrubbery, fence, sod or other disturbed surfaces to a condition equal or better than prior to construction activities and incidental items to install and extend service laterals with double cleanouts complete in place. Quantity shall include a lateral length of up to 7.5' measured horizontally on the surface from the centerline of the sewer main to the centerline of the double cleanout and in accordance with the project plans and specifications.

**3. For Furnishing and Installing new 4' Diameter Manholes, 0' to 6', Including Removal of Existing Manhole** Measurement and payment for furnishing new 4' Diameter Manholes shall be for Each new sanitary sewer manhole. Payment includes new unlined manhole, outside drop connections, labor, excavation and backfill, castings, reinforcing steel, concrete, materials, installation or restoration of manhole bench and channel as required. It shall also include appurtenances and all incidental items required to install this item complete in place per the project plans and specifications.

**4. For Post-Construction CCTV of Sanitary Sewer Main Line and Laterals** Measurement and payment for Post-Construction CCTV inspection of the Sewer Main Line and Laterals shall be by Linear Foot. Payment to include but not be limited to cleaning, flushing, removing obstructions and protrusions, hydraulically "rounding" the pipe if required, removal of debris, removal of protrusions, CCTV operations, equipment, training, data logging, retrieving lost tools, video records and reports to complete this item in accordance with the project plans and specifications.



## EXHIBIT A

**5. For Clearing Alleys Prior to Construction** Measurement and payment shall be per Lump Sum to include but not be limited to, clearing, grubbing, trimming or other preparation for removal; removal and hauling of debris, to include dump fees; and traffic control.

**6. For Construction of Point Repairs to Remove Major Sags by Open Cut Methods** Measurement and payment for Point Repairs by Open Cut Methods shall be by the Linear Foot measured along the centerline of the pipe from center of manhole to center of manhole. Payment includes all labor, equipment and materials, excavation and backfill, bypass pumping, thermal butt fusion, testing and equipment, removal and disposal of defective host pipe, replacement pipe for defective host pipe, re-connecting laterals, post-construction CCTV and restoration of the disturbed area as required to install this item complete in place and per the project plans and specifications.

**7. For Re-Vegetation of Disturbed Areas In Alleys By Seeding With Bermuda Grass** Measurement and payment of Re-Vegetation of Disturbed Areas In Alleys By Seeding With Bermuda Grass shall be per Lump Sum. Payment to include but not be limited to all labor materials and incidentals for preparation of smooth and level surface, restoration of existing lines and grades, providing and installing topsoil in excavated areas, compaction, removal and disposal of all exposed rock and debris 1" or larger by raking, seeding and reseeded, weed control, watering, reseeded if required and appurtenances complete in place. Payment shall be half of the amount bid for this item after completing initial application of seed and fertilizer. Payment for the remainder of the bid item shall be once the area has achieved ninety percent coverage of Bermuda grass. Contractor shall be responsible for maintenance of alleys while construction activities are ongoing including maintaining access for franchise utility owners.

**8. For 2000 psi Concrete as Directed by Owner** Measurement and payment for 2000 psi Concrete As Directed by Owner shall be per Cubic Yard. Payment to include but not be limited to loading, hauling and placing concrete backfill as directed by the Owner including labor, materials, and incidentals complete in place.

**9. For Providing Trench Safety Program** to include but not limited to, plans and specifications, signed and sealed by a registered Texas professional engineer, engineering analysis, and site inspections. Measurement and Payment shall be by Lump Sum.

**10. For Implementing Trench Safety Program** to include but not limited to, competent persons to perform daily inspection, safety features to include operating, maintaining and adjusting safety features, processes and equipment as outlined in the trench safety design, and other labor and materials necessary to complete a properly functioning system. Measurement and Payment shall be per the Linear Foot measured on the surface from manhole to manhole.

**11. For Furnishing and Installing Additional Length for Service Laterals** Measurement and payment for Furnishing and Installing Additional Length for Service Laterals shall be measured per Linear Foot. Payment shall cover all costs for a complete and functioning service lateral including labor, materials, and equipment, including site preparation, protection of existing conditions during construction, implementation of traffic control plans and devices, excavation and backfill, testing and equipment for bursting host pipe and insertion of replacement pipe, re-connection of service laterals, post-construction CCTV, post-construction testing, reconnecting to existing laterals, temporary fencing if required, temporary relocation of existing fence if required, restoration or replacement of all damaged utilities, pavement, curb, sidewalk, gutter, shrubbery, fence, sod or other disturbed surfaces to a condition equal or better than prior to construction activities and incidental items to install and extend service laterals with double

## EXHIBIT A

cleanouts complete in place. Quantity shall be measured beginning a distance 7.5' from the centerline of the sewer main to the centerline of the double cleanout as measured horizontally on the surface and in accordance with the project plans and specifications.

**12. For Furnishing and Installing Project Sign** Measurement and payment for furnishing and installing Project Sign shall be by Lump Sum. Payment to include but not be limited to sign materials, paint, wood, printing, sign creation, installation, moving sign and appurtenances. See detail.