

# H-GAC

Houston-Galveston Area Council  
P.O. Box 22777 · 3555 Timmons · Houston, Texas 77227-2777

Cooperative Agreement - Vortex Companies, LLC - Public Services - 18-00382

18-00382

## **SPECIAL PROVISIONS**

Incorporated by attachment, as part of the whole agreement, H-GAC and the Contractor do, hereby agree to the Special Provisions as follows:

### **ARTICLE 1: BIDS/PROPOSALS INCORPORATED**

In addition to the whole Agreement, the following documents listed in order of priority are incorporated into the Agreement by reference: Bid/Proposal Specifications and Contractor's Response to the Bid/Proposal.

### **ARTICLE 2: END USER AGREEMENTS ("EUA")**

**H-GAC** acknowledges that the **END USER** may choose to enter into an End User Agreement ("EUA") with the **Contractor** through this Agreement, and that the term of the EUA may exceed the term of the current **H-GAC** Agreement. **H-GAC's** acknowledgement is not an endorsement or approval of the End User Agreement's terms and conditions. **Contractor** agrees not to offer, agree to or accept from the **END USER**, any terms or conditions that conflict with those in **Contractor's** Agreement with **H-GAC**. **Contractor** affirms that termination of its Agreement with **H-GAC** for any reason shall not result in the termination of any underlying EUA, which shall in each instance, continue pursuant to the EUA's stated terms and duration. Pursuant to the terms of this Agreement, termination of this Agreement will disallow the **Contractor** from entering into any new EUA with **END USERS**. Applicable **H-GAC** order processing charges will be due and payable to **H-GAC** on any EUAs, surviving termination of this Agreement between **H-GAC** and **Contractor**.

### **ARTICLE 3: MOST FAVORED CUSTOMER CLAUSE**

**Contractor** shall provide its most favorable pricing and terms to **H-GAC**. If at any time during this Agreement, **Contractor** develops a regularly followed standard procedure of entering into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to **H-GAC** on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to **H-GAC**, **Contractor** shall notify **H-GAC** within ten (10) business days thereafter, and this Agreement shall be deemed to be automatically retroactively amended, to the effective date of **Contractor's** most favorable past agreement with another entity. **Contractor** shall provide the same prices, warranties, benefits, or terms to **H-GAC** and its **END USER** as provided in its most favorable past agreement. **H-GAC** shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If **Contractor** claims that a more favorable price, warranty, benefit, or term that was charged or offered to another entity during the term of this Agreement, does not constitute more favorable treatment, than **Contractor** shall, within ten (10) business days, notify **H-GAC** in writing, setting forth the detailed reasons **Contractor** believes the aforesaid offer is not in fact most favored treatment. **H-GAC**, after due consideration of **Contractor's** written explanation, may decline to accept such explanation and thereupon this Agreement between **H-GAC** and **Contractor** shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties,

benefits, or terms to H-GAC and the END USER.

***EXCEPTION:** This clause shall not be applicable to prices and price adjustments offered by a bidder, Proposer or contractor, which are not within bidder's/proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.*

#### **ARTICLE 4: PARTY LIABILITY**

Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to the price of the particular products/services sold hereunder. Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. Contractor accepts liability to repay, and shall repay upon demand to END USER, any amounts determined by H-GAC, its independent auditors, or any state or federal agency, to have been paid in violation of the terms of this Agreement.

#### **ARTICLE 5: GOVERNING LAW & VENUE**

Contractor and H-GAC agree that Contractor will make every reasonable effort to resolve disputes the END USER in accord with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

#### **ARTICLE 6: SALES AND ORDER PROCESSING CHARGE**

Contractor shall sell its products to END USERS based on the pricing and terms of this Agreement. H-GAC will invoice Contractor for the applicable order processing charge when H-GAC receives notification of an END USER order. Contractor shall remit to H-GAC the full amount of the applicable order processing charge, after delivery of any product or service and subsequent END USER acceptance. Payment of the Order Processing Charge shall be remitted from Contractor to H-GAC, within thirty (30) calendar days or ten (10) business days after receipt of an END USER's payment, whichever comes first, notwithstanding Contractor's receipt of invoice. For sales made by Contractor based on this Agreement, including sales to entities without Interlocal Agreements, Contractor shall pay the applicable order processing charges to H-GAC. Further, Contractor agrees to encourage entities who are not members of H-GAC's Cooperative Purchasing Program to execute an H-GAC Interlocal Agreement. H-GAC reserves the right to take appropriate actions including, but not limited to, Agreement termination if Contractor fails to promptly remit the appropriate order processing charge to H-GAC. In no event shall H-GAC have any liability to Contractor for any goods or services an END USER procures from Contractor. At all times, Contractor shall remain liable to pay to H-GAC any order processing charges on any portion of the Agreement actually performed, and for which compensation was received by Contractor.

#### **ARTICLE 7: LIQUIDATED DAMAGES**

Contractor and H-GAC agree that Contractor shall cooperate with the END USER at the time an END USER purchase order is placed, to determine terms for any liquidated damages.

#### **ARTICLE 8: INSURANCE**

Unless otherwise stipulated in Section B of the Bid/Proposal Specifications, Contractor must have the following insurance and coverage minimums:

- a. **General liability** insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General

Aggregate limit of at least two times the Single Occurrence limit.

**Product liability** insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit for all Products except Automotive Fire Apparatus. For Automotive Fire Apparatus, see Section B of the Bid/Proposal Specifications.

**Property Damage or Destruction** insurance is required for coverage of **End User** owned equipment while in **Contractor's** possession, custody or control. The minimum Single Occurrence limit is \$500,000.00 and the General Aggregate limit must be at least two times the Single Occurrence limit. This insurance may be carried in several ways, e.g. under an Inland Marine policy, as art of Automobile coverage, or under a Garage Keepers policy. In any event, this coverage must be specifically and clearly listed on insurance certificate(s) submitted to **H-GAC**.

- b. Insurance coverage shall be in effect for the length of any contract made pursuant to the Bid/Proposal, and for any extensions thereof, plus the number of days/months required to *deliver* any outstanding order after the close of the contract period.
- c. Original Insurance Certificates must be furnished to **H-GAC** on request, showing **Contractor** as the insured and showing coverage and limits for the insurances listed above.
- d. If any Product(s) or Service(s) will be provided by parties other than **Contractor**, all such parties are required to carry the minimum insurance coverages specified herein, and if requested by **H-GAC**, a separate insurance certificate must be submitted for each such party.
- e. **H-GAC** reserves the right to contact insurance underwriters to confirm policy and certificate issuance and document accuracy.

#### **ARTICLE 9: PERFORMANCE AND PAYMENT BONDS FOR INDIVIDUAL ORDERS**

**H-GAC's** contractual requirements DO NOT include a Performance & Payment Bond (PPB); therefore, **Contractor** shall offer pricing that reflects this cost savings. **Contractor** shall remain prepared to offer a PPB to cover any order if so requested by the **END USER**. **Contractor** shall quote a price to **END USER** for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of **END USER's** purchase order.

#### **ARTICLE 10: CHANGE OF STATUS**

**Contractor** shall immediately notify **H-GAC**, in writing, of **ANY** change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name. **Contractor** shall offer written guidance to advise **H-GAC** if this Agreement shall be affected in any way by such change. **H-GAC** shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Agreement.

#### **ARTICLE 11: TEXAS MOTOR VEHICLE BOARD LICENSING**

All that deal in motor vehicles shall maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Agreement term, any required **Contractor** license is denied, revoked, or not renewed, **Contractor** shall be in default of this Agreement, unless the Texas Motor Vehicle

Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to **H-GAC** upon request.

# H-GAC

Houston-Galveston Area Council  
P.O. Box 22777 · 3555 Timmons · Houston, Texas 77227-2777

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## GENERAL PROVISIONS

This Agreement is made and entered into, by and between the Houston-Galveston Area Council hereinafter referred to as H-GAC having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027 and Vortex Companies, LLC, hereinafter referred to as the Contractor, having its principal place of business at 18150 Imperial Valley Drive, Houston, TX 77060.

WITNESSETH:

WHEREAS, H-GAC hereby engages the Contractor to perform certain services in accordance with the specifications of the Agreement; and

WHEREAS, the Contractor has agreed to perform such services in accordance with the specifications of the Agreement;

NOW, THEREFORE, H-GAC and the Contractor do hereby agree as follows:

### ARTICLE 1: LEGAL AUTHORITY

The Contractor warrants and assures H-GAC that it possesses adequate legal authority to enter into this Agreement. The Contractor's governing body, where applicable, has authorized the signatory official(s) to enter into this Agreement and bind the Contractor to the terms of this Agreement and any subsequent amendments hereto.

### ARTICLE 2: APPLICABLE LAWS

The Contractor agrees to conduct all activities under this Agreement in accordance with all applicable rules, regulations, directives, standards, ordinances, and laws, in effect or promulgated during the term of this Agreement, including without limitation, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. When required, the Contractor shall furnish H-GAC with satisfactory proof of its compliance therewith.

### ARTICLE 3: INDEPENDENT CONTRACTOR

The execution of this Agreement and the rendering of services prescribed by this Agreement do not change the independent status of H-GAC or the Contractor. No provision of this Agreement or act of H-GAC in performance of the Agreement shall be construed as making the Contractor the agent, servant or employee of H-GAC, the State of Texas or the United States Government. Employees of the Contractor are subject to the exclusive control and supervision of the Contractor. The Contractor is solely responsible for employee related disputes and discrepancies, including employee payrolls and any claims arising therefrom.

### ARTICLE 4: WHOLE AGREEMENT

The General Provisions, Special Provisions, and Attachments, as provided herein, constitute the complete Agreement ("Agreement") between the parties hereto, and supersede any and all oral and written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Agreement cannot be modified without written consent of the parties.

**ARTICLE 5: SCOPE OF SERVICES**

The services to be performed by the Contractor are outlined in an Attachment to this Agreement.

**ARTICLE 6: PERFORMANCE PERIOD**

This Agreement shall be performed during the period which begins 07/01/18 and ends 06/30/21. All services under this Agreement must be rendered within this performance period, unless directly specified under a written change or extension provisioned under Article 15, which shall be fully executed by both parties to this Agreement.

**ARTICLE 7: PAYMENT OR FUNDING**

Payment provisions under this Agreement are outlined in the Special Provisions.

**ARTICLE 8: REPORTING REQUIREMENTS**

If the Contractor fails to submit to H-GAC in a timely and satisfactory manner any report required by this Agreement, or otherwise fails to satisfactorily render performances hereunder, H-GAC may terminate this agreement with notice as identified in Article 16 of these General Provisions. H-GAC has final determination of the adequacy of performance and reporting by Contractor. Termination of this agreement for failure to perform may affect Contractor's ability to participate in future opportunities with H-GAC. The Contractor's failure to timely submit any report may also be considered cause for termination of this Agreement.

Any additional reporting requirements shall be set forth in the Special Provisions of this Agreement.

**ARTICLE 9: INSURANCE**

Contractor shall maintain insurance coverage for work performed or services rendered under this Agreement as outlined and defined in the attached Special Provisions.

**ARTICLE 10: SUBCONTRACTS and ASSIGNMENTS**

Except as may be set forth in the Special Provisions, the Contractor agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Agreement or any right, title, obligation or interest it may have therein to any third party without prior written approval of H-GAC. The Contractor acknowledges that H-GAC is not liable to any subcontractor or assignee of the Contractor. The Contractor shall ensure that the performance rendered under all subcontracts shall result in compliance with all the terms and provisions of this Agreement as if the performance rendered was rendered by the Contractor. Contractor shall give all required notices, and comply with all laws and regulations applicable to furnishing and performance of the work. Except where otherwise expressly required by applicable law or regulation, H-GAC shall not be responsible for monitoring Contractor's compliance, or that of Contractor's subcontractors, with any laws or regulations.

**ARTICLE 11: AUDIT**

Notwithstanding any other audit requirement, H-GAC reserves the right to conduct or cause to be conducted an independent audit of any transaction under this Agreement, such audit may be performed by the H-GAC local government audit staff, a certified public accountant firm, or other auditors designated by H-GAC and will be conducted in accordance with applicable professional standards and practices. The Contractor understands and agrees that the Contractor shall be liable to the H-GAC for any findings that result in monetary obligations to H-GAC.

**ARTICLE 12: EXAMINATION OF RECORDS**

The Contractor shall maintain during the course of the work complete and accurate records of all of the Contractor's costs and documentation of items which are chargeable to H-GAC under this Agreement. H-GAC, through its staff or designated public accounting firm, the State of Texas, and United States

Government, shall have the right at any reasonable time to inspect, copy and audit those records on or off the premises by authorized representatives of its own or any public accounting firm selected by H-GAC. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. Failure to provide access to records may be cause for termination of the Agreement. The records to be thus maintained and retained by the Contractor shall include (without limitation): (1) personnel and payroll records, including social security numbers and labor classifications, accounting for total time distribution of the Contractor's employees working full or part time on the work, as well as cancelled payroll checks, signed receipts for payroll payments in cash, or other evidence of disbursement of payroll payments; (2) invoices for purchases, receiving and issuing documents, and all other unit inventory records for the Contractor's stocks or capital items; and (3) paid invoices and cancelled checks for materials purchased and for subcontractors' and any other third parties' charges.

The Contractor further agrees that the examination of records outlined in this article shall be included in all subcontractor or third-party agreements.

#### **ARTICLE 13: RETENTION OF RECORDS**

The Contractor and its subcontractors shall maintain all records pertinent to this Agreement, and all other financial, statistical, property, participant records, and supporting documentation for a period of no less than seven (7) years from the later of the date of acceptance of the final payment or until all audit findings have been resolved. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the retention period, the records shall be retained until completion of the action and resolution of all issues which arise from it, or until the end of the seven (7) years, whichever is later, and until any outstanding litigation, audit, or claim has been fully resolved.

#### **ARTICLE 14: CHANGES AND AMENDMENTS**

- A. Any alterations, additions, or deletions to the terms of this Agreement, which are required by changes in federal or state law or by regulations, are automatically incorporated without written amendment hereto, and shall become effective on the date designated by such law or by regulation.
- B. To ensure the legal and effective performance of this Agreement, both parties agree that any amendment that affects the performance under this Agreement must be mutually agreed upon and that all such amendments must be in writing. After a period of no less than 30 days subsequent to written notice, unless sooner implementation is required by law, such amendments shall have the effect of qualifying the terms of this Agreement and shall be binding upon the parties as if written herein.

#### **ARTICLE 15: TERMINATION PROCEDURES**

The Contractor acknowledges that this Agreement may be terminated for Convenience or Default.

- A. *Convenience*  
H-GAC may terminate this Agreement at any time, in whole or in part, with or without cause, whenever H-GAC determines that for any reason such termination is in the best interest of H-GAC, by providing written notice by certified mail to the Contractor. Upon receipt of notice of termination, all services hereunder of the Contractor and its employees and subcontractors shall cease to the extent specified in the notice of termination.

The Contractor may cancel or terminate this Agreement upon submission of thirty (30) days written notice, presented to H-GAC via certified mail. The Contractor may not give notice of cancellation after it has received notice of default from H-GAC.

- B. *Default*

H-GAC may, by written notice of default to the Contractor, terminate the whole or any part of the Agreement, in any one of the following circumstances:

- (1) If the Contractor fails to perform the services herein specified within the time specified herein or any extension thereof; or
- (2) If the Contractor fails to perform any of the other provisions of this Agreement for any reason whatsoever, or so fails to make progress or otherwise violates the Agreements that completion of services herein specified within the Agreement term is significantly endangered, and in either of these two instances does not cure such failure within a period often (10) days (or such longer period of time as may be authorized by H-GAC in writing) after receiving written notice by certified mail of default from H-GAC.

#### **ARTICLE 16: SEVERABILITY**

H-GAC and Contractor agree that should any provision of this Agreement be determined to be invalid or unenforceable, such determination shall not affect any other term of this Agreement, which shall continue in full force and effect.

#### **ARTICLE 17: FORCE MAJEURE**

To the extent that either party to this Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident, order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of force majeure shall rest solely with H-GAC.

#### **ARTICLE 18: CONFLICT OF INTEREST**

No officer, member or employee of the Contractor or subcontractor, no member of the governing body of the Contractor, and no other public officials of the Contractor who exercise any functions or responsibilities in the review or Contractor approval of this Agreement, shall participate in any decision relating to this Agreement which affects his or her personal interest, or shall have any personal or pecuniary interest, direct or indirect, in this Agreement.

#### **ARTICLE 19: FEDERAL COMPLIANCE**

Contractor agrees to comply with all federal statutes relating to nondiscrimination, labor standards, and environmental compliance. Additionally, for work to be performed under the Agreement or subcontract thereof, including procurement of materials or leases of equipment, Contractor shall notify each potential subcontractor or supplier of the Contractor's federal compliance obligations. These may include, but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) the Fair Labor Standards Act of 1938 (29 USC 676 et. seq.), (d) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990; (e) the Age Discrimination in Employment Act of 1967 (29 USC 621 et. seq.) and the Age Discrimination Act of 1974, as amended (42 U.S.C. §§ 6101-6107), which prohibits discrimination on the basis of age; (f) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (g) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to the nondiscrimination on the basis of alcohol abuse or alcoholism; (h) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (i) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (j) any other nondiscrimination provisions in any specific statute(s)

applicable to any Federal funding for this Agreement; (k) the requirements of any other nondiscrimination statute(s) which may apply to this Agreement; (l) applicable provisions of the Clean Air Act (42 U.S.C. §7401 et seq.), the Federal Water Pollution Control Act, as amended (33 U.S.C. §1251 et seq.), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and the Environmental Protection Agency regulations at 40 CFR Part 15; (m) applicable provisions of the Davis- Bacon Act (40 U.S.C. 276a - 276a-7), the Copeland Act (40 U.S.C. 276c), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-332), as set forth in Department of Labor Regulations at 20 CFR 5.5a; (n) the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

#### **ARTICLE 20: CRIMINAL PROVISIONS AND SANCTIONS**

The Contractor agrees to perform the Agreement in conformance with safeguards against fraud and abuse as set forth by the H-GAC, the State of Texas, and the acts and regulations of any related state or federal agency. The Contractor agrees to promptly notify H-GAC of any actual or suspected fraud, abuse, or other criminal activity through the filing of a written report within twenty-four (24) hours of knowledge thereof. Contractor shall notify H-GAC of any accident or incident requiring medical attention arising from its activities under this Agreement within twenty-four (24) hours of such occurrence. Theft or willful damage to property on loan to the Contractor from H-GAC, if any, shall be reported to local law enforcement agencies and H-GAC within two (2) hours of discovery of any such act.

The Contractor further agrees to cooperate fully with H-GAC, local law enforcement agencies, the State of Texas, the Federal Bureau of Investigation and any other duly authorized investigative unit, in carrying out a full investigation of all such incidents.

The Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against the Contractor pertaining to this Agreement or which would adversely affect the Contractor's ability to perform services under this Agreement.

#### **ARTICLE 21: INDEMNIFICATION AND RECOVERY**

H-GAC's liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will H-GAC be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless H-GAC, its board members, officers, agents, officials, employees and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgements, and liens arising as a result of Contractor's negligent act or omission under this Agreement. Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against Contractor relating to this Agreement.

#### **ARTICLE 22: LIMITATION OF CONTRACTOR'S LIABILITY**

Except as specified in any separate writing between the Contractor and an END USER, Contractor's total liability under this Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify H-GAC, is limited to the price of the particular products/services sold hereunder, and Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will Contractor be liable for any loss of use, loss of time, inconvenience, commercial loss, loss of profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor understands and agrees that it shall be liable to repay and shall repay upon demand to

END USER any amounts determined by H-GAC, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Agreement.

**ARTICLE 23: TITLES NOT RESTRICTIVE**

The titles assigned to the various Articles of this Agreement are for convenience only. Titles shall not be considered restrictive of the subject matter of any Article, or part of this Agreement.

**ARTICLE 24: JOINT WORK PRODUCT**

This Agreement is the joint work product of H-GAC and the Contractor. This Agreement has been negotiated by H-GAC and the Contractor and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against any party.

**ARTICLE 25: DISPUTES**

All disputes concerning questions of fact or of law arising under this Agreement, which are not addressed within the Whole Agreement as defined pursuant to Article 4 hereof, shall be decided by the Executive Director of H-GAC or his designee, who shall reduce his decision to writing and provide notice thereof to the Contractor. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, the Contractor requests a rehearing from the Executive Director of H-GAC. In connection with any rehearing under this Article, the Contractor shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. The Contractor may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Agreement and in accordance with H- GAC's final decision.

**ARTICLE 26: CHOICE OF LAW: VENUE**

This Agreement shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with the Agreement shall lie exclusively in Harris County, Texas. Disputes between END USER and Contractor are to be resolved in accordance with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

**ARTICLE 27: ORDER OF PRIORITY**

In the case of any conflict between or within this Agreement, the following order of priority shall be utilized: 1) General Provisions, 2) Special Provisions, 3) Scope of Work, and, 4) Other Attachments.

**SIGNATURES:**

H-GAC and the Contractor have read, agreed, and executed the whole Agreement as of the date first written above, as accepted by:

**Vortex Companies, LLC**

Signature   
B7EF48F41231484...

Name Nicholas Banchetti

Title COO

Date 6/25/2018

**H-GAC** DocuSigned by:

Signature   
82EC270D5D61423...

Name Chuck Wemple

Title Executive Director

Date 6/15/2018

Attachment A Vortex Companies, LLC Trenchless Pipeline Rehabilitation Services Contract No.: TP07-18			
Item #	Unit	Pay Item Description	Price
<b>A. Clean/TV and Evaluation for Gravity Pipelines</b>			
A1	LF	Sewer Main Television Inspection (8" through 15" Diameter)	4.00
A2	LF	Sewer Main Television Inspection (18" through 24" Diameter)	6.00
A3	LF	Sewer Main Television Inspection (27" through 36" Diameter)	8.00
A4	LF	Sewer Main Television Inspection (42" through 48" Diameter)	12.00
A5	LF	Sewer Main Television Inspection (54" through 60" Diameter)	14.00
A6	LF	Sewer Main Television Inspection (66" through 72" Diameter)	22.00
A7	LF	Sewer Main Television Inspection (78" through 90" Diameter)	35.00
A8	LF	Sewer Main Television Insepction (96" through 108" Diameter)	40.00
A9	LF	Sewer Main Cleaning - Normal (8" through 15" Diameter)	4.00
A10	LF	Sewer Main Cleaning - Normal (18" through 24" Diameter)	6.00
A11	LF	Sewer Main Cleaning - Normal (27" through 36" Diameter)	8.00
A12	LF	Sewer Main Cleaning - Normal (42" through 48" Diameter)	12.00
A13	LF	Sewer Main Cleaning - Normal (54" through 60" Diameter)	14.00
A14	LF	Sewer Main Cleaning - Normal (66" through 72" Diameter)	22.00
A15	LF	Sewer Main Cleaning - Normal (78" through 90" Diameter)	35.00
A16	LF	Sewer Main Cleaning - Normal (96" through 108" Diameter)	40.00
A17	LF	Sewer Main Cleaning - Mechanical (8" through 15" Diameter)	6.00
A18	LF	Sewer Main Cleaning - Mechanical (18" through 24" Diameter)	8.00
A19	LF	Sewer Main Cleaning - Mechanical (27" through 36" Diameter)	25.00
A20	LF	Sewer Main Cleaning - Mechanical (42" through 48" Diameter)	35.00
A21	LF	Sewer Main Cleaning - Mechanical (54" through 60" Diameter)	38.00
A22	LF	Sewer Main Cleaning - Mechanical (66" through 72" Diameter)	55.00
A23	LF	Sewer Main Cleaning - Mechanical (78" through 90" Diameter)	80.00
A24	LF	Sewer Main Cleaning - Mechanical (96" through 108" Diameter)	110.00
A25	LF	6" Clean and TV storm sewer	5.52
A26	LF	8" Clean and TV storm sewer	5.52
A27	LF	10" Clean and TV storm sewer	6.90
A28	LF	12" Clean and TV storm sewer	6.90
A29	LF	15" Clean and TV storm sewer	9.66
A30	LF	18" Clean and TV storm sewer	13.80
A31	LF	21" Clean and TV storm sewer	16.56
A32	LF	24" Clean and TV storm sewer	19.32
A33	LF	27" Clean and TV storm sewer	20.70
A34	LF	30" Clean and TV storm sewer	27.60
A35	LF	33" Clean and TV storm sewer	34.50
A36	LF	36" Clean and TV storm sewer	41.40
A37	LF	42" Clean and TV storm sewer	55.20
A38	LF	48" Clean and TV storm sewer	69.00
A39	LF	54" Clean and TV storm sewer	82.80
A40	LF	60" Clean and TV storm sewer	100.00
A41	LF	66" Clean and TV storm sewer	115.00
A42	LF	72" Clean and TV storm sewer	130.00
A43	LF	78" Clean and TV storm sewer	145.00
A44	LF	84" Clean and TV storm sewer	160.00
A45	LF	90" Clean and TV storm sewer	175.00
A46	LF	96" Clean and TV storm sewer	190.00
A47	LF	102" Clean and TV storm sewer	205.00
A48	LF	108" Clean and TV storm sewer	220.00
A49	LF	114" Clean and TV storm sewer	235.00
A50	LF	Greater than 114" Clean and TV storm sewer	250.00
A51	LF	6" - 12" Post TV Inspection After Rehabilitation	5.00
A52	LF	14" - 20" Post TV Inspection After Rehabilitation	5.00
A53	LF	21" - 36" Post TV Inspection After Rehabilitation	9.00
A54	LF	37" - 42" Post TV Inspection After Rehabilitation	12.00
A55	LF	43" - 48" Post TV Inspection After Rehabilitation	22.00
A56	LF	49" - 54" Post TV Inspection After Rehabilitation	32.00
A57	LF	55" - 60" Post TV Inspection After Rehabilitation	42.00
A58	LF	61" - 72" Post TV Inspection After Rehabilitation	52.00
A59	LF	73" or Larger Post TV Inspection After Rehabilitation	62.00
A60	EA	Heavy Lift Station Cleaning (Remove all Debris to Bottom of LS - 4 hr minimum)	4312.00
A61	HR	Major Lift Station Cleaning - Additional Hours	1078.00
A62	EA	Minor Lift Station Cleaning (Skimming Top of LS - 4 hr minimum)	1150.00
A63	HR	Minor Lift Station Cleaning - Additional Hours	287.50
A64	HR	Vactor Truck Services	500.00
A65	YD	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Small)	90.00
A66	YD	Waste Water Treatment Plant Debris Removal/Sludge Hauling (Large)	350.00
A67	EA	Re-setup for TV Due to Point Repairs or Obstructions	300.00
A68	LF	Mechanical Root removal	8.00
A69	LF	Grease removal	3.22
A70	EA	Other Remote Obstruction removal (max. 5 lf)	690.00
A71	LF	Smoke Testing	1.84
A72	EA	Manhole/Cleanout & Sewer Line Visual Inspection	184.00

A73	EA	GPS Survey of Manholes & Cleanouts	400.00
A74	EA	Heavy Debris Removal - MAN ENTRY	250.00
A75	EA	Heavy Debris Removal - LARGE DIAMETER MAN ENTRY	500.00
A76	LF	Heavy Debris Removal - REMOTE ENTRY	1000.00
A77	EA	Dyed Water Flooding/Leak Quantification & Evaluation	322.00
<b>B. Centrifugally Cast Pipe Rehabilitation for Sewer Lines</b>			
B1	LF	36" STORM PIPE - QLS REHABILITATION - 1." Thickness	405.00
B2	LF	42" STORM PIPE - QLS REHABILITATION - 1." Thickness	430.00
B3	LF	48" STORM PIPE - QLS REHABILITATION - 1." Thickness	460.00
B4	LF	54" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	645.00
B5	LF	60" STORM PIPE - QLS CAST REHABILITATION - 1.5" Thickness	678.00
B6	LF	66" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	715.00
B7	LF	72" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	850.00
B8	LF	78" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	925.00
B9	LF	84" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	1075.00
B10	LF	90" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	1200.00
B11	LF	96" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	1500.00
B12	LF	102" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	1800.00
B13	LF	108" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	2300.00
B14	LF	Greater than 108" STORM PIPE - QLS REHABILITATION - 1.5" Thickness	2700.00
B15	SF	NON ROUND SEWER PIPE	55.00
B16	LF	36" SANITARY PIPE - QLS REHABILITATION - 1." Thickness	405.00
B17	LF	42" SANITARY PIPE - QLS REHABILITATION - 1." Thickness	430.00
B18	LF	48" SANITARY PIPE - QLS REHABILITATION - 1" Thickness	460.00
B19	LF	54" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	645.00
B20	LF	60" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	678.00
B21	LF	66" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	715.00
B22	LF	72" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	850.00
B23	LF	78" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	925.00
B24	LF	84" SANITARY PIPE - QLS CAST REHABILITATION - 1.5" Thickness	1075.00
B25	LF	90" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	1200.00
B26	LF	96" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	1500.00
B27	LF	102" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	1800.00
B28	LF	108" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	2300.00
B29	LF	Greater than 108" SANITARY PIPE - QLS REHABILITATION - 1.5" Thickness	2700.00
B30	SF	EACH ADDITIONAL .5" Thickness	15.00
B31	SF(of WWF)	REINFORCEMENT WITH WELDED WIRE FABRIC- 4X4W4	15.00
B32	LF(of Rebar)	REINFORCEMENT WITH REBAR- #3	10.00
B33	LF(of Rebar)	REINFORCEMENT WITH REBAR- #4	20.00
B34	LF(of Rebar)	REINFORCEMENT WITH REBAR- #8	40.00
B35	GALLON	INFILTRATION CONTROL- CHEMICAL GROUT	100.00
B36	PAIL	INFILTRATION CONTROL- QUAD-PLUG	50.00
B37	CF	REBUILD INVERT	75.00
B38	LF	JOINT PREPARATION	20.00
B39	SF	ANTIMICROBIAL APPLICATION	5.00
B40	CY	CHANNEL EXCAVATION	50.00
B41	CY	DEBRIS REMOVAL	65.00
B42	AC	CLEARING AND GRUBBING	4500.00
B43	EACH	TREE REMOVAL (6" - 12")	1500.00
B44	EACH	TREE REMOVAL (13" - 23")	3000.00
B45	EACH	TREE REMOVAL (> 24")	5000.00
B46	EACH	REWORK CATCHBASIN COVER TO ACCEPT NEW MANHOLE COVERS	1200.00
B47	EACH	SERVICE LATERAL REINSTATEMENT - MAN ENTRY	250.00
<b>C. Cured-In-Place Pipe (CIPP) Rehabilitation for Sewer Lines</b>			
C1	LF	6" x 4.5mm STEAM / WATER CURE	36.80
C2	LF	8" x 6.0mm STEAM WATER CURE	34.96
C3	LF	10" x 6.0mm STEAM /WATER CURE	38.64
C4	LF	12" x 6.0mm STEAM /WATER CURE	53.36
C5	LF	15" x 7.5mm STEAM /WATER CURE	64.40
C6	LF	18" x 9.0mm STEAM/WATER CURE	78.20
C7	LF	21" x 9.0mm STEAM/WATER CURE	105.80
C8	LF	24" x 10.5mm STEAM/WATER CURE	128.80
C9	LF	27" x 10.5mm STEAM /WATER CURE	147.20
C10	LF	30" x 12.0mm STEAM /WATER CURE	174.80
C11	LF	33" x 12.0mm STEAM /WATER CURE	207.00
C12	LF	36" x 12.0mm STEAM /WATER CURE	230.00
C13	LF	42" x 13.5mm STEAM/WATER CURE	257.60
C14	LF	48" x 15.0mm STEAM /WATER CURE	432.40
C15	LF	54" x 18.0mm STEAM/WATER CURE	552.00
C16	LF	60" x 22.5mm STEAM /WATER CURE	650.00
C17	LF	6" & 8" Additional 1.5mm	0.92
C18	LF	10" & 12" Additional 1.5mm	4.60
C19	LF	15" & 18" Additional 1.5mm	13.80
C20	LF	21" & 24" Additional 1.5mm	23.00
C21	LF	27" Additional 1.5mm	27.60
C22	LF	30" Additional 1.5mm	32.20
C23	EA	33" Additional 1.5mm	36.80
C24	EA	36" Additional 1.5mm	41.40

C25	EA	42" Additional 1.5mm	46.00
C26	EA	48" Additional 1.5mm	55.20
C27	EA	54" Additional 1.5mm	64.40
C28	EA	60" Additional 1.5mm	75.00
C29	EA	Internal reconnects on Cured-in-place pipe	276.00
C30	LF	6" & 8" Additional .7mm	4.00
C31	LF	10" & 12" Additional .7mm	7.00
C32	LF	15" Additional .7mm	9.00
C33	LF	18" Additional .7mm	10.00
C34	LF	21" Additional .7mm	12.00
C35	LF	24" Additional .7mm	14.00
C36	LF	27" Additional .7mm	15.00
C37	LF	30" Additional .7mm	17.00
C38	LF	33" Additional .7mm	18.00
C39	LF	36" Additional .7mm	20.00
C40	LF	42" Additional .7mm	29.00
C41	LF	48" Additional .7mm	42.00
C42	LF	6"-12" CIPP Set-up Charge	7.00
C43	LF	15"-18" CIPP Set-up Charge	12.00
C44	LF	21"-24" CIPP Set-up Charge	18.00
C45	LF	27"-36" CIPP Set-up Charge	24.00
C46	LF	42"-48" CIPP Set-up Charge	24.00
C47	LF	6" - 12" CIPP Additional Charge Per Install Length (>200')	36.00
C48	LF	15" - 18" CIPP Additional Charge Per Install Length (>200')	42.00
C49	LF	21" - 24" CIPP Additional Charge Per Install Length (>200')	42.00
C50	LF	27" - 36" CIPP Additional Charge Per Install Length (>200')	48.00
C51	LF	42" - 48" CIPP Additional Charge Per Install Length (>200')	54.00
C52	LF	6" to 12" Backyard Easement Additional Set-up Per Install Length	5.00
C53	LF	15" to 24" Backyard Easement Additional Set-up Per Install Length	10.00
C54	LF	27" to 48" Backyard Easement Additional Set-up Per Install Length	15.00
C55	EA	4" Wye Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C56	EA	5" Wye Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C57	EA	6" Wye Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C58	EA	4" Tee Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C59	EA	5" Tee Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C60	EA	6" Tee Top Hat PipePatch Lateral Kit INSTALLED	3000.00
C61	LF	4"-6" Installation and cure of lateral liner from surface clean out to main	5980.00
C62	EA	4"-6" Set-up for installations of <20 each total	4600.00
C63	EA	4"-6" Set-up for installations of 20-50 each total	3220.00
C64	EA	4"-6" Set-up for installations of 51-150 each total	1840.00
C65	EA	6" - 12" CIPP Setup Charge (< 300 LF)	1000.00
C66	EA	15" - 21" CIPP Setup Charge (< 300 LF)	1500.00
C67	EA	24" - 36" CIPP Setup Charge (< 300 LF)	2000.00
C68	EA	36" or Larger CIPP Setup Charge (< 300 LF)	4000.00
C69	EA	Backyard Easement Setup (6" - 10")	2500.00
C70	EA	Backyard Easement Setup (12" - 18")	3500.00
C71	SY	Timber Matting for Large Diameter Setup	75.00
<b>D. Pipe Bursting Rehabilitation for Sewer Lines</b>			
D1	LF	Burst existing 6" to 6" IPS SDR 19 ( 0'- 8' deep)	55.00
D2	LF	Burst existing 6" to 6" IPS SDR 19 ( 8'- 12' deep)	61.00
D3	LF	Burst existing 6" to 6" IPS SDR 19 ( 12'- 16' deep)	66.00
D4	LF	Burst existing 6" or 8" to 8" IPS SDR 19 ( 0'- 8' deep)	63.00
D5	LF	Burst existing 6" or 8" to 8" IPS SDR 19 ( 8'- 12' deep)	66.00
D6	LF	Burst existing 6" or 8" to 8" IPS SDR 19 ( 12'- 16' deep)	70.00
D7	LF	Burst existing 8" or 10" to 10" IPS SDR 19 ( 0'- 8' deep)	72.00
D8	LF	Burst existing 8" or 10" to 10" IPS SDR 19 ( 8'- 12' deep)	78.00
D9	LF	Burst existing 8" or 10" to 10" IPS SDR 19 ( 12'- 16' deep)	83.00
D10	LF	Burst existing 10" or 12" to 12" IPS SDR 19 ( 0'- 8' deep)	81.00
D11	LF	Burst existing 10" or 12" to 12" IPS SDR 19 ( 8'- 12' deep)	85.00
D12	LF	Burst existing 10" or 12" to 12" IPS SDR 19 ( 12'- 16' deep)	90.00
D13	LF	Burst existing 12" or 15" to 16" IPS SDR 19 ( 0'- 8' deep)	130.00
D14	LF	Burst existing 12" or 15" to 16" IPS SDR 19 ( 8'- 12' deep)	142.00
D15	LF	Burst existing 12" or 15" to 16" IPS SDR 19 ( 12'- 16' deep)	165.00
D16	LF	Burst existing 15" or 18" to 18" IPS SDR 19 ( 0'- 8' deep)	160.00
D17	LF	Burst existing 15" or 18" to 18" IPS SDR 19 ( 8'- 12' deep)	188.00
D18	LF	Burst existing 15" or 18" to 18" IPS SDR 19 ( 12'- 16' deep)	200.00
D19	LF	Burst existing 18" or 21" to 22" IPS SDR 19 ( 0'- 8' deep)	190.00
D20	LF	Burst existing 18" or 21" to 22" IPS SDR 19 ( 8'- 12' deep)	224.00
D21	LF	Burst existing 18" or 21" to 22" IPS SDR 19 ( 12'- 16' deep)	255.00
D22	LF	Burst existing 21" or 24" to 24" IPS SDR 19 ( 0'- 8' deep)	240.00
D23	LF	Burst existing 21" or 24" to 24" IPS SDR 19 ( 8'- 12' deep)	270.00
D24	LF	Burst existing 21" or 24" to 24" IPS SDR 19 ( 12'- 16' deep)	300.00
D25	LF	Burst existing 24" or 27" to 28" IPS SDR 19 ( 0'- 8' deep)	285.00
D26	LF	Burst existing 24" or 27" to 28" IPS SDR 19 ( 8'- 12' deep)	300.00
D27	LF	Burst existing 24" or 27" to 28" IPS SDR 19 ( 12'- 16' deep)	334.00
D28	LF	Burst existing 27" or 30" to 30" IPS SDR 19 ( 0'- 8' deep)	305.00
D29	LF	Burst existing 27" or 30" to 30" IPS SDR 19 ( 8'- 12' deep)	340.00
D30	LF	Burst existing 27" or 30" to 30" IPS SDR 19 ( 12'- 16' deep)	375.00
D31	EA	8" - 12" Pipeburst Setup Charge (< 300 LF)	3500.00

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D32	EA	16" - 22" Pipeburst Setup Charge (< 300 LF)	4000.00
D33	EA	24" or Larger Pipeburst Setup Charge (< 300 LF)	6500.00
<b>E. Pipe Bursting Rehabilitation for Water Lines</b>			
E1	LF	Install 2" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	65.00
E2	LF	Install 4" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	80.00
E3	LF	Install 6" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	95.00
E4	LF	Install 8" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	115.00
E5	LF	Install 10" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	135.00
E6	LF	Install 12" Fusible PVC or HDPE pre-chlorinated water line, SDR 11, in trench	165.00
E7	EA	6" Flow Stop	6500.00
E8	EA	8" Flow Stop	7200.00
E9	EA	10" Flow Stop	8800.00
E10	EA	12" Flow Stop	10500.00
E11	EA	3/4" Service Tap, Install on 4"-8" Waterline	1000.00
E12	EA	1" Service Tap, Install on 4"-8" Waterline	1200.00
E13	EA	1.5" Service Tap, Install on 4"-8" Waterline	1450.00
E14	EA	2" Service Tap, Install on 4"-8" Waterline	2000.00
E15	EA	3/4" Service Tap, Install on 10"-12" Waterline	1000.00
E16	EA	1" Service Tap, Install on 10"-12" Waterline	1200.00
E17	EA	1.5" Service Tap, Install on 10"-12" Waterline	1450.00
E18	EA	2" Service Tap, Install on 10"-12" Waterline	2000.00
E19	EA	Install 4"-8" tee, to any size	3600.00
E20	EA	Install 10"-12" tee, to any size	4800.00
E21	EA	Install 4"-8" mechanical joint wet connection, to any size	2750.00
E22	EA	Install 10"-12" wet connection, to any size	6000.00
E23	LF	Auger and encase 4"-8", all depths, complete in place (to include pipe in casing)	305.00
E24	LF	Auger and encase 10"-12", all depths, complete in place (to include pipe in casing)	595.00
E25	CY	Annual and void space grouting	200.00
E26	EA	Install 1" Corporation Stop with Valve Box	400.00
E27	EA	Install 2" Corporation Stop with Valve Box	700.00
E28	EA	Install 4" gate valve & box	600.00
E29	EA	Install 6" gate valve & box	800.00
E30	EA	Install 8" gate valve & box	1200.00
E31	EA	Install 12" gate valve & box	2200.00
E32	EA	Install 8"x2" service saddle	900.00
E33	EA	Install 12"x1" service saddle	1200.00
E34	EA	Install 12"x2" service saddle	1300.00
E35	EA	Connect new 1" water line w/existing 1" water line	400.00
E36	EA	Connect new 2" water line w/existing 2" water line	500.00
E37	EA	Connect new 4" water line w/existing 4" water line	600.00
E38	EA	Connect new 6" water line w/existing 6" water line	700.00
E39	EA	Connect new 8" water line w/existing 8" water line	800.00
E40	EA	Connect new 12" water line w/existing 12" water line	1000.00
E41	EA	Install 3/4 inch service connections	525.00
E42	EA	Remove and dispose of existing fire hydrant	500.00
E43	EA	Salvage existing fire hydrant and re-install in new location	3200.00
E44	TON	Repair pavement with cold mix asphalt	150.00
E45	EA	Furnish and install 8" x 6" ductile iron fire hydrant tee	535.00
E46	EA	Furnish and install 6" ductile iron pipe fire hydrant lead piping	625.00
E47	EA	Furnish and install 8" x 6" fire hydrant or approved equal, including lead & FH valve	4500.00
<b>F. Slip-lining With HDPE or FRP Rehabilitation</b>			
F1	LF	6" HDPE IPS SDR 21 ( 0'- 8' deep)	46.00
F2	LF	6" HDPE IPS SDR 21 ( 8'- 12' deep)	50.60
F3	LF	6" HDPE IPS SDR 21 ( 12'- 16' deep)	55.20
F4	LF	8" HDPE IPS SDR 21 ( 0'- 8' deep)	46.00
F5	LF	8" HDPE IPS SDR 21 ( 8'- 12' deep)	50.60
F6	LF	8" HDPE IPS SDR 21 ( 12'- 16' deep)	55.20
F7	LF	10" HDPE IPS SDR 21 ( 0'- 8' deep)	50.60
F8	LF	10" HDPE IPS SDR 21 ( 8'- 12' deep)	55.20
F9	LF	10" HDPE IPS SDR 21 ( 12'- 16' deep)	59.80
F10	LF	12" HDPE IPS SDR 21 ( 0'- 8' deep )	59.80
F11	LF	12" HDPE IPS SDR 21 ( 8'- 12' deep)	64.40
F12	LF	12" HDPE IPS SDR 21 ( 12'- 16' deep )	69.00
F13	LF	16" HDPE IPS SDR 21 ( 0'- 8' deep)	69.00
F14	LF	16" HDPE IPS SDR 21 ( 8'- 12' deep)	78.20
F15	LF	16" HDPE IPS SDR 21 ( 12'- 16' deep)	92.00
F16	LF	18" HDPE IPS SDR 21 ( 0'- 8' deep)	82.80
F17	LF	18" HDPE IPS SDR 21 ( 8'- 12' deep)	92.00
F18	LF	18" HDPE IPS SDR 21 ( 12'- 16' deep)	110.40
F19	LF	20" HDPE IPS SDR 21 ( 0'- 8' deep)	110.40
F20	LF	20" HDPE IPS SDR 21 ( 8'- 12' deep)	119.60
F21	LF	20" HDPE IPS SDR 21 ( 12'- 16' deep)	133.40
F22	LF	24" HDPE IPS SDR 21 ( 0'- 8' deep)	128.80
F23	LF	24" HDPE IPS SDR 21 ( 8'- 12' deep)	138.00
F24	LF	24" HDPE IPS SDR 21 ( 12'- 16' deep)	151.80
F25	LF	27" Installation of FRP or SRPCP segments (20 lf std. Segments)	253.00
F26	LF	30" Installation of FRP or SRPCP segments (20 lf std. Segments)	276.00
F27	LF	36" Installation of FRP or SRPCP segments (20 lf std. Segments)	322.00

F28	LF	42" Installation of FRP or SRPCP segments (20 lf std. Segments)	368.00
F29	LF	48" Installation of FRP or SRPCP segments (20 lf std. Segments)	506.00
F30	LF	54" Installation of FRP or SRPCP segments (20 lf std. Segments)	552.00
F31	LF	60" Installation of FRP or SRPCP segments (20 lf std. Segments)	736.00
F32	LF	72" Installation of FRP or SRPCP segments (20 lf std. Segments)	920.00
F33	LF	27" Installation of FRP or SRPCP segments <10lf joints	303.60
F34	LF	30" Installation of FRP or SRPCP segments <10lf joints	331.20
F35	LF	36" Installation of FRP or SRPCP segments <10lf joints	386.40
F36	LF	42" Installation of FRP or SRPCP segments <10lf joints	441.60
F37	LF	48" Installation of FRP or SRPCP segments <10lf joints	607.20
F38	LF	54" Installation of FRP or SRPCP segments <10lf joints	662.40
F39	LF	60" Installation of FRP or SRPCP segments <10lf joints	883.20
F40	LF	72" Installation of FRP or SRPCP segments <10lf joints	1104.00
F41	LS	27" Set-up for contiguous installations < 150 lf	920.00
F42	LS	30" Set-up for contiguous installations < 150 lf	1840.00
F43	LS	36" Set-up for contiguous installations < 150 lf	1840.00
F44	LS	42" Set-up for contiguous installations < 150 lf	1840.00
F45	LS	48" Set-up for contiguous installations < 150 lf	1840.00
F46	LS	54" Set-up for contiguous installations < 150 lf	1840.00
F47	LS	60" Set-up for contiguous installations < 150 lf	1840.00
F48	LS	72" Set-up for contiguous installations < 150 lf	1840.00
F49	CUFT	All Sizes Annular space grouting cement slurry base	60.00
F50	LS	All Sizes Set-up for annular space grouting <100 cubic feet	5000.00
F51	LB	High Density Urethane for grouting, slab lifting, void filling, pipe sealing etc.(500lb.min)	92.00
<b>G. Manhole and Structure Rehabilitation</b>			
G1	G1	Structure (Manhole) Rehabilitation and Corrosion Protection and Additional Associated Items.	
G2	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Portland-based cementitious liner	150.00
G3	VF	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Portland-based cementitious liner	160.00
G4	VF	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Portland-based cementitious liner	170.00
G5	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	200.00
G6	VF	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	230.00
G7	VF	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Calcium Aluminate-based cementitious liner	260.00
G8	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	300.00
G9	VF	Manhole Rehabilitation (Standard 5-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	350.00
G10	VF	Manhole Rehabilitation (Standard 6-ft Diameter) - 125 mil Epoxy / Polyurea / or approved equal	400.00
G11	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - 1-inch Geopolymer liner	400.00
G12	VF	Manhole Rehabilitation (Standard 5-ft Diameter) - 1-inch Geopolymer liner	450.00
G13	VF	Manhole Rehabilitation (Standard 6-ft Diameter) - 1-inch Geopolymer liner	500.00
G14	VF	Manhole Rehabilitation (Standard 4-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	600.00
G15	VF	Manhole Rehabilitation (Standard 5-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	650.00
G16	VF	Manhole Rehabilitation (Standard 6-ft Diameter) - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	700.00
G17	EA	Rebuild Bench and Invert	1000.00
G18	SQFT	Lift / Pump Station Rehabilitation - 125 mil Epoxy / Polyurea / or approved equal	80.00
G19	SQFT	Lift / Pump Station Rehabilitation - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	175.00
G20	SQFT	Lift / Pump Station Rehabilitation - Composite System - each additional 1/2 inch Cementitious liner	25.00
G21	SQFT	Lift / Pump Station Rehabilitation - 1-inch Geopolymer liner	145.00
G22	SQFT	Lift / Pump Station Rehabilitation - Geopolymer liner each additional 1/2 inch	40.00
G23	SQFT	WWTP Structure Rehabilitation - 125 mil Epoxy / Polyurea / or approved equal	80.00
G24	SQFT	WWTP Structure Rehabilitation - Composite System - 1" Cementitious + 125 mils Epoxy / Polyurea	175.00
G25	SQFT	WWTP Structure Rehabilitation - Composite System - each additional 1/2 inch Cementitious liner	25.00
G26	SQFT	WWTP Structure Rehabilitation - 1-inch Geopolymer liner	145.00
G27	SQFT	WWTP Structure Rehabilitation - Geopolymer liner each additional 1/2 inch	40.00
G28	EA	Vacuum Test Manhole (12" mainline or smaller)	400.00
G29	EA	Holiday Test Manhole (Epoxy Only)	400.00
G30	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch cementitious	35.00
G31	VF	Manhole Rehabilitation - Epoxy/Polyurea/or approved equal - (Standard 4-ft Diameter)	400.00
G32	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - Epoxy/Polyurea/or approved equal	80.00
G33	VF	Manhole Rehabilitation - w/1 inch Geopolymer	400.00
G34	SQFT	Sewer Structure Rehabilitation (Non-circular or manholes greater than 4-ft Diameter) - 1-inch Geopolymer	145.00
G35	EA	Installation of FRP rehabilitation structures up to 6' depth (Standard 4-ft Diameter)	1800.00
G36	VF	Additional depth for FRP rehabilitation structures (Standard 4-ft Diameter)	400.00
G37	SQFT	All Sizes Installation of poured in place structure without forms remaining depth <10 vf	90.00
G38	SQFT	All Sizes Installation of poured in place structure with forms remaining depth <10 vf	90.00
G39	SQFT	All Sizes Installation of poured in place structure without forms remaining depth +10 vf <20 vf	90.00
G40	SQFT	All Sizes Installation of poured in place structure with forms remaining depth +10 vf <20 vf	90.00
G41	SQFT	All Sizes Installation of poured in place structure without forms remaining depth +20 vf <40 vf	90.00
G42	SQFT	All Sizes Installation of poured in place structure with forms remaining depth +20 vf <40 vf	90.00
G43	LS	All Sizes Set-up for install of poured in place MH structure <100 sq ft	1380.00

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G44	EA	All Sizes Installation of Manhole Chimney Seal	552.00
G45	EA	New manhole frame and cover-24"	850.00
G46	EA	New manhole frame and cover-32"	1500.00
G47	EA	Premium manhole frame and cover ( i.e. CertainTeed PAM locking units etc.)-24"	1600.00
G48	EA	Premium manhole frame and cover ( i.e. CertainTeed PAM locking units etc.)-32"	1920.00
G49	EA	Adjust manhole frame and cover up to 1 Ft	950.00
G50	VF	Adjust manhole frame and cover over 1 Ft	500.00
G51	EACH	Invert Installation, 4' Dia.	1400.00
G52	EACH	Invert Installation, 5' Dia.	1500.00
G53	EACH	Invert Installation, 6' Dia.	1700.00
G54	SF	Invert Installation, Other Configurations	2500.00
<b>H. Excavation and Associated Items.</b>			
H1	EA	6" - 8" Point repair (0'- 8' deep )	4830.00
H2	EA	6" - 8" Point repair (8'- 12' deep)	5520.00
H3	EA	6" - 8" Point repair (12'-16' deep)	10350.00
H4	EA	10" - 12" Point repair (0'- 8' deep )	5060.00
H5	EA	10" - 12" Point repair (8'- 12' deep)	5750.00
H6	EA	10" - 12" Point repair (12'-16' deep)	11500.00
H7	EA	15" - 18" Point repair (0'-8' deep)	6900.00
H8	EA	15" - 18" Point repair (8'-12' deep)	8050.00
H9	EA	15" - 18" Point repair (12'-16' deep)	13800.00
H10	EA	21" - 24" Point repair (0'-8' deep)	13800.00
H11	EA	21" - 24" Point repair (8'-12' deep)	16100.00
H12	EA	21" - 24" Point repair (12'-16' deep)	20700.00
H13	LF	6" - 8" Point repair extra length over 10 linear feet	89.70
H14	LF	10" - 12" Point repair extra length over 10 linear feet	89.70
H15	LF	15" - 18" Point repair extra length over 10 linear feet	138.00
H16	LF	21" - 24" Point repair extra length over 10 linear feet	207.00
H17	EA	Obstruction Removal (0'- 12' deep )	3450.00
H18	EA	Obstruction Removal (12'- 15' deep )	5750.00
H19	EA	External reconnect (0'- 8' deep) up to 5 linear feet	1265.00
H20	EA	External reconnect (8'- 12' deep) up to 5 linear feet	1725.00
H21	EA	External reconnect (12'- 16' deep) up to 5 linear feet	4025.00
H22	EA	External reconnect (16-20' deep) up to 5 linear feet	9775.00
H23	EA	External reconnect (over 20' deep) up to 5 linear feet	14375.00
H24	LF	Extra length service connection over 5 linear feet	127.00
H25	EA	Remove and replace or install cleanout	1840.00
H26	LF	New pipe installation by open cut 6" - 8" (0'- 8' deep )	75.00
H27	LF	New pipe installation by open cut 6" - 8" (8'- 12' deep)	80.00
H28	LF	New pipe installation by open cut 6" - 8" (12'-16' deep)	105.00
H29	LF	New pipe installation by open cut 10" - 12" (0'- 8' deep )	79.00
H30	LF	New pipe installation by open cut 10" - 12" (8'- 12' deep)	86.00
H31	LF	New pipe installation by open cut 10" - 12" (12'-16' deep)	115.00
H32	LF	New pipe installation by open cut 15" - 18" (0'-8' deep)	125.00
H33	LF	New pipe installation by open cut 15" - 18" (8'-12' deep)	145.00
H34	LF	New pipe installation by open cut 15" - 18" (12'-16' deep)	165.00
H35	LF	New pipe installation by open cut 21" - 24" (0'-8' deep)	145.00
H36	LF	New pipe installation by open cut 21" - 24" (8'-12' deep)	165.00
H37	LF	New pipe installation by open cut 21" - 24" (12'-16' deep)	185.00
H38	EA	Mobilization for open cut WO under 200' of pipe	2500.00
H39	EA	Connection to existing manhole for open cut intallation	2000.00
H40	EA	Pipe Seal Fix (8" Diameter)-Stainless Steel with EDPM	3500.00
H41	EA	Pipe Seal Fix (10" Diameter)-Stainless Steel with EDPM	3640.00
H42	EA	Pipe Seal Fix (12" Diameter)-Stainless Steel with EDPM	3780.00
H43	EA	Pipe Seal Fix (15" Diameter)-Stainless Steel with EDPM	4060.00
H44	EA	Pipe Seal Fix (18" Diameter)-Stainless Steel with EDPM	4340.00
H45	EA	Pipe Seal Fix (21" Diameter)-Stainless Steel with EDPM	4760.00
H46	EA	Pipe Seal Fix (24" Diameter)-Stainless Steel with EDPM	5320.00
H47	EA	Access Pit (0'-8' deep)	2875.00
H48	EA	Access Pit (8'-12' deep)	4025.00
H49	EA	Access Pit (12'-16' deep)	7475.00
H50	EA	Access Pit (16'-20' deep)	9775.00
H51	EA	Access Pit (over 20' deep)	15000.00
H52	EA	Potholing for Nearby Utility Location or Obstruction Removal (0'-8' deep)	2300.00
H53	EA	Potholing for Nearby Utility Location or Obstruction Removal (8'-12' deep)	2875.00
H54	EA	Potholing for Nearby Utility Location or Obstruction Removal (12'-16' deep)	4025.00
H55	EA	Potholing for Nearby Utility Location or Obstruction Removal (16'-20' deep)	7475.00
H56	LF	Trench safety (0-8' deep)	5.75
H57	LF	Trench safety (8-12' deep)	9.00
H58	LF	Trench safety (12-16' deep)	20.00
H59	LF	Trench safety (16-20' deep)	35.00
H60	LF	Trench safety over 20' deep)	100.00
H61	EA	Install New 4' DIA precast manhole 0' - 6' deep	5980.00
H62	VF	Extra depth 4' DIA precast manhole over 6' deep	633.00
H63	EA	Install New 5' DIA precast manhole 0' - 6' deep	7820.00
H64	VF	Extra depth 5' DIA precast manhole over 6' deep	863.00
H65	EA	Install New 6' DIA precast manhole 0' - 6' deep	11270.00
H66	VF	Extra depth 6' DIA precast manhole over 6' deep	1214.00
H67	EA	Install New 4' DIA fiberglass manhole 0' - 6' deep	6325.00

H68	VF	Extra depth 4' DIA fiberglass manhole over 6' deep	633.00
H69	EA	Install New 5' DIA fiberglass manhole 0' - 6' deep	8050.00
H70	VF	Extra depth 5' DIA fiberglass manhole over 6' deep	914.00
H71	EA	Install New 6' DIA fiberglass manhole 0' - 6' deep	13800.00
H72	VF	Extra depth 6' DIA fiberglass manhole over 6' deep	1214.00
H73	EA	Sanitary Sewer Structure, Type B Structure, Up to 6' deep	14375.00
H74	VF	Extra Depth Type B Structure, greater than 6' depth	863.00
H75	EA	Sanitary Sewer Structure, Type C Structure, Up to 6' deep	14375.00
H76	VF	Extra Depth Type C Structure, greater than 6' depth	863.00
H77	TON	Cement stabilized sand	44.00
H78	TON	Granular backfill/Crushed Rock	41.00
H79	CY	Flowable Fill	167.00
H80	EA	Dewatering setup (well pointing) maximum 25' deep, includes 20 linear feet setup	8625.00
H81	LF	Extra length dewatering over 20 linear feet	100.00
H82	DAY	Operation Maintain Well Points by the Day	978.00
H83	CY	Extra hand excavation	144.00
<b>I. Horizontal Directional Drilling (HDD)</b>			
I1	IN/DIA/LF	2"-4" Installation of pipe clay ground conditions (pipe cost excluded)	38.79
I2	IN/DIA/LF	2"-4" Installation of pipe loose sand ground conditions (pipe cost excluded)	38.79
I3	IN/DIA/LF	2"-4" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	45.00
I4	IN/DIA/LF	2"-4" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	46.88
I5	IN/DIA/LF	2"-4" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	5.63
I6	IN/DIA/LF	6"-8" Installation of pipe clay ground conditions (pipe cost excluded)	43.28
I7	IN/DIA/LF	6"-8" Installation of pipe loose sand ground conditions (pipe cost excluded)	43.28
I8	IN/DIA/LF	6"-8" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	48.91
I9	IN/DIA/LF	6"-8" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	59.21
I10	IN/DIA/LF	6"-8" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	8.13
I11	IN/DIA/LF	10"-12" Installation of pipe clay ground conditions (pipe cost excluded)	46.88
I12	IN/DIA/LF	10"-12" Installation of pipe loose sand ground conditions (pipe cost excluded)	46.88
I13	IN/DIA/LF	10"-12" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	50.68
I14	IN/DIA/LF	10"-12" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	70.31
I15	IN/DIA/LF	10"-12" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	13.75
I16	IN/DIA/LF	15"-18" Installation of pipe clay ground conditions (pipe cost excluded)	160.71
I17	IN/DIA/LF	15"-18" Installation of pipe loose sand ground conditions (pipe cost excluded)	160.71
I18	IN/DIA/LF	15"-18" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	208.34
I19	IN/DIA/LF	15"-18" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	225.00
I20	IN/DIA/LF	15"-18" Installation of pipe ground conditions per 1000 psi increase over 8000 psi	26.04
I21	IN/DIA/LF	21"-24" Installation of pipe clay ground conditions (pipe cost excluded)	187.50
I22	IN/DIA/LF	21"-24" Installation of pipe loose sand ground conditions (pipe cost excluded)	187.50
I23	IN/DIA/LF	21"-24" Installation of pipe rock ground conditions<3000 psi (pipe cost excluded)	255.69
I24	IN/DIA/LF	21"-24" Installation of pipe rock ground conditions 3-8000 psi (pipe cost excluded)	312.50
I25	IN/DIA/LF	21"-24" Installation of pipe ground conditions per 1000 psi increase over 8000 ps	31.96
I26	EA	Access Pit for Directional Drill (0'-8' deep)	1106.25
I27	EA	Access Pit for Directional Drill (8'-12' deep)	1666.25
I28	EA	Access Pit for Directional Drill (12'-16' deep)	2962.50
I29	EA	Access Pit for Directional Drill (16'-20' deep)	5556.25
I30	LS	2"-4" Set-up for contiguous lengths <150 lf	3625.00
I31	LS	6"-8" Set-up for contiguous lengths <150 lf	3625.00
I32	LS	10"-12" Set-up for contiguous lengths <150 lf	3625.00
I33	LS	15"-18" Set-up for contiguous lengths <150 lf	3625.00
I34	LS	21"-24" Set-up for contiguous lengths <150 lf	3625.00
I35	LS	27"-36" Set-up for contiguous lengths <150 lf	3625.00
<b>J. Bypass Pumping for Gravity Pipe and Associated Items.</b>			
J1	EA	Set up 4" pump and piping including up to 1000 feet of bypass discharge line	2559.00
J2	EA	Set up 6" pump and piping including up to 1000 feet of bypass discharge line	4800.00
J3	EA	Set up 8" pump and piping including up to 1000 feet of bypass discharge line	11000.00
J4	EA	Set up 12" pump and piping including up to 1000 feet of bypass discharge line	17400.00
J5	EA	Set up 18" pump and piping including up to 1000 feet of bypass discharge line	27000.00
J6	LF	Additional Length 8" Bypass Discharge Line over 1000 feet	36.00
J7	LF	Additional Length 10" Bypass Discharge Line over 1000 feet	48.00
J8	LF	Additional Length 12" Bypass Discharge Line over 1000 feet	88.00
J9	LF	Additional Length 18" Bypass Discharge Line over 1000 feet	132.00
J10	DAY	Operate 4" pumping System per pump	500.00
J11	DAY	Operate 6" pumping System per pump	2880.00
J12	DAY	Operate 8" pumping System per pump	5640.00
J13	DAY	Operate 12" pumping System per pump	8840.00
J14	DAY	Operate 18" pumping System per pump	17760.00
J15	DAY	Bypass - Driveway Ramp (Setup, Operate, Maintain)	3000.00
J16	DAY	Bypass - Street Ramp (Setup, Operate, Maintain)	3000.00
J17	LF	Bypass - Street Trenching excluding restoration for 8" Pipe (Setup, Operate, Maintain)	92.00
J18	LF	Bypass - Street Trenching excluding restoration for 12" Pipe (Setup, Operate, Maintain)	92.00
J19	LF	Bypass - Street Trenching excluding restoration for 18" Pipe (Setup, Operate, Maintain)	92.00
J20	DAY	PIPE FUSION MACHINE 6"-18"	625.00
J21	DAY	PIPE FUSION MACHINE 4" - 12"	550.00
J22	DAY	PUMP 3" SELF PRIME - DIESEL	87.50
J23	DAY	PUMP 3" VENTURI PRIME - DIESEL	106.00
J24	DAY	PUMP 4" VAC ASSIST - DIESEL	148.00
J25	DAY	PUMP 4" DBA-SILENCER VAC ASSIST - DIESEL	153.00

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J26	DAY	PUMP 6" VAC ASSIST - DIESEL	163.00
J27	DAY	PUMP 6" DBA-SILENCER VAC ASSIST - DIESEL	191.00
J28	DAY	PUMP 8" VENTURI PRIME - DIESEL	258.00
J29	DAY	PUMP 8" SUPER VENTURI PRIME - DIESEL	258.00
J30	DAY	PUMP 8" SUPER VAC ASSIST - DIESEL	258.00
J31	DAY	PUMP 8" SUPER VAC ASSIST - DIESEL	450.00
J32	DAY	PUMP 12" VENTURI PRIME - DIESEL	430.00
J33	DAY	PUMP 12" VAC ASSIST - DIESEL	430.00
J34	DAY	PUMP 12" DBA-SILENCER VAC ASSIST - DSL	600.00
J35	DAY	PUMP 12" SUPERVAC ASSIST - DIESEL	430.00
J36	DAY	PUMP 12"DBA-SILNCER SUPER VAC ASSIST-DSL	600.00
J37	DAY	PUMP 14" VAC ASSIST - DIESEL	758.00
J38	DAY	PUMP 18" VAC ASSIST - DIESEL	1225.00
J39	DAY	PUMP 18" DBA-SILENCER VAC ASSIST - DSL	875.00
J40	DAY	PUMP 10X8 VAC ASSIST - DIESEL	438.00
J41	DAY	PUMP 10X8 DBA-SILENCER VAC ASSIST-DIESEL	625.00
J42	DAY	PUMP 1" TO 1.5" AOD - POLY	67.00
J43	DAY	PUMP 2" AOD - ALUMINUM	47.00
J44	DAY	PUMP 2" AOD - STAINLESS	95.00
J45	DAY	PUMP 2" AOD - POLY	116.00
J46	DAY	PUMP 3" AOD - ALUMINUM	53.00
J47	DAY	PUMP 3" AOD - STAINLESS	116.00
J48	DAY	PUMP 2" TRASH	75.00
J49	DAY	PUMP 3" TRASH	106.00
J50	DAY	PUMP 4" TRASH	147.00
J51	DAY	PUMP 4" HYDRAULIC HEAD - VORTEX	125.00
J52	DAY	4" HYDRAULIC PUMP HEAD - CAST IRON	125.00
J53	DAY	4" HYDRAULIC PUMP HEAD - SLUDGE	125.00
J54	DAY	6" HYDRAULIC PUMP HEAD - CAST IRON	150.00
J55	DAY	6" HYDRAULIC PUMP HEAD - STAINLESS	150.00
J56	DAY	6" HYDRAULIC PUMP HEAD - SLUDGE	150.00
J57	DAY	8" HYDRAULIC PUMP HEAD - CAST IRON	188.00
J58	DAY	12" HYDRAULIC PUMP HEAD - CAST IRON	250.00
J59	DAY	25HP HYDRAULIC POWER UNIT	188.00
J60	DAY	65HP HYDRAULIC POWER UNIT	250.00
J61	DAY	150HP HYDRAULIC POWER UNIT	584.00
J62	DAY	PUMP 6" PISTON DBA-WELLPOINT - DIESEL	250.00
J63	DAY	PUMP 8" PISTON DBA-WELLPOINT - DIESEL	375.00
J64	DAY	GATE VALVE 6" AND UNDER STAINLESS STEEL	20.00
J65	DAY	GATE VALVE 8"	19.00
J66	DAY	GATE VALVE 8" STAINLESS STEEL	38.00
J67	DAY	GATE VALVE 12"	7.00
J68	DAY	GATE VALVE 12" STAINLESS STEEL	28.00
J69	DAY	GATE VALVE 14"	20.00
J70	DAY	18" KNIFE GATE VALVE	185.00
J71	DAY	GATE VALVE 12"	7.00
J72	DAY	4" CHECK VALVE	16.00
J73	DAY	12" CHECK VALVE	47.00
J74	DAY	STANDALONE PUMP MANIFOLD	188.00
J75	DAY	HOSE 2X20 PVC SUCTION - CAMLOCK	12.00
J76	DAY	HOSE 2X20 RUBBER SUCTION - CAMLOCK	12.00
J77	DAY	HOSE 2X50 RUBBER DISCHARGE - CAMLOCK	12.00
J78	DAY	HOSE 2X50 LAYFLAT DISCHARGE - CAMLOCK	9.00
J79	DAY	HOSE 3X20 PVC SUCTION - CAMLOCK	33.00
J80	DAY	HOSE 3X20 TANK TRUCK - CAMLOCK	33.00
J81	DAY	HOSE 3X20 RUBBER SUCTION - CAMLOCK	33.00
J82	DAY	HOSE 3X50 LAYFLAT DISCHARGE - CAMLOCK	10.00
J83	DAY	HOSE 4X10 RUBBER SUCTION - QC	19.00
J84	DAY	HOSE 4X20 PVC SUCTION - CAMLOCK	14.00
J85	DAY	HOSE 4X20 KANAFLEX SUCTION - CAMLOCK	24.00
J86	DAY	HOSE 4X20 OSD - FLANGED	31.00
J87	DAY	HOSE 4X20 TANK TRUCK - FLANGED	31.00
J88	DAY	HOSE 4X20 TANK TRUCK - CAMLOCK	24.00
J89	DAY	HOSE 4X20 RUBBER SUCTION - CAMLOCK	24.00
J90	DAY	HOSE 4X20 RUBBER SUCTION - QC	24.00
J91	DAY	HOSE 4X50 LAYFLAT DISCHARGE - CAMLOCK	24.00
J92	DAY	HOSE 4X50 LAYFLAT DISCHARGE - QC	24.00
J93	DAY	HOSE 4X50 RUBBER DISCHARGE - CAMLOCK	24.00
J94	DAY	HOSE 6X10 RUBBER SUCTION - CAMLOCK	24.00
J95	DAY	HOSE 6X10 RUBBER SUCTION - QC	24.00
J96	DAY	HOSE 6X20 PVC SUCTION - CAMLOCK	24.00
J97	DAY	HOSE 6X20 KANAFLEX SUCTION - CAMLOCK	44.00
J98	DAY	HOSE 6X20 KANAFLEX SUCTION - QC	44.00
J99	DAY	HOSE 6X20 COMPOSITE OSD - FLANGED	44.00
J100	DAY	HOSE 6X20 OSD - FLANGED	44.00
J101	DAY	HOSE 6X20 TANK TRUCK - CAMLOCK	44.00
J102	DAY	HOSE 6X20 RUBBER SUCTION - CAMLOCK	44.00
J103	DAY	HOSE 6X20 RUBBER SUCTION - QC	44.00
J104	DAY	HOSE 6X50 LAYFLAT DISCHARGE - CAMLOCK	44.00
J105	DAY	HOSE 6X50 LAYFLAT DISCHARGE - QC	44.00

J106	DAY	HOSE 6X50 RUBBER DISCHARGE - CAMLOCK	44.00
J107	DAY	HOSE 8X10 KANAFLEX SUCTION - QC	75.00
J108	DAY	HOSE 8X10 RUBBER SUCTION - QC	50.00
J109	DAY	HOSE 8X20 KANAFLEX SUCTION - CAMLOCK	50.00
J110	DAY	HOSE 8X20 KANAFLEX SUCTION - QC	50.00
J111	DAY	HOSE 8X20 COMPOSITE OSD - FLANGED	50.00
J112	DAY	HOSE 8X20 OSD - FLANGED	50.00
J113	DAY	HOSE 8X20 RUBBER SUCTION - QC	50.00
J114	DAY	HOSE 8X50 LAYFLAT DISCHARGE - CAMLOCK	50.00
J115	DAY	HOSE 8X50 LAYFLAT DISCHARGE - QC	50.00
J116	DAY	HOSE 8X50 RUBBER DISCHARGE - QC	50.00
J117	DAY	HOSE 10X20 OSD - FLANGED	57.00
J118	DAY	HOSE 12X10 STAINLESS - FLANGED	125.00
J119	DAY	HOSE 12X10 OSD - FLANGED	83.00
J120	DAY	HOSE 12X10 RUBBER SUCTION - FLANGED	83.00
J121	DAY	HOSE 12X10 RUBBER SUCTION - QC	83.00
J122	DAY	HOSE 12X20 OSD - FLANGED	75.00
J123	DAY	HOSE 12X20 RUBBER SUCTION - QC	83.00
J124	DAY	HOSE 12X25 OSD - FLANGED	74.00
J125	DAY	HOSE 12X25 OSD DISCHARGE - FLANGED	74.00
J126	DAY	HOSE 12X30 OSD DISCHARGE - FLANGED	148.00
J127	DAY	HOSE 14X10 OSD - FLANGED	148.00
J128	DAY	HOSE 14X20 OSD - FLANGED	144.00
J129	DAY	6 X 6 CONTAINMENT BERM	63.00
J130	DAY	8" 45 DEGREE QC ELBOW FITTING	19.00
J131	DAY	8" 90 DEGREE BAUER FITTING	19.00
J132	DAY	1 X 50 HYD HOSE	113.00
J133	DAY	1-1/4 X 50 HYDRAULIC HOSE	113.00
J134	DAY	FLANGED REDUCERS (ALL SIZES)	13.00
J135	DAY	Y'S	7.00
J136	DAY	T'S	13.00
J137	DAY	STRAINERS (ALL SIZES)	7.00
J138	DAY	BUTTERFLY VALVES	19.00
J139	DAY	90'S	25.00
J140	DAY	45'S	25.00
J141	DAY	4" ISOLATION VALVE	19.00
J142	DAY	GATE VALVE 6" AND UNDER	17.00
J143	DAY	12" HDPE 90	19.00
J144	DAY	SUCTION/DISCHARGE MANIFOLD	125.00
J145	DAY	12 X 12 CONTAINMENT BERM	125.00
J146	DAY	12"-18" PIPE PLUG	51.00
J147	DAY	4 X 10 BAUER PIPE	19.00
J148	DAY	6 X 10 BAUER PIPE	19.00
J149	DAY	6 X 20 BAUER PIPE	25.00
J150	DAY	8 X 10 BAUER PIPE	25.00
J151	DAY	8 X 20 BAUER PIPE	25.00
J152	DAY	10' BRIDGE STYLE ROAD CROSSING	375.00
J153	DAY	12" ROAD CROSSING	73.00
J154	DAY	12" ROAD CROSSING DOUBLE WIDE	125.00
J155	DAY	8" ROAD CROSSING	125.00
J156	DAY	10" ROAD CROSSING DOUBLE WIDE	125.00
J157	DAY	12" ROAD CROSSING	125.00
J158	DAY	12" ROAD CROSSING DOUBLE WIDE	125.00
J159	DAY	18" ROAD CROSSING	188.00
J160	DAY	12 X 10 TYPE A BAUER PIPE	25.00
J161	DAY	JET ROD	89.00
J162	DAY	15" - 30" PIPE PLUG	89.00
J163	DAY	WELLPOINT RISER	5.00
J164	DAY	SWING ARM ASSEMBLY	5.00
J165	DAY	8" WELLPOINT HEADER PVC	25.00
J166	DAY	8" SCHEDULE 40 PVC 90	12.00
J167	DAY	8" SCHEDULE 40 PVC TEE	12.00
J168	DAY	6X20 WELLPOINT HEADER PIPE	19.00
J169	DAY	6" - 20" FUSION MACHINE	625.00
J170	LF	8" HDPE PIPE DR17	5.00
J171	DAY	12X8 HDPE REDUCER	13.00
J172	LF	12" HDPE PIPE SDR 17	5.00
J173	LF	12" HDPE PIPE SDR 26	5.00
J174	DAY	14" HDPE 14 X 12 REDUCER	8.00
J175	DAY	18X12 HDPE REDUCER	8.00
J176	DAY	18" HDPE 90	8.00
J177	DAY	18" HDPE SDR 32.5	3.00
J178	DAY	18" HDPE FLG W/BACKUP RING	8.00
J179	DAY	18" HDPE 45 BEND	8.00
J180	DAY	18" KNIFE VALVE	63.00
J181	DAY	HDPE 45'S	3.00
J182	DAY	HDPE 90'S	3.00
J183	LF	18" HDPE PIPE DR17	5.00
J184	DAY	24" - 48" PIPE PLUG	160.00
J185	DAY	8" PIPE PLUG	20.00

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J186	DAY	10" PIPE PLUG	24.00
J187	DAY	12" PIPE PLUG	27.00
J188	DAY	36" - 60" PIPE PLUG	297.00
J189	DAY	12" FLNG TEE FLOAT HDPE	7.00
J190	DAY	18 HDPE FLOATING TEE SUCTION	10.00
J191	DAY	18" X 4" SADDLE	19.00
J192	DAY	4" QC 45 BEND	7.00
J193	DAY	4" QC 90 BEND	7.00
J194	DAY	END CAP 6"	7.00
J195	DAY	6" QC FLG X SOCKET	5.00
J196	DAY	6" QC TEE	3.00
J197	DAY	6" QC 45 BEND	5.00
J198	DAY	16" HDPE PIPE	3.00
J199	DAY	6" QC 90 BEND	5.00
J200	DAY	8" QC FLG X SOCKET	3.00
J201	DAY	8X12 QC ENLARGER	5.00
J202	DAY	8"QC MPT X BALL	5.00
J203	DAY	8 X 6 QC REDUCER	5.00
J204	DAY	8" QC STRAINER	7.00
J205	DAY	8" QC TEE	3.00
J206	DAY	8" QC 45 BEND	3.00
J207	DAY	8" QC FLG X BALL	15.00
J208	DAY	8" QC 90 BEND	3.00
J209	DAY	FLOAT SWITCH	9.00
J210	DAY	8 X 20 QCP PIPE DR26	25.00
J211	DAY	12" QC 90	5.00
J212	DAY	12" QC 45	5.00
J213	DAY	FITTING ELBOW 4" 90 DEGREES	7.00
J214	DAY	FITTING ELBOW 8" 90 DEGREES	19.00
J215	DAY	PUMP HYDROSTATIC TEST 10K PSI AIR	43.00
J216	DAY	PUMP HYDROSTATIC TEST 8K PSI	59.00
J217	DAY	HOSE 8' PUMP HYDROSTATIC TEST	73.00
J218	8HR	PUMP WATCH PER 8 HOUR SHIFT	2000.00
J219	HOUR	HYDROSTATIC TESTING OF PIPING	400.00
J220	HOUR	24 HOUR SYSTEM TEST	400.00
J221	DAY	TEAR DOWN 4" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	2400.00
J222	DAY	TEAR DOWN 6" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	3000.00
J223	DAY	TEAR DOWN 8" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	4300.00
J224	DAY	TEAR DOWN 12" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	4200.00
J225	DAY	TEAR DOWN 18" PUMP AND PIPING INCLUDING 1000 FEET OF BYPASS DISCHARGE LINE	5500.00
J226	DAY	TEAR DOWN ADDITIONAL BYPASS DISCHARGE LINE OVER 1000 FEET (ALL SIZES)	1500.00
<b>K. Pressure Pipe Lining and Reinforced Pressure Pipe Lining Systems</b>			
K1	LF	6" Installation of Pressure Pipe Lining (Potable)	360.00
K2	LF	8" Installation of Pressure Pipe Lining (Potable)	405.00
K3	LF	10" Installation of Pressure Pipe Lining (Potable)	465.00
K4	LF	12" Installation of Pressure Pipe Lining (Potable)	516.00
K5	LF	15" Installation of Pressure Pipe Lining (Potable)	585.00
K6	LF	18" Installation of Pressure Pipe Lining (Potable)	705.00
K7	LF	21" Installation of Pressure Pipe Lining (Potable)	786.00
K8	LF	24" Installation of Pressure Pipe Lining (Potable)	879.00
K9	LF	27" Installation of Pressure Pipe Lining (Potable)	960.00
K10	LF	30" Installation of Pressure Pipe Lining (Potable)	1185.00
K11	LF	33" Installation of Pressure Pipe Lining (Potable)	1380.00
K12	LF	36" Installation of Pressure Pipe Lining (Potable)	1518.00
K13	LF	39" Installation of Pressure Pipe Lining (Potable)	1746.00
K14	LF	42" Installation of Pressure Pipe Lining (Potable)	2070.00
K15	LF	48" Installation of Pressure Pipe Lining (Potable)	2760.00
K16	LF	54" Installation of Pressure Pipe Lining (Potable)	3300.00
K17	LF	6" Reinforced Pressure Pipe Lining (Non-Potable)	270.00
K18	LF	8" Reinforced Pressure Pipe Lining (Non-Potable)	330.00
K19	LF	10" Reinforced Pressure Pipe Lining (Non-Potable)	390.00
K20	LF	12" Reinforced Pressure Pipe Lining (Non-Potable)	450.00
K21	LF	15" Reinforced Pressure Pipe Lining (Non-Potable)	510.00
K22	LF	18" Reinforced Pressure Pipe Lining (Non-Potable)	630.00
K23	LF	21" Reinforced Pressure Pipe Lining (Non-Potable)	696.00
K24	LF	24" Reinforced Pressure Pipe Lining (Non-Potable)	855.00
K25	LF	27" Reinforced Pressure Pipe Lining (Non-Potable)	960.00
K26	LF	30" Reinforced Pressure Pipe Lining (Non-Potable)	1095.00
K27	LF	33" Reinforced Pressure Pipe Lining (Non-Potable)	1290.00
K28	LF	36" Reinforced Pressure Pipe Lining (Non-Potable)	1518.00
K29	LF	39" Reinforced Pressure Pipe Lining (Non-Potable)	1665.00
K30	LF	42" Reinforced Pressure Pipe Lining (Non-Potable)	2010.00
K31	LF	48" Reinforced Pressure Pipe Lining (Non-Potable)	2700.00
K32	LF	54" Reinforced Pressure Pipe Lining (Non-Potable)	3000.00
K33	EA	6" Installation of End Seal	4140.00
K34	EA	8" Installation of End Seal	4140.00
K35	EA	10" Installation of End Seal	4140.00
K36	EA	12" Installation of End Seal	4140.00
K37	EA	15" Installation of End Seal	5520.00

K38	EA	18" Installation of End Seal	6900.00
K39	EA	21" Installation of End Seal	6900.00
K40	EA	24" Installation of End Seal	8280.00
K41	EA	27" Installation of End Seal	8280.00
K42	EA	30" Installation of End Seal	8280.00
K43	EA	33" Installation of End Seal	9660.00
K44	EA	36" Installation of End Seal	9660.00
K45	EA	39" Installation of End Seal	11040.00
K46	EA	42" Installation of End Seal	11040.00
K47	EA	48" Installation of End Seal	13800.00
K48	EA	54" Installation of End Seal	13800.00
K49	EA	6" to 12" System set-up charge (<150 lf)	4140.00
K50	EA	15" to 21" System set-up charge (<150 lf)	4140.00
K51	EA	24" to 33" System set-up charge (<150 lf)	4140.00
K52	EA	36" to 54" System set-up charge (<150 lf)	4140.00
<b>L. Pressure Pipeline Bypass</b>			
L1	LF	Set up bypass of mainlines sizes 2"- 4" AWWA approved bypass	110.40
L2	EA	Connection of each service from 2"- 4" AWWA approved bypass	1269.60
L3	Day	Operation of 2"- 4" AWWA approved bypass	2760.00
L4	LF	Set up bypass of mainlines sizes 6"- 8" AWWA approved bypass	138.00
L5	EA	Connection of each service from 6"- 8" AWWA approved bypass	1407.60
L6	Day	Operation of 6"- 8" AWWA approved bypass	3312.00
L7	LF	Set up bypass of mainlines sizes 10"- 12" AWWA approved bypass	165.60
L8	EA	Connection of each service from 10"- 12" AWWA approved bypass	1725.00
L9	Day	Operation of 10"- 12" AWWA approved bypass	5520.00
L10	LF	Set up bypass of mainlines sizes 13"- 19" AWWA approved bypass	414.00
L11	EA	Connection of each service from 13"- 19" AWWA approved bypass	1794.00
L12	Day	Operation of 13"- 19" AWWA approved bypass	6900.00
L13	EA	Set up bypass of mainlines sizes 20"- 24" AWWA approved bypass	552.00
L14	EA	Connection of each service from 20"- 24" AWWA approved bypass	2760.00
L15	Day	Operation of 20"- 24" AWWA approved bypass	6900.00
L16	LF	Set up bypass of mainlines sizes 25"- 30" AWWA approved bypass	966.00
L17	EA	Connection of each service from 25"- 30" AWWA approved bypass	2760.00
L18	Day	Operation of 25"- 30" AWWA approved bypass	8280.00
L19	LF	Set up bypass of mainlines sizes 31"- 37" AWWA approved bypass	1242.00
L20	EA	Connection of each service from 31"- 37" AWWA approved bypass	2760.00
L21	Day	Operation of 31"- 37" AWWA approved bypass	8280.00
L22	LF	Set up bypass of mainlines sizes 38"- 48" AWWA approved bypass	1656.00
L23	EA	Connection of each service from 38"- 48" AWWA approved bypass	2760.00
L24	Day	Operation of 38"- 48" AWWA approved bypass	8280.00
<b>M. Line Cleaning and Inspection for Pressure Pipelines and Mechanical Cleaning</b>			
M1	LF	6" Cleaning with pressure propelled pigs	27.60
M2	LF	8" Cleaning with pressure propelled pigs	27.60
M3	LF	10" Cleaning with pressure propelled pigs	27.60
M4	LF	12" Cleaning with pressure propelled pigs	27.60
M5	LF	15" Cleaning with pressure propelled pigs	41.40
M6	LF	18" Cleaning with pressure propelled pigs	41.40
M7	LF	21" Cleaning with pressure propelled pigs	41.40
M8	LF	24" Cleaning with pressure propelled pigs	55.20
M9	LF	27" Cleaning with pressure propelled pigs	55.20
M10	LF	30" Cleaning with pressure propelled pigs	55.20
M11	LF	33" Cleaning with pressure propelled pigs	55.20
M12	LF	36" Cleaning with pressure propelled pigs	110.40
M13	LF	42" Cleaning with pressure propelled pigs	110.40
M14	LF	48" Cleaning with pressure propelled pigs	110.40
M15	LF	54" Cleaning with pressure propelled pigs	110.40
M16	LF	6" Cleaning with scrapers or other attached tools	41.40
M17	LF	8" Cleaning with scrapers or other attached tools	41.40
M18	LF	10" Cleaning with scrapers or other attached tools	41.40
M19	LF	12" Cleaning with scrapers or other attached tools	41.40
M20	LF	15" Cleaning with scrapers or other attached tools	55.20
M21	LF	18" Cleaning with scrapers or other attached tools	55.20
M22	LF	21" Cleaning with scrapers or other attached tools	55.20
M23	LF	24" Cleaning with scrapers or other attached tools	69.00
M24	LF	27" Cleaning with scrapers or other attached tools	69.00
M25	LF	30" Cleaning with scrapers or other attached tools	69.00
M26	LF	33" Cleaning with scrapers or other attached tools	96.60
M27	LF	36" Cleaning with scrapers or other attached tools	96.60
M28	LF	42" Cleaning with scrapers or other attached tools	110.40
M29	LF	48" Cleaning with scrapers or other attached tools	138.00
M30	LF	54" Cleaning with scrapers or other attached tools	165.60
M31	LF	6" Pressure pipe inspection	11.04
M32	LF	8" Pressure pipe inspection	11.04
M33	LF	10" Pressure pipe inspection	13.80
M34	LF	12" Pressure pipe inspection	13.80
M35	LF	15" Pressure pipe inspection	13.80
M36	LF	18" Pressure pipe inspection	19.32
M37	LF	21" Pressure pipe inspection	19.32

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M38	LF	24" Pressure pipe inspection	19.32
M39	LF	27" Pressure pipe inspection	19.32
M40	LF	30" Pressure pipe inspection	19.32
M41	LF	33" Pressure pipe inspection	19.32
M42	LF	36" Pressure pipe inspection	22.08
M43	LF	42" Pressure pipe inspection	22.08
M44	LF	48" Pressure pipe inspection	27.60
M45	LF	54" Pressure pipe inspection	41.40
M46	LF	Tuberculation Removal (Pressure & Gravity Pipelines)	40.00
<b>N. Restoration and Associated Items</b>			
N1	LF	Saw Cutting up to 8" depth	9.00
N2	LF	Saw Cutting over 8" depth	12.00
N3	SY	Repair/Rehab 2" Asphalt pavement	52.00
N4	SY	Repair/Rehab 8" Flex base	46.00
N5	SY	Repair/Rehab 8" Concrete pavement	173.00
N6	SY	Repair/Rehab 6" Concrete driveway	121.00
N7	SY	Repair/Rehab 4" Concrete sidewalk	98.00
N8	LF	Repair/Rehab Concrete curb and gutter	29.00
N9	SY	Sodding	29.00
N10	LF	Repair/Rehab chain link fence with new	25.00
N11	LF	Repair/Rehab wooden fence with new	29.00
N12	CY	TOPSOIL COMPLETE	41.00
N13	CY	SANDING COMPLETE	41.00
N14	CY	MULCH COMPLETE	41.00
N15	LF	STRAW BALE BARRIER	20.00
N16	EACH	TREE REPLACEMENT: HARDWOODS, 2"	863.00
N17	EACH	TREE REPLACEMENT: PINES, 2"	863.00
N18	EACH	SHRUB REPLACEMENT: 1 GALLON	40.00
N19	EACH	SHRUB REPLACEMENT: 3 GALLON	63.00
N20	EACH	SHRUB REPLACEMENT: 5 GALLON	82.00
N21	EACH	SHRUB REPLACEMENT: 7 GALLON	122.00
N22	EACH	BEDDING FLOWERS: PER FLAT OF 18	575.00
N23	SY	STONE RIP RAP TYPE I, 24" IN PLACE COMPLETE	260.00
N24	SY	STONE RIP RAP TYPE III, 12" IN PLACE COMPLETE	260.00
N25	SY	STONE GROUTED RIP RAP - 12" INSTALLED	288.00
N26	LF	SILT FENCE TYPE A, COMPLETE	12.00
N27	LF	SILT FENCE TYPE C, COMPLETE	8.00
N28	LF	ORANGE BARRIER FENCE	6.00
N29	EACH	HAY BALES COMPLETE	160.00
N30	SY	PLASTIC FILTER FABRIC INSTALLED	10.00
N31	SF	PERMANENT SOIL REINF MAT INSTALLED	125.00
<b>O. Additional Labor Rates and Traffic Control</b>			
O1	HR	SUPERINTENDENT - REGULAR	35.00
O2	HR	FOREMAN - REGULAR	30.00
O3	HR	LABORER - REGULAR	20.00
O4	HR	TRUCK DRIVER - REGULAR	24.00
O5	HR	UTILITY - REGULAR	20.00
O6	HR	SUPERINTENDENT - OVER TIME	65.00
O7	HR	FOREMAN - OVER TIME	60.00
O8	HR	LABORER - OVER TIME	32.00
O9	HR	TRUCK DRIVER - OVER TIME	42.00
O10	HR	UTILITY - OVERTIME	40.00
O11	EA	Barricades, Signs, and Traffic Handling (per setup)	3500.00
O12	EA	Traffic Control Plan (per setup)	2500.00
O13	HR	Flagmen	40.00
O14	HR	Uniformed Officers	65.00
O15	EA	SWPPP	2500.00
<b>P. Crew Travel &amp; Mobilization</b>			
P1	EA	Travel and Mobilization- TML Region 2 (Amarillo)	8970.00
P2	EA	Travel and Mobilization- TML Region 3 (Caprock-Lubbock)	8970.00
P3	EA	Travel and Mobilization- TML Region 4 (Permian Basin Region-Odessa)	8970.00
P4	EA	Travel and Mobilization- TML Region 5 (Red River Valley-Wichita Falls)	5980.00
P5	EA	Travel and Mobilization- TML Region 6 (Hub of Texas-Abilene)	4784.00
P6	EA	Travel and Mobilization- TML Region 7 (Alamo Region-San Antonio)	4784.00
P7	EA	Travel and Mobilization- TML Region 8 (Where the West Begins-Ft. Worth)	3250.00
P8	EA	Travel and Mobilization- TML Region 9 (Heart of Texas-Waco)	4784.00
P9	EA	Travel and Mobilization- TML Region 10 (Highland Lakes-Austin)	3250.00
P10	EA	Travel and Mobilization- TML Region 11(Coastal Bend-Corpus Christi)	8970.00
P11	EA	Travel and Mobilization- TML Region 12 (Lower Rio Grande Valley-McAllen)	11960.00
P12	EA	Travel and Mobilization- TML Region 13 (North Central Texas-Dallas)	3250.00
P13	EA	Travel and Mobilization- TML Region 14 (San Jacinto-Houston Area)	3250.00
P14	EA	Travel and Mobilization- TML Region 15 (Tyler-Longview)	4784.00
P15	EA	Travel and Mobilization- TML Region 16 (Golden Pine & Oil-Beaumont)	4784.00
P16	EA	Travel and Mobilization - Oklahoma	13000.00
P17	EA	Travel and Mobilization - Louisiana	9750.00
P18	EA	Travel and Mobilization - Colorado	20000.00
P19	EA	Travel and Mobilization - Arkansas	20000.00

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P20	EA	Travel and Mobilization - Missouri	20000.00
P21	EA	Travel and Mobilization - Kansas	20000.00
P22	EA	Travel and Mobilization - Emergency Mobilization	10000.00
P23	EA	Travel and Mobilization - Rehab of Less Than 100 Ft	25000.00
P24	EA	Travel and Mobilization - Rehab of 101 Ft to 300 Ft	20000.00
P25	EA	Travel and Mobilization - Rehab of 301 Ft to 500 Ft	15000.00
P26	EA	Travel and Mobilization - Rehab of 501 Ft to 1000 Ft	10000.00
P27	EA	Travel and Mobilization - Alabama	20000.00
P28	EA	Travel and Mobilization - Alaska	100000.00
P29	EA	Travel and Mobilization - Arizona	35000.00
P30	EA	Travel and Mobilization - Arkansas	20000.00
P31	EA	Travel and Mobilization - California	45000.00
P32	EA	Travel and Mobilization - Colorado	30000.00
P33	EA	Travel and Mobilization - Connecticut	50000.00
P34	EA	Travel and Mobilization - Delaware	50000.00
P35	EA	Travel and Mobilization - Florida	30000.00
P36	EA	Travel and Mobilization - Georgia	35000.00
P37	EA	Travel and Mobilization - Hawaii	300000.00
P38	EA	Travel and Mobilization - Idaho	45000.00
P39	EA	Travel and Mobilization - Illinois	30000.00
P40	EA	Travel and Mobilization - Indiana	30000.00
P41	EA	Travel and Mobilization - Iowa	30000.00
P42	EA	Travel and Mobilization - Kansas	30000.00
P43	EA	Travel and Mobilization - Kentucky	30000.00
P44	EA	Travel and Mobilization - Louisiana	20000.00
P45	EA	Travel and Mobilization - Maine	50000.00
P46	EA	Travel and Mobilization - Maryland	30000.00
P47	EA	Travel and Mobilization - Massachusetts	30000.00
P48	EA	Travel and Mobilization - Michigan	30000.00
P49	EA	Travel and Mobilization - Minnesota	30000.00
P50	EA	Travel and Mobilization - Mississippi	20000.00
P51	EA	Travel and Mobilization - Montana	30000.00
P52	EA	Travel and Mobilization - Nebraska	30000.00
P53	EA	Travel and Mobilization - Nevada	45000.00
P54	EA	Travel and Mobilization - New Hampshire	45000.00
P55	EA	Travel and Mobilization - New Jersey	50000.00
P56	EA	Travel and Mobilization - New Mexico	40000.00
P57	EA	Travel and Mobilization - New York	45000.00
P58	EA	Travel and Mobilization - North Carolina	30000.00
P59	EA	Travel and Mobilization - North Dakota	40000.00
P60	EA	Travel and Mobilization - Ohio	40000.00
P61	EA	Travel and Mobilization - Oklahoma	15000.00
P62	EA	Travel and Mobilization - Oregon	45000.00
P63	EA	Travel and Mobilization - Pennsylvania	40000.00
P64	EA	Travel and Mobilization - Rhode Island	45000.00
P65	EA	Travel and Mobilization - South Carolina	30000.00
P66	EA	Travel and Mobilization - South Dakota	40000.00
P67	EA	Travel and Mobilization - Tennessee	30000.00
P68	EA	Travel and Mobilization - Utah	30000.00
P69	EA	Travel and Mobilization - Vermont	40000.00
P70	EA	Travel and Mobilization - Virginia	40000.00
P71	EA	Travel and Mobilization - Washington	50000.00
P72	EA	Travel and Mobilization - West Varginia	30000.00
P73	EA	Travel and Mobilization - Wisconsin	40000.00
P74	EA	Travel and Mobilization - Wyoming	40000.00
P75	EA	Travel and Mobilization - Emergency Mobilization	10000.00
P76	EA	Travel and Mobilization - Rehab of Less Than 100 Ft	25000.00
P77	EA	Travel and Mobilization - Rehab of 101 Ft to 300 Ft	20000.00
P78	EA	Travel and Mobilization - Rehab of 301 Ft to 500 Ft	15000.00
P79	EA	Travel and Mobilization - Rehab of 501 Ft to 1000 Ft	10000.00