

## ADDENDUM NO. 2

TO: ALL PLAN HOLDERS

RE: City of Dierks, Arkansas  
Water System Improvement Project

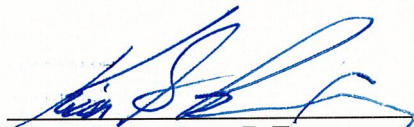
ADDENDUM DATE: October 31, 2024

The Plans, Specifications and Contract Documents for the above referenced project are hereby modified as follows:

1. **Bid Proposal Revised. Remove and replace with the attached.**
2. **Add Sheet 11 to plans. See attached.**
3. **Clarification-Contractors shall be prepared for Type 2 laying conditions. Reference Sheet 11.**

ADDENDUM NO. 2 ISSUED BY:

A.L. FRANKS ENGINEERING

  
Kiron Browning, P.E.  
Project Manager



**CITY OF DIERKS, ARKANSAS**  
**WATER SYSTEM IMPROVEMENTS**  
**BID PROPOSAL**

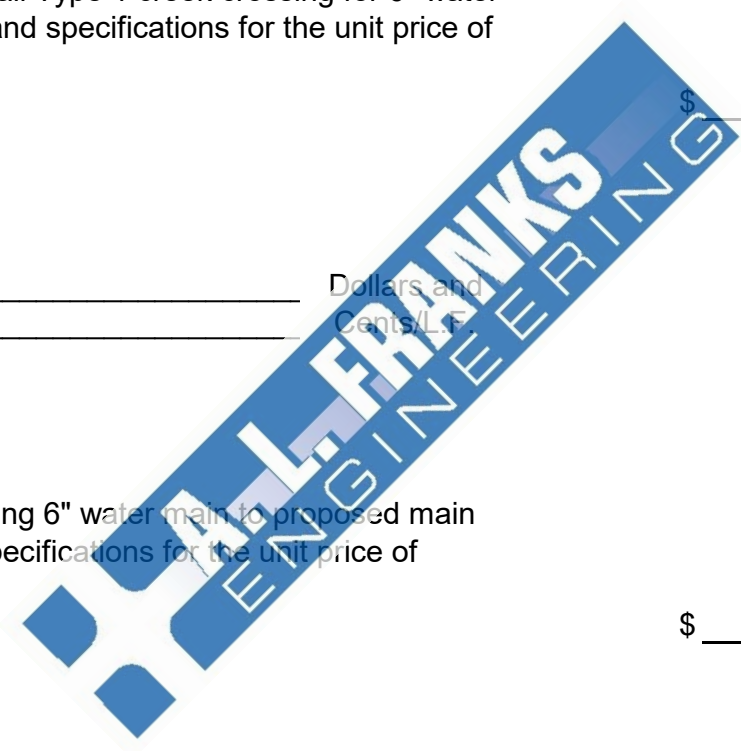
| ITEM | QTY  | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|------|------|---|------------|-------------|
| 1    | 1155 | L.F. | Furnish and Install 3" Water Main ( PVC SDR-21), Fittings, including trench excavation, laying, bedding, blocking and backfilling per plans and specifications for the unit price of<br><br>_____ Dollars and<br>_____ Cents/L.F. | \$ _____   | \$ _____    |
| 2    | 1    | EA   | Furnish and Install 3" Gate Valve including valve box and blocking per plans and specifications for the unit price of<br><br>_____ Dollars and<br>_____ Cents/EA  | \$ _____   | \$ _____    |

BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|-----|------|---|------------|-------------|
| 3    | 1   | EA   | Tie-in 3" to existing 6" water main to proposed main per plans and specifications for the unit price of   | _____      | \$ _____    |
|      |     |      | _____ Dollars and Cents/EA  |            |             |
| 4    | 225 | L.F. | Furnish and Install 6" Water Main (HDPE DR-11), Fittings, including trench excavation, laying, bedding, blocking and backfilling per plans and specifications for the unit price of | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and Cents/L.F.  |            |             |

BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION  | UNIT PRICE                         | TOTAL PRICE          |
|------|-----|------|--|------------------------------------|----------------------|
| 5    | 200 | L.F. | Furnish and Install Type 1 creek crossing for 6" water main per plans and specifications for the unit price of | _____<br>Dollars and<br>Cents/L.F. | \$ _____<br>\$ _____ |
| 6    | 2   | EA   | Tie-in 6" to existing 6" water main to proposed main per plans and specifications for the unit price of        | _____<br>Dollars and<br>Cents/EA   | \$ _____<br>\$ _____ |

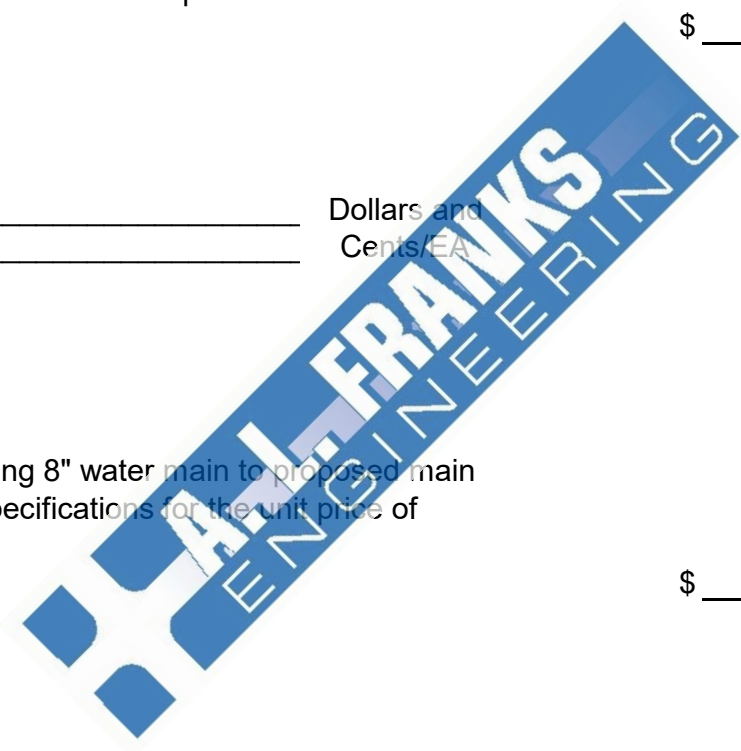


BID PROPOSAL CONTINUED

| ITEM | QTY  | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|------|------|---|------------|-------------|
| 7    | 2    | EA   | Furnish and Install 6" X 3" tapping sleeve and valve assembly per plans and specifications for the unit price of  | \$ _____   | \$ _____    |
|      |      |      | _____ Dollars and<br>_____ Cents/EA   |            |             |
| 8    | 6175 | L.F  | Furnish and install 8" C-900 treated water main and fittings including trench excavation, laying, bedding, blocking, and backfilling per plans and specifications for the unit price of | \$ _____   | \$ _____    |
|      |      |      | _____ Dollars and<br>_____ Cents/L.F.   |            |             |

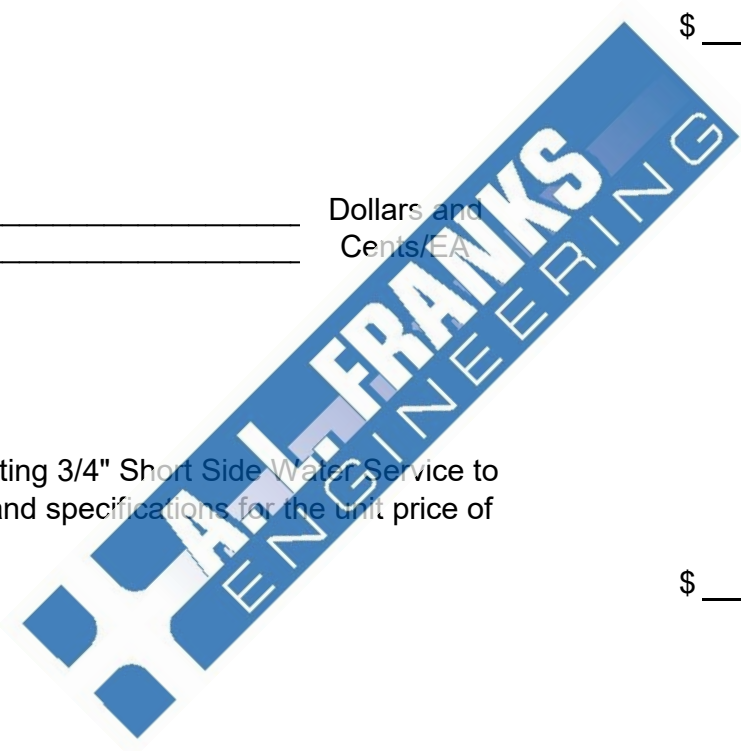
BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|-----|------|---|------------|-------------|
| 9    | 4   | EA   | Furnish and Install 8" Gate Valve including valve box and blocking per plans and specifications for the unit price of | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/EA   |            |             |
| 10   | 4   | EA   | Tie-in 8" to existing 8" water main to proposed main per plans and specifications for the unit price of               | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/EA   |            |             |



BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|-----|------|---|------------|-------------|
| 11   | 1   | EA   | Furnish and Install 2" Blow-Off Valves with valve marker per plans and specifications for the unit price of<br><br>_____ Dollars and<br>_____ Cents/EA  | \$ _____   | \$ _____    |
| 12   | 5   | EA   | Re-connect Existing 3/4" Short Side Water Service to main per plans and specifications for the unit price of<br><br>_____ Dollars and<br>_____ Cents/EA | \$ _____   | \$ _____    |



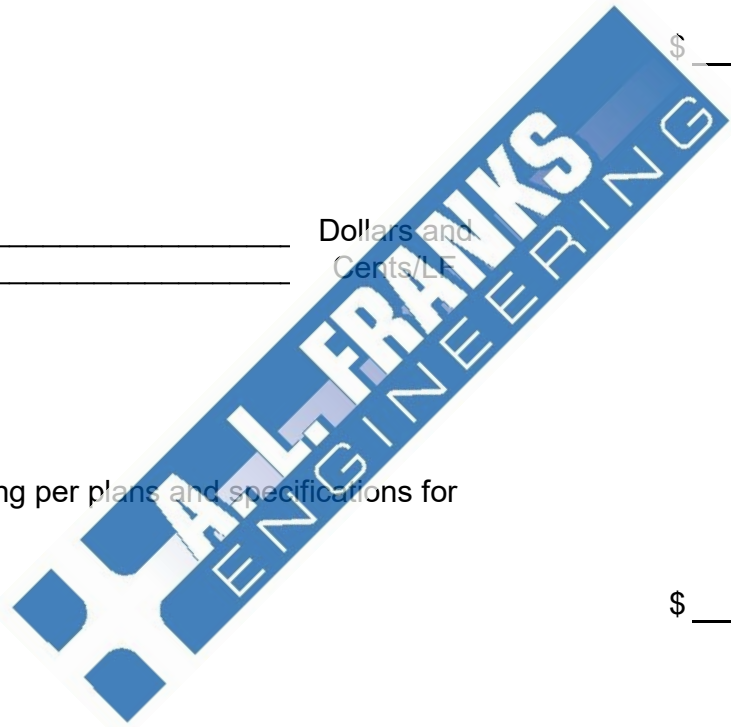
BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|-----|------|---|------------|-------------|
| 13   | 5   | EA   | Re-connect Existing 3/4" Long Side Water Service to main per plans and specifications for the unit price of   | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/EA   |            |             |
| 14   | 1   | L.S. | Furnish and Install 80 KW Emergency Generator with concrete pad, manual transfer switch, emergency lighting, including all electrical, conduit, wiring, diesel fuel, and appurtenances as described in the plans and specifications for the lump sum price of | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/LS   |            |             |



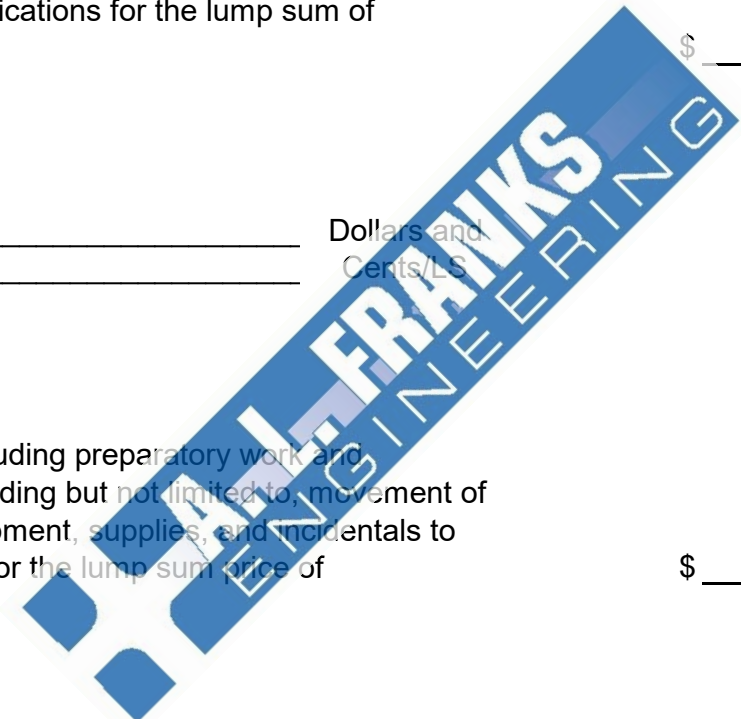
BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION  | UNIT PRICE | TOTAL PRICE |
|------|-----|------|--|------------|-------------|
| 15   | 150 | L.F. | Open Cut and Repair Asphalt Surface per plans and specifications for the unit price of | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/LF  |            |             |
| 16   | 1   | L.S. | Clear and grubbing per plans and specifications for the unit price of                  | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/LS  |            |             |



BID PROPOSAL CONTINUED

| ITEM | QTY | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|------|-----|------|---|------------|-------------|
| 17   | 1   | L.S. | Furnish all labor and install equipment for testing and sterilization of treated mains and appurtenances per plans and specifications for the lump sum of                                       | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/LS   |            |             |
| 18   | 1   | L.S. | Mobilization including preparatory work and operations, including but not limited to, movement of personnel, equipment, supplies, and incidentals to the project site for the lump sum price of | \$ _____   | \$ _____    |
|      |     |      | _____ Dollars and<br>_____ Cents/EA   |            |             |



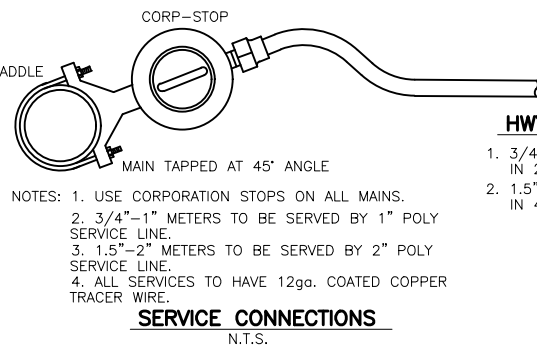
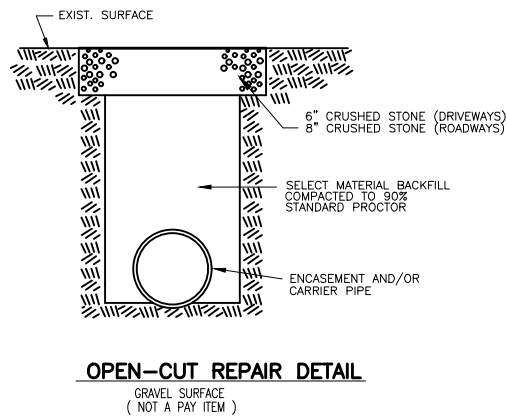
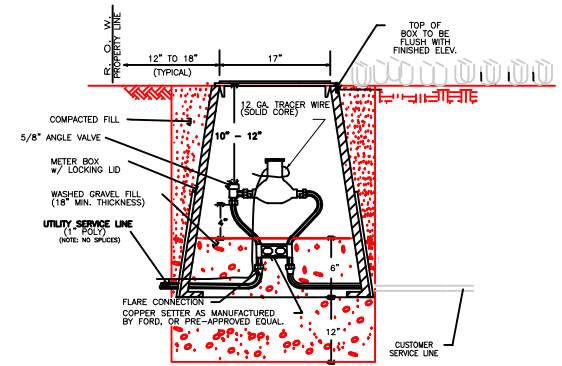
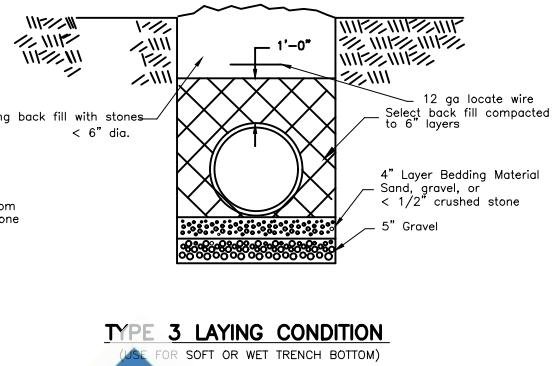
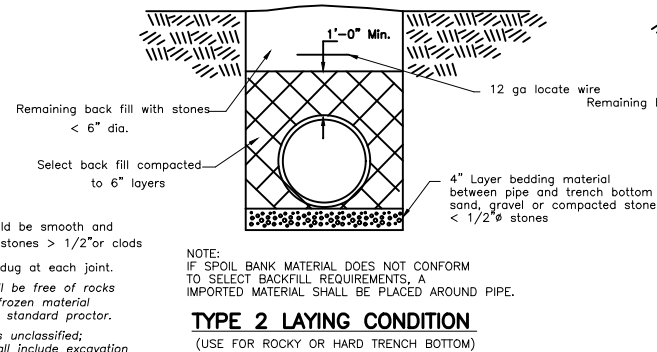
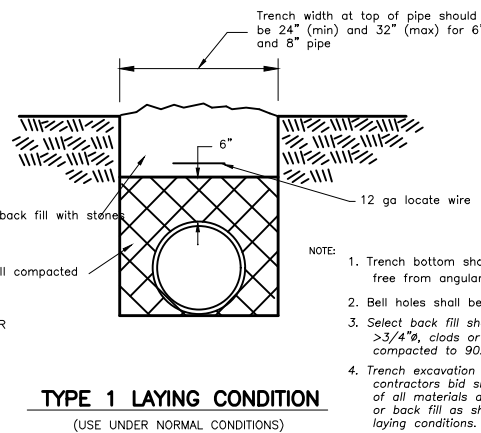
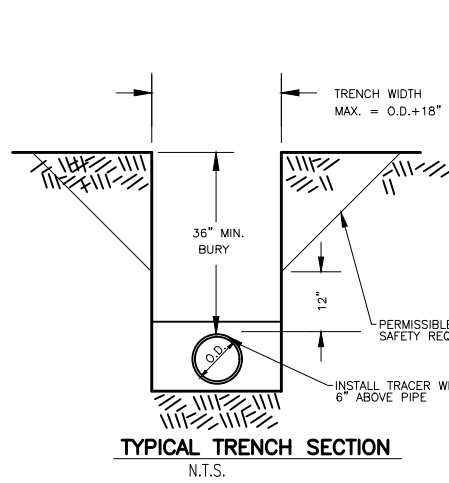
BID PROPOSAL CONTINUED

| ITEM | QTY  | UNIT | DESCRIPTION  | UNIT PRICE | TOTAL PRICE |
|------|------|------|--|------------|-------------|
| 19   | 1    | L.S. | Cut and Cap existing water mains as necessary per plans and specifications for the lump sum of   |            |             |
|      |      |      |  | \$ _____   | \$ _____    |
|      |      |      | _____ Dollars and _____ Cents/LS   | _____      | _____       |
|      |      |      | <b>TOTAL BASE BID</b>  | \$ _____   |             |
|      |      |      | <b>DEDUCTIVE ALTERNATE #1</b>  |            |             |
| 20   | 1500 | L.F. | <b>DEDUCT-</b> 8" C-900 PVC treated water main and fittings including trench excavation, laying, bedding, blocking, and backfilling per plans and specifications for the unit price of |            |             |
|      |      |      |  | \$ _____   | \$ _____    |
|      |      |      | _____ Dollars and _____ Cents/LF   | _____      | _____       |
|      |      |      | <b>TOTAL BASE LESS DEDUCTIVE #1</b>  | \$ _____   |             |

BID PROPOSAL CONTINUED

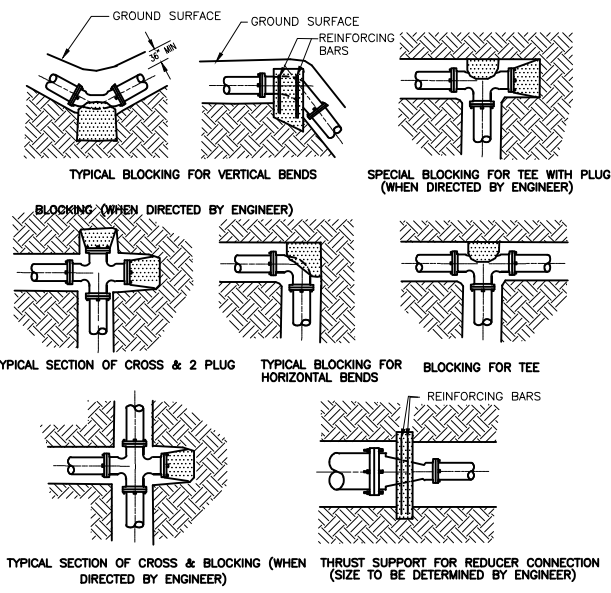
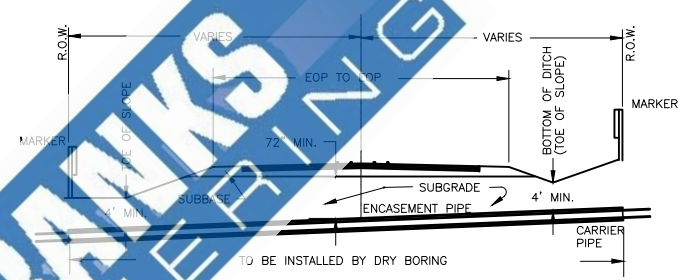
**DEDUCTIVE ALTERNATE #2**

| ITEM  | QTY  | UNIT | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|---|------|------|---|------------|-------------|
| 21  | 1    | L.S. | <b>DELETE- Item 14-</b> Furnish and Install 80 KW Emergency Generator with concrete pad, manual transfer switch, emergency lighting, including all electrical, conduit, wiring, diesel fuel, and appurtenances as described in the plans and specifications for the lump sum price of | _____      | \$ _____    |
| <p align="right">_____ Dollars and<br/>_____ Cents/L.S.</p>           |      |      |   |            |             |
| <b>TOTAL BASE LESS DEDUCTIVE #1 AND #2<br/>DEDUCTIVE ALTERNATE #3</b> |      |      |   | \$ _____   |             |
| 22  | 1500 | L.F. | <b>DEDUCT-</b> 8" C-900 PVC treated water main and fittings including trench excavation, laying, bedding, blocking, and backfilling per plans and specifications for the unit price of  | \$ _____   | \$ _____    |
| <p align="right">_____ Dollars and<br/>_____ Cents/L.F.</p>           |      |      |   |            |             |
| <b>TOTAL BASE LESS DEDUCTIVE #1, #2, AND #3</b>                       |      |      |   | \$ _____   |             |



**HWY SERVICE CROSSINGS**

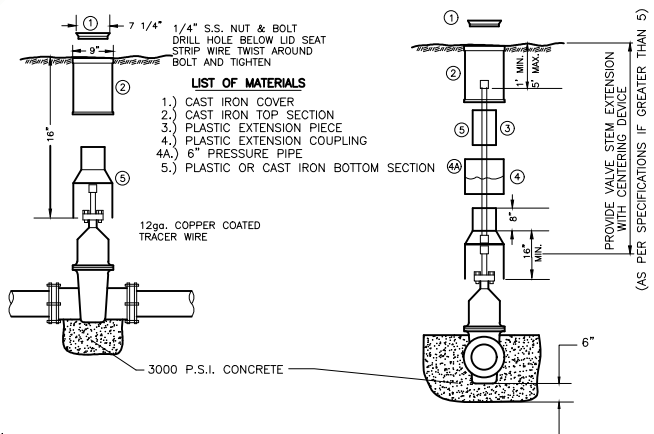
- 3/4"-1" METERS TO HAVE 1" POLY ENCASED IN 2" CLASS 200 CONTINUOUS PVC PIPE
- 1.5"-2" METERS TO HAVE 2" POLY ENCASED IN 4" CLASS 200 CONTINUOUS PVC PIPE



GENERAL DATA FOR BLOCKING STANDARD FITTING

| PIPE SIZE | PLUG   | TEE    | 90° BEND | 45° BEND | 22-1/2° BEND | 11-1/4° BEND |
|-----------|--------|--------|----------|----------|--------------|--------------|
| 2"        | 0.63   | 0.63   | 0.89     | 0.48     | 0.25         | 0.12         |
| 4"        | 0.63   | 0.63   | 0.89     | 0.48     | 0.25         | 0.12         |
| 6"        | 1.40   | 1.40   | 2.00     | 1.08     | 0.55         | 0.28         |
| 8"        | 2.50   | 2.50   | 3.55     | 1.92     | 0.98         | 0.49         |
| 10"       | 3.93   | 3.93   | 5.55     | 3.00     | 1.53         | 0.77         |
| 12"       | 5.65   | 5.65   | 8.00     | 4.33     | 2.21         | 1.11         |
| 14"       | 7.70   | 7.70   | 10.88    | 5.89     | 3.00         | 1.51         |
| 16"       | 10.05  | 10.05  | 14.21    | 7.89     | 3.85         | 1.97         |
| 18"       | 12.70  | 12.70  | 17.99    | 9.74     | 4.96         | 2.49         |
| 20"       | 15.71  | 15.71  | 22.22    | 12.02    | 6.13         | 3.08         |
| 24"       | 22.67  | 22.67  | 32.00    | 17.31    | 8.83         | 4.43         |
| 27"       | 28.63  | 28.63  | 40.48    | 21.91    | 11.17        | 5.61         |
| 30"       | 35.35  | 35.35  | 50.00    | 27.06    | 13.79        | 6.93         |
| 36"       | 50.90  | 50.90  | 72.98    | 38.95    | 19.89        | 9.98         |
| 42"       | 69.27  | 69.27  | 97.97    | 53.02    | 27.03        | 13.58        |
| 48"       | 90.48  | 90.48  | 127.96   | 69.25    | 35.30        | 17.74        |
| 54"       | 114.51 | 114.51 | 161.94   | 87.64    | 44.88        | 22.45        |

- NOTES ON THRUST BLOCKING:
- ALL BLOCKING SHALL BE ADAPTED TO THE SIZE AND TYPE OF FITTING. ALL BLOCKING SHALL BE CONCRETE HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 LBS PER SQ. INCH.
  - THrust blocking shall be designed on the basis of the thrust force exerted on the fitting. Thrust force shall be based on the test pressure of the pipe and fitting. Thrust force shall be based on the test pressure of the pipe and fitting. Thrust force shall be based on the test pressure of the pipe and fitting.
  - VERTICAL DOWN THRUST BLOCKS SHALL BE DESIGNED ON THE BASIS OF 2000 LBS PER SQ. FT. ALLOWABLE SOIL BEARING PRESSURE. ENGINEERS MAY BE DEPENDENT UPON THE OPINION OF THE ENGINEER IF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO ALLOWABLE BEARING VALUE.
  - THRUST BLOCKS ON HORIZONTAL BENDS, TEES, CROSSES, AND REDUCERS SHALL BE SPACED ON 2000 LBS PER SQ. FT. OF BEARING SURFACE AREA IN CONTACT WITH UNDESIGNED SOIL. ENGINEERS MAY BE DEPENDENT UPON THE OPINION OF THE ENGINEER IF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO THE ALLOWABLE BEARING VALUE.
  - ALL BLOCKING SHALL HAVE A MINIMUM SOIL COVER OF 1 FT.
  - ADDITIONAL REINFORCING MAY BE REQUIRED FOR HORIZONTAL BLOCKING TO HANDLE UNUSUAL SHEAR LOADING CONDITIONS.



| Date | Revision | By |
|------|----------|----|
|      |          |    |

|          |     |
|----------|-----|
| Designed | JCH |
| Checked  | ALF |
| Drawn    | JCH |
| Approved | ALF |

**A.L. FRANKS ENGINEERING**

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Texarkana, Arkansas 71854  
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**CITY OF DIERKS, AR**  
**WASTEWATER TREATMENT PLANT**  
**IMPROVEMENTS**

**MISCELLANEOUS DETAILS**

Job No.: SCW-02-20  
Scale: 1"=75'  
Date: JULY 2020  
Sheet 11

STATE OF ARKANSAS  
LICENSED PROFESSIONAL ENGINEER  
No. 16656  
SCOTT BROWNING