

City of Fife
Public Works Department
5411 23rd Street East
Fife, WA 98424



Attention: All Bidders and Planholders

Benthien Loop Utilities
And
Lakes Apartments and Fife Business Park
Water Service Replacement

Addendum No. 2

Addendum No. 2 does not extend the Bid Opening Date. Bid opening will occur on November 16, 2018 at 10:00 a.m. PST.

These amendments are in response to Contractor's questions at the Pre-Bid Walk Through, Contractor's questions received after the Pre-Bid Walk Through, and decisions by the City of how they intend to Bid the project.

Contractor's Questions:

1. Will there be inside drops in the existing sanitary sewer manholes where the new force main connects into Pierce County's sewer manholes?

Response: The force main will discharge directly into the manholes. No drops will be installed.

2. What revisions did Addendum No. 1 include that would impact bidding?

Response: Addendum No. 1 included deleting the crushed surfacing base course from Schedule 2 since it is included in the price of the water mains, added that the City will supply grade rings and manhole frames and grates, and added that PSE may be doing work in the project area.

3. There was no *Bid Bond Form* included in the Contract Documents?

Response: A *Bid Bond Form* is included in this Addendum No. 2.

4. Is the project Fully Funded?

Response: Ken Gill will announce at the Bid Opening the total amount of funds available. Based on the bids received and the total funds available the City will determine whether to award one, two or all three of the projects.

5. There are two wage rates included in the Contract Documents. Which wage rate do we need to use?

Response: The Contractor must pay the higher of the two wage rates.

6. The schedule says that the Lakes Apartments and Fife Business Park Water Service Replacement must be completed in 30 working days. Does one part of the project have to be completed before the other part can begin or can they be constructed at the same time?

Response: It is up to the Contractor how they want to construct the projects. They can be constructed at the same time or one after the other.

7. Several items in the Bid Schedules say “Estimate (EST)” but no value was provided.

Response: Bid Schedules have been revised under Addendum No. 2 to remove items previously listed with an Estimated Quantity of “Est” to now state Lump Sum (LS) or to provide a value.

8. Are any of the buildings being removed to construct 2nd St E? (it’s hard to tell the alignment from the plans)

Response: Based on the field survey there are no permanent structures being removed to construct 2nd Street E. There are two, a shed and a garage, that may be within five feet of the right-of-way for 2nd Street E.

9. Are there underground tanks in this area?

Response: No Phase I Environmental Site Assessment was completed for this project area. A search of the Washington State Department of Ecology’s Toxic Cleanup Program – “What’s in My Neighborhood” showed no underground storage tanks within or adjacent to the project site.

10. Schedule 4 bid items 15-27, what is to be included in these items? The spec that is referenced is for pavement markers.

Response: The Specification Section should have been 8-19 for both Lakes Apartments and Fife Business Park Sites. The reference has been corrected in the Schedules included in this Addendum No. 2.

11. Schedule 1 missing item and quantities for “Roadway Excavation and Haul”.

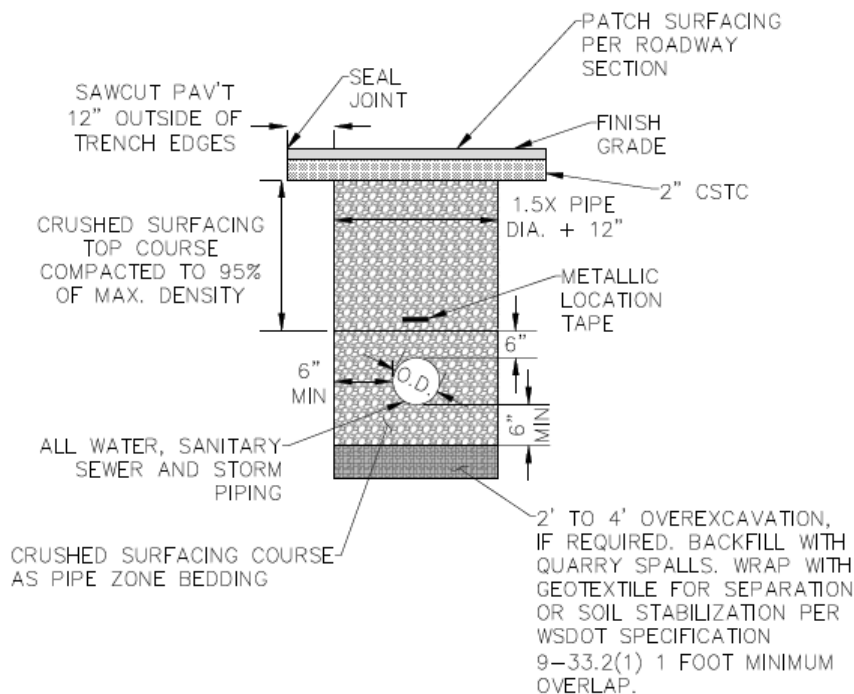
Response: Roadway Excavation and Haul has been added to the bid schedule.

12. Schedule 1 missing item and quantities for “Embankment Compaction”.

Response: No item for “Embankment Compaction” will be provided in bid schedule. Per Section 2-03.5 if the Bid Item “Embankment Compaction” is not provided in the Proposal, compensation shall be included in payment for other items of Work in the Contract.

13. The trench detail in the plans shows 2’ to 4’ of foundation material if required.

Response: Bid items for the quarry spalls (revised from rip-rap) and the filter fabric have been added to Bid Schedules 2 and 3. The cost of the excavation will be paid for under Shoring or Extra Excavation Class B. Replace the Public Utility Detail on plan Sheet 8 of 64 with this Public Utility Trench Detail Revised.



NOTES:

1. CRUSHED SURFACING TOP COURSE PER WSDOT SPECIFICATION 9-03.9(3).
2. ALL TESTING OF BACKFILL AND COMPACTION SHALL BE IN CONFORMANCE WITH ASTM D-1557.

REVISED

PUBLIC UTILITY TRENCH DETAIL

NOT TO SCALE
FOR ALL WATER AND SEWER AND STORM WITHIN
RIGHT-OF-WAY AND EASEMENTS

The Contract Plans, Contract Provisions, Special Provisions and Appendices for this project are amended as follows:

Contract Provisions

- On pages 3 through 8 of the Proposal Forms, delete all Bid Schedules and replace them with the following:**

Base Bid

Schedule 1 – Roadway (Rule 170 Applies)

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
1.	1-09.7	Mobilization	1	LS	\$	\$
2.	2-02	Removal of Structures and Obstructions	1	LS	\$	\$
3.	2-01	Clearing and Grubbing	0.25	Acre	\$	\$
4.	9-05.7(1)	Plain Conc. Storm Sewer Pipe 12 In.	60	LF	\$	\$
5.	9-13.1	Quarry Spalls	4	CY	\$	\$
6.	2-03	Grinding	5,500	SY	\$	\$
7.	2-03	Roadway Excavation Incl. Haul	400	CY	\$	\$
8.	2-03	Ditch Excavation Incl. Haul	50	CY	\$	\$
9.	3-01	Gravel Base	710	Ton	\$	\$
10.	3-01	Crushed Surfacing Top Course	670	Ton	\$	\$
11.	5-04	HMA Cl. ½ In. PG 64-32	1,560	Ton	\$	\$
12.	8-01	Erosion/Water Pollution Control	1	LS	\$	\$
13.	8-01	Silt Fence	840	LF	\$	\$
14.	8-01	Check Dams	16	EA	\$	\$
15.	8-22	Paint Line	100	LF	\$	\$
16.	8-22	Plastic Stop Line	20	LF	\$	\$
17.	1-10	Project Temporary Traffic Control	1	LS	\$	\$
18.	8-02	Property Restoration	1	LS	\$	\$
19.	8-02	Ditch Restoration	300	LF	\$	\$
20.	8-13	Surface Monument	1	EA	\$	\$
21.	1-05.4	Roadway Surveying	1	LS	\$	\$
22.	1-05.4	Licensed Surveying	1	FA	\$1,000	\$1,000

23.	8-21	Permanent Signing	1	LS	\$	\$
24.	8-05	Compost Amended Vegetated Filter Strips (CAVFS)	450	LF	\$	\$
25.	2-03.3(14)E	Unsuitable Foundation Excavation and Haul	1	Est	\$10,000	\$10,000

SUBTOTAL, ALL SCHEDULE 1 BID ITEMS \$_____

SALES TAX @ 9.9% \$_____

TOTAL SCHEDULE 1 CONSTRUCTION COST \$_____

Schedule 2 – Water (Rule 170 Applies)

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
1.	1-09.7	Mobilization	1	LS	\$	\$
2.	7-09	Dewatering (Minimum Bid \$75,000)	1	LS	\$	\$
3.	2-02	Removal of Structures and Obstructions	1	LS	\$	\$
4.	7-12	Gate Valve 8 In.	4	EA	\$	\$
5.	7-12	Gate Valve 12 In.	12	EA	\$	\$
6.	7-12	Comb. Air Release/Air Vacuum Valve Assembly	3	EA	\$	\$
7.	7-14	Hydrant Assembly	9	EA	\$	\$
8.	7-09	Class 50 DI Pipe for Water Main 6 In. Diam	88	LF	\$	\$
9.	7-09	Class 50 DI Pipe for Water Main 8 In. Diam	2,220	LF	\$	\$
10.	7-09	Class 50 DI Pipe for Water Main 12 In. Diam	1,650	LF	\$	\$
11.	7-09	Connect to Existing Water Main	4	EA	\$	\$
12.	7-15	Service Connection ¾ In. Diam	24	EA	\$	\$
13.	7-15	Service Connection 1 In. Diam	1	EA	\$	\$
14.	7-15	Service Connection 1.5 In. Diam	1	EA	\$	\$
15.	3-01	Crushed Surfacing Base Course	3,800	Ton	\$	\$
16.	9-05.12(1)	Solid Wall PVC Storm Sewer Pipe 12 In. Diam.	80	LF	\$	\$
17.	8-01	Erosion/Water Pollution Control	1	LS	\$	\$
18.	8-01	Silt Fence	900	LF	\$	\$
19.	2-09	Shoring or Extra Excavation Class B	1	LS	\$	\$
20.	1-04.4(1)	Minor Change	1	Calc	\$10,000	\$10,000
21.	2-09.3(1)E	Controlled Density Fill	3	CY	\$	\$
22.	2-05	Potholing at Connections and Existing Utility Crossings	7	EA	\$	\$
23.	1-05.18	Record Drawings (Minimum Bid \$2,500)	1	LS	\$	\$
24.	1-05.4	Roadway Surveying	1	LS	\$	\$
25.	1-05.4	Licensed Surveying	1	FA	\$1,000	\$1,000

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
26.	7-02	Steel Casing Pipe for Water Main 12 In. Diam.	40	LF	\$	\$
27.	1-07.15(1)	SPCC Plan	1	LS	\$	\$
28.	7-09	Abandon Existing Water Main	1	EA	\$	\$
29.	9-13.1	Quarry Spalls	100	CY	\$	\$
30.	9-33	Geotextile for Separation	1300	SY	\$	\$

SUBTOTAL, ALL SCHEDULE 2 BID ITEMS \$ _____

SALES TAX @ 9.9% \$ _____

TOTAL SCHEDULE 2 CONSTRUCTION COST \$ _____

Schedule 3 – Sewer (Rule 170 Applies)

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
1.	1-09.7	Mobilization	1	LS	\$	\$
2.	7-09	Dewatering (Minimum Bid \$25,000)	1	LS	\$	\$
3.	7-05	Adjust Manhole	3	EA	\$	\$
4.	7-17	HDPE Sanitary Sewer Pipe 2 In. Diam.	2,035	LF	\$	\$
5.	7-17	HDPE Sanitary Sewer Pipe 3 In. Diam.	448	LF	\$	\$
6.	7-17	Testing Sewer Pipe	2,483	LF	\$	\$
7.	7-17	Combination Sewer Air/Valve	4	EA	\$	\$
8.	7-18	Side Sewer Connections	27	EA	\$	\$
9.	7-19	Sewer Cleanout	3	EA	\$	\$
10.	7-05	Connect to Existing Manhole	3	EA	\$	\$
11.	8-01	Erosion/Water Pollution Control	1	LS	\$	\$
12.	2-09	Shoring or Extra Excavation Class B	1	LS	\$	\$
13.	1-04.4(1)	Minor Change	1	Calc	\$10,000	\$10,000
14.	1-05.18	Record Drawings (Minimum Bid \$1,000)	1	LS	\$	\$
15.	1-05.4	Roadway Surveying	1	LS	\$	\$
16.	2-09	Structure Excavation Class B Incl. Haul	1,400	CY	\$	\$
17.	1-05.4	Licensed Surveying	1	FA	\$1,000	\$1,000
18.	9-13.1	Quarry Spalls	60	CY	\$	\$
19.	9-33	Geotextile for Separation	850	SY	\$	\$

SUBTOTAL, ALL SCHEDULE 3 BID ITEMS \$ _____

SALES TAX @ 9.9% \$ _____

TOTAL SCHEDULE 3 CONSTRUCTION COST \$ _____

TOTAL BASEBID (SCHEDULES 1,2 and 3) CONSTRUCTION COST \$ _____

Alternative A1

Schedule 4 – Fife Business Park (Rule 170 Applies)

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
1.	1-04	Minor Change	1	Eq. Adj.	\$ 2,500	\$2,500
2.	1-05	Record Drawings (Min. Bid \$500)	1	LS	\$	\$
3.	1-09	Mobilization	1	LS	\$	\$
4.	1-10	Project Temporary Traffic Control Fife Business Park	1	LS	\$	\$
5.	2-02	Utility Potholing	10	Each	\$	\$
6.	2-09	Shoring or Extra Excavation Cl. B Fife Business Park	1	LS	\$	\$
7.	8-01	Erosion/Water Pollution Control Fife Business Park	1	LS	\$	\$
8.	8-01	Stormwater Pollution Prevention Plan	1	LS	\$	\$
9.	8-03	Irrigation System Modification Fife Business Park	1	FA	\$2,000	\$2,000
10.	8-05	Resolution of Utility Conflicts	1	FA	\$20,000	\$20,000
11.	8-19	Fife Business Park Site 1	1	LS	\$	\$
12.	8-19	Fife Business Park Site 2	1	LS	\$	\$
13.	8-19	Fife Business Park Site 3	1	LS	\$	\$
14.	8-19	Fife Business Park Site 4	1	LS	\$	\$
15.	8-19	Fife Business Park Site 5	1	LS	\$	\$
16.	8-19	Fife Business Park Site 6	1	LS	\$	\$

SUBTOTAL, ALL SCHEDULE 4 BID ITEMS \$ _____

SALES TAX @ 9.9% \$ _____

TOTAL SCHEDULE 4 CONSTRUCTION COST \$ _____

Alternative A2

Schedule 5 – Lakes Apartments (Rule 170 Applies)

Item No.	Spec. Sect.	Description	Est. Qty.	Unit	Unit Price	Amount
1.	1-04	Minor Change	1	Eq. Adj.	\$ 2,500	\$2,500
2.	1-05	Record Drawings (Min. Bid \$500)	1	LS	\$	\$
3.	1-09	Mobilization	1	LS	\$	\$
4.	1-10	Project Temporary Traffic Control	1	LS	\$	\$
5.	2-02	Utility Potholing	10	Each	\$	\$
6.	2-09	Shoring or Extra Excavation Cl. B Lakes Apartments	1	LS	\$	\$
7.	8-01	Erosion/Water Pollution Control Lakes Apartments	1	LS	\$	\$
8.	8-01	Stormwater Pollution Prevention Plan	1	LS	\$	\$
9.	8-03	Irrigation System Modification Lakes Apartments	1	FA	\$2,000	\$2,000
10.	8-05	Resolution of Utility Conflicts	1	FA	\$10,000	\$10,000
11.	8-19	Lakes Apartments Site 1	1	LS	\$	\$
12.	8-19	Lakes Apartments Site 2	1	LS	\$	\$
13.	8-19	Lakes Apartments Site 3	1	LS	\$	\$
14.	8-19	Lakes Apartments Site 4	1	LS	\$	\$
15.	8-19	Lakes Apartments Site 5	1	LS	\$	\$
16.	8-19	Lakes Apartments Site 6	1	LS	\$	\$
17.	8-19	Lakes Apartments Site 7	1	LS	\$	\$

SUBTOTAL, ALL SCHEDULE 5 BID ITEMS \$ _____

SALES TAX @ 9.9% \$ _____

TOTAL SCHEDULE 5 CONSTRUCTION COST \$ _____

Project Totals (Schedules 1, 2, 3, 4 and 5)

TOTAL SCHEDULE 1 CONSTRUCTION COST \$ _____
TOTAL SCHEDULE 2 CONSTRUCTION COST \$ _____
TOTAL SCHEDULE 3 CONSTRUCTION COST \$ _____
TOTAL BASE BID \$ _____

TOTAL SCHEDULE 4 (ALT 1) CONSTRUCTION COST \$ _____

TOTAL SCHEDULE 5 (ALT 2) CONSTRUCTION COST \$ _____

PROJECT TOTAL CONSTRUCTION COSTS – PREFERENCE 1 (Base Bid + Alt 1 + Alt 2)
\$ _____

PROJECT TOTAL CONSTRUCTION COSTS – PREFERENCE 2 (Base Bid + Alt 1)
\$ _____

PROJECT TOTAL CONSTRUCTION COSTS – PREFERENCE 3 (Base Bid)
\$ _____

2. **On page 10 of the Proposal Forms delete the reference to “Insert Bid Security Here” and insert the following Bid Bond Form following page 10:**

BID BOND FORM

Herewith find deposit in the form of a certified check, cashier's check, cash or bid bond, in the amount of _____ (\$ _____), which is not less than five percent (5%) of the total bid.

Sign here _____

BID BOND

KNOW ALL PEOPLE BY THESE PRESENTS:

That I/we, _____ as Principal, and that I/we, _____ as Surety, are held firmly bound unto the City of Fife, Washington, as Obligee, in the penal sum of \$ _____ (\$ _____), for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for the **Benthien Loop Utilities and Lakes Apartments and Fife Business Park Water Service Replacement** Projects according to the terms of the proposal or bid made by the Principal thereto, and the Principal shall duly make and enter into a Contract with the Obligee in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall, in case of failure to do so, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the amount of this bond.

Signed, sealed, and dated this _____ day of _____, _____.

Principal

Surety

Note: Power of Attorney shall be attached.

Attorney in Fact

Received return deposit in the sum of \$ _____ (\$ _____)

Bond No.: _____

Special Provisions

On page 2 of the Special Provisions, delete the Description of Work and replace it with the following:

DESCRIPTION OF WORK

(March 13, 1995, WSDOT GSP)

This Contract provides for the improvement of ***

Benthien Loop Utilities

Construction of City owned water mains, sewer force mains, service connections, and roadways.

Lakes Apartments and Fife Business Park Water Service Replacement

Removing existing meters and service lines throughout Lakes Apartments and Fife Business Park and replacing meters and services and installing reduced pressure backflow and double check valve assemblies as needed; separating existing irrigation deduct meters and providing separate irrigation meters, and associated restoration as required.

For both projects the City of Fife will supply meter setters, meters, hotboxes and radio read units for the Contractor to install. For Benthien Loop Utilities the City of Fife will supply grade rings, and manhole frame and cover with water tight locking lid.

The meter setters, meters, radio read units, hotboxes, grade rings and manhole frame and covers may be picked up at:

Fife City Public Works Department

Contact: Art Gregg, email: agregg@cityoffife.org or Ken Gill, email: gill@cityoffife.org

5411 23rd Street East

Fife, WA 98424

during normal business hours.

*** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-02.6 Preparation of Proposal

Section 1-02.6 is supplemented with the following:

(August 3, 2015)

Cumulative Alternates Bidding

The Bid Proposal for this Contract requires the Bidder to bid cumulative Alternates as part of the bid. As such the Bidder is required to submit a Base Bid and a bid for each of the Alternate(s).

Bid Proposal

The Bid Proposal includes the following:

1. Base Bid

The Base Bid shall include constructing all items included in the Proposal *except* those items contained in the Alternate(s).

2. Alternate(s)

a. Alternate A1

Based on constructing (** Schedule 4 – Fife Business Park **)

The Bid items for Alternate A1 are as listed in the Bid Proposal.

b. Alternate A2

Based on constructing (** Schedule 5 – Lakes Apartments **)

The Bid items for Alternate A2 are as listed in the Bid Proposal.

Bidding Procedures

To be considered responsive the Bidder shall submit a price on each and every Bid item included in the Base Bid and all Alternate(s.)

The successful Bidder will be the Bidder submitting the lowest responsible Bid for the highest order Preference that is within the amount of available funds for the project. Available funds will be announced immediately prior to the opening of Bids. The following are listed in order from highest to lowest Preference:

- Preference 1: Lowest total for Base Bid plus Alternate A1 plus Alternate A2.
- Preference 2: Lowest total for Base Bid plus Alternate A1.
- Preference 3: Lowest total for Base Bid.

The Contracting Agency may, at their discretion, award a Contract for the Base Bid, without any additional Alternates, in the event that all Bids exceed the available funds announced. In any case, the award will be subject to the requirements of Section 1-03.

7-09.4 Measurement

Section 7-09.4 is supplemented with the following:

(*****)

Connect to Existing Water Main shall be measured per each.

7-09.5 Payment

Section 7-09.5 is supplemented with the following:

(*****)

“Connect to Existing Water Main”, per each shall be full pay for all work associated with installing new connections with the existing water main including removing portions of existing ductile iron pipe, trench excavation, bedding, laying and jointing pipe and fittings, reducers, tees, bends, blind flanges, flanged coupling adapters, restrained joints and couplings, backfilling, concrete thrust blocking, temporary jumper connection and or

blowoffs, testing, flushing, disinfecting the pipeline, clean-up, and all other work as specified.

Add the following new section:

(*****)

7 -16 STEEL CASING

7-16.1 Description

This Work consists of constructing water main casings in accordance with the Plans, these Standard Specifications, the Special Provisions and the Standard Plans, at the location shown on the Plans.

7-16.2 Materials

Materials shall meet the requirements of the following sections:

Steel Pipe (6 Inches and Over)	9-30.1(4)A
Grout	9-30.2(2)
Casing Spacers	9-30.2(3)

The steel pipe shall have a shop-applied anti-corrosive coating on casing exterior conforming to AWWA C210. Minimum coating thickness shall be 16 mils DFT (do not exceed manufacturer's maximum thickness). Product shall be equal to Tnemec Hi-Build Tneme-Tar Series 46H-413.

Minimum thickness of steel pipe shall be 0.25”.

7-16.3 Construction Requirements

7-16.3(1) General Pipe Installation

Pipe shall be installed in accordance with the manufacturer's printed Specifications and instructions, and to the standards of the AWWA for installing the type of pipe used. The Contractor shall provide tools and equipment, including any special tools required for installing each particular type of pipe used.

7-16.3(2) Handling of Pipe

Pipe shall be handled in a manner that will prevent damage to the pipe, pipe lining, or coating. Pipe and fittings shall be loaded and unloaded using hoists and slings in a manner to avoid shock or damage, and under no circumstances shall they be dropped, skidded, or rolled against other pipe. If any part of the coating or lining is damaged, repair thereof shall be made by the Contractor at no additional expense to the Contracting Agency and in a manner satisfactory to the Engineer. Damaged pipe shall be rejected, and the Contractor shall immediately place damaged pipe apart from the undamaged and shall remove the damaged pipe from the site within 24 hours. Dirt or other foreign material shall be prevented from entering the pipe or pipe joint during handling or laying operations, and any pipe or fitting that has been installed with dirt or foreign material in it shall be removed, cleaned, and re-laid. At times when pipe laying is not in

progress, the open ends of the pipe shall be closed by a watertight plug or by other means approved by the Engineer to ensure cleanliness inside the pipe.

7-16.3(3) Grouting

Grouting equipment shall effectively mix and agitate the grout, and force the grout holes at the specified pressure. Grouting hoses and supply lines shall not be less than 1-1/2 inches normal inside diameter. Grouting equipment shall include a flow meter and pressure gauges, and shall provide for continuous grout circulation in the system and allow accurate control of the pressure by operation of a valve on the grout return line. Grouting equipment and lines shall be maintained in good operational condition to provide uninterrupted service during grouting.

The Contractor shall provide holes in the casing pipe with connection devices for connecting grouting hoses as may be necessary to fill all voids in and around the casing pipe with grout. The grout shall be injected at a pressure not to exceed 25 psi, or one-half the overburden pressure calculated from the top of the casing pipe to the ground surface, whichever is less. The Contractor shall monitor and control the grouting pressure throughout the grouting operation in order to prevent damage to existing facilities. Grouting shall be performed continuously until completed for each location.

7-16.3(4) Welding

Steel casing sections shall be connected by seam welding. The seam shall be a butt joint. Field welding shall conform to AWWA Standard C206. Carrier pipes shall not be spiral welded.

7-16.3(5) Protection at Ends of Casing

Casing ends shall be sealed with a manufactured rubber sealing device.

7-16.4 Measurement

Measurement for payment of pipe for water main casings will be by the linear foot of pipe laid and tested and shall be measured along the pipe.

7-16.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

“Steel Casing Pipe for Water Main”, per linear foot.

8-02 ROADSIDE RESTORATION

8-02.1 Description

Supplement this section with the following:

(*****)

Property Restoration shall include private property restoration, Roadside Cleanup per Section 2-01, and Trimming and Cleanup per Section 2-11.

The Contractor shall restore all areas damaged (disturbed) by construction operations to their original or better condition. This may include cleaning, pruning, and restoring fencing, vegetation, and other objects or structures not covered by a specific bid item.

All finished pruning must be done according to recognized, approved standards of the industry (reference the National Arborist Association Pruning Standards for Shade Trees [NAAPSST]). All pruning shall be done in accordance with the Class II requirements, as described in NAAPSST. The Contractor shall trim all vegetation adjacent to and above the new improvements such that there is a vertical clearance of 9 feet from the surface and 1 foot from the sides of the new improvements.

The Contractor shall videotape each construction area both prior to construction and after the work is completed.

8-02.4 Measurement

Supplement this section with the following:

(*****)

No specific unit of measurement will apply to the lump sum item of "Property Restoration".

8-02.5 Payment

Supplement this section with the following:

(*****)

"Property Restoration", per lump sum.

The lump sum contract price for "Property Restoration" shall be full pay for all labor, materials, and equipment to restore all damaged areas to the original or better condition.

Videotaping of the construction area both prior to construction and after the work is completed shall be incidental to the "Property Restoration".

9-30 WATER DISTRIBUTION MATERIALS

Add the following new section:

(*****)

9-30.2(2) Grout

Grout used to fill voids in and around casing pipes shall be produced using Type I or II Portland cement, fine aggregate (sand), and water which are properly proportioned to produce a 7-day compressive strength of 1,000 psi as determined by AASHTO T 106. The grout shall be a workable mix with a consistency suitable for the intended application. The Contractor shall submit the proposed mix design for approval by the County prior to use.

Add the following new section:

(*****)

9-30.2(3) Casing Spacers

The carrier pipe and casing shall be separated by a spacer manufactured from high density polyethylene. Spacer shall be installed to support the weight of the carrier pipe and its contents. As a minimum, the spacer shall be placed a maximum of three foot from each side of a joint and evenly spaced along the carrier pipe with three spacers per each length of carrier pipe. Timber skids are not allowed. Casing spacer shall be sized according to the manufacture's specifications for pipe sizes.

Ken Gill
City Engineer – City of Fife