



**IFB NO. 500620-FY19-49
WIRT STREET WATER LINE IMPROVEMENTS**

ADDENDUM NO. 1

MAY 24, 2019

Item 1: Modified Bid Due Date

Bidders shall be mindful of the following change in the bid due date:

- Bids must be received by the Town of Leesburg no later than 2:00 p.m. on Friday, May 31, 2019.

Item 2: Pre-Bid Meeting Attendees

- The list of attendees (sign-in sheet) for the non-mandatory pre-bid meeting is attached

Item 3: Pre-Bid Meeting Overview

- All information regarding this project can be found on the Town's Bid Board:
<http://www.leesburgva.gov/bidboard>
- The Town will send courtesy emails, such as addenda, to those registered to receive updates
- Question deadline is 5:00 p.m. on Friday, May 17, 2019
- Up until contract award, all questions must be submitted in writing to:
bidquestions@leesburgva.gov
- Unless modified via addendum, bids are due on Thursday, May 30, 2019 @ 3:00 p.m., no late bids will be accepted (*Note: Due date has been modified, See Item No. 1 of this addendum*)
- Bid Response Forms can be found on Pages 7-14 of IFB
- A Bid Bond equal to 5% of the Total Bid Price shall be included with your Bid
- Deliver bids to the First Floor receptionist located in Town Hall, 25 W. Market Street, Leesburg, VA 20176
- At the bid due date/time, a public bid opening will be held in the Lower Level Conference Room #2 of Town Hall

Item 4: Pre-Bid Meeting Scope of Work Discussion

Town Staff described the scope of work as listed in the advertisement:

- The purpose of this IFB is to establish a contract with a qualified contractor for the installation of waterline, maintenance of traffic, removal of existing waterline, etc.
- Instructions to Bidders & Scope of Work can be found on Pages 24-37 of IFB
- General Conditions GC1-GC85
- Appendix A: Drawings Sheets 1-2
- Construction staging areas must be identified and obtained by the Contractor; however, the Contractor may apply for a VDOT permit at their own expense if the Contractor chooses to use the existing interchange area at South King St. The Town may be indicated as the project owner on a permit application for staging in the VDOT Right of Way.

Item 5: Responses to Questions Received

Please note the following responses to the questions received:

Question 1: What are the liquidated damages?

Response 1: Liquidated Damages are \$1,000 per day as indicated on Page 29 of the Instructions to Bidders.

Section 3.2 (A.)(a.) of the Sample Agreement has been revised to the following:

“For each day that expires after the time established to achieve Substantial Completion as specified above, CONTRACTOR shall pay TOWN liquidated damages in the amount of **\$1,000 per day.**”

Section 3.2 (A.)(b.) of the Sample Agreement has been revised to the following:

“For each day that expires after the time established to achieve Final Completion as specified above, CONTRACTOR shall pay TOWN liquidated damages in the amount of **\$1,000 per day.**”

Question 2: On Davis, will you run an 8-inch? Is there a shutoff valve?

Response 2: This project will upgrade the 4” water lines that run perpendicular to Wirt St SW on Davis Ave near the intersection of Wirt St SW and Davis Ave SW to 6” and 8” lines. See the attached sketches labeled Location F- Step 1, Location F - Step 2, and Location F- Step 3 for details of water line abandonment and new installation. There are valves available that may be used for shut offs.

Question 3: Will you change the bid form to reflect the 8-inch change?

Response 3: Yes. Please see the revised bid form attached to this addendum and the associated pay item as follows:

8” C900 DR 18 Water Line (Pay Item #5): Linear foot price to fully compensate the contractor for installation of water line, tracer wire, marking tape, and all appurtenances needed to have a functional waterline. Backfill material shall be 21-A, and shall be compacted in 18" lifts from the bedding material to subgrade. Removal of existing fire hydrants, valves, valve boxes with covers, and water pipes, if encountered, shall be considered incidental to all other items of work. Abandon existing waterline in place including caps or bulkheads to close the system.

Question 4: What are the working hours?

Response 4: 9:00 am to 3:30 pm, Monday through Friday as shown on Page 30 of 37 under MAINTENANCE OF TRAFFIC, Item 3. After hours work hours may be approved by the Town Project Manager and without additional compensation to the contractor for additional hours worked after project award.

Question 5: With a three-day window, is hot mix the intent?

Response 5: Yes. Hot mix is the Utilities Department's preferred method of patching and the bids must reflect the use of hot mix. Temporary paving-cold mix section on Page 36 of 37 under INCIDENTAL ITEMS OF WORK has been revised to state:

Temporary paving-cold mix: Temporary paving cold mix and the installation of cold mix shall be considered incidental to all other line items of work and not compensable. **Cold mix may be used if approved by the Town's Project Manager.**

Question 6: Regarding Bid Item# 31, are they chosen on the drawings?

Response 6: No. The Contractor may walk the Right of Way and note locations where cleanouts are not found at the edge of Right of Way. The quantities listed in the IFB are estimated quantities and may be adjusted to be paid at the bid unit price. The Town may add or reduce quantities to ensure cleanout installations are made for known users during construction.

Question 7: Regarding access, is Liberty Street an option?

Response 7: The project site is readily accessible without using Liberty Street.

Question 8: Provide a clearer description of the work to be performed at location F.

Response 8: Additional drawings are provided with this addendum that define the scope of work at Location F. Drawings for this project can be found on the Leesburg Bid Board.

Question 9: I downloaded the documents for the above referenced project. But did not see plans. Do you have plans for this bid?

Response 9: Drawings are provided with this addendum that define the scope of work. See the maps included in this addendum.

Item 6: Changes to Bid Specifications

Please note the following changes to the bid specifications:

- Use revised drawings provided with this addendum
- Pay Item descriptions have been updated to correspond to the pay items changed in the bid form.
- Change Pay Item 4 description to:

6" C900 DR 18 Water Line (Pay Item 4): Linear foot price to fully compensate the contractor for installation of **water line**, tracer wire, marking tape, and all appurtenances needed to have a functional waterline.

- Change Pay Item 5 description to:

3/4" (K) Water Service Transfer (Pay Item **5 6**): Price for transferring each 3/4" size (K) type Copper water service assembly complete and in place including excavation, full-depth saw cutting of pavement (where applicable), **corp stop**, saddle tap, bedding, and backfill in accordance with the town DCSM. When a copper service line is encountered, the contractor shall transfer the service to the new water line with an approved saddle connection on the water main, and when appropriate, an approved pack joint or flared coupling to extend the service line as directed by the town's project inspector. If the contractor encounters any material other than type K copper, then the 3/4" water service transfer shall be considered a water service assembly pay item and the water service transfer shall be paid as a water service assembly item instead of a water service transfer. A Town inspector shall observe and document the condition of the entire length of service line connections prior to the contractor commencing with backfilling of water service assemblies. All meter boxes and setters shall be supplied to the Contractor by the town. And the contractor shall provide the project manager a two week notice for delivery prior to commencement of work.

- Change Pay Item 6 description to:

3/4" (K) Water Service Assembly (Pay Item **6 7**): Price for furnishing and installing each 3/4" size (K) type Copper water service assembly, complete and in place including excavation, full-depth saw cutting of pavement (where applicable), **corp stop**, saddle tap, bedding, and backfill. Flare or compression fittings shall be used for service assemblies. A Town inspector shall observe and document the condition of the entire length of service line connections prior to the contractor commencing with backfilling of water service assemblies. All meter boxes and setters shall be supplied to the Contractor by the town. The contractor shall provide the project manager a two week notice for delivery prior to commencement of work.

- Change Pay Item 8 description to:

Install Fire Hydrant (Pay Item **8 9**): Lump sum price for installing each new fire hydrant assembly to 5 lineal feet depth of bury, including installation of new fire hydrant, extensions as required by the Project Manager. Depth of bury greater than 5 lineal feet shall be paid in 1 lineal feet depth increments **at one fifth (1/5) of the unit cost offered for pay item 8 for each additional lineal foot depth of bury**. The installation of a 6" hydrant service line will be paid for as installation of pipe of this size, and the furnishing and installing of concrete kickers, anchorage, a 6" valve, and

tee on main line will be paid for under the appropriate items. See Town DCSM standard details WS-5 and WS-18 as applicable.

- Change Pay Item 9 description to:

MJ Resilient Wedge Valves, Valve Boxes and Lids (Pay Item ~~910~~): Lump sum price for removal of existing 4", 6" and 8" isolation valves & valve boxes and installation of new **6", and 8"** resilient wedge gate isolation valves & boxes to a bury depth of 5' or less. The installation of a 6" hydrant service line will be paid for as installation of pipe of this size and the furnishing and installing of concrete anchorage and tee on main line will be paid for under the appropriate items. See Town DCSM standard details WS-5 and WS-18 as applicable.

- Change Pay Items 10-19 description to:

Pipe Fittings and Accessories (Pay Items ~~10-19~~**11-26**): Lump sum price for each of pipe fittings and accessories (i.e. **Mechanical Joint (MJ) fire hydrant tees**, MJ tees, 11.5, 22, 45 and 90 degree bends, sleeves, ~~Mechanical Joint (MJ) kits~~ **and MJ gaskets**, foster adapters, reducers, crosses, glands, megalugs, stainless steel rodding, threading, etc.) and other appurtenances furnished **and installed**. Installation of all other pipe fittings accessories required for the full construction of a water line or water service shall be paid for in the linear foot price of furnishing and installing the water main.

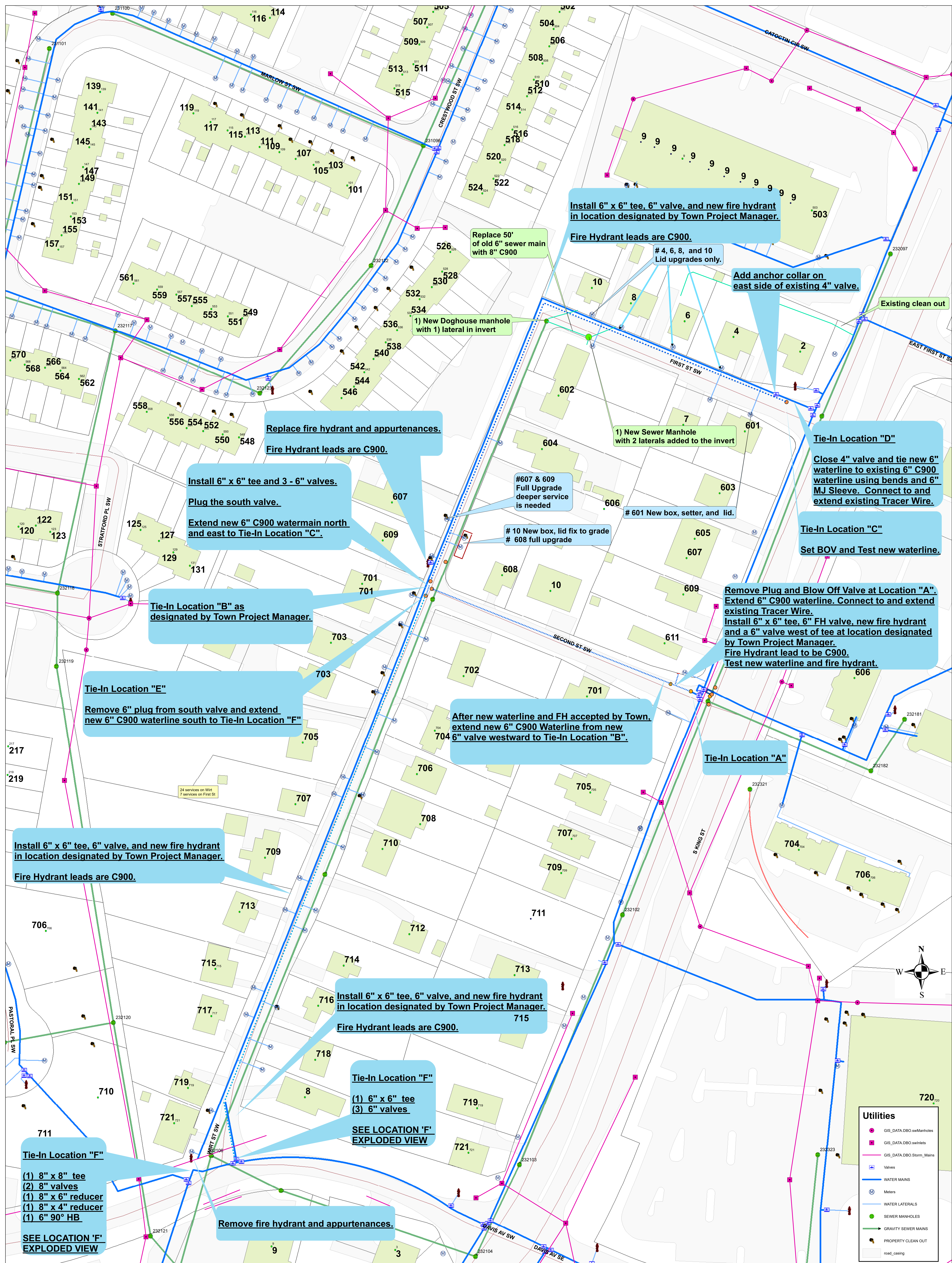
BID FORM

| Item# | Description | Unit of Measure | Estimated Quantity | Unit Price | Extended Price |
|-----------------------------------------|-------------------------------------------------|-----------------|--------------------|------------|----------------|
| Miscellaneous | | | | | |
| 1 | Mobilization/Demobilization | LS | 1 | | |
| Sub-Total Miscellaneous | | | | | |
| Maintenance of Traffic (MOT) | | | | | |
| 2 | Maintenance of Traffic | LS | 1 | | |
| Sub-Total Maintenance of Traffic | | | | | |
| Waterline Items | | | | | |
| 3 | Water Excavation | CY | 750 | | |
| 4 | 6" C900 DR18 Water Line | LF | 1,620 | | |
| 5 | 8" C900 DR18 Water line | LF | 20 | | |
| 6 | 3/4" (K) Copper Water Service Transfer | EA | 4 | | |
| 7 | 3/4" (K) Copper Water Service Assembly | EA | 32 | | |
| 8 | Replace Fire hydrant | EA | 2 | | |
| 9 | Install Fire hydrant | EA | 3 | | |
| 10 | MJ Resilient Wedge Valves ,Valve Boxes and Lids | EA | 14 | | |
| Sub-Total Waterline Items | | | | | |

| Pipe Fittings and Accessories | | | | | |
|-----------------------------------------------|------------------------|----|----|--|--|
| 11 | 6" MJ Fire Hydrant Tee | EA | 6 | | |
| 12 | 6" MJ Tee | EA | 3 | | |
| 13 | 8" MJ Tee | EA | 1 | | |
| 14 | 6" 11.25 Degree Bend | EA | 4 | | |
| 15 | 6" 22.5 Degree Bends | EA | 2 | | |
| 16 | 6" 45 Degree Bends | EA | 4 | | |
| 17 | 6" 90 Degree Bend | EA | 3 | | |
| 18 | 4" MJ Sleeve | EA | 1 | | |
| 19 | 6" MJ Sleeve | EA | 1 | | |
| 20 | 8" MJ Sleeve | EA | 1 | | |
| 21 | 4" MJ Kits | EA | 1 | | |
| 22 | 6" MJ Kits | EA | 27 | | |
| 23 | 8" MJ Kits | EA | 3 | | |
| 24 | Foster Adapters | EA | 10 | | |
| 25 | 8"X6" Reducer | EA | 1 | | |
| 26 | 8"x4" Reducer | EA | 1 | | |
| Sub-Total Pipe Fitting and Accessories | | | | | |

| Pipe Tie Ins | | | | | |
|-------------------------------|----------|----|---|--|--|
| 27 | Tie in A | EA | 1 | | |
| 28 | Tie in B | EA | 1 | | |
| 29 | Tie in C | EA | 1 | | |
| 30 | Tie in D | EA | 1 | | |
| 31 | Tie In E | EA | 1 | | |
| 32 | Tie in F | EA | 1 | | |
| Sub-Total Pipe Tie Ins | | | | | |

| Item# | Description | Unit of Measure | Estimated Quantity | Unit Price | Extended Price |
|-----------------------------------|----------------------------------------------------------------------------------|-----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Sewer | | | | | |
| 33 | Sewer Excavation | CY | 19 | | |
| 34 | 8" Sewer Main | LF | 50 | | |
| 35 | 4" Sewer Lateral | LF | 150 | | |
| 36 | Manhole Replacement | VF | 8 | | |
| 37 | Install Manhole | VF | 8 | | |
| 38 | Install Sewer Cleanout | EA | 24 | | |
| Sub-Total Pipe Sewer Items | | | | | |
| Asphalt | | | | | |
| 39 | Phase 1 Surface Asphalt Mix, SM-9.5D | TN | 31 | | |
| 40 | Phase 1 Base Asphalt Mix, BM-25.0 for Utility Trench, complete in place 3' width | TN | 20 | | |
| 41 | 21A Aggregate | TN | 115 | | |
| 42 | Mill and Overlay | TN | 42 | | |
| 43 | Yard Restoration | SY | 300 | | |
| Sub-Total Asphalt | | | | | |
| | | | | TOTAL BID PRICE | |
| | | | | (Equals Sub-Totals of Miscellaneous + Maintenance of Traffic + Waterline Items + Pipe Fittings and Accessories + Pipe Tie Ins + Sewer + Asphalt) | |



Install 6" x 6" tee, 6" valve, and new fire hydrant in location designated by Town Project Manager.
Fire Hydrant leads are C900.

Replace 50' of old 6" sewer main with 8" C900

4, 6, 8, and 10 Lid upgrades only.

Add anchor collar on east side of existing 4" valve.

Existing clean out

Replace fire hydrant and appurtenances.
Fire Hydrant leads are C900.

Install 6" x 6" tee and 3 - 6" valves.
Plug the south valve.
Extend new 6" C900 watermain north and east to Tie-In Location "C".

1) New Sewer Manhole with 2 laterals added to the invert

Tie-In Location "D"
Close 4" valve and tie new 6" waterline using bends and 6" MJ Sleeve. Connect to and extend existing Tracer Wire.

Tie-In Location "C"
Set BOV and Test new waterline.

#607 & 609 Full Upgrade deeper service is needed

10 New box, lid fix to grade
608 full upgrade

601 New box, setter, and lid.

Tie-In Location "B" as designated by Town Project Manager.

Remove Plug and Blow Off Valve at Location "A".
Extend 6" C900 waterline. Connect to and extend existing Tracer Wire.
Install 6" x 6" tee, 6" FH valve, new fire hydrant and a 6" valve west of tee at location designated by Town Project Manager.
Fire Hydrant lead to be C900.
Test new waterline and fire hydrant.

Tie-In Location "E"
Remove 6" plug from south valve and extend new 6" C900 waterline south to Tie-In Location "F"

After new waterline and FH accepted by Town, extend new 6" C900 Waterline from new 6" valve westward to Tie-In Location "B".

Tie-In Location "A"

Install 6" x 6" tee, 6" valve, and new fire hydrant in location designated by Town Project Manager.
Fire Hydrant leads are C900.

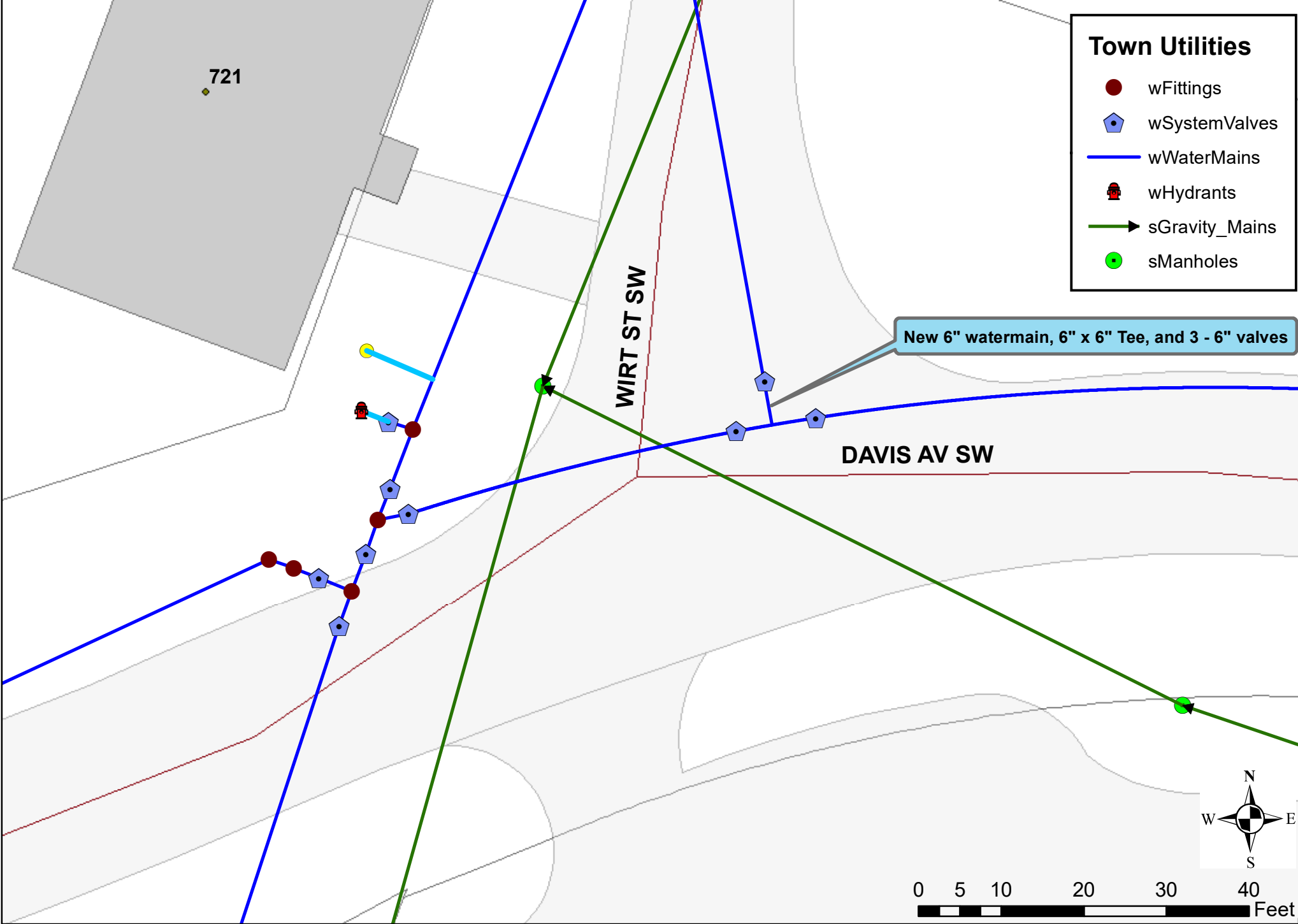
Install 6" x 6" tee, 6" valve, and new fire hydrant in location designated by Town Project Manager.
Fire Hydrant leads are C900.

Tie-In Location "F"
(1) 6" x 6" tee
(3) 6" valves
SEE LOCATION 'F' EXPLODED VIEW

Tie-In Location "F"
(1) 8" x 8" tee
(2) 8" valves
(1) 8" x 6" reducer
(1) 8" x 4" reducer
(1) 6" 90° HB
SEE LOCATION 'F' EXPLODED VIEW

Remove fire hydrant and appurtenances.

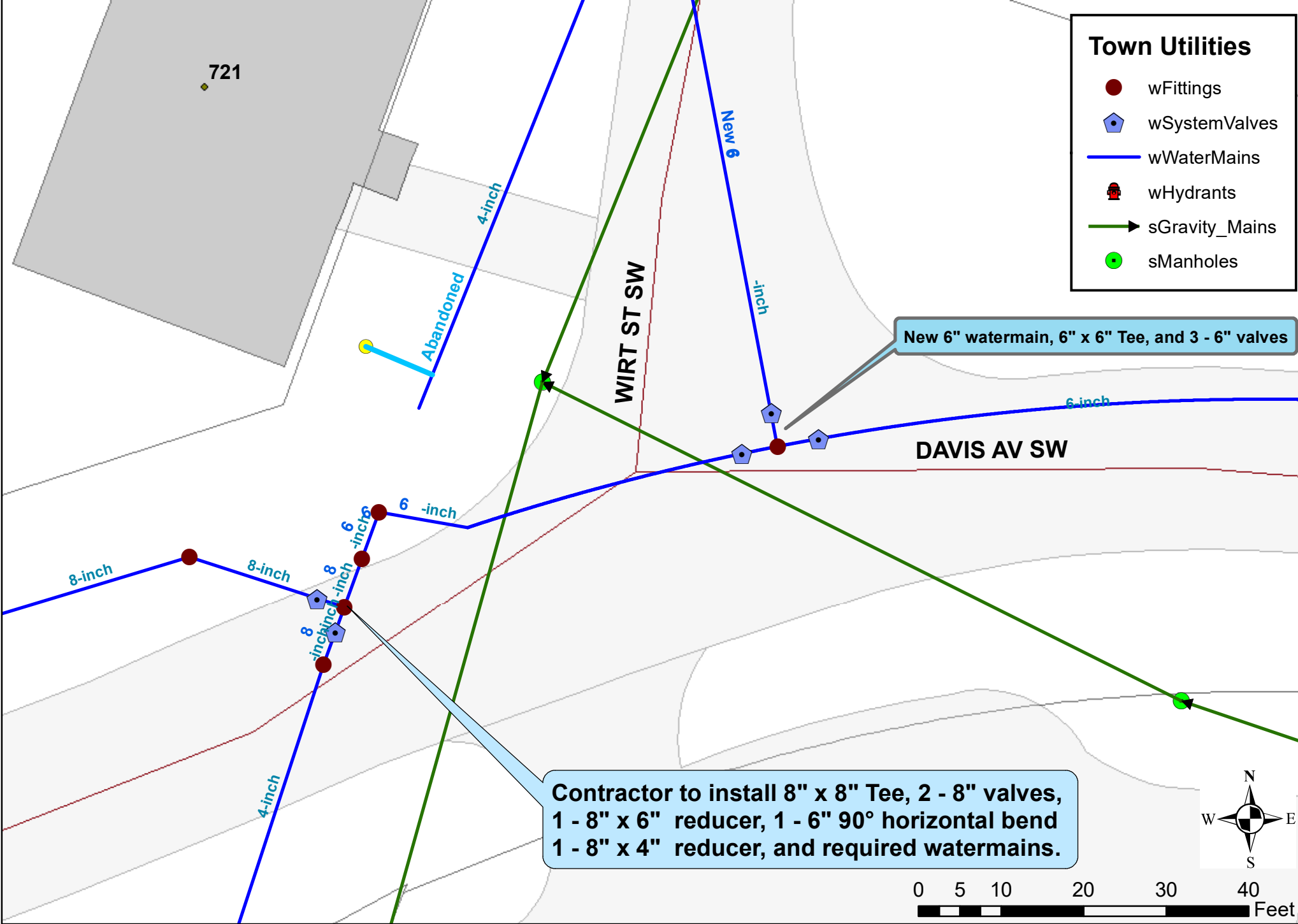
| Utilities | |
|-----------|--------------------------|
| | GIS_DATA.DBO.swManholes |
| | GIS_DATA.DBO.swInlets |
| | GIS_DATA.DBO.Storm_Mains |
| | Valves |
| | WATER MAINS |
| | Meters |
| | WATER LATERALS |
| | SEWER MANHOLES |
| | GRAVITY SEWER MAINS |
| | PROPERTY CLEAN OUT |
| | road_casing |



LOCATION F - STEP 1

ISOLATE DAVIS AVE EXISTING 6" WATERMAIN

CUT IN 6" x 6" TEE AND 3 - 6" VALVES - TIE NEW 6" WIRT ST WATERMAIN TO 6" VALVE



LOCATION F - STEP 3