

**CORPORATION OF SHEPHERDSTOWN
JEFFERSON COUNTY, WEST VIRGINIA**

CONTRACT NO. 1 – NEW STREET UTILITY IMPROVEMENTS

APRIL 6, 2018

ADDENDUM NO. 1

To whom it may concern:

A. BOILER PLATE

1. Bid Form – A revised Bid Form is enclosed with this Addendum and shall be used for your Bid. The revisions include a bid item for “Concrete Sidewalk Repair”, quantity adjustments for “Asphalt Street Restoration” and “3/4 PE Service Tubing”.

B. SPECIFICATIONS

1. **DELETE** Section 012000 – Price and Payment Procedures in its entirety and **REPLACE** with the enclosed Section 012000 – Price and Payment Procedures.

C. DRAWINGS

1. Sheet No. 2 – The one (1) inch service line serving DWG #8 shall be replaced with two (2) separate 3/4 inch service lines.
2. Sheet No. SW DET – An 8-1/2” x 11” sheet of a “Typical Sidewalk Section” Detail is enclosed with this Addendum No. 1.

D. QUESTIONS AND CLARIFICATIONS

The following are clarifications and responses to questions posed by Contractors and suppliers regarding the above referenced project.

1. **Question:** What is the size of the existing VCP line entering MH-3?

Answer: Six (6) inch.

2. **Question:** Does the Contractor need to install a new joint of 8” PVC outside of MH-3 to connect to in lieu of existing VCP?

Answer: Yes, The Contractor shall replace three (3) feet of the existing VCP pipe with 6" PVC pipe entering MH-3. Connection shall be made with a FERNCO coupling, or equal, and concrete base.

3. **Question:** Is it required to install the new service line all the way to existing meter?

Answer: Yes

4. **Question:** Who is responsible for compaction testing?

Answer: The General Contractor is responsible for compaction testing. No asphalt testing is required.

5. **Question:** There is no bid item for 1" service line.

Answer: Please refer to the revised plan sheets issued in Addendum No 1.

6. **Question:** Will the street signs need to be removed and replaced.

Answer: Yes.

7. **Question:** Does the center of the road need to be crowned?

Answer: Refer to Drawing Sheet No. 5.

8. **Question:** Will stone backfill be required in the trench?

Answer: No, stone shall be placed one (1) foot above the top of the pipe. Select suitable backfill may be used to within 8" of the bottom of the road base.

9. **Question:** Do you have a disposal site(s)?

Answer: No.

10. **Question:** Is videotaping of the project area required?

Answer: Yes

11. **Question:** Is there payment for concrete and brick sidewalk replacement?

Answer: No payment for brick sidewalk repair will be allotted and shall be deemed incidental to the service line unit price. A Bid Item has been added for concrete sidewalk repair. Please refer to the revised bid form issued in this Addendum No. 1.

12. **Question:** Will a generator with a call out system be an acceptable alternative during off hours while bypass pumping?

Answer: Yes.

13. **Question:** Will the existing wooden fence on the northern side of the existing box culvert need to be replaced?

Answer: The existing fence shall be removed and replaced, however if the existing fence is damaged, it is to be replaced at the Contractor's expense.

14. **Question:** Will the sanitary sewer need to be tested?

Answer: No.

15. **Question:** Will the Owner accept the asphalt millings?

Answer: Yes, all millings shall be transported to Shepherdstown's wastewater treatment plant at the Contractor's expense.

16. **Question:** Can a new Bid Item for milling be added and the quantity for asphalt verified?

Answer: No bid item for milling shall be added. Bid Item 21 "Asphalt Street Restoration" has been revised to 200 Tons.

17. **Question:** Plan Sheet No. 1 shows four (4) inlets being installed along the box culvert. Plan Sheet No. 4 shows two (2) inlets being cast into the box culvert. Please verify.

Answer: There are four (4) existing inlets on east and west side of the box culvert. The two (2) inlets on the west side of the box culvert shall be removed

and replaced. The two (2) inlets on the east side of the box culvert shall be removed during construction.

18. **Question:** Can a box culvert with inside dimensions 10'x3'x48' be provided?

Answer: No.

19. **Question:** When milling the existing asphalt, in the event milling the required 6", the Contractor mills into the stone base, what is the recourse? Will the Contractor need to mill deeper and build the road up? How will this be paid?

Answer: In the event the stone base is milled into, the Contractor is to remove the base stone and build the road up to grade according to the construction drawings. This shall be paid under Bid Item 21.

20. **Question:** With the Contractor connection to existing utilities, are we milling and overlaying the intersections of King and Princess Street? Is the pay coming out of the asphalt paving Bid Item?

Answer: Yes.

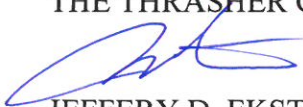
E. GENERAL

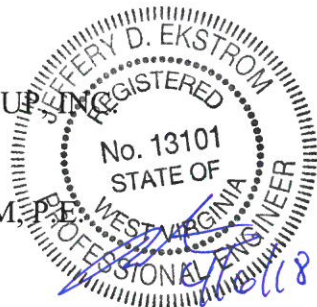
1. Pre-Bid Meeting Sign-In Sheets from the Pre-Bid Conference are enclosed herewith.
2. The Engineer's cost estimate for this project is \$360,000.
3. The Owner shall replace any meter boxes which are in bad condition.
4. Bidders are hereby notified to acknowledge receipt of addenda in space provided on the Bid Form.

If you have any questions or need any other information please do not hesitate to contact me.

Sincerely,

THE THRASHER GROUP, INC.


JEFFERY D. EKSTROM, P.E.
Project Manager



Enclosures

CORPORATION OF SHEPHERDSTOWN
JEFFERSON COUNTY, WEST VIRGINIA

CONTRACT NO. 1 - NEW STREET UTILITY IMPROVEMENTS

PRE-BID MEETING
10:00 A.M.
March 29, 2018

NAME	REPRESENTING	E-MAIL ADDRESS/PHONE/FAX
Frank Bousstony	Thrasher	FBousstony@thethrashergroup.com
Jeff Ekstrom	Thrasher	JEkstrom@thethrashergroup.com
William Landsaw	Snyder Environmental	Wlandsaw@snyder-env.com
Kevin Johnson	Jefferson Asphalt	kjohn@live.com
Ken Burford	Jefferson Contracting	kburford@gmail.com
Steve Riner	Gan H's Excavating	Steve@ganhsexcavating.com
Jason Dailey	Core + Main	jason.dailey@coreandmain.com
Jack Alvarez	ACEI	JackAlvarez@comcast.net
Jeremy mellott	Digging & Rigging	Jmellott@digrig.com
Jeff Halfhill	D & M Contracting Inc	digshalfhill@gmail.com
John Billmeyer	Snyder Environmental	jbillmeyer@snyder-env.com
Tom Vance	Godwin Pumps Xylem	Tom.Vance@xyleminc.com

**CORPORATION OF SHEPHERDSTOWN
JEFFERSON COUNTY, WEST VIRGINIA
CONTRACT #1 - NEW STREET UTILITY IMPROVEMENTS**

BID FORM

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

*Corporation of Shepherdstown
Post Office Box 248
Shepherdstown, WV 25443*

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent

to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

**NEW STREET UTILITY IMPROVEMENTS
FOR THE
CORPORATION OF SHEPHERDSTOWN
JEFFERSON COUNTY, WEST VIRGINIA
BID SCHEDULE**

NOTE: Bid UNIT PRICE amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern. Bids shall include sales tax and all other applicable taxes and fees.

Item	Quantity	Description with <i>Unit Price Written</i>	Unit Price	Total Price
1	LS	Mobilization/Demobilization		
		_____ Dollars		
		_____ Cents	_____	_____
2	LS	Erosion and Sedimentation Controls		
		_____ Dollars		
		_____ Cents	_____	_____
3	LS	Videotaping		
		_____ Dollars		
		_____ Cents	_____	_____
4	LS	Temporary Bypass Pumping		
		_____ Dollars		
		_____ Cents	_____	_____

Item	Quantity	Description with <i>Unit Price Written</i>	Unit Price	Total Price
5	245 LF	8" PVC SDR 35 Gravity Sewer (Removal and Replacement)		
		_____ Dollars		
		_____ Cents	_____	_____
6	205 LF	8" Ductile Iron Class 50 Gravity Sewer (Removal and Replacement)		
		_____ Dollars		
		_____ Cents	_____	_____
7	1 EA	48" Diameter Manholes (New Installation)		
		_____ Dollars		
		_____ Cents	_____	_____
8	1 EA	48" Diameter Manholes (Remove & Replace)		
		_____ Dollars		
		_____ Cents	_____	_____
9	16 EA	Reconnection of Existing Service Laterals		
		_____ Dollars		
		_____ Cents	_____	_____
10	200 LF	6" PVC Service Lateral Pipe		
		_____ Dollars		
		_____ Cents	_____	_____
11	1 EA	Connection to Existing Sewer		
		_____ Dollars		
		_____ Cents	_____	_____

Item	Quantity	Description with <i>Unit Price Written</i>	Unit Price	Total Price
12	450 LF	8" PVC C909 Waterline		
		_____ Dollars		
		_____ Cents	_____	_____
13	450 LF	Abandon- In-Place Existing 4" PVC Water Line		
		_____ Dollars		
		_____ Cents	_____	_____
14	365 LF	¾" PE Service Tubing		
		_____ Dollars		
		_____ Cents	_____	_____
15	16 EA	Water Service Reconnection		
		_____ Dollars		
		_____ Cents	_____	_____
16	2 EA	Water Line Tie-In/Hot Tap		
		_____ Dollars		
		_____ Cents	_____	_____
17	110 LF	10" HDPE Storm Pipe		
		_____ Dollars		
		_____ Cents	_____	_____
18	1 EA	Tie-into Existing Storm Drain		
		_____ Dollars		
		_____ Cents	_____	_____

Item	Quantity	Description with <i>Unit Price Written</i>	Unit Price	Total Price
19	2 EA	WVDOH Type "B" Inlets		
		_____ Dollars		
		_____ Cents	_____	_____
20	LS	Box Culvert (Remove and Replace)		
		_____ Dollars		
		_____ Cents	_____	_____
21	200 TONS	Asphalt Street Restoration		
		_____ Dollars		
		_____ Cents	_____	_____
22	60 LF	Concrete Sidewalk Repair		
		_____ Dollars		
		_____ Cents	_____	_____
<hr/>				
TOTAL BID: _____				
_____ (\$ _____)				
<hr/>				

NOTE: THE CONTRACTOR'S UNIT PRICES SHALL INCLUDE PURCHASE AND INSTALLATION, COMPLETE IN PLACE, PER BID ITEM IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

METHOD OF AWARD

If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the Contract; the construction contract will be awarded. If such bids exceed such amount, the Owner may reject all bids. The Owner may award the contract on the total bid submitted by a qualified responsible Bidder less the amount(s) of the deductive alternate(s)

subtracted in numerical order, as listed in contract to produce the lowest bid within the funds available for financing.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Bid Opening Requirements

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

SECTION 012000 - PRICE AND PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Schedule of Values.
- B. Application for Payment.
- C. Change procedures.
- D. Defect assessment.
- E. Measurement and Payment.
- F. Alternates.

1.2 SCHEDULE OF VALUES

- A. Submit printed schedule on Progress Estimate schedule on EJCDC C-620.
- B. Submit Schedule of Values in duplicate within twenty (20) days after date established in Notice to Proceed.
- C. Format: Identify each line item with number and title of major Specification Section. Contractor shall submit a balanced Schedule of Values. The total value of activities shall equal the identifiable Contract Price. The Schedule of Values shall be accompanied by a proposed cash flow for the duration of the Project. Line items shall be broken down as appropriate and listed as units. Overhead and profit shall be prorated to all the activities.
 - 1. Unless otherwise specified, the Schedule of Values shall include the following percentages for each of the listed activities:
 - a. Mobilization, Bonds, Insurance, and Demobilization: no greater than 5 percent
 - b. As-Built Drawings: no less than 1 percent
 - c. Punch List: No less than 2 percent
 - d. Final Bound O&M Manuals: no less than 1 percent
 - e. All Spare Parts Values not specifically assigned elsewhere: no less than 0.5 percent
 - f. Testing: no less than 1 percent
 - 2. Schedules whose non-equipment related cash flow exceeds 10 percent of the total Contract amount (exclusive of equipment) in any one (1) month, or 45 percent of the total Contract amount (exclusive of equipment) in any three (3) consecutive months shall be deemed unacceptable and require revision. Exceptions may be granted at the discretion of the Engineer for unusual circumstances or non-routine construction.

3. If, in the opinion of Engineer or Owner, the Schedule of Values is unbalanced, Contractor shall submit documentation substantiating the cost allocations of those activities believed to be unbalanced. No pay requests will be accepted until the Schedule of Values submittals has been marked "No Exceptions Taken" or "Make Corrections Noted" by Engineer.

D. Include within each line item, direct proportional amount of Contractor's overhead and profit.

E. Revise schedule to list approved Change Orders with each Application for Payment.

1.3 APPLICATION FOR PAYMENT

A. Submit five (5) copies of each Application for Payment on EJCDC C-620 – Contractor's Application for Payment.

B. Content and Format: Use Schedule of Values for listing items in Application for Payment.

C. Submit updated construction schedule and payment schedule with each Application for Payment.

D. Payment Period: Submit at intervals stipulated in the Agreement.

E. Submit submittals with transmittal letter as specified in Section 013300 - Submittal Procedures.

F. Substantiating Data: When Engineer requires substantiating information, submit data justifying dollar amounts in question. Include the following with Application for Payment:

1. Current construction photographs
2. Partial release of Liens from major Subcontractors and vendors.
3. Record Documents as specified in Section 017000 - Execution and Closeout Requirements, for review by Owner, which will be returned to Contractor.
4. Affidavits attesting to off-Site stored products.
5. Construction Progress Schedule, revised and current as specified in Section 013300 - Submittal Procedures.

1.4 CHANGE PROCEDURES

A. Submittals: Submit name of individual who is authorized to receive change documents and is responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.

B. Carefully study and compare Contract Documents before proceeding with fabrication and installation of Work. Promptly advise Engineer of any error, inconsistency, omission, or apparent discrepancy.

C. Requests for Interpretation (RFI) and Clarifications: Allot time in construction scheduling for liaison with Engineer; establish procedures for handling queries and clarifications.

1. Use Request for Information Form for requesting interpretations (provided by Engineer upon request).

2. Engineer may respond with a direct answer on the Request for Information form, separate Engineer Response, EJCDC C-942 - Field Order, or EJCDC C-940 - Work Change Directive Form.
- D. Engineer will advise of minor changes in the Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions on EJCDC C-942.
- E. Engineer may issue Notice of Change including a detailed description of proposed change with supplementary or revised Drawings and Specifications, a change in Contract Time for executing the change with stipulation of overtime Work required and with the period of time during which the requested price will be considered valid. Contractor will prepare and submit estimate within ten (10) days.
- F. Contractor may propose changes by submitting a request for change to Engineer, describing proposed change and its full effect on the Work. Include a statement describing reason for the change and the effect on Contract Sum/Price and Contract Time with full documentation and a statement describing effect on the Work by separate or other Contractors.
- G. Stipulated Sum/Price Change Order: Based on Proposal Request or Work Change Directive and Contractor's maximum price quotation or Contractor's request for Change Order as approved by Engineer.
- H. Unit Price Change Order: For Contract unit prices and quantities, the Change Order will be executed on a fixed unit price basis. For unit costs or quantities of units of that which are not predetermined, execute Work under Work Directive Change. Changes in Contract Sum/Price or Contract Time will be computed as specified for Time and Material Change Order.
- I. Work Change Directive: Engineer may issue directive, on EJCDC C-940 - Work Change Directive, instructing Contractor to proceed with change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute change.
- J. Time and Material Change Order: Submit itemized account and supporting data after completion of change, within time limits indicated in Conditions of the Contract. Engineer will determine change allowable in Contract Sum/Price and Contract Time as provided in Contract Documents.
- K. Maintain detailed records of Work done on time and material basis. Provide full information required for evaluation of proposed changes and to substantiate costs for changes in the Work.
- L. Document each quotation for change in Project Cost or Time with sufficient data to allow evaluation of quotation.
- M. Change Order Forms: EJCDC C-941 - Change Order.
- N. Execution of Change Orders: Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.

O. Correlation of Contractor Submittals:

1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Sum/Price.
2. Promptly revise Progress Schedules to reflect change in Contract Time, revise sub-schedules to adjust times for other items of Work affected by the change, and resubmit.
3. Promptly enter changes in Record Documents.

1.5 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of Engineer or Owner, it is not practical to remove and replace the Work, Engineer or Owner will direct appropriate remedy or adjust payment.
- C. The defective Work may remain, but unit sum/price will be adjusted to new sum/price at discretion of Owner.
- D. Defective Work will be partially repaired according to instructions of Engineer, and unit sum/price will be adjusted to new sum/price at discretion of Owner.
- E. Individual Specification Sections may modify these options or may identify specific formula or percentage sum/price reduction.
- F. Authority of Owner to assess defects and identify payment adjustments is final.
- G. Nonpayment for Rejected Products: Payment will not be made for rejected products for any of the following reasons:
 1. Products wasted or disposed of in a manner that is not acceptable.
 2. Products determined as unacceptable before or after placement.
 3. Products not completely unloaded from transporting vehicle.
 4. Products placed beyond lines and levels of the required Work.
 5. Products remaining on hand after completion of the Work.
 6. Loading, hauling, and disposing of rejected products.

1.6 MEASUREMENT AND PAYMENT

A. General Requirements

1. Contractor shall take measurements and compute quantities. Resident Project Representative and Engineer will verify measurements and quantities.
2. Unit Quantities: Quantities and measurements indicated on Bid Form are for Contract purposes only. Actual quantities provided shall determine payment.
 - a. When actual Work requires more or fewer quantities than those quantities indicated, provide required quantities at Contracted unit sum/prices.
 - b. When actual Work requires 25 percent or greater change in quantity than those quantities indicated, Owner or Contractor may claim a Contract Price adjustment.

3. Payment Includes: Full compensation for required labor, products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application, or installation of item of the Work; overhead and profit.
4. Final payment for Work governed by unit prices will be made on basis of actual measurements and quantities accepted by Engineer multiplied by unit sum/price for Work incorporated in or made necessary by the Work.

B. Measurement of Quantities

1. Weigh Scales: Inspected, tested, and certified by applicable West Virginia weights and measures department within past year.
2. Platform Scales: Of sufficient size and capacity to accommodate conveying vehicle.
3. Metering Devices: Inspected, tested, and certified by applicable West Virginia department within past year.
4. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel, or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.
5. Measurement by Volume: Measured by cubic dimension using mean length, width, and height or thickness.
6. Measurement by Area: Measured by square dimension using mean length and width or radius.
7. Linear Measurement: Measured by linear dimension, at item centerline or mean chord.
8. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as completed item or unit of the Work.

C. New Street Utility Improvements – Unit Price Schedule:

1. Bid Item 1 – Mobilization/Demobilization
 - a. This item shall include the performance of construction preparatory operations, including the movement of equipment and personnel to and from the Project Site, storage buildings, and other facilities necessary to conduct Work under this Contract.
 - b. Payment shall be made at the lump sum (LS) price Bid for Mobilization/Demobilization, but in no case shall the total lump sum Bid Price exceed 5 percent of the total Bid.
 - c. Partial Payments of the lump sum Bid amount for mobilization/demobilization shall be as follows:
 - 1) One-fourth of the amount Bid for Mobilization/Demobilization will be released to the Contractor as the first estimate payable, not less than fifteen (15) days after the start of Work at the Project Site.
 - 2) The second one-fourth of the amount Bid for Mobilization/Demobilization shall be released with the estimate payable thirty (30) days after the first estimate.
 - 3) The third one-fourth of the amount Bid for Mobilization/Demobilization shall be released with the estimate payable thirty (30) days later than the estimate in which the second one-fourth has been paid.
 - 4) The final one-fourth of the amount Bid for Mobilization/Demobilization shall be released with the final payment.

- 5) No reduction will be made, nor any increase be made, in the lump sum mobilization item amount regardless of decreased or increases in the final total Contract amount or for any other cause.
2. Bid Item 2 – Erosion and Sedimentation Controls
 - a. The cost for this Work shall be a lump sum.
 - b. This Bid item shall include all costs associated with erosion and sedimentation controls including all materials and labor for installation, maintenance, and removal.
 - c. The cost of this Work shall be paid for at the lump sum Bid price for all erosion and sedimentation controls at all locations directly and/or indirectly disturbed by the Work.
3. Bid Item 3 - Videotaping
 - a. The cost of this work shall be included in a lump sum bid item. Such payment shall constitute full compensation for labor, materials, equipment and other cost associated to provide a complete documentation.
 - b. Videotaping shall include the entire construction area affected, including any Contractor secured waste site and material storage or staging areas. The measurement for this bid items shall be based on a complete video recording on a DVD of the entire project area.
4. Bid Item 4 – Temporary Bypass Pumping
 - a. The cost for this Work shall be a lump sum.
 - b. This Bid item shall include all costs associated with temporarily bypassing stream and sewer flows around sections of the Work including, but not limited to, pumps, piping, and all other appurtenances, as well as installing, operating, maintaining, relocating, and removing the temporary bypass pump system.
5. Bid Item 5 – 8” PVC SDR 35 Gravity Sewer
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the complete installation of 8” PVC SDR 35 gravity sewer including removing existing 6” VCP sewer pipe, excavation, bedding, backfill, materials, fittings, pipe joints, pipe, tools, supplies, testing, and incidentals. All fittings used shall be included in the linear foot price of the pipe.
 - b. The sewers installed under this item shall be measured and paid for at the unit price Bid per linear feet of pipe of each type and size as specified on Drawings or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured from the face of manhole to face of manhole.
6. Bid Item 6 – 8” Ductile Iron Class 50 Gravity Sewer
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the complete installation of 8” ductile iron class 50 gravity sewer including removing existing 6” VCP sewer pipe, excavation, bedding,

- backfill, materials, fittings, pipe joints, pipe, tools, supplies, testing, and incidentals. All fittings used shall be included in the linear foot price of the pipe.
- b. The sewers installed under this item shall be measured and paid for at the unit price Bid per linear foot of pipe of each type and size as specified on Drawings or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured from the face of manhole to face of manhole.
7. Bid Item 7 – 48” Diameter Manholes (New Installation)
 - a. New Installation: This Bid item shall include all required labor, materials, equipment and all other costs associated with excavation and backfill, installation of 48” pre-cast manhole, and other appurtenances as indicated on Drawing Sheet No. Det-1.
 - b. Payment for manholes shall be as follows:
 - 1) Gravel sub-base, manhole base, steps, cone top, frame, and cover (water tight where indicated), up to 6-foot depth measured from invert out elevation to top of cover elevation, shall be paid at the Contract unit Bid price per each.
 - 2) Manhole riser piping of specified inside diameter required for additional depth over 6 feet shall be paid for at the unit Bid price per vertical foot for Precast Manhole Riser Pipe.
 - 3) Payment for internal drop connectors, as required, for manhole construction shall be included in the unit Bid price for each new manhole installed.
 8. Bid Item 8 – 48” Diameter Manholes (Remove and Replace)
 - a. Remove and Replace Existing: This Bid item shall include all required labor, materials, equipment, and all other costs associated with excavation and backfill, demolition and removal of existing concrete sections, installation of new 48” pre-cast manhole, disposal of all material in accordance with all Federal, State and Local Regulations, and all other appurtenances.
 - b. Payment for manholes shall be as follows:
 - 1) Gravel sub-base, manhole base, steps, cone top, frame, and cover (water tight where indicated), up to 6-foot depth measured from invert out elevation to top of cover elevation, shall be paid at the Contract unit Bid price per each.
 - 2) Manhole riser piping of specified inside diameter required for additional depth over 6 feet shall be paid for at the unit Bid price per vertical foot for Precast Manhole Riser Pipe.
 - 3) Payment for internal drop connectors, as required, for manhole construction shall be included in the unit Bid price for each new manhole installed.
 9. Bid Item 9 – Reconnection of Existing Service Laterals
 - a. Reconnection of existing service laterals shall be paid for by the unit price for each satisfactorily installed.

- b. Bid prices shall include all labor and materials required, including but not limited to the wye connection, customer lateral pipe, and cleanout, to make the proper connection regardless of the existing pipe material.
10. Bid Item 10 – 6” PVC Service Lateral Pipe
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the complete installation of 6” PVC service lateral gravity sewer including excavation, bedding, backfill, materials, fittings, pipe joints, pipe, tools, supplies, testing, and incidentals. All fittings used shall be included in the linear foot price of the pipe.
 - b. The sewers installed under this item shall be measured and paid for at the unit price Bid per linear feet of pipe of each type and size as specified on Drawings or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured from the face of manhole to face of manhole.
11. Bid Item 11 – Connection to Existing Sewer
 - a. Payment for connections to existing manhole shall be made by the unit Bid price per each connection.
 - b. Bid prices shall include all labor and materials required, including but not limited to, fittings and incidental pipe to make the proper connection regardless of the existing pipe material.
12. Bid Item 12 – 8” PVC C909 Waterline
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the installation of the 8” PVC C909 waterline including excavation, bedding, backfill, materials, fittings, pipe joints, concrete thrust blocks, pipe, tools, supplies, cleaning and disinfection, testing, seeding and mulching, and all other incidentals. All fittings used shall be included in the linear foot price of the pipe. All temporary fittings (i.e. plugs) required for sequencing the work shall be included in the linear foot price of the pipe.
 - b. The waterline installed under this item shall be based on Schedule of Values, measured and paid for by the linear feet of pipe for each of the types and sizes as specified on Plans or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of the various sizes and classes of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie in to centerline of tie in.
13. Bid Item 13 – Abandon-In-Place Existing 4” PVC Water Line
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with draining the existing waterline including dechlorination; cutting the pipe and installing mechanical joint end cap; and site restoration (seeding and mulching).
 - b. Payment shall be based on per linear foot Bid Price and shall be paid based on the reviewed Schedule of Values.

14. Bid Item 14 – ¾” PE Service Tubing
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the installation of the ¾” PE service tubing including excavation, bedding, backfill, materials, fittings, tools, supplies, cleaning and disinfection, testing, and all other incidentals. All fittings used shall be included in the linear foot price of the pipe.
 - b. The waterline installed under this item shall be based on Schedule of Values, measured and paid for by the linear feet of pipe for each of the types and sizes as specified on Plans or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of the various sizes and classes of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie in to centerline of tie in.

15. Bid Item 15 – Water Service Reconnection
 - a. Water Service Reconnection, Complete - The Contractor’s Unit Bid Price for water service reconnection, complete shall include the purchase and installation of all required material in order to perform the reconnection as shown. This Unit Bid Price shall include all necessary equipment to complete a full service reconnection.

16. Bid Item 16 - Water Line Tie-In/Hot Tap
 - a. Water line Tie-Ins/Hot Tap, Complete - The Contractor’s Unit Bid Price for water line tie-in, complete shall include the purchase and installation of all required material in order to perform the tie-in as shown. This Unit Bid Price shall include a gate valve sized the same as the new waterline, the required ductile iron mechanical joint fittings, and the necessary ductile iron solid sleeve(s) or dresser couplings(s).

17. Bid Item 17 – 10” HDPE Storm Pipe
 - a. This Bid item shall include all required labor, materials, equipment and all other costs associated with the installation of the 10” HDPE storm sewer line including excavation, bedding, backfill, materials, fittings, pipe joints, pipe, tools, supplies, seeding and mulching, and all other incidentals. All fittings used shall be included in the linear foot price of the pipe. All temporary fittings (i.e. plugs) required for sequencing the work shall be included in the linear foot price of the pipe.
 - b. The storm sewer line installed under this item shall be based on Schedule of Values, measured and paid for by the linear feet of pipe for each of the types and sizes as specified on Plans or as directed by the Engineer, and installed complete in place. The measurement under this item shall be the length of the various sizes and classes of pipe and fittings as installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie in to centerline of tie in.

18. Bid Item 18: Tie-into Existing Storm Drain
 - a. Payment for connections to existing storm drains shall be made by the unit Bid price per each connection.

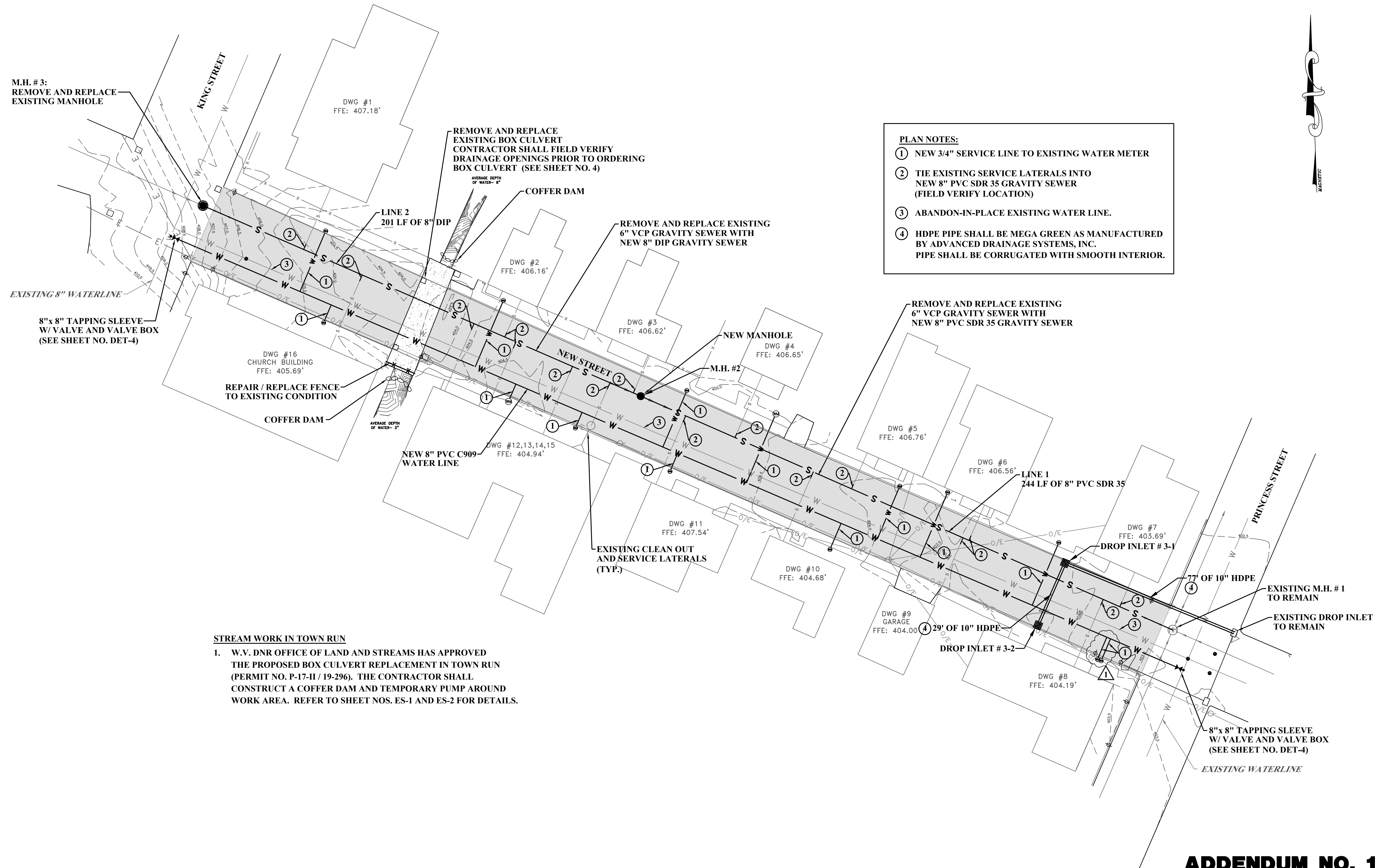
- b. Bid prices shall include all labor and materials required, including but not limited to, fittings, concrete, grouting, and incidental pipe to make the proper connection regardless of the existing pipe material or inlet type.
19. Bid Item 19: WVDOH Type “B” Inlets
- a. The cost of this work shall be based on a Per Unit Bid Price. Such payment shall constitute full compensation for excavation, bedding, backfill, materials, fittings, tools, supplies, seeding and mulching, tie-ins, and other cost associated to a WVDOH Type “B” Inlet as specified on Plans or as directed by the Engineer, and installed complete in place.
20. Bid Item 20 – Box Culvert
- a. Payment of this work shall be based on a Lump Sum Bid Price. Such payment shall include all labor, materials, equipment, associated with the cofferdam/temporary stream bypass pumping, excavation, dismantling, removal, and disposal of the exiting concrete box culvert, purchase and installation of new 48’-6” x 11’-7” Pre Cast Box Culvert.
21. Bid Item 21 – Asphalt Street Restoration
- a. Payment for this Work shall be based on a per ton Bid Price.
 - b. This Bid item shall include all required labor, materials, equipment and all other costs associated with asphalt street restoration. All costs required for traffic control shall be included in the unit price. Milling and asphalt disposal shall be included in this Lump Sum bid item. No payment will be made for temporary paving required during construction. All asphalt repair Work shall be included in this per ton bid price.
22. Bid Item 22 – Concrete Sidewalk Repair
- a. Payment for this Work shall be based on a linear foot Bid Price.
 - b. This Bid item shall include all required labor, materials, equipment and all other costs associated with concrete sidewalk repair. No payment will be made for temporary paving required during construction. All concrete sidewalk repair repair Work shall be included in this per linear foot bid price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 012000

USER: bryon s. querrey
 LAYOUT: Sheet 2 ADD 1
 PLOT DATE/TIME: 4/5/2018 9:26 AM
 CAD FILE: R:\020-1507-SHEPHERDSTOWN - UTILITY IMPROVEMENTS-\Drawing\Sheet 2, 3, 3A.dwg (Piping Profile).dwg



ADDENDUM NO. 1

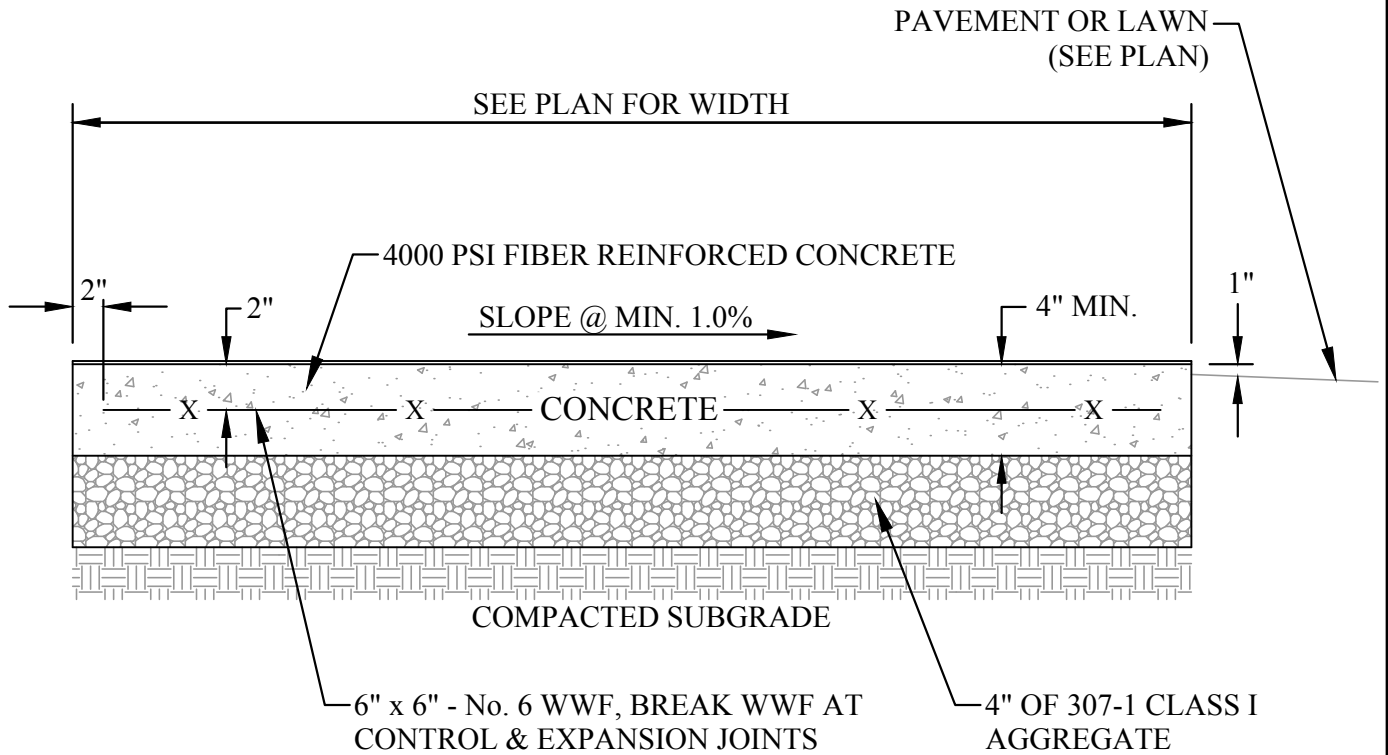
NO.	BY	DATE	DESCRIPTION
1	BSQ	4/2018	ADDED SEPERATE WATER SERVICE LINES AND REVISED NOTE NO. 3

SCALE: 1" = 20'
DRAWN: B. QUERREY DATE: DECEMBER 2016
CHECKED: J. EKSTROM DATE: DECEMBER 2016
APPROVED: J. EKSTROM DATE: DECEMBER 2016
SURVEY DATE:
SURVEY BY:
FIELD BOOK No.:

THRASHER
 300 ASSOCIATION DRIVE
 CHARLESTON, WV 25311
 www.thrashereng.com
 PHONE (304)-343-7601 FAX (304)-343-7604

PHASE No.	
CONTRACT No.	
PROJECT No.	020-1507

CORPORATION OF SHEPHERDSTOWN
 JEFFERSON COUNTY, WEST VIRGINIA
 NEW STREET UTILITY IMPROVEMENTS
 UTILITY IMPROVEMENTS PLAN



NOTES:

1. PLACE EXPANSION JOINT WHERE DIFFERENT SIDEWALKS ABUT, AND AGAINST ANY STRUCTURE.
2. PLACE EXPANSION JOINTS 20'-0" O.C.
3. PLACE CONTRACTION JOINTS 5'-0" O.C.

TYPICAL SIDEWALK SECTION

NOT TO SCALE

ADDENDUM NO. 1

CORPORATION OF SHEPHERDSTOWN
CONTRACT No. 1
ADDENDUM No. 1
SHEET No. SW DET

THRASHER