

City of Milton Purchasing Department

ITB 2020.01 Hamilton Bridge – Upgrade of water Distribution ADDENDUM #2 -

Additional Information

Answers to Questions

Revised Schedule of Quantities and Values

NOTE: Drawings (6 pages) are a separate PDF

March 6, 2020

Prepared by KH&A Project Number 2019 17

The following is a summary of the revisions made to the Construction Plans and Documents for the Hamilton Bridge Road Water Main Upgrade project. The Contractor is cautioned to review the Plans and Documents carefully to ensure all additions, deletions and revisions are incorporated into the work.

General:

Contractor is responsible for his proposal/cost estimate for Bonds and Bid.

Item No. 10, "Schedule of Quantities and Values", means to include all of asphalt swale.

Reissue "Schedule of Quantities and Values". (Items added and some quantities changed).

DRAWINGS: (See separate PDF 6 pages)

Reissue sheet numbers C002, C301, C302, C303, C501 and C502 (see separate PDF)

Sheet C002

Revised Note 5 under heading "Utility Notes".

Sheets C301 thru C303

All water services to be 1 inch.

At Gardenbook Blvd, change existing 2" main to existing 6" main. Change directional bores parallel to road, from 6" PVC to 8" HDPE, SDR 9. Connect with HDPE MJ Adapter and Sleeve.

Change directional bores across road from 6" PVC to 3" HDPE, SDR 9. Connect with MJ Adapter and Sleeve.

Added 2" valves and cut and cap. Added 2" main to 6" main connections

Sheet C501

1. Removed water/sewer separation detail and replaced with FDEP separation detail.

Sheet C502

2. New fire hydrant detail.

Contractor Questions

The following is are questions submitted by Contractors. The response is included in Addendum No. 2 for the Hamilton Bridge Road Water Main Upgrade project. Responses to questions are reflected in the Addendum No. 2 Plans and Narrative.

1. Is this project a lump sum bid, or is payment based on a total of the extension of the line items?

The Total base Bid including provided pay items plus any pay items added by the Contractor shall be considered full and complete compensation for performance of the entire body of work defined by the Contract Docs. The Schedule of Quantities and Values will be a basis for negotiation of changes resulting from changes to the plans initiated by the Owner or resulting from unforeseen conditions encountered during construction.

2. Earthwork Allowance: is there a given allowance, or just plug in what we want?

This item has been deleted from the "Schedule of Quantities and Values". Any incidental earthwork necessary for completion of the work is to be included as a part of the line item prices in the "Schedule of Quantities and Values".

3. There appear to be nine 6" water crossings on sheets 302 and 303. What do we do here? Terminate at the R.O.W. with a cap? On page 301, the same symbol is calling for it to be a 1" service. Maybe they are all 1" water services?

Plans have been revised to reflect that the 6" water crossings are 1" water services.

4. The plans show multiple 6" Water laterals, crossing Windham Rd and Hamilton Bridge Rd. These are not shown as bores, they aren't quantified in the 6" Water pay item. How should this be handled?

Plans have been revised to reflect that the 6" water crossings are 1" water services.

5. There are notes to install new water meters on some of the services. Are the meters owner provided, or are they contractor supplied? If they are contractor supplied, what brand and model do you prefer? I couldn't find any listed.

Connect to existing water meters. Addendum No.2 Plans have been revised to reflect same. No new water meters are anticipated.

6. On Sheet 502, there is a note on the fire hydrants. It calls for a flow test to be performed, and the bonnet to be color coded per the results of the flow test. Will the owner or contractor be responsible for performing the flow test?

The Fire Hydrant Detail has been revised on the Addendum No. 2 Plans. No flow test is required.

7. In the specifications, "marker balls" and the like are mentioned. Are they to be installed, or is tracing wire sufficient? Also, 002 note 5 references locating tape. Are we to install tape as well as wire?

Use tracer wire. Note on Sheet C002 is has been revised on Addendum No. 2 Plans.

8. I could not find any information of the HDPE specifications for this project regarding the bores. What dimension ratio would you prefer for the bores?

HDPE Pipe is to be SDR 9.

9. I have a question about item #10 - Sawcut and Remove Asphalt Swale. The square yardage is quantity is figured for removal and replacement of the entire swale. My question is if we can saw cut and remove a 3 '- 5' wide section where we will need to dig, and then replace that section versus the entire swale?

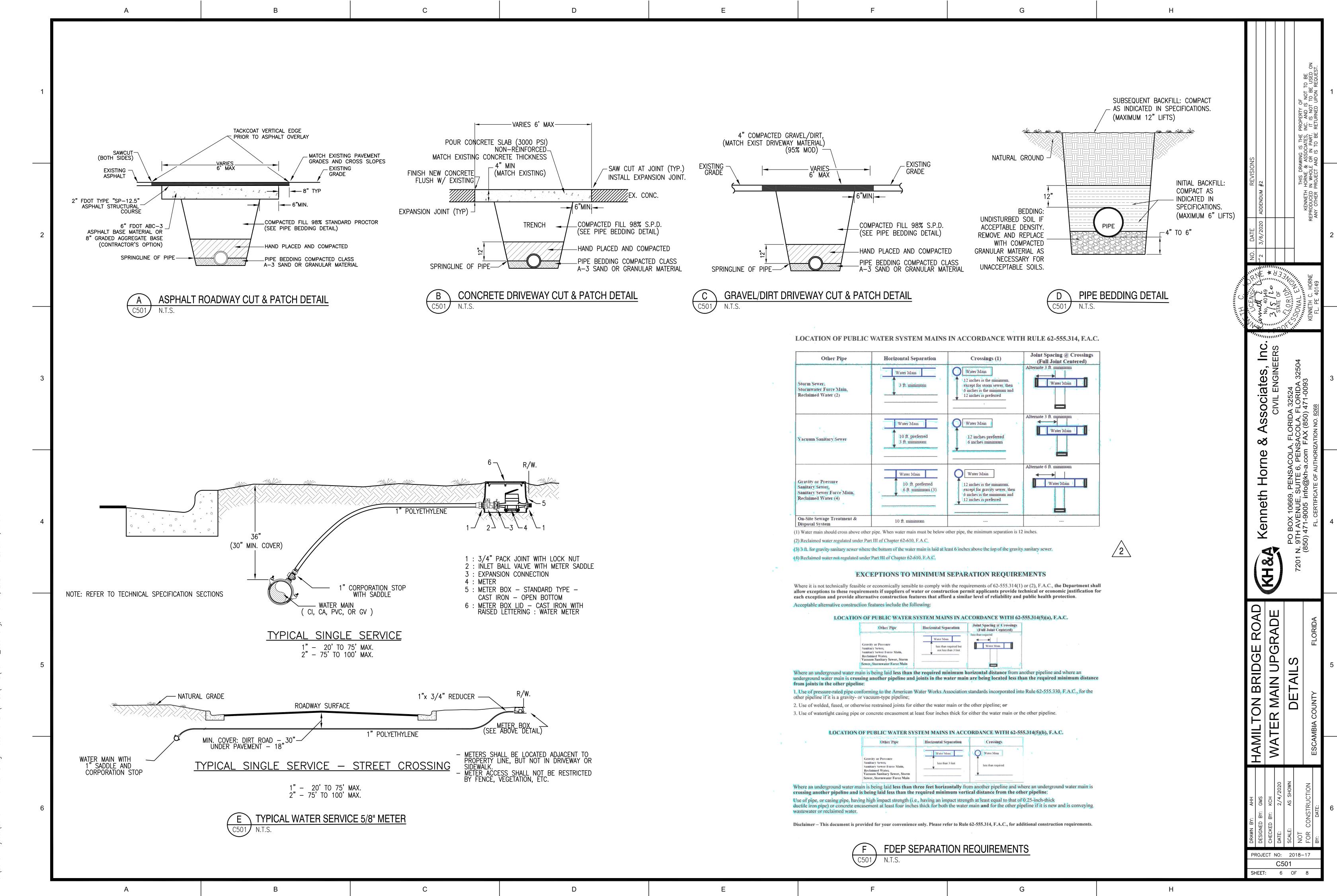
Remove and replace entire swale.

REVISED - Schedule of Quantities and Values: Addendum #2

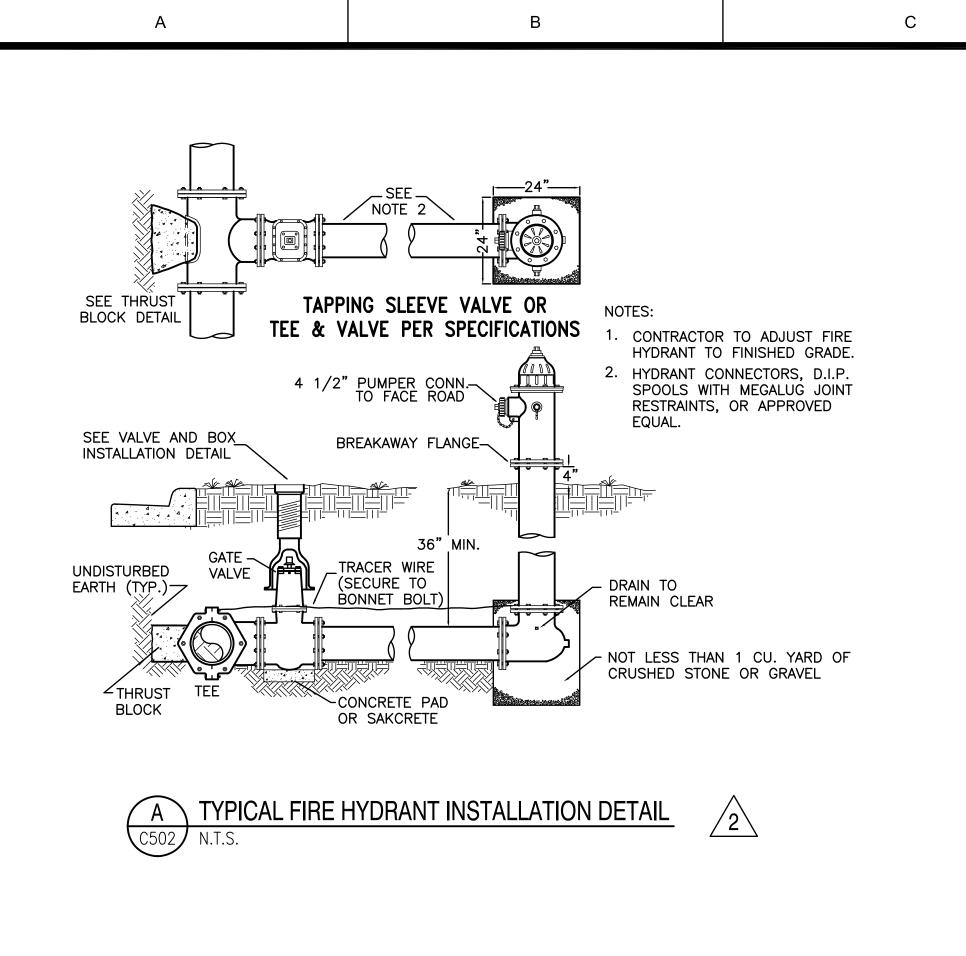
ITEM	DESCRIPTION	QUANTI TY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization	1	LS		
2	Maintenance of Traffic	1	LS		
3	NPDES NOI & Reporting	1	LS		
4	Construction Layout	1	LS		
5	Testing Lab Services	1	LS		
6	Site Erosion Control/Sediment Control	1	LS		
7	Coordinate with Utility Owners and Santa Rosa County	1	LS		
8	Sawcut and Remove Concrete Flume & Driveway	269	SY		
9	Sawcut and Remove Asphalt Driveway	142	SY		
10	Sawcut and Remove Asphalt Swale	1520	SY		
11	Remove and Replace Chain Link or Wire Fence	150	LF		
12	Protect and Support Conc Flumes and Storm Pipes	1	LS		
13	Locate Exiting Utilities	1	LS		
14	Protect and Support Existing Water Line	1	LS		
15	Protect and Support Electrical Transformers, Poles, Lines and Equipment	1	LS		
16	Protect and Support Gas Line and Appurtenances	1	LS		
17	Remove and Reinstall Existing Mail Boxes	16	EA		
18	Cut and Cap 2" Water	9	EA		
19	Tree Protection	10	EA		
20	Grading	2383	SY		
21	6" Concrete (Driveway and Flume)	269	SY		
22	1-1/2" Type SP-9.5 Asphalt (driveway, swale and roadway)	1662	SY		
23	6" Compacted Aggregate Base Road and Drives	411	SY		
24	Remove and Reinstall Street Signs	4	EA		
25	Remove and Reinstall Stop Signs	2	EA		

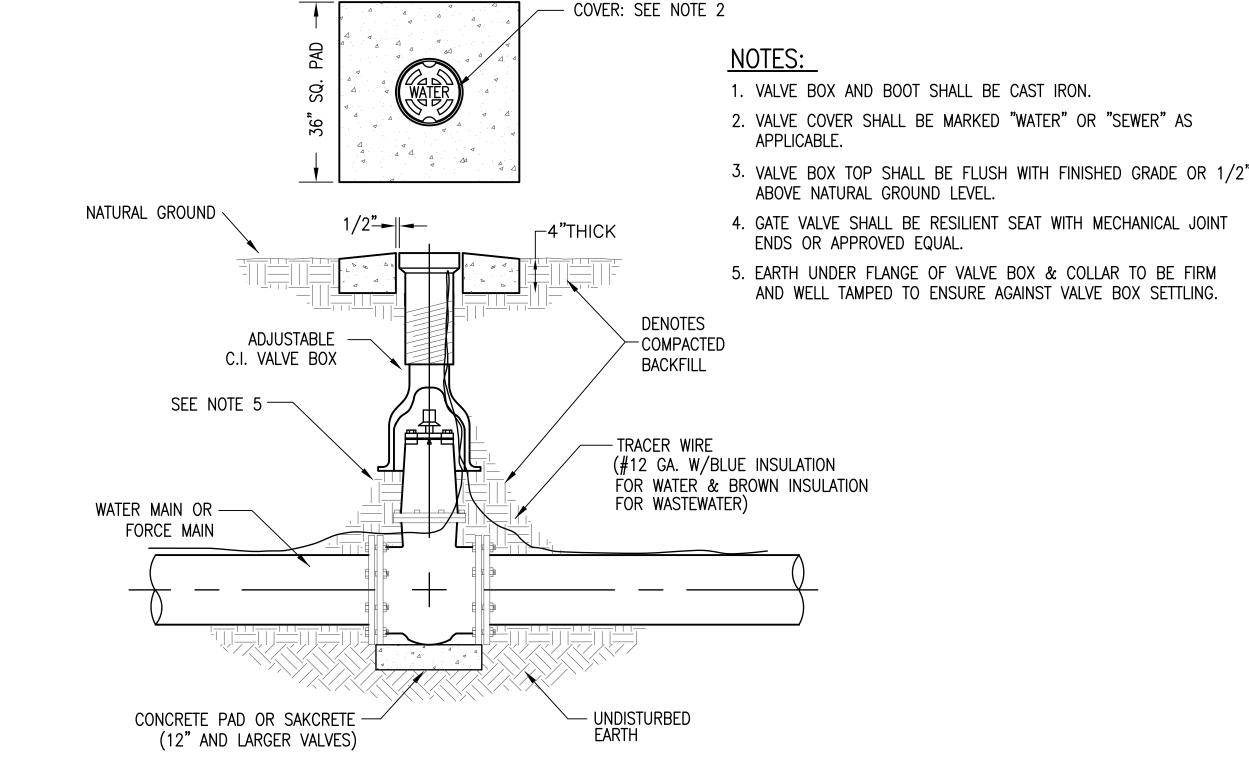
26	6" C900 PVC Water Main Including All Bends and Fittings	5255	LF	
27	6" Gate Valve & Box	4	EA	
28	2" Gate Valve & Box	4	EA	
29	Long 1" Water Service Connections	15	EA	
30	Short 1" Water Service Connections	20	EA	
31	Thrust Blocks	21	EA	
32	8" HDPE Directional Bore Including Fittings (Total Linear Footage)	568	LF	
33	3" HDPE Directional Bore Including Fittings (Total Linear Footage)	64	LF	
34	Fire Hydrant Assembly	4	EA	
35	Connect to Ex. 6" Water Main at 6" Stub- Out	2	EA	
36	Connect 3" HDPE to Ex. 2" Water Main	2	EA	
37	Connect Existing 2" Water Main to New 6" Water Main	3	EA	
38	Sod	1192	SY	
39	Seed and Mulch	1192	SY	
40	Demobilize/Cleanup	1	LS	
41	OSHA Trench Safety Compliance	1	LS	
42	R/W Restoration - Landscaping	1	LS	
43	Indemnification	1	LS	\$10.00
44	Bonds	1	LS	
	Itemize Other Work Necessary to Complete Construction (Add Additional Sheets If Necessary)			
	The Total base Bid including provided pay			
*	items plus any pay items added by the Contractor shall be considered full and complete compensation for performance of the entire body of work defined by the			
	Contract Docs.			
	Total Base Bid			

THIS ACKNOWLEDGEMENT MUST BE RETURNED WITH BID/PROPOSAL PACKAGE.



S:\2018 Projects\2018—17 Hamilton Bridae Road Wtr Ext\DWGS\CIVIL\18—17 C50X.dwa. Mar 05, 2020 — 9:23:36AM. an





 SIZE
 1/4 BENDS
 1/8 BENDS
 1/16 BENDS
 TEES
 PLUGS

 A
 B
 A
 B
 A
 B
 A
 B
 C
 D

 6"
 16"
 10"
 9"
 10"
 6"
 8"
 10"
 12"
 10"
 21"

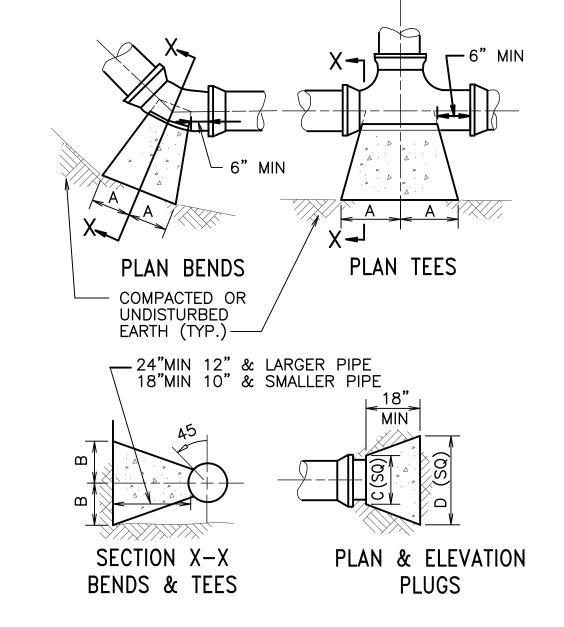
 8"
 22"
 13"
 12"
 13"
 8"
 10"
 13"
 16"
 12"
 29"

 10"
 26"
 17"
 14"
 17"
 10"
 13"
 16"
 20"
 14"
 36"

 12"
 29"
 21"
 16"
 21"
 11"
 16"
 18"
 24"
 16"
 41"

 14"
 35"
 24"
 19"
 24"
 12"
 20"
 22"
 27"
 18"
 48"

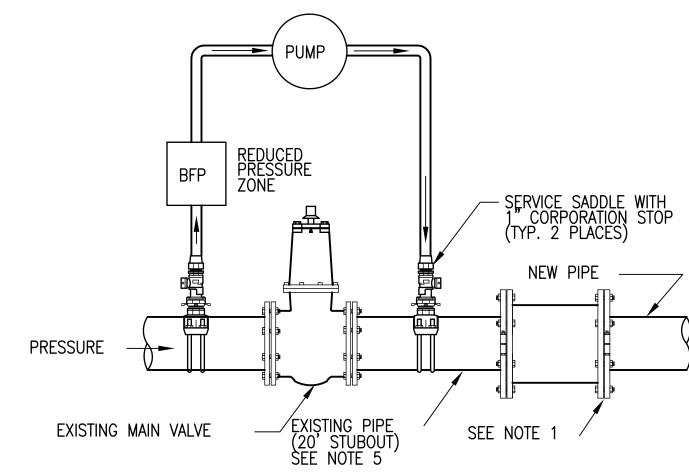
 16"
 38"
 27"
 21"
 27"
 12"
 24"
 24"
 30"
 20"
 54"



C THRUST BLOCK DETAIL
C502 N.T.S.

NOTES:

- 1. NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO EXISTING MAIN IN A MANNER ACCEPTABLE TO THE CITY OF MILTON.
- 2. THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE EXISTING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. THE CITY OF MILTON INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION. ONCE FLUSHING IS COMPLETE THE INSPECTOR SHALL CLOSE THE VALVE.
- 3.ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACKFLOW PREVENTER; CAP CORPORATION STOPS WITH BRASS CAPS.
- 4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE THE CITY OF MILTON INSPECTOR. THE CITY OF MILTON SHALL COLLECT TEST SAMPLES.
- 5.IF 20' STUBOUT IS NOT PRESENT SPECIAL ARRANGEMENTS WILL HAVE TO BE MADE TO DEPRESSURIZE THE EXISTING MAIN TO MAKE CONNECTION TO THE EXISTING VALVE.

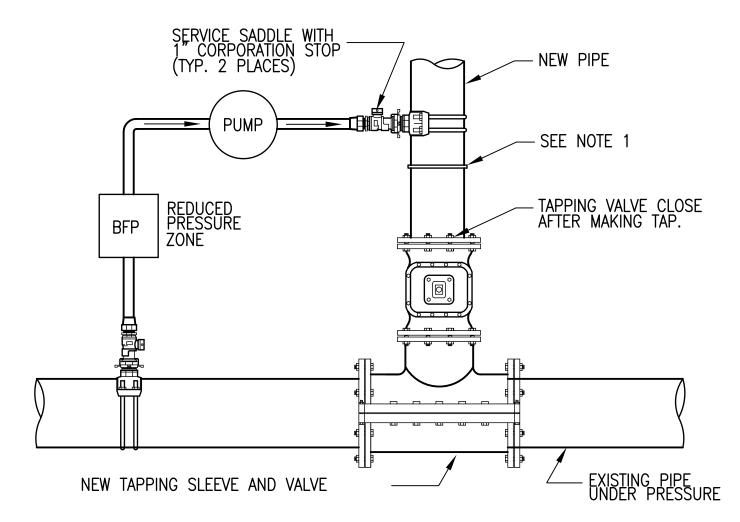


TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (EXISTING STUBOUT)

NOTES:

B TYPICAL VALVE & BOX INSTALLATION DETAIL

- 1. NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO TAPPING VALVE. TAPPING VALVE IS TO REMAIN CLOSED.
- 2. THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE TAPPING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. THE CITY OF MILTON INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION. ONCE FLUSHING IS COMPLETE THE INSPECTOR SHALL CLOSE THE VALVE.
- 3.ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACKFLOW PREVENTER; CAP CORPORATION STOPS WITH BRASS CAPS.
- 4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES. CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE CITY OF MILTON INSPECTOR. THE CITY OF MILTON SHALL COLLECT TEST SAMPLES.



TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (TAPPING SLEEVE AND VALVE)

TYPICAL DISINFECTION & CHLORINATION N.T.S.

HAMILTON BRIDGE ROAD

Lecored By: GMS

L

ssociates, Inc. CIVIL ENGINEERS

∞

S:\2018 Projects\2018—17 Hamilton Bridge Road Wtr Ext\DWGS\CIVIL\18—17_C50X.dwg, Mar 05, 2020 — 9:24:

Α

С

D

Е

F

G

Н

SHE