

**ELM, HIGH, AND CHATHAM STREET RECONSTRUCTION  
CITY OF WILLIAMSBURG, IOWA**

CONTRACTOR'S BID DATE: Thursday, January 23, 2023 @ 1:00 P.M.

PLACE FOR CONTRACTORS  
TO SUBMIT BIDS: City of Williamsburg  
City Hall  
210 W. State Street  
Williamsburg, Iowa 52361

**ADDENDUM NO.1**

January 17, 2025

**TO ALL PLANHOLDERS:**

The following changes, clarifications, additions, and/or deletions are hereby made a part of the contract documents for the above-referenced project, as fully and completely as if the same were fully set forth therein. All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

This Addendum No. 1 consists of the following:

- Addendum No. 1 (pages ADN1-1 through ADN1-2)
- Plan Sheets (C.01, C.02, C.03, C.04, C.05, C.06, M.01, and U.01)
- Specification (Proposal Attachment Part C and Contract Attachment Item 2)

**General:**

1. Please return Bids to the City of Williamsburg as noted above and on the cover sheet of the Proposal. Use the provided Proposal Form and acknowledge receipt of this Addendum. Bids provided on other forms will not be accepted.
2. The spec book calls out Poured Thrust Blocks for water main fittings, hydrants etc. The use of precast concrete blocks will be allowed if they meet or exceed the requirements for poured thrust blocks as noted in SUDAS and the Municipal Design Standards.
3. The Temporary Driveway, located on 916 Elm Street is expected to be removed and the lot restored to its current condition at the end of construction.

**PLANS:**

**1. REFER TO SHEET C.01**

- a. **REVISE** Item 15, Storm Sewer, Trenched, PVC C900, 15 Inch to Storm Sewer, Trenched, PVC 16 Inch.
- b. **ADD** Item 23, Subdrain Cleanout, Type B, 18 Inch.
- c. **REVISE** Item 33, from Air Release Valve, 6 Inch to Flushing Device, Air Release, 1 Inch.

**2. REFER TO SHEET C.02**

- a. **REVISE** Item 15, Storm Sewer, Trenched, PVC C900, 15 Inch to Storm Sewer, Trenched, PVC 16 Inch.
- b. **ADD** Item 23, Subdrain Cleanout, Type B, 18 Inch
- c. **REVISE** Item 33, from Air Release Valve, 6 Inch to Flushing Device, Air Release, 1 Inch and **ADD** Estimate Reference Information with recommended manufacturer.
- d. **REVISE** Item 34, Estimate Reference Information.

**3. REFER TO SHEET C.06**

- a. **REVISE** Storm Sewer Table 104-5B, P-06 and P-20 Pipe Diameter from 15 to 16.
- b. **REVISE** Storm Sewer Table 104-5B, 15" SDR 26 to 15" HDPE and 18" SDR 26 to 18" HDPE.
- c. **REVISE** Storm Sewer Table 104-5B, 15" DR 18 to 16" DR 18.

**4. REFER TO SHEET M.01**

- a. **ADD** CO 00, Subdrain Cleanout, Type B, 18 Inch to the Footing Drain between the alley trench drain and ST-03. Invert for Footing Drain Connection to ST-03 and additional notes provided

**5. REFER TO SHEET U.01**


- a. **REVISE** Segmental Block Retaining Wall Note 1 to include, "Dry-Cast Concrete Wall Units. Block shall tie into the existing wall along the alley on Chatham Street and shall aesthetically match this wall in block size and color."

**SPECS:**

**1. PROPOSAL**

- a. **REVISE** Proposal Attachment: Part C – Bid Items, Quantities and Prices.
- b. **REVISE** Contract Attachment: Item 2: Bid Items, Quantities.

All bidders shall acknowledge receipt and acceptance of Addendum No. 1 by signing in the space provided on the Bid Form. Bids submitted without Addendum No. 1 being acknowledged will be considered non-responsive.

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
	<p><i>Melissa A. Clow</i> _____ Date: <u>OPNPVHQOQT</u></p> <p><b>MELISSA A. CLOW, P.E.</b></p> <p>License No. <b>28635</b></p> <p>My renewal date is <b>December 31, 2025.</b></p> <p>Pages or sheets covered by this seal: <u>`kk o` f d r</u></p>

MELISSA CLOW, PE  
HR GREEN, INC.  
8710 EARHART LANE  
CEDAR RAPIDS, IOWA 52404  
PHONE: (319) 841-4000

**END OF ADDENDUM #1**

# PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE RECONSTRUCTION AND IMPROVEMENT OF ELM STREET, CHATHAM STREET, AND HIGH STREET, IN WILLIAMSBURG, IOWA. ELM STREET, FROM LEO BOULEVARD TO SOUTH STREET, WILL BE RECONSTRUCTED AND IMPROVED WITH WORK INCLUDING PAVEMENT, SIDEWALKS, DRIVEWAYS, SANITARY, AND WATER LINES. CHATHAM STREET, FROM THE SOUTH OF HIGH STREET AT 911 CHATHAM TO NORTH OF HIGH STREET AT 805 CHATHAM, WILL BE RECONSTRUCTED AND IMPROVED WITH WORK INCLUDING PAVEMENT, SIDEWALK, DRIVEWAYS, AND STORM LINES. HIGH STREET, FROM CHATHAM STREET TO ELM STREET, WILL BE RECONSTRUCTED AND IMPROVED WITH WORK INCLUDING PAVEMENT, SIDEWALKS, DRIVEWAYS, AND WATER LINES.

## ESTIMATED PROJECT QUANTITIES

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2010-A	CLEARING AND GRUBBING	UNIT	610	
2	2010-D-3	TOPSOIL, OFF-SITE, 8"	CY	1074	
3	2010-E	EXCAVATION, CLASS 10	CY	2325	
4	2010-G	SUBGRADE PREPARATION	SY	6247.7	
5	2010-J	SUBBASE, MODIFIED, PER PLAN	SY	6247.7	
6	2010-M	COMPACTION TESTING	LS	1	
7	2010-X	EXPLORATORY EXCAVATION	HR	4	
8	3010-F	TRENCH COMPACTION TESTING	LS	1	
9	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 INCH	LF	832.1	
10	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, C900, 8 INCH	LF	35	
11	4010-F	SANITARY SEWER SERVICE RELOCATION	EA	32	
12	4010-H	REMOVAL OF SANITARY SEWER, 8 INCH	LF	12	
13	4010-H	REMOVAL OF SANITARY SEWER, 8 INCH	LF	855.1	
14	4020-A-1	STORM SEWER, TRENCHED, HDPE, 15 INCH	LF	139	
15	4020-A-2	STORM SEWER, TRENCHED, PVC C900, 16 INCH	LF	195	
16	4020-A-4	STORM SEWER, TRENCHED, PVC C900, 18 INCH	LF	333	
17	4020-C	LINEAR TRENCH DRAIN, SW-521	LF	12	
18	4020-D	REMOVAL OF STORM SEWER, LESS THAN 36 INCH DIA.	LF	476	
19	4040-A	SUBDRAIN, CASE B, TYPE 1, 6 INCH	LF	2102.1	
20	4040-A	SUBDRAIN, TYPE 2, 4 INCH	LF	11	
21	4040-B	FOOTING DRAIN COLLECTOR, HDPE, 6 INCH	LF	74	
22	4040-C-1	SUBDRAIN CLEANOUT, TYPE A-2, 6 INCH	EA	9	
23	4040-C-1	SUBDRAIN CLEANOUT, TYPE B, 18 INCH	EA	1	
24	4040-D-1	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	9	
25	4040-D-2	FOOTING DRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	4	
26	5010-A-1	WATER MAIN, TRENCHED, PVC, 6 INCH	LF	195	
27	5010-A-2	WATER MAIN, TRENCHLESS, PVC, 6 INCH	LF	1161	
28	5010-C-1	FITTING, BY WEIGHT, DUCTILE IRON	LB	1076	
29	5010-D	WATER SERVICE STUB, POLYETHYLENE, 1 INCH	EA	20	
30	5010-F	WATER MAIN ABANDONMENT, CAP, 4 INCH	LF	599.5	
31	5010-F	WATER MAIN ABANDONMENT, CAP, 8 INCH	LF	398.2	
32	5020-A	VALVE GATE, 6 INCH	EA	10	
33	5020-A	FLUSHING DEVICE, AIR RELEASE, 1 INCH	EA	1	
34	6020-B	TAPPING VALVE ASSEMBLY, 6 INCH	EA	1	
35	5020-C	FIRE HYDRANT ASSEMBLY	EA	3	
36	5020-D	ALTERNATE FIRE HYDRANT ASSEMBLY	EA	1	
37	5020-J	FIRE HYDRANT ASSEMBLY REMOVAL	EA	3	
38	6010-A	MANHOLE, SANITARY SEWER, SW-301, 48 INCH	EA	4	
39	6010-A	MANHOLE, STORM SEWER, SW-401, 48 INCH	EA	1	
40	6010-B	INTAKE, SW-541	EA	9	
41	6010-B	INTAKE, SW-542	EA	4	
42	6010-E-1	MANHOLE ADJUSTMENT, MINOR	EA	2	
43	6010-G-2	CONNECTION TO EXISTING STRUCTURE	EA	2	
44	6010-H-1	REMOVE MANHOLE	EA	7	
45	6010-H-2	REMOVE INTAKE	EA	6	
46	7010-A	PAVEMENT, PCC, 7 INCH, CLASS C	SY	5450.3	
47	7010-I	PAVEMENT SAMPLES AND TESTING	LS	1	
48	7030-A-1	REMOVAL OF SIDEWALK	SY	561	
49	7030-A-3	REMOVAL OF DRIVEWAY	SY	1284	
50	7030-A-3	REMOVAL OF TEMPORARY DRIVEWAY, GRANULAR	SY	440	
51	7030-B	REMOVAL OF CURB	LF	10	
52	7030-E	SIDEWALK, PCC, 4 INCH	SY	873.4	
53	7030-E	SIDEWALK, PCC, 8 INCH	SY	86.4	
54	7030-G	DETECTABLE WARNING	SF	120	
55	7030-H-1	DRIVEWAY, PAVED, PCC, 6 INCH	SY	1099.5	
56	7030-H-2	TEMPORARY DRIVEWAY, GRANULAR, 6 INCH	SY	440	
57	7080-F	PERMEABLE INTERLOCKING PAVERS, 8 INCH x 4 INCH CLAY BRICKS	SY	20	
58	7040-H	PAVEMENT REMOVAL	SY	5113	
59	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	
60	8040-B	TRAFFIC SIGNS, SHEET ALUMINUM, TYPE A	SF	17	
61	8040-D	PERFORATED SQUARE STEEL TUBE POSTS	LF	11	
62	8040-G	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INST	EA	1	
63	8040-I	REMOVE AND REINSTALL TRAFFIC SIGNS	EA	13	
64	9010-B	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	AC	1	
65	9010-B	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 4	AC	1	
66	9040-A-2	SWPPP MANAGEMENT	LS	1	
67	9040-E	TEMPORARY RECIP, TYPE 2C	SY	920	
68	9040-F-1	WATTLE, 12 INCH	LF	1008	
69	9040-F-2	WATTLE, REMOVAL	LF	1008	
70	9040-T-1	INLET PROTECTION DEVICE, SURFACE-APPLIED	EA	17	
71	9040-T-2	INLET PROTECTION DEVICE, MAINTENANCE	EA	17	
72	9071-A	SEGMENTAL BLOCK RETAINING WALL	SF	108	
73	9072-A	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED	CY	4.2	
74	10,010-X-1	REMOVALS, PER PLAN	LS	1	
75	11,010-A	CONSTRUCTION SURVEY	LS	1	
76	11,020-A	MOBILIZATION	LS	1	
77	11,030-A	MAINTENANCE OF POSTAL SERVICE	LS	1	
78	11,030-B	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	
79	11,050-A	CONCRETE WASHOUT	LS	1	

## ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
1	2010-A	CLEARING AND GRUBBING A. REFER TO C SHEETS FOR TABULATION. B. THE CONTRACTOR SHALL FIELD VERIFY CLEARING AND GRUBBING NEEDS PRIOR TO BIDDING. C. MATERIAL THAT IS REMOVED FROM THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. D. DO NOT DISTURB DESIRABLE TREES OR VEGETATION OUTSIDE OF THE GRADING LIMITS. E. ALL CLEARING OF TREES MUST BE COMPLETE PRIOR TO MARCH 31, 2025.
2	2010-D-3	TOPSOIL, OFF-SITE, 8" A. USE TOPSOIL MEETING REQUIREMENTS OF SUDAS, SECTION 2010, 2.01. C. B. SUITABLE ON-SITE TOPSOIL MAY BE USED. C. BID QUANTITY IS 1074 CY ASSUMING A 20% SHRINKAGE FACTOR. D. FURNISHING, STRIPPING, TRANSPORTING, STOCKPILING AND SPREADING IS CONSIDERED INCIDENTAL TO THIS ITEM. E. THE QUANTITY FOR WHICH PAYMENT WILL BE MADE WILL BE THE QUANTITY SHOWN IN THE CONTRACT DOCUMENTS.
3	2010-E	EXCAVATION, CLASS 10 A. REFER TO T SHEETS FOR TABULATIONS AND W SHEETS FOR CROSS SECTIONS. B. PAYMENT IS TO BE MADE ON THE CUT VOLUME. C. ITEM INCLUDES 2325 CY OF CUT AND 689 CY OF ADJUSTED FILL. D. WHEN PLACING FILL, NO LAYER SHALL BE PLACED IN EXCESS OF 8 INCHES OR LESS THAN 2 INCHES IN COMPACTED THICKNESS.
4	2010-G	SUBGRADE PREPARATION A. REFER TO B SHEETS FOR TYPICAL SECTIONS. ITEM INCLUDES 12 INCH SUBGRADE PREPARATION. B. REFER TO C SHEETS FOR PAVEMENT AREA TABULATIONS. C. A MINIMUM OF 96% STANDARD PROCTOR DENSITY WILL BE REQUIRED FOR THIS ITEM.
5	2010-J	SUBBASE, MODIFIED, PER PLAN A. REFER TO B SHEETS FOR TYPICAL SECTIONS. B. REFER TO C SHEETS FOR PAVEMENT TABULATIONS.
6	2010-M	COMPACTION TESTING
7	2010-X	EXPLORATORY EXCAVATION A. MEASUREMENT SHALL BE FOR EACH HOUR OF EXPLORATORY EXCAVATIONS AS SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER. PAYMENT SHALL BE CONSIDERED FULL COMPENSATION FOR EXPLORATORY EXCAVATION WITH A VACUUM TRENCH OR EXCAVATOR AND SUBSIDIARY LABOR AND MATERIALS. PAYMENT WILL BE MADE TO THE NEAREST ONE-HALF HOUR. LOCATING UTILITY LINES SHOWN ON THE PLANS AND MARKED BY IOWA ONE CALL WILL NOT BE COVERED UNDER THIS BID ITEM. UNLESS NOTED OTHERWISE ON THE PLANS, THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE MAJOR WORK BEING COMPLETED. B. ASSUMED FOUR HOURS AS APPROVED BY THE ENGINEER.
8	3010-F	TRENCH COMPACTION TESTING
9	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 INCH A. REFER TO C SHEETS FOR LOCATIONS AND DETAILS. REFER TO C SHEETS FOR TABULATIONS. B. COMPLY WITH ASTM D 3034, SDR 26. JOINTS SHALL BE ASTM D 3212, GASKETED. C. ITEM INCLUDES TRENCH EXCAVATION; DEWATERING; FURNISHING AND INSTALLING PIPE; FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL; WYES AND OTHER FITTINGS; PIPE JOINTS; PIPE CONNECTIONS; TESTING; AND INSPECTION. D. BEDDING SHALL BE CLASS F-3 PER SUDAS FIGURE 3010.103. BACKFILL ABOVE TRENCH BEDDING WITH GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL. E. CONNECTIONS TO EXISTING SANITARY SEWER SHALL BE CONSIDERED INCIDENTAL TO SANITARY SEWER INSTALLATION. COMPLY WITH SUDAS SECTION 4050, 3.07 AND SUDAS SECTION 4010, 3.09. F. BYPASS PUMPING SHALL BE INCIDENTAL TO THIS ITEM. DEVELOPMENT AND SUBMITTAL OF THE BYPASSING PLAN SHALL BE SUBMITTED BY THE CONTRACTOR.
10	4010-A-1	SANITARY SEWER GRAVITY MAIN, TRENCHED, C900, 8 INCH A. REFER TO C SHEETS FOR LOCATIONS AND DETAILS. REFER TO C SHEETS FOR TABULATIONS. B. COMPLY WITH AWWA C900, DR 18. JOINTS SHALL BE PUSH-ON ACCORDING TO AWWA C900. C. PIPE SHALL COMPLY WITH THE REQUIREMENTS IN SUDAS SECTION 5010.2.01 FOR PVC PIPE. D. ITEM INCLUDES TRENCH EXCAVATION; DEWATERING; FURNISHING AND INSTALLING PIPE; FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL; WYES AND OTHER FITTINGS; PIPE JOINTS; PIPE CONNECTIONS; TESTING; AND INSPECTION. E. BEDDING SHALL BE CLASS F-3 PER SUDAS FIGURE 3010.103. BACKFILL ABOVE TRENCH BEDDING WITH GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL. F. CONNECTIONS TO EXISTING SANITARY SEWER SHALL BE CONSIDERED INCIDENTAL TO SANITARY SEWER INSTALLATION. COMPLY WITH SUDAS SECTION 4050, 3.07 AND SUDAS SECTION 4010, 3.09. G. BYPASS PUMPING SHALL BE INCIDENTAL TO THIS ITEM. DEVELOPMENT AND SUBMITTAL OF THE BYPASSING PLAN SHALL BE SUBMITTED BY THE CONTRACTOR.
11	4010-F	SANITARY SEWER SERVICE RELOCATION A. ITEM INCLUDES CONNECTIONS TO EXISTING SANITARY SERVICES AT THE RIGHT-OF-WAY LINE. COMPLY WITH SUDAS SECTION 4050.2.06. B. SANITARY SERVICE PIPE SHALL BE 4" PVC COMPLIANT WITH ASTM D 3034, MINIMUM THICKNESS SDR 23.5. C. JOINTS SHALL BE GASKETED COMPLIANT WITH ASTM D 3212.
13	4010-H	REMOVAL OF SANITARY SEWER, 8 INCH A. REFER TO C SHEETS FOR LOCATIONS AND DETAILS. REFER TO C SHEETS FOR TABULATIONS. B. BACKFILL OF THE TRENCH FROM THE REMOVAL OF THE SANITARY SEWER SHALL BE GRANULAR BACKFILL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL. IT IS ANTICIPATED THAT MOST GRANULAR BACKFILL USED FOR THIS APPLICATION WILL ALSO SERVE THE PURPOSE OF BACKFILLING OF THE PROPOSED PIPE INSTALLATION TRENCHES. C. THIS ITEM INCLUDES THE COST OF REMOVAL AND DISPOSAL OF PIPE, DEWATERING AND SHORING NECESSARY FOR COMPLETE SEWER REMOVAL AND THE REQUIRED TEMPORARY SANITARY SEWER BYPASS.
14	4020-A-1	STORM SEWER, TRENCHED, HDPE, 15 INCH A. REFER TO M SHEETS FOR LOCATIONS AND DETAILS. REFER TO C SHEETS FOR TABULATIONS. B. COMPLY WITH AASHTO M294 WITH MINIMUM PIPE STIFFNESS AT 5% DEFLECTION PER ASTM 2412. C. ITEM INCLUDES TRENCH EXCAVATION; DEWATERING; FURNISHING AND INSTALLING PIPE; FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL; JOINT WRAPPING; WYES AND OTHER FITTINGS; PIPE CONNECTIONS; CONNECTIONS TO EXISTING PIPES; TESTING AND INSPECTION. D. BEDDING SHALL BE CLASS F-3 PER SUDAS FIGURE 3010.103. BACKFILL ABOVE TRENCH BEDDING WITH GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL.

ADDENDUM #1

DRAWN BY: CPJ JOB DATE: 2024  
 APPROVED: MAC JOB NUMBER: 2402682  
 CAD DATE: 1/17/2025 10:22:48 AM  
 CAD FILE: J:\2024\2402682\CAD\DWG\C\01.dwg

BAR IS ONE INCH ON  
 OFFICIAL DRAWINGS.  
 0" = 1"  
 IF NOT ONE INCH,  
 ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	1/17/25	MAC	ADDENDUM #1



ELM, HIGH, AND CHATHAM RECONSTRUCTION  
 CITY OF WILLIAMSBURG  
 WILLIAMSBURG, IOWA

QUANTITIES AND GENERAL INFORMATION  
 ESTIMATED PROJECT QUANTITIES AND  
 REFERENCE INFORMATION

SHEET NO.  
 C.01

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
15	4020-A-2	STORM SEWER, TRENCHED, PVC C900, 18 INCH
16	4020-A-4	STORM SEWER, TRENCHED, PVC C900, 18 INCH A. REFER TO M SHEETS FOR LOCATIONS AND DETAILS. REFER TO C SHEETS FOR TABULATIONS. B. ITEM INCLUDES TRENCH EXCAVATION; DEWATERING; FURNISHING AND INSTALLING PIPE; FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL; JOINT WRAPPING; WYES AND OTHER FITTINGS; PIPE CONNECTIONS, CONNECTIONS TO EXISTING PIPES, TESTING AND INSPECTION. C. BEDDING SHALL BE CLASS F-3 PER SUDAS FIGURE 3010.103. BACKFILL ABOVE TRENCH BEDDING WITH GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL.
17	4020-C	LINEAR TRENCH DRAIN, SW-521 A. REFER TO U-01 FOR DETAILS. B. LINEAR TRENCH DRAIN SHALL BE 12" WIDE HEAVY DUTY TRENCH DRAIN, NEENAH FOUNDRY R-4990 OR APPROVED EQUAL.
18	4020-D	REMOVAL OF STORM SEWER, LESS THAN 36 INCH DIA. A. REFER TO M SHEETS FOR TABULATIONS AND ADDITIONAL REMOVAL INFORMATION. B. BACKFILL OF THE TRENCH FROM THE REMOVAL OF THE STORM SEWER SHALL BE GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL. IT IS ANTICIPATED THAT MOST GRANULAR BACKFILL USED FOR THIS APPLICATION WILL ALSO SERVE THE PURPOSE OF BACKFILLING OF THE PROPOSED PIPE INSTALLATION TRENCHES.
19	4040-A	SUBDRAIN, CASE B, TYPE 1, 8 INCH
20	4040-A	SUBDRAIN, TYPE 2, 4 INCH
21	4040-B	FOOTING DRAIN COLLECTOR, HDPE, 6 INCH
22	4040-C-1	SUBDRAIN CLEANOUT, TYPE A-2, 6 INCH
23	4040-C-1	SUBDRAIN CLEANOUT, TYPE B, 18 INCH
24	4040-D-1	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH
25	4040-D-2	FOOTING DRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH A. REFER TO B SHEETS FOR TYPICAL SECTIONS. B. REFER TO M SHEETS FOR TABULATIONS. C. REFER TO M SHEETS FOR PLAN LOCATIONS.
26	5010-A-1	WATER MAIN, TRENCHED, PVC, 6 INCH
27	5010-A-2	WATER MAIN, TRENCHLESS, PVC, 6 INCH A. REFER TO O SHEETS FOR TABULATIONS. B. REFER TO O SHEETS FOR PLAN LOCATIONS. C. BEDDING SHALL BE CLASS P-3 PER SUDAS FIGURE 3010.104. BACKFILL ABOVE TRENCH BEDDING WITH GRANULAR BACKFILL MATERIAL UNDERNEATH ALL ROADWAY PAVEMENT AND DRIVEWAY AREAS MEETING REQUIREMENTS FOR IOWA DOT GRADATION NO. 11, CLASS A STONE. SAND SHALL NOT BE USED AS GRANULAR BACKFILL. D. ITEM INCLUDES CONNECTIONS TO EXISTING WATER MAIN, TESTING AND DISINFECTION ACCORDING TO SUDAS SECTION 5030. E. ITEM INCLUDES TRACER SYSTEM. TRACER WIRE TO BE FIXED TO THE SIDE OF THE PIPE AT A POSITION OF 2 O'CLOCK OR 10 O'CLOCK AND ATTACHED WITH 2 INCH WIDE, 10 MIL THICKNESS POLYETHYLENE PRESSURE SENSITIVE TAPE EVERY 5 FEET.
28	5010-C-1	FITTING, BY WEIGHT, DUCTILE IRON
29	5010-D	WATER SERVICE STUB, POLYETHYLENE, 1 INCH A. POLYETHYLENE SERVICE LINES SHALL MEET REQUIREMENTS OF PE 4710 IPS 250 PSI OR PE CTS 250 PSI. B. SERVICE LINES SHALL HAVE FLARED END TUBE JOINTS WITH USAS (ASA) #40.2 COMPRESSION CAST BRASS, FLARED NUTS, FOR EACH TUBE END, ANACONDA, NIBCO OR APPROVED EQUAL. AN APPROVED PIPE COMPOUND SHALL BE APPLIED TO THREADED FITTINGS. C. SERVICE LINES SHALL HAVE UNIONS PROVIDED FOR ALL CONNECTIONS TO FERROUS AND PLASTIC PIPING: CTS COMPRESSION CPLG A.Y. MCDONALD MANUFACTURING COMPANY, 47580, IPS CPLG A.Y. MCDONALD MANUFACTURING COMPANY 4758-33, OR APPROVED EQUAL. D. CURB STOPS SHALL BE A.Y. MCDONALD MANUFACTURING COMPANY, MUELLER COMPANY OR APPROVED EQUAL. E. CURB STOP SERVICE BOX SHALL BE COMPLETE WITH LID, 2 HOLE A.Y. MCDONALD MANUFACTURING COMPANY OR APPROVED EQUAL. F. CONNECTIONS TO EXISTING SERVICES AND REMOVAL OF EXISTING WATER SERVICES SHALL BE INCIDENTAL TO THIS ITEM.
30	5010-F	WATER MAIN ABANDONMENT, CAP, 4 INCH
31	5010-F	WATER MAIN ABANDONMENT, CAP, 6 INCH A. REFER TO C SHEETS FOR TABULATION. B. REMOVAL OF VALVE BOXES SHALL BE INCIDENTAL TO THIS ITEM. C. ANY WATER MAIN REMOVAL NECESSARY FOR THE INSTALLATION OF WATER MAIN OR OTHER UTILITIES SHALL BE INCIDENTAL TO THIS ITEM.
32	5020-A	VALVE, GATE, 8 INCH A. REFER TO C SHEETS FOR TABULATIONS. B. GATE VALVES SHALL CONFORM TO AWWA C509 OR AWWA C515. C. GATE VALVES SHALL BE CLOW OR MUELLER VALVES WITH EPOXY OR POLYMER LINING. VALVES SHALL HAVE 200 PSI WORKING PRESSURE AND GASKETS RATED AT 250 PSI. THE WATERWAY SHALL BE A FULL SIZED WATERWAY. VALVES SHALL BE CAPABLE OF BEING REPACKED OR REPLACING O-RINGS UNDER PRESSURE. D. VALVE BOXES SHALL BE TYLER 884 SCREW 6850 SERIES.
33	5020-A	FLUSHING DEVICE, AIR RELEASE, 1 INCH A. REFER TO C SHEETS FOR TABULATIONS. B. DEVICE SHALL BE VAL-MATIC, GA INDUSTRIES, OR ENGINEER APPROVED EQUAL. C. MEASUREMENT: EACH TYPE AND SIZE OF FLUSHING DEVICE WILL BE COUNTED. D. PAYMENT: PAYMENT WILL BE AT THE UNIT PRICE FOR EACH FLUSHING DEVICE. E. INCLUDES: UNIT PRICE INCLUDES BUT IS NOT LIMITED TO FURNISHING AND INSTALLING DEVICE INCLUDING ALL COMPONENTS ATTACHED TO THE DEVICE OR REQUIRED FOR ITS COMPLETE INSTALLATION INCLUDING TAPPING SADDLE, CURB BOXES, SUPPORT AND THRUST BLOCKING, TRENCH EXCAVATION, FURNISHING, PLACING AND COMPACTING BEDDING AND BACKFILL MATERIAL, AND ADJUSTMENT OF VALVE BOX TO FINAL GRADE.
34	5020-B	TAPPING VALVE ASSEMBLY, 6 INCH A. REFER TO C SHEETS FOR TABULATION.
35	5020-C	FIRE HYDRANT ASSEMBLY
36	5020-D	ALTERNATE FIRE HYDRANT ASSEMBLY A. FIRE HYDRANT SHALL BE CLOW, WATEROUS PACER. B. FIRE HYDRANT SHALL HAVE: 5/14 INCH MAIN VALVE OPENING, 3-WAY, 6 INCH MJ SHOE, OPEN LEFT, 1 1/2 INCH PENT NUT, NTS THREADS, RED COLOR.
37	5020-J	FIRE HYDRANT ASSEMBLY REMOVAL
38	6010-A	MANHOLE, SANITARY SEWER, SW-301, 48 INCH
39	6010-A	MANHOLE, STORM SEWER, SW-401, 48 INCH A. REFER TO M AND O SHEETS FOR TABULATIONS. B. REFER TO M AND O SHEETS FOR LOCATIONS. C. ALL MANHOLES SHALL HAVE EXTERIOR WATERPROOF (BITUMINOUS) COATING. D. ITEM INCLUDES SHEETING, SHORING, BRACING AND DEWATERING. E. THE CONTRACTOR SHALL PROTECT ALL TRENCHES PER OSHA, COST INCLUDED IN BID ITEM.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM DESCRIPTION
40	6010-B	INTAKE, SW-541
41	6010-B	INTAKE, SW-542 A. REFER TO M SHEETS FOR TABULATION AND LOCATIONS. B. ITEM INCLUDES SHEETING, SHORING, BRACING, AND DEWATERING, IF REQUIRED. C. SLOPE INTAKE TOPS TO CONFORM WITH ADJACENT GRADING. D. THE CONTRACTOR SHALL PROTECT ALL TRENCHES PER OSHA, COST INCLUDED IN BID ITEM.
42	6010-E-1	MANHOLE ADJUSTMENT, MINOR
43	6010-G-2	CONNECTION TO EXISTING STRUCTURE A. STORM SEWER CONNECTION TO EXISTING INTAKE ON ELM STREET, STA. 38.52.00, RT. B. SANITARY SEWER CONNECTION TO EXISTING MANHOLE ON CHATHAM STREET, STA. 15+24.00.
44	6010-H-1	REMOVE MANHOLE
45	6010-H-2	REMOVE INTAKE A. REFER TO M SHEETS FOR TABULATIONS. B. THE BACKFILL OF THE VOID FROM THE REMOVAL OF THE STRUCTURES, ABOVE THE BEDDING MATERIAL, SHALL BE GRANULAR BACKFILL. IT IS ANTICIPATED THAT MOST GRANULAR BACKFILL FOR THIS APPLICATION WILL ALSO SERVE THE PURPOSE OF BACKFILLING OF THE PROPOSED SEWER INSTALLATION.
46	7010-A	PAVEMENT, PCC, 7 INCH, CLASS C A. REFER TO THE B SHEETS FOR TYPICAL SECTIONS. B. REFER TO THE C SHEETS FOR TABULATIONS. C. CONTRACTOR SHALL PROVIDE CERTIFIED PLANT INSPECTION FOR PORTLAND CEMENT CONCRETE PER SPECIFICATIONS. D. REFER TO L SHEETS FOR GEOMETRIC STAKING AND JOINTING DETAILS. USE SUDAS FIGURE 7010.101 DETAIL D-2 FOR CLEANING AND SEALING JOINTS. E. ALL CURBS ADJACENT TO PCC PAVING ARE CONSIDERED INCIDENTAL TO THIS ITEM.
47	7010-I	PAVEMENT SAMPLES AND TESTING A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PCC SAMPLES AND PCC TESTING. B. SAMPLES AND TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING FIRM.
48	7030-A-1	REMOVAL OF SIDEWALK
49	7030-A-3	REMOVAL OF DRIVEWAY A. REFER TO C SHEETS FOR TABULATIONS. B. REFER TO R SHEETS FOR LOCATIONS. C. FULL DEPTH SAW CUT OF EXISTING PAVEMENT PRIOR TO REMOVALS, INCIDENTAL TO PAY ITEM. D. REMOVE EXISTING PAVEMENT TO THE NEAREST JOINT OR AS DIRECTED BY THE ENGINEER.
50	7030-A-3	REMOVAL OF TEMPORARY DRIVEWAY, GRANULAR A. INCLUDES RESTORATION AND RE-GRADING OF RESIDENTIAL LOT TO EXISTING GRADES. B. CONTRACTOR IS RESPONSIBLE FOR HAULING AND DISPOSAL OF MATERIALS REMOVED.
51	7030-B	REMOVAL OF CURB
52	7030-E	SIDEWALK, PCC, 4 INCH
53	7030-E	SIDEWALK, PCC, 6 INCH A. REFER TO C SHEETS FOR TABULATIONS. B. REFER TO D AND S SHEETS FOR LOCATIONS. C. CERTIFIED PLANT INSPECTION WILL APPLY TO THIS PROJECT. D. SIDEWALK AREAS WITHIN DRIVEWAYS WILL BE MEASURED AND PAID FOR AS PART OF THE DRIVEWAY ITEM.
54	7030-G	DETECTABLE WARNING A. REFER TO C SHEETS FOR TABULATIONS. B. REFER TO S SHEETS FOR LOCATIONS.
55	7030-H-1	DRIVEWAY, PAVED, PCC, 6 INCH A. REFER TO C SHEETS FOR TABULATIONS. B. REFER TO D SHEETS FOR LOCATIONS. C. REFER TO L SHEETS FOR JOINTING DETAILS. D. SIDEWALK AREAS WITHIN DRIVEWAYS WILL BE MEASURED AND PAID FOR AS PART OF THIS ITEM.
56	7030-H-2	TEMPORARY DRIVEWAY, GRANULAR, 8 INCH A. ITEM INCLUDES EXCAVATION AND PREPARATION TO SUBGRADE. B. MAINTENANCE OF SURFACE WILL BE REQUIRED DURING THE PROJECT TO ENSURE THE DRIVE IS ACCESSIBLE AT ALL TIMES.
57	7080-F	PERMEABLE INTERLOCKING PAVERS, 8 INCH x 4 INCH CLAY BRICKS A. INTERLOCKING PAVERS TO MATCH EXISTING DRIVEWAY PAVERS. B. ITEM INCLUDES REMOVAL AND REINSTALLATION OF EXISTING PAVERS, FURNISHING PAVERS AS NEEDED AND INSTALLATION. C. PROVIDE 12 INCH STORAGE AGGREGATE, 4 INCH FILTER AGGREGATE AND 2 INCH BEDDING AGGREGATE WITH ENGINEERING FABRIC OVER SUBGRADE AND UP WEST SIDE OF EXCAVATION. SLOPE SUBGRADE AT 1% TO THE SOUTH. D. DO NOT PROVIDE UNDERDRAIN OR PCC EDGE RESTRAINT. E. INSTALLATION PATTERN TO MATCH EXISTING.
58	7040-H	PAVEMENT REMOVAL A. REFER TO C SHEETS FOR TABULATIONS. B. REFER TO R SHEETS FOR LOCATIONS. C. FULL DEPTH SAW CUT EXISTING PAVEMENT PRIOR TO REMOVALS IS INCIDENTAL TO PAY ITEM.
59	8030-A	TEMPORARY TRAFFIC CONTROL A. REFER TO J SHEETS FOR DETAILS, GENERAL NOTES, STAGING NOTES. B. ALL TEMPORARY TRAFFIC CONTROL TO COMPLY WITH THE LATEST VERSION OF THE MUTCD.
60	8040-B	TRAFFIC SIGNS, SHEET ALUMINUM, TYPE A
61	8040-D	PERFORATED SQUARE STEEL TUBE POSTS
62	8040-G	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION
63	8040-I	REMOVE AND REINSTALL TRAFFIC SIGNS A. REFER TO D SHEETS FOR LOCATIONS. B. REFER TO C SHEETS FOR TABULATIONS. C. SIGNS DESIGNATED TO BE REMOVED AND REINSTALLED WILL BE STORED ON CITY PROPERTY AT 304 HIGH STREET. CONTRACTOR TO COORDINATE WITH CITY. D. REPLACING SIGNS AND POSTS DESIGNATED FOR REINSTALLATION THAT HAVE BEEN DAMAGED IS THE CONTRACTOR'S RESPONSIBILITY.

DRAWN BY: CPJ JOB DATE: 2024  
 APPROVED: MAC JOB NUMBER: 2402682  
 CAD DATE: 1/17/2025 10:40:06 AM  
 CAD FILE: J:\2024\2402682\CAD\Dwgs\C\C.01.dwg

NO.	DATE	BY	REVISION DESCRIPTION
1	1/17/25	MAC	ADDENDUM #1



ELM, HIGH, AND CHATHAM RECONSTRUCTION  
 CITY OF WILLAMSBURG  
 WILLIAMSBURG, IOWA

QUANTITIES AND GENERAL INFORMATION  
 ESTIMATE REFERENCE INFORMATION

SHEET NO.  
 C.02





SANITARY SEWER PIPES									
Line Number	From	To	Size (In.)	Pipe Material	Pipe Length (Center to Center)	Slope (%)	Flow Lines		Remarks
							Inlet Elev.	Outlet Elev.	
SSP10	EXISTING PIPE	SS-100	8	PVC, C900	35.0	0.15	830.32	830.27	
SSP10	SS 98A	SS 98	8	PVC, SDR 26	188.2	1.17	831.09	839.82	
SSP11	SS 98A	SS 10	8	PVC, SDR 26	382.5	0.10	839.81	838.28	
SSP12	SS-48	EXISTING 8" VCP	8	PVC, SDR 26	341.4	2.70	835.28	829.07	
TOTALS:				PVC, C900	832.1				

SANITARY SEWER STRUCTURES					
Struct. No.	Location		Type	Rim/Form Elev.	Remarks
	Station	Offset			
SS-110	12+56.64	1.92 R	SW-301, 48"	835.27	
SS-30	30+04.09	2.74 R	SW-301, 48"	844.95	
SS-31	31+12.22	0.0 R	SW-301, 48"	845.72	
SS-32	34+94.72	0.0 R	SW-301, 48"	849.20	

SANITARY SERVICES					
No.	Location Station	Offset	Type	Pipe Diameter (Inches)	Length of Line (feet)
SSS100	10+00.46	31	PVC	4.0	31.0
SSS101	11+00.88	-27.7	PVC	4.0	28.7
SSS102	11+70.59	31	PVC	4.0	29.9
SSS103	11+71.98	28.1	PVC	4.0	29.2
SSS104	12+12.61	-28.8	PVC	4.0	30.0
SSS105	12+16.69	31	PVC	4.0	29.1
SSS106	12+46.86	31	PVC	4.0	28.8
SSS107	13+04.92	29	PVC	4.0	30.7
SSS108	13+81.52	-20	PVC	4.0	31.0
SSS109	14+13.20	29	PVC	4.0	26.8
SSS110	14+53.42	-29	PVC	4.0	31.0
SSS111	14+93.06	29.8	PVC	4.0	27.5
SSS112	15+68.25	-20	PVC	4.0	31.1
SSS300	30+35.04	-29	PVC	4.0	30.6
SSS301	30+63.04	-29	PVC	4.0	29.9
SSS302	30+93.93	29	PVC	4.0	28.7
SSS303	31+97.88	29	PVC	4.0	28.6
SSS304	31+99.27	-29	PVC	4.0	28.6
SSS305	32+69.31	29	PVC	4.0	28.2
SSS306	32+84.26	29	PVC	4.0	28.7
SSS307	33+20.72	29	PVC	4.0	28.6
SSS308	33+68.31	-29	PVC	4.0	28.6
SSS309	34+12.48	29	PVC	4.0	28.6
SSS310	34+75.81	29	PVC	4.0	28.7
SSS311	34+77.17	-29	PVC	4.0	28.6
SSS312	35+56.71	29	PVC	4.0	27.0
SSS313	36+32.65	29	PVC	4.0	30.4
SSS314	36+53.08	29	PVC	4.0	27.0
SSS315	37+30.30	-20	PVC	4.0	26.2
SSS316	37+69.31	29	PVC	4.0	31.5
SSS317	37+95.49	-29	PVC	4.0	25.6
SSS318	38+21.73	29	PVC	4.0	32.0
SANITARY SERVICE COUNT:					32
SANITARY SERVICE TOTAL LENGTH:					931.8

SANITARY SEWER MANHOLE ADJUSTMENTS						
Struct. No.	Location		Type	Existing Rim/Form Elev.	Proposed Rim/Form Elev.	Remarks
	Station	Offset				
SS-115	10+60.18	0.0 RT	MANHOLE ADJUSTMENT, MINOR	833.23	833.08	
SS-100	15+23.94	2.5 RT	MANHOLE ADJUSTMENT, MINOR	836.57	836.46	
TOTALS:				2		

REMOVAL OF SANITARY SEWER		
Location	Length (LF)	Remarks
CHATHAM STREET		
14+88.94, 2.4' - 15+11.81, 2.4'	23.0	8 IN. PVC
15+11.81, 2.4' - 15+23.81, 2.5'	12.0	6 IN. PVC
ELM STREET		
30+04.12, 2.6' - 31+12.17, 1.8'	108.2	8 IN. VCP
31+12.17, 1.8' - 35+94.66, -0.6'	382.5	8 IN. VCP
34+94.66, -0.6' - 38+36.10, -3.5'	341.4	8 IN. VCP
TOTAL (6 IN.):		12.0
TOTAL (8 IN.):		855.1

SUBDRAIN										
* NOT A BID ITEM										
Alignment	Side	Location		SUBDRAIN TYPE	Subdrain Size (IN)	Length (FT)	From Outlet Type	To Outlet Type	Porous Backfill* (CY)	Remarks
		Station From	Station To							
CHATHAM STREET	BOTH	12+06.44	12+19.67	FOOTING DRAIN	6.0	28.0	ST-02	EX. SUBDRAIN	2.1	
CHATHAM STREET	BOTH	13+00.00	13+13.92	FOOTING DRAIN	6.0	31.0	ST-03	CLEANOUT 00	2.3	
CHATHAM STREET	RT	13+13.92	13+21.98	FOOTING DRAIN	6.0	15.0	CLEANOUT 00	TRENCH DRAIN	1.1	
CHATHAM STREET	RT	13+55.76	13+48.01	LONGITUDINAL	4.0	11.0	TRENCH DRAIN	CLEANOUT 01	0.8	
HIGH STREET	RT	20+66.00	22+36.47	LONGITUDINAL	6.0	164.9	ST-08	CLEANOUT 02	12.2	
HIGH STREET	LT	20+09.36	22+26.58	LONGITUDINAL	6.0	226.3	ST-05	CLEANOUT 03	16.8	
HIGH STREET	RT	22+39.80	23+57.51	LONGITUDINAL	6.0	129.0	CLEANOUT 04	ST-23	9.6	
HIGH STREET	LT	22+45.17	23+56.86	LONGITUDINAL	6.0	110.9	CLEANOUT 05	ST-23	8.2	
ELM STREET	RT	29+56.80	34+14.50	LONGITUDINAL	6.0	460.3	EX. SUBDRAIN	CLEANOUT 06	34.1	
ELM STREET	LT	29+71.91	34+14.50	LONGITUDINAL	6.0	441.0	EX. SUBDRAIN	CLEANOUT 07	32.7	
ELM STREET	RT	34+17.62	36+94.75	LONGITUDINAL	6.0	276.2	CLEANOUT 08	ST-22	20.5	
ELM STREET	LT	34+17.62	36+95.22	LONGITUDINAL	6.0	293.5	CLEANOUT 09	ST-22	21.7	
TOTALS:				4" LONGITUDINAL		11.0			162.0	
				6" LONGITUDINAL		2102.1				
				6" FOOTING DRAIN COLLECTOR:		74.0				
				SUBDRAIN OUTLETS AND CONNECTIONS:		9.0				
				FOOTING DRAIN OUTLETS AND CONNECTIONS:		5.0				
				SUBDRAIN CLEANOUT:		9.0				

REMOVE AND REPLACE MAILBOX				
Alignment	Side	Location		Remarks
		Station		
CHATHAM STREET	RT	10+56.21		
CHATHAM STREET	LT	10+98.61		
CHATHAM STREET	RT	12+17.60		
CHATHAM STREET	RT	13+49.32		
CHATHAM STREET	LT	14+06.19		
CHATHAM STREET	RT	14+63.32		
CHATHAM STREET	LT	15+16.02		
CHATHAM STREET	RT	15+66.18		
ELM STREET	LT	30+42.58		
ELM STREET	LT	31+82.81		
ELM STREET	RT	32+54.31		
ELM STREET	LT	33+63.47		
ELM STREET	LT	34+19.03		
ELM STREET	RT	34+19.26		
ELM STREET	RT	34+46.46		
TOTALS:		15		

SIGNAGE					
Number	Replacement Location		Sign Description	Instruction	Remarks
	Station	Offset			
SI-0	10+28	-16.0	PRIVATE DRIVE AND NAME	REMOVE AND REINSTALL	
SI-1	11+80	16.0	NO PARKING ANY TIME	REMOVE AND REPLACE	REPLACE SIGN WITH NEW R7-1 NO PARKING SIGN.
SI-2	14+20	16.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
SI-3	15+40	28.0	YIELD AND STREET NAME	REMOVE AND REPLACE	REPLACE YIELD WITH NEW R1-1 STOP SIGN.
SI-4	15+40	-16.0	NOT A THROUGH STREET	REMOVE AND REINSTALL	
SI-5	30+20	27.0	STOP AND STREET NAME	REMOVE AND REINSTALL	
SI-6	31+25	17.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
SI-7	33+30	17.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
SI-8	34+95	17.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
SI-9	34+98	27.0	ONE WAY AND DO NOT ENTER	REMOVE AND REPLACE	ADD NEW R6-2 ONE WAY (LT) SIGN. ADD NEW POST.
SI-10	35+28	26.0	STOP AND DO NOT ENTER	REMOVE AND REINSTALL	
SI-11	36+68	-31.5	YIELD AND STREET NAME	REMOVE AND REPLACE	REPLACE YIELD WITH NEW R1-1 STOP SIGN.
SI-12	36+75	16.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
SI-13	37+80	-16.0	NO PARKING ANY TIME	REMOVE AND REINSTALL	
TOTALS:			REMOVE AND REINSTALL (EA)	13.0	
			NEW SIGNAGE (SF)	16.9	
			NEW POST (LF)	11.0	

NOTES:  
CONTRACTOR TO REMOVE EXISTING SIGNAGE AND CONTACT THE CITY TO COORDINATE STORAGE IN THE WELL HOUSE LOCATED AT 304 HIGH STREET.

ADDENDUM #1

DRAWN BY: CPJ JOB DATE: 2024  
 APPROVED: MAC JOB NUMBER: 2402682  
 CAD DATE: 1/17/2025 12:06:10 PM  
 CAD FILE: J:\2024\2402682\CAD\Dwgs\C\C.04.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION



ELM, HIGH, AND CHATHAM RECONSTRUCTION  
 CITY OF WILLAMSBURG  
 WILLAMSBURG, IOWA

QUANTITIES AND GENERAL INFORMATION  
 TABULATIONS

SHEET NO.  
 C.05

PCC PAVEMENT												
Location			Mainline				Non-Mainline Area	Total Area	Pavement Thickness	Modified Subbase - 6"	Remarks	
Road Identification	Direction of Travel	Station to Station	Width	Length	Area							
			FT	FT	SY	SY	SY	IN	SY			
CHATHAM STREET	N/S	10+17.31   15+81.2	26.0	533.4	1540.9	84.4	1625.3	7.0	1858.9			
CHATHAM STREET	E/W	13+11.92   13+45.82	10.0		46.1		46.1	7.0	52.6	ALLEY PAVING, PCC EXCLUDES COMBINED WALL AREA		
HIGH STREET	E/W	20+33.00   23+88.83	25.0	305.6	848.9	199.1	1048.0	7.0	1220.6			
ELM STREET	N/S	29+57.22   38+36.18	26.0	879.0	2539.2	112.2	2651.4	7.0	3024.9			
ELM STREET	E/W	34+89.70   35+01.40	10.0		26.5		26.5	7.0	30.2	ALLEY PAVING		
ELM STREET	E/W	35+02.40   35+27.20			53.0		53.0	7.0	60.5	SCHOOL DRIVE / COURT STREET		
<b>TOTAL</b>										5450.3	7.0	6247.7

DRIVEWAYS							
Location			Drop Curb Height (IN)	Width (FT)	6" PCC Driveway SY	Modified Subbase 6" SY	Remarks
Alignment	Side	Station					
CHATHAM STREET	RT	10+41.47	1.5	9.8	24.5	27.0	
CHATHAM STREET	LT	11+23.18	1.5	26.0	28.4	31.2	
CHATHAM STREET	RT	11+57.11	1.5	23.4	75.1	82.6	
CHATHAM STREET	LT	11+84.46	1.5	26.0	48.4	53.2	
CHATHAM STREET	LT	12+70.60	1.5	18.0	22.7	25.0	
CHATHAM STREET	LT	13+92.95	1.5	17.6	21.0	23.1	
CHATHAM STREET	LT	14+90.97	1.5	31.9	35.6	39.2	
HIGH STREET	RT	21+32.04	1.5	18.6	38.2	42.0	
HIGH STREET	LT	21+45.18	1.5	10.6	27.6	30.4	
HIGH STREET	RT	22+24.96	1.5	18.0	18.7	20.6	
HIGH STREET	LT	22+35.98	1.5	9.0	10.1	11.1	
HIGH STREET	RT	22+66.80	1.5	23.0	30.1	33.1	
HIGH STREET	LT	23+05.55	1.5	21.2	36.5	40.2	
ELM STREET	LT	30+52.06	1.5	10.7	33.0	36.3	
ELM STREET	LT	30+76.89	1.5	20.0	38.5	42.4	
ELM STREET	RT	31+15.90	1.5	9.9	21.8	24.0	
ELM STREET	RT	31+51.04	1.5	20.4	45.8	50.4	
ELM STREET	LT	31+94.76	1.5	15.0	44.8	49.3	
ELM STREET	RT	32+22.19	1.5	9.5	22.4	24.6	
ELM STREET	LT	33+01.01	1.5	13.2	74.2	81.6	
ELM STREET	RT	33+01.25	1.5	23.9	71.8	79.0	
ELM STREET	RT	33+75.52	1.5	12.4	30.1	33.1	
ELM STREET	LT	33+88.68	1.5	20.5	53.6	59.0	
ELM STREET	LT	34+30.45	1.5	15.8	43.9	48.3	
ELM STREET	RT	35+14.58	1.5	24.7	53.0	58.3	
ELM STREET	RT	37+34.39	1.5	47.7	112.9	124.2	
ELM STREET	RT	38+07.36	1.5	13.1	26.8	29.5	
<b>TOTALS:</b>					1089.5	1198.5	

SIDEWALKS, PCC							
Location			Sidewalk Width	4" PCC Sidewalk SY	6" PCC Sidewalk SY	Detectable Warnings SF	Remarks
Intersection/Road	Quadrant/Side	Station to Station					
			FT	SY	SY	SF	
CHATHAM STREET	RT	10+46.40   11+45.40	4.0	45.3			INCLUDES 1.20 SY FOR PRIVATE WALK
CHATHAM STREET	RT	11+68.80   12+23.20	4.0	24.2			
CHATHAM STREET	RT	12+39.20   13+21.90	4.0	36.8			
CHATHAM STREET	RT	13+52.50   14+88.40	4.0	63.5			INCLUDES 2.0 SY FOR PRIVATE WALK
CHATHAM/HIGH STREET	NW/NE/SE	14+88.40   15+51.10	5.0	8.3	17.1	40.0	ADA RAMPS
CHATHAM STREET	RT	15+51.07   16+16.36	4.0	29.4			
CHATHAM STREET	LT	10+98.07   15+71.65	4.0	47.4			6 LOCATIONS FOR SANITARY SERVICES
ELM ST/LEOS BLVD	NW/NE	30+25.96   30+30.95	5.0	5.6	12.6	20.0	ADA RAMPS
ELM STREET	LT	29+79.90   30+26.00	4.0	19.8			
ELM STREET	LT	30+30.95   36+31.17	4.0	226.1			
ELM STREET	RT	30+30.95   36+57.25	4.0	241.0			
ELM/HIGH STREET	ALL	36+57.25   37+12.83	5.0	20.8	43.3	40.0	ADA RAMPS & WALK ADJACENT TO WALL
ELM STREET	LT	37+12.83   38+29.44	4.0	52.1			
ELM STREET	RT	37+56.64   38+68.51	4.0	44.6			
ELM/SOUTH STREET	NE/SE	38+68.51   39+28.62	5.0	8.5	13.4	20.0	ADA RAMPS
<b>TOTAL</b>				873.4	86.4	120.0	

STORM SEWER																				
INTAKES AND UTILITY ACCESSES										PIPES										
No.	Location Station	Offset FT	Type or Standard Road Plan*	RIM / FG		Bottom Well Elev.	Notes	Line Number	Intake/Utility Access No.		Class	Pipe Diameter Inches	Bid Length* Feet	Design Length Feet	Slope %	Flow Lines		Granular CY	Pipe Plan Sheet No.	Notes
				Elev.	Elev.				From	To						Inlet Elevation	Outlet Elevation			
	CHATHAM STREET																			
MH 01	11+71.64	-9.5	SW-501	834.94	824.52	48 INCH		P-01	MH 01	EX PIPE	SDR 26	15	15	17.21	7.50%	825.02	823.73	7.1		
INT 02	12+06.32	-11.4	SW-541	834.27	827.49	INCLUDES SW-542 EXTENSION UNIT, LOW POINT, RIGHT		P-02	INT 02	MH 01	DR 18	18	36	39.54	2.50%	827.99	827.00	37.2		COMPLY WITH AMMA C900
INT 03	12+91.63	-11.4	SW-541	836.14	829.58	ON GRADE, RIGHT		P-03	INT 03	INT 02	DR 18	18	90	93.74	0.85%	830.08	829.29	82.0		COMPLY WITH AMMA C900
INT 04	14+46.28	-11.4	SW-541	835.99	830.83	INCLUDES SW-542 EXTENSION UNIT		P-04	INT 04	INT 03	DR 18	18	142	146.28	0.85%	831.33	830.08	101.6		COMPLY WITH AMMA C900
INT 05	15+15.35	-11.4	SW-541	835.90	831.03	INCLUDES SW-542 EXTENSION UNIT, LOW POINT, RIGHT		P-05	INT 05	INT 04	DR 18	18	65	69.08	0.30%	831.53	831.33	45.1		COMPLY WITH AMMA C900
INT 06	15+62.02	-11.4	SW-541	838.50	833.38	ON GRADE, RIGHT		P-06	INT 06	INT 05	DR 18	16	43	46.67	4.50%	833.88	831.78	29.6		COMPLY WITH AMMA C900
INT 07	15+73.45	11.4	SW-541	839.38	834.38	INCLUDES SW-542 EXTENSION UNIT, ON GRADE, LEFT		P-07	INT 07	INT 06	SDR 26	15	22	25.57	3.90%	834.88	833.88	7.9		
	HIGH STREET																			
INT 08	20+63.92	10.943	SW-541	837.91	832.59	ON GRADE, LEFT		P-08	INT 08	INT 05	SDR 26	15	52	55.59	2.35%	833.09	831.78	20.9		
INT 21	23+58.97	-10.92	SW-541	844.73	838.35	ON GRADE, LEFT		P-21	INT 21	INT 20	SDR 26	15	50	54.16	3.70%	838.85	836.85	26.7		
	ELM STREET																			
EX INT	38+52.50	11.57		833.59	828.59	EXISTING STRUCTURE														
INT 20	36+96.75	11.4	SW-541	843.30	836.35	ON GRADE, RIGHT		P-20	INT 20	EX INT	DR 18	16	153	153.12	5.00%	836.85	829.19	93.3		COMPLY WITH AMMA C900
												15" HDPE: 139 16" DR 18: 195 18" HDPE: 0 18" DR 18: 333								

ADDENDUM #1

DRAWN BY: CPJ JOB DATE: 2024  
 APPROVED: MAC JOB NUMBER: 2402682  
 CAD DATE: 1/17/2025 10:20:18 AM  
 CAD FILE: J:\2024\2402682\CAD\Dwgs\C\C.04.dwg

NO.	DATE	BY	REVISION DESCRIPTION
1	1/17/25	MAC	ADDENDUM #1

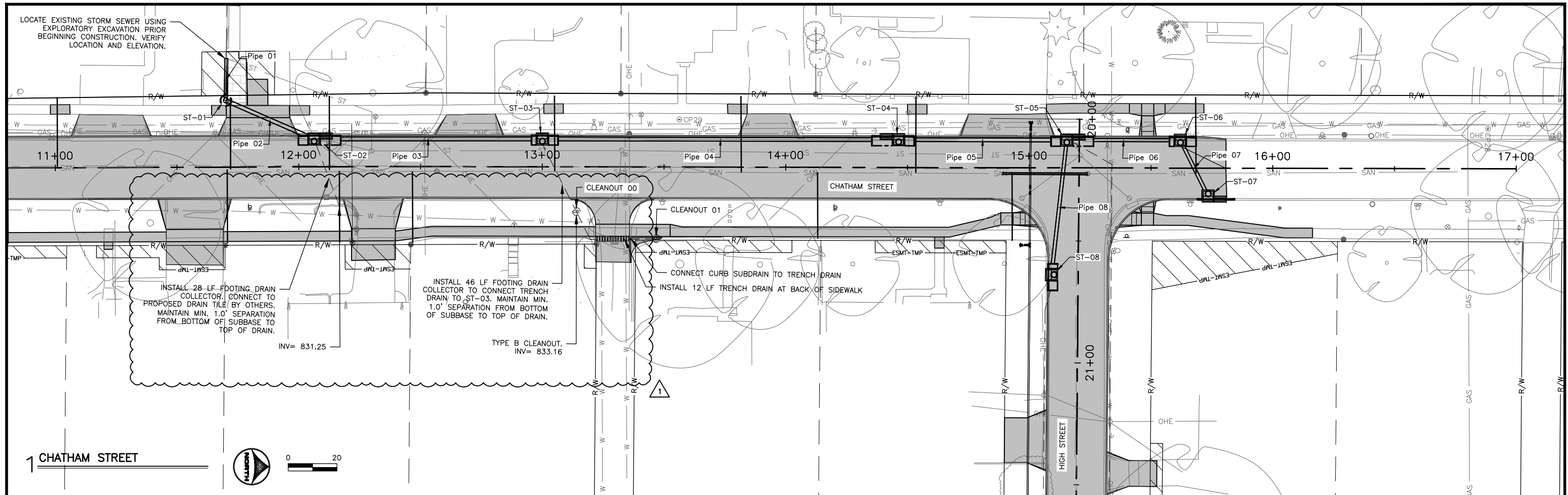


ELM, HIGH, AND CHATHAM RECONSTRUCTION  
 CITY OF WILLAMSBURG  
 WILLAMSBURG, IOWA

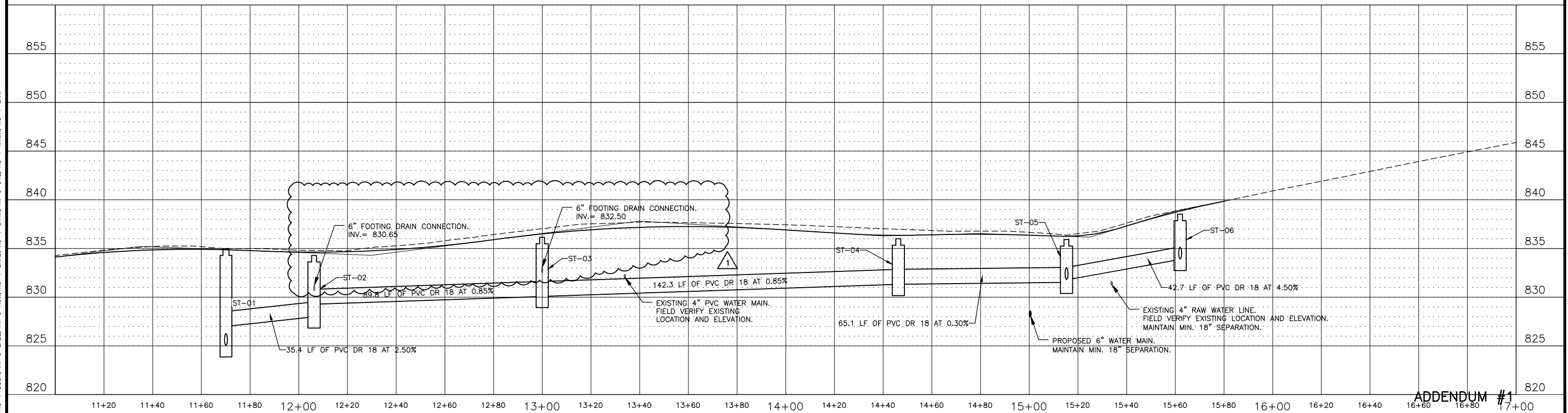
QUANTITIES AND GENERAL INFORMATION  
 TABULATIONS

SHEET NO.  
 C.06





STORM SEWER NOTES:  
1. VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES INCLUDING SEWER AND WATER SERVICES PRIOR TO CONSTRUCTION.



ADDENDUM #1

DRAWN BY: XXX JOB DATE: 2024  
APPROVED: XXX JOB NUMBER: 2402682  
CAD DATE: 1/17/2025 10:32:00 AM  
CAD FILE: J:\2024\2402682\CAD\Drawings\M.M.01.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS.  
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

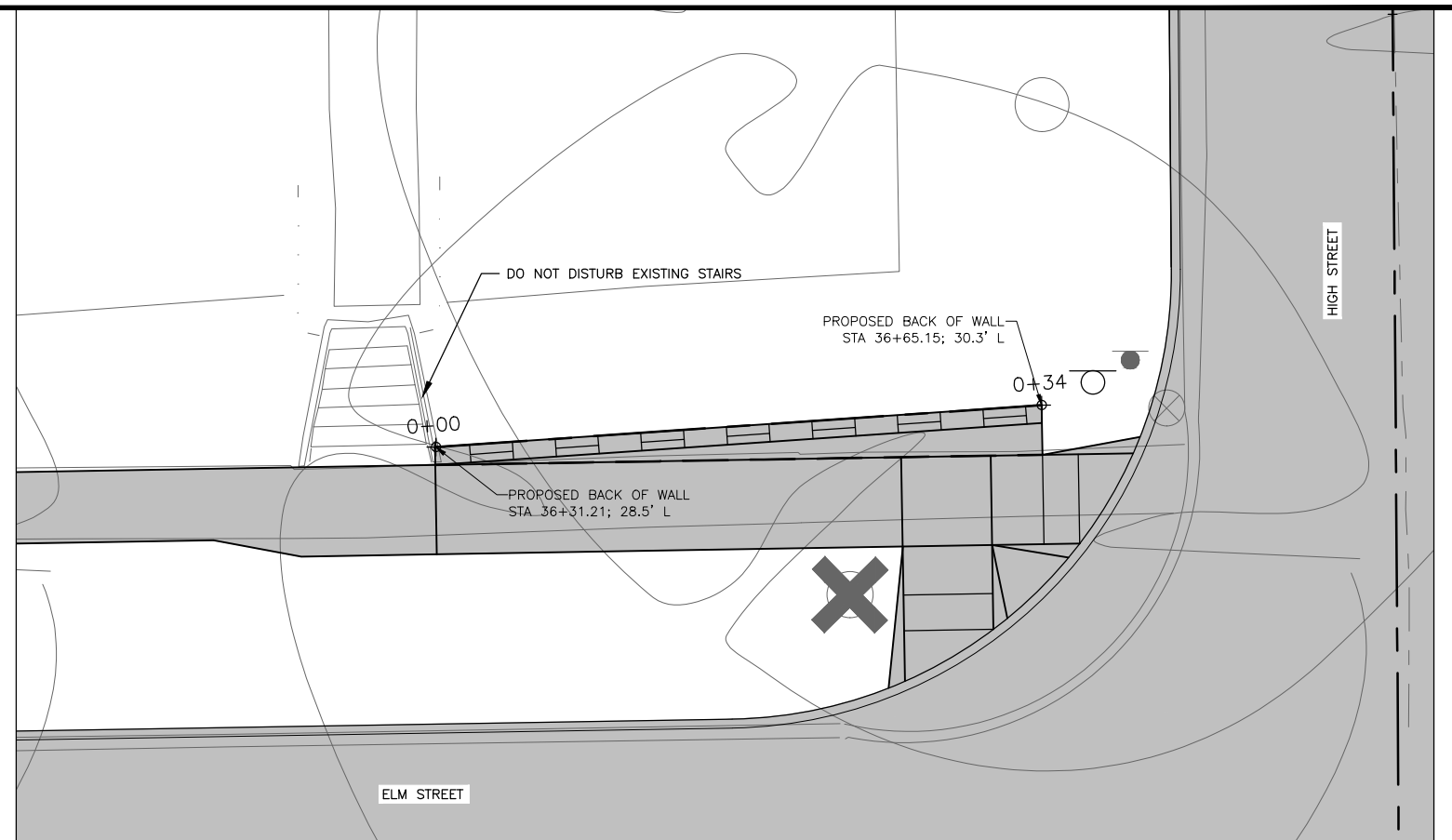
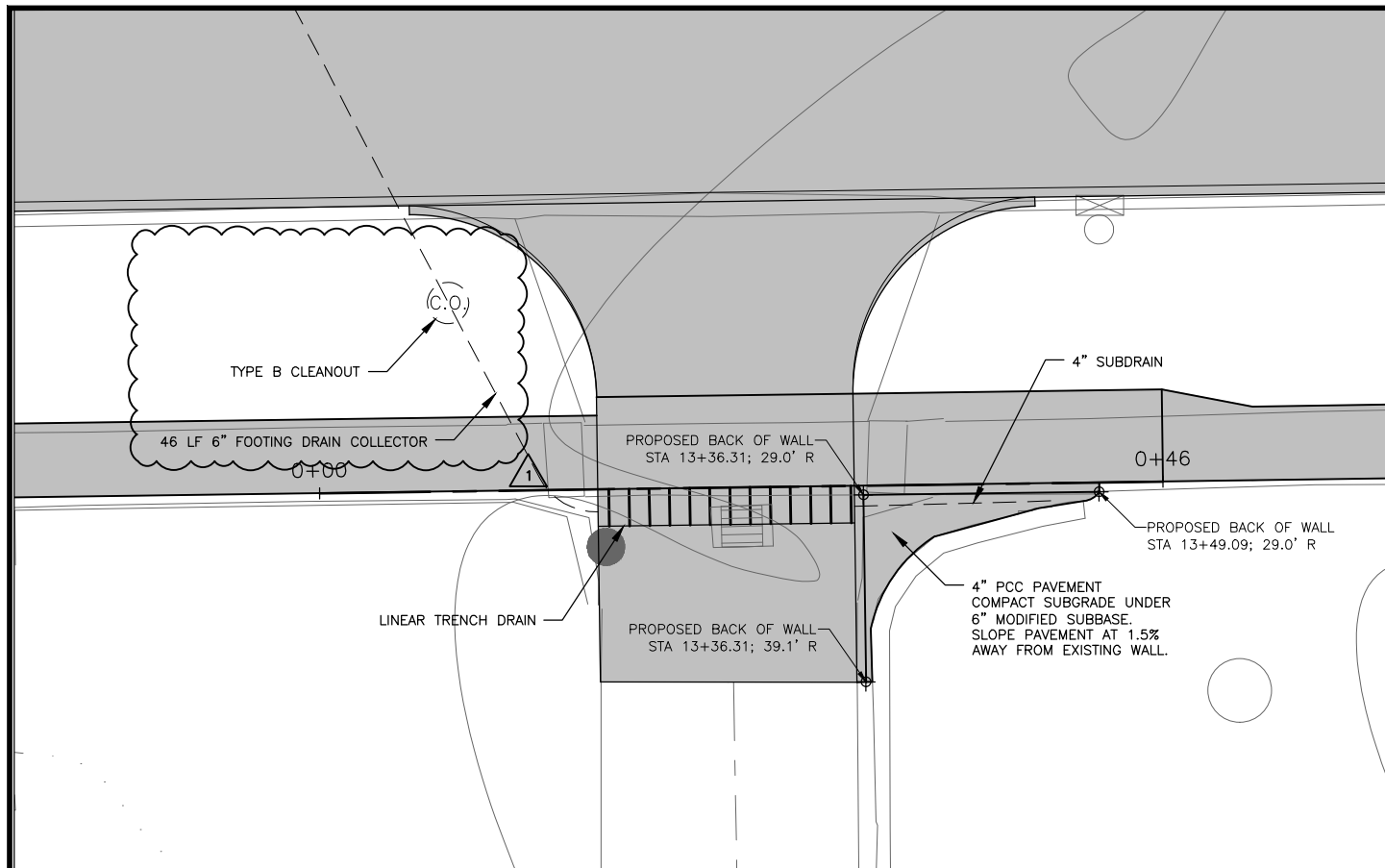
NO.	DATE	BY	REVISION DESCRIPTION
1	1/17/25	MAC	ADDENDUM #1



ELM, HIGH, AND CHATHAM RECONSTRUCTION  
CITY OF WILLAMSBURG  
WILLIAMSBURG, IOWA

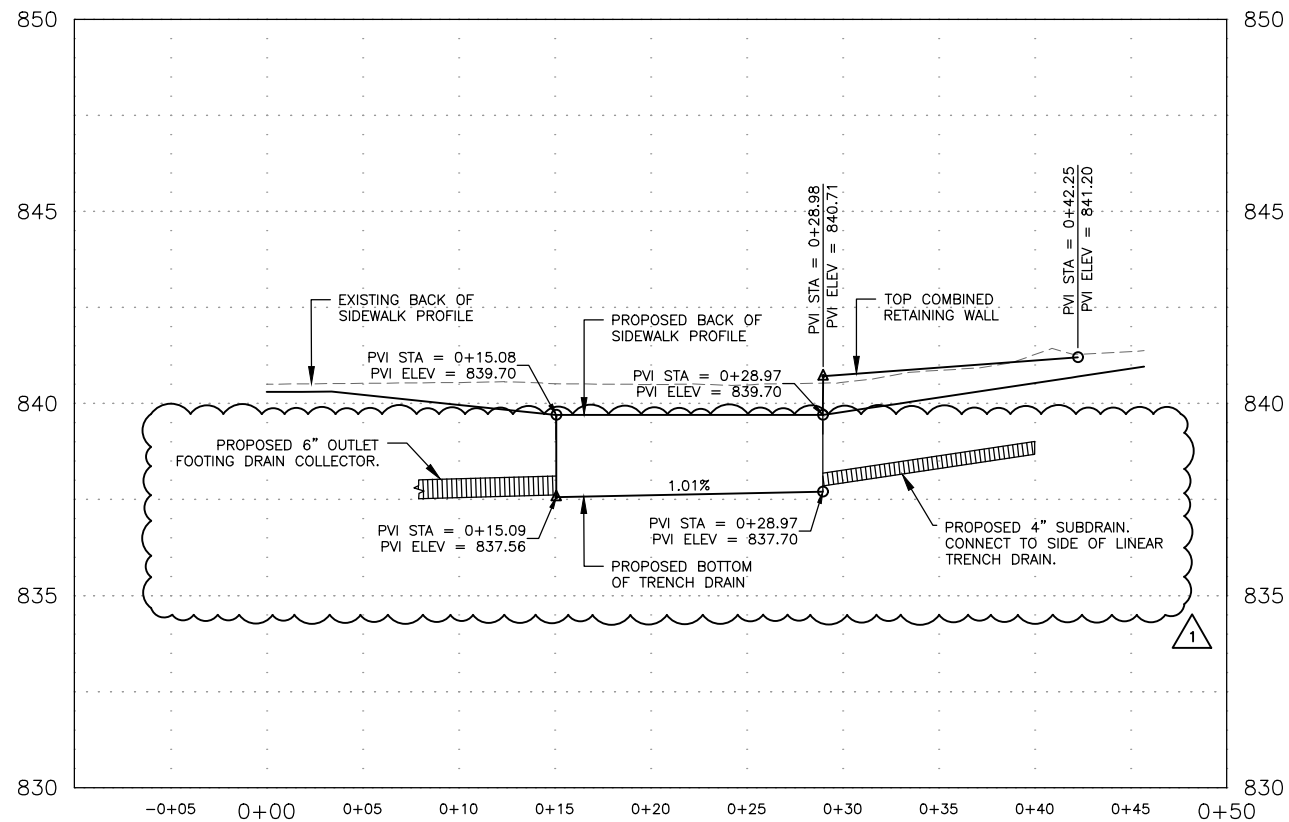
STORM SEWER  
CHATHAM STREET STORM SEWER

SHEET NO.  
M.01



1 COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED

2 SEGMENTAL BLOCK RETAINING WALL PLAN

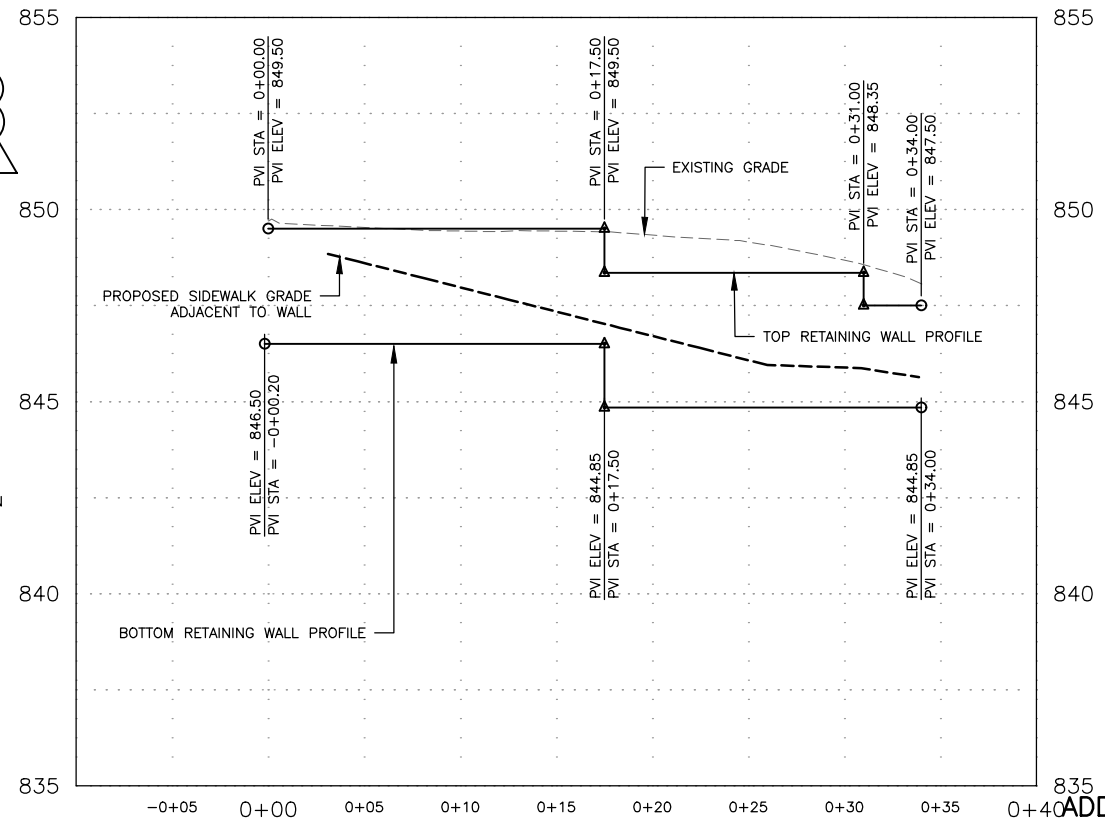


SEGMENTAL BLOCK RETAINING WALL NOTES:

- REFER TO SUDAS STANDARD SPECIFICATIONS SECTION 9071 - SEGMENTAL BLOCK RETAINING WALLS. DRY-CAST CONCRETE WALL UNITS. BLOCK SHALL TIE INTO THE EXISTING WALL ALONG THE ALLEY ON CHATHAM STREET AND SHALL AESTHETICALLY MATCH THIS WALL IN BLOCK SIZE AND COLOR.
- THE CONTRACTOR WILL PROVIDE DETAILED DESIGN CALCULATION, CONSTRUCTION DRAWINGS, AND SHOP DRAWINGS FOR ALL SEGMENTAL BLOCK RETAINING WALLS, PREPARED, SIGNED, AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF IOWA.
- ENSURE THE SEGMENTAL BLOCK RETAINING WALL DESIGN COMPLIES WITH THE NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) "DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS."

COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED

- REFER TO SUDAS STANDARD SPECIFICATIONS SECTION 9072 - COMBINED CONCRETE SIDEWALK AND RETAINING WALL.
- REFER TO SHEET B.02 FOR DETAIL.
- WEEP HOLES WILL NOT BE INSTALLED IN THIS WALL/CURB.



ADDENDUM #1

DRAWN BY: CPJ JOB DATE: 2024  
 APPROVED: MAC JOB NUMBER: 2402682  
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 CAD FILE: J:\2024\2402682\CAD\Dwgs\U\U.01.dwg

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	1/17/25	MAC	ADDENDUM #1



ELM, HIGH, AND CHATHAM RECONSTRUCTION  
 CITY OF WILLAMSBURG  
 WILLAMSBURG, IOWA

DESIGN DETAILS  
 RETAINING WALL PLAN AND PROFILE

SHEET NO.  
 U.01

**PROPOSAL  
ELM, HIGH AND CHATHAM STREET RECONSTRUCTION**

**CITY OF WILLIAMSBURG, IA**

**PROPOSAL ATTACHMENT: PART C – BID ITEMS, QUANTITIES AND PRICES**

This is a UNIT BID PRICE CONTRACT. The bidder must provide the Unit Bid Price, the Total Bid Price, and the Total Construction Cost; in case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Part C – Bid Items, Quantities and Prices are approximately only, but are considered sufficiently adequate for the purpose of comparing bids. The Jurisdiction shall only use the Total Construction Cost for comparison of bids.

<b>ITEM NO.</b>		<b>UNIT</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
1.	CLEARING AND GRUBBING	UNIT	610	\$	\$
2.	TOPSOIL, OFF-SITE, 8"	CY	1074	\$	\$
3.	EXCAVATION, CLASS 10	CY	2325	\$	\$
4.	SUBGRADE PREPARATION	SY	6247.7	\$	\$
5.	SUBBASE, MODIFIED, PER PLAN	SY	6247.7	\$	\$
6.	COMPACTION TESTING	LS	1	\$	\$
7.	EXPLORATORY EXCAVATION	HR	4	\$	\$
8.	TRENCH COMPACTION TESTING	LS	1	\$	\$
9.	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 INCH	LF	832.1	\$	\$
10.	SANITARY SEWER GRAVITY MAIN, TRENCHED, C900, 8 INCH	LF	35	\$	\$
11.	SANITARY SEWER SERVICE RELOCATION	EA	32	\$	\$
12.	REMOVAL OF SANITARY SEWER, 6 INCH	LF	12	\$	\$
13.	REMOVAL OF SANITARY SEWER, 8 INCH	LF	855	\$	\$
14.	STORM SEWER, TRENCHED, HDPE, 15 INCH	LF	139	\$	\$
15.	STORM SEWER, TRENCHED, PVC C900, 16 INCH	LF	195	\$	\$
16.	STORM SEWER, TRENCHED, PVC C900, 18 INCH	LF	333	\$	\$
17.	LINEAR TRENCH DRAIN, SW-521	LF	12	\$	\$
18.	REMOVAL OF STORM SEWER, LESS THAN 36 INCH DIA.	LF	476	\$	\$
19.	SUBDRAIN, CASE B, TYPE 1, 6 INCH	LF	2,102	\$	\$

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
20.	SUBDRAIN, TYPE 2, 4 INCH	LF	11	\$	\$
21.	FOOTING DRAIN COLLECTOR, HDPE, 6 INCH	LF	74	\$	\$
22.	SUBDRAIN CLEANOUT, TYPE A-2, 6 INCH	EA	9	\$	\$
23.	SUBDRAIN CLEANOUT, TYPE B, 18 INCH	EA	1	\$	\$
24.	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	9	\$	\$
25.	FOOTING DRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	4	\$	\$
26.	WATER MAIN, TRENCHED, PVC, 6 INCH	LF	195	\$	\$
27.	WATER MAIN, TRENCHLESS, PVC, 6 INCH	LF	1,161	\$	\$
28.	FITTING, BY WEIGHT, DUCTILE IRON	LB	1,076	\$	\$
29.	WATER SERVICE STUB, POLYETHYLENE, 1 INCH	EA	20	\$	\$
30.	WATER MAIN ABANDONMENT, CAP, 4 INCH	LF	560	\$	\$
31.	WATER MAIN ABANDONMENT, CAP, 6 INCH	LF	398	\$	\$
32.	VALVE, GATE, 6 INCH	EA	10	\$	\$
33.	AIR RELEASE VALVE, 6 INCH	EA	1	\$	\$
34.	TAPPING VALVE ASSEMBLY, 6 INCH	EA	1	\$	\$
35.	FIRE HYDRANT ASSEMBLY	EA	3	\$	\$
36.	ALTERNATE FIRE HYDRANT ASSEMBLY	EA	1	\$	\$
37.	FIRE HYDRANT ASSEMBLY REMOVAL	EA	3	\$	\$
38.	MANHOLE, SANITARY SEWER, SW-301, 48 INCH	EA	4	\$	\$
39.	MANHOLE, STORM SEWER, SW-401, 48 INCH	EA	1	\$	\$
40.	INTAKE, SW-541	EA	9	\$	\$
41.	INTAKE, SW-542	EA	4	\$	\$
42.	MANHOLE ADJUSTMENT, MINOR	EA	2	\$	\$
43.	CONNECTION TO EXISTING STRUCTURE	EA	2	\$	\$

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
44.	REMOVE MANHOLE	EA	7	\$	\$
45.	REMOVE INTAKE	EA	6	\$	\$
46.	PAVEMENT, PCC, 7 INCH, CLASS C	SY	5450.3	\$	\$
47.	PAVEMENT SAMPLES AND TESTING	LS	1	\$	\$
48.	REMOVAL OF SIDEWALK	SY	561	\$	\$
49.	REMOVAL OF DRIVEWAY	SY	1284	\$	\$
50.	REMOVAL OF TEMPORARY DRIVEWAY, GRANULAR	SY	440	\$	\$
51.	REMOVAL OF CURB	LF	10	\$	\$
52.	SIDEWALK, PCC, 4 INCH	SY	873.4	\$	\$
53.	SIDEWALK, PCC, 6 INCH	SY	86.4	\$	\$
54.	DETECTABLE WARNING	SF	120	\$	\$
55.	DRIVEWAY, PAVED, PCC, 6 INCH	SY	1089.5	\$	\$
56.	TEMPORARY DRIVEWAY, GRANULAR, 6 INCH	SY	440	\$	\$
57.	PERMEABLE INTERLOCKING PAVERS, 8 INCH x 4 INCH CLAY BRICKS	SY	20	\$	\$
58.	PAVEMENT REMOVAL	SY	5113	\$	\$
59.	TEMPORARY TRAFFIC CONTROL	LS	1	\$	\$
60.	TRAFFIC SIGNS, SHEET ALUMINUM, TYPE A	SF	17	\$	\$
61.	PERFORATED SQUARE STEEL TUBE POSTS	LF	11	\$	\$
62.	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EA	1	\$	\$
63.	REMOVE AND REINSTALL TRAFFIC SIGNS	EA	13	\$	\$
64.	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	AC	1.0	\$	\$
65.	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 4	AC	1.0	\$	\$
66.	SWPPP MANAGEMENT	LS	1	\$	\$
67.	TEMPORARY RECP, TYPE 2C	SY	920	\$	\$
68.	WATTLE, 12 INCH	LF	1008	\$	\$

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
69.	WATTLE, REMOVAL	LF	1008	\$	\$
70.	INLET PROTECTION DEVICE, SURFACE-APPLIED	EA	17	\$	\$
71.	INLET PROTECTION DEVICE, MAINTENANCE	EA	17	\$	\$
72.	SEGMENTAL BLOCK RETAINING WALL	SF	108	\$	\$
73.	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED	CY	4.2	\$	\$
74.	REMOVALS, PER PLAN	LS	1	\$	\$
75.	CONSTRUCTION SURVEY	LS	1	\$	\$
76.	MOBILIZATION	LS	1	\$	\$
77.	MAINTENANCE OF POSTAL SERVICE	LS	1		
78.	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1		
79.	CONCRETE WASHOUT	LS	1	\$	\$
<b>TOTAL ITEM 1 - 79</b>					<b>\$</b>

NOTE: IT IS UNDERSTOOD THAT THE ABOVE QUANTITIES ARE ESTIMATED FOR THE PURPOSE OF THIS BID. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE CITY. QUANTITY CHANGES WHICH AMOUNT TO TWENTY (20) PERCENT OR LESS OF THE TOTAL BID SHALL NOT AFFECT THE UNIT PRICE BID.

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Bidder

**CONTRACT ATTACHMENT: ITEM 2: BID ITEMS, QUANTITIES**

THIS CONTRACT IS AWARDED AND EXECUTED FOR COMPLETION OF THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS FOR THE BID PRICES TABULATED BELOW AS PROPOSED BY THE CONTRACTOR IN ITS PROPOSAL SUBMITTED IN ACCORDANCE WITH NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING. ALL QUANTITIES ARE SUBJECT TO REVISION BY THE JURISDICTION. BASED ON BIDS RECEIVED, THE CITY RESERVES THE RIGHT TO ADJUST QUANTITIES AS NECESSARY TO MAXIMIZE FUNDS BUDGETED FOR THIS PROJECT.

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
1.	CLEARING AND GRUBBING	UNIT	610	\$	\$
2.	TOPSOIL, OFF-SITE, 8"	CY	1074	\$	\$
3.	EXCAVATION, CLASS 10	CY	2325	\$	\$
4.	SUBGRADE PREPARATION	SY	6247.7	\$	\$
5.	SUBBASE, MODIFIED, PER PLAN	SY	6247.7	\$	\$
6.	COMPACTION TESTING	LS	1	\$	\$
7.	EXPLORATORY EXCAVATION	HR	4	\$	\$
8.	TRENCH COMPACTION TESTING	LS	1	\$	\$
9.	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 INCH	LF	832.1	\$	\$
10.	SANITARY SEWER GRAVITY MAIN, TRENCHED, C900, 8 INCH	LF	35	\$	\$
11.	SANITARY SEWER SERVICE RELOCATION	EA	32	\$	\$
12.	REMOVAL OF SANITARY SEWER, 6 INCH	LF	12	\$	\$
13.	REMOVAL OF SANITARY SEWER, 8 INCH	LF	855	\$	\$
14.	STORM SEWER, TRENCHED, HDPE, 15 INCH	LF	139	\$	\$
15.	STORM SEWER, TRENCHED, PVC C900, 16 INCH	LF	195	\$	\$
16.	STORM SEWER, TRENCHED, PVC C900, 18 INCH	LF	333	\$	\$
17.	LINEAR TRENCH DRAIN, SW-521	LF	12	\$	\$
18.	REMOVAL OF STORM SEWER, LESS THAN 36 INCH DIA.	LF	476	\$	\$
19.	SUBDRAIN, CASE B, TYPE 1, 6 INCH	LF	2,102	\$	\$
20.	SUBDRAIN, TYPE 2, 4 INCH	LF	11	\$	\$
21.	FOOTING DRAIN COLLECTOR, HDPE, 6 INCH	LF	74	\$	\$

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
22.	SUBDRAIN CLEANOUT, TYPE A-2, 6 INCH	EA	9	\$	\$
23.	SUBDRAIN CLEANOUT, TYPE B, 18 INCH	EA	1	\$	\$
24.	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	9	\$	\$
25.	FOOTING DRAIN OUTLETS AND CONNECTIONS, CMP, 6 INCH	EA	4	\$	\$
26.	WATER MAIN, TRENCHED, PVC, 6 INCH	LF	195	\$	\$
27.	WATER MAIN, TRENCHLESS, PVC, 6 INCH	LF	1,161	\$	\$
28.	FITTING, BY WEIGHT, DUCTILE IRON	LB	1,076	\$	\$
29.	WATER SERVICE STUB, POLYETHYLENE, 1 INCH	EA	20	\$	\$
30.	WATER MAIN ABANDONMENT, CAP, 4 INCH	LF	560	\$	\$
31.	WATER MAIN ABANDONMENT, CAP, 6 INCH	LF	398	\$	\$
32.	VALVE, GATE, 6 INCH	EA	10	\$	\$
33.	AIR RELEASE VALVE, 6 INCH	EA	1	\$	\$
34.	TAPPING VALVE ASSEMBLY, 6 INCH	EA	1	\$	\$
35.	FIRE HYDRANT ASSEMBLY	EA	3	\$	\$
36.	ALTERNATE FIRE HYDRANT ASSEMBLY	EA	1	\$	\$
37.	FIRE HYDRANT ASSEMBLY REMOVAL	EA	3	\$	\$
38.	MANHOLE, SANITARY SEWER, SW-301, 48 INCH	EA	4	\$	\$
39.	MANHOLE, STORM SEWER, SW-401, 48 INCH	EA	1	\$	\$
40.	INTAKE, SW-541	EA	9	\$	\$
41.	INTAKE, SW-542	EA	4	\$	\$
42.	MANHOLE ADJUSTMENT, MINOR	EA	2	\$	\$
43.	CONNECTION TO EXISTING STRUCTURE	EA	2	\$	\$
44.	REMOVE MANHOLE	EA	7	\$	\$
45.	REMOVE INTAKE	EA	6	\$	\$
46.	PAVEMENT, PCC, 7 INCH, CLASS C	SY	5450.3	\$	\$



ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
47.	PAVEMENT SAMPLES AND TESTING	LS	1	\$	\$
48.	REMOVAL OF SIDEWALK	SY	561	\$	\$
49.	REMOVAL OF DRIVEWAY	SY	1284	\$	\$
50.	REMOVAL OF TEMPORARY DRIVEWAY, GRANULAR	SY	440	\$	\$
51.	REMOVAL OF CURB	LF	10	\$	\$
52.	SIDEWALK, PCC, 4 INCH	SY	873.4	\$	\$
53.	SIDEWALK, PCC, 6 INCH	SY	86.4	\$	\$
54.	DETECTABLE WARNING	SF	120	\$	\$
55.	DRIVEWAY, PAVED, PCC, 6 INCH	SY	1089.5	\$	\$
56.	TEMPORARY DRIVEWAY, GRANULAR, 6 INCH	SY	440	\$	\$
57.	PERMEABLE INTERLOCKING PAVERS, 8 INCH x 4 INCH CLAY BRICKS	SY	20	\$	\$
58.	PAVEMENT REMOVAL	SY	5113	\$	\$
59.	TEMPORARY TRAFFIC CONTROL	LS	1	\$	\$
60.	TRAFFIC SIGNS, SHEET ALUMINUM, TYPE A	SF	17	\$	\$
61.	PERFORATED SQUARE STEEL TUBE POSTS	LF	11	\$	\$
62.	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EA	1	\$	\$
63.	REMOVE AND REINSTALL TRAFFIC SIGNS	EA	13	\$	\$
64.	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	AC	1.0	\$	\$
65.	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 4	AC	1.0	\$	\$
66.	SWPPP MANAGEMENT	LS	1	\$	\$
67.	TEMPORARY RECP, TYPE 2C	SY	920	\$	\$
68.	WATTLE, 12 INCH	LF	1008	\$	\$
69.	WATTLE, REMOVAL	LF	1008	\$	\$
70.	INLET PROTECTION DEVICE, SURFACE-APPLIED	EA	17	\$	\$

ITEM NO.		UNIT	QUANTITY	UNIT PRICE	TOTAL
71.	INLET PROTECTION DEVICE, MAINTENANCE	EA	17	\$	\$
72.	SEGMENTAL BLOCK RETAINING WALL	SF	108	\$	\$
73.	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED	CY	4.2	\$	\$
74.	REMOVALS, PER PLAN	LS	1	\$	\$
75.	CONSTRUCTION SURVEY	LS	1	\$	\$
76.	MOBILIZATION	LS	1	\$	\$
77.	MAINTENANCE OF POSTAL SERVICE	LS	1		
78.	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1		
79.	CONCRETE WASHOUT	LS	1	\$	\$
<b>TOTAL ITEM 1 - 79</b>					<b>\$</b>