REIMBURSEMENT AGREEMENT BETWEEN THE CITY OF COUNCIL BLUFFS

AND

THE COUNCIL BLUFFS WATERWORKS

FOR CITY PROJECT NUMBER PW23-13 (DOT PROJECT NUMBER BROS-1642(687) - - 8J-78)

BENTON STREET BRIDGE OVER INDIAN CREEK

The above referenced project is being led by the City of Council Bluffs (hereinafter "City"), through the Iowa Department of Transportation (hereinafter "IDOT").

A portion of the project costs will be reimbursed to the City pursuant to an agreement with IDOT.

A Division of the work identified as Water Main Improvements is for work that would customarily be the responsibility of the Council Bluffs Waterworks (hereinafter "Waterworks").

The City does hereby agree to have such work performed in a manner consistent with the Waterworks plans and specifications as part of Project PW23-13 Benton Street Bridge over Indian Creek.

Waterworks does hereby agree to reimburse the City for all cost associated with the performance of the work for this division (Exhibit A).

Once the work has been completed and paid for by the City, City will notify Waterworks of the completion of the work, and the total cost associated with the performance of the work identified in this Division. This amount shall be supported by the contract documents and bid prices.

Within 30 days after getting the above referenced notice, Waterworks shall deliver payment in the full amount to City. Payments will be made monthly based on work completed by the Contractor.

In witness of this agreement and as authorized representative of our respective entities, we have affixed our signatures below.

| Council Bluffs Waterworks | City of Council Bluffs |
|---|---|
| By: _____ | By: _____<br>Matthew J. Walsh, Mayor |
| Date: _____ | Date:_____ |

EXHIBIT A

PLANS OF PROPOSED IMPROVEMENTS ON THE

# URBAN ROAD SYSTEM
# CITY OF COUNCIL BLUFFS

## PROJECT NO. BROS—1642(687)—8J-78
## ROB CULVERT REPLACEMENT – SINGLE BOX
## ON BENTON STREET OVER INDIAN CREEK

S25 T75N R44W

| | TOTAL SHEETS |
|---|---|
| | 43 |
| PROJECT NUMBER | |
| BROS—1642(687)—8J-78 | |
| FHWA STRUCTURE NUMBER | |
| 002700 | |

CONSTRUCT THIS PROJECT ACCORDING TO THE REQUIREMENTS OF U.S. ARMY CORPS OF ENGINEERS NATIONWIDE, PERMIT NO. 14, 2020-1589. A COPY OF THIS PERMIT IS AVAILABLE FROM THE IOWA DOT WEBSITE (http://envpermits.iowadot.gov). THE U.S. ARMY CORPS OF ENGINEERS RESERVES THE RIGHT TO VISIT THE SITE WITHOUT PRIOR NOTICE.

REFER TO THE PROPOSAL FOR LIST OF APPLICABLE SPECIFICATIONS.

THIS PROJECT IS COVERED BY IOWA DNR FLOODPLAIN CONSTRUCTION PERMIT NO. 2023-1415.

THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS PART OF THESE CONTRACT DOCUMENTS. REFER TO SECTION 2602 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

APPROVAL

MAT1/COX, P.E., CITY ENGINEER (CITY OF COUNCIL BLUFFS) — DATE 9/18/2023

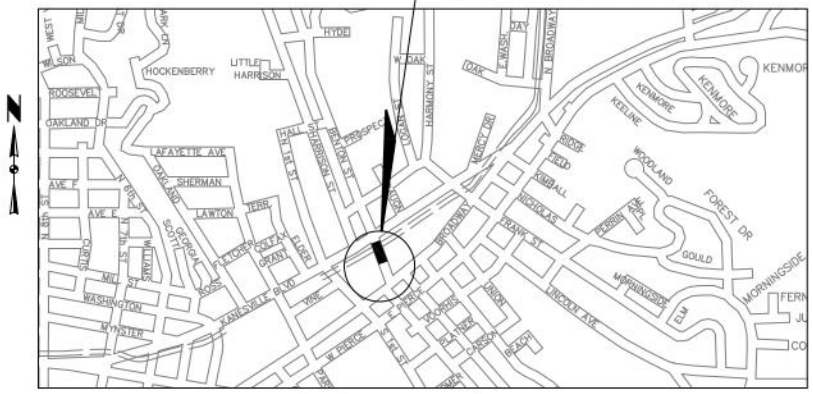
REVISIONS

## INDEX OF SHEETS

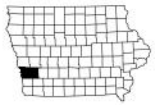
| NO. | DESCRIPTION |
|---|---|
| A.01 | TITLE SHEET |
| A.02 | LEGEND |
| B.01 | TYPICAL ROADWAY SECTIONS |
| C.01 | GENERAL NOTES |
| C.02-C.03 | QUANTITIES AND ERI NOTES |
| C.04-C.07 | TABULATIONS |
| D.01 | PLAN AND PROFILE |
| F.01-F.02 | REMOVAL PLAN |
| G.01 | SURVEY CONTROL PLAN |
| H.01 | RIGHT-OF-WAY PLAN |
| J.01 | TRAFFIC CONTROL PLAN |
| L.01 | GEOMETRY AND JOINTING PLAN |
| RT.01 | RETAINING WALL PLAN |
| U.01 | GRADING PLAN |
| V.01-V.16 | CULVERT DESIGN |
| X.01 | CROSS SECTIONS |
| MWM.01-.07 | WATER MAIN DESIGN |

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1-800-292-8989
www.iowaonecall.com | 811

PROJECT LOCATION
FHWA NO. 002700
STA. 104-93.9 TO STA. 124-36.4




LOCATION MAP
( NOT TO SCALE )



ALL WORKING DRAWINGS THAT REQUIRE REVIEW BY THE CONTRACTING AUTHORITY SHALL BE SUBMITTED THROUGH THE PRIME CONTRACTOR AND SHALL BE REVIEWED BY HGM ASSOCIATES, INC.

THE PRIME CONTRACTOR SHALL CONTACT THE INDIVIDUAL LISTED BELOW TO OBTAIN THE WORKING DRAWING SUBMITTAL PROCEDURE:

ADDRESS: JONATHAN E. PETERSON
HGM ASSOCIATES INC.
5022 SOUTH 114TH ST., SUITE 200
OMAHA, NEBRASKA 68137-2330
email: jpeterson0hgmonline.com

## DESIGN DATA URBAN

| | | |
|---|---|---|
| 2010 AADT | 50 | V.P.D. |
| 2040 AADT | 60 | V.P.D. |
| 2040 DHV | 12 | V.P.H. |
| TRUCKS | 4 | % |
| Total Design ESALs | | |

## TRAFFIC CONTROL PLAN

NOTE: REFER TO SHEETS J.01 FOR TRAFFIC CONTROL PLAN.

## STANDARD ROAD PLANS

STANDARD ROAD PLANS ARE LISTED ON SHEET C.04

## INDEX OF SEALS

| SHEET NO. | NAME | TYPE |
|---|---|---|
| A.01 | JONATHAN E. PETERSON | HYDRAUUC DESIGN |
| A.01 | JONATHAN E. PETERSON | STRUCTURAL DESIGN |
| A.01 | JOHN E. JORGENSEN | CIVIL DESIGN |
| A.01 | WILLIAM J. GLISMANN | WATER MAIN DESIGN |

## WATER MAIN DESIGN

WILLIAM J. GLISMANN 17868 PROFESSIONAL ENGINEER IOWA

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.

Signature — Date 9-19-2023

WILLIAM J. GLISMANN
Printed or Typed Name

My license renewal date is December 31, 2023

Pages or sheets covered by this seal: SHEETS MWM.01—MWM.07

## CIVIL DESIGN

John E. Jorgensen 12855 PROFESSIONAL ENGINEER IOWA

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.

Signature — Date 9-19-2023

JOHN E. JORGENSEN
Printed or Typed Name

My license renewal date is December 31, 2024

Pages or sheets covered by this seal: SHEETS A.02, B.01, C.01-C.07, D.01, F.01-.02, G.01, H.01, J.01 L.01, RT.01, U.01, X.01

## STRUCTURAL AND HYDRAULIC DESIGN

Jonathan E. Peterson 19518 PROFESSIONAL ENGINEER IOWA

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.

Signature — Date 9-19-2023

JONATHAN E. PETERSON
Printed or Typed Name

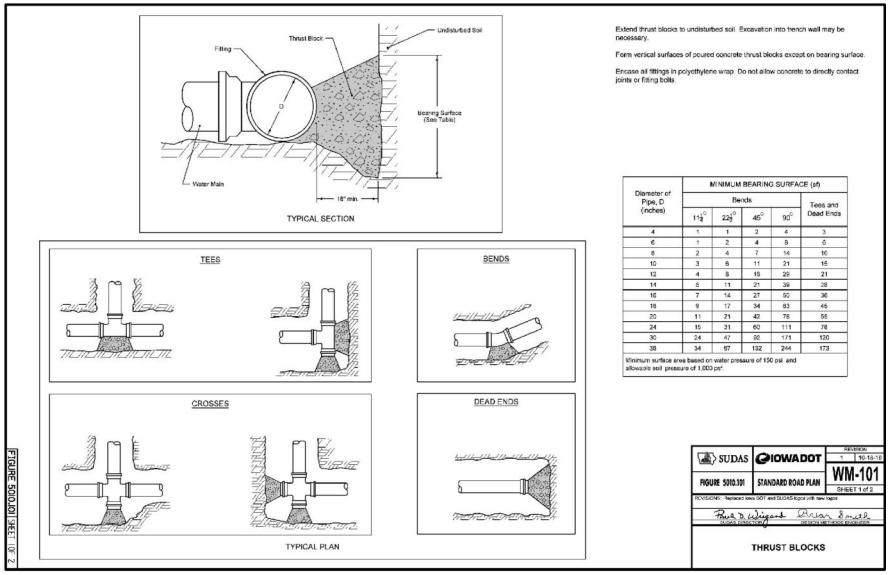
My license renewal date is December 31, 2024

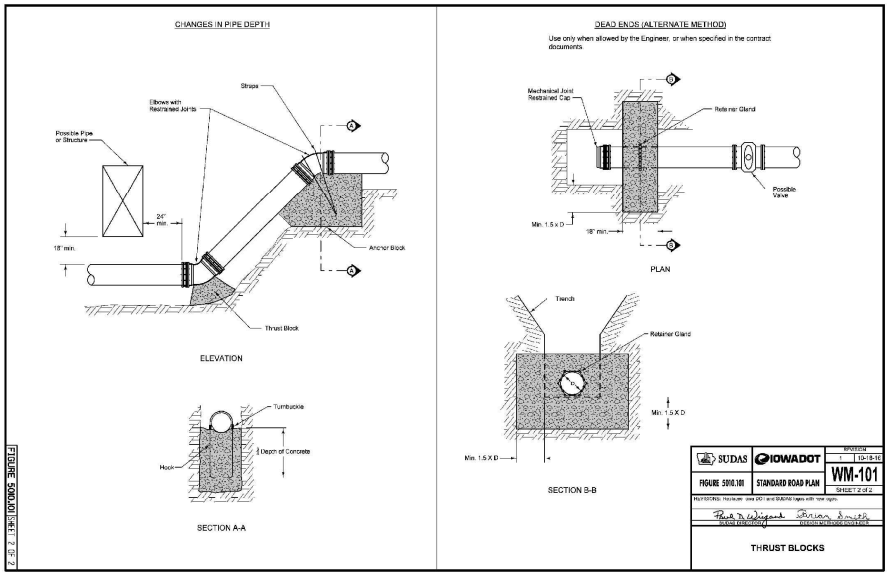
Pages or sheets covered by this seal: SHEETS A.01, V.01-V.16

LETTING DATE DEC. 19, 2023

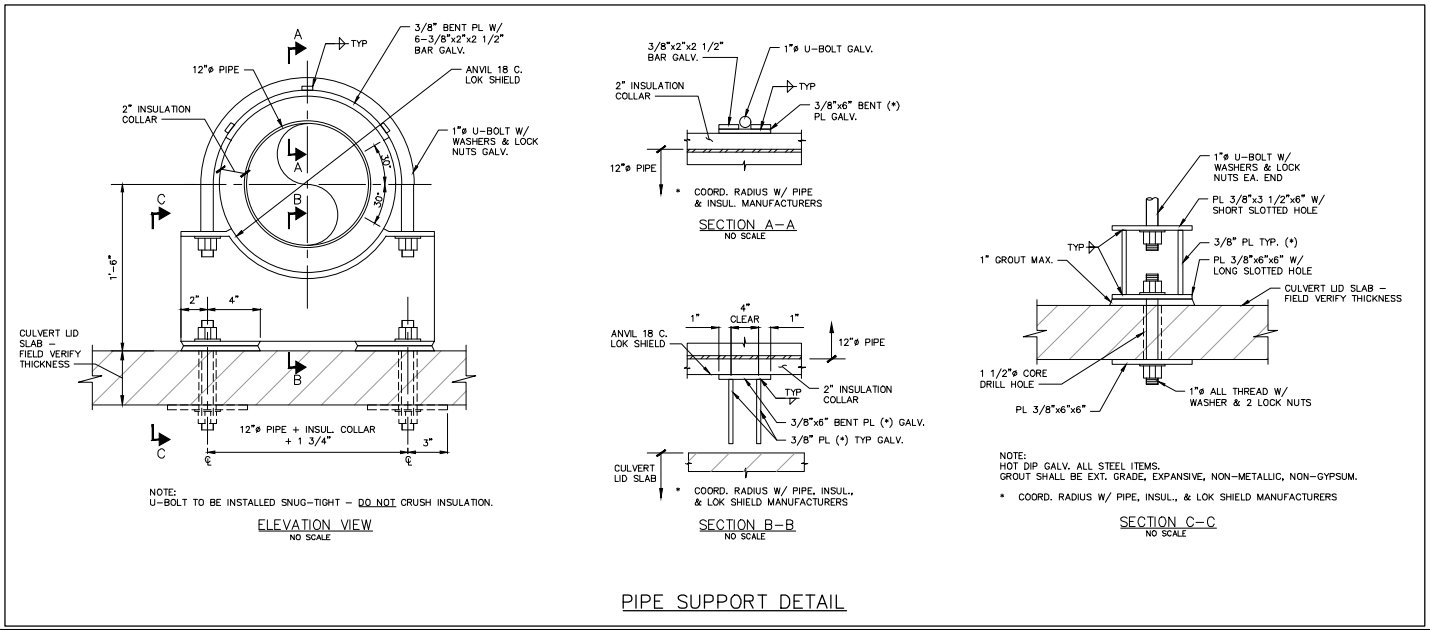
CITY OF COUNCIL BLUFFS
ROB CULVERT REPLACEMENT – SINGLE BOX
PROJ NO. BROS-184x(007)--8J-78

| DESIGN TEAM – HGM * CADD * PRODUCED | STATE OF IOWA | | | CITY OF COUNCIL BLUFFS | PROJECT NUMBER BROS-1642(687)—8J-78 | SHEET NUMBER A.01 |
|---|---|---|---|---|---|---|



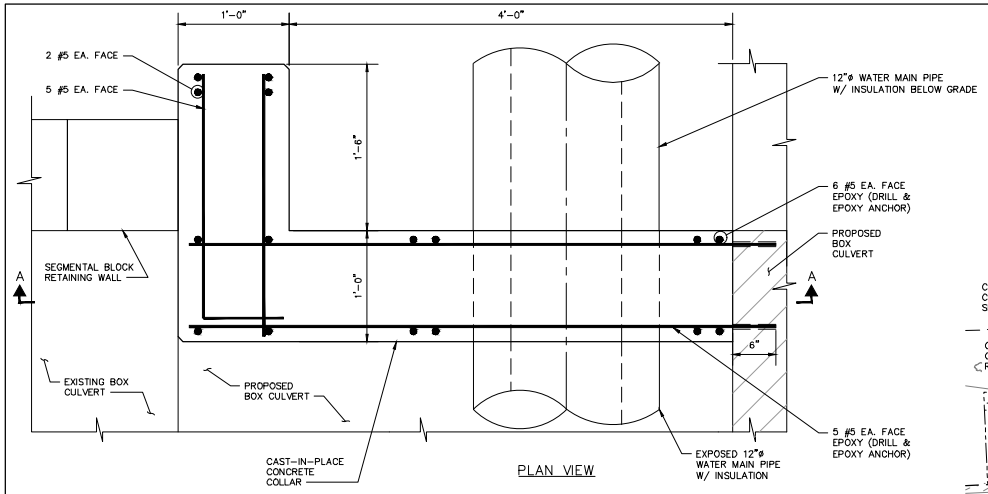

# EXHIBIT A



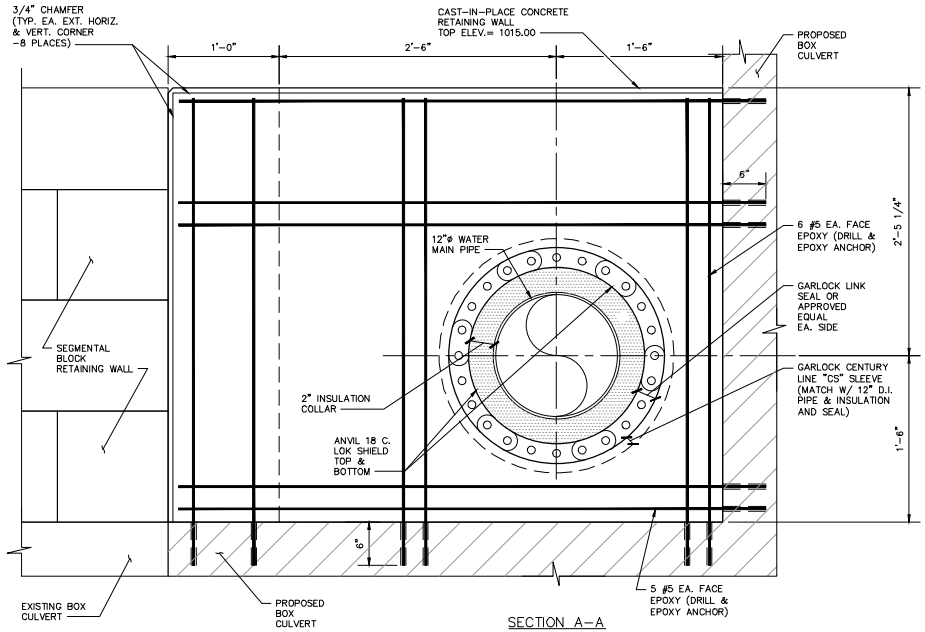

PIPE SUPPORT DETAIL

| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGN TEAM - HGM * CADD * PRODUCED | STATE OF IOWA | | | CITY OF COUNCIL BLUFFS | PROJECT NUMBER BROS-1642(687)--8J-78 | SHEET NUMBER MWM.02 |

# EXHIBIT A




PLAN VIEW

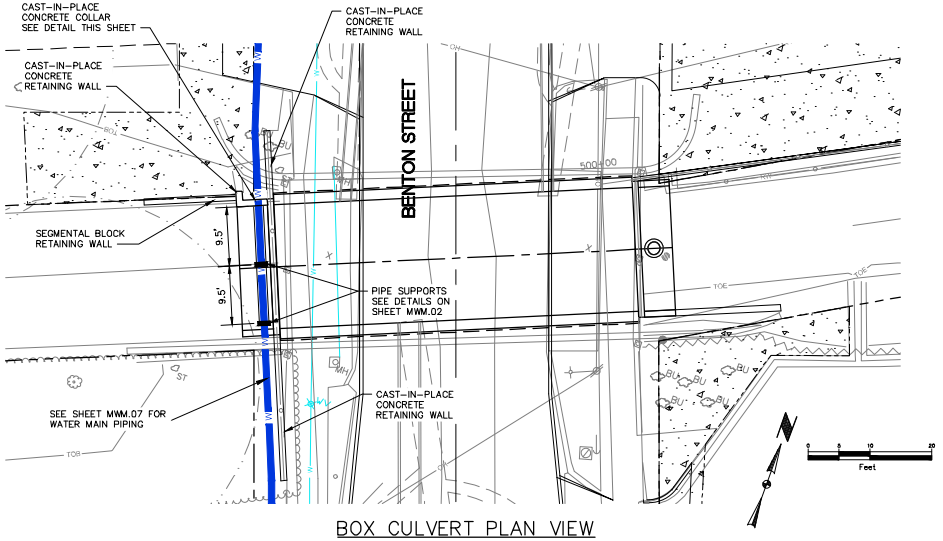



SECTION A-A

NOTES:
1. ALL CONCRETE TO BE 4,000 PSI, 6 1/2% AIR ENTRAINED.
2. ALL REINF. STEEL TO BE ASTM A615, GR. 60.

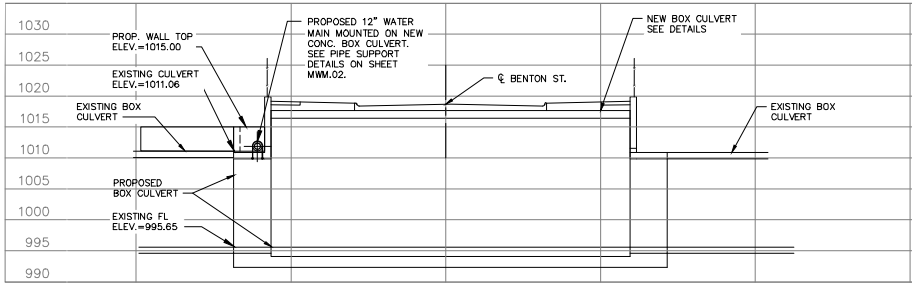
CAST-IN-PLACE CONCRETE RETAINING WALL & COLLAR DETAIL

NO SCALE




BOX CULVERT PLAN VIEW

SCALE: 1" = 10'-0"




BOX CULVERT SECTION VIEW

SCALE: 1" = 10'-0"

| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGN TEAM – HGM * CADD * PRODUCED | STATE OF IOWA | | | CITY OF COUNCIL BLUFFS | PROJECT NUMBER BROS-1642(687)--8J-78 | SHEET NUMBER MWM.03 |

# EXHIBIT A

## GENERAL NOTES

1. All water main construction shall be in accordance with the approved standard specifications currently on file with the Iowa Department of Natural Resources, which were approved on 3/16/13." Refer to the water main special provisions for the approved standard specifications. – Refer to general note no. 33 for testing revisions. All proposed water main shall maintain 5.0' minimum cover, unless otherwise noted within the plans.

2. The contractor shall field verify the depth and location of existing underground utilities prior to constructing the water main improvements.

   Field verification for all utilities including water mains is required and shall be incidental to the project and shall not result in additional costs to the owners.

   Contractor shall not disturb the existing underground utilities, unless otherwise noted. While constructing the water main. Deflect the new water main or use fittings (as noted on the plans) to change the water main alignment, as necessary. The water main is to go over or under the existing utilities with a minimum 0.5' clearance, 1.5' clearance required for all sewers. Maintain the minimum 5.0' cover, unless otherwise noted.

   If a direct conflict exists after field verification, the engineer reserves the right to revise the water main alignment to eliminate the conflict with the existing utilities without adjustments to the existing contract unit prices or completion date.

3. The contractor shall obtain permission from the city for the use of storm sewer as necessary to transport the flushing water. The flushing shall be done in a manner such that the sewer is not surcharged.

   If city sewers are not available for use to transport the flushing water, the contractor shall flush the water main in a manner such that no soil erosion, surcharging of drainage structures, over topping of existing roadway ditches, or ponding of flushing water occurs.

4. All abandoned pipe encountered, either known or unknown, shall be removed or plugged in accordance with the plans and specifications or as directed by the engineer, and shall be considered incidental to the project and shall not result in additional costs to the water works or any time extensions by the water works.

5. Any damaged polyethylene encasement around pipe or fittings noticed prior to placement in the water main trench and/or any damage due to installation of water services shall be repaired by the contractor, as directed by the water works. This work shall be considered incidental to the project and shall not result in additional costs to the owners. When handling polyethylene encased pipe, the contractor shall use a fabric type sling or a suitably padded cable or chain to prevent damage to the polyethylene encasement.

6. Any delays in obtaining necessary materials not shown on the plans, and delays during revisions of the water main alignment and/or any delays caused by obstructions encountered during construction shall not result in any additional costs to the owners or any time extensions by the water works.

7. The contractor shall not backfill fittings or other water main appurtenances until the water works observer/field representative has seen the completed work and recorded the locations. The water works may require the contractor to expose the work, at the contractor's expense, if backfilling proceeds prior to the work being observed and recorded.

8. The water works observer/field representative does not have the authority to change the plans or authorize additional work during construction. If the contractor wants to request changes to the water main plans or wants authorization for additional work, the contractor or the water works observer/field representative shall notify Brian Cady (water works) or the water works consultant engineer.

   Changes to the water main plans or additional work that is performed prior to proper authorization, including an approved additional cost, shall not be accepted, and shall not result in any additional costs to the owners.

9. No water main improvements shall be built without construction staking approved by the water works.

   The water works typically requires all station/offsets calls for the water main construction, as shown on the plans, be staked with a 10' offset and all proposed storm and sanitary sewer crossings be staked with a cut/fill marked for finish grade and sewer invert.

   The water works typically requires the water main alignment be staked at 50' intervals, low points, and high points with a cut/fill marked for finish grade using a 10' offset. Additional staking shall be provided upon request of the council bluffs water works.

   The contractor shall not remove or disturb any staking of the water main until authorized by the water works observer/field representative or the engineer.

10. Contractor shall have proposed underground storm and sanitary sewers staked at new water main crossings and at proposed storm inlets with potential conflicts prior to installing the new water main.

    If a direct conflict is created by the contractor, the engineer may require the water main alignment be revised to eliminate the conflict at no additional cost to the owners or time extensions by the water works.

## GENERAL NOTES

11. The contractor shall be responsible for notifying the water works observer/field representative 24 hours in advance (in addition to the below notification requirements) of wanting water shut-off notices delivered to affected residents and/or businesses. The distribution of water shut-off notices to residents and/or businesses shall only be performed by the water works observer/field representative.

    A minimum of 24 hours advance notice is required for water shut-off of residential users and 48-hours advance notice is required for water shut-off of commercial or business users. The hours of advance notification to residents and/or businesses shall not include saturdays, sundays, and holidays. Water mains shall not be shut off until after the minimum notice times have been met. Any additional costs or delays to the contractor resulting from failure by the contractor to comply with stated notification requirements shall be contractor's responsibility and shall not result in any additional costs to the owners or time extensions by the water works.

    The water works reserves the right to have the contractor reschedule the work for emergencies, water supply concerns, main breaks and other causes as deemed necessary by the water works, without notice, additional compensation or additional working days. Refer to the water main special provision for additional information.

    Contractor shall have the necessary excavation completed and the pipe assemblies constructed before the water main(s) are shut down for 'cut and connect' or 'cut and plug' operations to reduce water shut-off time.

12. The contractor shall not commence any water main work on the project until after Doug Adkins (water works (712) 328-1006- ext. 1024) has been notified, a minimum of 48 hours in advance, of the date when the contractor intends to commence any water main improvements.

13. The water works will provide all tie rod materials when noted on the plans or as requested at other locations by the water works. The contractor shall cut and install the material as directed by the water works. The installation of this material shall be considered incidental to the project and shall not result in additional costs to the owners or time extensions by the water works.

14. Water main disinfection and testing (performed by the contractor) shall not be performed without the water works observer/field representative present.

15. Contractor shall use extreme caution when exposing or connecting to existing water mains or water services to prevent movement or damage to the existing fittings and/or pipes which are noted on the plans to remain in service. This work shall not be performed without the water works observer/field representative present.

16. Contractor shall adequately support and protect the existing or new water mains noted on the plans to remain in service when excavation is required underneath or along side the existing or new water mains. The contractor shall submit their proposed method of supporting the existing or new water mains to the water works for review and approval prior to performing any storm or sanitary sewer reconstruction. This work shall be considered incidental to the project and shall not result in additional costs to the owners.

17. Contractor shall compact suitable backfill under the existing or new water mains noted on the plans to remain in service when excavation is required under the water mains for storm, sanitary sewer mains, and sanitary sewer laterals. The backfill material may be soil, sand or gravel and compacted to 95% of standard proctor density at 0 to +4 optimum moisture content. This work shall be considered incidental to the project and shall not result in additional costs to the owners.

18. All abandoned pipe encountered shall be removed or plugged in accordance with the plan and specifications.

    The contractor shall remove and dispose of off-site all encountered abandoned pipe as necessary for construction of the water main improvements. This work shall be considered incidental to the project and shall not result in additional costs to the owner.

19. Payment shall be withheld from the contractor until shop drawings for the materials incorporated into the water main improvements are accepted by the engineer.

20. Replacement of any portion of new or existing sanitary laterals shall be considered incidental to the water main work.

21. New and existing water services being crossed during storm or sanitary sewer work shall be protected at all times. If necessary, disconnect the water service from the corp or stop box, move it out of the way and reconnect the same day as it is removed. This work shall not be performed without the cbww observer/field representative first being informed and on site during the service disconnection and reconnection. Any damage or leaks resulting from the work shall be fixed or replaced by the contractor, as directed by the cbww, at the contractor's expense. Water service interruption shall be subject to the above service interruption notification requirements.

22. Removal of excess moisture from otherwise suitable trench backfill shall be considered incidental to the water main work. Determination of backfill suitability shall be made by the engineer. Removal of excess moisture shall not result in any additional costs to the owners or time extensions by the water works.

## GENERAL NOTES

23. Water main purification shall be performed by the contractor using either the continuous-feed method or the slug method. The contractor shall identify the selected purification method and anticipated start date to the cbww observer/field representative a minimum of 24 hours prior to the planned start date of the water main purification process. Refer to section 13.1.4 of the water main special provision for additional information regarding the approved purification methods.

24. The contractor shall provide and place steel fence posts with blue paint near all valve boxes and curb stop boxes during installation to mark their location for all those working in the area. Those materials shall remain in place upon completion of all paving and grading (except for boxes located in areas of future pavement that are unpaved at the time of water main installation). This work shall be considered incidental to the project and shall not result in additional costs to the owner.

25. The contractor shall maintain access to all valve boxes during construction. This work shall be considered incidental to the project and shall not result in additional costs to the owner.

26. A preconstruction meeting shall be held prior to commencement of any work on the project and shall be attended by the contractor, engineer, water works observer/field representative and others to discuss the project.

27. Any negative impact to existing cbww facilities whether foreseen or not shall be remedied by and at the expense of the contractor.

28. The contractor shall not use customer water for any reason during construction. If water is needed for construction, the contractor shall secure an approved means to obtain construction water. The cbww may have a hydrant meter available. If a hydrant meter is desired, the contractor shall contact Travis Anderson at (712) 328-1006, ext. 1033. The contractor shall pay all required fees and charges and shall meet all requirements to obtain the fire hydrant meter from the cbww.

29. Water main purification taps shall be removed by the contractor after the water main has passed all tests. The water works may assess a penalty to all purification taps that have not been removed within two working days after the water main has passed all tests.

30. All stockpiled pipe and appurtenances shall be plugged and/or have the ends of the pipe covered for stockpile payment.

31. After two failed purification bacteria tests (positive for pathogenic bacteria) the water works may require temporary hydrants in place of blowoffs.

32. Contractor shall submit a staging plan and/or flushing plan for cbww and cbww consultant engineer to review prior to any water main work commencing. Contractor shall allow 7 days for review. These plans shall be submitted as shop drawings.

33. Per AWWA C651: Minimum flushing rate shall be 3.0 ft/sec. Bacteriological sampling of new mains shall have two options for completions.

    Option A – samples are 16 hours apart.

    Option B – samples are 15 minutes apart after a 16 – hour rest period. Contractor shall establish sampling option with cbww prior to commencement of water main disinfections.

34. Hydrants shall be factory painted per the paint manufacturer's specifications. Paint shall be yellow primer, with a yellow finish coat required.

35. The contractor shall give 48 hours notice to the city of council bluffs traffic department prior to needing sign removal so that the removal of the permanent signs may be completed by the city. During the period that permanent signage is removed, temporary signage shall be placed in accordance with the city of council bluffs traffic department requirements. Once construction in an area is complete, the contractor shall give immediate notice to the city of council bluffs traffic department so that replacement of the permanent signs may be erected by the city before the street is opened. This shall be considered incidental to the project.

## ESTIMATED QUANTITIES

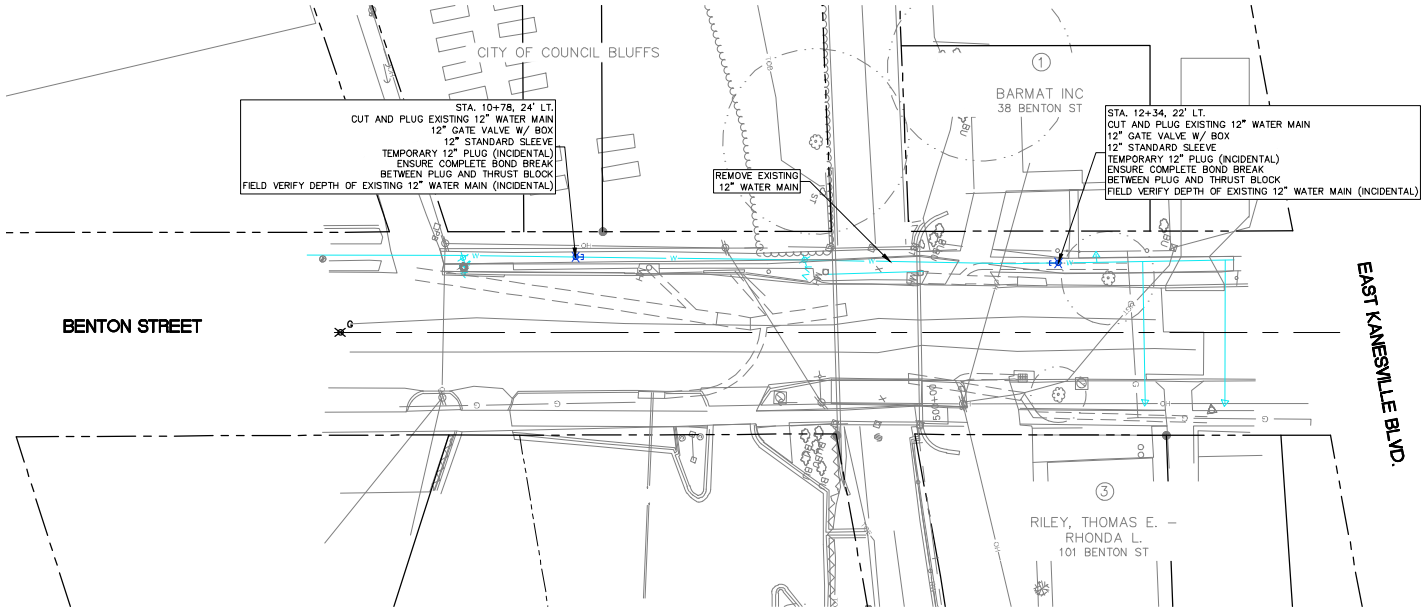
| ITEM # | ITEM CODE | DESCRIPTION | QUANTITY | UNIT |
|---|---|---|---|---|
| Division V: | Water Main Improvements | | | |
| 1. | 2599-999905 | 12 Inch DI Restrained Joint Water Main with Nitrile Gaskets and Polyethylene Encasement | 158.00 | LF |
| 2. | 2599-999905 | 45 Degree Bend, 12 Inch | 8.00 | EA |
| 3. | 2599-999905 | 11 1/4 Degree Bend, 12 Inch | 4.00 | EA |
| 4. | 2599-999905 | 12 Inch DI Gate Valve with Box | 2.00 | EA |
| 5. | 2599-999905 | 12 Inch Standard Sized Sleeve | 2.00 | EA |
| 6. | 2599-999905 | Connect to Existing 12 Inch Water Main | 2.00 | EA |
| 7. | 2599-999905 | Cut and Plug Existing 12 Inch Water Main | 2.00 | EA |
| 8. | 2599-999905 | Select Backfill | 50.00 | CY |
| 9. | 2599-999905 | Granular Bedding for Water Main, 1 1/2 Inch Clean | 5.00 | TN |
| 10. | 2599-999905 | 2 Inch Insulation with Aluminum Jacket for 12 Inch DI Water Main | 50.00 | LF |
| 11. | 2599-999905 | 2 Inch Insulation with Polyethylene Encasement for 12 Inch DI Water Main | 20.00 | LF |
| 12. | 2599-999905 | Pipe Support | 2.00 | EA |
| 13. | 2599-999905 | Cast-In-Place Concrete Retaining Wall and Collar | 1.00 | EA |

EXHIBIT A

## ESTIMATE REFERENCE INFORMATION

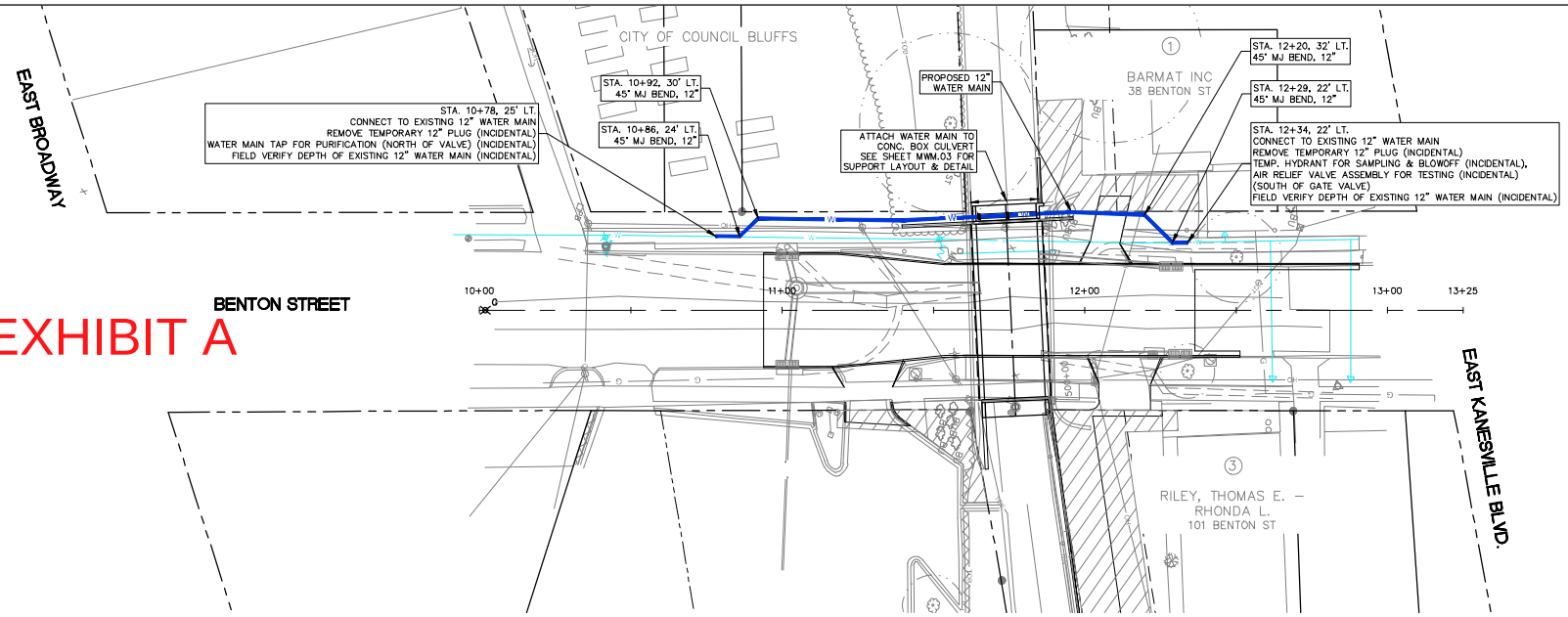
| ITEM NO. | ITEM CODE | DESCRIPTION |
|---|---|---|
| 1 THROUGH 13 | | REFER TO THE WATER MAIN SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. |
| 1 | | CONTRACT UNIT PRICE SHALL INCLUDE THE USE OF THICKNESS CLASS 52 AND NITRILE GASKETS FOR ALL PIPE AND FITTINGS. |
| 2 THROUGH 7 | | ALL DUCTILE IRON FITTINGS SHALL BE ENCASED IN POLYETHYLENE. THIS SHALL BE CONSIDERED INCIDENTAL. |
| 2 | | CONTRACT QUANTITY INCLUDES FOUR (4) ADDITIONAL BENDS THAT SHALL BE INSTALLED AS NECESSARY OR AS DIRECTED BY THE CBWW. THE CONTRACTOR SHALL GET AUTHORIZATION FROM THE CBWW PRIOR TO INSTALLATION OF BENDS NOT SHOWN IN THE PLANS. |
| 4 | | CONTRACT UNIT PRICE SHALL INCLUDE ALL COSTS FOR THE CONTRACTOR FURNISHING AND INSTALLING VALVES AND VALVE BOXES.<br><br>ALL GATE VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C-509 OR C-515 AND HAVE DUCTILE IRON BODY AND BONNET WITH STAINLESS STEEL BOLTS. REFER TO SECTION 3.1 OF THE WATER MAIN SPECIAL PROVISIONS.<br><br>CONTRACT UNIT PRICES SHALL INCLUDE ALL COSTS FOR THE CONTRACTOR ADJUSTING TOPS OF NEW VALVE BOXES TO FINISH GRADE IN PAVED AND UNPAVED AREAS.THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL VALVE BOXES DURING CONSTRUCTION. VALVE BOXES PLACED IN FUTURE PAVING SHALL HAVE A 1/2" THICK FLEXIBLE EXPANSION JOINT MATERIAL WRAPPED AROUND IT AND SHALL BE SEALED PER FIGURE 7010.101, DETAIL F"<br><br>CONTRACT UNIT PRICE SHALL ALSO INCLUDE ALL COSTS FOR THE CONTRACTOR TO SUPPLY AND INSTALL STEEL FENCE POSTS WITH BLUE PAINT NEAR ALL VALVE BOXES DURING INSTALLATION.<br><br>NO PAYMENT FOR INSTALLED GATE VALVES WILL BE MADE UNTIL THE INSTALLATION COMPLIES COMPLETELY WITH THE PLANS AND SPECIFICATIONS, INCLUDING THE INSTALLATION OF BLUE STEEL FENCE POSTS NEAR ALL VALVE BOXES.<br><br>EXTRA BURY VALVE BOXES SHALL BE CONSIDERED INCIDENTAL. |
| 8 AND 9 | | THESE CONTRACT ITEMS SHALL NOT BE USED WITHOUT AUTHORIZATION FROM THE WATER WORKS.<br><br>SEE SECTIONS 20 AND 21 OF THE WATER MAIN SPECIAL PROVISION INFORMATION REGARDING PAYMENT AND METHOD OF MEASUREMENT.<br><br>TRUCK LOAD COUNTS AND SCALE TICKETS OF INDIVIDUAL LOADS SHALL BE DELIVERED TO THE WATER WORKS OBSERVER/FIELD REPRESENTATIVE WITHIN 24 HOURS OF DELIVERY/PLACEMENT OF THE MATERIAL. LOAD COUNTS OR SCALE TICKETS OF INDIVIDUAL LOADS RECEIVED BY THE WATER WORKS OBSERVER/FIELD REPRESENTATIVE AFTER THE 24-HOUR PERIOD SHALL NOT BE INCLUDED FOR PAYMENT BY THE WATER WORKS. |
| 8 | | SELECT BACKFILL SHALL ONLY BE USED IF SUITABLE TRENCH BACKFILL MATERIAL IS NOT AVAILABLE ONSITE, AS DETERMINED BY THE ENGINEER. SATURATED BACKFILL MATERIAL THAT IS OTHERWISE SUITABLE FOR USE AS BACKFILL MATERIAL SHALL BE WORKED ONSITE TO LOWER THE WATER CONTENT SUFFICIENTLY TO ACHIEVE COMPACTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE WORK.<br><br>IF DETERMINED SUITABLE TO THE CBWW, WATER MAIN TRENCH BACKFILL MATERIAL REMOVED AND REPLACED BY SELECT BACKFILL SHALL BE DELIVERED TO THE CBWW NARROWS TREATMENT PLANT. THE CONTRACTOR SHALL DUMP EXCESS MATERIAL AS DIRECTED BY DOUG ADKINS, CBWW. IF REPLACED WATER MAIN TRENCH MATERIAL IS DETERMINED TO BE UNSUITABLE FOR FUTURE CBWW USE, THE CONTRACTOR SHALL DISPOSE OF EXCESS MATERIAL OFF-SITE.<br><br>ALL SOIL DELIVERED TO THE WATER WORKS SHALL BE ACCOMPANIED BY A SIGNED TICKET WITH AN APPROXIMATE UNIT AND GIVEN TO DOUG ADKINS. |
| 12 | | CONTRACTOR SHALL SUPPLY AND INSTALL PIPE SUPPORT AS DETAILED ON SHEET MWM.02. COST SHALL INCLUDE ALL LABOR, MATERIALS, AND FABRICATION NECESSARY FOR COMPLETE INSTALLATION. |
| 13 | | CONTRACTOR SHALL CONSTRUCT CONCRETE RETAINING WALL WITH PIPE SLEEVE AS DETAILED ON SHEET MWM.03. COST SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE CONSTRUCTION AND INSTALLATION INCLUDING WALL SLEEVE, PIPE SHIELD, AND SEALS. |

# EXHIBIT A



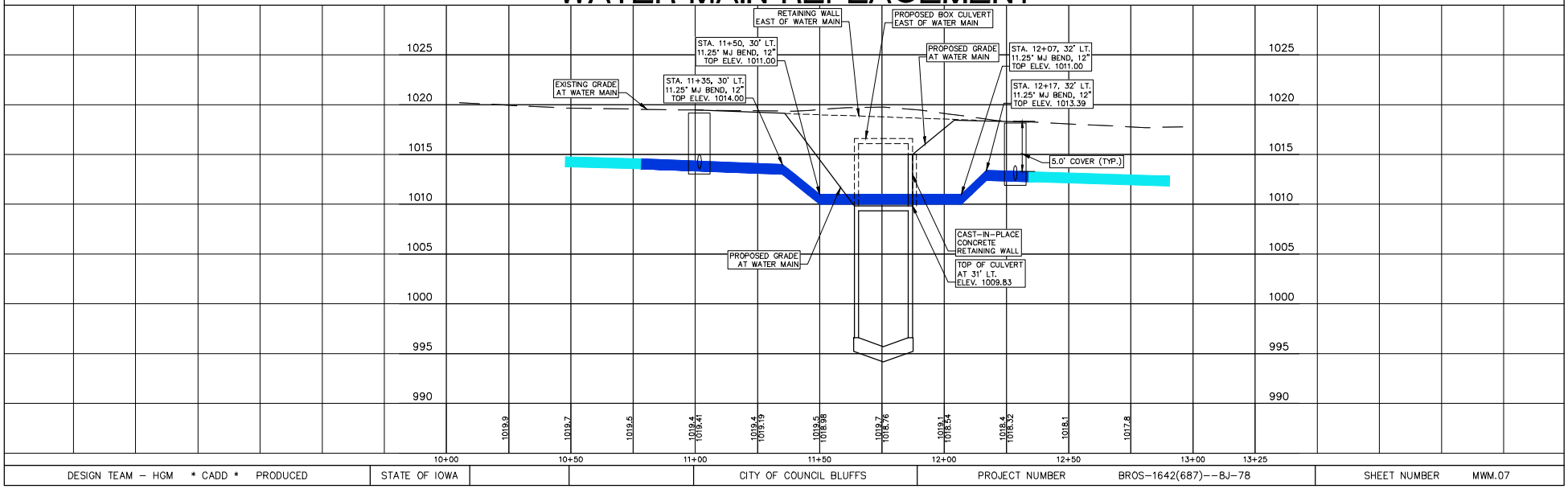

## WATER MAIN REMOVALS

| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGN TEAM – HGM * CADD * PRODUCED | STATE OF IOWA | | | CITY OF COUNCIL BLUFFS | PROJECT NUMBER BROS–1642(687)––8J–78 | SHEET NUMBER MWM.06 |




# EXHIBIT A

# WATER MAIN REPLACEMENT




| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGN TEAM – HGM * CADD * PRODUCED | STATE OF IOWA | | | CITY OF COUNCIL BLUFFS | PROJECT NUMBER BROS-1642(687)--8J-78 | SHEET NUMBER MWM.07 |