

## City Council Meeting Notice

**Governing Body:** City Council of Boone, Iowa

**Date of Meeting:** January 18, 2016

**Time of Meeting:** 7:00 P.M.

**Place of Meeting:** City Council Chambers  
(923 8th Street, Second Floor)

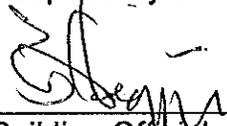
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1. ROLL CALL
2. APPROVAL OF AGENDA
3. PRESENTATION OF PETITIONS AND OTHER COMMUNICATIONS
  - A. Public Hearing to Consider the Sale of Property at 301 9<sup>th</sup> St, Boone, Ia.
  - B. Set a Public Hearing for February 15<sup>th</sup>, 2016 at 7:00 P.M. to consider the Proposed Plans, Specifications, Forms of Contract, and Estimate of Costs on Crawford St. Reconstruction Project 14<sup>th</sup> St. to 17<sup>th</sup> St.
4. REPORTS OF STANDING COMMITTEES
  - A. POLICY, ADMINISTRATION & EMPLOYEE RELATIONS COMMITTEE – Gillespie, Chm.
  - B. PUBLIC SAFETY AND TRANSPORTATION COMMITTEE - Ray, Chm.
  - C. UTILITY COMMITTEE – Nystrom, Chm.
  - D. ECONOMIC DEVELOPMENT COMMITTEE – Ray, Chm.
5. DEPARTMENT REPORTS
  - A. BUILDING OFFICIAL – Ed Higgins
    1. December 2015 Building Dept. Report
  - B. LIBRARY – Jamie Williams
    1. Director’s Report
  - C. CLERK/FINANCE OFFICER – Ondrea Elmquist
  - D. CITY ATTORNEY – Jim Robbins
  - E. DIRECTOR OF PARKS AND PUBLIC WORKS – John Rouse
  - F. CITY ENGINEER - Wayne Schwartz
    1. Approve Crawford St. Reconstruction Project 14<sup>th</sup> St. to 17<sup>th</sup> St. and authorize receiving bids. (Schwartz)
  - G. DIRECTOR OF PUBLIC SAFETY – Bill Skare
    1. Discuss/Approve Habitat House for 75%-25% Demo Program. (Skare)
    2. Police Department Report.
    3. Annual Report.
  - H. CITY ADMINISTRATOR – Luke Nelson
    1. IEDA Grant March – Kemx Global. (Nelson)
    2. Update of City Easter Egg Hunt (March 26<sup>th</sup>). (Nelson)

3. Appointment to Boone County Examining Board. (Nelson)
4. Discuss 20% Financial Assurance for Quartz RISE Grant Application. (Nelson)
6. **CONSENT AGENDA** – All items listed under the Consent Agenda will be enacted by one motion. There will be no separate discussion of these items unless a request is made prior to the time Council votes on the motion.
  - A. MINUTES of previous meeting(s)
  - B. BILLS PAYABLE
  - C. PERMITS
    1. Alcohol Licenses
      - a. New License – none
      - b. Renewal – none
      - c. Transfer – none
    2. Cigarette/Tobacco Permit – none
  - D. RESOLUTIONS
    1. 2380 – Authorizing the Sale of Property at 301 9<sup>th</sup> St.
    2. 2383 – Authorizing IEDA Grant Match – Kemx Global
    3. 2384 – Approving Street Lighting for 800 Cpl Roger Snedden Dr.
    4. 2385 – Authorizing Support for Application to Vision Iowa CAT.
  - E. BOARD AND COMMISSION APPOINTMENTS
    1. Emily Graeve – Zoning Board of Adjustment Five Year expires 2020
  - F. OTHER
7. **ORDINANCES**
  - A. Final Reading 2224 – Ordinance Revising Parking Section 69.08, Bryant School.
  - B. First Reading 2225 – Ordinance Amending Chapter 56 Dangerous Animals.
8. **MAYOR’S COMMENTS**
9. **COUNCILMEMBER’S COMMENTS**
10. **PUBLIC COMMENT FOR ITEMS NOT ON THE AGENDA**
11. **CLOSED SESSION PURSUANT TO IOWA CODE §20.17(3) TO DISCUSS CONTRACT NEGOTIATIONS (Fire Department).**
12. **CLOSED SESSION PURSUANT TO IOWA CODE §20.17(3) TO DISCUSS CONTRACT NEGOTIATIONS (CEBO).**
13. **MOTION TO ADJOURN**

Monthly Building Department Report  
December 2015

PERMITS ISSUED	NUMBER	VALUATION	PERMIT FEES	NOTES
Building - - New				
Single Family				
Multi-Family				
Garages/Carports				
Commercial				
Industrial				
Non-Profit				
Alterations/Additions				
Single Family	2	\$ 400.00	\$ 40.00	
Multi-Family				
Garages/Carports	1	\$ 6,000.00	\$ 107.00	
Commercial				
Industrial				
Non-Profit				
Miscellaneous				
Fences	2	\$ 5,900.00	\$ 40.00	
Decks	1	\$ 500.00	\$ 20.00	
Drives/Sidewalks	1	\$ 1,700.00	\$ 51.50	
Signs				
Demolition	4	\$ 47,600.00	\$ 80.00	
Moving				
<b>SUBTOTALS</b>	<b>11</b>	<b>\$ 62,100.00</b>	<b>\$ 338.50</b>	
Plumbing	21		\$ 290.00	
Heating	12		\$ 196.00	
Electrical	6		\$ 460.00	
Tapping Fees				
Stub-In Fees				
<b>SUBTOTALS</b>	<b>39</b>		<b>\$ 946.00</b>	
<b>TOTAL</b>	<b>50</b>	<b>\$ 62,100.00</b>	<b>\$ 1,284.50</b>	
Inspections				
Building	26			
Plumbing	25			
Heating	15			
Electrical	11			
Miscellaneous	28			
<b>TOTAL</b>	<b>105</b>			

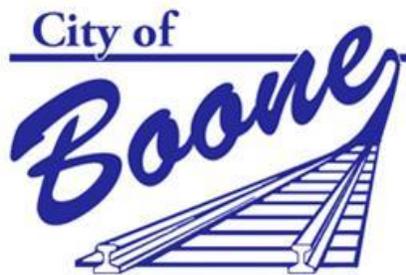
Respectfully submitted,  
  
Building Official

Director's Report  
Ericson Public Library  
January 18, 2016

1. The circulation for December was 11,647. Computer usage was 1,326. The meeting room was used 11 times with attendance of 82. We provided 14 outreach visits reaching 253 people.
2. The library deposited \$94.00 from adult library sales, \$6.00 from children's library sales. The library also received donations from: Victoria J Andrews-Pietz for \$50, and John, James and Judson Fisher in honor of Bob and Francey Fisher for \$300 and \$500 from Boone Bank and Trust. General donations of \$25 were received. We deposited \$57.91 from the Friends book cart and room sales.
3. Our main entry door has a broken mechanism which does not have a direct replacement. The type of door locking mechanism will be switched out to ensure the door will continue to lock without any further problems or issues.
4. The Friends of Library have discussed and approved moving forward with setting up a Boone County Endow Iowa Qualified Fund for individuals, businesses or financial institutions who would like to make a charitable gift to benefit the Ericson Public Library. Friends hope to raise the \$9000 to establish the fund. The Director will work with the Friends to start fundraising efforts. The donor benefits include an Endow Iowa tax credit along with the normal federal charitable income tax deduction.
5. Marla Gorshe, a long time part-timer is resigning at the end of the month to enjoy retirement. I have posted the library assistant position. We have also hired a new library page, Isabella Anderson, who has been volunteering for the last year, so she is already familiar with staff and the tasks.

**SPECIFICATIONS  
FOR  
CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IOWA**

**PROJECT NO. 15B003.01**



**City of Boone**  
923 - 8<sup>th</sup> Street, P.O. Box 550  
Boone, Iowa 50036  
Phone: 515-432-4211  
Fax: 515-433-0630

Contract Documents  
Prepared By:



8191 Birchwood Court, Suite L  
Johnston, Iowa 50131



**SPECIFICATIONS  
FOR  
CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IOWA**

**PROJECT NO. 15B003.01**

**FOTH INFRASTRUCTURE & ENVIRONMENT, LLC  
8191 BIRCHWOOD COURT, SUITE L  
JOHNSTON, IOWA 50131**

	<p>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>
	<p>Date: <u>1/12/20</u></p>
	<p><u>Jared Rokke</u> JARED ROKKE, P.E.</p>
	<p>License No. <b>21649</b> My renewal date is <b>December 31, 2016</b></p>
	<p>Pages or sheets covered by this seal: <u>All pages</u></p>



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## SPECIFICATIONS

2015 EDITION OF SUDAS STANDARD SPECIFICATIONS  
(NOT BOUND HEREIN AND EXCLUDING DIVISION 1 – GENERAL)

## SUPPLEMENTAL SPECIFICATIONS

PART 1 – SUDAS ADDENDUM.....	PART 1-1
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PLANS .....	BOUND SEPARATELY
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**NOTICE TO BIDDERS AND  
NOTICE OF PUBLIC HEARING**

**CRAWFORD STREET RECONSTRUCTION  
CITY OF BOONE, IOWA**

Sealed bids will be received by the City Clerk of Boone, Iowa at her office at 923 8th Street, Boone, Iowa 50036, before 2:00 p.m. on Thursday, February 4, 2016 for the following described public improvement:

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Project No. 15B003.01**

At the above time and place all bids received by the City will be opened and publicly read with the results being reported to the Boone City Council at their meeting on Monday, February 15, 2016 at 7:00 p.m. at which time the Council may take action on the proposals submitted or at such time as may then be fixed.

The City Council of Boone, Iowa, will hold a public hearing on the proposed Plans, Specifications, Form of Contract, and Estimate of Costs for the construction of said improvements at 7:00 p.m. on Monday, February 15, 2016 at the Council Chamber in City Hall, 923 8th Street, Boone, Iowa 50036. At said hearing, any interested person may appear and file objections thereto or to the cost of the improvements.

The extent of work on this project is the furnishing of all labor, equipment, and materials for the construction of improvements in Boone generally described as follows:

Construction of the CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET including all materials, labor and equipment necessary for the installation of approximately: **5070 SY of PCC paving, 470 SY of PCC sidewalk, 570 SY of PCC driveways, 3 EA live insertions of 4" gate valves, 4 hydrant replacements and relocations, 990 LF of storm sewer, 5 EA storm sewer manholes, 24 EA storm intake structures, 4 EA sanitary sewer manhole replacements, pavement markings, erosion control, surface restoration and miscellaneous related work and appurtenances.**

The kinds of materials, estimated quantities, and work to be done for the project on which bids will be received are as shown on the bid proposal for said project.

All work is to be done in strict compliance with the Plans and Specifications prepared by the Engineer which have been heretofore approved by the City Council and which are now on file for public examination in the office of the City Clerk.

All bids shall be made on a form furnished by the City and shall be filed before the time specified above, in a sealed envelope addressed to the City Clerk of Boone, Iowa, clearly stating that the envelope contains a bid on this project.

## **NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING**

Each bidder shall accompany its bid with bid security as defined in Iowa Code Section 26.8, as security that the successful bidder will enter into a contract for the work bid upon and will furnish after the award of contract a corporate surety bond, in a form acceptable to the City, for the faithful performance of the contract and guaranteeing payment to all persons supplying labor and/or materials in the execution of the work provided for in the contract, in an amount equal to 100% of the amount of the contract. Additionally the bidder must provide the City with a guarantee of maintenance of said improvement for a period of Four (4) years from the time of acceptance by the City. The bidder's security shall be in an amount equal to ten percent (10%) of the total amount of the bid and shall be in the form of a cashier's check or a certified check drawn on an FDIC insured bank in Iowa or on an FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a bid bond on the form provided in the contract documents with corporate surety satisfactory to the City. The bid shall contain no condition except as provided in the specifications.

If the bidder fails to execute the contract and to furnish an acceptable performance, payment, and maintenance bond or provide a Certificate of Insurance within ten (10) days after acceptance of the bid by the City, the bid security may be forfeited or cashed by the City as liquidated damages.

By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Failure to submit a fully completed Bidder Status Form with the bid may result in the bid being deemed nonresponsive and rejected.

A sales tax exemption certificate will be available for all material purchased for incorporation in the project.

Work on said project shall not commence until Written Notice to Proceed is issued. Notice to proceed is expected to be given May 1, 2016, although the Contractor shall not close Crawford Street to traffic until June 1, 2016, or when the Boone Community School District is no longer in session, whichever is earlier. With City Engineer approval of a detailed traffic control and staging plan submitted by the Contractor, the Contractor shall be allowed to setup isolated lane

**NOTICE TO BIDDERS AND  
NOTICE OF PUBLIC HEARING**

closures on Crawford Street and side street closures in order to complete advanced utility work on the project.

Work shall be completed as follows: **Substantial Completion** (street paving, driveways, sidewalks and utilities) within 10 weeks of street closure or by October 31, 2016, whichever is earlier and **Final Completion** (surface restoration) by May 15, 2017.

Liquidated damages in the amount of Five Hundred Dollars (\$500.00) per day will be assessed for each day that the work remains uncompleted after the end of the each contract completion date.

Payment for the work will be made by the City in cash from such funds as may be legally available including cash on hand, proceeds from the sale and issuance of General Obligation Bonds and such other funds including the proceeds from the sale and issuance of such other bonds as may lawfully be issued as the City Council may at its sole discretion determine and provide.

Payment will be made to the contractor based on monthly estimates in amounts equal to ninety-five (95%) percent of the contract value of the work completed during the preceding calendar month, and will be based upon an estimate prepared by the Contractor on the first day of the month, subject to the approval of the Engineer. Any such payment by the City shall in no way be construed as an act of acceptance for any part of the work partially or totally completed. Final payment by the City will be made in accordance with Iowa statutes and the contract documents.

Bidding forms may be obtained from Foth Infrastructure and Environment at 8191 Birchwood Court, Suite L, Johnston, Iowa 50131. Copies of Plans and Specifications and contract documents can be obtained at the same address.

The City reserves the right to reject any and/or all bids and to waive any and/or all technicalities and/or all irregularities.

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Ondrea Elmquist, City Clerk

Publish: January 28, 2016



# INSTRUCTIONS TO BIDDERS

## CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET BOONE, IOWA

PROJECT NO. 15B003.01

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3. BIDDER'S KNOWLEDGE	14. RESIDENT BIDDER PREFERENCE
4. BIDDER'S QUALIFICATIONS	15. EXECUTION OF CONTRACT
5. METHOD OF BIDDING	16. QUESTIONS AND ADDENDA
6. SUBMISSION OF BIDS	17. PRECONSTRUCTION CONFERENCE
5. METHOD OF BIDDING	18. APPROVAL OF MATERIALS
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7. BID SECURITY	20. METHOD OF PAYMENT
8. WITHDRAWAL OF BIDS	
9. EVALUATION OF BIDS	
10. TAXES	
11. AWARD OF CONTRACT	

#### 1. GENERAL STATEMENT

- 1.1 It is proposed under these Specifications to provide for furnishing completely the Contract requirements set forth in the Detailed Specifications.
- 1.2 The purpose of these Specifications is to require the furnishing of highest quality equipment, material, and workmanship, in accordance with these Specifications and best accepted practice.
- 1.3 The Bidder is expected to base his Bid on materials and equipment complying fully with the Plans and Specifications. In the event the Bid is based on material or equipment which does not conform, the Bidder will be held responsible for furnishing materials and equipment which conform fully at no change in the Bid Price.
- 1.4 Each Bidder in submitting their Bid, acknowledges their willingness to comply with the terms of these Contract Documents.

#### 2. LAWS AND REGULATIONS

- 2.1 Attention of all Bidders is called to Federal, State, and Municipal laws, regulations and ordinances in reference to labor, materials, equipment, Bonds

## **INSTRUCTIONS TO BIDDERS**

(Bidding, Performance, and Guarantee), and all other matters pertaining to the relationship between Owner, Contractor, and Engineer.

### **3. BIDDER'S KNOWLEDGE**

3.1 Bidders shall familiarize themselves with the Specifications and conditions which will affect the construction. It will be the responsibility of the Bidder to make a personal examination of the job site and the physical conditions which may affect their bidding and performance under the Contract.

### **4. BIDDER'S QUALIFICATIONS**

4.1 Bidders will be required to satisfy the Owner as to their integrity, experience, equipment, personal, and financial ability to perform the work.

4.2 If successful Bidder is a non-Iowa Corporation, proof shall be submitted to the Owner, prior to the execution of the Contract, of authorization by the Secretary of State to do business in Iowa.

### **5. METHOD OF BIDDING**

5.1 Bidders shall submit Lump Sum Bid and Unit Price Bids, as required for the work covered by the Plans and Specifications. Prices shall cover complete work and include all costs incidental thereto, unless indicated otherwise.

5.2 In the event of discrepancies between Unit Prices and Unit Price Extensions listed in the Bidder's Proposal, Unit Prices shall govern and Unit Price extensions shall be corrected, as necessary, for agreement with Unit Prices.

5.3 Bids will be computed on the basis of the work shown on the Plans and Specifications. If Unit Price Bids are called for, quantities are approximate and only for comparison of Bids. Engineer retains right to change location, quantities, and combination of units as may be required during progress of construction. Compensation due Contractor will be computed on basis for final quantities of completed work, as determined by the Engineer.

5.4 Unit Prices for payment items included in the Specifications, but not listed in the Proposal, will be negotiated, if needed.

5.5 Award of the Contract will be made to the lowest responsible/responsive Bidder.

### **6. SUBMISSION OF BIDS**

6.1 Bids shall be submitted on the Proposal form included herewith. The Bidder may request an electronic Proposal Schedule from the Engineer. The Proposal and Bid

## **INSTRUCTIONS TO BIDDERS**

Security shall be submitted in separate sealed envelopes. The envelopes shall bear the return address of the Bidder and shall be addressed as follows:

TO: City Clerk  
City of Boone  
923 8th Street  
Boone, Iowa 50036

PROPOSAL FOR: CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Boone, Iowa

BID SECURITY FOR: CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Boone, Iowa

6.2 The Bid shall be signed by a legally authorized representative of the Bidder.

### **7. BID SECURITY**

7.1 Each Bid shall be accompanied by Bid Security as set out in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.

7.2 The Bid Security shall be made payable to the CITY CLERK, CITY OF BOONE, IOWA and not contain any conditions either in the body or as an endorsement thereon. This bid security is provided to the City of Boone as security that if the bidder is awarded the contract by the City, the bidder will enter into a contract on a form provided by the City at prices bid and shall furnish to the City an acceptable performance bond, payment bond, and certificate of insurance meeting the requirements of the specifications including, but not limited to, naming the City and the Engineer as additionally insured. Bid Security shall be forfeited and become the property of the Owner in case the Bidder fails or refuses to enter into Contract and furnish acceptable bonds or provide a certificate of insurance within (10) calendar days after his proposal has been accepted.

7.3 Bid Security of the unsuccessful Bidders will be returned as soon as the Successful Bidder is determined or within thirty (30) days, whichever is sooner; Bid Security of Successful Bidder will be returned upon execution of Contract and furnishing of Bonds.

7.4 Use Bid Bond form included with Specifications.

### **8. WITHDRAWAL OF BIDS**

8.1 Bids may be withdrawn any time prior to the scheduled closing time for receipt of Bids, but no Bid may be withdrawn for a period of thirty (30) calendar days thereafter.

## **INSTRUCTIONS TO BIDDERS**

### **9. EVALUATION OF BIDS**

- 9.1 The Owner may consider such factors as Bid Price, experience and responsibility of Bidder, and similar factors in determining which Bid it deems to be in its best interest.
- 9.2 The Owner may reject any or all Bids, waive informalities, or technicalities in any Bid, and accept that Bid which it deems to be in its best interest.

### **10. AWARD OF CONTRACT**

- 10.1 The award of the contract, if awarded, will not be selected solely on basis of low bid alternative. The award will be made on basis of the alternative which, in the City's opinion, is in the best overall interest of the City as determined by the City Council. Unless otherwise specified, any such award will be made within the period stated in the Notice to Bidders and Notice of Public Hearing. The Owner reserves the right to reject any or all bids, to waive any informality in a bid and to select alternate additive or deductive bid items as desired by the Owner to determine the award of the Contract.

### **11. TAXES**

- 11.1 The City will issue a sales tax exemption certificate for all materials purchased on the project. The City will issue the appropriate tax exemption certificates and authorization letters to the Contractor and all subcontractors completing work on the project. Tax exemption certificates are applicable only for the specific project for which the tax exemption certificate is issued.
- 11.2 Contractor shall provide a listing to the City identifying all appropriate subcontractors qualified for use of the tax exemption certificate. Contractor and subcontractors may make copies of the certificate and provide to each supplier providing construction material a copy of the tax exemption certificate.
- 11.3 The Successful Bidder is subject to payment of Iowa income tax on income from this work in amounts prescribed by law. If Successful Bidder is a non-Iowa partnership, individual, or association, he shall furnish evidence, prior to execution of the Contract, that Bond or Securities have been posted with the Iowa State Department of Revenue in the amount required by law.

### **12. CONTRACT TERMINATION**

- 12.1 Provisions of law, as contained in Chapter 573A of the Code of Iowa, shall apply to and be a part of this Contract, Chapter 573A provides for termination of Contracts for construction of public improvements when construction or work thereon is stopped because of a national emergency. The provisions of Chapter

## **INSTRUCTIONS TO BIDDERS**

573A shall be binding upon all parties hereto including Subcontractors and Sureties upon any Bond given or filed in connection therewith.

### **13. PREFERENCE FOR LABOR AND MATERIALS**

13.1 By virtue of statutory authority, a preference will be given to products and provisions grown and coal produced within the State of Iowa; provided that the award of Contract will be made to the lowest responsible Bidder submitting the lowest responsive Bid, which shall be determined without regard to State or local law whereby preference is given on factors other than the amount or the Bid.

### **14. RECIPROCAL RESIDENT BIDDER AND RESIDENT LABOR FORCE PREFERENCE**

14.1 In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference allowed shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

14.2 In accordance with the requirements of the Iowa Department of Labor all bidders must submit a fully complete Bidder Status Form. The Bidder Status Form must be included with and is considered an essential attachment to the Proposal. Any Proposal that does not include a fully complete Bidder Status Form may result in the Proposal being deemed non-responsive and rejected.

### **15. EXECUTION OF CONTRACT**

15.1 The Successful Bidder shall, within ten (10) days of written Notice of Selection, enter into written Contract with the Owner on forms included with the Specifications for the performance of work awarded to the Successful Bidder.

### **16. QUESTIONS AND ADDENDA**

16.1 If any person contemplating submitting a Bid for the proposed work, material, or equipment is in doubt as to the true meaning of any part of the Plans, Specifications, or other Contract Documents, the Bidder may request an interpretation thereof. The person submitting the request will be responsible for its prompt delivery.

## **INSTRUCTIONS TO BIDDERS**

16.2 Questions concerning interpretation or intent of the Contract Documents should be directed to:

Jared Rokke, P.E.  
Foth Infrastructure and Environment  
8191 Birchwood Court, Suite L  
Johnston, Iowa 50131  
515.254.1393

16.3 Any oral interpretation given will be valid only if confirmed by written Addendum. Information obtained from an officer, agent, or employee of the Owner shall not affect the risks or obligations assumed by the Contractor or relieve the Contractor from fulfilling any of the conditions of the Contract.

16.4 The Owner reserves the right to revise or amend the Contract Documents, prior to the date set for receipt of Bids. Such revisions and amendments, if any, will be announced by an Addendum or Addenda to the Contract Documents.

16.5 Copies of such addenda as may be issued will be furnished to all holders of Specifications.

16.6 Bidders are required to acknowledge receipt of all Addenda by listing such Addenda in Proposal.

### **17. PRECONSTRUCTION CONFERENCE**

17.1 Following the award of Contract, the Contractor and the Contractor's Subcontractors will be required to attend a Preconstruction Meeting at a time and place designated by the Engineer.

### **18. APPROVAL OF MATERIALS**

18.1 Approval of substitutions of any materials or equipment other than that specified shall be obtained in writing from Engineer. Otherwise, it will be assumed the Contractor will furnish materials or equipment specified.

### **19. PERIOD OF GUARANTEE AND BONDS**

19.1 Performance Bond furnished by the Contractor shall remain in full force and effect until all bills are paid.

19.2 Maintenance Bonds will remain in full force and effect from the date of acceptance by the Owner for the period set out in the REGULATIONS OF THE CONTRACT.

## **INSTRUCTIONS TO BIDDERS**

### **20. METHOD OF PAYMENT**

- 20.1 Payment to the Contractor will be made by the City in cash, or its equivalent, as set out in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.



**PROPOSAL**

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IOWA**

**PROJECT NO. 15B003.01**

**PROPOSAL:**

**TO FURNISH ALL MATERIALS, TOOLS AND EQUIPMENT AND TO CONSTRUCT IMPROVEMENTS AS SPECIFIED HEREIN:**

**NAME OF BIDDER** \_\_\_\_\_

**ADDRESS OF BIDDER** \_\_\_\_\_

**TO THE:     CITY COUNCIL  
              CITY OF BOONE  
              923 8TH STREET  
              BOONE, IOWA 50036**

The Undersigned as a Bidder declares that he has examined the location of the proposed work and determined the amount and character of the proposed work and the material and equipment necessary to complete same in compliance with the Specifications, Plans, Contract, and Addenda number \_\_\_\_, \_\_\_\_, and \_\_\_\_.

The Undersigned states that he has been engaged in Contract work of this class for a period of \_\_\_\_ years and invites your attention to the following work that has been completed under his direction:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PROPOSAL**

(Certified Check)

The Undersigned submits herewith a ( Bid Bond ) in the amount of

(Cashier's Check)

\_\_\_\_\_(\$ \_\_\_\_\_) which shall become the property of the City of Boone, Iowa, should the Undersigned fail or refuse to execute a contract and to furnish Bond as called for in the Specifications within the time provided.

The Undersigned Bidder certifies that this Proposal is made in good faith, without collusion or connection with any other person or persons bidding on the work.

The Undersigned Bidder states that this proposal is made in conformity with the Specifications and agrees that in the event of any discrepancies or differences between any conditions of the Bidders Proposal and the Specifications that the provisions of the latter shall prevail.

The Undersigned hereby proposes to provide the required labor, materials, services, equipment and tools, and to perform the work described in the Specifications, within the time required for the sum or sums stated hereinafter in the Proposal Schedule, which schedule is hereby made a part of this Proposal.

The Undersigned Bidder certifies, by submission of this bid or proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency. Furthermore, the contractor will pass this requirement on to subcontractors (if allowable) seeking subcontracts over \$25,000.

The bidder shall provide immediate written notice to the City of Boone, Boone City Clerk, if at any time they learn this certification has become erroneous by reason of changed circumstances.

Bidder: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

# PROPOSAL SCHEDULE

## CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET BOONE, IOWA

1. Construct the **CRAWFORD STREET RECONSTRUCTION** for the following Unit and Lump Sum Prices.

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED PRICE
<b>DIVISION 1 - GENERAL (NOT USED)</b>					
1.1	Mobilization	LS	1	\$ _____	\$ _____
<b>DIVISION 2 - EARTHWORK, SUBGRADE AND SUBBASE</b>					
2.1	Clearing & Grubbing	LS	1	\$ _____	\$ _____
2.2	Top Soil, On Site	CY	803	\$ _____	\$ _____
2.3	Top Soil, Contractor Furnish	CY	500	\$ _____	\$ _____
2.4	Below Grade Excavation (Core Out)	CY	350	\$ _____	\$ _____
2.5	Subgrade Preparation, 6 in.	SY	5,686	\$ _____	\$ _____
2.6	Subgrade Treatment, Fly Ash	SY	1040	\$ _____	\$ _____
2.7	Fly Ash	TON	70	\$ _____	\$ _____
2.8	Modified Subbase, 6 in.	SY	5686	\$ _____	\$ _____
2.9	Removals, As Per Plan	LS	1	\$ _____	\$ _____
2.10	Brick Driveway Edging, Remove & Salvage	LF	45	\$ _____	\$ _____
<b>DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION</b>					
3.1	(Not Used)			\$ _____	\$ _____
<b>DIVISION 4 - SEWERS AND DRAINS</b>					
4.1	Storm Sewer, Trenched, RCP, Class V, 12 in.	LF	228	\$ _____	\$ _____
4.2	Storm Sewer, Trenched, RCP, Class V, 15 in.	LF	638	\$ _____	\$ _____
4.3	Storm Sewer, Trenched, RCP, Class III, 24 in.	LF	11	\$ _____	\$ _____
4.4	Storm Sewer, Trenched, RCP, Class III, 48 in.	LF	100	\$ _____	\$ _____
4.5	Reinforced Concrete Tee, Storm Sewer, 48" X 15"	EA	2	\$ _____	\$ _____
4.6	Special Pipe Connection, Storm Sewer, SW-211	EA	5	\$ _____	\$ _____
4.7	Removal of Storm Sewer Pipe Less Than or Equal to 36 in.	LF	420	\$ _____	\$ _____
4.8	Removal of Storm Sewer Pipe Greater Than 36 in.	LF	113	\$ _____	\$ _____
4.9	Subdrain, PVC, Case E, 8 in.	LF	2,200	\$ _____	\$ _____
4.10	Subdrain Collector Service	EA	29	\$ _____	\$ _____
4.11	Subdrain, Connection to Intake or Storm Sewer	EA	12	\$ _____	\$ _____
4.12	Field Tile & Fittings, PVC Unspecified Dia.	LF	250	\$ _____	\$ _____
4.13	Video Inspection of Sewers	LS	1	\$ _____	\$ _____

**PROPOSAL SCHEDULE**

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED PRICE
<b>DIVISION 5 – WATER MAIN AND APPURTENANCE</b>					
5.1	Hydrant Lead, Trenched, PVC C9000, DR 18, 4 in.	LF	40	\$ _____	\$ _____
5.2	Valve, Gate, 4 in. (Live Insertion)	EA	3	\$ _____	\$ _____
5.3	Fire Hydrant Assembly	EA	4	\$ _____	\$ _____
5.4	Valve Box Adjustment, Minor	EA	7	\$ _____	\$ _____
5.5	Removal of Fire Hydrant	EA	4	\$ _____	\$ _____
5.6	Relocation of Water Main	EA	2	\$ _____	\$ _____
<b>DIVISION 6 – STRUCTURES FOR SANITARY AND STORM SEWER</b>					
6.1	Manhole, Sanitary Sewer, SW-301, 48 in.	EA	4	\$ _____	\$ _____
6.2	Manhole, Storm Sewer, SW-401, 48 in.	EA	4	\$ _____	\$ _____
6.3	Manhole, Storm Sewer, SW-401, 84 in.	EA	1	\$ _____	\$ _____
6.4	Intake, Single Grate, SW-501	EA	22	\$ _____	\$ _____
6.5	Intake, Circular Single Grate, SW-502, 48"	EA	1	\$ _____	\$ _____
6.6	Intake, Single Grate w/Manhole, SW-503	EA	1	\$ _____	\$ _____
6.7	Manhole Adjustment, Major	EA	2	\$ _____	\$ _____
6.8	Removal of Manhole or Intake	EA	18	\$ _____	\$ _____
<b>DIVISION 7 – STREETS AND RELATED WORK</b>					
7.1	Pavement, PCC, Class C, 7 in.	SY	5,067	\$ _____	\$ _____
7.2	Removal of Sidewalk, Shared Use Path, or Driveway	SY	703	\$ _____	\$ _____
7.3	Sidewalk, PCC, 6 in.	SY	471	\$ _____	\$ _____
7.4	Detectable Warnings	SF	320	\$ _____	\$ _____
7.5	Driveway, Paved, 6 in.	SY	571	\$ _____	\$ _____
7.6	Pavement Removal	SY	5,054	\$ _____	\$ _____
7.7	Temporary Granular Access	TON	50	\$ _____	\$ _____
<b>DIVISION 8 – TRAFFIC SIGNALS AND TRAFFIC CONTROL</b>					
8.1	Traffic Control	LS	1	\$ _____	\$ _____
8.2	Painted Pavement Markings, Durable	STA	13.62	\$ _____	\$ _____
8.3	Street Signs, Removal & Reinstallation	LS	1	\$ _____	\$ _____
<b>DIVISION 9 – SITE WORK AND LANDSCAPING</b>					
9.1	Hydraulic Seeding, Fertilizing, and Mulching, Type 1 (Perm. Lawn Mix)	ACRE	1	\$ _____	\$ _____
9.2	Hydraulic Seeding, Fertilizing, and Mulching, Type 4 (Urban Temp. Mix)	ACRE	1	\$ _____	\$ _____
9.3	Watering	MGAL	87	\$ _____	\$ _____

**PROPOSAL SCHEDULE**

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED PRICE
9.4	Warranty	LS	1	\$ _____	\$ _____
9.5	Stormwater Pollution Prevention Plan (SWPPP) Management	LS	1	\$ _____	\$ _____
9.6	Filter Sock, Installation	LF	1,250	\$ _____	\$ _____
9.7	Filter Sock, Removal	LF	1,250	\$ _____	\$ _____
9.8	Inlet Protection, Installation	EA	24	\$ _____	\$ _____
9.9	Inlet Protection, Maintenance	EA	24	\$ _____	\$ _____
<b>TOTAL BASE BID CONSTRUCTION COST</b>					<b>\$ _____</b>

<b>ALTERNATE BID NO.1</b>					
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED PRICE
A.01	DELETE ITEM 4.9 - Subdrain, PVC, Case E, 8 in.	LF	2,200	*\$ _____	(-) *\$ _____
A.02	DELETE ITEM 4.10 - Subdrain Collector Service	EA	29	*\$ _____	(-) *\$ _____
A.03	ADD ITEM 4.9A - Subdrain, Corrigated PVC, Case B, 4 in.	EA	2,200	\$ _____	(+) \$ _____
A.04	INSERT "Total BASE BID Construction Cost" (as recorded above)				(+) *\$ _____
<b>TOTAL ALTERNATIVE BID CONSTRUCTION COST</b>					<b>\$ _____</b>
(*) As recorded above from Base Bid					

2. Work on said project shall not commence until Written Notice to Proceed is issued. Notice to proceed is expected to be given May 1, 2016, although the Contractor shall not close Crawford Street to traffic until June 1, 2016, or when the Boone Community School District is no longer in session, whichever is earlier. With City Engineer approval of a detailed traffic control and staging plan submitted by the Contractor, the Contractor shall be allowed to setup isolated lane closures on Crawford Street and side street closures in order to complete advanced utility work on the project.

Work shall be completed as follows: **Substantial Completion** (street paving, driveways, sidewalks and utilities) within 10 weeks of street closure or by October 31, 2016, whichever is earlier and **Final Completion** (surface restoration) by May 15, 2017.

3. Liquidated damages in the amount of **Five Hundred Dollars (\$500.00)** per consecutive calendar day will be assessed for each day that the work remains uncompleted after the end of the Contract Period, with due allowance for extensions of the Contract Period under Regulations of the Contract Section 28.1.



**BID BOND**

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto CITY OF BOONE, IOWA, as Obligee, (hereinafter referred to as "the OWNER"), in the penal sum of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), or \_\_\_\_\_ percent of the amount bid in lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the OWNER a certain proposal, in a separate envelope, and hereby made a part hereof, to enter into a contract in writing, for the following described improvements:

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Project No. 15B003.01**

Construction of the CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET including all materials, labor and equipment necessary for the installation of approximately: **5070 SY of PCC paving, 470 SY of PCC sidewalk, 570 SY of PCC driveways, 3 EA live insertions of 4" gate valves, 4 hydrant replacements and relocations, 990 LF of storm sewer, 5 EA storm sewer manholes, 24 EA storm intake structures, 4 EA sanitary sewer manhole replacements, pavement markings, erosion control, surface restoration and miscellaneous related work and appurtenances.**

The Surety hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be the Iowa District Court for Boone County. If legal action is required by the OWNER against the Surety or Principal to enforce the provisions of the bond or to collect the monetary obligation incurring to the benefit of the OWNER, the Surety or Principal agrees to pay the OWNER all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the OWNER hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers and remedies given to the OWNER, by law. The OWNER may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

NOW, THEREFORE, if said proposal by the Principal be accepted, and the Principal shall enter into a contract with OWNER in accordance with the terms of such proposal, including the provision of insurance and of a bond as may be specified in the contract documents, with good and sufficient surety for the faithful performance of such contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the OWNER the full amount of the bid bond, together with court costs, attorney's fees, and any other expense of recovery.

**BID BOND**

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

**SURETY:**

**PRINCIPAL:**

By \_\_\_\_\_  
Surety Company

By \_\_\_\_\_  
Signature Attorney-in-Fact/Officer

\_\_\_\_\_  
Printed Name of Attorney-in-Fact/Officer

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Company Telephone Number

By \_\_\_\_\_  
Bidder

By \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone Number

NOTE: All signatures on this bid bond must be original signatures in ink; copies, facsimile, or electronic signatures will not be accepted. This bond must be sealed with the Surety's raised, embossing seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal.

# BIDDER STATUS

## Bidder Status Form

---

### To be completed by all bidders

### Part A

Please answer "Yes" or "No" for each of the following:

- Yes  No My company is authorized to transact business in Iowa.  
*(To help you determine if your company is authorized, please review the worksheet on the next page).*
- Yes  No My company has an office to transact business in Iowa.
- Yes  No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- Yes  No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- Yes  No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a nonresident bidder. Please complete Parts C and D of this form.

---

### To be completed by resident bidders

### Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: \_\_\_\_/\_\_\_\_/\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_ Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_/\_\_\_\_/\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_ Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

Dates: \_\_\_\_/\_\_\_\_/\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_ Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

*You may attach additional sheet(s) if needed.*

---

### To be completed by non-resident bidders

### Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State:

\_\_\_\_\_

2. Does your company's home state or foreign country offer preferences to bidders who are residents?  Yes  No

3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

\_\_\_\_\_

\_\_\_\_\_

*You may attach additional sheet(s) if needed.*

---

### To be completed by all bidders

### Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

You must submit the completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156.

This form has been approved by the Iowa Labor Commissioner.

309-6001 02-14

# BIDDER STATUS

## Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- Yes  No      My business is currently registered as a contractor with the Iowa Division of Labor.
- Yes  No      My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.
- Yes  No      My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- Yes  No      My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- Yes  No      My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa secretary of state, has filed its most recent biennial report with the secretary of state, and has neither received a certificate of withdrawal from the secretary of state nor had its authority revoked.
- Yes  No      My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- Yes  No      My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- Yes  No      My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.
- Yes  No      My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- Yes  No      My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- Yes  No      My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

**CONTRACT**

CONTRACT NO. \_\_\_\_\_  
DATE \_\_\_\_\_

THIS CONTRACT, made and entered into at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between the City of Boone, Iowa by its City Administrator, upon order of its City Council hereinafter called the "Owner," and \_\_\_\_\_, hereinafter called the "Contractor."

WITNESSETH:

**The Contractor hereby agrees to complete the work comprising the below referenced improvements as specified in the Contract Documents, which are officially on file with the City, in the office of the City Engineer. This contract includes all Contract Documents.**

**The term "Contract Documents" means and includes the following:**

- A. Notice to Bidders and Notice of Public Hearing**
- B. Instructions to Bidders**
- C. Proposal**
- D. Bid Bond**
- E. Contract**
- F. Performance Bond**
- G. Regulations of the Contract**
- H. Supplemental Regulations**
- I. Special Conditions**
- J. Detailed Specifications**
- K. Plans Numbered 1 through 10.**
- L. Standard Drawings**
- M. Addenda Number \_\_\_\_ through \_\_\_\_.**
- N. Change Orders Number \_\_\_\_ through \_\_\_\_.**
- O. Notice to Proceed**

**The work under this contract shall be constructed in accordance with the SUDAS Standard Specifications, 2015 Edition, and as further modified by the supplemental specifications and special provisions included in said contract documents, and the Contract Attachment - Item 1: General, which is attached hereto. The Contractor further agrees to complete the work in strict accordance with said contract documents, and to guarantee the work as required by law, for the time required in said contract documents, after its acceptance by the City.**

This contract is awarded and executed for completion of the work specified in the contract documents for the bid prices shown on the Contract Attachment - Item 2: Bid Items, Quantities, and Prices, which were proposed by the Contractor in its proposal submitted in accordance with the Notice to Bidders and Notice of Public Hearing for the following described improvements:

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Project No. 15B003.01**

Construction of the CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET including all materials, labor and equipment necessary for the installation of approximately: **5070 SY of PCC paving, 470 SY of PCC sidewalk, 570 SY of PCC driveways, 3 EA live insertions of 4” gate valves, 4 hydrant replacements and relocations, 990 LF of storm sewer, 5 EA storm sewer manholes, 24 EA storm intake structures, 4 EA sanitary sewer manhole replacements, pavement markings, erosion control, surface restoration and miscellaneous related work and appurtenances.**

The Contractor agrees to perform said work for and in consideration of the City’s payment of the bid amount of \_\_\_\_\_ dollars (\$\_\_\_\_\_) which amount shall constitute the required amount of the performance, maintenance, and payment bond. The Contractor hereby agrees to commence work under this contract on or before a date to be specified in a written notice to proceed by the City and to complete the project by the **Substantial Completion** (street paving, driveways, sidewalks and utilities) within 10 weeks of street closure or by October 31, 2016, whichever is earlier and **Final Completion** (surface restoration) by May 15, 2017; and to pay liquidated damages for noncompliance with said completion provisions at the rate of Five Hundred Dollars (\$500.00) for each calendar day thereafter each contract completion date the work remains incomplete.

IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown written.

OWNER

CONTRACTOR

By \_\_\_\_\_

\_\_\_\_\_  
Contractor

(Seal)  
ATTEST:

By \_\_\_\_\_  
Signature

\_\_\_\_\_

\_\_\_\_\_  
Title

FORM APPROVED BY:

\_\_\_\_\_  
Attorney for Owner

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Telephone

CONTRACTOR PUBLIC REGISTRATION INFORMATION To Be Provided By:

- 1. All Contractors: The Contractor shall enter its Public Registration Number \_\_\_\_\_ - \_\_\_\_\_ issued by the Iowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.

2. Out-of-State Contractors:

- A. Pursuant to Section 91C.7 of the Iowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in Iowa, shall file a bond with the division of labor services of the department of workforce development. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.
- B. Prior to entering into contract, the designated low bidder, if it is a corporation organized under the laws of a state other than Iowa, shall file with the Engineer a certificate from the Secretary of the State of Iowa showing that it has complied with all the provisions of Chapter 490 of the Iowa Code, or as amended, governing foreign corporations.

**NOTE: All signatures on this contract must be original signatures in ink; copies, facsimile, or electronic signatures will not be accepted.**

CORPORATE ACKNOWLEDGMENT

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known, who, being by me duly sworn, did say that they are the \_\_\_\_\_, and \_\_\_\_\_, respectively, of the corporation executing the foregoing instrument; that (no seal has been procured by) (the seal affixed thereto is the seal of) the corporation; that said instrument was signed (and sealed) on behalf of the corporation by authority of this Board of Directors; that \_\_\_\_\_ and \_\_\_\_\_ acknowledged the execution of the instrument to be the voluntary act and deed of the corporation, by it and by them voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20 \_\_\_\_\_

PARTNERSHIP ACKNOWLEDGMENT

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ to me personally known, who being by me duly sworn, did say that the person is one of the partners of \_\_\_\_\_, a partnership, and that the instrument was signed on behalf of the partnership by authority of the partners and the partner acknowledged the execution of the instrument to be the voluntary act and deed of the partnership by it and by the partner voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20 \_\_\_\_\_

**CONTRACT**

**INDIVIDUAL ACKNOWLEDGMENT**

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned, a Notary Public in and for the State of \_\_\_\_\_, personally appeared \_\_\_\_\_ and \_\_\_\_\_, to me known to be the identical person(s) named in and who executed the foregoing instrument, and acknowledged that (he) (she) (they) executed the instrument as (his) (her) (their) voluntary act and deed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

**LIMITED LIABILITY COMPANY ACKNOWLEDGMENT**

State of \_\_\_\_\_ )  
 ) SS  
\_\_\_\_\_ County)

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me a Notary Public in and for said county, personally appeared \_\_\_\_\_, to me personally known, who being by me duly sworn did say that person is \_\_\_\_\_ of said \_\_\_\_\_, that (the seal affixed to said instrument is the seal of said OR no seal has been procured by the said) \_\_\_\_\_, and that said instrument was signed and sealed on behalf of the said \_\_\_\_\_, by authority of its managers and the said \_\_\_\_\_ acknowledged the execution of said instrument to be the voluntary act and deed of said \_\_\_\_\_, by it voluntarily executed.

\_\_\_\_\_  
Notary Public in and for the State of \_\_\_\_\_  
My commission expires \_\_\_\_\_, 20\_\_\_\_

**PERFORMANCE, PAYMENT AND MAINTENANCE BOND**

SURETY BOND NO. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal (hereinafter the "Contractor" or "Principal" and \_\_\_\_\_, as Surety are held and firmly bound unto \_\_\_\_\_ CITY OF BOONE, IOWA \_\_\_\_\_, as Obligee (hereinafter referred to as "the Owner"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, legal representatives and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a contract with the Owner, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, hereinafter the "Contract") wherein said Contractor undertakes and agrees to construct the following described improvements:

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
Project No. 15B003.01**

**Construction of the CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET including all materials, labor and equipment necessary for the installation of approximately: 5070 SY of PCC paving, 470 SY of PCC sidewalk, 570 SY of PCC driveways, 3 EA live insertions of 4" gate valves, 4 hydrant replacements and relocations, 990 LF of storm sewer, 5 EA storm sewer manholes, 24 EA storm intake structures, 4 EA sanitary sewer manhole replacements, pavement markings, erosion control, surface restoration and miscellaneous related work and appurtenances.**

## PERFORMANCE, PAYMENT, AND MAINTENANCE BOND

(CON'T – PERFORMANCE, PAYMENT, AND MAINTENANCE BOND)

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents.

It is expressly understood and agreed by the Contractor and Surety in this bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

1. **PERFORMANCE:** The Contractor shall well and faithfully observe, perform, fulfill, and abide by each and every covenant, condition, and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements, and shall indemnify and save harmless the Owner from all outlay and expense incurred by the Owner by reason of the Contractor's default or failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.
2. **PAYMENT:** The Contractor and the Surety on this Bond hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment, and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price the Owner is required to retain until completion of the improvement, but the Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573 of the Iowa Code, which by this reference is made a part hereof as though fully set out herein.
3. **MAINTENANCE:** The Contractor and the Surety on this Bond hereby agree, at their own expense:
  - A. To remedy any and all defects that may develop in or result from work to be performed under the Contract within the period of   4   year (s) from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;
  - B. To keep all work in continuous good repair; and
  - C. To pay the Owner's reasonable costs of monitoring and inspection to assure that any defects are remedied, and to repay the Owner all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.

**Contractor's and Surety's agreement herein made extends to defects in workmanship or materials not discovered or known to the Owner at the time such work was accepted.**

## PERFORMANCE, PAYMENT, AND MAINTENANCE BOND

(CON'T – PERFORMANCE, PAYMENT, AND MAINTENANCE BOND)

4. GENERAL: Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:
- A. To consent without notice to any extension of time to the Contractor in which to perform the Contract;
  - B. To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than 20% of the total contract price, and that this bond shall then be released as to such excess increase; and
  - C. To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.

The Contractor and every Surety on the bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

- D. That no provision of this Bond or of any other contract shall be valid that limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.
- E. That as used herein, the phrase “all outlay and expense” is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred by the Owner including interest, benefits, and overhead where applicable. Accordingly, “all outlay and expense” would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorneys fees (including overhead expenses of the Owner’s staff attorneys), and all costs and expenses of litigation as they are incurred by the Owner. It is intended the Contractor and Surety will defend and indemnify the Owner on all claims made against the Owner on account of Contractor’s failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Owner will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Owner incurs any “outlay and expense” in defending itself against any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Owner whole for all such outlay and expense, provided that the Surety’s obligation under this bond shall not exceed 125% of the penal sum of this bond.

## **PERFORMANCE, PAYMENT, AND MAINTENANCE BOND**

(CON'T – PERFORMANCE, PAYMENT AND MAINTENANCE BOND)

In the event that any actions or proceedings are initiated regarding this Bond, the parties agree that the venue thereof shall be in the Iowa District Court for Boone County, State of Iowa. If legal action is required by the Owner to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Owner, the Contractor and the Surety agree, jointly, and severally, to pay the Owner all outlay and expense incurred therefor by the Owner. All rights, powers, and remedies of the Owner hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers, and remedies given to the Owner, by law. The Owner may proceed against surety for any amount guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action(s) or not.

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a work, term, or phrase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

**PERFORMANCE, PAYMENT, AND MAINTENANCE BOND**

Project No. \_\_\_\_\_

(CON'T – PERFORMANCE, PAYMENT, AND MAINTENANCE BOND)

Witness our hands, in triplicate, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

Surety Countersigned By:

**PRINCIPAL:**

\_\_\_\_\_  
Signature of Agent

\_\_\_\_\_  
Contractor

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name of Agent

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company Name

**SURETY:**

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Surety Company

\_\_\_\_\_  
City, State, Zip Code

By: \_\_\_\_\_  
Signature Attorney-in-Fact Officer

\_\_\_\_\_  
Company Telephone Number

\_\_\_\_\_  
Printed Name of Attorney-in-Fact Officer

\_\_\_\_\_  
Company Name

**FORM APPROVED BY:**

\_\_\_\_\_  
Company Address

\_\_\_\_\_  
Attorney for Owner

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Company Telephone Number

**NOTE:**

1. All signatures on this performance, payment, and maintenance bond must be original signatures in ink; copies, facsimile, or electronic signatures will not be accepted.
2. This bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal.
4. The name and signature of the Surety's Attorney-in-Fact/Officer entered on this bond must be exactly as listed on the Certificate or Power of Attorney accompanying this bond.



# REGULATIONS OF THE CONTRACT

## BOONE, IOWA

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#### 1. GENERAL STATEMENT

1.1 It is expressly understood and agreed that the Contract Documents comprised of the Notice to Bidders and Notice of Public Hearing, Instructions to Bidders, Regulations of the Contract, Proposal, Contract, Supplemental Regulations, Performance Bond, Statutory Bond, Special Conditions, Detailed Specifications, Plans, all Addenda thereto issued prior to the time of opening of Bids for the work, all of which are hereto attached, Approved Change Orders, Notice to Proceed, and other Drawings, Specifications, and engineering data which may be furnished by the Contractor and approved by the Owner, together with such additional Drawings which may be furnished by the Engineer from time to time as are necessary to make clear and to define in greater detail the intent of the Specifications and Drawings.

1.2 That several parts of the Contract Documents are complementary, and what is called for by any one shall be as binding as if called for by all. The intention of the Documents is to include the furnishing of all materials, labor, tools, equipment and supplies necessary for completion of the contract obligations. Materials or work described in words which so applied have a well known technical or trade meaning shall be held to refer to such recognized standards. Notwithstanding Section 1.1 of the Special Conditions, in the event of a conflict between any of the contract documents, the Contractor is to provide the greater quantity and/or better quality, unless otherwise directed in writing by the Owner or Engineer.

## **REGULATIONS OF THE CONTRACT**

- 1.3 The Contract shall be executed in Boone County in the State of Iowa. Five copies of Contract Documents shall be prepared, each containing an exact copy of the Contractor's Proposal as submitted, the Performance, Payment, and Maintenance Bond properly executed, and the Documents shall be filed as follows: Two with the Owner, One with the Contractor, One with the Engineer, One with Bonding Company.

### **2. DEFINITIONS**

- 2.1 Wherever any work or expression in this article, or pronoun used in its stead, occurs in these Contract Documents, it shall have and is mutually understood to have the meaning herein given:
- 2.1.1 "Contract" or "Contract Documents" shall include all of the Documents enumerated in the previous article.
- 2.1.2 "Owner", "Purchaser", shall mean the party entering into Contract or duly authorized officers or agents of the owner.
- 2.1.3 "Contractor" shall mean the party entering into Contract for the performance of the work covered by this Contract and duly authorized agents or legal representatives of the Contractor.
- 2.1.4 "Engineer" shall mean the Engineer or Engineers who have been employed by the Owner for this work, or their duly authorized agents, such agents acting severally within the scope of the particular duties entrusted to them.
- 2.1.5 "Inspector" shall mean the engineering or technical inspector or inspectors duly authorized by the Owner, limited to the particular duties entrusted to them.
- 2.1.6 "Date of Award Contract" or words equivalent thereto, shall mean the date upon which the Successful Bidder's Proposal is accepted by the Owner.
- 2.1.7 "Day" or "Days", unless herein other expressly defined, shall mean a calendar day or days of twenty-four (24) hours each.
- 2.1.8 "The work" shall mean the work to be done and the equipment, supplies, materials and labor to be furnished under this Contract, unless some other meaning is indicated by the context.
- 2.1.9 "Plans" or "Drawings" shall mean and include all Drawings which may have been prepared by the Engineer as a basis for proposals, all Drawings submitted by the Successful Bidder with his Proposal and by

## **REGULATIONS OF THE CONTRACT**

the Contractor to the Owner, if and when approved by the Engineer, and all Drawings submitted by the Owner to the Contractor during the progress of the work as provided for therein.

- 2.1.10 Whenever in these Contract Documents the words, “as ordered”, “as directed”, “satisfactory”, or words of like effect and import, unless otherwise particularly specified herein, shall mean approved, reasonable, suitable, acceptable, proper or satisfactory in the judgment of the Owner and Engineer.
- 2.1.11 Similarly the words “approved”, “reasonable”, “suitable”, “acceptable”, “properly”, “satisfactory”, or words of like effect and import, unless otherwise particularly specified herein, shall mean approved, reasonable, suitable, acceptable, proper or satisfactory in the judgment of the Owner and Engineer.
- 2.1.12 Whenever the statement is made in these Contract Stipulations containing the expression “it is understood and agreed”, or an expression of the like import, such expression means the mutual understanding and agreement of the Contractor and Owner.
- 2.1.13 Wherever the words, “Notice to Bidders” appear in these Specifications or Contract Documents, there should be substituted therefore the words, “Notice to Bidders and Notice of Public Hearing”.

### **3. CONTRACTOR’S OBLIGATIONS**

- 3.1 It is understood and agreed that the Contractor, by careful examination, has been satisfied as to the nature and location of the work, the conformation of the ground, the character, quality and quantity of the materials to be encountered, the character of the equipment and facilities needed preliminary to and during the prosecution of the work, the general local conditions, and all other matters which can in any way affect the work under this Contract. No verbal agreement or conversation with any officer, agent, or employee of the Owner, either before or after the execution of the Contract, shall effect or modify any of the terms of obligations herein contained.

### **4. ENGINEER’S OBLIGATIONS**

- 4.1 The Engineer shall have general supervision of the work as representative of the Owner. The Engineer shall have authority to direct the program of the construction insofar as the proper execution of the Contract is affected and to the extent that the forces of labor may be increased or decreased by the Engineer’s order to insure the execution of the Contract in the time and in the manner prescribed.

## **REGULATIONS OF THE CONTRACT**

- 4.2 All work performed under this Contract shall be done in a first-class manner, and done to the satisfaction of the Owner. The Owner shall in all cases determine the amount, quality, acceptability, and fitness of the several kinds of work and materials herein specified. The Owner shall decide all questions which may arise as to the fulfillment of the terms of the Contract by the Contractor, or as to the intent or purpose of the Contract.
- 4.3 The Engineer shall, within a reasonable time after presentation, make decisions in writing on claims arising between the principals of the Contract and shall make interpretations of the Plans and Specifications. Such decisions and interpretations shall be regarded as final. In case of disagreements on decisions recourse may be resolved as hereinafter provided.
- 4.4 Any plan or method of work suggested by the Engineer, or other representative of the Owner, to the Contractor, but not specified or required, if adopted or followed by the Contractor in whole or in part, shall be used at the risk and responsibility of the Contractor; and the Engineer and the Owner will assume no responsibility thereof.

### **5. BOND**

- 5.1 Coincident with the execution of the Contract and Agreement, the Contractor shall furnish a good and sufficient surety Bond, in the form attached hereto, in the full amount of the contract sum. This surety Bond, executed by the Contractor to the Owner, shall be a guarantee: (a) for the faithful performance and completion of the work in strict accordance with the terms of the Contract Documents: (b) the payment of all bills and obligations arising from this Contract which might in any manner become a claim against the Owner: (c) for payment to the Owner of all claims due or which may become due by the terms of the Contract, as well as by reason of any violation thereof by the Contractor: (d) for the protection of the Owner against all suits and claims for infringements of the patent right and/or processes: for the period of four (4) years from and immediately following the completion of said Contract and acceptance thereof by the Owner of all improvements, the payment to the Owner or the Owner's successor or assigns for all damage, loss and expense which may occur to the Owner, the Owner's successor or assigns by reason of defective materials used, or by reason of defective workmanship done, in the furnishing of materials and equipment in performance of said Contract, or in lieu thereof the Owner, the Owner's successors or assigns, may require the Contractor to maintain such items in need of repair for the said periods specified therein.
- 5.2 All provisions of the Bond shall be complete and in full accordance with the statutory requirements. The Bond shall be executed with the proper sureties through a company licensed and qualified to operate in the state and approved by the Owner. The Bond shall be signed by an agent resident in the State of Iowa and date of Bond shall be the date of execution of the Contract. If at any time

## REGULATIONS OF THE CONTRACT

during the continuance of the Contract, the surety on the Contractor's Bond becomes irresponsible, the Owner shall have the right to require additional and sufficient sureties which the Contractor shall furnish to the satisfaction of the Owner within ten (10) days after notice to do so. In default thereof, the Contract may be suspended, all payments or money due the Contractor withheld, and the Contract completed as hereinafter provided.

### 6. INSURANCE

#### 6.1 General

- 6.1.1 The Contractor shall purchase and maintain insurance to protect the Contractor, the Engineer and Owner against all hazards enumerated herein. All policies shall be in the amounts, form and companies satisfactory to the Owner
- 6.1.2 All Certificates of insurance required herein shall state that thirty (30) days written notice will be given to the Owner before the Policy is canceled or changed. All certificates of insurance shall be delivered to the Owner and Engineer prior to the time that any operations under this Contract are started.
- 6.1.3 All of said Contractor's insurance policies shall be written by an insurance company authorized to do business in the State of Iowa.

#### **6.1.4 ENDORSEMENT NAMING OWNER AS AN ADDITIONAL INSURED /CANCELLATION AND MATERIAL CHANGE/ GOVERNMENTAL IMMUNITIES ENDORSEMENT**

A. All liability insurance policies which the Contractor is required to furnish shall by endorsement name and designate the Owner as an additional insured.

B. **The Additional Insured Endorsement shall include the following provisions:**

The Owner, including all its elected and appointed officials, all its employees and volunteers, all its boards, commissions and/or authorities and their board members, employees, and volunteers, and all its officers, agents, and consultants, are named as Additional Insureds with respect to liability arising out of the contractor's work and services performed for the Owner. This coverage shall be primary to the Additional Insureds, and not contributing with any other insurance or similar protection available to the Additional Insureds, whether other available coverage by primary, contributing or excess.

## REGULATIONS OF THE CONTRACT

The Additional Insured Endorsement shall be included on all Commercial General Liability, Automobile Liability, and Umbrella/Excess Insurance policies.

C. **The Cancellation and Material Change shall include the following provisions:**

Thirty (30) days advance written Notice of Cancellation, Non-Renewal or Reduction in Insurance coverage and/or Limits, and ten (10) days written Notice of Non-payment of Premium, shall be sent to the Owner at the office and attention of the Certificate Holder . This endorsement supersedes the standard cancellation statement on the Certificate of Insurance to which this endorsement is attached.

This Cancellation And Material Change Endorsement shall be included on insurance policies required by the Urban Standard Specifications for Public Improvements.

D. **All liability policies which include the Owner as an additional insured shall include a Governmental Immunities Endorsement pursuant to Chapter 670.4 of the Iowa Code, which endorsement shall include the following provisions:**

1. Nonwaiver of Government Immunity. The insurance carrier expressly agrees and states that the purchase of this policy and including the Owner as an Additional Insured does not waive any of the defenses of governmental immunity available to the Owner under Code of Iowa Section 670.4 as it now exists and as it may be amended from time to time.

2. Claims Coverage. The insurance carrier further agrees that this policy of insurance shall cover only those claims not subject to the defense of governmental immunity under the Code of Iowa Section 670.4 as it now exists and as it may be amended from time to time.

3. Assertion of Government Immunity. The Owner shall be responsible for asserting any defense of governmental immunity, and may do so at any time and shall do so upon the timely written request of the insurance carrier. Nothing contained in this endorsement shall prevent the carrier from asserting the defense of governmental immunity on behalf of the Owner.

4. Non-Denial of Coverage. The insurance carrier shall not deny coverage or deny any of the rights and benefits accruing to the Owner under this policy for reasons of governmental immunity unless and until a court of

## **REGULATIONS OF THE CONTRACT**

competent jurisdiction has ruled in favor of the defense(s) of governmental immunity asserted by the Owner.

5. No Other Change in Policy. The insurance carrier and the Owner agree that the above preservation of governmental immunities shall not otherwise change or alter the coverage available under the policy.

This Government Immunities Endorsement shall be included on all Insurance policies which include the Owner as Additional Insured.

- 6.2 The Contractor shall purchase and maintain such insurance as will protect the Contractor from claims set forth below which may arise out of or result from the Contractor's operations under the contract, whether such operations be by the Contractor or by any of them, or by anyone for whose acts any of them may be liable.
- 6.2.1 Claims under workers' or workmen compensation, disability benefit and other similar employee benefit acts;
  - 6.2.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of the Contractor's employees;
  - 6.2.3 Claims for damages because of the Contractor's injury, sickness or disease, or death of any person other than the Contractor's employees;
  - 6.2.4 Claims for damages insured by usual personal injury liability coverage which are sustained.
    - A. by any person as a result of an offense directly related to the employment of such person by the Contractor, or
    - B. by the other person;
  - 6.2.5 Claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting there from; and,
  - 6.2.6 Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.
- 6.3 Limits of Liability
- 6.3.1 The insurance required by Paragraph 6 shall be written on an occurrence form of policy for not less than any limits of liability specified herein, or required by law, whichever is greater:

## REGULATIONS OF THE CONTRACT

General Liability; contractually, independent Contractors, Broad Form Property damage	\$2,000,000 (including single limit per occurrence)
Personal Injury, Underground Explosion and Collapse	\$1,000,000 (Aggregate hazards)
Automobile Liability (including all owned, non- owned and hired autos) single limit	\$1,000,000 Combined
Worker's Compensation	Statutory Benefits \$500,000 Coverage B
Umbrella Liability; (applying directly excess of above liability single limit coverage)	\$1,000,000 Combined \$1,000,000

### 6.4 Contractual Liability Insurance

6.4.1 The insurance required by Paragraph 6 shall include contractual liability insurance applicable to the Contractor's obligations as follows:

- A. To the fullest extent permitted by law the Contractor shall defend, indemnify, and hold harmless the Owner and the Engineer and their agents, representatives, officers and employees ("Indemnitees") from and against all claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from or in connection with the performance of the Work, provided that any such claim, damage, loss or expense is caused in whole or in part by any act or omission of the Contractor, anyone directly or indirectly employed by it or anyone for whose acts any of them may be liable. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity or contribution which would otherwise exist as to any party or person described in the Contract Documents.
- B. In any and all claims against the Owner or Engineer or any of their agents, officers or employees by any employee of the Contractor, any Subcontractor, any directly or indirectly employed by any of them or anyone for whose acts may be liable, the indemnification obligation under this Subparagraph 4 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or

## **REGULATIONS OF THE CONTRACT**

for the Contractor or any Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

- C. The obligations of the Contractor under this Subparagraph 4 shall not extend to the liability of the Engineer, the Engineer's agents or employees arising out of (1) the preparation or approval of Maps, Drawings, Opinions, Reports, Surveys, Change Orders, Designs or Specifications, or (2) the giving of or the failure to give directions or instructions by the Engineer, the Engineer's agents or employees providing such giving or failure to give are the primary cause of the injury or damage.

6.5 Contractor's Insurance for other Losses for the consideration in this agreement heretofore stated, in addition to the Contractor's other obligations, the Contractor assumes full responsibility for all loss or damage from any cause whatsoever to any tools owned by the mechanics, any tool machinery, equipment, or motor vehicles owned or rented by the Contractor, the Contractor's agents, Subcontractors, materials owned or rented by the Contractor, the Contractor's agents, Subcontractors, material suppliers or their employees, tool sheds or other temporary structures, scaffolding and staging, protective fences, bridges and sidewalk hooks. The Contractor shall also assume responsibility for all loss or damage caused by, arising out of or incident to larceny, theft, or any cause whatsoever (except as hereinbefore provided) to the structure on which the work of this Contract, and any modifications, alterations, enlargement thereto, is to be done, and to the following items and labor connected or to be used as a part of the permanent materials, and supplies necessary to the work.

6.6 Notification in Event of Liability or Damage Upon the occurrence of any event, the liability for which is herein assumed, the Contractor agrees to forthwith notify the Owner, in writing, such happening, which notice shall forthwith give the details as to the happening, the cause as far as can be ascertained, the estimate of loss or damage done, the names of witnesses, if any, and stating the amount of any claim.

### **7. ASSIGNMENT OF CONTRACT**

7.1 The Contractor shall not assign or transfer this Contract, nor sublet it as a whole, without the written consent of the Owner and of the Surety on the Contractor's Bond. Such consent of Surety, together with copy of assignment shall be filed with the Engineer. No assignment, transfer or subletting, even though consented to, shall relieve the Contractor of the Contractor's liabilities under this Contract. Should any assignee fail to perform the work undertaken by the Assignee in a satisfactory manner, the Owner may at the Owner's option annul and terminate Assignee's Contract.

### **8. SUB-CONTRACTS**

## **REGULATIONS OF THE CONTRACT**

- 8.1 The Contractor shall, as soon as practicable after the signing of the Contract, notify both the Owner and the Engineer in writing of the names of Subcontractors proposed for the work and shall not employ any that the Owner or the Engineers may within a reasonable time object to as incompetent or unfit.
- 8.2 The Contractor agrees that the Contractor is as fully responsible to the Owner for the acts and omissions of the Contractor's subcontractors and of persons either directly or indirectly employed by them, as the Contractor is for the acts and omissions of persons directly employed by the Contractor.
- 8.3 Nothing contained in the Contract Documents shall create any contractual relation between any Subcontractor and the Owner.
- 8.4 No officer, agent or employee of Owner, including the Engineer, shall have any power or authority whatsoever to bind the Owner or incur any obligation in its behalf to any Subcontractor, material supplier, or other person in any manner whatsoever.

### **9. OTHER CONTRACTS**

- 9.1 The Owner reserves the right to let other contracts in connection with this work. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate the Contractor's work with theirs.
- 9.2 If any part of the Contractor's work depends for proper execution or results on the work of any other Contractor, the Contractor shall inspect and promptly report to the Engineer any defect in such work that renders it unsuitable for such proper execution and results.
- 9.3 The Contractor's failure to inspect and report shall constitute an acceptance of the other Contractor's work as fit and proper for the reception of his work, except as to defects which may develop in the other Contractor's work after the execution of the Contractor's work.
- 9.4 Wherever work being done by the Owner's forces or by other Contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Engineer, in order to secure the completion of the various portions of the work in general harmony.

### **10. LEGAL RESTRICTIONS**

- 10.1 The Contractor shall procure at the Contractor's own expense all necessary licenses and permits of a temporary nature and shall give due and adequate notice to those in control of all licenses and easements for permanent structures or permanent changes in existing facilities shall be provided by the Owner unless

## **REGULATIONS OF THE CONTRACT**

otherwise specified. The Contractor shall have all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the work as drawn or specified.

### **11. ROYALTIES AND PATENTS**

- 11.1 It is agreed that all royalties for patents or patent infringement claims, whether such patents are for processes or devices, that might be involved in the construction or use of the work, shall be included in the Contract amount and the Contractor shall satisfy all demands that may be made at anytime for such, and shall be liable for any damages or claim for patent infringements, and the Contractor shall at the Contractor's own expense, defend any and all suits or proceedings that may be instituted at any time against the Owner for infringement or alleged infringement of any patent or patents involved in the work, and in case of an award of damages, the said Contractor shall pay such award; final payment to the Contractor by the Owner will not be made while any such suits or claims remain unsettled.

### **12. SCOPE AND INTENT OF SPECIFICATIONS AND PLANS**

#### 12.1 General

- 12.1.1 These Specifications and Project Plans are intended to supplement, but not necessarily duplicate each other, and together constitute one complete set of Specifications and Plans so that any work exhibited in the one and not in the other, shall be executed just as if it has been set forth in both, in order that the work shall be completed according to the complete design of the Engineer.
- 12.1.2 Should anything be omitted from the Specifications and Plans which is necessary to a clear understanding of the work, or should it appear various instructions are in conflict, then the Contractor shall secure written instructions from the Engineer before proceeding with the construction affected by such omissions or discrepancies. It is understood and agreed that the work shall be performed and completed according to the true spirit, meaning and intent of the Contract, Specifications and Plans.

#### 12.2 Figures Dimensions to Govern

- 12.2.1 Dimensions and elevations shown on the Plans shall be accurately followed, even though they differ from scaled measurements. No work shown on the Plans, the dimensions of which are not indicated, shall be executed until the required dimensions have been obtained from the Engineer.

## **REGULATIONS OF THE CONTRACT**

### 12.3 Contractor to Check Plans and Schedules

- 12.3.1 The Contractor shall check all dimensions, elevations and quantities shown on the Plans and schedules given to the Contractor by the Engineer, and shall notify the Engineer of any discrepancy between the Plans and the conditions on the ground, or any error or omissions in the plans, or in the layout as given by stakes, points, or instructions, which the Contractor may discover in the course of the work. The Contractor will not be allowed to take advantage of any error or omission in the Plans or Contract Documents, as full instructions will be furnished by the Engineer should error or omission be discovered, and the Contractor shall carry out such instructions as if originally specified.
- 12.3.2 The apparent silence of the Plans and Specifications as to any detail or the apparent omission from them of a detailed description concerning any point, shall be regarded as meaning that only the best general practices, as accepted by the particular trades or industries involved, shall be used.

## **13. SUPERVISION**

- 13.1 The Owner may appoint or employ (either directly or through the Engineer) such engineering inspectors as the Owner may deem proper, to inspect the materials furnished and the work performed under this Contract, and to see that the said materials are furnished, and the said work performed, in accordance with the Plans and Specifications therefore.
- 13.2 The Contractor shall furnish all reasonable aid and assistance required by the Engineer, or by the Supervisors or Inspectors, for the proper inspections and examination of the work and all parts therefore.
- 13.3 The Contractor shall regard and obey the directions and instructions of the Engineer, or by the Supervisors or Inspectors, for the proper inspection and examination of the work and all parts thereof.
- 13.4 The Contractor shall regard and obey the directions and instructions of the Engineer, or any Supervisor or Inspector so appointed, when the same are consistent with the obligations of this Contract and the Specifications therefore, provided, however, that should the Contractor object to any order given by any subordinate Engineer, Supervisor, or Inspector, the Contractor may make written appeal to the Engineer for his decision.
- 13.5 Engineering Inspectors, and other properly authorized representative of the Owner or Engineer shall be free at all times to perform their duties, and intimidation or attempted intimidation of anyone of them by the Contractor or by any of the

## REGULATIONS OF THE CONTRACT

Contractor's employees shall be sufficient reason, if the Owner so decides, to terminate the Contract.

- 13.6 Such inspection shall not relieve the Contractor from any obligation to perform said work strictly in accordance with the Plans and Specifications or any modifications thereof as herein provided, and work not so constructed shall be removed and made good by the Contractor at the Contractor's own expense, and free of all expense to the Owner, whenever so ordered by the Engineer, without reference to any previous oversight or error in inspection. Any defective material or workmanship may be rejected by the Engineer at anytime before the final acceptance of the work, even though the same may have been previously overlooked and estimated for payment.
- 13.7 Inspector shall have authority subject to the final decision of the Engineer to condemn and reject any defective work or material and to suspend the work when the same is not being properly done.
- 13.8 All condemned work shall be promptly taken out and replaced by satisfactory work; all condemned materials shall be promptly removed from the vicinity of the work. Should the Contractor fail or refuse to comply with instructions in this respect the Owner may, upon certification by Engineer, withhold payment or proceed to terminate Contracts as herein provided.
- 13.9 Re-examination of questioned work may be ordered by the Engineer, and if so ordered, the work must be uncovered by the Contractor. If such work be found done in accordance with the Contract Documents, the Owner shall pay the cost of re-examination and replacement. If such work be found not in accordance with the Contract Documents, the Contractor shall pay such cost, unless the Contractor shall show that defect in the work was caused by another Contractor of the Owner and in that event the Owner shall pay the cost.
- 13.10 The Contractor shall furnish samples for testing purposes of any material required by the Engineer, and shall furnish any information required concerning the nature or source of any material which the Contractor proposes to use. Laboratory tests are to be made as directed by the City Engineer and the cost to be paid by the Owner.
- 13.11 The Contractor waives any rights, claims, or causes of action against Owner as a result of activities or duties of the Engineer in the Engineer's administration of the Contract or representations made by the Engineer in the Plans and Specifications. The Contractor acknowledges any such rights, claims, or causes of action accrue against the Engineer and Contractor may seek redress from the Engineer in the event that becomes necessary.

## **REGULATIONS OF THE CONTRACT**

### **14. LINE AND GRADE**

- 14.1 All construction work shall be done to the lines and grades shown on the Plans. The Contractor will establish on the site horizontal and vertical control bench marks as shown on the Plans. Detailed survey and staking for location and grade of individual structures or other construction, as well as measurements and elevations within structures shall be performed by the Contractor.
- 14.2 For the construction of sewers, water lines, street and other types of lines or route work, the Engineer will establish on the site horizontal and vertical control bench marks, as shown on the Plans, with reference to dimensions thereto from which the work may be laid out by the Contractor.
- 14.3 Consult Special Conditions for any exceptions to above requirements concerning detailed survey and staking applying to this particular contract. In any case, all such detailed survey and stake out shall be checked by the Contractor who shall assume full responsibility for the accuracy and correctness thereof.
- 14.4 In all cases, the Contractor shall provide without extra compensation, competent workers and the necessary tools, and other materials required for proper checking of the work.
- 14.5 The Contractor shall without extra compensation furnish competent workers and the necessary tools to make all test holes and exploration required at anytime for the purpose of determining the location of existing structures beneath the ground surface which might conflict or interfere with this work.
- 14.6 The Contractor shall carefully preserve all monuments, reference points, stakes and bench marks set by the Engineer, and in case of destruction of same through carelessness or negligence on the part of the Contractor, he will be charged with the resulting expense of replacement and responsibility for any mistakes or loss of time caused thereby.

### **15. SUPERINTENDENCE**

- 15.1 The Contractor shall keep on the project, during its progress, a competent Superintendent and any necessary assistants, all satisfactory to the Engineer. The Superintendent shall represent the Contractor in the Contractor's absence and all directions given to the Superintendent shall be binding as if given to the Contractor.

The superintendent must provide his or her email address, cell phone number and pager number to Owner and Engineer and must be available to be contacted during all business hours, and outside of business hours in the event of an emergency. The superintendent must be fluent in all languages necessary to

## **REGULATIONS OF THE CONTRACT**

effectively communicate with Contractor's staff assigned to the Project, and with all Subcontractors, in order to supervise and direct the Work and assist emergency responders.

- 15.2 The Contractor shall provide proper tools and equipment and the services of all workers, mechanics, trades people, and other employees necessary in the construction and execution of the work contemplated and outlined herein. The employees of the Contractor shall be competent and willing to perform satisfactorily the work required of them. Any employee who is disorderly, intemperate or incompetent or who neglects or refused to perform his work in a satisfactory manner, shall upon the request of the Engineer, be promptly discharged from the Project and shall not be re-employed except with the Engineer's consent.
- 15.3 It is called particularly to the Contractor's attention that only first class workmanship will be acceptable.

### **16. PROTECTION OF WORK**

- 16.1 The Contractor shall continuously maintain adequate protection of all the Contractor's work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract. The Contractor shall make good any such damage, injury or loss, except such as may be directly due to errors in the Contract Documents or caused by agents or employees of the Owner. The Contractor shall adequately protect adjacent property as provided by law and the Contract Documents. The contractor shall Provide and maintain all passage ways, guard fences, lights and other facilities for protection required by public authority of local conditions.
- 16.2 In an emergency affecting the safety of life or of the work or of adjoining property, the Contractor without special instruction or authorization from the Engineer, is hereby permitted to act at the Contractor's discretion to prevent such threatened loss or injury, and the Contractor shall so act, without appeal, if so instructed or authorized. Any compensation, claimed by the Contractor on account of emergency work, shall be determined by agreement or arbitration, or litigation, as determined at the sole discretion of the Owner.
- 16.3 Whenever, in the opinion of the Engineer, the Contractor has not taken sufficient precaution for the safety of the public or the protection of the work to be constructed under this Contract, or of adjacent structures or property which may be injured by the processes of construction on account of such neglect, and whenever, in the opinion of the Engineer, an emergency shall arise and immediate action shall be considered necessary in order to protect the public or private, personal or property interest, then the Engineer, with or without notice to the Contractor, may provide suitable protection to the said interest by causing such

## **REGULATIONS OF THE CONTRACT**

work to be done and material to be furnished and placed as the Engineer may consider necessary and adequate.

- 16.4 The cost and expense of such work and material so furnished shall be borne by the Contractor, and, if the same shall not be paid on presentation of the bills therefore, such costs shall be deducted from any amounts due or to become due the Contractor. The performance of such emergency work under the direction of the Engineer shall in no way relieve the Contractor of responsibility for damages which may occur during or after such precaution has been duly taken by the Engineer.

### **17. SAFETY REGULATIONS**

- 17.1 Notwithstanding any other provisions to the contrary, the Contract Documents shall be subject to the applicable provisions of the Williams-Steiger Occupational Safety and Health Act of 1970, Public Law 91-596, 84 Stat. 1590, 29 U.S.C. §§ 651 - 678; and Iowa Code Chapter 88; and all lawful regulations and rules pursuant thereto.

### **18. MATERIALS AND WORKMANSHIP**

- 18.1 The Contractor hereby guarantees the work in connection with this Contract against faulty materials or poor workmanship during the period of time, as set out in the Notice after the date of completion and acceptance of the Contract.
- 18.2 The Contractor warrants to the Owner that materials and equipment furnished under the Contract will be new, merchantable, of good quality, and that the Work will be free from defects, and that the Work will conform to the Contract Documents.
- 18.3 The Contractor warrants to the Owner that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the workmanship will be free from defects not inherent in the quality required or permitted, that the workmanship will comply with all applicable laws, building codes, rules and regulations, and that the workmanship will conform to the requirements of the Contract Documents.

### **19. SHOP DRAWINGS**

- 19.1 The Contractor shall furnish the Engineer with duplicate copies of all shop and erection Drawings for preliminary approval. These Drawings shall include the Drawings prepared on structural and reinforcing steel, special layout, Drawings of equipment or machinery purchased under this Contract, and any other supplementary Drawings required in the prosecution of the work. One copy shall be returned to the Contractor for correction and one copy retained by the Engineer

## **REGULATIONS OF THE CONTRACT**

for office reference. After correction, the Contractor shall submit five (5) corrected copies to the Engineer for final approval and distribution to all interested parties. No material or equipment shall be used or installed until such formal approval is received by the Contractor.

19.2 The purpose of having shop and erection Drawings checked and approved by the Engineer are two-fold:

19.2.1 To assure the compliance with the purpose and intent of the Plans and Specifications.

19.2.2 To assist the Contractor in interpreting the Plans and Specifications so as to eliminate mistakes in the material or equipment actually shipped to the site of the work.

19.3 The formal approval given to the Contractor is to be considered as in compliance with these purposes and in no manner shall be construed so as to relieve the Contractor from any liability or responsibility for proper construction or compliance with the Plans and Specifications.

### **20. USE OF COMPLETED WORK**

20.1 The Owner shall have the right to take possession of and use any completed or partially completed portions of the work, notwithstanding the time for completing the entire work or such portions as may not have expired; but such taking, possession and use shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents.

### **21. CHANGED WORK**

21.1 The Owner, without invalidating the Contract, may order additional work to be done in connection with the Contract, or may alter or deduct from the work, the contract sum to be adjusted accordingly. All such work shall be executed under the conditions of the original Contract and subject to the same inspection and test as though therein included.

21.2 Provided, however, that any additional, omitted or changed work shall not be ordered, undertaken or commenced until after the consent has been obtained in writing of the Contractor's construction surety bonds persons, except minor changes not inconsistent with the general purpose of the Contract not involving costs or substitution of materials.

21.3 The Owner shall have authority, by verbal instructions, to make minor changes in the work, not involving cost, and not inconsistent with the purposes of the work. Otherwise, except in an emergency endangering life or property, all extra work or changes shall be done as ordered in writing by the Owner, which order shall state the location, character, amount, and method of compensation. No extra work or

## REGULATIONS OF THE CONTRACT

change shall be made unless in pursuance of such written order by the Owner, and no claim for an addition to the Contract sum shall be valid unless so ordered. The adjustment to the Contract sum for any such extra work or change shall be determined in one or more of the following ways:

- 21.3.1 By a Lump Sum Price agreed upon prior to starting the additional or changed work.
  - 21.3.2 By Unit Prices named in the Proposal or as agreed upon prior to starting the additional or changed work.
  - 21.3.3 By cost plus a fixed fee, the latter agreed upon prior to starting the additional or changed work.
  - 21.3.4 By cost plus percentage, the latter agreed upon prior to starting the additional or changed work.
- 21.4 “Cost” in methods (21.3.3) and (21.3.4) shall include all labor, materials, power, fuel and rental on major items of equipment. The Contractor shall keep and present in such forms as the Engineer may direct, a correct account of the several items of cost together with vouchers. This definition and requirement applies equally to work done by Subcontractors.
- 21.5 Under method (21.3.4), compensation or adjustment for work done by Subcontractors shall be computed on the same basis as if done by the Contractor except that ten percent (10%) shall be added to the amount or charged by the Subcontractor.
- 21.6 The above percentages shall be understood to include all other costs and compensation such as insurance, small tools, superintendence, office and other overhead costs and profit. Rental on equipment shall be charged against the additional or changed work only for the actual time which the equipment is used specifically thereof, and will be charged according to the current schedule of the Associated General Contractors of America, whether owned or rented by the Contractor. Transportation charges necessarily incurred in connection with equipment authorized by the Engineer for use on the extra work which is not already on the job will be charged.
- 21.7 Changed work shall be adjusted considering separately the parts of the work added and the parts omitted. Amount of adjustment for parts omitted shall be estimated at time omission of work is authorized and the agreed adjustment will be deducted from final quantities.
- 21.8 Statements for additional or changed work shall be rendered by the Contractor not later than fifteen (15) days after the completion of each assignment of additional

## **REGULATIONS OF THE CONTRACT**

or changed work and if found correct will be approved by the Engineer and submitted for payment with the final quantities.

- 21.9 The Owner reserves the right to Contract with any person or firm other than the Contractor for any or all extra work. The Contractor's attention is especially called to the fact that he shall be entitled to no claim for damages for anticipated profits on any portion of the work that may be omitted.
- 21.10 In Unit Price Contracts the total quantity of work may be adjusted upward or downward by the Owner, to the extent that the final Contract price is between 80 and 120 percent of the original estimated Contract price. Amounts of individual items may be varied to any extent and individual items may be omitted entirely as long as the above limits are met. In the event that the total quantity of work is adjusted upward or downward beyond the above limits, that portion of the work beyond said limits may be performed at the original Contract unit prices if agreed by the Owner and the Contractor, or otherwise, shall be handled in accordance with the provisions stated previously in this article.

### **22. DISPUTED CLAIMS**

- 22.1 In any case where the Contractor deems that extra compensation is due the Contractor for work material not clearly covered in the Contractor's Contract and not ordered by the Engineer as extra work as defined herein, the Contractor shall notify the Engineer in writing of the Contractor's intention to make claim for such extra compensation before the Contractor begins the work on which the contractor bases the Contractor's claim.
- 22.2 In either case, if such notification is not given, or if after such notification is given, the Engineer is not afforded facilities for keeping strict account of actual costs as defined for force-account construction, the Contractor thereby agrees to waive the claim for extra compensation for such work. Such notice by the Contractor, and the fact that the Engineer has kept account of the cost as aforesaid, shall not be construed as establishing the validity of the claim. The claim, when filed, shall be in writing and in sufficient detail to permit auditing and an intelligent evaluation by the Owner. The claim shall be supported by such documentary evidence as the claimant has available and shall be verified by affidavit or the claimant or other persons having knowledge of the facts. In the event the claimant wishes an opportunity to present his claim in person, then the claim shall be accompanied by a written request to do so. Where the claimant asks an opportunity to present the claimant's claim in person, the Owner, within thirty (30) days of filing of the claim, shall fix a time and place for a meeting between the claimant, the Owner, or its designated representative or representatives. The Owner shall, within a reasonable time from the filing of the claim or the meeting above referred to, whichever is later, rule upon the validity of the claim and notify the claimant, in writing, of its ruling together with the

## **REGULATIONS OF THE CONTRACT**

reasons thereof. In case the claim is found to be just, in whole or in part, it shall be allowed and paid to the extent so found.

- 22.3 Any claim of the Contractor denied in whole or in part by the Owner or Engineer may be submitted to arbitration as set forth in Article 32.

### **23. SUSPENSION OF WORK**

- 23.1 The Owner may at anytime without cause suspend the work or any part thereof by giving ten (10) days written notice to the Contractor. The work shall be resumed by the Contractor within ten (10) days after the date fixed in the written notice from the Owner to the Contractor to do so. Failure of the Contractor to maintain the policies of insurance as required by Section 6 shall constitute a substantial violation of the Contract and the Owner shall have the right to suspend and/or terminate the Contract in accordance with Section 25.
- 23.2 If the work or any part thereof, shall be stopped by the notice in writing aforesaid, and if the Owner does not give notice in writing to the Contractor to resume within a reasonable period of time, then the Contractor may abandon that portion of the work so suspended, and he will be entitled to the estimated payments for all work done on the portions abandoned, if any.

### **24. OWNER'S RIGHT TO DO WORK**

- 24.1 If the Contractor should be adjudged bankrupt, or if the Contractor should make a general assignment for the benefit of the Contractor's creditors, or if a receiver should be appointed on account of the Contractor's insolvency, or if the Contractor should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to supply enough properly skilled workers or proper materials, or if the Contractor should fail to make prompt payments to subcontractors or for material or labor, or persistently disregard laws, ordinances or instructions of the Engineer, or otherwise be guilty of a substantial violation of any provision of the Contract, then the Owner, upon the certificate of the Engineer that sufficient cause exists to justify such action, may without prejudice to any other right or remedy and after giving the Contractor seven (7) days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method the Engineer may deem expedient.
- 24.2 In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as

## **REGULATIONS OF THE CONTRACT**

herein provided and damage incurred through the Contractor's default, shall be certified by the Engineer.

- 24.3 Pending arbitration, litigation, or settlement of disputes on any point of controversy the Engineer may suspend action on all or any part of the work. The Contractor shall not be entitled to any claim for loss or damage by reason of such delay nor shall he be entitled to extension of time although such extension of time may be granted by the Engineer if the Engineer deems it in the interest of the work.

### **25. CONTRACT TERMINATION**

- 25.1 If the Contractor should be adjudged bankrupt, or if he should make a general assignment for the benefit of the Contractor's creditors, or if a receiver should be appointed on account of the Contractor's insolvency, or if the Contractor should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to supply enough properly skilled workers or proper materials, or if the Contractor should fail to make prompt payment to subcontractors or for material or labor, or persistently disregard laws, ordinances or instructions of the Engineer, or otherwise be guilty of substantial violation of any provision of the contract, then the Owner, upon the certificate of the Engineer that sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor seven (7) days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and finish the work by whatever method the Engineer may deem expedient.
- 25.2 In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as herein provided and the damage incurred through the Contractor's default, shall be certified by the Engineer.
- 25.3 Pending arbitration, litigation, or settlement of disputes on any point of controversy, the Engineer may suspend action on all or any part of the work. The Contractor shall not be entitled to any claim for loss or damage by reason of such delay nor shall the Contractor be entitled to extension of time although such extension of time may be granted by the Engineer if the Engineer deems it in the interest of the work.

## **REGULATIONS OF THE CONTRACT**

### **26. CONTRACTOR'S RIGHTS**

26.1 If the work should be stopped under an order of any court, or other public authority, for a period of three (3) months, through no act or fault of the Contractor or of anyone employed by the Contractor, or if the Engineer should fail to issue any estimate for payment within fourteen (14) days after it is due, or if the Owner should fail to pay the Contractor within thirty (30) days of its maturity and presentation any sum certified by the Engineer, then the Contractor, may file a claim in accordance with Article 32 of this Contract.

### **27. TIME OF COMPLETION**

27.1 The Contract shall be completed within the time stated in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING subject to such extensions as may from time to time be allowed the Contractor by the Owner as hereinafter provided.

### **28. DELAYS**

28.1 The Contractor expressly covenants and agrees that in undertaking to complete the work within the time herein fixed, the Contractor has taken into consideration and made allowances for all of the ordinary delays and hindrances incident to such work, whether growing out of delays in securing materials or workers, reasonably anticipatable weather, or otherwise. Should the Contractor, however, be delayed in the prosecution and completion of the work by reason of delayed shipment orders, abnormal weather, or by any changes, additions, omissions therein ordered in writing by the Owner, through no fault of the Contractor (or by the abandonment of the work by the workers engaged thereon), or by any act taken by the U.S. Government such as the commandeering of labor, or materials, embargoes, etc., which would affect the fabrication or delivery of materials and/or equipment to the work; or by neglect, delay or default of any other contractor of the Owner, or delays caused by court proceedings; the Contractor shall have no claims for damages for any such cause or delay; but shall in such cases be entitled to such extension of the time specified for the completion of the work as the Owner shall award in writing on account of such delays, provided, however, that claim for such extension of time is made by the Contractor to the Owner in writing with one (1) week from the time when any such alleged cause for delay shall occur.

### **29. PAYMENTS**

29.1 Payment for said improvement will be made in accordance with the terms and conditions as set forth in the published NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.

## REGULATIONS OF THE CONTRACT

29.2 The Contractor shall reimburse the Owner for any Architect's additional services or attorney's fees made necessary by the Contractor's failure to finally complete the Work within sixty (60) days after the date specified in the Contract Documents for Project Substantial Completion.

29.3 Request for Early Release of Retainage Funds:

Upon achieving Substantial Completion, as defined by Iowa Code Chapter 26, the Contractor may formally request the release of all or part of the retainage funds being held on the Project. The Contractors' request for Release of the Retainage Funds shall be accompanied by a sworn statement that ten (10) calendar days prior to filing the Request for Release of the Funds a notice was given to all known subcontractors, sub-subcontractors and suppliers that the Contractor is requesting the early release of retainage funds. If proper documentation is received from the Contractor, the Owner will release all retainage funds at the next monthly Board meeting or within thirty (30) days, whichever is less, except it may retain the following:

- a) An amount equal to 200% of the value of labor or materials yet to be provided on the Project as determined by the Owner and its authorized contract representative. For purposes of this section, "authorized contract representative" means the Engineer of record on the Project, unless otherwise specified.
- b) An amount equal to 200% of the value of any Chapter 573 claims currently on file at the time the Request for Release of Retainage is approved.

If the Owner withholds an amount from the retainage payment to the Contractor, the Owner will provide a reason the request is being denied to the Contractor within thirty (30) calendar days of the receipt of the request.

### 30. PAYMENTS WITHHELD

30.1 The Owner may withhold or, on account of subsequently discovering evidence, nullify the whole or a part of any certificate to such an extent as may be necessary to protect himself from loss on account of:

- 30.1.1 Defective work not remedied.
- 30.1.2 Claims filed or reasonable evidence indicating a probable filing of claims.
- 30.1.3 Failure of the Contractor to make payments properly to Subcontractors or for material or labor.
- 30.1.4 A reasonable doubt that the Contract can be completed for the balance then unpaid.

## **REGULATIONS OF THE CONTRACT**

30.1.5 Damage to another Contractor.

30.1.6 Any other violation of or failure to comply with the provisions of this Contract.

### **31. SALES TAX**

31.1 The Contractor shall prepare, (and require all his Subcontractors to prepare), and execute the Iowa Contractor's Statement showing all sales and use taxes paid on material entering permanently into the construction of the Project. This report shall be submitted to the City Clerk immediately upon completion of the work or at any other interval of time as may be necessary, in order that the City may timely apply to the Iowa Department of Revenue for their refund.

### **32. REMEDIES**

32.1 Subject to any submission and notice provisions contained in the Contract Documents, including those in Articles 22 and 28, which shall be conditions precedent to a request for arbitration, all controversies and claims between the parties may be submitted to arbitration, at the sole discretion of the Owner. If the Owner refuses to allow arbitration of a controversy or claim, then the parties agree and consent to the jurisdiction of the Iowa District Court for Boone County.

32.2 During such time as any dispute is the subject of a demand for arbitration or a lawsuit, the contract terms shall remain in force and work shall continue as directed by the Owner or Engineer. Failure of the Contractor to continue to work as directed shall constitute a waiver by the Contractor of its claim.

32.3 All disputes allowed by the Owner to be submitted to arbitration shall be decided in accordance with the Construction Industry Arbitration Rules of American Arbitration Association ("AAA").

32.4 A written demand for arbitration shall be filed with the American Arbitration Association office in Minneapolis, Minnesota and with the other party within a reasonable time after the date of final payment to the Contractor by the Owner or after the expiration of thirty days from the rendering of a written decision by the Engineer, whichever earlier occurs.

32.5 Notwithstanding the Rules of the AAA, the arbitration panel shall consist of three persons. The Owner and the Contractor shall each appoint an arbitrator and the third shall be appointed by agreement of the appointees of the Owner and Contractor.

## **REGULATIONS OF THE CONTRACT**

- 32.6 The arbitrators' award shall contain findings of fact and conclusions of law. The award shall be final, binding and conclusive as to findings of facts in accordance with the applicable arbitration law, but shall be reviewable for errors of law.
- 32.7 Nothing contained herein shall increase or otherwise expand the Owner's obligation to pay the Contractor other than documented and audited cases in accordance with the Owner's rules and regulations, regarding cost or pricing data and analysis and cost principles.
- 32.8 In the event the Owner should prevail in any legal action arising out of the performance or non-performance of this Contract, the Contractor shall pay, in addition to any damages, all expenses of such action including reasonable attorney's fees, all expert witness fees, costs, and litigation expenses incurred by the Owner, including those incurred on appeal. The term "legal action" shall be deemed to include any arbitration, administrative proceedings, and all actions at law or in equity, including appeals.



**SUPPLEMENTAL REGULATIONS**

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IOWA**

**PROJECT NO. 15B003.01**

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**1. PURPOSE**

1.1 SUPPLEMENTAL REGULATIONS are intended to clarify, supplemental or supersede REGULATIONS OF THE CONTRACT.

**2. LOCATION**

2.1 All work is located within the City of Boone, Iowa, in easements on private property and on property owned by the City of Boone.

**3. COPIES OF PLANS AND SPECIFICATIONS**

3.1 After award of the contract, the Engineer will furnish the Contractor up to five (5) set of Plans and Specifications. Additional copies will be furnished at the Engineer's cost of reproduction.

**4. PAYMENT**

4.1 Separate payment will be made for only those items specially listed in the Proposal. All other work shall be paid for by applicable Unit Prices for items to which work pertains.

**5. FINAL REVIEW AND ACCEPTANCE**

5.1 Notify Engineer when construction is considered complete and ready for Final Review.

5.2 Owner will accept work and make final payment to Contractor:

5.2.1 When the Engineer has certified the work of the Contractor has been reviewed and stated that the work is complete and in essential compliance with the Plans and Specifications;

## **SUPPLEMENTAL REGULATIONS OF THE CONTRACT**

- 5.2.2 When Contractor has filed with Owner or Engineer documents called for in Specifications;
- 5.2.3 When all government agencies involved have indicated, in writing that the work is complete and acceptable; and
- 5.2.4 Contractor to provide Chapter 573 Claim Waivers for all materials supplied and labor provided on the Project.

### **6. SALES TAX**

- 6.1 In-lieu of Paragraph 31.1, Sales Tax, of the Regulations of the Contract, the Contractor will utilize a sales tax exemption certificate (provided by the City) for all materials purchased for incorporation in the project.

## SPECIAL CONDITIONS

### CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET BOONE, IOWA

PROJECT NO. 15B003.01

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#### **1. FORM OF TECHNICAL SPECIFICATIONS**

- 1.1 Omissions of words or phrases such as “the Contractor shall”, “in accordance with”, “shall be”, “as noted on the Plans”, “according to the Plans”, “a”, “an”, “the”, and “all” are intentional, supply omitted words or phrases by inference.
- 1.2 “Owner”, and “City” shall mean the City of Boone, Iowa, acting through the City Council.
- 1.3 “Person” shall mean any individual, partnership, limited partnership, joint venture, society, association, joint stock company, corporation, limited liability company, estate, receiver, trustee, assignee, or referee, whether appointed by a court or otherwise, and any combination of individuals.
- 1.4 “Engineer” shall mean the City of Boone City Engineer or designated agent.
- 1.5 “Standard Drawings” shall mean Construction Detail Drawings bound with these Specifications.
- 1.6 “Work” shall mean the work to be done and the equipment, supplies, and materials to be furnished under the contract unless some other meaning is indicated by the context.
- 1.7 “Or equal” shall follow manufacturers names used to establish standards and, if not stated, is implied.

## **SPECIAL CONDITIONS**

### **2. NOTICE TO PROCEED**

2.1 The Contractor shall proceed with the work and in the time set forth according to the conditions as outlined in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING upon issuance of a written Notice to Proceed.

### **3. SERVICE FACILITIES**

3.1 The Contractor will be required to make arrangements for all services required during the construction period and pay for such services at no additional cost to the Owner.

### **4. MINOR WORK**

4.1 Any minor work not specifically mentioned in the Specifications as shown on the Plans but obviously necessary for the proper completion of the work shall be considered as being a part of and included in the contract and shall be executed in the proper manner and the Contractor shall not be entitled to extra or additional compensation for the same.

### **5. WASTE SITES**

5.1 All waste material shall be hauled to a site of the Contractor's choice with the Engineer's approval or the Boone County Sanitary Landfill. Disposal costs will be included in the Contract Cost and not paid by the City as a separate item.

### **6. WORKING DAYS**

6.1 Except for such work as may be required to properly maintain lights and barricades, no work will be permitted on Sundays or legal holidays without specific permission of the Engineer.

### **7. CONSTRUCTION FACILITIES BY CONTRACTOR**

7.1 Provide a telephone, attended at all times during the working day; provide liaison between telephone and construction personnel for expeditious handling of messages.

7.2 Provide suitable storage buildings necessary for proper storage of materials and equipment.

7.3 Location of all construction facilities, including Project construction plant and yard, subject to approval by Engineer; remove all construction facilities upon completion of work.

## **SPECIAL CONDITIONS**

- 7.4 Provide and maintain suitable sanitary facilities for construction personnel for duration of work; remove upon completion of work.
- 7.5 Provide fences, barricades, and/or watch persons to prevent access of unauthorized persons to site where work is in progress
- 7.6 Provide telephone number(s) at which responsible representatives of Contractor can be reached evenings, weekends and holidays.

### **8. SOIL BORINGS**

- 8.1 No soil borings for this project.
- 8.2 Obtain permission of Engineer to make borings along proposed route of work.

### **9. CONSTRUCTION ON HIGHWAY RIGHT-OF-WAY**

- 9.1 All work in Right-of-Way of State and Federal Highways must comply with requirements of Iowa Department of Transportation.

### **10. EMPLOYMENT PRACTICES**

- 10.1 Neither the Contractor nor his Subcontractors, shall employ any person whose physical or mental condition is such that this employment will endanger the health and safety of himself or others employed on the Project.
- 10.2 The Contractor shall not commit any of the following employment practices and agrees to include the following clauses in any Subcontracts:
  - 10.2.1 To discharge from employment or refuse to hire any individual because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.
  - 10.2.2 To discriminate against any individual in terms, condition, or privileges of employment because of sex, race, color, religion, national origin, sexual orientation, marital status, age, or disability unless such disability is related to job performance of such person or employee.

### **11. WORK HOURS**

- 11.1 The Contractor will be required to limit the Contractor's work hours on the Project from 7:00 a.m. to 9:00 p.m., Monday through Friday unless noted on plans. Should equipment be used which is excessively noisy and distressing to area residents, the Engineer reserves the right to limit hours of operation from 8:00 a.m. to 7:00 p.m. Prior approval from the Engineer will be required for work on weekends.

## **SPECIAL CONDITIONS**

### **12. DUST ABATEMENT**

- 12.1 The Contractor shall make a reasonable effort to assure dust does not become a problem. The Engineer reserves the right to stop Contractor's operations whenever dust becomes a problem on the Project and direct the Contractor to revise operations to solve the dust problem. It is realized some dust on the Project is inevitable, but it must be kept to a minimum.

### **13. WATER USAGE**

- 13.1 The City of Boone Water Works will provide the Contractor water on the Project free of charge, with the following requirements:
- 13.1.1 The water is to be metered and the Contractor must obtain the meter from the Boone Water Works and a refundable meter deposit is required.
  - 13.1.2 The Contractor will abide by rules and regulations of bulk water usage as prepared by Boone Water Works.
  - 13.1.3 The Contractor will only use hydrants that have been previously approved by the Boone Water Works for bulk water usage.
  - 13.1.4 The Contractor shall not use water from private residential or business hose bibs, without the written consent of the private owner. Any such agreements must be filed with the Engineering prior to water usage.

### **14. QUANTITIES**

- 14.1 The Contractor is to realize some of the quantities on this Project are best estimates and may vary from actual conditions at time of construction of the Project. Quantities must be regarded as approximate only, and are given as a guide to the Bidder and for comparison of Bids. The City reserves the right to increase or diminish these quantities within reasonable limits and the Contractor will be paid for only as much work as the contractor is required to do by the City at the unit price stated in the Proposal. City reserves the right to remove bid items in entirety at the City's discretion.

## PLAN LIST

### CRAWFORD STREET RECONSTRUCTION 14TH STREET TO 17TH STREET BOONE, IOWA

PROJECT NO. 15B003.01

#### 1. PLANS

- 1.1 The work shall conform to the following Drawings (bound herewith) and Detail and Standard Drawings (bound herewith), all of which constitute the "Plans" and are an integral part of the Contract Documents.

<u>TITLE</u>	<u>Drawing Number</u>	<u>Revision Number</u>
TITLE SHEET	A.01	
LEGEND & SYMBOL INFORMATION SHEET	A.02	
TYPICAL CROSS SECTIONS	B.01-B.12	
ESTIMATE OF QUANTITIES AND GENERAL INFORMATION	C.01-C.06	
PLAN AND PROFILE SHEETS-MAINLINE	D.01-D.03	
PLAN AND PROFILE SHEETS-SIDEROADS	E.01-E.02	
EROSION CONTROL SHEETS	EC.01-EC.03	
REFERENCE TIES AND BENCHMARKS	G.01	
STAGING AND TRAFFIC CONTROL SHEETS	J.01-J.05	
PAVEMENT MARKING SHEETS	J.06	
GEOMETRICS, STAKING, AND JOINTING SHEETS	L.01-L.08	
STORM SEWER PROFILES	M.01-M.09	
PEDESTRIAN RAMP STAKING SHEETS	SW.01-SW.10	
CROSS-SECTIONS-MAINLINE	W.01-W.07	
CROSS-SECTIONS-DRIVEWAYS	XS.01-XS.02	



**DETAILED SPECIFICATIONS  
GENERAL REQUIREMENTS**

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IOWA**

**PROJECT NO. 15B003.01**

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**1. FORM**

- 1.1 Detailed Specifications are in outline form and include incomplete sentences. Omission of words or phrases is intentional. Supply omitted words or phrases by inference.

**2. INTENT**

- 2.1 To set forth requirements of performance, type of equipment or structure desired, and standards of materials and construction.
- 2.2 To describe work set out in Contract Documents, unless otherwise specifically indicated.
- 2.3 To required performance of complete work in spite of omission of specific reference to any minor component parts.
- 2.4 To provide for new materials and equipment, unless otherwise indicated.

## **GENERAL REQUIREMENTS**

### **3. INTERPRETATION**

- 3.1 Report errors or ambiguities in Specifications to Engineer as soon as detected; Engineer will answer questions regarding and interpret intended meaning of Specifications; Engineer's interpretation shall be accepted as final.

### **4. WORK INCLUDED**

- 4.1 Construct Improvements as set out in NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.

### **5. STARTING AND COMPLETION TIMES**

- 5.1 Start work within 10 calendar days after date set forth in written Notice to Proceed. It is anticipated that the Notice to Proceed will be issued within 30 calendar days after the award of contract. Complete work within the time set out in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.

### **6. INFORMATION FOR ENGINEER**

- 6.1 After award of Contract submit following information and drawings for Engineer's review. Total number of reviewed copies required for distribution: four (4) and all copies required by Contractor.
  - 6.1.1 Manufacturer's Specifications and catalog data for manhole steps, covers and frames, castings, and other special items.
  - 6.1.2 Shop Drawings showing reinforcing steel details, structural steel and supports.
  - 6.1.3 Such other information as Engineer may request.
- 6.2 Within 15 days after award of contract, provide construction schedule showing dates of starting and completing various portions of work. After initiation of construction, provide bi-weekly written report of construction schedule for following 2-week period.
- 6.3 Provide two (2) copies of the following information:
  - 6.3.1 Purchase orders without prices and subcontracts with prices.
  - 6.3.2 Shipping papers for all material.
  - 6.3.3 All material test reports.
  - 6.3.4 Concrete mix design; submit 8 days before proposed mix is to be used.

## GENERAL REQUIREMENTS

### 7. PLANS AND SPECIFICATIONS

- 7.1 Engineer will furnish up to five (5) sets of Plans and Specifications after award of Contract. Contractor shall compensate Engineer for printing costs for additional copies required.
- 7.2 Subcontractors and suppliers will be furnished copies of Plans and Specifications only at request of Contractor. Engineer will be compensated for printing costs by Contractor.
- 7.3 Provide one (1) set of Plans and Specifications for each foreman or superintendent in charge of each crew on job.

### 8. STANDARDS AND CODES

- 8.1 Do work in accordance with best present-day installation and construction practices.
- 8.2 Conform with and test materials in accordance with applicable sections of latest revisions or tentative revisions of following codes and standards unless specifically noted to the contrary.
  - 8.2.1 American Association of State Highway and Transportation Officials (AASHTO).
  - 8.2.2 American Concrete Institute (ACI).
  - 8.2.3 American Institute of Steel Construction (AISC)
  - 8.2.4 American National Standards Institute (ANSI).
  - 8.2.5 American Society of Testing and Materials (ASTM).
  - 8.2.6 American Water Works Association (AWWA).
  - 8.2.7 American Standards Association (ASA)
  - 8.2.8 American Welding Society (AWS).
  - 8.2.9 Federal Specifications (FS).

## GENERAL REQUIREMENTS

- 8.2.10 Iowa Statewide Urban Design and Specifications (SUDAS); 2015 edition of SUDAS Standard Specifications including the current General Supplemental Specification for Construction Projects issued thru 2015, except as follows:
- a. Division 1, General Provisions and Covenants shall not apply to this project. See specification sections “Regulations of the Contract” and “Supplemental Regulations” attached herein.
  - b. In case of conflict between SUDAS Standard Specifications and this specification manual for this project, specification manual shall govern.
- 8.2.11 Iowa Department of Transportation (IDOT); 2012 edition of Standard Specifications for Highway and Bridge Construction including the current General Supplemental Specification for Construction Projects issued through the Contract date, except as follows:
- a. Division 11, General Requirements and covenants shall not apply to this project. See specification sections “Regulations of the Contract” and “Supplemental Regulations” attached herein.
  - b. In case of conflict between IDOT Standard specifications and the Project Manual for this project. The Project Manual shall govern.
  - c. Incentives for smoothness of pavement will not be paid. All other provisions of Section 2316 Pavement Smoothness shall apply.
  - d. Payment in excess of 100% of bid unit price based on Quality Index will not be made for PCC pavement.
- 8.2.11 Iowa Occupational Safety and Health Act of 1972 (Iowa Code Chapter 88)(IOSHA).
- 8.2.12 Manual of Accident Prevention in Construction by Associated General Contractors of America, Inc. (AGC).
- 8.2.13 Occupational Safety and Health Act of 1970 (Public Law 91-596; 29 U.S.C. §§ 651 - 678) (OSHA).
- 8.2.14 Manual on Uniform Traffic Control Devices (MUTCD).
- 8.2.15 American Disabilities Act (ADA)
- 8.2.16 Standards and Codes of the State of Iowa and applicable local standards and codes of the City of Boone and Boone County.
- 8.2.17 Other standards and codes which may be applicable to acceptable standards of the industry for equipment, materials and installation under the Contract.

## GENERAL REQUIREMENTS

### 9. MATERIALS TESTS

- 9.1 Includes all materials tests or tests specified hereinafter.
- 9.2 Employ testing laboratory approved by Engineer to show that construction materials comply with Specifications.
- 9.3 Incorporate no materials in work until laboratory tests have been furnished which show that materials comply with Specifications.
- 9.4 All materials subject to sampling, testing, inspection and rejection at site by Engineer.
- 9.5 Incorporate no material in work until laboratory tests have been furnished which show materials comply with specification.
- 9.6 Laboratory tests for materials:
  - 9.6.1 Reinforced concrete pipe: Test two (2) pieces of each diameter of each class furnished; check reinforcing size and placement; ASTM C76.
  - 9.6.2 Vitrified clay pipe: Test two (2) pieces of each diameter furnished, ASTM C301.
  - 9.6.3 Ductile iron pipe: Certify that pipe conforms to ANSI A21.51.
  - 9.6.4 Steel pipe: Certify that pipe conforms to ASTM A53.
  - 9.6.5 Other pipe: Certify that pipe conforms to applicable Specifications.
  - 9.6.6 Cement: Bin sample for entire requirement, ASTM C150.
  - 9.6.7 Concrete aggregates: One (1) sample of each, ASTM C33.
  - 9.6.8 Reinforcing steel: Furnish original and one copy of certified test report by manufacturer.
  - 9.6.9 Welded wire fabric: Furnish original and one copy of certified test report by manufacturer.

### 10. FIELD TESTS

- 10.1 Notify Engineer when installation is complete and ready for testing.
- 10.2 Engineer will retain testing laboratory and conduct all field tests and determine location of tests.

## **GENERAL REQUIREMENTS**

- 10.3 If test results do not meet those specified, make necessary corrections and repeat tests to demonstrate that test requirements are satisfied.

### **11. RESPONSIBILITY OF CONTRACTOR**

- 11.1 Protection of the work.
- 11.2 Protection of all property from injury or loss resulting from his operations.
- 11.3 Replace or repair objects sustaining any such damage, injury or loss to satisfaction of Owner and Engineer.
- 11.4 Cooperate with Owner, Engineer and representative utilities in locating underground utility lines and structures. Incorrect, inaccurate, or inadequate information concerning location of utilities or structures shall not relieve Contractor of responsibility for damage thereto caused by his operations.
- 11.5 Keep cleanup current.
- 11.6 Comply with all Federal, State of Iowa, Boone County and City of Boone Laws and Ordinances.
- 11.7 Keep existing sewers in continuous operation without bypassing.

### **12. TEMPORARY WORK**

- 12.1 Make all temporary service connections necessary for maintaining utility service during the course of the work.
- 12.2 Construct temporary drains to keep work in the dry; maintain new improvements as directed by Engineer.
- 12.3 Construct temporary asphalt surfaces as directed, in order to enhance traffic control.
- 12.4 Construct temporary granular surfaces as directed, in order to maintain access to each property within the project limits.

### **13. TRAFFIC CONTROL**

- 13.1 Erect and maintain barricades and lights and/or provide watchmen for protection and warning of pedestrians and vehicles. All barricades, lights and/or watchmen at expense of Contractor. Maintenance shall include sign washing as required by the Engineer.

## GENERAL REQUIREMENTS

- 13.2 Location and arrangement: Conform to Ordinances, Laws and MUTCD; meet approval of Owner and Engineer.
- 13.3 Responsibility: Maintain, control, and protect traffic within construction area including side street crossings, temporary run-arounds, use of one or more lanes and related operations and detours outside construction area.
- 13.4 Closing or partially closing streets: Close or restrict traffic in streets only with permission of Engineer; provide for maximum safety and convenience of public; open street when work is complete or as directed by Engineer. Access to private property must be maintained during construction.
- 13.5 Emergency traffic: Provide continuous access for police, fire and emergency vehicles.
- 13.6 Take every precaution to protect pedestrian and vehicle traffic.

### **14. REMOVAL AND REPLACEMENT OF IRRIGATION SYSTEMS**

- 14.1 Irrigation lines and sprinkler heads are known to exist along this project. It is the Contractor's responsibility to determine the location and types of irrigation systems to be encountered and the total work to be completed under this paragraph.
- 14.2 Remove parts of irrigation systems as necessary to complete the grading, paving and utility adjustments. Cap off ends or modify systems where removals occur to allow the system's owner continued use of the remaining system.
- 14.3 Replace and repair irrigation system after final grading and prior to seeding and sodding. Protect irrigation system after replacement and repair from later construction activities.
- 14.4 Replaced and repaired irrigation system shall be equivalent or better than existing system.
  - a. Contractor shall furnish shop drawings for the sprinkler system relocations to the Engineer for review and approval by the system's owner prior to construction. Engineer will assist Contractor in obtaining plans for the existing systems where available.

### **15. STORAGE OF MATERIALS AND EQUIPMENT**

- 15.1 Limited storage space for materials and equipment will be available at project sites and along easements; string pipe within construction easements provided.
- 15.2 Storage areas shall be subject to approval of Engineer.

## **GENERAL REQUIREMENTS**

15.3 Store materials and equipment in manner which will preserve their quality and fitness.

### **16. HISTORICAL/ARCHAEOLOGICAL AUDITS**

16.1 If, during course of construction, evidence of deposits of historical or archaeological interest is found, cease operations affecting find and notify Owner who shall notify Iowa Department of Natural Resources and Director and Historic Preservation Officer, State Historical Department, East 12th and Grand, Des Moines, Iowa 50319. No further disturbance of deposits shall ensue until notification by Owner that work may proceed. Owner will issue notice to proceed only after state official has surveyed find and made determination to Department of Natural Resources and Owner. Compensation to Contractor, if any, for lost time or changes in construction to avoid find, determined in accordance with changed conditions or change order provisions of specifications.

**DETAIL SPECIFICATION  
SPECIAL CONSTRUCTION**

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET**

**PROJECT NO. 15B003.01**

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**1. GENERAL**

- A. Procedures outlined herein are not intended to fully cover all special construction procedures but are offered as an aid to the Contractor in planning work.
- B. Cooperate with the City of Boone and the Engineer to minimize inconvenience and to prevent delays in construction and interruption to continuous operation of utility services and site access.
- C. The Contractor is expected to provide adequate personnel and equipment to perform work within specified time of construction.
- D. Install and maintain orange construction fence around all open trenches or open structures when left unattended.
- E. Clean up and provide surface restoration as construction progresses.

**2. EXISTING UTILITIES**

- A. Location of utility lines, mains, cables and appurtenances shown on plans are from information provided by utility companies and records of the City.
- B. Prior to construction, contact all utility companies and have all utility lines and services located. The Contractor is responsible for excavating and exposing underground utilities in line of work. Confirm location of underground utilities by excavating ahead of work.
- C. Contractor is solely responsible for damage to utilities or private or public property due to utility disruption.
- D. The Contractor shall notify utility company immediately if utility line is damaged during construction.

## **SPECIAL CONSTRUCTION**

- E. Utility lines, poles and appurtenances, except water and sewer lines, in direct conflict with line and grade of work will be relocated by utility company before or during construction. Support and protect all utilities that are not moved.
- F. Utility services are not generally shown on plans; protect and maintain services during construction.
- G. If utility work does occur during the construction period, work schedules from the contractor and from the utility companies will be submitted to the Engineer for coordination to obtain mutual acceptable schedules, if possible.
- H. No claims for additional compensation will be allowed to the Contractor for interference or delay caused by utility company.

### **3. COOPERATION WITH OTHERS**

- A. Coordinate and cooperate with utility companies, the City of Boone and other contractors working in vicinity of this project.
- B. It is Contractor's responsibility to schedule and coordinate work to minimize construction delays and conflicts.

### **4. CONSTRUCTION LIMITS**

- A. Confine the construction operations within the rights-of-way and construction limits shown on the plans.
- B. Do not store equipment, vehicles, or materials on streets or within the rights-of-way of any streets open to traffic at any time.

### **5. CONSTRUCTION SCHEDULE/STAGING**

- A. Contractor shall prepare construction schedule showing dates of starting and completing various portions of work.
- B. Submit construction schedule within 10 days after award of contract.
- C. Periodically update construction schedule as requested by the Engineer.
- D. Contractor shall be required to meet the final completion date as listed in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.

## **SPECIAL CONSTRUCTION**

- E. Notify City and property owners at least 48 hours prior to any street closure.
  - 1. Notify all property owners affected by the closures on street by written notice placed on front door of residence.
  - 2. Include in the notice: the proposed date of street closure, estimated schedule for completion of work and reopening of street, procedures for refuse collection and mail services.
- F. Notify City and property owners 48 hours prior to any shutdown of water service. Water may only be shut off between the hours of 8:00 am and 5:00 pm Monday thru Friday.

### **6. COORDINATION OF REFUSE COLLECTION**

- A. Coordinate collection of refuse and recycling from individual properties with the refuse collection agency.
- B. The contractor will be responsible for collecting property owners' refuse and recycling from their usual collection point and transporting and placing it in location that collection company can access.
  - 1. Complete this collection on the normally scheduled collection day
- C. Trash collection will continue on the normally scheduled days.
- D. Coordination of refuse and recycling collection shall be considered incidental to other work.

### **7. COORDINATION OF MAIL DELIVERY**

- A. Maintain mail delivery at all times. Keep the sidewalks open so that mail carriers have access to all residences along the project.
- B. Coordinate delivery of mail with U.S. Postal Service.

### **8. SIDEWALK ACCESS**

- A. Sidewalks and ramps shall be kept open to pedestrian traffic at all times.
- B. Where sidewalks or ramps have been removed and are not to be immediately replaced, provide firm and stable temporary surfacing in the form of wood or metal planking or granular surfacing.
  - 1. Providing temporary accesses is considered incidental to the sidewalk construction

## **SPECIAL CONSTRUCTION**

C. No materials or equipment shall be stored on sidewalks.

### **9. DEWATERING**

A. Do all work in dry conditions.

B. Submit dewatering methods to the Engineer for review. Obtain the Engineer's approval on methods prior to construction.

C. Groundwater levels are subject to variation. No additional compensation will be permitted due to high groundwater conditions.

D. Maintain water levels 2 feet or more below the bottom of excavations in saturated cohesionless (sand and/or gravel) soils to prevent upward seepage which could reduce subgrade support.

1. Install dewatering system (well points or shallow wells) when working in cohesionless soils.

2. Costs of installing and operating dewatering system is incidental to the construction of the sanitary sewer and structures.

E. Provide for handling surface water encountered during construction.

1. Prevent surface water from flowing into excavation, remove water as it accumulates.

2. Divert storm sewer flow around areas of construction.

F. Include costs of handling both surface water and groundwater in unit prices for water main, sewer, and structures in place.

**SUPPLEMENTAL SPECIFICATION**

**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET**

**PROJECT NO. 15B003.01**

**PROJECT ADDENDUM TO THE URBAN STANDARD  
SPECIFICATION FOR PUBLIC IMPROVEMENTS**

See the following attachment for amendments and revisions that apply to **CRAWFORD STREET RECONSTRUCTION, 14TH STREET TO 17TH STREET**. These provisions modify those standards set forth in the latest version of the Urban Standard Specifications for Public Improvements. All sections of the specifications not changed by these amendments shall remain in effect.



**SUPPLEMENTAL SPECIFICATION FOR  
BOONE, IOWA  
IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS  
FOR PUBLIC IMPROVEMENTS**

Iowa Statewide Urban Design and Specifications – 2015 edition shall be the standard specifications for construction on this project.

This Supplemental Specification incorporates modifications and deletions to the Iowa Statewide Urban Standard Specifications for Public Improvements. These modifications and deletions set forth in this Supplemental Specification take precedence over the provisions of the Iowa Statewide Urban Standard Specifications for Public Improvements, 2015 Edition.

1. Division 3 – Trench and Trenchless Construction, Section 3010 – Trench Excavation and Backfill, on Figure 3010.102, (SW-102), modify Class R-1 to show installation of granular backfill to minimum 12” over top of pipe. Delete Class R-2.
2. Division 3 – Trench and Trenchless Construction, Section 3010 – Trench Excavation and Backfill, on Figure 3010.103 (SW-103), delete Class F-1 and Class F-2 beddings for Sanitary Sewers and Storm Sewers.
3. Division 4 – Sewers and Drains, Section 4010 – Sanitary Sewers, under **PART 2 – PRODUCTS, 2.01 SANITARY SEWER (Gravity Mains)**, after “J” add the following:  
  
    **“K. Connection to Existing Sanitary Sewer:** Use Non-shear, flexible couplings.”
4. Division 4 – Sewers and Drains, Section 4060 – Cleaning, Inspection, and Testing of Sewers, under **PART 3 – EXECUTION, 3.03 VIDEO INSPECTION, A. General**, modify “4” as follows:  
  
    “For sewers found to have defects, re-inspect and re-televiser repaired sections after any corrective action has been completed.”
5. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 1 – GENERAL, 1.08 MEASURE AND PAYEMENT**, after “D.” add the following:  
  
    **“E. Water Service, Major:**
  1. **Measurement:** Each replacement of existing lead water service encountered and replaced with new material from the water main to the stop box will be counted.
  2. **Payment:** Payment will be made at the unit price.

3. **Includes:** Unit price includes, but is not limited to, corporation, service pipe, stop, stop box, and removal and disposal of existing service.”
6. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 2 – PRODUCTS, 2.07 WATER SERVICE PIPE AND APPURTENANCES, A. Controlling Standards**, add ANSI/AWWA A-C800 and ASTM B-62.
7. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 2 – PRODUCTS, 2.07 WATER SERVICE PIPE AND APPURTENANCES, B. Materials, 1. Copper Pipe**, add the following note:
- “For water services smaller than 2-inches.”
8. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 2 – PRODUCTS, 2.07 WATER SERVICE PIPE AND APPURTENANCES, B. Materials**, delete **2. DIP, 3. PVC Pipe, 4. Brass Pipe, and 5. Polyethylene Pipe**, and add the following note:
- “2. Water services 2-inches and larger shall be of water main material as listed in Section 5010, Part 2.01, and be installed in accordance with water main specifications.”
9. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 2 – PRODUCTS, 2.07 WATER SERVICE PIPE AND APPURTENANCES, C. Corporations, Stops, and Stop Boxes**, modify as follows:
- “A. Corporation stops shall be Ford ball valve type, ¼ turn open; or approved equal.
- B. Stop box shall be extension type with arch pattern, cast iron base, pedestal cap with 5 point plug, and 1-inch upper section with rod.
- C. Contact the Jurisdiction for additional requirements.”
10. Division 5 – Water Mains and Appurtenances, Section 5010 – Pipe and Fittings, under **PART 3 – EXECUTION, 3.10 WATER SERVICE STUB**, rename as **3.10 WATER SERVICE STUB AND WATER SERVICE, MAJOR** and after “C.” add the following:
- “D. Replace all existing lead water services encountered during construction with new material complying with Section 5010, Part 2.07 from the water main to the curb stop, including stop and stop box. Replace with water service of existing size, minimum ¾ - inch.
- E. For water services 2-inches and smaller, install new corporation stop at the water main or, where water tight connection can be made, new water services may be connected to an existing corporation stop.

1. Fitting required for connection to existing corporation shall be incidental.
  2. Tapping saddle required for all services made with a corporation. Make connection to main at 45 degrees from horizontal.
  3. Any water main damage as a result of new corporation stop installation shall be replaced at the Contractor's expense.
  4. Install new stop and stop box on all new and replaced water services.
- F. For water services greater than 2-inches, install manufactured tee fitting, and reducer if required, in water main; Use gate valve in place of curb stop. Tee fittings, reducers, and gate valves used for services are incidental to the water service.
- G. Install stop boxes 1-foot within right-of-way unless shown otherwise in the plans. Stop boxes shall not be located in sidewalk or driveway.
11. Division 6 – Structures for Sanitary and Storm Sewers, Section 6010 – Structures for Sanitary and Storm Sewers, under **PART 1 – GENERAL, 1.08 MEASUREMENT AND PAYMENT, H. Remove Manhole or Intake, 3. Includes**, after “removal of casting, concrete, and reinforcement,” add the following:
- “removal of pipe sections as necessary for structure removal, and the proper disposal of all removed materials.”
12. Division 6 – Structures for Sanitary and Storm Sewers, Section 6010 – Structures for Sanitary and Storm Sewers, under **PART 2 – PRODUCTS, 2.11 ADDITIONAL MATERIALS FOR SANITARY SEWER MANHOLES, A. Infiltration Barrier**, delete paragraphs “1. External Chimney Seal, 3. Molded Shield, and 4. Heat Shrink Sleeve”
13. Division 6 – Structures for Sanitary and Storm Sewers, Section 6010 – Structures for Sanitary and Storm Sewers, under **PART 2 - PRODUCTS**, delete all of Section **2.13 Steps**.
14. Division 6 – Structures for Sanitary and Storm Sewers, Section 6010 – Structures for Sanitary and Storm Sewers, under **PART 3 – EXECUTION, 3.06 REMOVAL OF MANHOLE OR INTAKE**, after “D” add the following:
- “E. Owner reserves the right to retain structure castings. Deliver salvageable castings to site chosen by the Owner within City Limits.”
15. Division 6 – Structures for Sanitary and Storm Sewers, Section 6010 – Structures for

Sanitary and Storm Sewers, on Figures 6010.301 (SW-301), 6010.303 (SW-303), 6010.304 (SW-304), 6010.305 (SW-305), 6010.401 (SW-401), 6010.404 (SW-404), and 6010.405 (SW-405), remove stairs and add a note as follows:

“Do not install stairs in any manholes.”

16. Division 7 – Streets and Related Works, Section 7010 – Portland Cement Concrete Pavement, under **PART 1 – GENERAL, 1.08 MEASUREMENT AND PAYMENT**, after “M”, add the following:

**“N. Temporary Granular Surfacing:** Comply with Section 7030, Granular Driveway Surfacing for all temporary granular surfacing placed during construction.”

17. Division 7 – Streets and Related Works, Section 7030 – Sidewalks, Shared Use Paths, and Driveways, under **PART 2 – PRODUCTS, 2.07 DETECTABLE WARNINGS**, replace with the following:

“Detectable warning panels shall be cast-in-place and shall be brick red, raised truncated domes with non-slip surface, manufactured by Armor Tile, or approved equal. Comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (also known as PROWAG) for contrast and dimension requirements. Also comply with Iowa DOT Materials I.M. 411.

18. Division 7 – Streets and Related Works, Section 7030 – Sidewalks, Shared Use Paths, and Driveways, under **PART 2 – PRODUCTS, 2.08 GRANULAR DRIVEWAY SURFACING**, add the following:

“For Temporary Granular Surfacing, only Class A crushed stone shall be allowed.”

19. Division 7 – Streets and Related Works, Section 7030 – Sidewalks, Shared Use Paths, and Driveways, under **PART 3 – EXECUTION, 3.09 GRANULAR DRIVEWAY SURFACING**, add the following:

“Place granular surfacing to a uniform thickness of 6-inches. Compact granular surfacing to a minimum of 95% standard proctor density.”





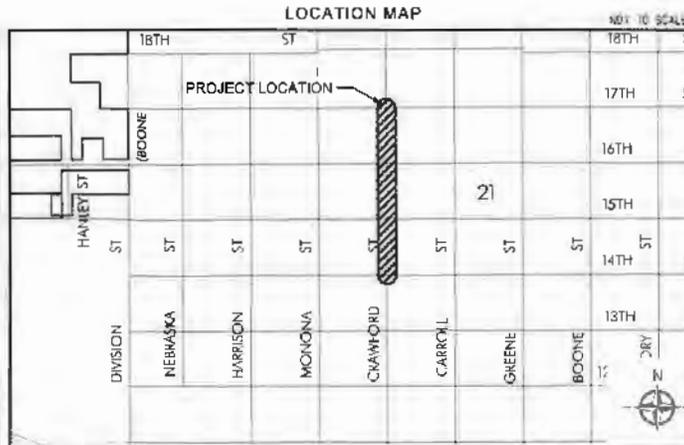
*Personalized, Client-Centered Service*

LETTING DATE: 02/04/2016  
CITY CONTRACT NO.: 15B003-01

**CRAWFORD STREET RECONSTRUCTION  
FROM 14TH STREET TO 17TH STREET**

PLANS OF PROPOSED IMPROVEMENTS FOR  
**2016**  
**CRAWFORD STREET RECONSTRUCTION**  
FROM 14TH STREET TO 17TH STREET  
CITY OF BOONE, IOWA  
CITY CONTRACT NO.: 15B003-01

URBAN STANDARD DETAILS FOR PUBLIC IMPROVEMENTS		
ALL STANDARD DETAILS SHALL BE CONSIDERED APPLICABLE TO CONSTRUCTION WORK ON THIS PROJECT. THE FOLLOWING DETAILS ARE BROUGHT TO THE CONTRACTOR'S ATTENTION:		
FIGURE NO.	NAME	DATE
3010.101	TRENCH BEDDING AND BACKFILL ZONES	04-21-2009
3010.102	RIGID GRAVITY PIPE TRENCH BEDDING	04-21-2009
3010.103	FLEXIBLE GRAVITY PIPE TRENCH BEDDING	04-21-2009
4020.211	SPECIAL PIPE CONNECTION FOR STORM SEWER	04-16-2012
4040.231	SUBDRAINS	03-21-2014
4040.233	SUBDRAIN OUTLETS	03-21-2014
5010.101	THRUST BLOCKS	04-21-2009
5010.102	TRACER SYSTEM	04-21-2009
5020.201	FIRE HYDRANT ASSEMBLY	04-19-2011
6010.301	CIRCULAR SANITARY SEWER MANHOLE	04-21-2009
6010.306	CHIMNEY SEALS FOR SANITARY SEWER MANHOLES	04-21-2009
6010.401	CIRCULAR STORM SEWER MANHOLE	04-21-2009
6010.501	SINGLE SPATE INTAKE	04-21-2009
6010.502	CIRCULAR SINGLE GRAPE INTAKE	04-21-2009
6010.503	SINGLE SPATE INTAKE WITH MANHOLE	04-21-2009
6010.514	BOXED IN FOR GRAPE INTAKES	04-21-2009
6010.601	CASTINGS FOR SANITARY SEWER MANHOLES	04-21-2009
6010.602	CASTINGS FOR STORM SEWER MANHOLES	04-21-2009
6010.603	CASTINGS FOR GRAPE INTAKES	04-21-2009
6010.604	CASTINGS FOR AREA INTAKES	04-21-2009
7010.101	JOINTS	04-15-2014
7010.102	PCC CURB DETAILS	04-15-2014
7030.101	CONCRETE DRIVEWAY, TYPE A	04-15-2014
7030.205	CONCRETE SIDEWALK AND CURB RAMP DETAILS	04-15-2014
9040.102	FILTER FABRICATION AND FILTER SOCK	03-21-2014



THE STATEWIDE URBAN DESIGN SPECIFICATIONS, 2015 EDITION (EXCLUDING DIVISION 1), AND THE SUPPLEMENTAL SPECIFICATIONS FOR BOONE, SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

INDEX OF SHEETS		105-3
		07-21-07
NO.	DESCRIPTION	
A.01	TITLE SHEET	
A.32	LEGEND & SYMBOL INFORMATION SHEET	
B.01-B.12	TYPICAL CROSS-SECTIONS	
C.01-C.36	AS-BUILT QUANTITIES AND GENERAL INFORMATION	
D.01-D.23	PLAN AND PROFILE SHEETS - MAINLINE	
E.01-E.22	PLAN AND PROFILE SHEETS - SIDEWAYS	
F.01-F.03	EROSION CONTROL SHEETS	
G.01	REFERENCE TIES AND BENCHMARKS	
H.01-H.25	STAKING AND TRAFFIC CONTROL SHEETS	
J.01	PAVEMENT MARKING SHEETS	
K.01-K.09	GEOMETRICS, STAKING, AND DIMENSION SHEETS	
M.01-M.29	STORM SEWER PROFILES	
N.01-N.13	PEDESTRIAN RAMP STAKING SHEETS	
P.01-P.27	CROSS-SECTIONS - MAINLINE	
Q.01-Q.23	CROSS-SECTIONS - DRIVEWAYS	

MILEAGE SUMMARY				105-1
				09-27-04
DIV.	LOCATION	LIN. FT.	MILES	
1	CRAWFORD STREET S.T.A. 10+90.11 TO S.T.A. 23+05.00	1214.89	0.233	



REDUCED  
SIZE  
DO NOT  
SCALE



I hereby certify that this engineering document was prepared by me or under my direct professional supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

*Jared Rokke* 1/12/2016  
DATE

JARED ROKKE, P.E.  
License Number: 01649  
My license renewal date is: 08/01/2018.  
Please refer sheets covered by this seal.

ALL SHEETS

**STANDARD SYMBOLS**

	Interstate Highway Symbol		Sewer		Guardrail Beam or Top
	U.S. Highway Symbol		Cistern		Guard Post (one or two)
	Local Highway Symbol		Underground Storage Tank		Guard Post (over two)
	County Road Highway Symbol		Letrine		Fuller Pipe
	Evergreen Tree		Luminaire		Gas Valve
	Deciduous Tree		Traffic Signal		Water Valve
	Fruit Tree		Traffic Signal with Luminaire		Speed Limit Sign
	Shrub (bushes)		Telephone Pedestal		Mile Marker Post
	Timber		Television Pedestal		SIGN Sign
	Edge		Telephone Pole		Water Hook Up
	Stump		Telephone Pole (Second Company)		Radio Tower
	Swamp		Telephone Pole (Third Company)		Tower Anchor
	Rock Outcrop		Telephone Pole (Fourth Company)		Electric Box
	Broken Concrete		Telephone Pole (Fifth Company)		Traffic Signal Control Box
	Pavement (Prop.)		Power Pole		Rail Rec Signal Control Box
	Cemetery		Power Pole (Second Company)		Telephone Switch Box
	Grave		Power Pole (Third Company)		
	Cave		Power Pole (Fourth Company)		
	Sink Hole		Power Pole (Fifth Company)		
	Board Fence		Electric Highline (over Metal or Concrete)		
	Chain Link or Security Fence		Telephone Riser Pole		
	Wire Fence		Tower Riser Pole		
	Terrace		Telegraph Pole		
	Earth Dam or Dike (Existing)		Satellite TV Dish		
	Earth Dam or Dike (Proposed)		Existing Water Line		Shading - Proposed Paved Surface
	Tile Outlet		Existing Water Line (Second Company)		
	Edge of Water		Existing Sanitary Sewer Line		
	Existing Drainage		Existing Telephone Line		
	Proposed Drainage		Existing Telephone Line (Second Company)		
	Right of Way Post or Lot Corner		Existing Fiber Optics Telephone Line		
	Concrete Monument		Existing Storm Sewer Line		
	Well		Existing Gas Line		
	Windmill		Existing High Pressure Gas Line		
	Zeevnic Intake		Existing Gas Line (Second Company)		
	Existing Intake		Existing High Pressure Gas Line (Second Company)		
	Proposed Intake		Existing Power Line		
	Existing Utility Access Manhole		Existing Power Line (Second Company)		
	Proposed Utility Access Manhole		Cable Television Line		
	Fire Hydrant				
	Water Hydrant (Rural)				

(Symbols are Typical Only)

**TABULATION OF UTILITIES**

102-13  
02-22-95

Where public utility fixtures are shown as existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the owners of those utilities prior to the beginning of any construction. The Contractor shall allow access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which presently not known or shown, is the Contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the Contractor for any interference or delay caused by such work.

The Contractor is required to utilize the Utility One-Call service at (800) 292-8989 at least 48 hours prior to excavating anywhere on the project.

The following utility companies are known to have facilities on the project:

City of Boone - Dept. of Public Works  
Mr. John Rouse  
923 8th St., P.O. Box 550 Boone, IA 50036  
(515) 432-4211 (office)  
(515) 433-0653 (fax)  
jrouse@city.boone,ia.us

Alliant Energy - Electric & Gas  
Mr. Kyle Wildman  
1284 SE Place Ames, IA 50014  
(515) 298-3414  
kyle.wildman@alliantenergy.com

Boone Community School District  
Mr. Bog Ostler  
300 7th St. Boone, Iowa 50006  
(515) 292-1618 (office)  
boostler@boone.k12.ia.us

Mediacom Communication  
Mr. Tim Aorban  
225 S. Dayton Avenue Ames, Iowa 50010  
(515) 233-2318 (office)  
taorban@mediacom.com

**RIGHT OF WAY LEGEND**

- Proposed Right of Way
- Existing Right of Way
- Existing and Proposed Right of Way
- Easement and Existing Right of Way
- Borrow
- Easement (Temporary)
- Easement
- Egress
- Property Line
- Access Control

**CONVENTIONAL SIGNS**

- Station Reference Point Survey Line
- Section Corner
- Proposed Profile Grade
- Railroad
- Existing/Proposed Field Tile
- Existing/Proposed Culverts
- Stream

**SYMBOLS UNIQUE TO PROJECT**

**IOWA 1-CALL# 1-800-292-8989**

PROJECT NO: 100320-01	DESIGNED BY: CRAWFORD
PROJECT FISCAL YEAR: 2004-05	DRAWN BY: CURE
ISSUE DATE: 11/13/2004	SCALE: 1"=40'
ISSUE NO: 1	DATE: 11/13/04

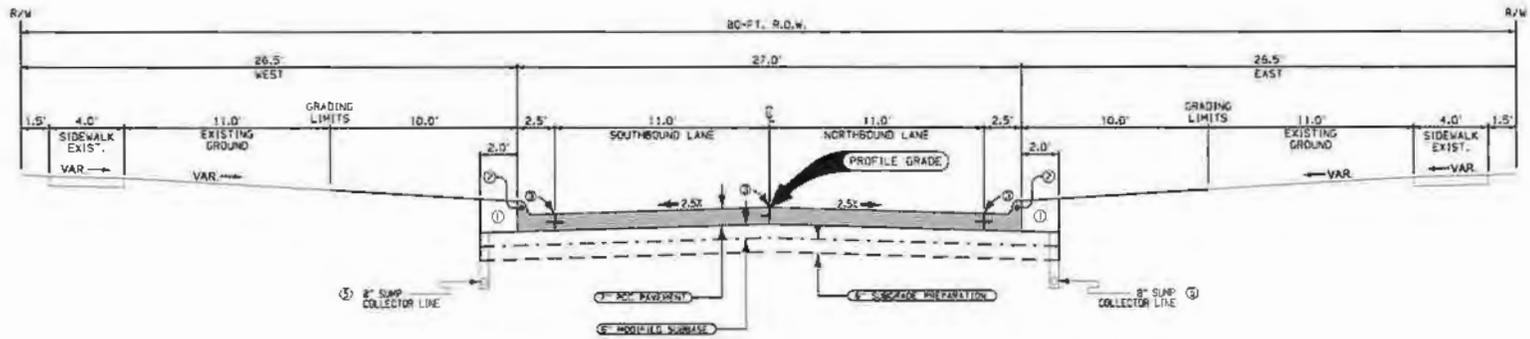
NO.	DATE	BY	DESCRIPTION OF CHANGE



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

LEGEND & SYMBOL INFORMATION SHEET

A.02



**NOTES:**

USUAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

- ① Entrance and backfill 2:1
- ② 6" Standard Curb
- ③ -1 or BT Joint
- ④ Joint layout shall be as shown on the "1" Sheets Transverse plans w. 1 to C.
- ⑤ Refer to figure 404E.25, Case E, page 2

**CRAWFORD STREET  
TYPICAL CROSS SECTION - 27.0' B-B  
2 LANE W/6" STANDARD CURB**

LOCATION	
ROAD IDENTIFICATION	STATION TO STATION
CRAWFORD STREET	10+90.11 - 23+05.00

PROJECT NO: 15000001  
 PROJECT IN CHARGE: 02/06/2016  
 CAD DATE: 02/17/2016  
 DESIGNED BY: JUAN PELLE  
 CHECKED BY: J. MORAN  
 DRAWN BY: JUAN PELLE

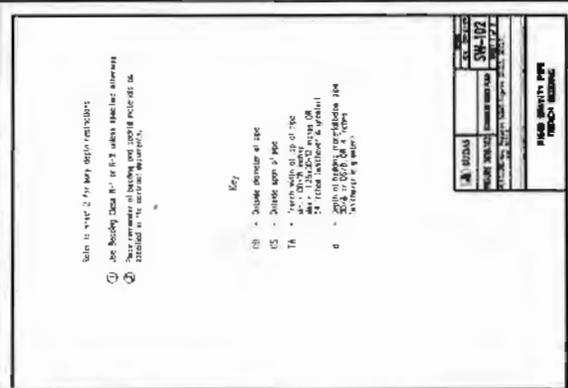
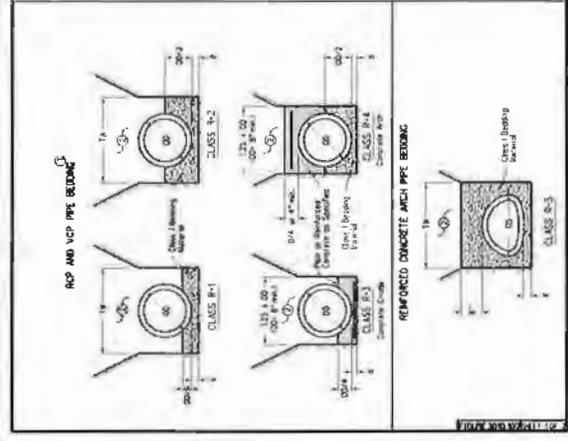
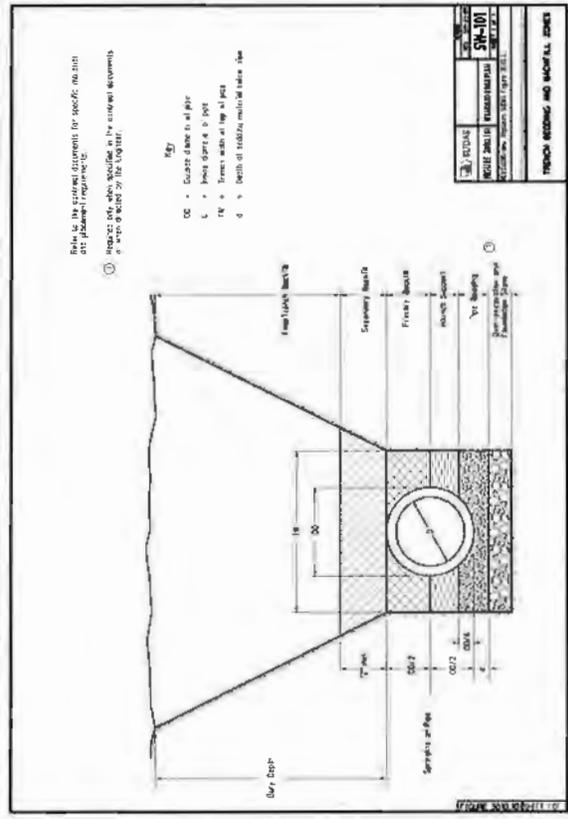
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BODINE, IA**

TYPICAL CROSS SECTIONS AND DETAILS

SHEET NO. **B.01**



**REINFORCED CONCRETE LOCAL BED**

**CLASS 1**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	40000
250	100	250	62500
300	100	300	90000
350	100	350	122500
400	100	400	160000
450	100	450	202500
500	100	500	250000
550	100	550	302500
600	100	600	360000
650	100	650	422500
700	100	700	490000
750	100	750	562500
800	100	800	640000
850	100	850	722500
900	100	900	810000
950	100	950	902500
1000	100	1000	1000000

**CLASS 2**

Pipe Diameter (mm)	Class 2 Bedding Depth (mm)	Class 2 Bedding Width (mm)	Class 2 Bedding Area (mm²)
150	150	150	33750
200	150	200	60000
250	150	250	93750
300	150	300	135000
350	150	350	183750
400	150	400	240000
450	150	450	303750
500	150	500	375000
550	150	550	453750
600	150	600	540000
650	150	650	633750
700	150	700	735000
750	150	750	843750
800	150	800	960000
850	150	850	1083750
900	150	900	1215000
950	150	950	1353750
1000	150	1000	1500000

**CLASS 3**

Pipe Diameter (mm)	Class 3 Bedding Depth (mm)	Class 3 Bedding Width (mm)	Class 3 Bedding Area (mm²)
150	200	150	45000
200	200	200	80000
250	200	250	125000
300	200	300	180000
350	200	350	243750
400	200	400	315000
450	200	450	393750
500	200	500	480000
550	200	550	573750
600	200	600	675000
650	200	650	783750
700	200	700	900000
750	200	750	1023750
800	200	800	1155000
850	200	850	1293750
900	200	900	1440000
950	200	950	1593750
1000	200	1000	1755000

**CLASS 4**

Pipe Diameter (mm)	Class 4 Bedding Depth (mm)	Class 4 Bedding Width (mm)	Class 4 Bedding Area (mm²)
150	250	150	56250
200	250	200	100000
250	250	250	156250
300	250	300	225000
350	250	350	303750
400	250	400	393750
450	250	450	495000
500	250	500	607500
550	250	550	731250
600	250	600	866250
650	250	650	1012500
700	250	700	1170000
750	250	750	1338750
800	250	800	1518000
850	250	850	1708750
900	250	900	1910000
950	250	950	2122500
1000	250	1000	2346000

**EXTRA STRENGTH ACP**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	40000
250	100	250	62500
300	100	300	90000
350	100	350	122500
400	100	400	160000
450	100	450	202500
500	100	500	250000
550	100	550	302500
600	100	600	360000
650	100	650	422500
700	100	700	490000
750	100	750	562500
800	100	800	640000
850	100	850	722500
900	100	900	810000
950	100	950	902500
1000	100	1000	1000000

**ALLOWABLE BURY DEPTH**

**CLASS 1**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	40000
250	100	250	62500
300	100	300	90000
350	100	350	122500
400	100	400	160000
450	100	450	202500
500	100	500	250000
550	100	550	302500
600	100	600	360000
650	100	650	422500
700	100	700	490000
750	100	750	562500
800	100	800	640000
850	100	850	722500
900	100	900	810000
950	100	950	902500
1000	100	1000	1000000

**CLASS 2**

Pipe Diameter (mm)	Class 2 Bedding Depth (mm)	Class 2 Bedding Width (mm)	Class 2 Bedding Area (mm²)
150	150	150	33750
200	150	200	60000
250	150	250	93750
300	150	300	135000
350	150	350	183750
400	150	400	240000
450	150	450	303750
500	150	500	375000
550	150	550	453750
600	150	600	540000
650	150	650	633750
700	150	700	735000
750	150	750	843750
800	150	800	960000
850	150	850	1083750
900	150	900	1215000
950	150	950	1353750
1000	150	1000	1500000

**CLASS 3**

Pipe Diameter (mm)	Class 3 Bedding Depth (mm)	Class 3 Bedding Width (mm)	Class 3 Bedding Area (mm²)
150	200	150	45000
200	200	200	80000
250	200	250	125000
300	200	300	180000
350	200	350	243750
400	200	400	315000
450	200	450	393750
500	200	500	480000
550	200	550	573750
600	200	600	675000
650	200	650	783750
700	200	700	900000
750	200	750	1023750
800	200	800	1155000
850	200	850	1293750
900	200	900	1440000
950	200	950	1593750
1000	200	1000	1755000

**CLASS 4**

Pipe Diameter (mm)	Class 4 Bedding Depth (mm)	Class 4 Bedding Width (mm)	Class 4 Bedding Area (mm²)
150	250	150	56250
200	250	200	100000
250	250	250	156250
300	250	300	225000
350	250	350	303750
400	250	400	393750
450	250	450	495000
500	250	500	607500
550	250	550	731250
600	250	600	866250
650	250	650	1012500
700	250	700	1170000
750	250	750	1338750
800	250	800	1518000
850	250	850	1708750
900	250	900	1910000
950	250	950	2122500
1000	250	1000	2346000

**ALLOWABLE BURY DEPTH**

**CLASS 1**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	40000
250	100	250	62500
300	100	300	90000
350	100	350	122500
400	100	400	160000
450	100	450	202500
500	100	500	250000
550	100	550	302500
600	100	600	360000
650	100	650	422500
700	100	700	490000
750	100	750	562500
800	100	800	640000
850	100	850	722500
900	100	900	810000
950	100	950	902500
1000	100	1000	1000000

**CLASS 2**

Pipe Diameter (mm)	Class 2 Bedding Depth (mm)	Class 2 Bedding Width (mm)	Class 2 Bedding Area (mm²)
150	150	150	33750
200	150	200	60000
250	150	250	93750
300	150	300	135000
350	150	350	183750
400	150	400	240000
450	150	450	303750
500	150	500	375000
550	150	550	453750
600	150	600	540000
650	150	650	633750
700	150	700	735000
750	150	750	843750
800	150	800	960000
850	150	850	1083750
900	150	900	1215000
950	150	950	1353750
1000	150	1000	1500000

**CLASS 3**

Pipe Diameter (mm)	Class 3 Bedding Depth (mm)	Class 3 Bedding Width (mm)	Class 3 Bedding Area (mm²)
150	200	150	45000
200	200	200	80000
250	200	250	125000
300	200	300	180000
350	200	350	243750
400	200	400	315000
450	200	450	393750
500	200	500	480000
550	200	550	573750
600	200	600	675000
650	200	650	783750
700	200	700	900000
750	200	750	1023750
800	200	800	1155000
850	200	850	1293750
900	200	900	1440000
950	200	950	1593750
1000	200	1000	1755000

**CLASS 4**

Pipe Diameter (mm)	Class 4 Bedding Depth (mm)	Class 4 Bedding Width (mm)	Class 4 Bedding Area (mm²)
150	250	150	56250
200	250	200	100000
250	250	250	156250
300	250	300	225000
350	250	350	303750
400	250	400	393750
450	250	450	495000
500	250	500	607500
550	250	550	731250
600	250	600	866250
650	250	650	1012500
700	250	700	1170000
750	250	750	1338750
800	250	800	1518000
850	250	850	1708750
900	250	900	1910000
950	250	950	2122500
1000	250	1000	2346000

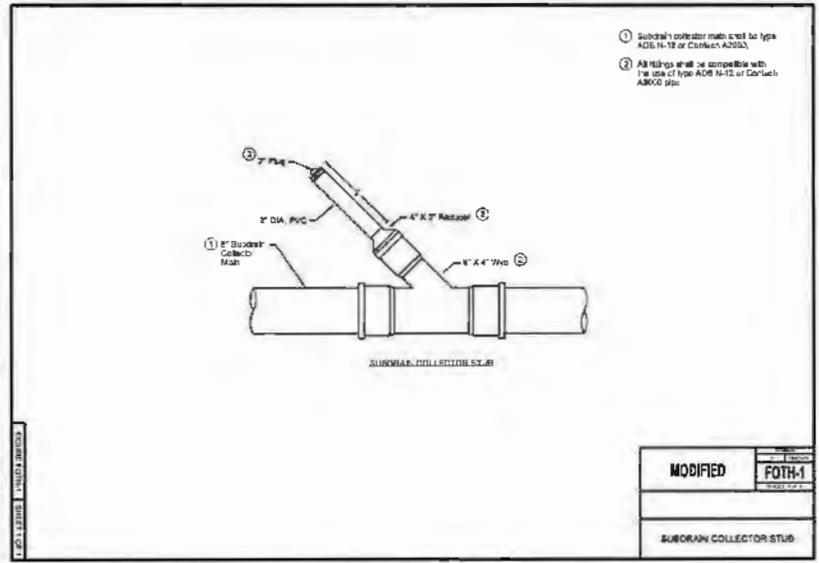
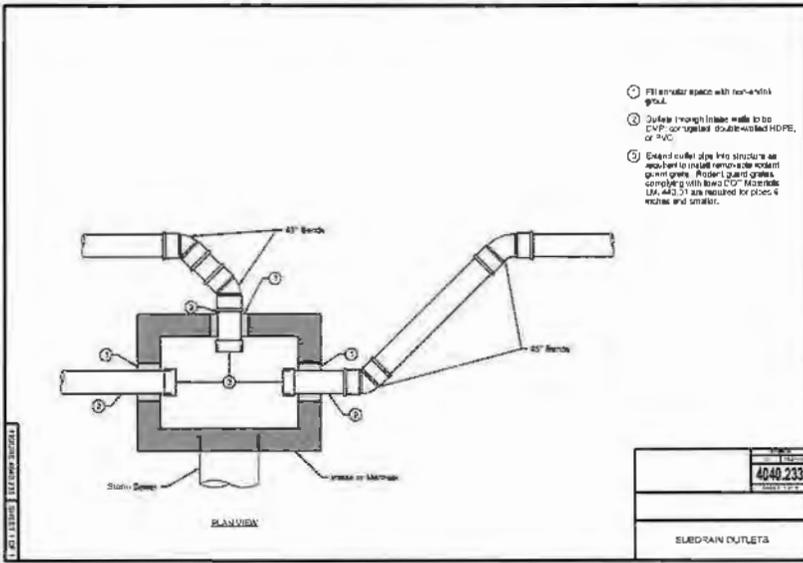
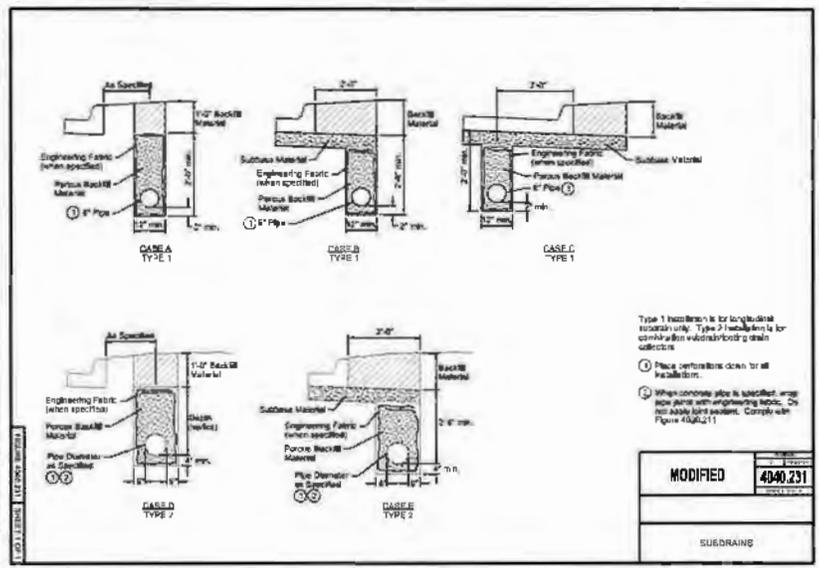
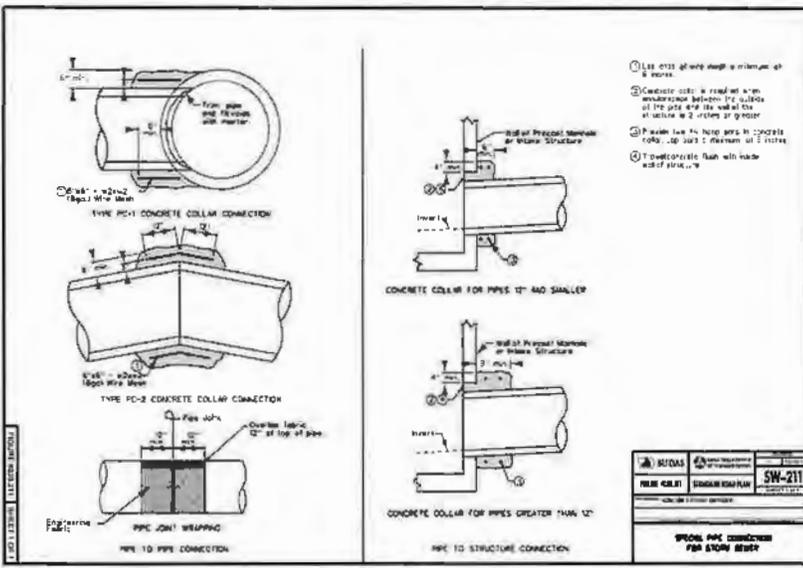
**EXTRA STRENGTH ACP**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	40000
250	100	250	62500
300	100	300	90000
350	100	350	122500
400	100	400	160000
450	100	450	202500
500	100	500	250000
550	100	550	302500
600	100	600	360000
650	100	650	422500
700	100	700	490000
750	100	750	562500
800	100	800	640000
850	100	850	722500
900	100	900	810000
950	100	950	902500
1000	100	1000	1000000

**ALLOWABLE BURY DEPTH**

**CLASS 1**

Pipe Diameter (mm)	Class 1 Bedding Depth (mm)	Class 1 Bedding Width (mm)	Class 1 Bedding Area (mm²)
150	100	150	22500
200	100	200	



PROJECT NO.	22044203	DATE	11/18/20
PROJECT NAME	CRAWFORD STREET RECONSTRUCTION	DRAWN BY	AMHP/2
PROJECT LOCATION	14TH STREET TO 17TH STREET	CHECKED BY	AMHP/2
DATE PLOTTED	11/18/20	SCALE	AS SHOWN

NO.	DATE	BY	REVISION OR COMMENT

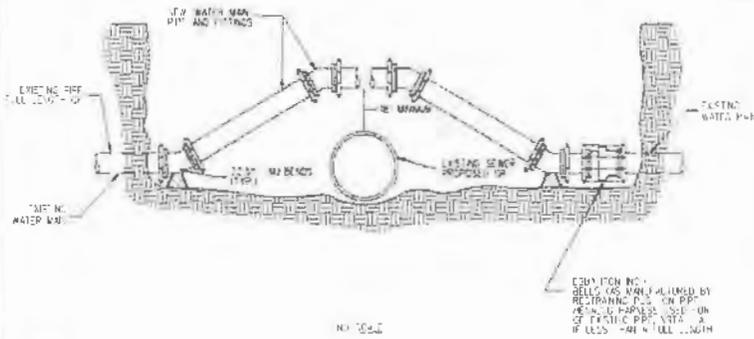


**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

TYPICAL CROSS SECTIONS AND DETAILS

TABLE NO.  
**B.03**

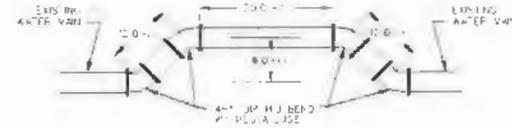
FOTH-2  
08-04-11



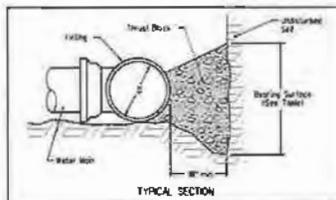
- NOTES:
1. ALL NEW PIPE SHALL BE 15' MIN. LENGTH.
  2. ALL NEW PIPE SHALL BE 15' MIN. LENGTH.
  3. ALL NEW PIPE SHALL BE 15' MIN. LENGTH.
  4. ALL NEW PIPE SHALL BE 15' MIN. LENGTH.
  5. ALL NEW PIPE SHALL BE 15' MIN. LENGTH.

WATER MAIN VERTICAL RELOCATION DETAIL

FOTH-28  
08-04-11



WATER MAIN HORIZONTAL RELOCATION DETAIL



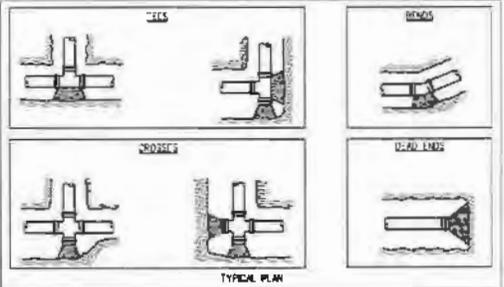
Concrete bedding shall be constructed in accordance with the following specifications:

1. Bedding shall be constructed in accordance with the following specifications.
2. Bedding shall be constructed in accordance with the following specifications.
3. Bedding shall be constructed in accordance with the following specifications.

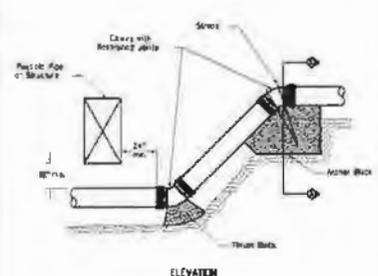
Diameter of Pipe (inches)	MINIMUM BEDDING SURFACE (inches)			
	12" to 18"	24"	30"	36"
12"	4"	4"	4"	4"
15"	4"	4"	4"	4"
18"	4"	4"	4"	4"
24"	4"	4"	4"	4"
30"	4"	4"	4"	4"
36"	4"	4"	4"	4"
42"	4"	4"	4"	4"
48"	4"	4"	4"	4"
54"	4"	4"	4"	4"
60"	4"	4"	4"	4"
66"	4"	4"	4"	4"
72"	4"	4"	4"	4"
78"	4"	4"	4"	4"
84"	4"	4"	4"	4"
90"	4"	4"	4"	4"
96"	4"	4"	4"	4"
102"	4"	4"	4"	4"
108"	4"	4"	4"	4"
114"	4"	4"	4"	4"
120"	4"	4"	4"	4"

Minimum bedding shall be based on water pressure of 150 psi and ultimate soil pressure of 1500 psi.

DATE	BY	DESCRIPTION
08/04/11	JM	WM-101
08/04/11	JM	WM-101
08/04/11	JM	WM-101



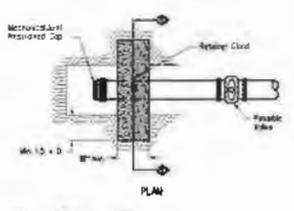
CHANGES IN PIPE DEPTH



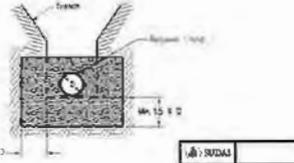
ELEVATION

SECTION A-A

DEAD ENDS IN TRENCH METHOD



PLAN



SECTION B-B

DATE	BY	DESCRIPTION
08/04/11	JM	WM-101
08/04/11	JM	WM-101
08/04/11	JM	WM-101

PROJECT NO: 15000-01  
 PROJECT DATE: 08/04/2011  
 CAD DATE: 08/04/2011  
 DATE PLOT: 08/04/2011

NO.	DATE	BY	REVISION DESCRIPTION

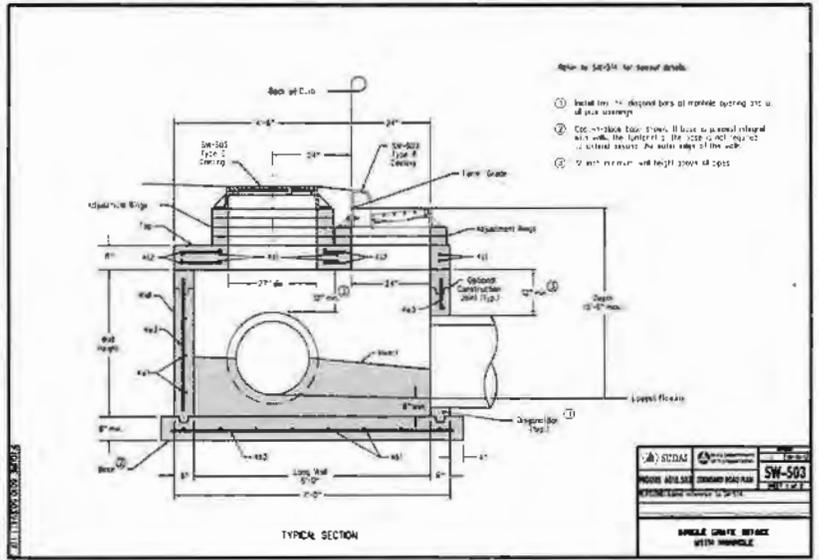
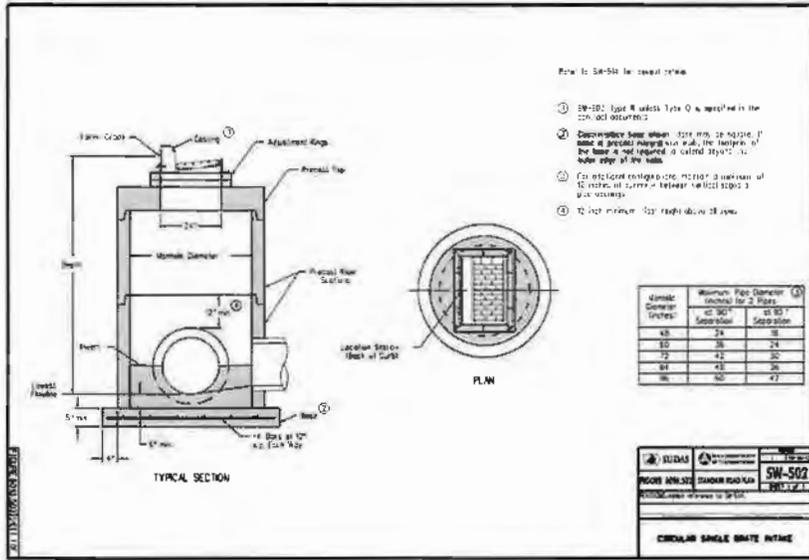
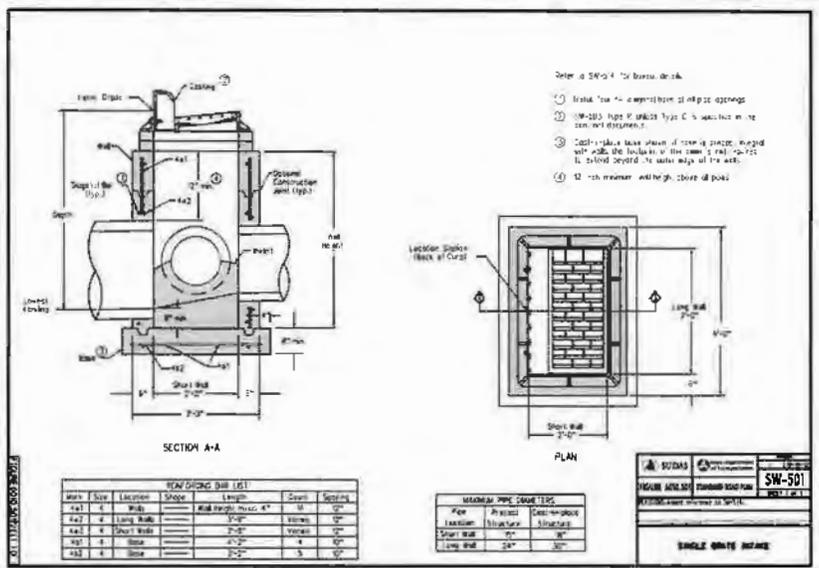
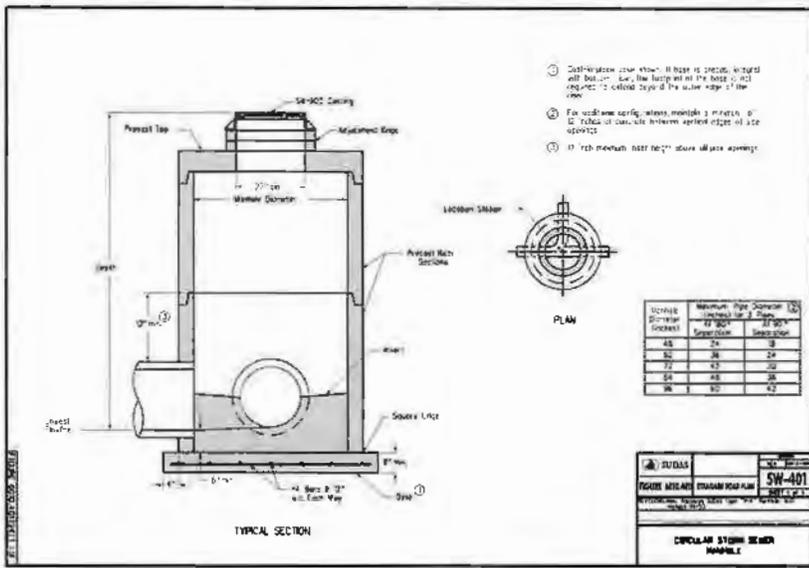


CRAWFORD STREET RECONSTRUCTION  
 14TH STREET TO 17TH STREET  
 BOONE, IA

TYPICAL CROSS SECTIONS AND DETAILS

DATE: 08/04/11  
 B.04





DESIGNED BY: [blank] CHECKED BY: [blank]  
 DRAWN BY: [blank] DATE: [blank]  
 PROJECT: [blank] SHEET NO.: [blank]

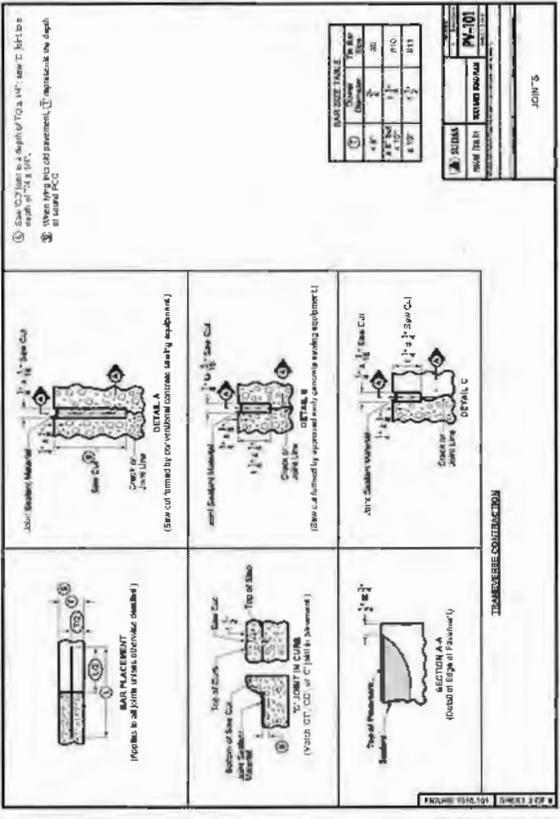
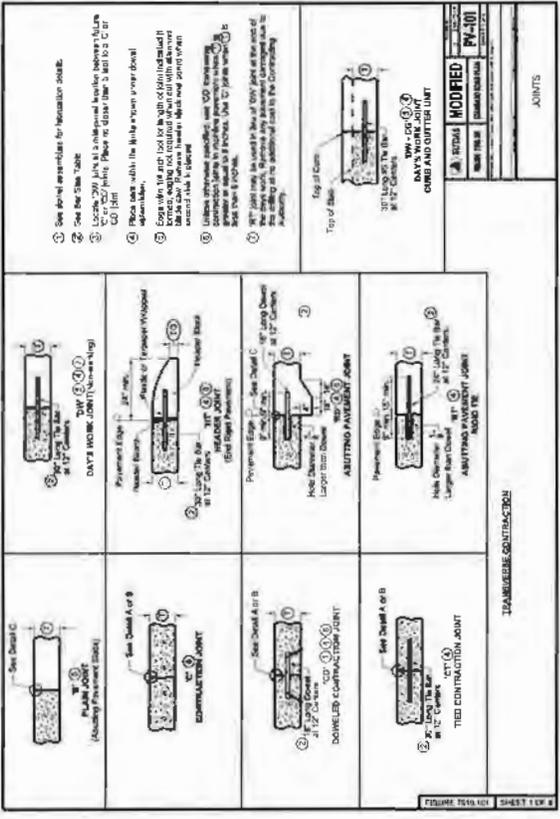
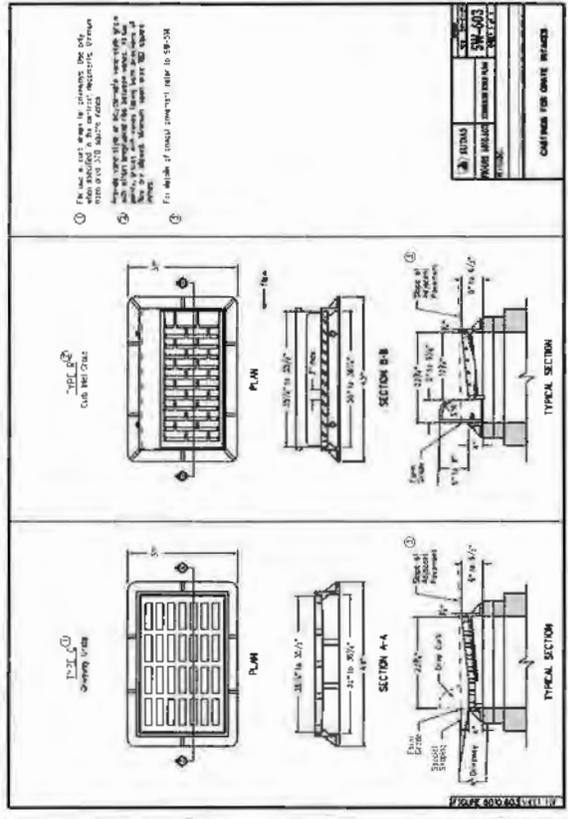
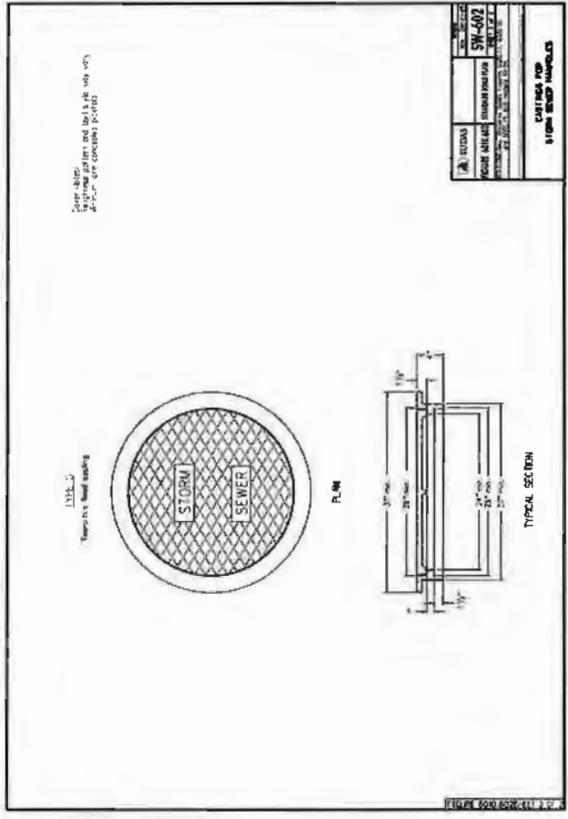
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BODINE, IA

TYPICAL CROSS SECTIONS AND DETAILS  
 SHEET NO. **B.06**





PROJECT: 14TH STREET RECONSTRUCTION  
SHEET: 3 OF 8

DATE: 11/15/11  
DRAWN BY: J. K. S. / J. K. S.  
CHECKED BY: J. K. S. / J. K. S.  
SCALE: AS SHOWN

PROJECT: 14TH STREET RECONSTRUCTION  
SHEET: 3 OF 8

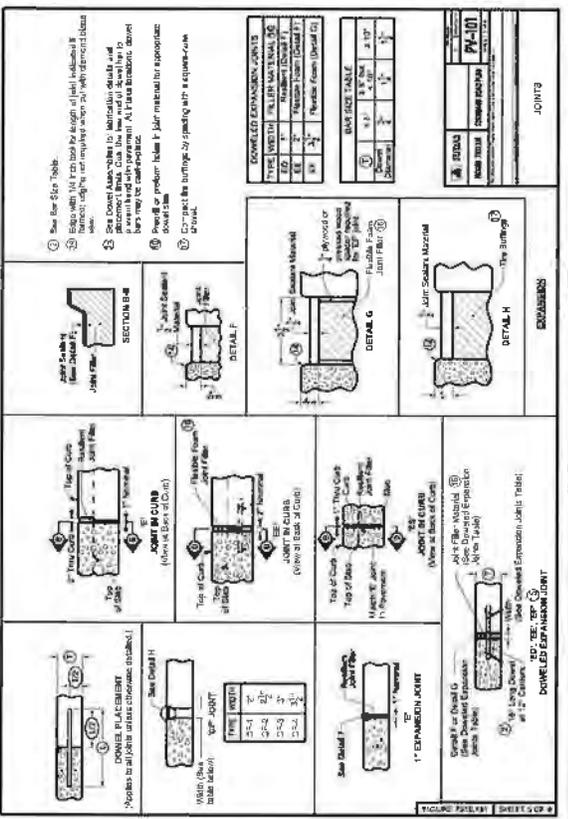
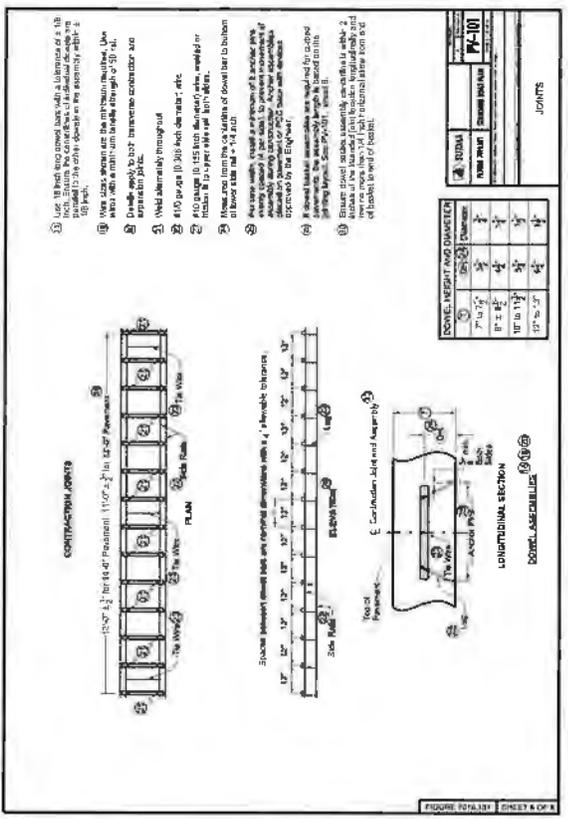
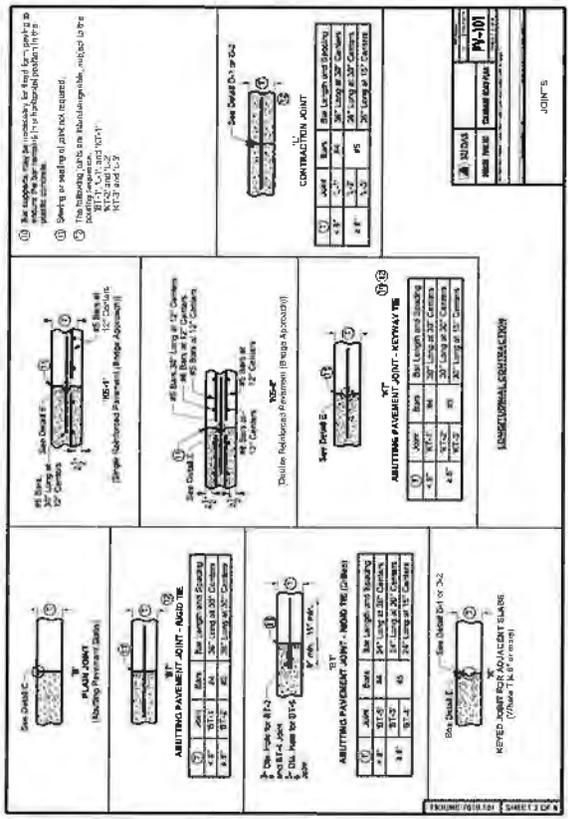
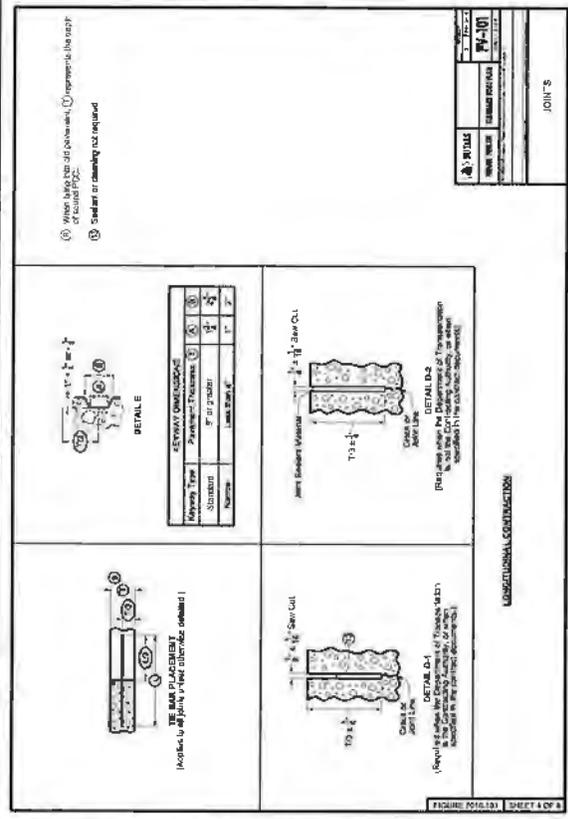
DATE: 11/15/11  
DRAWN BY: J. K. S. / J. K. S.  
CHECKED BY: J. K. S. / J. K. S.  
SCALE: AS SHOWN

PROJECT: 14TH STREET RECONSTRUCTION  
SHEET: 3 OF 8

DATE: 11/15/11  
DRAWN BY: J. K. S. / J. K. S.  
CHECKED BY: J. K. S. / J. K. S.  
SCALE: AS SHOWN

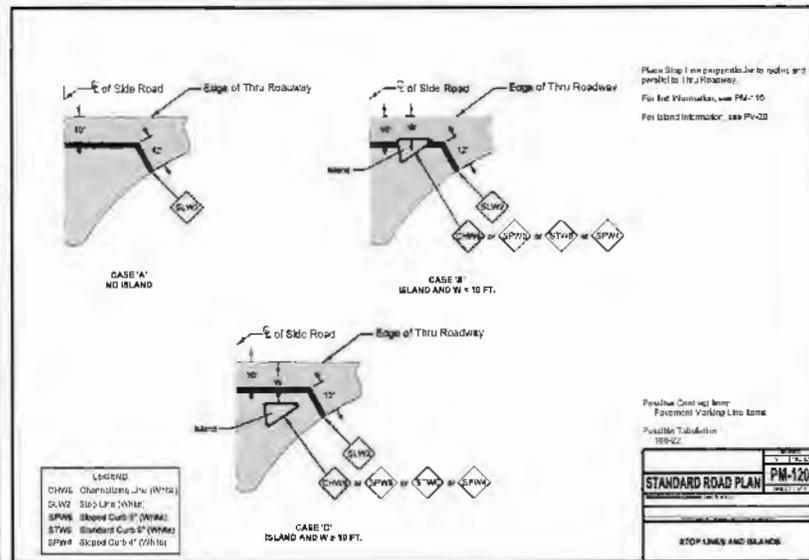
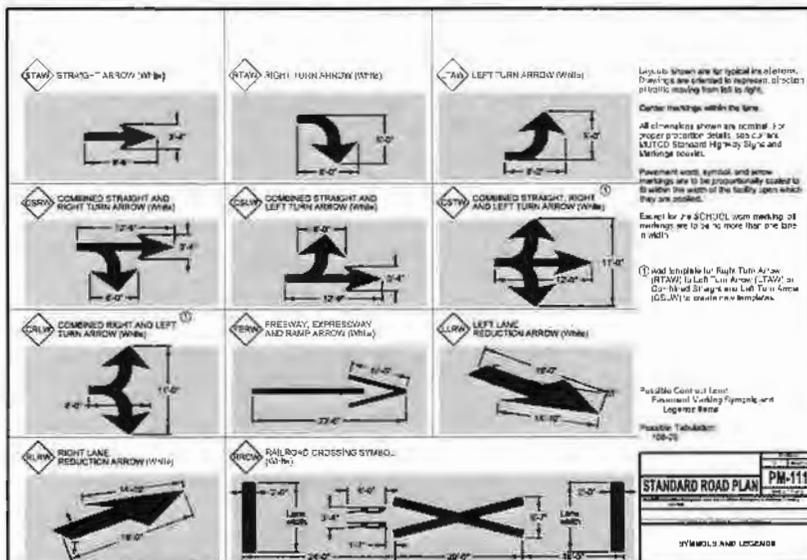
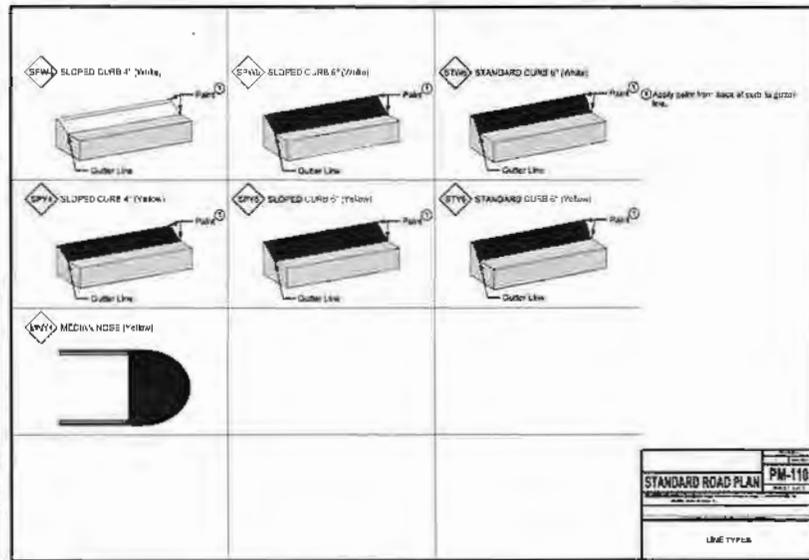
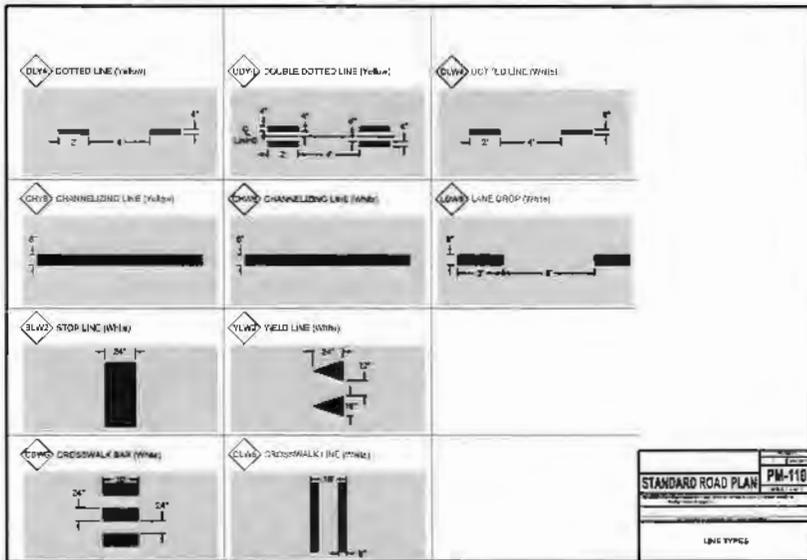
PROJECT: 14TH STREET RECONSTRUCTION  
SHEET: 3 OF 8

DATE: 11/15/11  
DRAWN BY: J. K. S. / J. K. S.  
CHECKED BY: J. K. S. / J. K. S.  
SCALE: AS SHOWN









PROJECT NO. 14000000	DESIGNED BY 3/18/07
DRAWN BY 1/18/07	CHECKED BY 2/27/07
DATE 1/18/07	SCALE 1/8" = 1'-0"

NO.	DATE	BY	REVISIONS OR COMMENTS



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

TYPICAL CROSS SECTIONS AND DETAILS

Sheet No. **B.12**

**ESTIMATED PROJECT QUANTITIES  
(1 DIVISION PROJECT)**

100-1A  
07-15-97

Item No.	Item Code	Item	Unit	Total	As BUILT Qty.
<b>DIVISION 1 - GENERAL</b>					
1.1	1090-D-1000	MOBILIZATION	LS	1	
1.2		CONSTRUCTION SURVEY	LS	3	
<b>DIVISION 2 - EARTHWORK, SUBGRADE, AND SUBBASE</b>					
2.1	2010-C-1000	CLEARING & GRUBBING	LS	1	
2.2	2010-D-1000	TOP SOIL, ON SITE	CY	803	
2.3	2010-D-3000	TOP SOIL, CONTRACTOR FURNISH	CY	500	
2.4	2010-F-1000	BELOW GRADE EXCAVATION (CORE OUT)	CY	350	
2.5	2010-G-1000	SUBGRADE PREPARATION, 6 IN.	SY	5686	
2.6	2010-H-1012	SUBGRADE TREATMENT, FLY ASH	SY	1040	
2.7	2010-H-2012	FLY ASH	TON	70	
2.8	2010-I-1000	MODIFIED SUBBASE, 6 IN.	SY	5686	
2.9	2010-J-1000	REMOVALS, AS PER PLAN	LS	1	
2.10		BRICK DRIVEWAY EDGING, REMOVE & SALVAGE	LI	45	
<b>DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION (NOT USED)</b>					
<b>DIVISION 4 - SEWERS AND DRAINS</b>					
4.1	4020-A-1012	STORM SEWER, TRENCHED, RCP, CLASS V, 12 IN.	LF	226	
4.2	4020-A-1015	STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.	LF	658	
4.3	4020-A-1024	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	LF	11	
4.4	4020-A-1048	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN.	LF	100	
4.5		REINFORCED CONCRETE TEE, STORM SEWER, 40"x15"	EA	2	
4.6	4020-A-2110	SPECIAL PIPE CONNECTION, STORM SEWER, SM-211	EA	5	
4.7	4020-C-1000	REMOVAL OF STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	420	
4.8	4020-C-2000	REMOVAL OF STORM SEWER PIPE GREATER THAN 36 IN.	LF	113	
4.9	4040-A-1000	SUBDRAIN, PVC, CLASS E, 6 IN.	LF	2200	
4.10	4040-D-1000	SUBDRAIN COLLECTOR SERVICE	EA	29	
4.11	4040-D-1100	SUBDRAIN, CONNECTION TO INTAKE OR STORM SEWER	EA	12	
4.12		FIELD TILE & FITTINGS, PVC UNSPECIFIED DIA.	LF	250	
4.13	4060-B-1000	VIDEO INSPECTION OF SEWERS	LS	1	
<b>DIVISION 5 - WATER MAINS AND APPURTENANCES</b>					
5.1	5020-A-1004	HYDRANT LEAD, TRENCHED, DIP, C151, CL2, 4 IN.	LF	40	
5.2	5020-A-1004	VALVE, GATE, 4 IN (LIVE INSERTION)	EA	3	
5.3	5020-C-1000	FIRE HYDRANT ASSEMBLY	EA	4	
5.4	5020-E-1000	VALVE BOX ADJUSTMENT, MINOR	EA	7	
5.5		REMOVAL OF FIRE HYDRANT	EA	4	
5.6		RELOCATION OF WATER MAIN	EA	2	
<b>DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWER</b>					
6.1	6010-A-1301	MANHOLE, SANITARY SEWER, SM-301, 48 IN.	EA	4	
6.2	6010-A-1401	MANHOLE, STORM SEWER, SM-401, 48 IN.	EA	4	
6.3	6010-A-2401	MANHOLE, STORM SEWER, SM-401, 84 IN.	EA	1	
6.4	6010-B-1501	INTAKE, SINGLE GRATE, SM-501	EA	22	
6.5	6010-B-1502	INTAKE, CIRCULAR SINGLE GRATE, SM-502, 48"	EA	1	
6.6	6010-B-1503	INTAKE, SINGLE GRATE W/ MANHOLE, SM-503	EA	1	
6.7	6010-E-1000	MANHOLE ADJUSTMENT, MAJOR	EA	2	
6.8	6010-H-1000	REMOVAL OF MANHOLE OR INTAKE	FA	18	
<b>DIVISION 7 - STREETS AND RELATED WORK</b>					
7.1	7010-A-1007	PAVEMENT, PCC, CLASS C, 7 IN.	SY	5067	
7.2	7030-A-1000	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY	SY	703	
7.3	7030-E-1000	SIDEWALK, PCC, 6 IN.	SY	472	
7.4	7030-G-1000	DETECTABLE MARKINGS	SP	320	
7.5	7030-H-1000	DRIVEWAY, PAVED, 6 IN.	SY	573	
7.6	7040-H-1000	PAVEMENT REMOVAL	SY	5054	
7.7		TEMPORARY GRANULAR ACCESS	TON	50	
<b>DIVISION 8 - TRAFFIC CONTROL</b>					
8.1		TRAFFIC CONTROL	LS	1	
8.2		PAINTED PAVEMENT MARKINGS, DURABLE	STA	13.61	
8.3		STREET SIGNS, REMOVAL & REINSTALLATION	LS	1	
<b>DIVISION 9 - SITE WORK AND LANDSCAPING</b>					
9.1	9010-H-1001	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1 (PERM. LAWN MIX)	ACRE	1	
9.2	9010-B-1004	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 4 (URBAN TEMP. MIX)	ACRE	1	
9.3	9010-D-1000	WATERING	MGAL	87	
9.4	9010-E-1000	WARRANTY	LS	1	
9.5	9040-A-2000	STORMWATER POLLUTION PREVENTION PLAN (SHPPP) MANAGEMENT	LS	1	
9.6	9040-D-1000	FILTER SOCK, INSTALLATION	LF	1250	
9.7	9040-D-2000	FILTER SOCK, REMOVAL	LF	1250	
9.8	9040-T-1000	INLET PROTECTION, INSTALLATION	EA	24	
9.9	9040-T-2000	INLET PROTECTION, MAINTENANCE	EA	24	

**ESTIMATE REFERENCE INFORMATION**

100-4A  
10-29-02

Item No.	Item Code	Description
<b>DIVISION 1 - GENERAL</b>		
1.1	1090-D-1000	MOBILIZATION Progress payment shall be made according to Section 1000, Part 1.05-D of the SDAS Standard Specifications.
1.2		CONSTRUCTION SURVEY This item shall include the all survey work necessary for construction of this project as intended by the contract documents and approved revisions. Control points have been included on sheet G.01 for reference. The Contractor will be responsible for maintaining all horizontal and vertical control within the project limits following completion of construction activities.
<b>DIVISION 2 - EARTHWORK, SUBGRADE, AND SUBBASE</b>		
2.1	2010-C-1000	CLEARING & GRUBBING Burning will not be allowed. Wood chips shall be hauled off site. Incidental to this item is the removal of all necessary fence/rock/debris/abandoned utilities encountered during construction.
2.2	2010-D-1000	TOP SOIL, ON SITE A. Bid Item includes the following quantities:  803 CY of STRIPPING 1183 CY of SPREADING + 50% Shrink 380 CY NET BORROW (REFER TO ITEM 2.3)  B. The volume of spreading was calculated using a 50% shrink factor for spreading material. This quantity was calculated by stripping the areas identified on the cross sections (typically upper 6-in. of topsoil) and placing of topsoil to a depth of 6-in. for finish grading. Payment for this item shall be based on the given plan quantity. Borrow Quantity will be paid under Item 2.3 (Top Soil, Contractor Furnish) C. The Contractor shall be responsible for identifying a location for the stockpiling of topsoil under this item.
2.3	2010-D-3000	TOP SOIL, CONTRACTOR FURNISH A. Bid Item includes the following quantities:  380 CY of SPREADING + 50% Shrink (Required Borrow) 120 CY of ADDITIONAL (To be Used at the Direction of the Engineer)  B. Required Borrow portion of this item shall be used in addition to On Site, Stripped Topsoil to provide the required Topsoil Placement depth of 6 inches for finished grading. C. Additional Quantity included for the replacement of unsuitable topsoil, as directed by the engineer. D. Item will be paid per Cubic Yard delivered and placed. E. Additional Quantity to be approved by the Engineer prior to placement. F. Payment shall be full compensation for furnishing, hauling, placing and grading of material under this item. G. Incidental to this item is the removal and disposal of unsuitable topsoil identified by the Engineer. H. Furnished Topsoil material shall meet all requirements of Section 2010 of the SDAS Standard Specifications.
2.4	2010-F-1000	BELOW GRADE EXCAVATION (CORE OUT) This item to be used at the direction of the Engineer. This item is to be used for the removal of materials deemed unsuitable as subgrade by the Engineer. This item will be paid per cubic yard of material removed at the direction of the Engineer. Payment shall be considered full compensation for all equipment, labor, and material necessary to remove unsuitable material and provide and place suitable subgrade material.
2.5	2010-G-1000	SUBGRADE PREPARATION, 6 IN. Excavation and grading necessary to bring Final Subgrade to desired elevation in both profile and cross-section shall be incidental to this item. Provide uniform composition of at least 6 inches below top of subgrade. Extend subgrade preparation 2 feet on each side of pavement.
2.6	2010-H-1018	SUBGRADE TREATMENT, FLY ASH This to be used at the direction of the Engineer. Estimated quantity based on a treated width to 2 ft beyond proposed back of curb for a length of 300 LF. Subgrade to be treated to a depth of 12 inches. Final quantities shall be paid per square yard treated as directed by the Engineer. Work under this item shall be in accordance with Section 2010 of the SDAS Standard Specifications.
2.7	2010-H-2012	FLY ASH This item to be used at the direction of the Engineer. Estimated quantity based on the Subgrade Treatment area under Item 2.6, a dry unit weight of 100pcf for the existing subgrade and an application rate of 15K by dry unit weight. Final quantities shall be paid per tons of fly ash used as directed by the Engineer. Work under this item shall be in accordance with Section 2010 of the SDAS Standard Specifications.
2.8	2010-I-1000	MODIFIED SUBBASE, 6 IN. Requirements of Modified Subbase to meet Sections 2115 and 4123 of the Iowa DOT Standard Specifications. See typical sections in B-Sheets and the D-Sheets for locations and details. Correct final Top of Subbase in both profile and cross section to within 0.05 foot of the desired elevation.
2.9	2010-J-1000	REMOVALS, AS PER PLAN Includes removal of miscellaneous items encountered during construction. Recompact trenches to a minimum 95% standard proctor density within Right-of-Way and to a minimum 90% standard proctor density for all other areas.
2.10		BRICK DRIVEWAY EDGING, REMOVE & SALVAGE Item includes all labor and equipment necessary for the removal and salvaging of brick landscaping edging from along the Driveway on Parcel 4. Edging to be removed prior to other removals or grading on the property. Edging shall be salvaged to the property owner and to a location designated by the property owner.

PROJECT NO: 100-1A  
PROJECT DATE: 07/15/97  
CAD DATE: 07/15/97  
CAD FILE: 100-1A.dwg

DRAWN BY: R. HOFF  
CHECKED BY: J. BOYCE  
DESIGN BY: R. HOFF



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
ESTIMATED PROJECT QUANTITIES

SHEET NO.  
C.01

**ESTIMATE REFERENCE INFORMATION**

189-4A  
18-29-92

Item No.	Item Code	Description
DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION (NOT USED)		
DIVISION 4 - SEWERS AND DRAINS		
4.1	4820-A-1812	STORM SEWER, TRENCHED, RCP, CLASS V, 12 IN.
4.2	4820-A-1815	STORM SEWER, TRENCHED, RCP, CLASS V, 15 IN.
4.3	4820-A-1824	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.
4.4	4820-A-1848	STORM SEWER, TRENCHED, RCP, CLASS III, 48 IN. Refer to List of Storm Sewer Pipe (184-58) on sheet M.01. Wrap Joints with engineering fabric and backfill with granular bedding/backfill material to top of proposed upgrade for trenches below proposed pavement. For trenches not under proposed pavement, backfill with granular bedding/backfill material to a minimum 6" above top of pipe. Compact backfill to a minimum 95% standard proctor density within right-of-way and to a minimum 90% standard proctor density for areas beyond right-of-way. The City will provide density testing. Storm sewer shall be Class V or Class III bell and spigot joint pipe. Incidental to this item is disposal of non-desirable backfill material and replacing with suitable material. Unit price includes Type C collar connections. Refer to Section 4820 of the Urban Standard Specifications for details and information. Class I granular bedding shall be incidental to this item.
4.5		REINFORCED CONCRETE TEE, STORM SEWER, 48"x35" Refer to List of Storm Sewer Pipe (184-58) and to the M-Sheets for location and details. Reinforced Concrete Tee to meet all requirements of Class III RCP Storm Sewer as specified in Section 4820 of the SUDAS Standard Specifications. Joints to be bell and spigot type and wrapped with engineering fabric. Back fill with granular bedding/backfill material to a minimum 6" above top of pipe. Compact backfill to a minimum standard proctor density of 95%. The City will provide density testing. Payment will be at the contract unit price and paid per each Reinforced Concrete Tee installed. Payment shall be considered full compensation for pre-cast concrete tee, granular bedding, backfill, engineering fabric, and all associated material, labor, and equipment necessary to complete construction of this item.
4.6	4820-A-2110	SPECIAL PIPE CONNECTION, STORM SEWER, SW-211 This item includes all material, labor, and equipment to construct the connection of Proposed Storm Sewer Improvements to existing pipe. Refer to the M-Sheets for locations and details. This item will be paid per each connection. Refer to SUDAS Figure 4820.211 in the C-Sheets for details.
4.7	4820-C-1000	REMOVAL OF STORM SEWER LESS THAN OR EQUAL TO 36 IN.
4.8	4820-C-2000	REMOVAL OF STORM SEWER GREATER THAN 36 IN. Refer to the M-Sheets and to the Storm Sewer Removal Tabulation (110-14) for locations and information. Payment shall be per linear foot removed. Item includes the removal and proper disposal of existing storm sewer pipe as shown in the plans.
4.9	4848-A-1008	SUBDRAIN, PVC, CASE E, 8 IN. Refer to Typical Cross Section on Sheet B.01, the M-Sheets, and the List of Subdrain Work (184-5C) on Sheet B.01 for locations and information. Refer to Figure 4848.231 in the S-Sheets for construction details. Subdrain shall be Corrugated PVC and conform to the requirements of Section 4848 of the SUDAS Standard Specifications. Pipe shall be ADS M-12 or Contech A2200 or approved equal.
4.10	4848-D-1000	SUBDRAIN COLLECTOR SERVICE STUB Refer to List of Subdrain Collector Services (F07H-1) in the C-Sheets for locations and information. Item includes all labor, equipment, and material necessary to install Subdrain Collector Services along the 8" Subdrain. Service shall consist of a 8"x4" wye, 4"x2" reducer, 2" PVC pipe, 2" cap, and other related fittings and shall conform to the requirements of Section 4848 of the SUDAS Standard Specifications. Refer to Figure F07H-1 in the S-Sheets for details. Item shall be paid at the contract unit price per each service stub installed.
4.11	4848-D-3200	SUBDRAIN CONNECTION TO INTAKE OR STORM SEWER Refer to the List of Subdrain Work (184-5C) on Sheet M.01 and to the M-Sheets for locations and information. Item shall be paid per each connection made at the contract unit price. Payment shall be considered full compensation for furnishing all labor, equipment, and materials necessary for each connection. Refer to Figure 4848.233 in the S-Sheets and Section 4848 of the SUDAS Standard Specifications for details. Grate type rodent guards shall be incidental to this item. Penetrations to be pre-cast or core-drilled only.
4.12		FIELD TILE & FITTINGS, PVC UNSPECIFIED DIA. This bid item includes all material and equipment to reconnect and/or repair existing field tile encountered during construction. Actual size to be determined in the field. Item shall be measured and paid for by the linear foot at the contract price. Materials and construction methods shall comply to Section 4848 of the Urban Standard Specifications.
4.13	4868-B-1800	VIDEO INSPECTION OF SEWERS Item to be completed after installation and backfill and prior to placement of pavement and in accordance with Section 4868 of the Urban Standard Specifications.
DIVISION 5 - WATER MAINS AND APPURTENANCES		
5.1	5818-A-1804	HYDRANT LEAD, TRENCHED, DIP, C151, CL2, 4 IN. Refer to the D-Sheets for locations and information. Included in this item is all material, equipment, and labor necessary to extend existing 4" hydrant leads to the proposed hydrant locations shown in the plans. Incidental to this item is the connection to existing and all fittings, including bends. Construction methods shall include measures to prevent contamination of the existing system and disinfection of the proposed improvements. Bacteria sampling complying to Section 5830 of the SUDAS Standard Specifications will be required. Disinfection procedures will be required for failed bacteria testing results or as the result of construction methods that allow for contamination.

**ESTIMATE REFERENCE INFORMATION**

189-4A  
18-29-92

Item No.	Item Code	Description
5.2	5820-A-1804	VALVE, GATE, 4 IN (LIVE INSPIRATION) Refer to List of Water Valve Assemblies (F07H-3) in the C-Sheets. Refer to D-sheets for locations and details. Valves shall be installed on existing Hydrant leads as shown in the plans. Insertion to be completed under live conditions and without service disruption to adjacent water main.
5.3	5828-C-1800	FIRE HYDRANT ASSEMBLY Refer to List of Hydrant Assemblies (F07H-2) in the C-Sheets and to the D-Sheets for locations and details. Hydrants shall have 1-inch square operating nut. Hydrant Assembly tee and gate valve will not be included under this item. Other components as described in Section 5828 Part 1.08-C of the SUDAS Standard Specifications shall remain incidental to this item. All fittings as shown in the plans shall be incidental to this item. Construction methods shall include measures to prevent contamination of the existing system and provide for disinfection of the proposed improvements in accordance with AWWA C651. Bacteria sampling complying with Section 5830 of the SUDAS Standard Specifications will be required. Disinfection procedures will be required for failed bacteria testing results or as the result of construction methods that allow for contamination. Construction methods shall include measures to prevent contamination.
5.4	5828-L-1800	VALVE BOX ADJUSTMENT, MINOR Refer to Sheet D.01 and to the Adjustment of Fixture Elevation (184-1B) for information and locations. Item shall be paid per each adjustment. This is to be considered full pavement for all material, equipment, and labor necessary to adjust fixtures to proposed elevations.
5.5		REMOVAL OF FIRE HYDRANT Refer to Tabulation (F07H-4) in C-Sheets and the D-Sheets for details and locations. This item is for removal and proper disposal of the existing fire hydrant assemblies.
5.6		RELOCATION OF WATER MAIN This item shall be used only with the approval of the engineer. Item includes all material, equipment, and labor necessary to eliminate conflicts with proposed storm relocation of existing water main as sewer improvements identified during construction. Incidental to this item is the removal and proper disposal of existing water main and the installation of pipe, fittings, and other appurtenances necessary to complete the relocation. Contractor to use construction methods that prevent contamination of existing water supply systems and the proposed improvements in accordance with AWWA C651. Bacteria sampling complying to Section 5830 of the SUDAS Standard Specifications will be required. Disinfection procedures will be required for failed bacteria testing results or as the result of construction methods that allow for contamination. Refer to Figure F07H-2 in the S-Sheets for details. Notify the City of Boone and affected residents 24 hrs before disruption of water service.
DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWER		
6.1	6818-A-1301	MANHOLE, SANITARY SEWER, SW-381, 48 IN. Refer to List of Sanitary Sewer (184-5D) in the C-Sheets for locations. Pre-cast structures will be allowed. Item shall be paid for each installed at contract price. Materials and Construction methods shall comply with Section 6818 of the SUDAS Standard Specifications. Manhole shall NOT include steps. Class I granular bedding shall be incidental to this item. Backfill with Class I granular material to top of proposed subgrade. Sanitary pipe and other material necessary to connect existing sanitary sewer to proposed manhole shall be incidental to this item. Provide leak proof connection from any new PVC pipe to existing sewer. Pipe connections shall be made with reinforced, flexible PVC couplings (Fernox or approved equal). Sanitary sewer system in the project area is known to have high flows. Bypass pumping maybe required during removal of existing and installation of proposed Manholes and shall be considered incidental to this item. Contractor shall be responsible for cleaning of downstream sewers if foreign material is allowed to enter the system.
6.2	6818-A-1401	MANHOLE, STORM SEWER, SW-401, 48 IN.
6.3	6818-A-2401	MANHOLE, STORM SEWER, SW-481, 84 IN. Refer to S-Sheets for details. Refer to List of Intakes and Utility Accesses on Sheet M.01. Pre-cast structures will be allowed. Manholes shall NOT include steps. Item shall be paid for each installed at contract price. Materials and Construction methods shall comply with Section 6818 of the SUDAS Standard Specifications. Class I granular bedding shall be incidental to this item. Backfill with Class I granular material to top of proposed subgrade.
6.4	6818-B-1501	INTAKE, SINGLE GRATE, SW-581
6.5	6818-B-1502	INTAKE, CIRCULAR SINGLE GRATE, SW-582, 48"
6.6	6818-B-1503	INTAKE, SINGLE GRATE W/ MANHOLE, SW-583 Refer to List of Intakes and Utility Accesses on Sheet M.01. Pre-cast structures will be allowed. Item shall be paid for each installed at contract unit price. Materials and Construction methods shall comply with Section 6818 of the SUDAS Standard Specifications.
6.7	6818-E-1800	MANHOLE ADJUSTMENT, MAJOR This item includes all material, labor, and equipment required to remove and replace the top cone section and casting of Sanitary Sewer Manhole. Item to be paid per each manhole adjusted at the contract unit price. Payment shall be considered full compensation for all manhole sections, adjustment rings, seals, castings, and all other material, equipment, and labor required to complete construction under this item and bring the rim to the elevation shown in the plans. Refer to sheet D.01 and Tabulation 184-1B for locations and details.
6.8	6818-H-1800	REMOVAL OF MANHOLE OR INTAKE Refer to Tabulation 110-15 in C-Sheets and to the D-Sheets and M-Sheets for details and locations. Item includes all labor and equipment necessary for the removal and proper off-site disposal of existing manhole and intake structures. Removal of existing pipe necessary for the removal of sanitary manholes shall be incidental to this bid item.

PROJECT NO. 1580301	DESIGNED BY	SAMPLE	NO.	DATE	BY	REVISION DESCRIPTION
PROJECT DATE 02/24/91	DRAWN BY	JEKKE				
DWG DATE 01/23/91 11:26:31 AM	URWBY	SAMPLE				
CAD FILE L:\pw\mkr\mkr\proj\1580301\1580301.dwg						



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
ESTIMATED PROJECT QUANTITIES

SHEET NO. C.02

**ESTIMATE REFERENCE INFORMATION**

100-44  
10-20-02

Item No.	Item Code	Description
<b>DIVISION 7 - STREETS AND RELATED WORK</b>		
7.1	7010-A-1007	PAVEMENT, PCC, CLASS C, 7 IN. Class C-3 or Class C-4 allowed. Conform to pavement smoothness requirements in accordance with Section 7010 Part 3 of the SUDAS Standard Specifications. Do not use backer rod in the pavement joints. Keyway joints will not be allowed. Refer to SUDAS Figure 1010.101 for details. Refer to L-Sheets for Geometrics, Staking, and Jointing Information. Incidental to this item is providing a temporary washout that meets EPA minimum BMP measures. Existing water service curb stops may be located directly behind existing and proposed back of curb. It shall be the responsibility of the Contractor to identify potential conflicts with paving operations and other construction activities. Existing curb stops will not be replaced or relocated by the City. Any replacements, relocations, or modifications shall be the responsibility of the Contractor and considered incidental to this item. All modifications shall limit disruption of service and be approved by the Engineer.
7.2	7030-A-1008	REMOVAL OF SIDEWALK, SHARED USE PATH, OR DRIVEWAY Properly dispose of all pavement off-site. Contractor will be responsible for providing additional full depth sawcuts to edges of concrete that have been damaged prior to placement of the proposed pavement.
7.3	7030-E-1006	SIDEWALK, PCC, 6 IN. This item shall be used for all pedestrian ramps and sidewalks. Refer to the L-Sheets and S-Sheets for locations and staking information. Incidental to this item is any over excavation and bedding material required to stabilize the subgrade prior to construction of the sidewalk. Incidental to this item is providing a temporary washout that meets EPA minimum BMP measures. Construct all sidewalks to comply with ADA and PROWAG requirements. Incidental to this item is providing temporary access per special construction section of specifications.
7.4	7030-G-1000	DETECTABLE MARKINGS Detectable warning devices shall consist of pre-manufactured vitrified polymer composite (VPC) cast-in-place tactile panels. Pre-manufactured detectable warning panel approved product: Armor-Tile, manufactured by Engineered Plastics Inc., ADA Solutions, or approved equal. Panel color shall be red (Armor-Tile - Brick Red or ADA Solutions - Clay Red). Pre-manufactured detectable warnings shall be installed at all public street crossings.
7.5	7030-H-1000	DRIVEWAY, PAVED, 6 IN. Class C-3 or Class C-4 allowed. These items include a minimum of 6-in. subgrade preparation and 6" of granular subbase extending 1-ft. beyond the pavement edges. Refer to L-sheets for geometrics, staking and jointing details and to the tabulation of Access Points and Safety Ramps (102-3) for locations and details. Refer to SUDAS Figure 7030.101 for additional details. Incidental to this item is providing a temporary washout that meets EPA minimum BMP measures.
7.6	7040-H-1000	PAVEMENT REMOVAL Properly dispose of all pavement off-site. Contractor will be responsible for providing additional full depth sawcuts to edges of pavement that have been damaged prior to placement of the proposed pavement.
7.7		TEMPORARY GRANULAR ACCESS Item includes Class A crushed stone placed to 8" depth. Payment will be per Ton placed at the contract unit cost. Payment shall be considered full compensation for material, labor, and equipment necessary for the placement, maintenance, and removal of Class A crushed stone to provide temporary access for Parcel 3. Item to be used only at the direction of the Engineer.
<b>DIVISION 8 - TRAFFIC CONTROL</b>		
8.1		TRAFFIC CONTROL Refer to 3 Sheets. This bid item shall include all signs and barricades as detailed hereon and as required by the Engineer and all other work necessary to control traffic during construction. All traffic control signs shall be fluorescent orange VPI sheeting. All traffic control shall meet the requirements of the City of Boone and the 2009 Manual on Uniform Traffic Control Devices (MUTCD). Staging of construction will include full closure of Crawford Street at each intersection. Incidental to this item is traffic control necessary to provide temporary access to Parcel 3 and restrict access use to the resident and property owner.
8.2		PAINTED PAVEMENT MARKINGS, DURABLE This bid item shall include all materials and equipment necessary for installation of pavement markings as shown in the plans. Incidental to this item is groove cutting for pavement markings. This item shall be performed in accordance with applicable sections of the Iowa DOT Standard Specifications Section 2527 - Pavement Markings. Refer to 8-Sheets for details. Refer to the Pavement Marking Tabulation (108-22) in the C-Sheet and to Sheet 1.06 for locations and details.
8.3		STREET SIGNS, REMOVAL & REINSTALLATION Contractor to remove, salvage, and reinstall all permanent street signs as necessary to complete construction. Reinstall signs to condition equal to or improved from existing. Any signs damaged during removal or reinstallation will be replaced at no cost to the city. Item will be paid per Lump Sum for the removal and reinstallation of all signs in conflict with proposed improvements. Payment will be considered full compensation for the removal, salvage, safe storage, and reinstallation of existing signs and any related materials, equipment, and labor.
<b>DIVISION 9 - SITE WORK AND LANDSCAPING</b>		
9.1	9010-B-1001	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1 (PERK. LAWN MIX) The top six (6) inches of the seeded shall be free of rocks and debris and shall be suitable for the establishment of vegetation with the approval of the Engineer. Total seeded area was calculated to the limits of the Temporary and Permanent Easements. Restoration of any areas disturbed beyond these limits shall be the responsibility of the Contractor and completed at no cost to the Owner.

**ESTIMATE REFERENCE INFORMATION**

100-44  
10-20-02

Item No.	Item Code	Description
9.2	9010-B-1004	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 4 (URBAN TBM MIX) This item to be used at the direction of the Engineer to temporarily stabilize disturbed area until the spring or fall seeding dates. Total seeded area was calculated in the same manner as in Item 9.1. Temporary seeding of any disturbed areas beyond these limits shall be the responsibility of the Contractor and shall be completed at no cost to the Owner.
9.3	9010-D-1000	WATERING Watering is required for all areas receiving permanent seed. Sufficiently water to keep the soil moist for a minimum of 21 days. If natural rainfall is adequate to keep the soil and mulch moist, artificial watering may not be needed. Item will be paid per 1,000 gallons applied. The City will provide water for this item.
9.4	9010-E-1000	WARRANTY This item is to guarantee completed permanent seeding areas for a period of twelve months after acceptance of the seeding. This item includes all work and material required to correct defective areas of original seeding.
9.5	9040-A-2000	STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MANAGEMENT This item to include all costs associated with preparation, implementation, and monitoring of a Storm Water Pollution Prevention Plan and all necessary pollution control measures to be constructed and maintained by the Contractor for the duration of this project. This includes silt fence, erosion control socks, temporary intake protection, etc. It is the responsibility of the Contractor to complete weekly reports and submit inspections to the City within 48-hours. Any pollution control measures in excess of other bid items quantities as required by the Contractors SWPPP shall be included as part of this item.
9.6	9040-D-1000	FILTER SOCK, INSTALLATION
9.7	9040-D-2000	FILTER SOCK, REMOVAL This item to be used as necessary during construction, as approved by the Engineer.
9.8	9040-T-1000	INLET PROTECTION, INSTALLATION
9.9	9040-T-2000	INLET PROTECTION, MAINTENANCE See CC-Sheets for information and locations.

**REMOVAL OF PAVEMENT**

Refer to Tabulation 102-5

110-11  
04-16-13

Bcgrn Station	End Station	Side	Pavement Type	Area		Saw Cut*	Remarks
				SF	LF		
10+00.11	23+05.00	BOTH	PCC/PPA	5854.0	298.0		MAINLINE CRAWFORD AND SIDE STREET REMOVAL

**REMOVAL OF INTAKES AND UTILITY ACCESSES**

110-15  
04-16-13

No.	Location/Description	Type	Remarks
1	STA. 11+20.98, 15.66' LT	STORM INTAKE	NOTE #3 - SHEET M.02
2	STA. 11+22.95, 16.59' RT	STORM INTAKE	NOTE #4 - SHEET M.02
3	STA. 11+42.00, 0.69' LT	SANITARY MH	NOTE #4 - SHEET D.01
4	STA. 11+60.53, 17.31' RT	STORM INTAKE	NOTE #6 - SHEET M.02
5	STA. 11+62.53, 15.93' LT	STORM INTAKE	NOTE #8 - SHEET M.02
6	STA. 14+90.59, 17.35' RT	STORM INTAKE/MH	NOTE #9 - SHEET M.02
7	STA. 15+04.27, 44.11' RT	STORM MANHOLE	NOTE #11 - SHEET M.02
8	STA. 15+18.33, 0.57' LT	SANITARY MH	NOTE #5 - SHEET D.01
9	STA. 15+35.99, 17.36' LT	STORM INTAKE/MH	NOTE #16 - SHEET M.02
10	STA. 15+36.31, 16.98' RT	STORM INTAKE/MH	NOTE #14 - SHEET M.02
11	STA. 18+66.69, 17.31' RT	STORM INTAKE/MH	NOTE #2 - SHEET M.03
12	STA. 18+86.95, 0.20' LT	SANITARY MH	NOTE #2 - SHEET D.02
13	STA. 19+04.69, 17.31' LT	STORM INTAKE/MH	NOTE #7 - SHEET M.03
14	STA. 19+05.55, 16.78' RT	STORM INTAKE/MH	NOTE #5 - SHEET M.03
15	STA. 22+37.17, 20.38' RT	STORM INTAKE/MH	NOTE #2 - SHEET M.04
16	STA. 22+57.93, 0.02' RT	SANITARY MH	NOTE #3 - SHEET D.03
17	STA. 22+77.45, 19.51' LT	STORM INTAKE/MH	NOTE #7 - SHEET M.04
18	STA. 22+79.96, 17.35' RT	STORM INTAKE/MH	NOTE #5 - SHEET M.04

PROJECT NO.	100-44	ISSUED BY	J. ARFFLE
PROJECT DATE	10/20/02	DATE BY	J. ARFFLE
CAD DATE	10/20/02	DATE BY	J. ARFFLE
CAD FILE	100-44.dwg		



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
ESTIMATED PROJECT QUANTITIES

SHEET NO.  
**C.03**

110-14  
MODIFIED

**STORM SEWER REMOVAL**

Location/Description	Sanitary or Storm Sewer	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material* Flowable Mortar or CLSM	Remarks
			≤ 36 Inch diameter	> 36 Inch diameter		
			LF	LF		
STA. 11+20.10, 55.72' LT TO STA. 11+22.40, 57.29' RT	Storm Sewer	Removal		113		NOTE #2 - SHEET M.02
STA. 11+22.05, 56.09' RT TO STA. 11+60.53, 37.31' RT	Storm Sewer	Removal	38			NOTE #5 - SHEET M.02
STA. 11+60.53, 37.31' RT TO STA. 11+62.53, 35.93' RT	Storm Sewer	Removal	33			NOTE #7 - SHEET M.02
STA. 14+94.50, 28.66' RT TO STA. 15+04.27, 44.11' RT	Storm Sewer	Removal	27			NOTE #10 - SHEET M.02
STA. 15+04.27, 44.11' RT TO STA. 15+04.25, 52.71' RT	Storm Sewer	Removal	9			NOTE #12 - SHEET M.02
STA. 14+96.50, 37.35' RT TO STA. 15+36.31, 26.68' RT	Storm Sewer	Removal	40			NOTE #13 - SHEET M.02
STA. 15+36.31, 26.68' RT TO STA. 15+36.31, 26.98' RT	Storm Sewer	Removal	34			NOTE #15 - SHEET M.02
STA. 18+05.23, 18.59' RT TO STA. 18+70.96, 60.76' RT	Storm Sewer	Removal	43			NOTE #3 - SHEET M.03
STA. 18+66.69, 17.32' RT TO STA. 19+05.55, 26.28' RT	Storm Sewer	Removal	39			NOTE #4 - SHEET M.03
STA. 19+04.60, 17.33' LT TO STA. 19+05.55, 26.28' RT	Storm Sewer	Removal	39			NOTE #6 - SHEET M.03
STA. 22+35.00, 21.19' RT TO STA. 23+34.48, 53.25' RT	Storm Sewer	Removal	32			NOTE #3 - SHEET M.04
STA. 22+35.00, 21.19' RT TO STA. 22+81.04, 29.83' RT	Storm Sewer	Removal	47			NOTE #4 - SHEET M.04
STA. 22+78.44, 21.67' LT TO STA. 33+79.96, 17.35' RT	Storm Sewer	Removal	39			NOTE #6 - SHEET M.04

102-3  
10-15-13

**ACCESS POINTS AND SAFETY RAMPS**

Refer to Cross-Sections

Location		Type	Length of Opening (1)			Pipe Culvert (1)				Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks					
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1X" Dropped Curb	3" Dropped Curb	W	FR	SA	H		Size	Pipe Length			LF	LF	LF	LF	SY
12+89.37	LT	A	1 or 2	20.0		14.0												36.2	
12+99.53	RT	A		16.0		10.0												26.4	
13+55.13	LT	A		18.0		12.0												32.1	
13+56.46	RT	A		16.0		10.0												26.5	
14+13.82	LT	A		18.0		12.0												31.9	
14+14.75	RT	A		17.0		11.0												29.1	
14+73.81	LT	A		16.0		11.0												33.5	
16+07.74	LT	A		14.0		8.0												22.1	
16+62.53	RT	A		14.0		8.0												22.1	
16+67.00	LT	A		25.0		9.0												24.5	
17+25.00	RT	A		17.0		11.0												24.0	
17+25.18	LT	A		19.0		13.0												33.6	INCLUDES 6" SIDEWALK
17+81.87	RT	A		13.0		7.0												23.3	INCLUDES 6" SIDEWALK
19+74.11	LT	A		14.5		11.0												33.2	INCLUDES 6" SIDEWALK
19+88.91	LT	A		14.5		11.0												33.2	INCLUDES 6" SIDEWALK
20+30.35	RT	A		15.0		9.0												24.5	
20+40.00	LT	A		24.0		7.0												19.8	PROVIDE 24.0' CURB DROP
20+57.90	RT	A		15.0		9.0												24.5	
21+55.04	LT	A		21.0		15.0												39.3	
21+57.90	RT	A		14.0		8.0												22.2	

FOTH-2  
MODIFIED

**LIST OF HYDRANT ASSEMBLIES**

Location	Top of Ground Elevation	Notes
STA. 12+83.00, 22.90' RT	1124.10	
STA. 15+52.69, 22.00' RT	1124.92	
STA. 19+23.38, 22.00' RT	1126.71	
STA. 22+93.95, 22.00' RT	1128.84	22.5' BEND

FOTH-3  
MODIFIED

**LIST OF WATER VALVE ASSEMBLIES**

Location	Type	Size (Inches)	Notes
11+83.04, 12.00' RT	GATE	4	
15+52.69, 12.00' RT	GATE	4	
19+23.38, 12.00' RT	GATE	4	

110-5  
10-29-15

**SIDEWALK REMOVAL**

* Not a bid item		Remarks			
Begin Station	End Station	Area SY	Saw Cut* LF	LF	
10+90.71	11+26.62	29.3	6.0		SE CORNER 14TH ST
10+94.71	11+26.52	26.0	4.0		SW CORNER 14TH ST
11+57.51	11+93.66	31.7	7.0		NE CORNER 14TH ST
11+57.57	11+95.44	26.2	8.0		NW CORNER 14TH ST
14+78.63	15+01.24	28.3	3.0		SE CORNER 15TH ST
14+68.31	15+01.15	25.3	4.0		SW CORNER 15TH ST
15+32.30	15+63.61	26.0	7.0		NE CORNER 15TH ST
15+32.00	15+55.61	25.7	7.0		NW CORNER 15TH ST
17+39.50	17+39.50	4.6	8.0		
17+76.37	17+85.37	2.9	8.0		
18+47.47	18+70.09	22.7	7.0		SE CORNER 16TH ST
18+47.47	18+69.92	11.4	4.0		SW CORNER 16TH ST
19+01.22	19+24.46	22.8	7.0		NE CORNER 16TH ST
19+00.91	19+23.44	23.0	8.0		NW CORNER 16TH ST
19+68.53	19+94.41	11.2	8.0		
22+10.04	22+41.84	21.9	4.0		SE CORNER 17TH ST
22+18.04	22+41.64	23.6	7.0		SW CORNER 17TH ST
22+72.60	22+96.10	23.2	7.0		NE CORNER 17TH ST
22+72.55	22+96.10	27.3	8.0		NW CORNER 17TH ST

110-8  
08-01-08

**REMOVAL OF CONCRETE DRIVES**

Location	Area SY	Remarks
12+89.29 LT	32.4	
12+99.38 RT	27.0	
13+55.13 LT	29.4	
14+14.46 LT	28.6	
14+15.22 RT	28.0	
14+74.00 LT	27.1	
17+24.65 LT	30.7	
19+74.87 LT	25.0	
20+49.42 LT	17.2	
20+57.71 RT	23.7	
21+58.00 RT	15.9	

FOTH-4  
MODIFIED

**HYDRANT ASSEMBLY REMOVALS**

Location	Each	Notes
11+83.00, 16.0' RT	1	
15+53.01, 16.1' RT	1	
19+23.50, 17.0' RT	1	
22+91.60, 16.6' RT	1	

100-13A  
08-01-06

**SAFETY CLOSURES**

Refer to Section 2518 of the Standard Specifications

Station	Closure Type	Remarks
10+82.84	2	
11+56.52	4	14TH STREET INTERSECTION
15+32.16	4	15TH STREET INTERSECTION
18+80.45	4	16TH STREET INTERSECTION
22+62.37	4	17TH STREET INTERSECTION
23+13.04	2	

PROJECT NO: 120113  
DESIGNED BY: WHP/PLP  
PROJECT DATE: 08/14/07  
DRAWN BY: JONKE  
CDD FILE: 120113\0814\_120113.dwg  
DATE: 11/16/11  
DRAWN BY: WHP/PLP

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
ESTIMATED PROJECT QUANTITIES

SHEET NO. C.04

**SANITARY SEWER**

104-50  
MODIFIED

\* Bid Item  
\*\* For SM-545

**INTAKES AND UTILITY ACCESS**

**PIPE**

No.	Location Station and Offset	Type or Standard Road Plan*	Form Grade			Extension Length**	Notes	Line Number	Access No.		Type	Pipe Dia.	Bid Length	Design Length	Slope%	Flow Lines			Pipe Profile Sheet No.	Notes
			Elev.	Elev.	FT				From	To						Inlet Elevation	Outlet Elevation	Other Elevation		
MH-1	STA. 22+57.93, 0.02' RT	SM-301 48"	1128.34	1128.61			SM-1	EXIST.	MH-1	PVC	10.0	10.0	8.0	0.43	1321.14	1321.11		D.03	CONTRACTOR TO VERIFY TIE-IN ELEV.	
MH-2	STA. 18+86.95, 0.20' LT	SM-301 48"	1126.02	1118.98			SM-2	MH-1	EXIST.	PVC	10.0	10.0	8.0	0.43	1321.11	1321.06		D.03	CONTRACTOR TO VERIFY TIE-IN ELEV.	
MH-3	STA. 15+18.33, 0.57' LT	SM-301 48"	1124.79	1117.58			SM-3	EXIST.	MH-2	PVC	10.0	10.0	8.0	0.43	1119.52	1119.49		D.02	CONTRACTOR TO VERIFY TIE-IN ELEV.	
MH-4	STA. 11+42.80, 0.69' LT	SM-301 48"	1124.14	1124.99			SM-4	MH-2	EXIST.	PVC	10.0	10.0	8.0	0.36	1319.48	1319.45		D.02	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-5	EXIST.	MH-3	PVC	10.0	10.0	8.0	0.36	1318.18	1318.15		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-6	MH-3	EXIST.	PVC	10.0	10.0	8.0	0.46	1318.08	1318.12		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-7	EXIST.	MH-4	PVC	10.0	10.0	8.0	0.46	1316.40	1316.36		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-8	MH-4	EXIST.	PVC	10.0	10.0	8.0	EXIST.	1315.55	EXIST.		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-9	EXIST.	MH-4	PVC	10.0	10.0	8.0	EXIST.	EXIST.	1315.49		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	
							SM-10	MH-4	EXIST.	PVC	8.0	6.0	4.0	EXIST.	EXIST.	1315.68		D.01	CONTRACTOR TO VERIFY TIE-IN ELEV.	

**ADJUSTMENT OF FIXTURES**

104-10  
08-01-08

No.	Location Station	Type of Fixture	Adjustment
1	STA. 11+30.21, 23.25' RT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1124.15
2	STA. 11+32.88, 0.00' RT	SANITARY MANHOLE	ADJUST EXIST. MANHOLE TO PROPOSED ELEV = 1124.11
3	STA. 11+43.66, 23.13' RT	SANITARY MANHOLE	ADJUST EXIST. MANHOLE TO PROPOSED ELEV = 1123.87
4	STA. 11+57.25, 10.63' RT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1123.77
5	STA. 11+63.80, 6.00' LT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1123.77
6	STA. 11+67.33, 21.30' RT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1124.14
7	STA. 22+71.61, 9.65' RT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1128.30
8	STA. 22+81.62, 24.24' RT	WATER VALVE	ADJUST EXIST. WATER VALVE TO PROPOSED ELEV = 1128.65
9	STA. 22+91.45, 14.90' RT	WATER VALVE	ADJUST EXIST. HYDRANT VALVE TO PROPOSED ELEV = 1128.60

**LIST OF SUBDRAIN COLLECTOR SERVICES**

FOFH-1  
MODIFIED

Station Location	Offset	Side	Notes
12+50.00	15.5	LY	PARCEL #1 - 1083 CRAWFORD STREET
12+00.72	15.5	RT	PARCEL #18 - 503 14TH STREET
12+72.00	15.5	LY	PARCEL #13 - 1089 CRAWFORD STREET
12+68.72	15.5	RT	PARCEL #19 - 1410 CRAWFORD STREET
13+28.72	15.5	RT	PARCEL #20 - 1416 CRAWFORD STREET
13+30.00	15.5	LT	PARCEL #4 - 1415 CRAWFORD STREET
13+70.22	15.5	RT	PARCEL #21 - 1420 CRAWFORD STREET
13+83.00	15.5	LT	PARCEL #5 - 1421 CRAWFORD STREET
14+40.72	15.5	LY	PARCEL #6 - 1427 CRAWFORD STREET
14+68.72	15.5	RT	PARCEL #22 - 1428 CRAWFORD STREET
15+60.72	15.5	LY	PARCEL #7 - 1503 CRAWFORD STREET
15+73.00	15.5	RT	PARCEL #23 - 1502 CRAWFORD STREET
16+47.00	15.5	LY	PARCEL #8 - 1509 CRAWFORD STREET
16+38.72	15.5	RT	PARCEL #24 - 1510 CRAWFORD STREET
17+00.50	15.5	LY	PARCEL #9 - 1515 CRAWFORD STREET
16+99.72	15.5	RT	PARCEL #25 - 1516 CRAWFORD STREET
17+65.00	15.5	LT	PARCEL #10 - 1527 CRAWFORD STREET
17+60.00	15.5	RT	PARCEL #26 - 1522 CRAWFORD STREET
18+20.00	15.5	RT	PARCEL #27 - 1528 CRAWFORD STREET
19+00.00	15.5	LT	PARCEL #11 - 1603 CRAWFORD STREET
19+48.72	15.5	RT	PARCEL #28 - 1604 CRAWFORD STREET
20+00.72	15.5	LT	PARCEL #12 - 1609 CRAWFORD STREET
20+02.00	15.5	RT	PARCEL #29 - 1610 CRAWFORD STREET
20+03.72	15.5	LT	PARCEL #13 - 1615 CRAWFORD STREET
20+03.72	15.5	RT	PARCEL #30 - 1616 CRAWFORD STREET
21+13.72	15.5	LT	PARCEL #14 - 1625 CRAWFORD STREET
21+15.00	15.5	RT	PARCEL #11 - 1622 CRAWFORD STREET
21+88.72	15.5	LT	PARCEL #15 - 1627 CRAWFORD STREET
21+88.72	15.5	RT	PARCEL #32 - 1628 CRAWFORD STREET

PROJECT NO: 104-10  
 PROJECT DATE: 08/20/08  
 EXD DATE: 08/20/08 11:38:55 AM  
 EXD FILE: C:\pwworking\pwworking\104-10\104-10.dwg

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

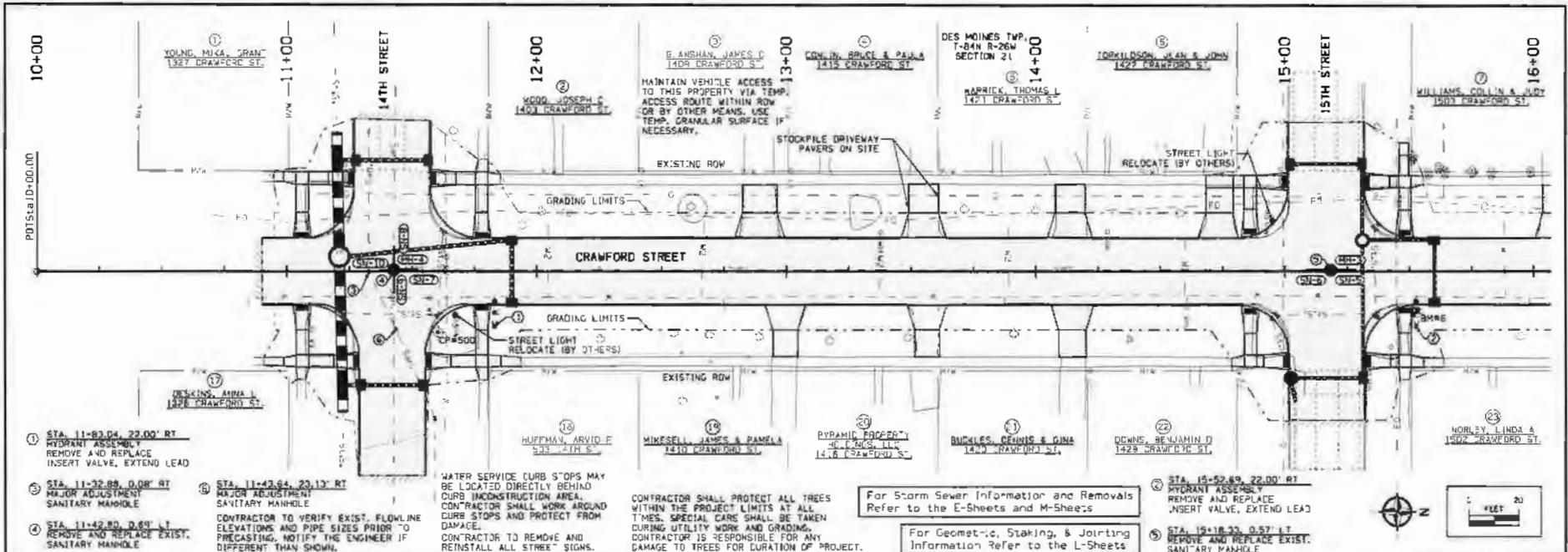
SUBJECT TO CHANGE  
 ESTIMATED PROJECT QUANTITIES

SHEET NO.:  
**C.05**

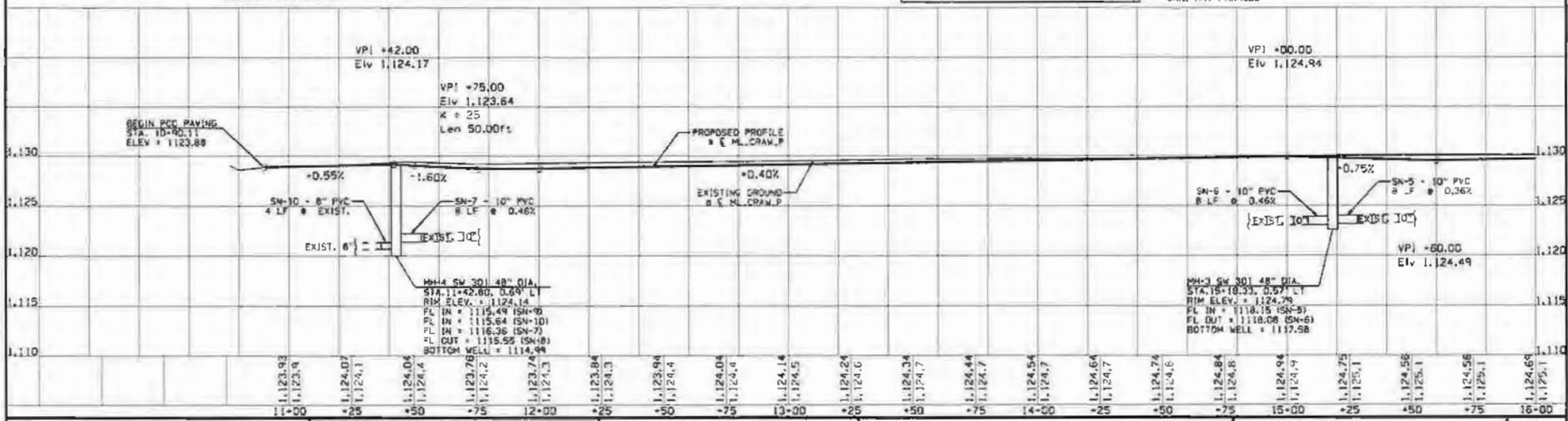
**PAVEMENT MARKING LINE TYPES**

MPV4 - Place on the base side of the roadway to match existing markings near the project.  
 MPV2 - For existing purposes only. No possible zone lines will be located in the field.  
 CLM4 - Double Centerline (Yellow) # 2.00  
 BLM4 - Broken Line (White) # 0.25  
 ELM4 - Edge Line (White) # 1.00  
 MPV4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.  
 See PM-119  
 Length by Line Type (Unfactored)

Road ID	Station to Station	Dist. of Travel	Location	Marking Type	Slide	Length by Line Type (Unfactored)												Remarks		
						CLM4	DCV4	MPV4**	BLM4	ELM4	ELV4	51A	51A	51A	51A	51A	51A			
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
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14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
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14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
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CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
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CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
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14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
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14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
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CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	11+89.71	80TH	Durable Paint	X	0.30														
14TH ST	100+43.58	108+43.60	80TH	Durable Paint	X	0.30														
14TH ST	100+50.58	108+50.60	80TH	Durable Paint	X	0.30														
14TH ST	101+16.68	101+16.70	80TH	Durable Paint	X	0.26														
14TH ST	101+24.68	101+24.70	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+02.71	11+42.71	80TH	Durable Paint	X	0.26														
CRAWFORD ST	11+49.71	1																		



- ① STA. 11-83.04, 22.00' RT HYDRANT ASSEMBLY REMOVE AND REPLACE INSERT VALVE, EXTEND LEAD
- ② STA. 11-32.89, 0.08' RT MAJOR ADJUSTMENT SANITARY MANHOLE
- ③ STA. 11-42.80, 0.69' LT REMOVE AND REPLACE EXIST. SANITARY MANHOLE
- ④ STA. 11-42.64, 23.13' RT MAJOR ADJUSTMENT SANITARY MANHOLE CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING, NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.
- ⑤ WATER SERVICE CURB STOPS MAY BE LOCATED DIRECTLY BEHIND CURB UNDER CONSTRUCTION AREA. CONTRACTOR SHALL WORK AROUND CURB STOPS AND PROTECT FROM DAMAGE. CONTRACTOR TO REMOVE AND REINSTALL ALL STREET SIGNS.
- ⑥ CONTRACTOR SHALL PROTECT ALL TREES WITHIN THE PROJECT LIMITS AT ALL TIMES. SPECIAL CARE SHALL BE TAKEN DURING UTILITY WORK AND GRADING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO TREES FOR DURATION OF PROJECT.
- ⑦ For Storm Sewer Information and Removals Refer to the E-Sheets and M-Sheets
- ⑧ For Geometric, Staking, & Jointing Information Refer to the L-Sheets
- ⑨ STA. 15-52.69, 22.00' RT HYDRANT ASSEMBLY REMOVE AND REPLACE INSERT VALVE, EXTEND LEAD
- ⑩ STA. 15-18.33, 0.57' LT REMOVE AND REPLACE EXIST. SANITARY MANHOLE



STATION	ELEVATION
11+00	1.123.93
11+25	1.123.9
11+50	1.124.07
11+75	1.124.1
12+00	1.124.06
12+25	1.124.4
12+50	1.123.74
12+75	1.124.2
13+00	1.123.74
13+25	1.124.3
13+50	1.123.84
13+75	1.124.4
14+00	1.124.04
14+25	1.124.4
14+50	1.124.7
14+75	1.124.44
15+00	1.124.7
15+25	1.124.54
15+50	1.124.7
15+75	1.124.64
16+00	1.124.7
16+25	1.124.74
16+50	1.124.6
16+75	1.124.84
17+00	1.124.6
17+25	1.124.94
17+50	1.124.79
17+75	1.125.1
18+00	1.124.96
18+25	1.125.1
18+50	1.124.56
18+75	1.125.1
19+00	1.124.69
19+25	1.125.1

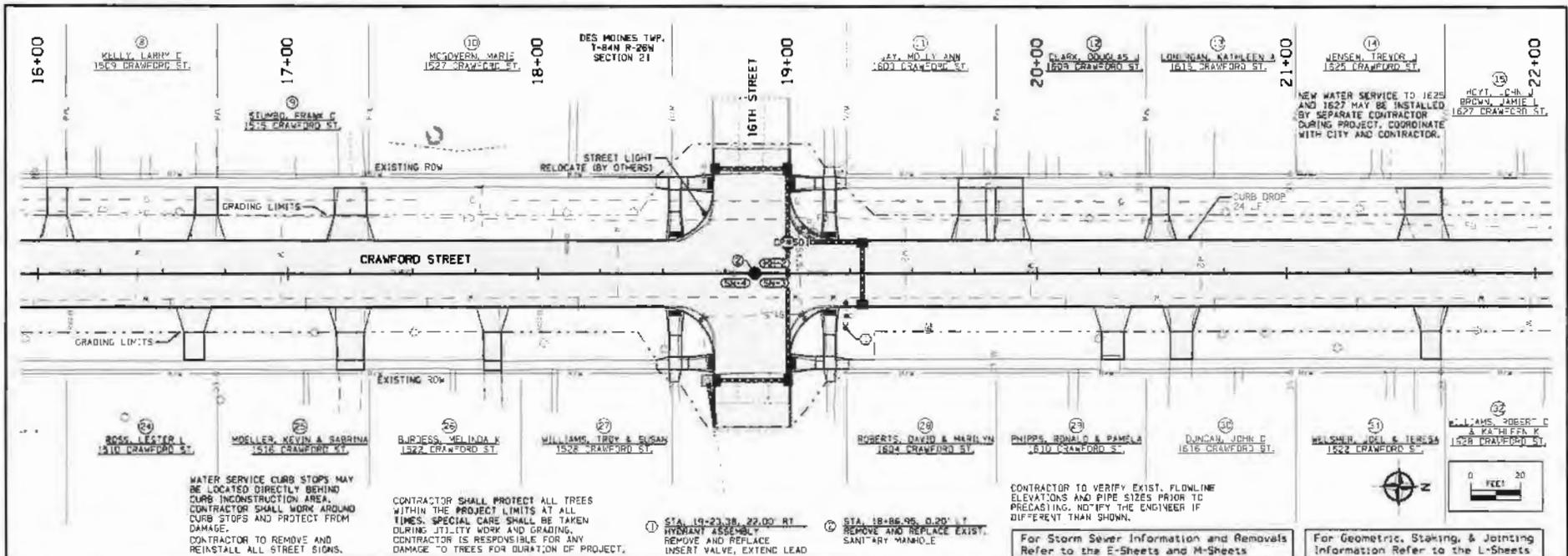
PROJECT NO. 120601-01  
 DRAWN BY: J. POKE  
 DATE: 12/12/2018  
 DESIGNED BY: J. POKE  
 CHECKED BY: J. POKE  
 DATE: 12/12/2018



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 PLAN AND PROFILE

SHEET NO. **D.01**



WATER SERVICE CURB STOPS MAY BE LOCATED DIRECTLY BEHIND CURB IN CONSTRUCTION AREA. CONTRACTOR SHALL WORK AROUND CURB STOPS AND PROTECT FROM DAMAGE. CONTRACTOR TO REMOVE AND REINSTALL ALL STREET SIGNS.

CONTRACTOR SHALL PROTECT ALL TREES WITHIN THE PROJECT LIMITS AT ALL TIMES. SPECIAL CARE SHALL BE TAKEN DURING UTILITY WORK AND GRADING. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO TREES FOR DURATION OF PROJECT.

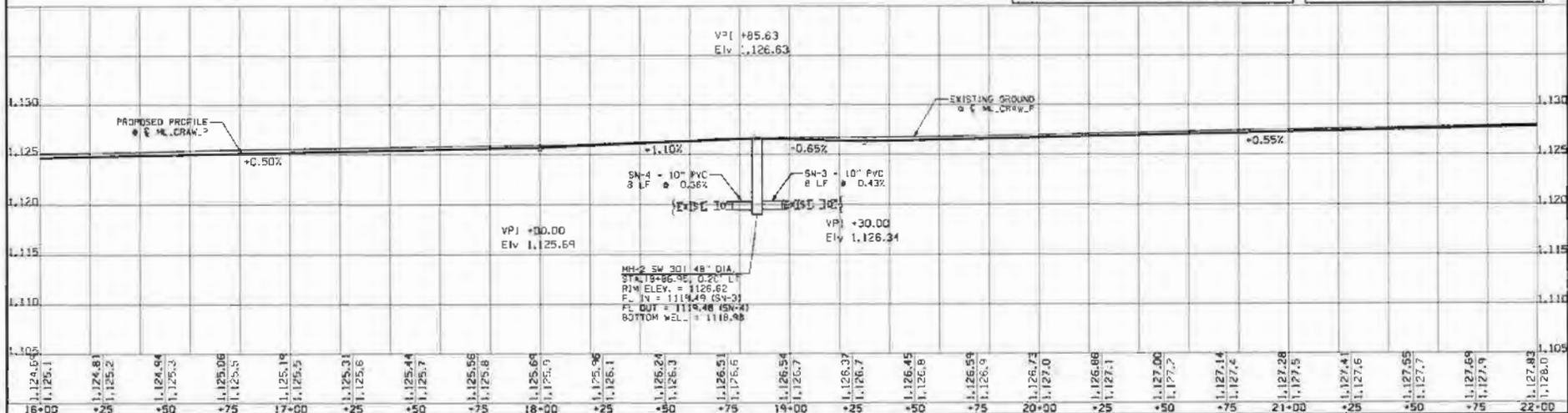
① STA. 19+23.38, 22.00 RT HYDRAUNT ASSEMBLY REMOVE AND REPLACE INSERT VALVE, EXTEND LEAD

② STA. 18+86.95, 0.00 LT REMOVE AND REPLACE EXIST. SANITARY MANHOLE

CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING. NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

For Storm Sewer Information and Removals Refer to the E-Sheets and M-Sheets

For Geometric, Staking, & Jointing Information Refer to the L-Sheets



PROJECT NO: 19602-01	DESIGNED BY: J. BOYKE	NO.	DATE	BY	REVISION DESCRIPTION
DRAWN BY: J. BOYKE	CHECKED BY: J. BOYKE				
DATE: 10/1/2018	DATE: 10/1/2018				
DATE: 10/1/2018	DATE: 10/1/2018				

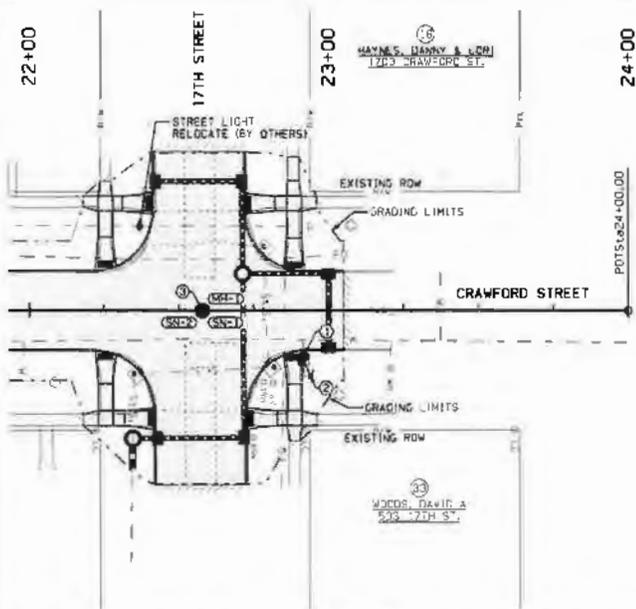


**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**CRAWFORD STREET**  
PLAN AND PROFILE

SHEET NO:  
**D.02**

DES MOINES TWP.  
T-84N R-26W  
SECTION 21



- ① STA. 22+01.45 - 15.98' RT  
R = 22.5' BEND
- ② STA. 22+00.95 - 22.00' RT  
HYDRANT ASSEMBLY  
REMOVE AND REINSTALL
- ③ STA. 22+57.91 - 0.00' RT  
REMOVE AND REPLACE EXIST.  
SANITARY MANHOLE

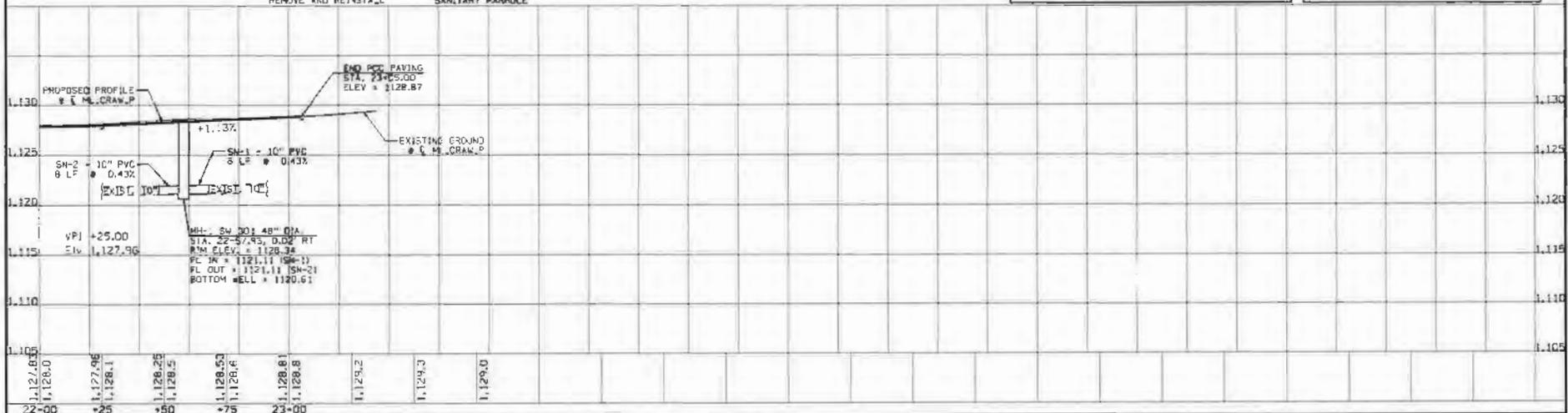
WATER SERVICE CURB STOPS MAY  
BE LOCATED DIRECTLY BEHIND  
CURB IN CONSTRUCTION AREA.  
CONTRACTOR SHALL WORK AROUND  
CURB STOPS AND PROTECT FROM  
DAMAGE.  
CONTRACTOR TO REMOVE AND  
REINSTALL ALL STREET SIGNS.

CONTRACTOR SHALL PROTECT ALL TREES  
WITHIN THE PROJECT LIMITS AT ALL  
TIMES. SPECIAL CARE SHALL BE TAKEN  
DURING UTILITY WORK AND GRADING.  
CONTRACTOR IS RESPONSIBLE FOR ANY  
DAMAGE TO TREES FOR DURATION OF PROJECT.

CONTRACTOR TO VERIFY EXIST' FLOWLINE  
ELEVATIONS AND PIPE SIZES PRIOR TO  
PROCASTING. NOTIFY THE ENGINEER IF  
DIFFERENT THAN SHOWN.

For Storm Sewer Information and Removals  
Refer to the E-Sheets and M-Sheets

For Geometric, Staking, & Joining  
Information Refer to the L-Sheets



PROF. DATE: 02/23/16	DESIGNED BY: S.M.H.
PREPARED BY: S.M.H.	CHECKED BY: S.M.H.
DATE: 02/23/16	DATE: 02/23/16
SCALE: 1\"/>	

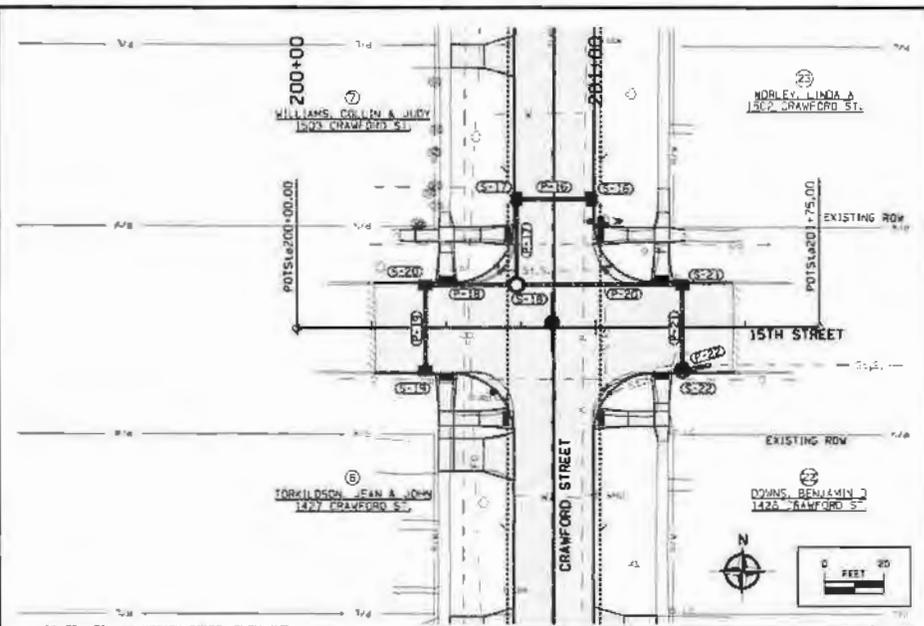
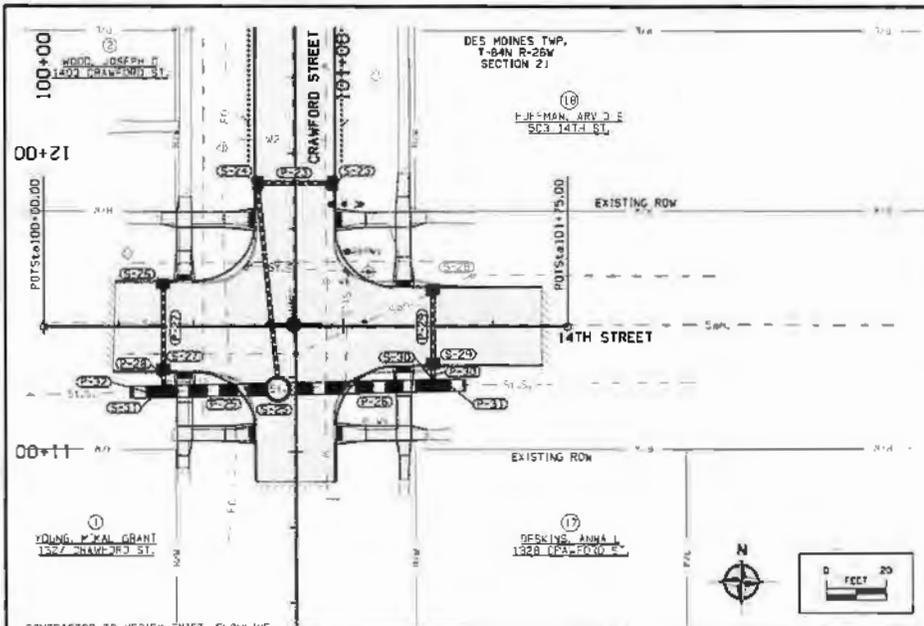
NO.	DATE	BY	REVISION/DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**CRAWFORD STREET**  
PLAN AND PROFILE

SHEET NO:  
**D.03**



CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING. NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

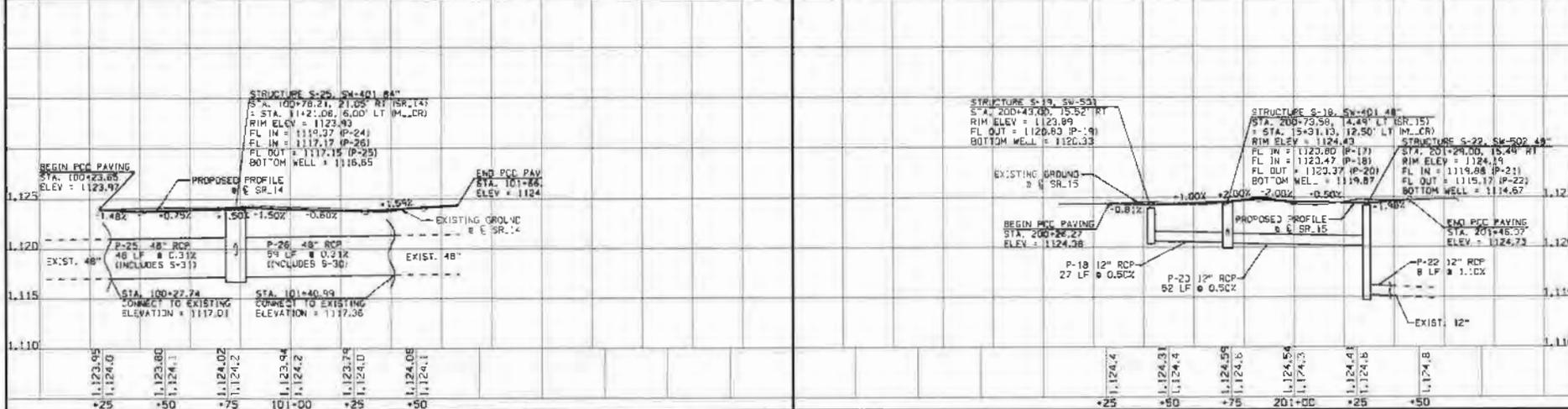
For Additional Storm Sewer Information and Removals Refer to the M-Sheets.

For Geometric, Staking, & Jointing Information Refer to the L-Sheets.

CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING. NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

For Additional Storm Sewer Information and Removals Refer to the M-Sheets.

For Geometric, Staking, & Jointing Information Refer to the L-Sheets.



PROJECT NO:	SR24-02	DRAWN BY:	NAB-PP-E
PROJECT DATE:	2/24/2016	CHECKED BY:	...
DATE OF:	2/22/16	DATE BY:	NAB-PP-E
DATE:	2/22/16	DATE BY:	NAB-PP-E

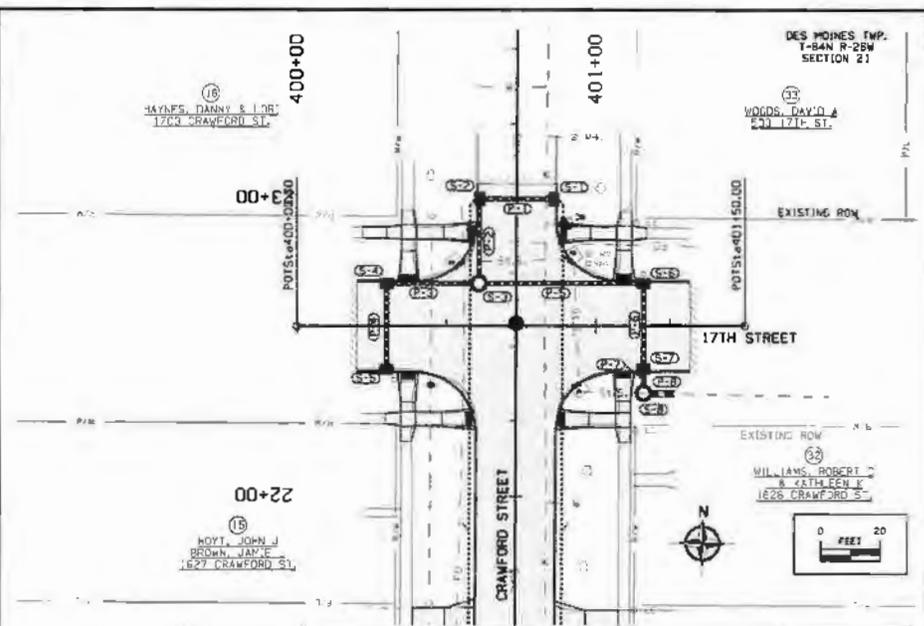
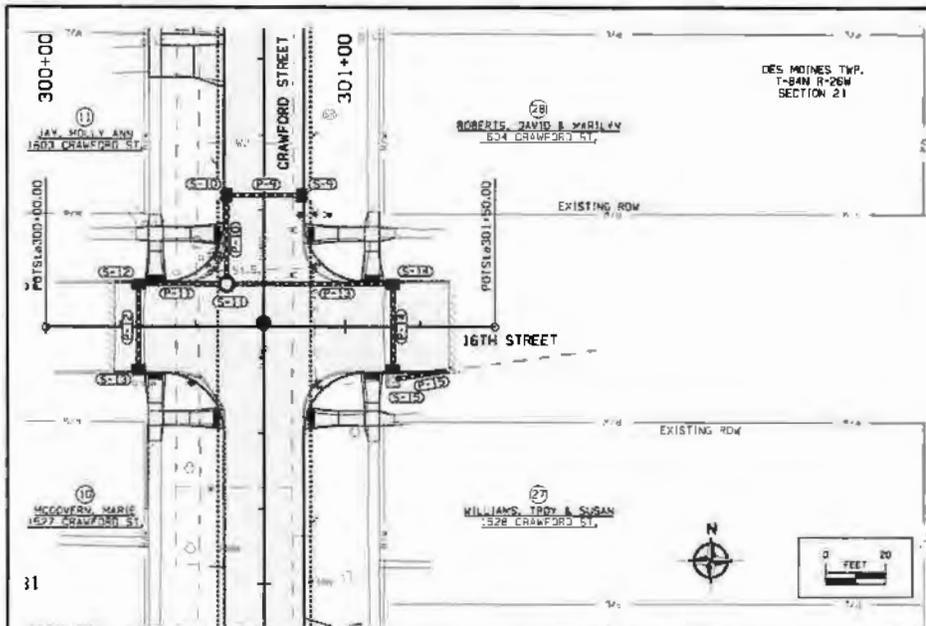
NO.	QTY	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**14TH STREET & 15TH STREET**  
 PLAN AND PROFILE

SHEET NO:  
**E.01**



CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING. NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

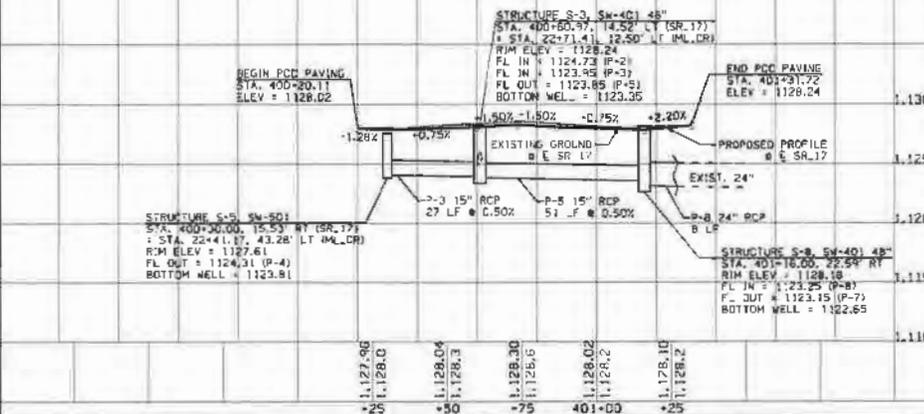
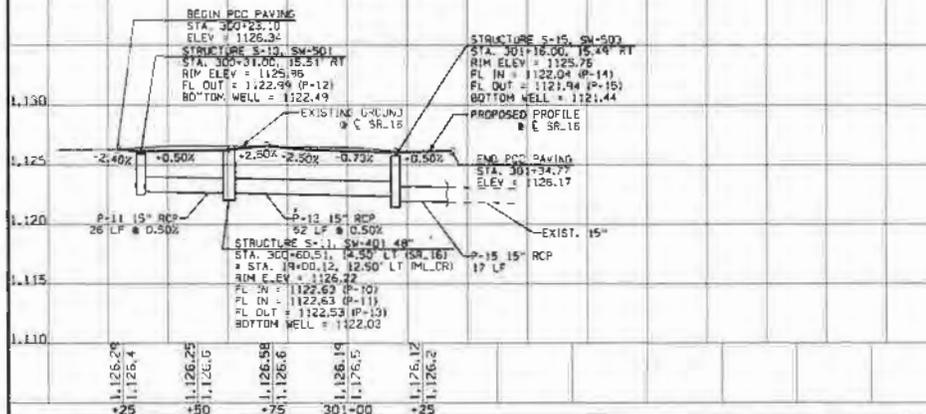
For Additional Storm Sewer Information and Removals Refer to the M-Sheets.

For Geometric, Staking, & Jointing Information Refer to the L-Sheets

CONTRACTOR TO VERIFY EXIST. FLOWLINE ELEVATIONS AND PIPE SIZES PRIOR TO PRECASTING. NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

For Additional Storm Sewer Information and Removals Refer to the M-Sheets.

For Geometric, Staking, & Jointing Information Refer to the L-Sheets



NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**16TH STREET & 17TH STREET**  
PLAN AND PROFILE

**E.02**

**POLLUTION PREVENTION PLAN**

This Base Pollution Prevention Plan (PPP) includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed per plan revisions or by contract modification, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The prime contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

**I. ROLES AND RESPONSIBILITIES**

- A. Designer:**
1. Prepares Base PPP included in the project plan.
  2. Prepares and publishes the Public Notice of Stormwater Discharge
- B. Contractor/Subcontractor:**
1. Prepares Notice of Intent (NOI) submitted to Iowa DNR
  2. Affected contractors/subcontractors are co-permittees with the General Contractor and will sign a certification statement adhering to the requirements of the NPDES permit and this PPP plan. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
  3. Submit a detailed schedule and any additional plan notes.
  4. Install and maintain appropriate controls.
  5. Supervise and implement good housekeeping practices.
  6. Conduct joint required inspections of the site with inspection staff.
  7. Signature authority on Co-Permittee Certification Statements and storm water inspection reports.
  8. Update PPP whenever there is a change in design, construction, operation or maintenance, which has a significant effect on the discharge of pollutants from the project.
  9. Maintain an up-to-date list that identifies contractors and subcontractors and co-permittees.
  10. Make these plans available to the DNR upon their request.
  11. Complete an inspection report after each inspection.
  12. Signature Authority on storm water inspection reports and Notice of Discontinuation (NOD).
- C. RCE/Inspector:**
1. Update PPP whenever there is a change in design, construction, operation or maintenance, which has a significant effect on the discharge of pollutants from the project.
  2. Maintain an up-to-date list that identifies contractors and subcontractors as co-permittees.
  3. Make these plans available to the DNR upon their request.
  4. Conduct joint required inspections of the site with the contractor/subcontractor.
  5. Complete an inspection report after each inspection.
  6. Signature authority on storm water inspection reports and Notice of Discontinuation (NOD).

**II. PROJECT SITE DESCRIPTION**

- A. This Pollution Prevention Plan (PPP) is for the construction of the Crawford Street Reconstruction from 14th Street to 17th Street in Boone, Iowa.**
- B. This PPP covers approximately 2.5 acres with an estimated 2.2 acres being disturbed. The portion of the PPP covered by this contract has 2.2 acres disturbed.**
- C. The PPP is located in an area of Clarion-Nicollet-Webster (B-B-B/D) Soil Association. The estimated average SCS runoff curve number for this PPP after completion will be 80.**
- D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:**
1. Drainage patterns - Plan and Profile sheets and Situation plans.
  2. Proposed Slopes - Cross Sections.
  3. Areas of Soil Disturbance - construction limits shown on Plan and Profile sheets.
  4. Location of Structural Controls - Tabulations on C sheets.
  5. Locations of Non-Structural Controls - Tabulations on C sheets.
  6. Locations of Stabilization Practices - generally within construction limits shown on Plan and Profile sheets.
  7. Surface Waters (including wetlands) - Plan and Profile sheets.
  8. Locations where storm water is discharged - Plan and Profile sheets.
- E. The base site map is amended by contract modifications and progress payments of completed erosion control work.**
- F. Runoff from this work will flow into storm sewers to Honey Creek to the Des Moines River.**

**III. CONTROLS**

- A. The contractor's work plan and sequence of operations specified in Article 2602.03 for accomplishment of storm water controls should clearly describe the intended sequence of major activities and for each activity define the control measure and the timing during the construction process that the measure will be implemented.**
- B. Preserve vegetation in areas not needed for construction.**
- C. Section 2801 and 2802 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water monitoring inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1189.03 paragraph 8.**
- 1. EROSION AND SEDIMENT CONTROLS**
- a. Stabilization Practices**
- 1) Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized.
  - 2) Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased.
  - 3) Temporary stabilizing seeding shall be completed as the disturbed areas are constructed. If construction activity is not planned to occur in a disturbed area for at least 21 days, the area shall be stabilized by temporary seeding or mulching within 14 days. Other stabilizing methods shall be used outside the seeding time period.
  - 4) Stabilization measures to be used for this project are located in the Estimated Project Quantities (100-1A) and Estimate Reference Information (100-4A) located on the C sheets of the plan. Additional items may be found in the Inspector's Daily Reports (IDR) or Contract Modifications.
- b. Structural Practices**
- 1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.
  - 2) Structural items to be used for this project are located in the Estimated Project Quantities (100-1A) and Estimate

**POLLUTION PREVENTION PLAN**

Reference Information (100-4A) located on the C sheets of the plan, as well as all other item specific tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B sheets of the plan or are referenced in the Standard Road Plans tabulation.

- c. Storm Water Management**
- 1) Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 484 of the Clean Water Act.
- 2. OTHER CONTROLS**
- a. Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.**
- 1) Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
  - 2) Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
  - 3) Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
  - 4) Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 484 permit.
  - 5) Spill Prevention and Control - Implement procedures to contain and clean-up spills and prevent material discharges to the storm drain system and waters of the state.
  - 6) Concrete Residuals and Washout Wastes - Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located.
  - 7) Vehicle and Equipment Cleaning - Employ washing practices that prevent contamination of surface and ground water from wash water.
  - 8) Vehicle and Equipment Fueling and Maintenance - Perform on site fueling and maintenance in accordance with all environmental laws such as proper storage of outside fuels and proper disposal of used engine oil or other fluids on site.
  - 9) Litter Management - Ensure employees properly dispose of litter.
- 3. APPROVED STATE OR LOCAL PLANS**
- During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

**IV. MAINTENANCE PROCEDURES**

The contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

**V. INSPECTION REQUIREMENTS**

- A. Inspections shall be made jointly by the contractor and the contracting authority at least once every seven calendar days. Storm water monitoring inspections will include:**
1. Date of the inspection.
  2. Summary of the scope of the inspection.
  3. Name and qualifications of the personnel making the inspection.
  4. Rainfall amount.
  5. Review erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
  6. Major observations related to the implementation of the PPP.
  7. Identify corrective actions required to maintain or modify erosion and sediment control measures.
- B. Include storm water monitoring inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found and complete all actions within 3 calendar days of the inspection.**

**VI. NON-STORM WATER DISCHARGES**

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of patio blocks, Class A stone, erosion stone or other appropriate materials.

**VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION**

Silt, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be covered and controlled per this PPP.

**VIII. DEFINITIONS**

- A. Base PPP - Initial Pollution Prevention Plan.**
- B. Amended PPP - May include Plan Revisions or Contract Modifications for new items and fieldbook entries made by the Inspector.**
- C. IDR - Inspector's Daily Report - this contains the inspector's daily diary and item postings.**
- D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials.**
- E. Signature Authority - Representative from Designer, Contractor/Subcontractor, or RCE/Inspector authorized to sign various storm water documents.**

**CERTIFICATION STATEMENT**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

\_\_\_\_\_  
Consultant Signature

\_\_\_\_\_  
Printed or Typed Name

\_\_\_\_\_  
Contracting Authority Signature

\_\_\_\_\_  
Printed or Typed Name

**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

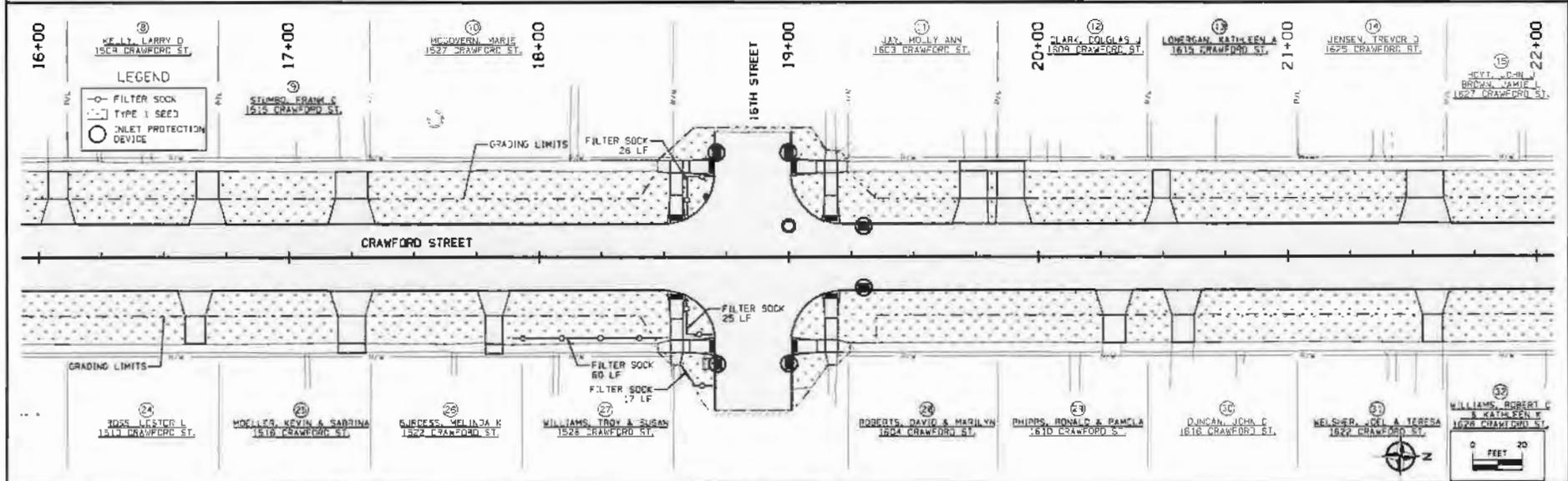
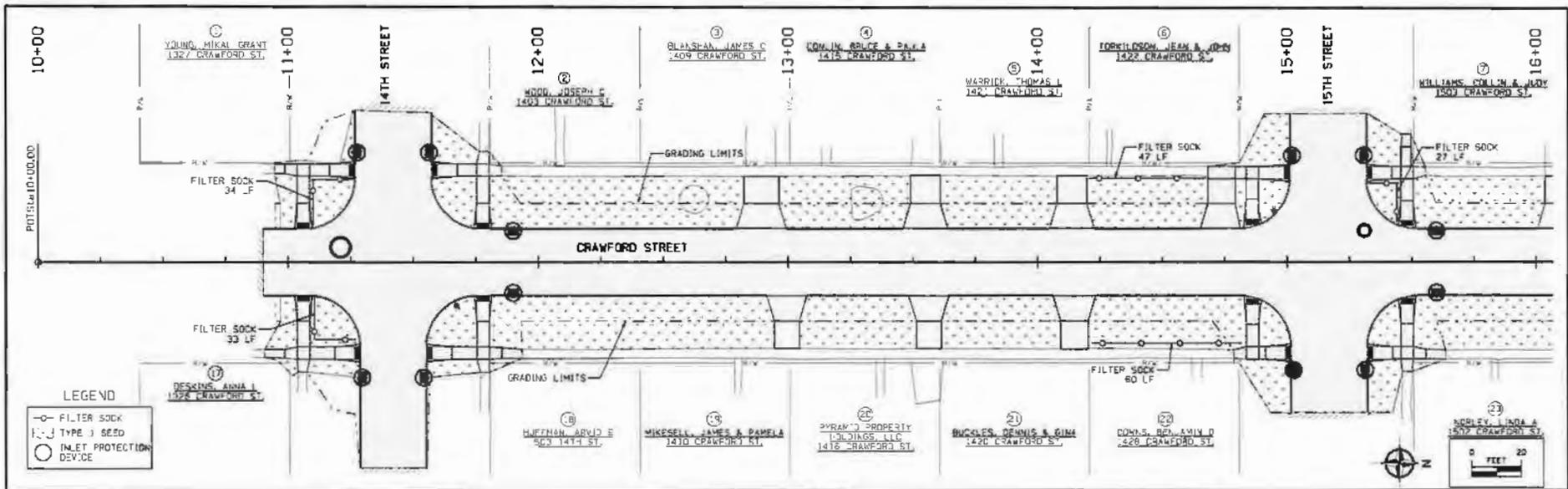
**SUBJECT TO CHANGE**  
**POLLUTION PREVENTION PLAN**

**SHEET NO.**  
**EG.01**

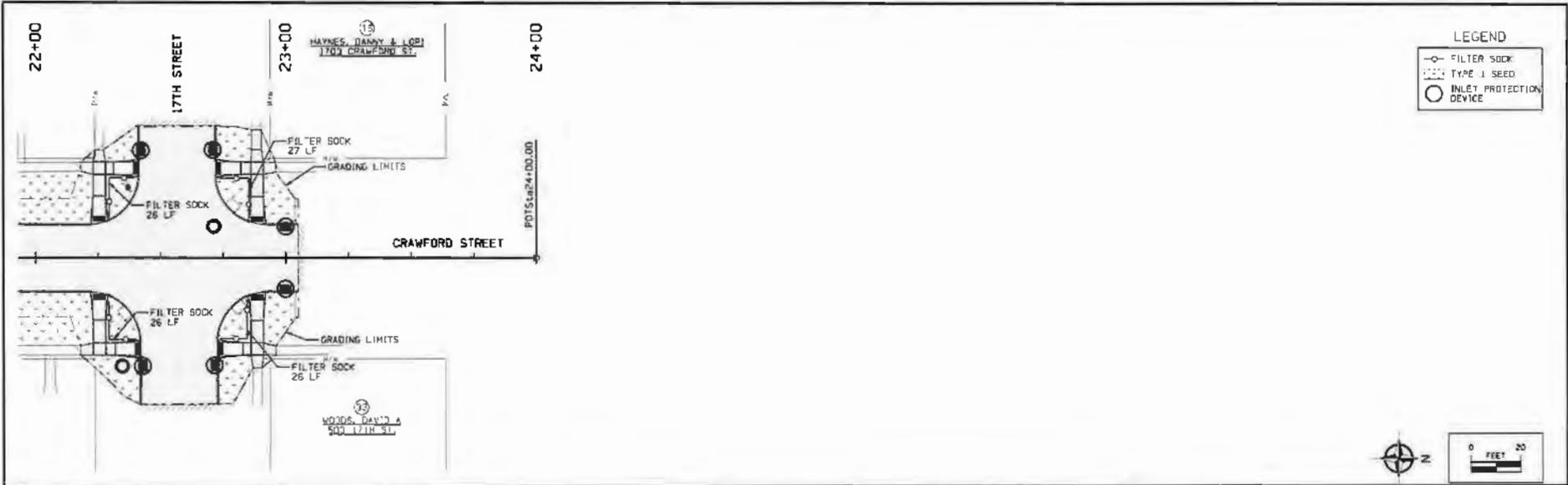


REV.	DATE	BY	DESCRIPTION

PROJECT NO: 118-12A  
SHEET NO: 01  
DATE: 11/14/2018  
SCALE: AS SHOWN



PROJECT NO: 156624E HDG DATE: 22/11/2016 DATE: 11/11/2016 TIME: 11:00 AM DRAWN BY: J.M.H.P.P.	DESIGNED BY: J.M.H.P.P. CHECKED BY: J.M.H.P.P. DRAWN BY: J.M.H.P.P.	NO. DATE BY 1 11/11/2016 J.M.H.P.P. 2 11/11/2016 J.M.H.P.P.		<b>CRAWFORD STREET RECONSTRUCTION</b> <b>14TH STREET TO 17TH STREET</b> BOONE, IA	<b>CRAWFORD STREET</b> <b>EROSION CONTROL</b>	SHEET NO. <b>EC.02</b>
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PROJECT NO.: 22200-01  
 PROJECT DATE: 02/02/2016  
 DATE: 1/13/2016  
 DESIGNED BY: NABH/PLE  
 CHECKED BY: J. SCHNE  
 DRAWN BY: NABH/PLE

NO.	DATE	BY	REVISION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BODNE, IA

**CRAWFORD STREET**  
 EROSION CONTROL

EC.03

### BENCHMARKS

NO.	ELEVATION	DESCRIPTION
BK44	1125.637	"R" HYD NE QUAD 13TH - CRAWFORD
BK55	1125.856	ARROWHEAD HYD NE QUAD 14TH - CRAWFORD
BK66	1127.403	ARROWHEAD HYD NE QUAD 15TH - CRAWFORD
BK77	1128.864	ARROWHEAD HYD NE QUAD 16TH - CRAWFORD

### ROADWAY CENTERLINE HORIZONTAL ALIGNMENT DATA

STATION	POINT #	NORTHING	EASTING	BEARING/DISTANCE	Δ	Δ	T	L	E	R
H_CUR	10+00.00	CR01	3488635.171	4816231.117	N 0° 07' 16.20" W - 1400.000					
	24+00.00	CR02	3490039.168	4816228.157						
SR_14	100+00.00	1401	3488781.164	4816146.627	N 89° 55' 18.71" E - 175.000					
	101+75.00	1402	3488781.403	4816321.627						
SR_15	200+00.00	1501	3489155.403	4816143.986	N 89° 42' 04.44" E - 175.000					
	201+75.00	1502	3489156.315	4816318.983						
SR_16	300+00.00	1601	3489524.572	4816156.251	N 89° 49' 08.83" E - 150.000					
	301+50.00	1602	3489525.045	4816308.250						
SR_17	400+00.00	1701	3489895.515	4816155.384	N 89° 30' 51.34" E - 150.000					
	401+50.00	1702	3489896.787	4816305.379						

#### VERTICAL DATUM INFORMATION

THE VERTICAL DATUM PLANE USED FOR THIS PROJECT IS BASED ON CITY OF BOONE COUNTY MONUMENT #43, AND IS IN THE NORTH AMERICAN VERTICAL DATUM OF 1989 (NAVD 89).

#### HORIZONTAL DATUM INFORMATION

THE HORIZONTAL DATUM FOR THIS PROJECT IS SITE SPECIFIC. ALL USERS OF THESE PLANS MUST USE THE CONTROL POINT COORDINATES AS NOTED ON THESE PLANS WHEN ESTABLISHING HORIZONTAL LOCATIONS. THE REFERENCE ELLIPSOID USED IS WGS-84. THE GEOID MODEL IS GED10.2, AND COORDINATES ARE IN US SURVEY FOOT.

### CONTROL POINT DATA

NO.	NORTHING	EASTING	ELEV.	NOTES
500	3488799.720	4816255.140	1124.002	GPS-IR
501	3489549.805	4816212.879	1126.490	GPS-IR
502	3490057.687	4816243.273	1131.359	GPS-IR

PROJECT NO.: 220320.01  
 PROJECT DATE: 07/06/2018  
 DATE: 07/20/2018  
 140 - ILL.: 220320.01

NO.	DATE	BY	REVISION DESCRIPTION



CRAWFORD STREET RECONSTRUCTION  
 14TH STREET TO 17TH STREET  
 BOONE, IA

CRAWFORD STREET  
 REFERENCE TIES AND BENCHMARKS

G.01

FOTH-23 MODIFIED	
<b>TRAFFIC CONTROL PLAN</b>	
<p>The Contractor shall employ sound practices of safety and traffic control. These methods and practices shall include, but not be limited to, the following:</p> <ol style="list-style-type: none"> <li>The Contractor shall coordinate traffic control with other projects in the area.</li> <li>Traffic control on this project shall be in accordance with specific layouts shown on these plans. Traffic control devices, procedures, and layouts shall be as per current Part VI of the Manual on Uniform Traffic Control Devices (MUTCD).</li> <li>All traffic control devices shall be furnished, erected, maintained and removed by the contractor.</li> <li>All traffic control signs shall be placed at a minimum of 2 feet clear of the back of curb or outside edge of shoulder where possible.</li> <li>Portable mountings for warning signs may be used for temporary installations of 3 days or less.</li> <li>The proposed signing may be modified to meet field conditions, prevent obstructions and to accommodate construction scheduling upon approval of the project engineer.</li> <li>Orange safety fence shall be placed entirely across the traveled portion of the roadway at all locations where Type III Barricades with "Road Closed" signs are used.</li> <li>All Type III barricades shall have Type "A" low intensity flashing warning lights. The back side of the Type III Barricades shall be reflectorized by a minimum of six yellow reflectors, one at each end of each rail, or at least one rail on each barricade shall have reflectorized stripes properly sloped at each end. At full closure locations, Contractor shall provide enough Type III Barricades to completely cross the road.</li> <li>Long term or permanent traffic control signs that conflict with specific layouts shown on these plans are to be covered as directed by the project engineer.</li> <li>Sign washing shall be considered incidental to traffic control and required as directed by the project engineer, or White V.I.P. Sheeting or equivalent. (Iowa DOT Type VII Sheeting)</li> <li>The Contractor shall contact the City of Boone to remove all permanent street signs conflicting with proposed improvements. The Contractor shall remove all other signs as determined by the engineer and they shall remain the property of the respective owners. This work shall be considered incidental to other work.</li> <li>The City of Boone shall furnish and install all permanent road signs before the roadway is reopened to traffic. The Contractor shall notify the City two (2) weeks prior to changes in traffic patterns.</li> <li>At the time of initial setup or at the time of major stage changes, 100 percent of each type of device (signs, cones, tubular markers, drums, barricades, vertical panels, changeable message signs, and pavement markings) shall be classified as acceptable by the requirements of the American Traffic Safety Services Association (ATSSA), "Quality Guidelines for Temporary Traffic Control Devices and Features." Throughout the duration of the project, unacceptable devices or situations that are found on the jobsite as determined by before mentioned publication shall be replaced or the situation corrected within 12 hours of initial notification by the project engineer.</li> <li>The location for storage of equipment by the contractor during nonworking hours shall be as approved by the engineer. The Contractor shall provide a written agreement with the property owner(s) if private property is used to store equipment.</li> <li>Contractor shall install Type II Barricades with "Sidewalk Closed" for all sidewalk closures on an as needed basis.</li> </ol> <p>- Project Engineer: Jared Rinkbe (515)254.1393 (office) Foth Infrastructure &amp; Environment (515)254.1642 (fax) 8191 Birchwood Court, Suite L (641)425.8923 (mobile) Johnston, IA 50131</p> <p>Wayne Schwartz (515)432.4211 (office) City of Boone (515)433.0630 (fax) 923 8th Street, P.O. Box 550 (515)201.3359 (mobile) Boone, IA 50036</p>	

FOTH 24 MODIFIED	
<b>STAGING NOTES</b>	
<p>Construction activity in this area will disrupt traffic on Crawford between 14th Street and 17th Street. Crawford Street will be closed during the construction. The Detour route will include adjacent residential streets.</p> <p>It is recognized that as the various activities related to construction progress, certain situations may arise which will preclude adhering to the original construction sequence or which would readily lend themselves to more efficient staging operations. Should the Contractor desire to deviate from the original plan, a written alternative plan shall be submitted to the Project Engineer for approval a minimum of two (2) weeks prior to the proposed changes. Coordinate with all public and private projects in the area at all times and includes the following projects:</p> <p>Boone County Fair - July 21st - July 24th</p> <p>Coordinate with the City of Boone a minimum of two (2) weeks prior to changes in the proposed traffic patterns.</p> <p><b>PROJECT ACCESS/MAINTENANCE OF HAUL ROADS:</b> The Contractor will have access to the project site from Crawford Street to the North and South and side streets to the East and West. The Contractor shall not use adjacent alleys for access or construction traffic except to maintain access routes for residents. Haul routes for import and waste material shall be approved by the City prior to initiating hauling. Contractor is responsible for dust control and maintenance of haul routes. Do not drive on the proposed pavement with construction traffic greater than the legal load limits.</p> <p><b>UTILITIES:</b> The following is a list of known utilities conflicts. There may be other unknown conflicts that may exist. The Contractor shall work with each utility company to resolve each known conflict and incorporate them into the overall construction schedule. Refer to Sheet A.02 for additional utility information.</p> <p>City of Boone Public Works Department (Sanitary, Water, Storm) John Rouse - Public Works Director 515.432.4211 jrouse@city.boone.ia.us</p> <p>Boone Community School District (Fiber Optics) Bog Patterson 515.298.1616 bpatterson@boone.k12.ia.us</p> <p>Alliant Energy (Electric, Gas) Kyle Wildman (515) 268-3484 kylewildman@alliantenergy.com</p> <p>Mediacom Communications (Cable - TV) Tim Adreon (515) 232-2110 tardeon@mediacomcc.com</p> <p><b>TRAFFIC CONTROL:</b> 1. Traffic control on this project shall be in accordance with Sheets J.01-J.05 and the Iowa DOT Standard Road Plans. For additional complementary information, refer to Part VI of the Manual on Uniform Traffic Control Devices (MUTCD) and the current Standard Specification. 2. Contractor to verify traffic control devices at a minimum of once a week or immediately after any weather event. Correct as necessary. 3. The Contractor shall coordinate traffic control with other projects in the area. 4. Traffic control includes sidewalk closures meeting standard requirements.</p> <p><b>STAGING</b> Contractor to maintain vehicle access to Parcel 3 at times. Contractor may be required by the Engineer to provide a</p>	

FOTH 24 MODIFIED	
<b>STAGING NOTES</b>	
<p>Temporary shoulder access to the property if weather and site conditions require. Contractor to provide an 8 ft path from Parcel driveway south to 14th Street, within ROW. Path may include existing sidewalk. Contractor to replace panels damaged during construction. Alternative methods of providing access to the property for the resident may be submitted for approval by the Engineer.</p> <p>Notify the City of Boone and all affected residents a minimum of 24 hrs before beginning any work that disrupts water service. Service to be restored within 8 hrs and by the end of the work day.</p> <p>Sanitary Sewer flows in the project area are high. Bypass pumping, either in-line or manhole to manhole, will be required.</p> <p>It is the Project intent to complete the sidewalk and driveway connections, and surface restoration immediately following the completion of the roadway pavement construction.</p> <ol style="list-style-type: none"> <li>Coordinate with utility companies and establish action plan to relocate utilities in conflict.</li> <li>Maintain temporary granular access to Parcel 3 - James Blanshan at all times.</li> <li>Coordinate with other projects and install temporary traffic Road Plans.</li> <li>Remove existing pavement.</li> <li>Complete Utility Improvements</li> <li>Complete Street Paving.</li> <li>Open to Traffic.</li> <li>Complete Driveway and Sidewalk Paving.</li> <li>Surface Restoration and Seeding.</li> </ol>	

PROJECT NO	181212	DESIGNED BY	WHA/PFLE
PROJECT DATE	08/04/2018	CHECKED BY	JZ/CKE
ISSUE DATE	11/30/18 AM	DRAWN BY	WHA/PFLE
CD FILE	I:\proj_2018\proj_181212\181212_01.dwg		

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
**TRAFFIC CONTROL AND STAGING NOTES**

SHEET NO  
**J.01**

SIGN PLACEMENT ON  
TYPE III BARRICADES



Typical Sign Placement



Sign Placement with  
Supplemental Sign

<b>MODIFIED</b>	REVISION
	6   04-19-16
<b>STANDARD ROAD PLAN</b>	<b>TC-252</b>
	SHEET 1 of 3
<small>REVISIONS: 6/16/16 - Change note 3 to page 2 and changed circle note 3 to 4 on page 3.          Modified the SITUATION 1 (URBAN) detail on page 2.</small>	
<small>APPROVED BY DESIGN METHODIC ENGINEER</small>	
<b>ROUTES CLOSED TO TRAFFIC</b>	

PROJECT NO. 28814.01	DESIGNED BY: NAB/PS/E
PROJECT DATE: 07/04/2016	APPROVED BY: [Signature]
DATE PLOTTED: 11/21/2016 11:41:12 AM	DATE PLOTTED: NAB/PS/E
FILE: \\p01-4488\proj\28814.01\Drawings\28814.01_001.dwg	

NO.	DATE	BY	REVISION/DESCRIPTION

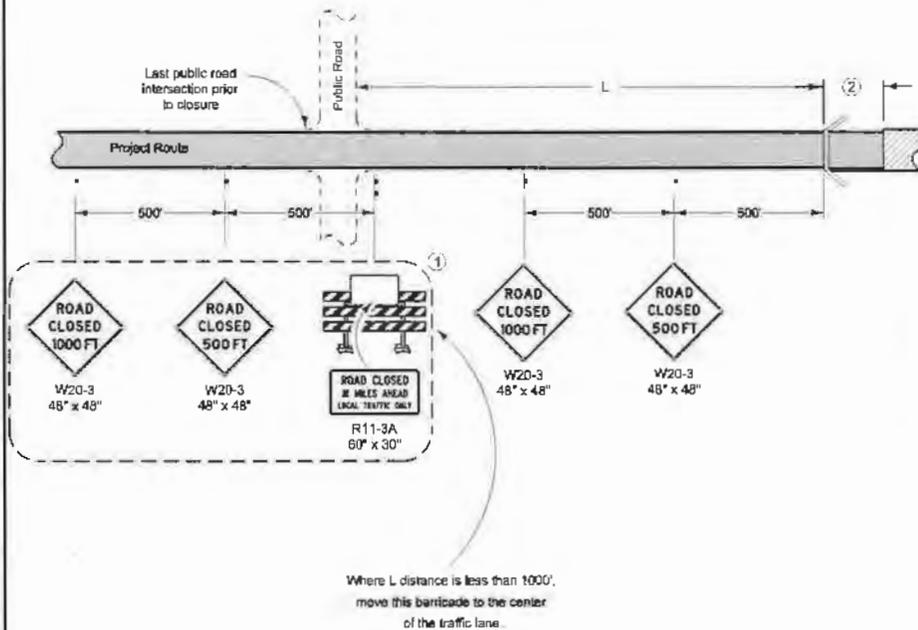


**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

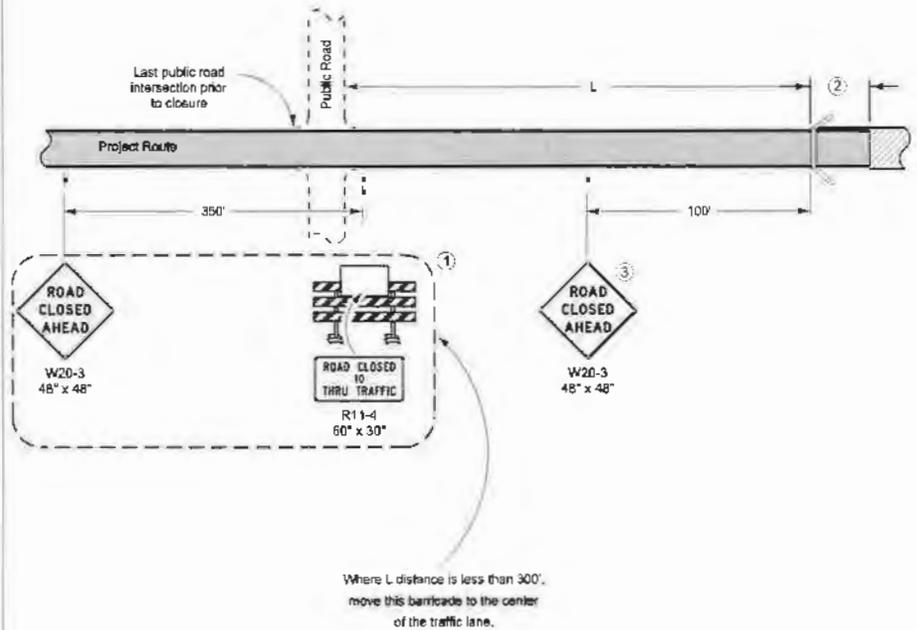
TRAFFIC CONTROL

SHEET NO.  
**J.02**

**SITUATION 1 (RURAL)**  
Project Route Closure



**SITUATION 1 (URBAN)**  
Project Route Closure



**LEGEND**

- Traffic Sign
- Type III Barricade
- Work Area
- Road Closure

- ① In situation 1, if the intersection is the point of detour these signs and barricade will become the responsibility of the contracting authority and may be modified by the contracting authority to fit detour signing
- ② When possible, a 100' buffer is desirable.
- ③ When L is less than 300 feet, omit the ROAD CLOSED AHEAD sign.

Possible Contract Items:  
Traffic Control  
Safety Closures

Possible Tabulation:  
108-13A

<b>MODIFIED</b>	REVISION
	5   04-15-16
<b>STANDARD ROAD PLAN</b>	<b>TC-252</b>
SHEET 2 of 3	
<small>REVISIONS: Modified the Situation 1 to page 2 and changed circle note 3 to 4 on page 3. Modified the SITUATION 1 (URBAN) detail on page 2.</small>	
<small>APPROVED BY DESIGN METHOD ENGINEER</small>	
<b>ROUTES CLOSED TO TRAFFIC</b>	
TRAFFIC CONTROL	J.03

PROJECT NO: 108-13A	ISS. DATE: 04-15-16
PROJ. LEAD: JEFFREY J. BROWN	DESIGNED BY: J. BROWN
PREP. DATE: 04-15-16	CHECKED BY: J. BROWN
FILE NO: 108-13A	DATE: 04-15-16

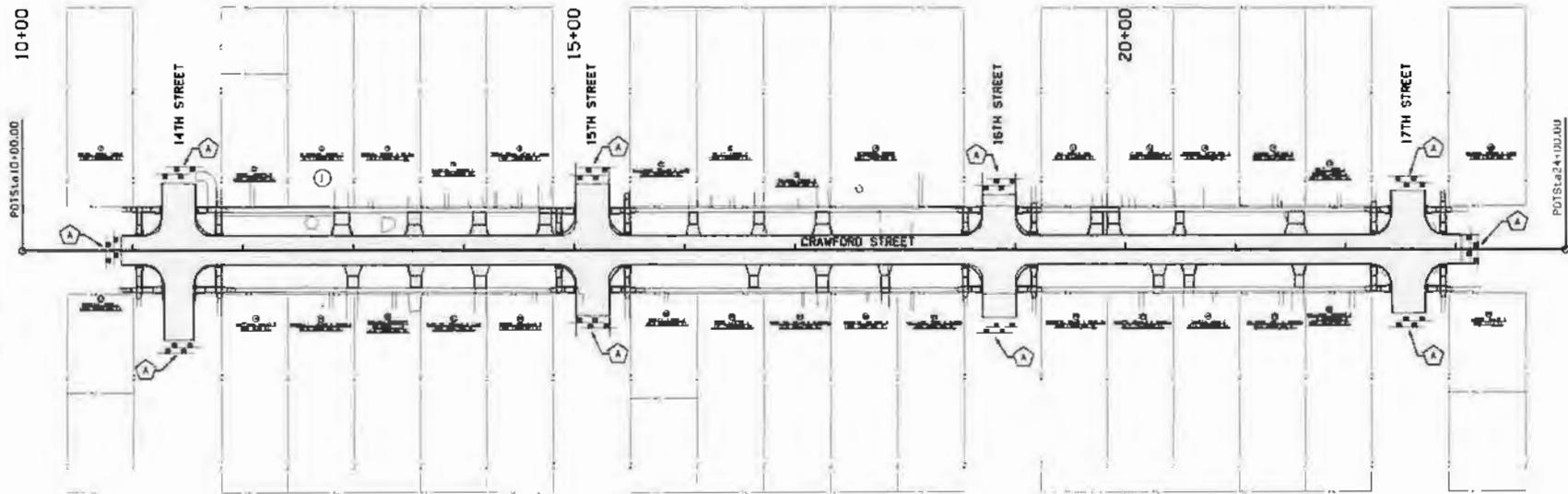
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BODINE, IA



REFER TO SHEETS J.01-J.04 FOR ADDITIONAL INFORMATION ON STAGING AND TRAFFIC CONTROL.



① CONTRACTOR TO MAINTAIN VEHICLE ACCESS TO PARCEL 3 AT ALL TIMES. TEMPORARY GRANULAR SURFACE MAY BE REQUIRED.

PROJECT NO:	20180101	DESIGNED BY:	SMH/PL
PROJECT DATE:	03/20/18	CHECKED BY:	SMH/PL
DATE:	11/15/2018	DRAWN BY:	SMH/PL
FILE:	\\pwwork\proj\18010101\18010101-01-J.05.dwg		

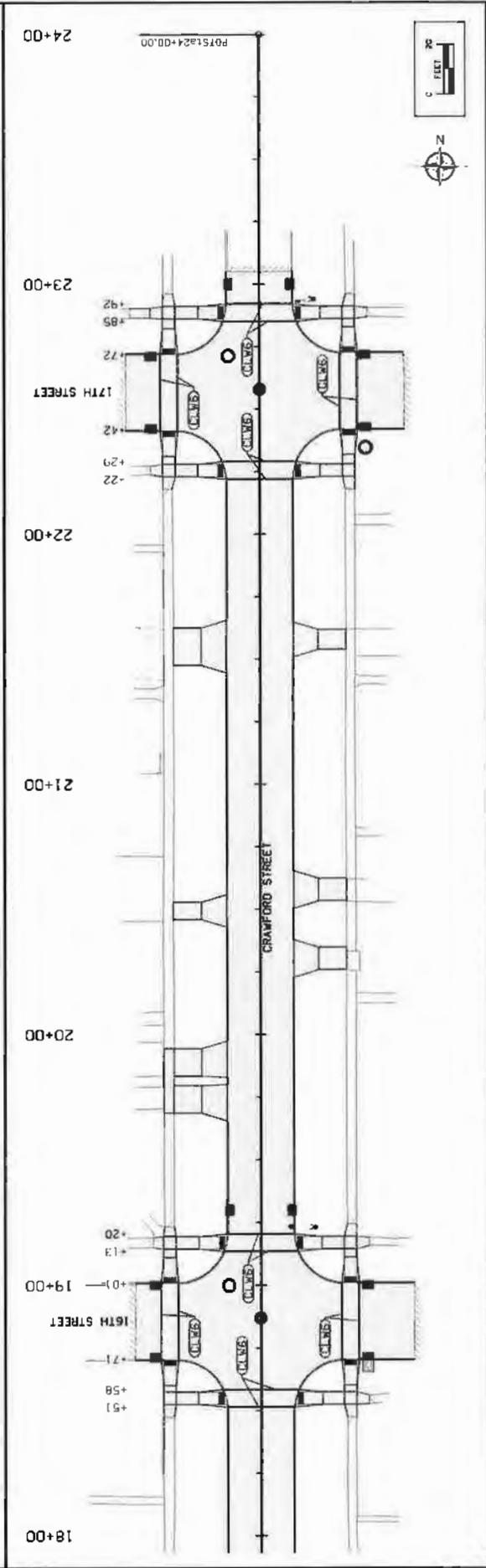
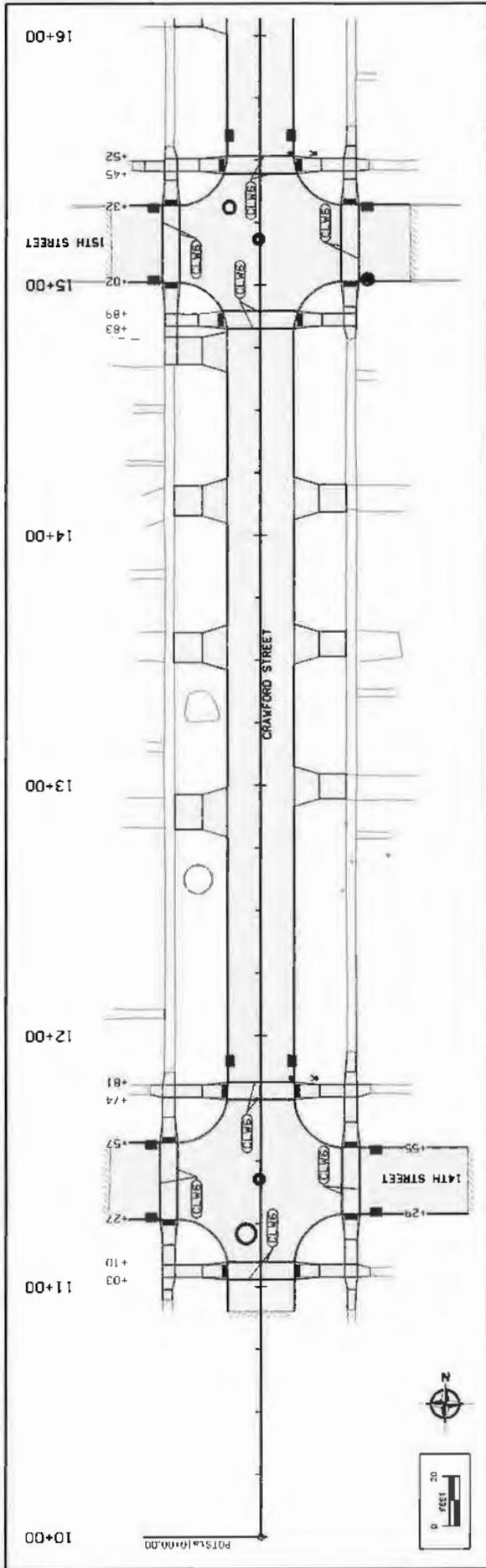
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
**14TH STREET TO 17TH STREET**  
 BOONE, IA

**TRAFFIC CONTROL**  
**ROAD CLOSURE**

SHEET NO.  
**J.05**

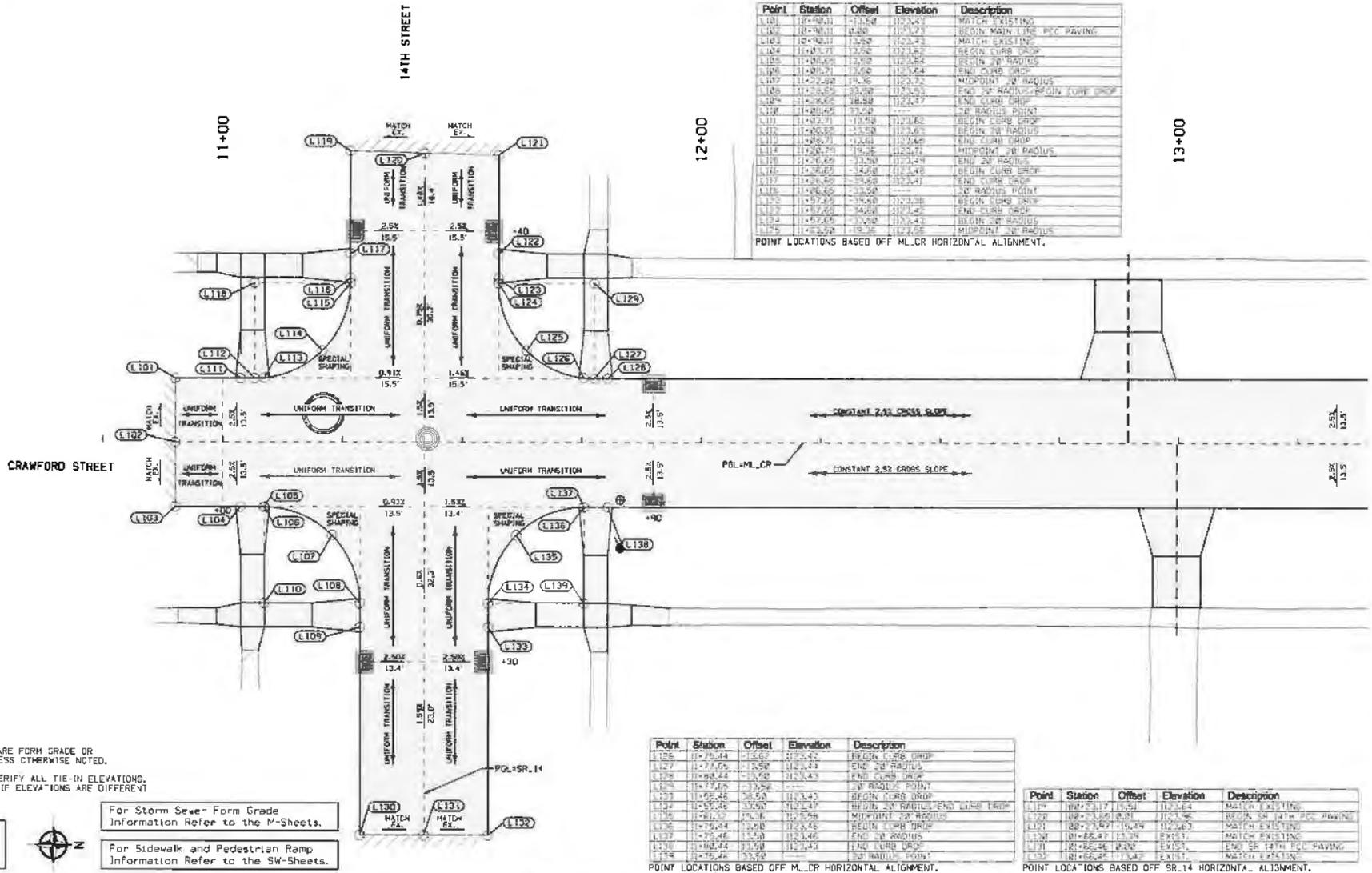


PROJECT NO. 14020011	PROJECT BY: 606-011	DATE: 04	REVISION DESCRIPTION:	SCALE: AS SHOWN
DRAWN BY: J. WATSON	CHECKED BY: J. WATSON	DATE: 04	DATE: 04	DATE: 04
APP. BY: J. WATSON	DATE: 04	DATE: 04	DATE: 04	DATE: 04
DATE: 04	DATE: 04	DATE: 04	DATE: 04	DATE: 04

**CRAWFORD STREET RECONSTRUCTION**  
**14TH STREET TO 17TH STREET**  
ROOM: 1A

**CRAWFORD STREET**  
**PAVEMENT MARKING**

DATE: 04  
 DRAWN BY: J. WATSON  
 CHECKED BY: J. WATSON  
 APP. BY: J. WATSON  
 DATE: 04



Point	Station	Offset	Elevation	Description
L101	11+00.00	-11.50	1123.47	MATCH EXISTING
L102	11+00.00	0.00	1121.71	BEGIN MAIN LANE PCC PAVING
L103	11+00.00	13.50	1123.43	MATCH EXISTING
L104	11+03.21	12.50	1121.52	BEGIN CURB DROP
L105	11+06.49	12.50	1120.54	BEGIN 20' RADIUS
L106	11+09.71	12.50	1120.54	END CURB DROP
L107	11+12.98	12.50	1121.52	MIDPOINT 20' RADIUS
L108	11+16.25	12.50	1120.52	END 20' RADIUS/BEGIN LOW DROP
L109	11+19.50	12.50	1121.47	END CURB DROP
L110	11+00.00	13.50	1121.40	20' RADIUS POINT
L111	11+03.21	13.50	1121.60	BEGIN CURB DROP
L112	11+06.49	13.50	1121.60	BEGIN 20' RADIUS
L113	11+09.71	13.50	1120.60	END CURB DROP
L114	11+12.98	13.50	1121.71	MIDPOINT 20' RADIUS
L115	11+16.25	13.50	1121.49	END 20' RADIUS
L116	11+19.50	13.50	1121.48	BEGIN CURB DROP
L117	11+22.75	13.50	1121.41	END CURB DROP
L118	11+00.00	15.50	1121.50	20' RADIUS POINT
L119	11+03.21	15.50	1121.50	BEGIN CURB DROP
L120	11+06.49	15.50	1121.49	END CURB DROP
L121	11+09.71	15.50	1121.49	BEGIN 20' RADIUS
L122	11+12.98	15.50	1121.49	END CURB DROP
L123	11+16.25	15.50	1121.41	BEGIN 20' RADIUS
L124	11+19.50	15.50	1121.41	MIDPOINT 20' RADIUS

POINT LOCATIONS BASED OFF ML\_CR HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L125	11+22.75	15.50	1121.50	BEGIN CURB DROP
L126	11+26.00	15.50	1121.24	END 20' RADIUS
L127	11+29.25	15.50	1121.43	END CURB DROP
L128	11+32.50	15.50	1121.50	20' RADIUS POINT
L129	11+35.75	15.50	1121.49	BEGIN CURB DROP
L130	11+39.00	15.50	1121.49	BEGIN 20' RADIUS/END CURB DROP
L131	11+42.25	15.50	1121.49	MIDPOINT 20' RADIUS
L132	11+45.50	15.50	1120.49	BEGIN CURB DROP
L133	11+48.75	15.50	1121.48	END CURB DROP
L134	11+52.00	15.50	1121.49	20' RADIUS POINT
L135	11+55.25	15.50	1121.49	BEGIN CURB DROP
L136	11+58.50	15.50	1121.49	END CURB DROP

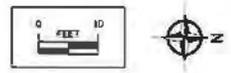
POINT LOCATIONS BASED OFF ML\_CR HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L137	11+22.75	15.50	1121.48	MATCH EXISTING
L138	11+26.00	15.50	1121.48	BEGIN SR 14TH PCC PAVING
L139	11+29.25	15.50	1121.48	MATCH EXISTING
L140	11+32.50	15.50	1121.48	MATCH EXISTING
L141	11+35.75	15.50	1121.48	MATCH EXISTING
L142	11+39.00	15.50	1121.48	END SR 14TH PCC PAVING
L143	11+42.25	15.50	1121.48	MATCH EXISTING

POINT LOCATIONS BASED OFF SR.14 HORIZONTAL ALIGNMENT.

NOTES:  
 ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.  
 CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

For Storm Sewer Form Grade Information Refer to the S-Sheets.  
 For Sidewalk and Pedestrian Ramp Information Refer to the SW-Sheets.



PROJECT NO. 15082.01	DESIGNED BY JAH/RL
PROJECT JCT. 22142015	CHECKED BY JAD/RL
DWG DATE: 1/15/2016	DRAWN BY: JAH/RL
PL: 1:100	

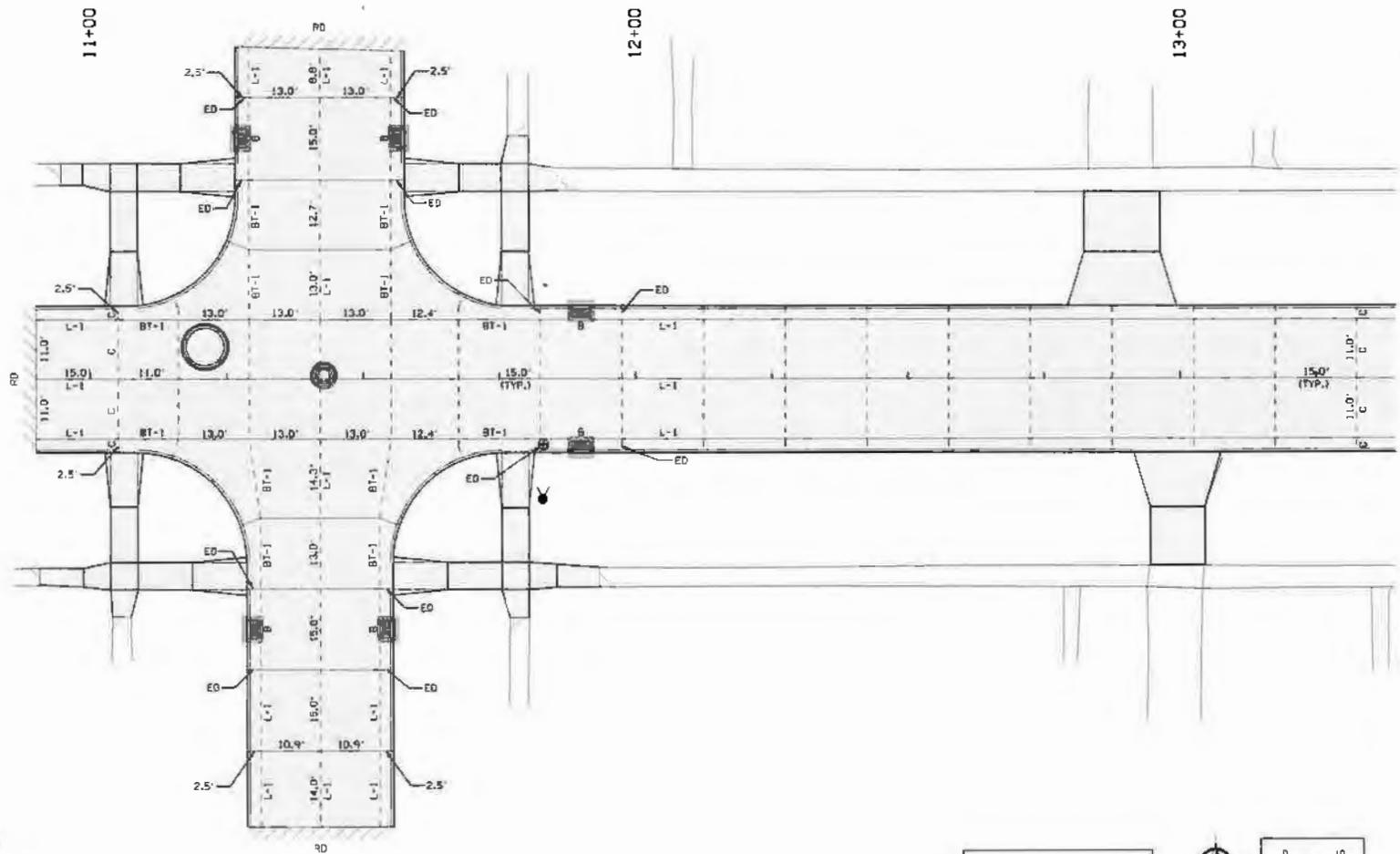
NO.	DATE	BY	REVISION DESCRIPTION



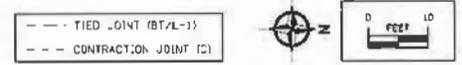
**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 GEOMETRICS AND STAKING

SHEET NO.  
**L.01**



NOTES:  
 KEYWAY JOINTS WILL NOT BE ALLOWED.  
 CONTRACTOR TO VERIFY EXISTING JOINT LOCATIONS AND SPACING AND NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.  
 RD JOINTS TO BE MODIFIED AS SHOWN IN FIGURE 7D10.101 ON B-SHEETS.



PROJECT NO: 08-023-C	DATE: 07/27/2010	BY: JMB/PP
PROJECT DATE: 07/27/2010	DESIGNED BY: JMB/AF	
DATE: 07/27/2010	DATE: 07/27/2010	DATE: 07/27/2010
DATE: 07/27/2010	DATE: 07/27/2010	DATE: 07/27/2010

NO.	DATE	BY	REVISION/DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET JOINTING**

SHEET NO.  
**L.02**

Point	Station	Offset	Elevation	Description
L.331	200+25.31	15.47	112.575	MATCH EXISTING
L.332	200+26.21	36.21	1124.37	SECTION SR 15TH M.P. 0+00
L.333	200+26.38	15.23	1124.28	MATCH EXISTING
L.341	200+26.18	-4.48	1124.23	MATCH EXISTING
L.342	200+26.29	4.37	1124.37	MATCH EXISTING
L.343	200+26.22	15.24	1124.28	MATCH EXISTING

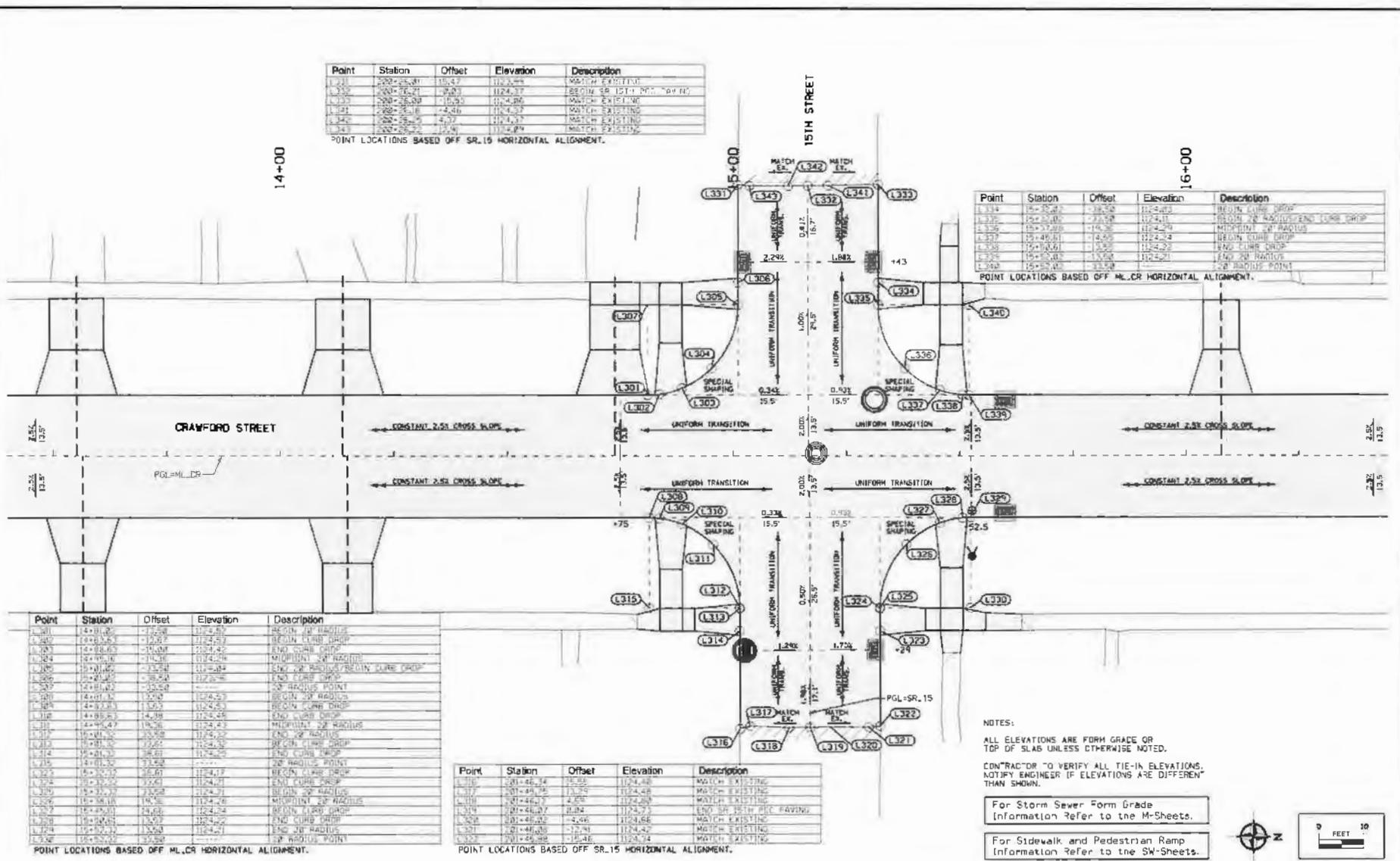
POINT LOCATIONS BASED OFF SR.15 HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L.334	15+32.82	-2.82	1124.23	BEGIN CURB DROP
L.335	15+33.01	-2.82	1124.11	BELOW 20' RADIUS END CURB DROP
L.336	15+33.28	-16.28	1124.28	MIDPOINT 20' RADIUS
L.337	15+33.51	-4.51	1124.24	BEGIN CURB DROP
L.338	15+33.51	15.51	1124.22	END CURB DROP
L.339	15+33.83	15.83	1124.21	END 20' RADIUS
L.340	15+33.83	33.83	1124.21	20' RADIUS POINT

POINT LOCATIONS BASED OFF ML.CR HORIZONTAL ALIGNMENT.

NOTES:  
 ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.  
 CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

For Storm Sewer Form Grade Information Refer to the M-Sheets.  
 For Sidewalk and Pedestrian Ramp Information Refer to the SW-Sheets.

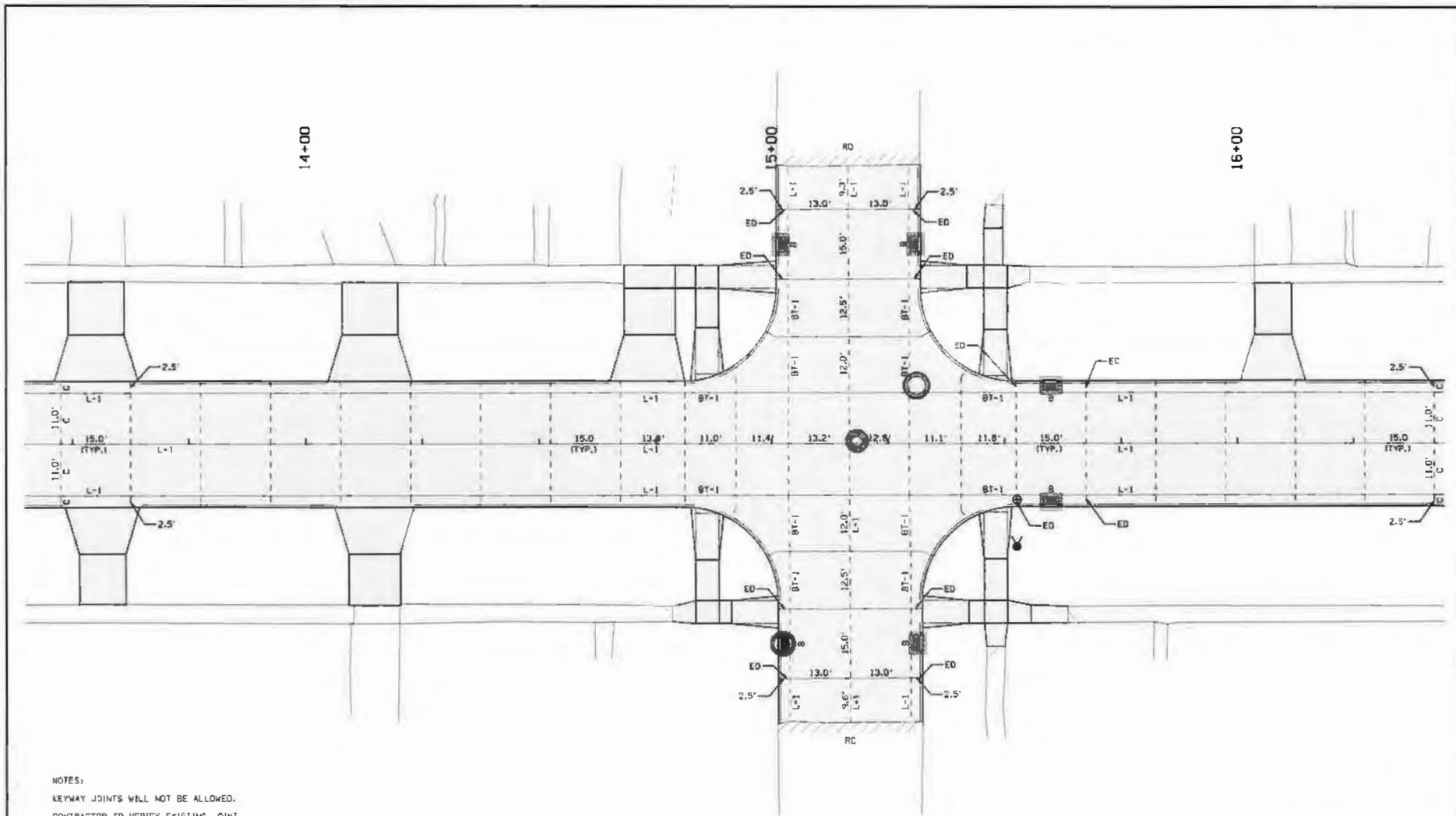


Point	Station	Offset	Elevation	Description
L.301	14+00.00	-17.50	1124.51	BEGIN 20' RADIUS
L.302	14+00.50	-17.50	1124.57	BEGIN CURB DROP
L.303	14+00.63	-19.63	1124.42	END CURB DROP
L.304	14+00.70	-11.20	1124.28	MIDPOINT 20' RADIUS
L.305	14+00.85	-13.85	1124.24	END 20' RADIUS BEGIN CURB DROP
L.306	14+01.00	-5.00	1124.28	END CURB DROP
L.307	14+01.02	-33.52	1124.28	20' RADIUS POINT
L.308	14+01.12	13.62	1124.23	BEGIN 20' RADIUS
L.309	14+01.33	13.33	1124.25	BEGIN CURB DROP
L.310	14+01.53	14.98	1124.28	END CURB DROP
L.311	14+01.67	18.28	1124.23	MIDPOINT 20' RADIUS
L.312	14+01.72	33.28	1124.22	END 20' RADIUS
L.313	14+01.75	33.25	1124.28	BEGIN CURB DROP
L.314	14+01.73	34.63	1124.28	END CURB DROP
L.315	14+01.73	33.88	1124.28	20' RADIUS POINT
L.316	14+01.72	32.67	1124.17	BEGIN CURB DROP
L.317	14+01.72	32.61	1124.21	END CURB DROP
L.318	14+01.72	33.28	1124.21	BEGIN 20' RADIUS
L.319	14+01.80	18.28	1124.28	MIDPOINT 20' RADIUS
L.320	14+01.81	18.28	1124.28	BEGIN CURB DROP
L.321	14+01.82	15.72	1124.22	END CURB DROP
L.322	14+01.73	32.63	1124.21	END 20' RADIUS
L.323	14+01.72	33.28	1124.21	20' RADIUS POINT

POINT LOCATIONS BASED OFF ML.CR HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L.316	201+46.34	34.34	1124.48	MATCH EXISTING
L.317	201+46.35	13.35	1124.48	MATCH EXISTING
L.318	201+46.27	4.28	1124.28	MATCH EXISTING
L.319	201+46.27	2.82	1124.23	END SR.15TH REC. PAVING
L.320	201+46.22	-2.22	1124.58	MATCH EXISTING
L.321	201+46.25	-12.24	1124.42	MATCH EXISTING
L.322	201+46.28	-15.28	1124.34	MATCH EXISTING

POINT LOCATIONS BASED OFF SR.15 HORIZONTAL ALIGNMENT.



NOTES:  
 KEYWAY JOINTS WILL NOT BE ALLOWED.  
 CONTRACTOR TO VERIFY EXISTING JOINT  
 LOCATIONS AND SPACING AND NOTIFY  
 THE ENGINEER IF DIFFERENT THAN SHOWN.  
 RD JOINTS TO BE MODIFIED AS SHOWN  
 IN FIGURE 7010.101 ON B-SHEETS.



PROJECT NO: 1560111	DESIGNED BY: J. SHIPLE
PROJECT DATE: 02/24/2016	IN CHARGE BY: J. SHIPLE
DATE: 1/11/2016	CHECK BY: J. SHIPLE
DATE: 1/11/2016	CHECK BY: J. SHIPLE

NO.	DATE	BY	REVISION/DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 JOINTING

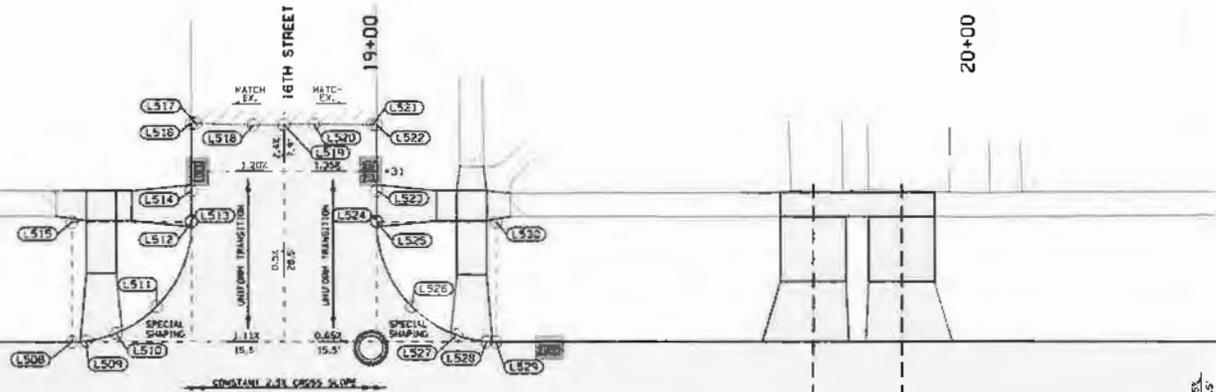
SHEET NO:  
**L.04**

18+00

20+00

Point	Station	Offset	Elevation	Description
L516	18+22.85	05.00	1126.15	MATCH EXISTING
L517	18+22.85	14.74	1126.36	MATCH EXISTING
L518	18+22.85	00.00	1126.30	MATCH EXISTING
L519	18+22.85	00.00	1125.55	BEGIN SR 16TH P.C. PAVING
L520	18+23.42	00.00	1125.25	MATCH EXISTING
L521	18+23.14	24.84	1126.11	MATCH EXISTING
L522	18+23.14	15.50	1126.38	MATCH EXISTING
L523	18+23.14	00.00	1126.38	MATCH EXISTING
L524	18+23.72	00.00	1125.81	END SR 16TH P.C. PAVING
L525	18+23.72	16.24	1125.81	MATCH EXISTING

POINT LOCATIONS BASED OFF SR\_16 HORIZONTAL ALIGNMENT.



2.5%  
0.5'

2.5%  
0.5'

2.5%  
0.5'

2.5%  
0.5'

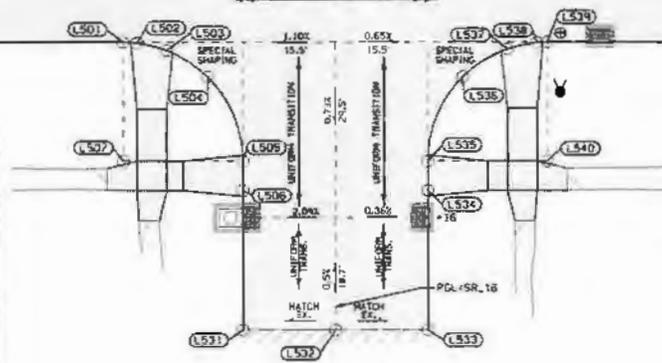
CRAWFORD STREET

CONSTANT 2.3% CROSS SLOPE

PCL=M.L.CR

Point	Station	Offset	Elevation	Description
L501	18+10.00	15.50	1125.94	BEGIN 20' RADIUS
L502	18+27.47	15.50	1125.82	BEGIN CURB DROP
L503	18+27.47	4.00	1125.94	END CURB DROP
L504	18+10.00	11.13	1125.94	MIDPOINT 20' RADIUS
L505	18+27.47	11.13	1125.86	END 20' RADIUS/BEGIN CURB DROP
L506	18+27.47	00.00	1125.87	END CURB DROP
L507	18+28.16	15.50	1125.87	20' RADIUS POINT
L508	18+28.16	15.50	1125.90	BEGIN 20' RADIUS
L509	18+28.16	11.13	1125.90	BEGIN CURB DROP
L510	18+28.16	00.00	1125.90	END CURB DROP
L511	18+28.16	11.13	1125.94	MIDPOINT 20' RADIUS
L512	18+28.16	15.50	1125.90	END 20' RADIUS
L513	18+28.16	15.74	1125.88	BEGIN CURB DROP
L514	18+28.16	16.74	1125.97	END CURB DROP
L515	18+28.16	15.50	1125.87	20' RADIUS POINT
L516	18+07.00	16.74	1125.87	BEGIN CURB DROP
L517	18+07.00	15.50	1125.80	END CURB DROP
L518	18+07.00	15.50	1125.81	MIDPOINT 20' RADIUS
L519	18+07.00	11.13	1125.81	BEGIN CURB DROP
L520	18+07.00	00.00	1125.81	END CURB DROP
L521	18+07.00	11.13	1125.87	MIDPOINT 20' RADIUS
L522	18+07.00	15.50	1125.87	BEGIN CURB DROP
L523	18+07.00	15.50	1125.87	END CURB DROP
L524	18+07.00	15.50	1125.85	END 20' RADIUS
L525	18+07.00	15.50	1125.87	20' RADIUS POINT

POINT LOCATIONS BASED OFF M.L.CR HORIZONTAL ALIGNMENT.



Point	Station	Offset	Elevation	Description
L534	18+07.00	16.50	1126.07	BEGIN CURB DROP
L535	18+07.00	15.50	1126.05	BEGIN 20' RADIUS/END CURB DROP
L536	18+07.00	15.50	1126.17	MIDPOINT 20' RADIUS
L537	18+07.00	14.86	1126.12	BEGIN CURB DROP
L538	18+07.00	15.07	1126.07	END CURB DROP
L539	18+07.00	15.50	1126.05	END 20' RADIUS
L540	18+07.00	15.50	1126.05	20' RADIUS POINT

POINT LOCATIONS BASED OFF M.L.CR HORIZONTAL ALIGNMENT.

NOTES:

ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.

CONTRACTOR TO VERIFY ALL TIE IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

For Storm Sewer Form Grade Information Refer to the M-Sheets.

For Sidewalk and Pedestrian Ramp Information Refer to the SW-Sheets.



PROJECT NO: 18221-C  
SHEET NO: 22/24/5-S  
DATE: 11/11/10  
DRAWN BY: EAB/JP/E

DESIGNED BY: XANPP  
CHECKED BY: RSC/1

NO. DATE BY REVISION DESCRIPTION



CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IA

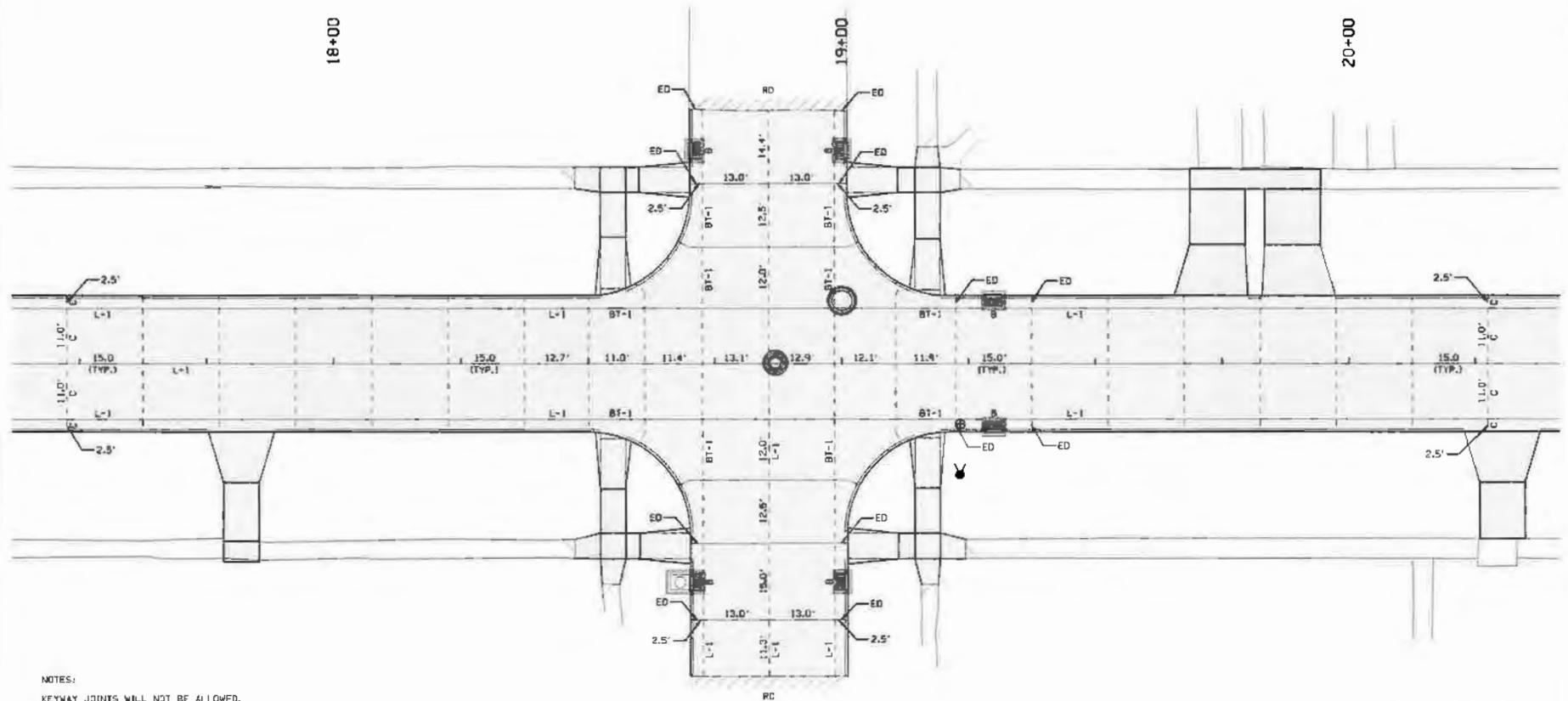
CRAWFORD STREET  
GEOMETRICS AND STAKING

SHEET NO.  
L.05

18+00

19+00

20+00



NOTES:

KEYWAY JOINTS WILL NOT BE ALLOWED.

CONTRACTOR TO VERIFY EXISTING JOINT LOCATIONS AND SPACING AND NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.

RD JOINTS TO BE MODIFIED AS SHOWN IN FIGURE 7013.101 ON B-SHEETS.



PROJECT NO. 12600-01	DESIGNED BY: KURT HILL
PROJECT UNIT: 12600-010	CHECKED BY: J. ROOP
DATE: 11/12/14	DRAWN BY: K. SHAFER
DATE: 11/12/14	DATE: 11/12/14

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
**JOINTING**

SHEET NO.  
**L.06**

Point	Station	Offset	Elevation	Description
L715	420+10.97	15.48	1121.16	MATCH EXISTING
L716	420+14.99	14.44	1122.26	MATCH EXISTING
L717	420+22.03	4.75	1128.34	MATCH EXISTING
L718	420+25.01	20.84	1128.20	BEGIN 20' RADIUS BEGIN CURSE DROP
L719	420+26.18	5.24	1133.81	MATCH EXISTING
L720	420+30.15	10.10	1127.24	MATCH EXISTING
L721	420+30.15	10.54	1127.14	MATCH EXISTING

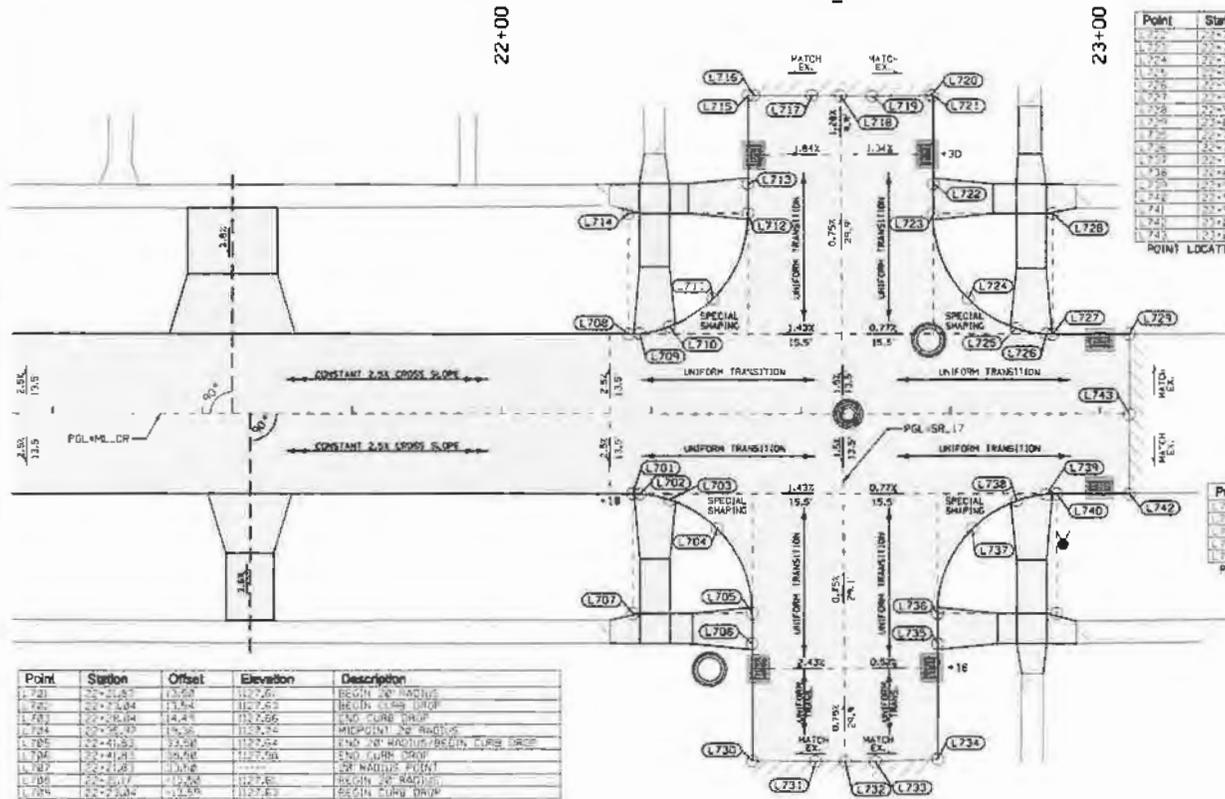
POINT LOCATIONS BASED OFF SR.17 HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L722	420+32.01	16.52	1127.26	BEGIN CURSE DROP
L723	420+33.07	17.27	1122.54	BEGIN 20' RADIUS END CURSE DROP
L724	420+33.83	119.38	1122.17	MATCH EXISTING
L725	420+35.00	22.24	1125.17	BEGIN CURSE DROP
L726	420+36.17	10.53	1127.38	END CURSE DROP
L727	420+37.17	15.28	1128.24	END 20' RADIUS
L728	420+38.11	10.54	1128.20	20' RADIUS POINT
L729	420+39.18	113.50	1128.45	MATCH EXISTING
L730	420+40.25	28.53	1127.28	BEGIN CURSE DROP
L731	420+41.25	33.29	1127.90	BEGIN 20' RADIUS END CURSE DROP
L732	420+42.44	179.26	1128.20	MATCH EXISTING
L733	420+43.10	14.43	1128.20	BEGIN CURSE DROP
L734	420+44.02	112.97	1128.38	END CURSE DROP
L735	420+45.02	122.97	1128.34	END 20' RADIUS
L736	420+45.52	33.50	1128.34	20' RADIUS POINT
L737	420+46.00	102.80	1128.30	MATCH EXISTING
L738	420+46.00	102.80	1128.27	END MAINLINE PCC PAVING

POINT LOCATIONS BASED OFF ML.CR HORIZONTAL ALIGNMENT.

Point	Station	Offset	Elevation	Description
L739	420+47.00	102.80	1128.27	MATCH EXISTING
L740	420+47.00	102.80	1128.27	MATCH EXISTING
L741	420+47.00	102.80	1128.27	MATCH EXISTING
L742	420+47.00	102.80	1128.27	MATCH EXISTING
L743	420+47.00	102.80	1128.27	MATCH EXISTING
L744	420+47.00	102.80	1128.27	MATCH EXISTING
L745	420+47.00	102.80	1128.27	MATCH EXISTING
L746	420+47.00	102.80	1128.27	MATCH EXISTING
L747	420+47.00	102.80	1128.27	MATCH EXISTING
L748	420+47.00	102.80	1128.27	MATCH EXISTING
L749	420+47.00	102.80	1128.27	MATCH EXISTING
L750	420+47.00	102.80	1128.27	MATCH EXISTING
L751	420+47.00	102.80	1128.27	MATCH EXISTING
L752	420+47.00	102.80	1128.27	MATCH EXISTING
L753	420+47.00	102.80	1128.27	MATCH EXISTING
L754	420+47.00	102.80	1128.27	MATCH EXISTING
L755	420+47.00	102.80	1128.27	MATCH EXISTING
L756	420+47.00	102.80	1128.27	MATCH EXISTING
L757	420+47.00	102.80	1128.27	MATCH EXISTING
L758	420+47.00	102.80	1128.27	MATCH EXISTING
L759	420+47.00	102.80	1128.27	MATCH EXISTING
L760	420+47.00	102.80	1128.27	MATCH EXISTING
L761	420+47.00	102.80	1128.27	MATCH EXISTING
L762	420+47.00	102.80	1128.27	MATCH EXISTING
L763	420+47.00	102.80	1128.27	MATCH EXISTING
L764	420+47.00	102.80	1128.27	MATCH EXISTING
L765	420+47.00	102.80	1128.27	MATCH EXISTING
L766	420+47.00	102.80	1128.27	MATCH EXISTING
L767	420+47.00	102.80	1128.27	MATCH EXISTING
L768	420+47.00	102.80	1128.27	MATCH EXISTING
L769	420+47.00	102.80	1128.27	MATCH EXISTING
L770	420+47.00	102.80	1128.27	MATCH EXISTING
L771	420+47.00	102.80	1128.27	MATCH EXISTING
L772	420+47.00	102.80	1128.27	MATCH EXISTING
L773	420+47.00	102.80	1128.27	MATCH EXISTING
L774	420+47.00	102.80	1128.27	MATCH EXISTING
L775	420+47.00	102.80	1128.27	MATCH EXISTING
L776	420+47.00	102.80	1128.27	MATCH EXISTING
L777	420+47.00	102.80	1128.27	MATCH EXISTING
L778	420+47.00	102.80	1128.27	MATCH EXISTING
L779	420+47.00	102.80	1128.27	MATCH EXISTING
L780	420+47.00	102.80	1128.27	MATCH EXISTING
L781	420+47.00	102.80	1128.27	MATCH EXISTING
L782	420+47.00	102.80	1128.27	MATCH EXISTING
L783	420+47.00	102.80	1128.27	MATCH EXISTING
L784	420+47.00	102.80	1128.27	MATCH EXISTING
L785	420+47.00	102.80	1128.27	MATCH EXISTING
L786	420+47.00	102.80	1128.27	MATCH EXISTING
L787	420+47.00	102.80	1128.27	MATCH EXISTING
L788	420+47.00	102.80	1128.27	MATCH EXISTING
L789	420+47.00	102.80	1128.27	MATCH EXISTING
L790	420+47.00	102.80	1128.27	MATCH EXISTING
L791	420+47.00	102.80	1128.27	MATCH EXISTING
L792	420+47.00	102.80	1128.27	MATCH EXISTING
L793	420+47.00	102.80	1128.27	MATCH EXISTING
L794	420+47.00	102.80	1128.27	MATCH EXISTING
L795	420+47.00	102.80	1128.27	MATCH EXISTING
L796	420+47.00	102.80	1128.27	MATCH EXISTING
L797	420+47.00	102.80	1128.27	MATCH EXISTING
L798	420+47.00	102.80	1128.27	MATCH EXISTING
L799	420+47.00	102.80	1128.27	MATCH EXISTING
L800	420+47.00	102.80	1128.27	MATCH EXISTING

POINT LOCATIONS BASED OFF SR.17 HORIZONTAL ALIGNMENT.



Point	Station	Offset	Elevation	Description
L701	22+41.53	13.68	1127.56	BEGIN 20' RADIUS
L702	22+43.04	13.64	1127.52	BEGIN CURSE DROP
L703	22+46.04	14.43	1127.56	END CURSE DROP
L704	22+46.70	19.26	1122.92	MATCH EXISTING
L705	22+47.53	14.26	1122.56	END 20' RADIUS BEGIN CURSE DROP
L706	22+48.25	20.60	1127.08	END CURSE DROP
L707	22+48.25	10.16	1127.08	20' RADIUS POINT
L708	22+49.17	10.20	1127.61	BEGIN 20' RADIUS
L709	22+50.04	13.59	1127.43	BEGIN CURSE DROP
L710	22+51.04	10.72	1127.69	END CURSE DROP
L711	22+51.25	10.16	1127.79	MATCH EXISTING
L712	22+51.72	10.54	1127.70	END 20' RADIUS BEGIN CURSE DROP
L713	22+52.03	10.20	1127.58	END CURSE DROP
L714	22+52.03	10.52	1127.48	20' RADIUS POINT

POINT LOCATIONS BASED OFF ML.CR HORIZONTAL ALIGNMENT.

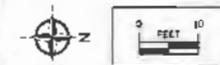
NOTES:

ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.

CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN SHOWN.

For Storm Sewer Form Grads  
Information Refer to the M-Sheets.

For Sidewalk and Pedestrian Ramp  
Information Refer to the SW-Sheets.



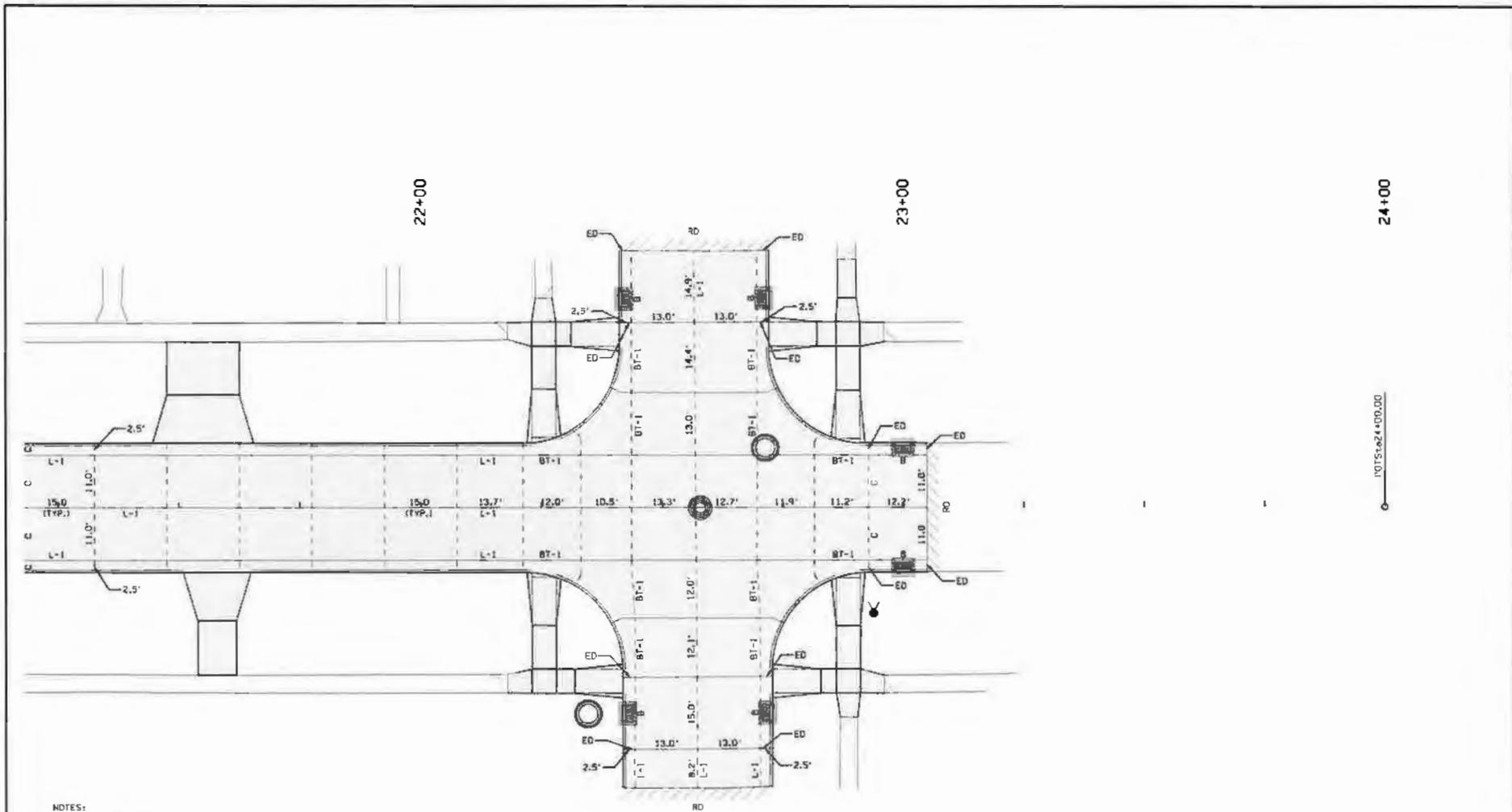
PROJECT NO: 220224-01	J. WALSH: SWP BY: B	NO. DATE BY	REVISION DESCRIPTION
PROJECT NAME: CRAWFORD ST	CITY/STATE: MO/IL		
PROJECT LOCATION: 14TH STREET TO 17TH STREET	DRAWN BY: MARCH P		
DATE: 03/20/2024	SCALE: 1"=40'		



CRAWFORD STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IA

CRAWFORD STREET  
GEOMETRICS AND STAKING

L.07



107516424+000.00

NOTES:  
 KEYWAY JOINTS WILL NOT BE ALLOWED.  
 CONTRACTOR TO VERIFY EXISTING JOINT LOCATIONS AND SPACING AND NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.  
 RC JOINTS TO BE MODIFIED AS SHOWN IN FIGURE 7010.101 ON B-SHEETS.



PROJECT NO: 2020020	DESIGNED BY: VANHEP, P.
PROJ. DATE: 2/2/2020	DRAWN BY: JACKIE
JOB NO: 2020020	CHECKED BY: VANHEP, P.
CAD FILE: 2020020.dwg	DATE PLOTTED: 2/2/2020

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 JOINTING

DATE NO.  
**L.08**

**STORM SEWER**

① Diameter or equivalent diameter  
\* Bid Item  
\*\* For SW-545

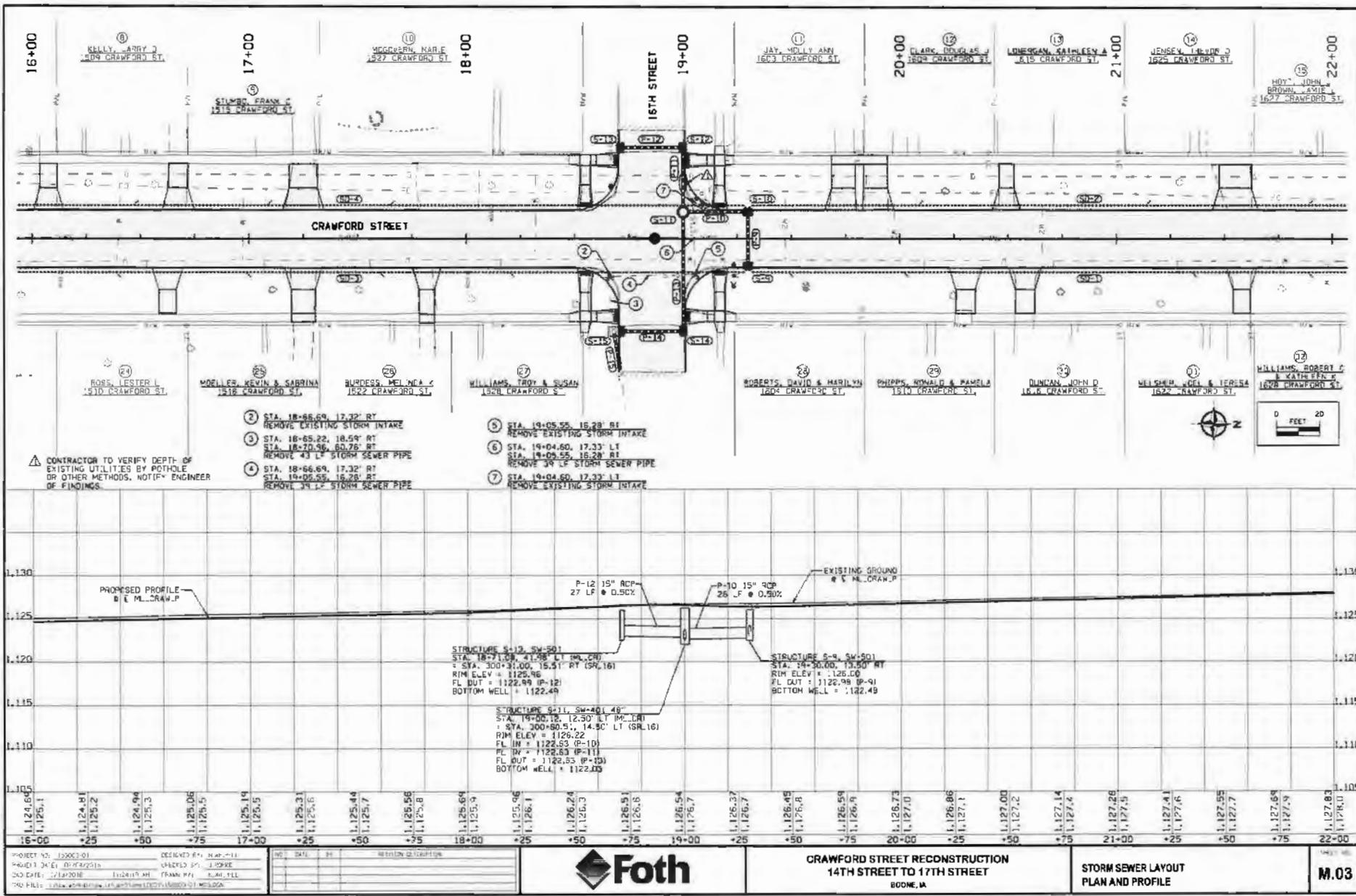
INTAKES AND UTILITY ACCESSES							PIPES												
No.	Location Station and Offset	*Type or Standard Road Plan	Form	Bottom	Ext. Leng. FT	Notes	Line Number	Intake/ Utility Access No.	Class 'D'	Pipe Size	Bid* Length FT	Design Length FT	Slope %	Flow Lines			Pipe Profile Sheet No.	Notes	
			Grade	Well										Inlet Elevation	Outlet Elevation	Other Elevation			
			Elev.	Elev.	Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe. An additional 3 ft length is added to each side of the Design Length to account for estimated length to center of structures.														
			From	To															
5-1	23+00.00, 13.50' RT	SW-501	1128.39	1124.76			P-1	5-1	5-2	V	15	29	23.0	0.50	1125.06	1124.95		M.04	
5-2	23+00.00, 13.50' LT	SW-501	1128.43	1124.35			P-2	5-2	5-3	V	15	31	25.0	0.50	1124.05	1124.73		M.04	
5-3	22+71.41, 12.50' LT	SW-401, 48"	1128.24	1123.35			P-3	5-4	5-3	V	15	33	27.0	0.50	1124.08	1123.95		M.04	
5-4	400+30.00, 15.47' LT	SW-501	1127.68	1123.58			P-4	5-5	5-4	V	15	33	27.0	0.50	1124.31	1124.18		M.04	
5-5	400+30.00, 15.53' RT	SW-501	1127.61	1123.01			P-5	5-3	5-6	V	15	57	51.0	0.50	1123.85	1123.60		M.04	
5-6	401+16.00, 15.59' LT	SW-501	1127.82	1123.00			P-6	5-6	5-7	V	15	33	27.0	0.50	1123.58	1123.37		M.04	
5-7	401+16.00, 15.41' RT	SW-501	1127.52	1122.77			P-7	5-7	5-8	V	15	11	5.0	0.50	1123.27	1123.25		M.04	
5-8	401+16.00, 22.59' RT	SW-401, 48"	1128.18	1122.65			P-8	5-8	EXT.	III	24	11	8.0	≥ 0.5	1123.15	EXIST.		M.04	VERIFY EXIST. ELEV.
5-9	19+30.00, 13.50' RT	SW-501	1126.00	1122.48			P-9	5-9	5-10	V	15	29	23.0	0.50	1122.98	1122.86		M.03	
5-10	19+30.00, 13.50' LT	SW-501	1126.00	1122.26			P-10	5-10	5-11	V	15	32	26.0	0.50	1122.76	1122.63		M.03	
5-11	19+06.12, 12.50' LT	SW-401, 48"	1126.22	1122.03			P-11	5-12	5-11	V	15	32	26.0	0.50	1122.76	1122.63		M.03	
5-12	300+31.00, 15.49' LT	SW-501	1125.94	1122.26			P-12	5-13	5-12	V	15	33	27.0	0.50	1122.99	1122.86		M.03	
5-13	300+31.00, 15.51' RT	SW-501	1125.96	1122.49			P-13	5-11	5-14	V	15	58	52.0	0.50	1122.53	1122.27		M.03	
5-14	301+16.00, 15.51' LT	SW-501	1126.03	1121.67			P-14	5-14	5-15	V	15	33	27.0	0.50	1122.17	1122.04		M.03	
5-15	301+16.00, 15.49' RT	SW-503	1125.76	1121.44			P-15	5-15	EXT.	V	15	20	17.0	≥ 0.5	1121.94	EXIST.		M.03	VERIFY EXIST. ELEV.
5-16	15+60.00, 13.50' RT	SW-501	1124.15	1120.63			P-16	5-16	5-17	V	12	29	23.0	0.50	1121.13	1121.02		M.02	
5-17	15+60.00, 13.50' LT	SW-501	1124.15	1120.42			P-17	5-17	5-18	V	12	31	25.0	0.50	1120.92	1120.80		M.02	
5-18	15+31.13, 12.50' LT	SW-401, 48"	1124.43	1119.87			P-18	5-20	5-18	V	12	33	27.0	0.50	1120.60	1120.47		M.02	
5-19	200+43.00, 15.52' RT	SW-501	1123.89	1120.33			P-19	5-19	5-20	V	12	33	27.0	0.50	1120.83	1120.70		M.02	
5-20	200+43.00, 15.48' LT	SW-501	1123.95	1120.50			P-20	5-18	5-21	V	12	58	52.0	0.50	1120.37	1120.11		M.02	
5-21	201+29.00, 15.51' LT	SW-501	1124.13	1119.51			P-21	5-21	5-22	V	12	33	27.0	0.50	1120.01	1119.88		M.02	
5-22	201+29.00, 15.49' RT	SW-502, 48"	1124.19	1114.67			P-22	5-22	EXT.	V	12	11	8.0	1.25	1115.17	1115.07		M.02	VERIFY EXIST. ELEV.
5-23	11+90.00, 13.50' RT	SW-501	1123.38	1119.56			P-23	5-23	5-24	V	15	29	23.0	0.50	1120.66	1119.95		M.02	
5-24	11+90.00, 13.50' LT	SW-501	1123.38	1119.35			P-24	5-24	5-25	V	15	70	64.0	0.75	1119.85	1119.17		M.02	
5-25	11+21.06, 6.00' LT	SW-401, 84"	1123.93	1116.65			P-25	5-25	5-31	III	48	35	32.0	0.31	1117.15	1117.05		M.02	VERIFY EXIST. ELEV.
5-26	100+40.00, 15.51' LT	SW-501	1123.34	1118.79			P-26	5-30	5-25	III	48	51	48.0	0.31	1117.32	1117.17		M.02	VERIFY EXIST. ELEV.
5-27	100+40.00, 15.40' RT	SW-501	1123.34	1118.12			P-27	5-26	5-27	V	15	33	27.0	0.50	1119.29	1119.15		M.02	
5-28	101+30.00, 13.39' LT	SW-501	1123.39	1119.03			P-28	5-27	P-31	V	15	7	4.0	0.50	1118.62	1118.42		M.02	CONNECT VIA 5-31
5-29	101+30.00, 13.42' RT	SW-501	1123.38	1118.41			P-29	5-28	5-29	V	15	28	22.0	0.50	1119.53	1119.42		M.02	
5-30	101+30.00, 19.91' RT	15" X 48" RCP TEE	1127.33			15' FL = 1118.71	P-30	5-29	5-30	V	15	7	4.0	0.50	1118.91	1118.71		M.02	CONNECT VIA 5-30
5-31	100+40.00, 21.89' RT	15" X 48" RCP TEE	1127.04			15' FL = 1118.42	P-31	EXT.	5-30	III	48	8	8.0	0.31	1117.36	1117.34		M.02	
							P-32	5-31	EXT.	III	48	8	8.0	0.31	1117.03	1117.01		M.02	

**LIST OF SUBDRAIN WORK**

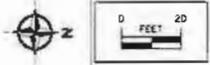
\* Not a bid item

No.	Station to Station	Type of Installation	Pipe Concrete C.M.P., C.M.P., Coated, or Plastic	Pipe		Aprons		Outlets		Connected Pipe Joints*	Trench Drain	Granular Material	Porous Backfill*	Class "A" Crushed Stone*	Remarks
				Dia.	Length	No.	No.	No.	Type						
SD-1	15+30.50	32+99.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-1 TO 5-8
SD-2	19+30.50	22+99.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-2 TO 5-10
SD-3	15+60.50	19+29.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-9 TO 5-16
SD-4	15+60.50	19+25.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-10 TO 5-17
SD-5	11+90.50	15+59.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-16 TO 5-23
SD-6	11+90.50	15+59.50	Plastic	8.0	370										CONNECT FROM STORM STRUCTURES 5-17 TO 5-24





CONTRACTOR TO VERIFY DEPTH OF EXISTING UTILITIES BY POTHOLE OR OTHER METHODS. NOTIFY ENGINEER OF FINDINGS.

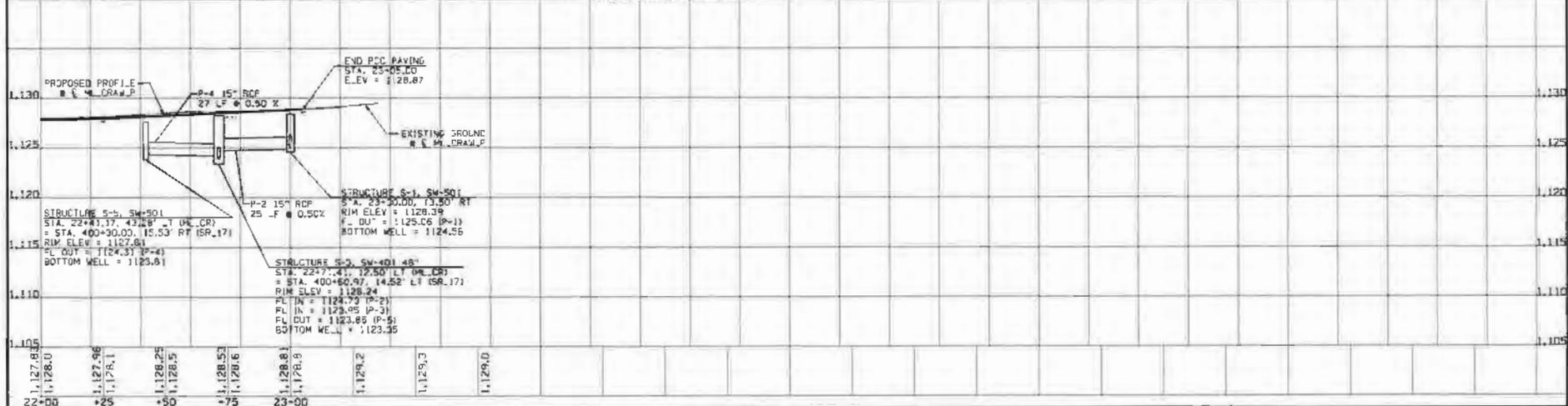
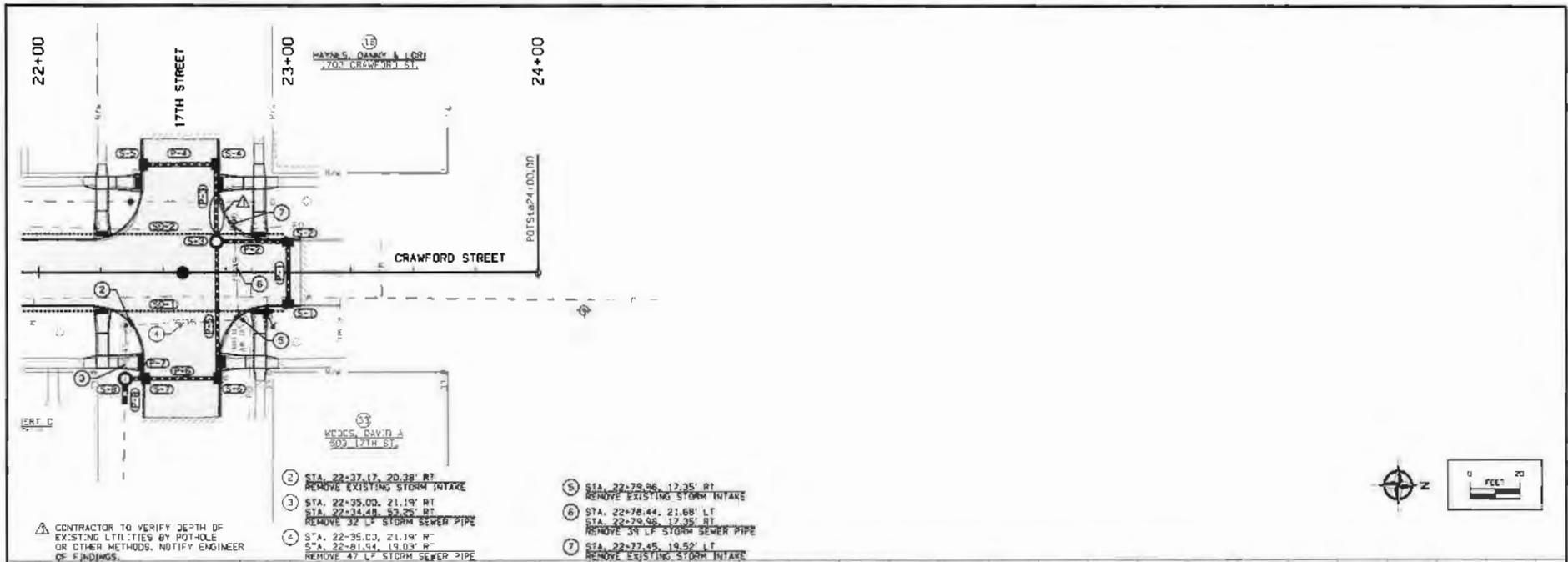


**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**STORM SEWER LAYOUT**  
PLAN AND PROFILE

**M.03**

PROJECT NO. 130003-01	DESIGNED BY: N.A.P.-11
PROJECT DATE: 01/14/2016	CHECKED BY: J. SORKE
DATE: 11/14/2016	FRANK PFL
FILE: \\saw\pfl\130003-01\130003-01.MXD	



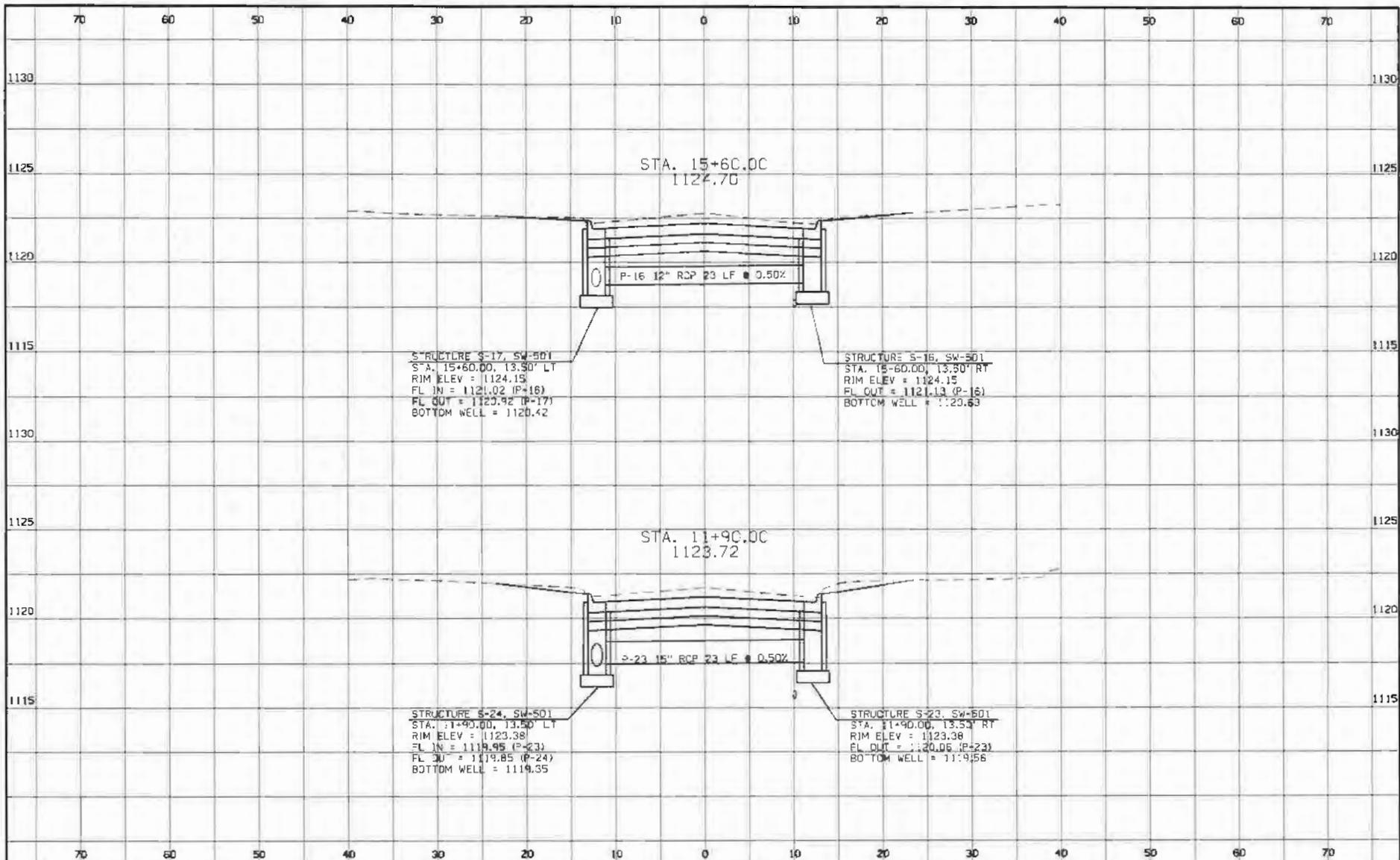
NO.	DATE	BY	REVISION/DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BODINE, IA

**STORM SEWER LAYOUT**  
PLAN AND PROFILE

SHEET NO.  
**M.04**



PROJECT NO: 1532703  
 PROJECT DATE: 02/01/2015  
 DRAWN BY: J. HARRIS  
 CHECKED BY: J. HARRIS  
 DATE: 02/01/2015  
 FILE: 1532703.dwg

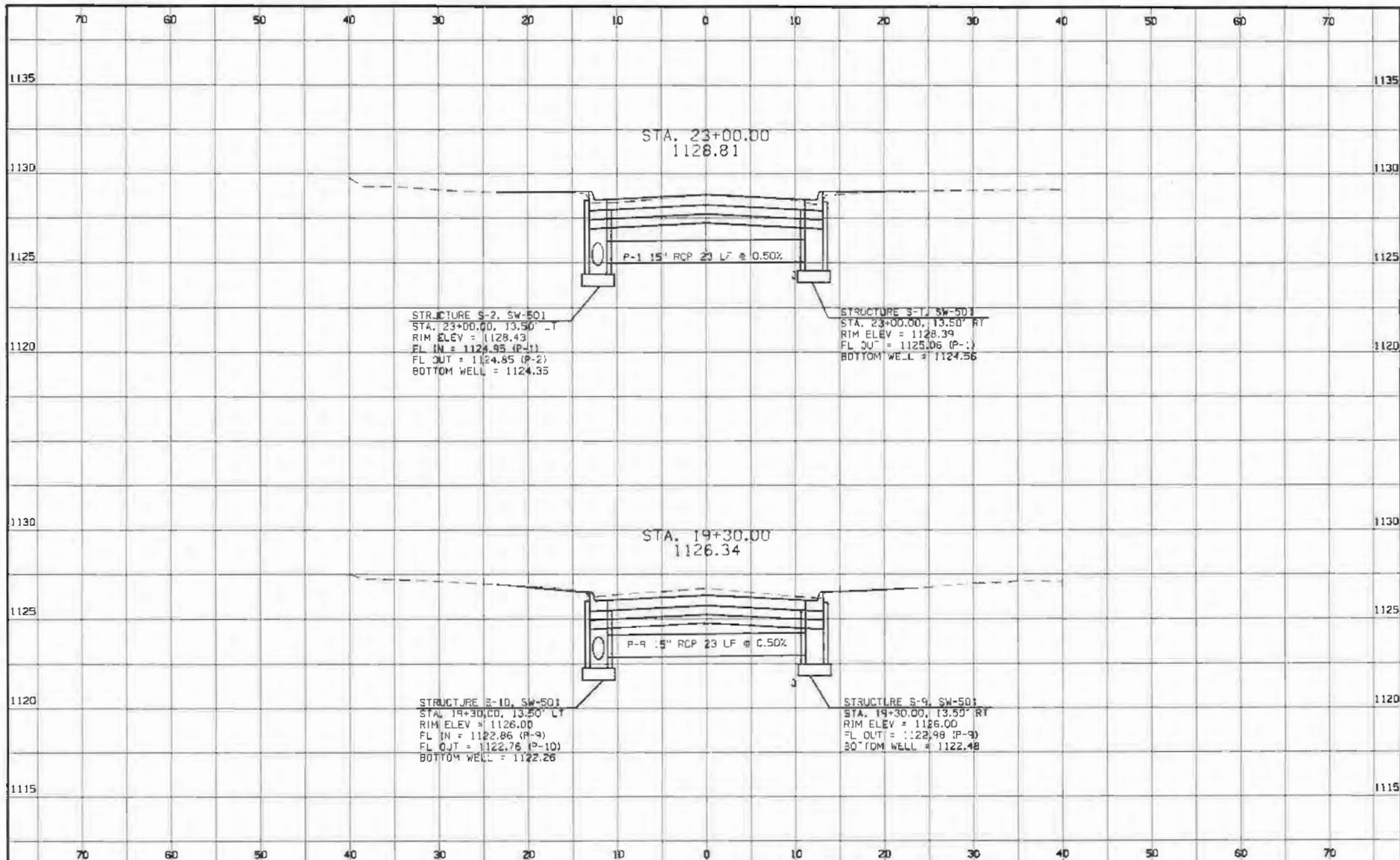
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**STORM SEWER  
 CROSS SECTIONS**

SCALE:  
**M.05**



PROJECT NO: 133003-01  
PROJECT OFF: C2/06/2015  
DATE: 1/20/16  
DRAWN BY: BOB PRUE  
CHECKED BY: BOB PRUE

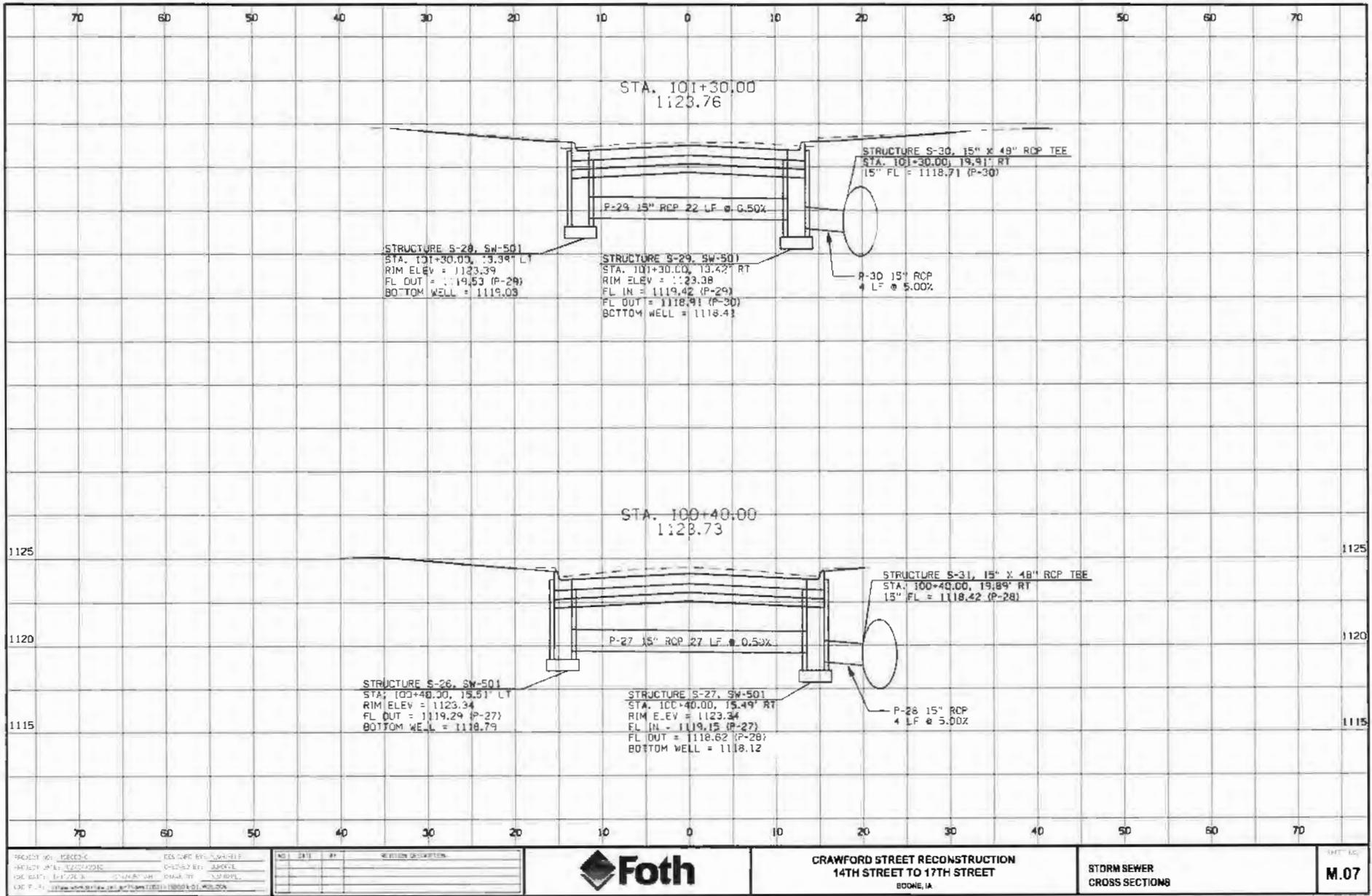
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**STORM SEWER  
CROSS SECTIONS**

HEET NO:  
**M.06**



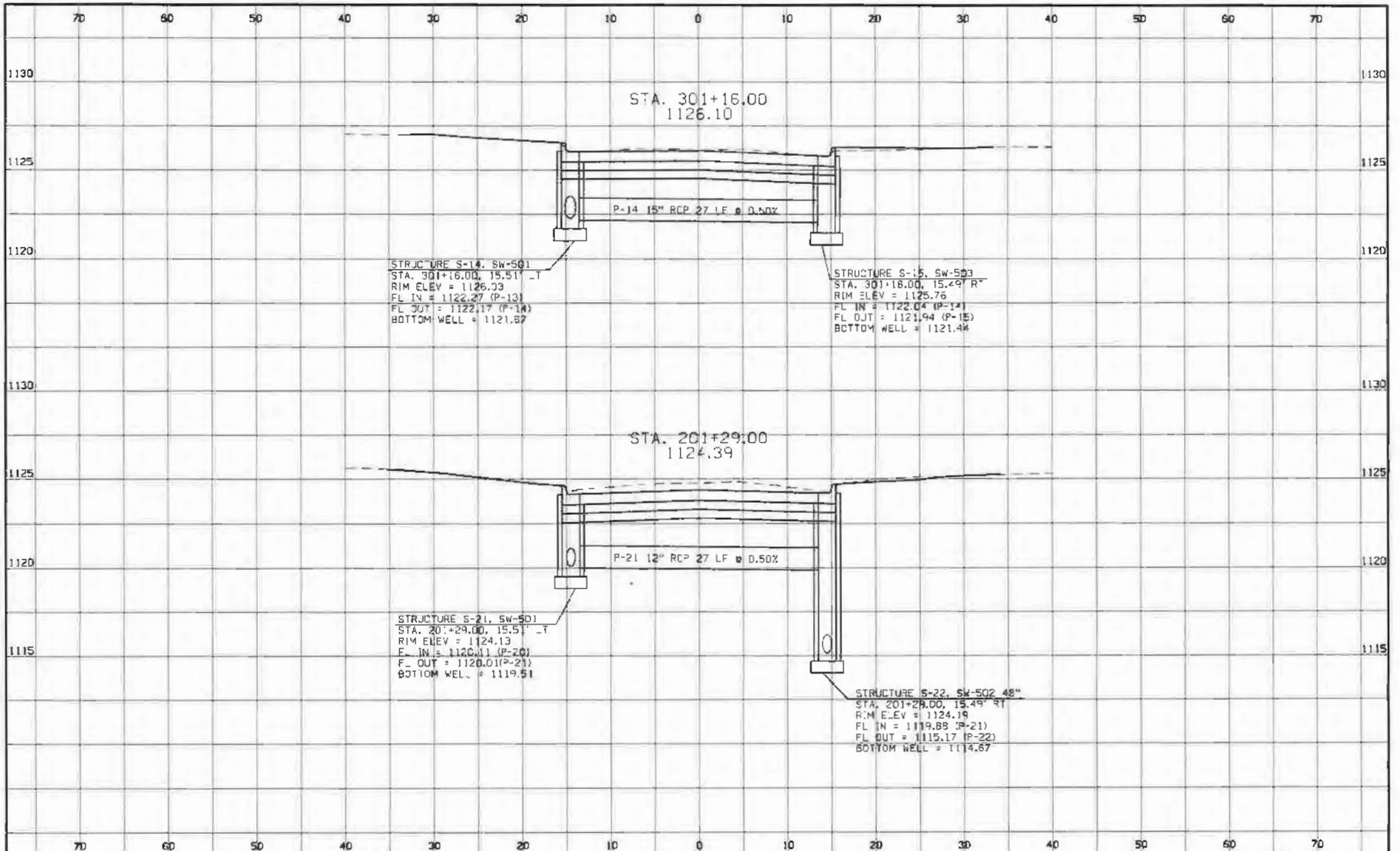
PROJECT NO. 1502010	DESIGNED BY: J. M. GRIFFIN	NO.	DATE	BY	REVISION DESCRIPTION
DRAWN BY: J. M. GRIFFIN	CHECKED BY: J. M. GRIFFIN				
DATE PLOTTED: 11/11/11	SCALE: AS SHOWN				



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**STORM SEWER CROSS SECTION**

SHEET NO. **M.07**



PROJECT NO. 14001051	DESIGNED BY: KIM/FILE
ISSUE DATE: 02/28/2018	CHECKED BY: JAMES
ISSUE DATE: 01/22/2018	ISSUED BY: JAMES
ISSUE DATE: 01/22/2018	DRAWN BY: KIM/FILE
FILE PATH: \\gis\proj\14001051\14001051.dwg	

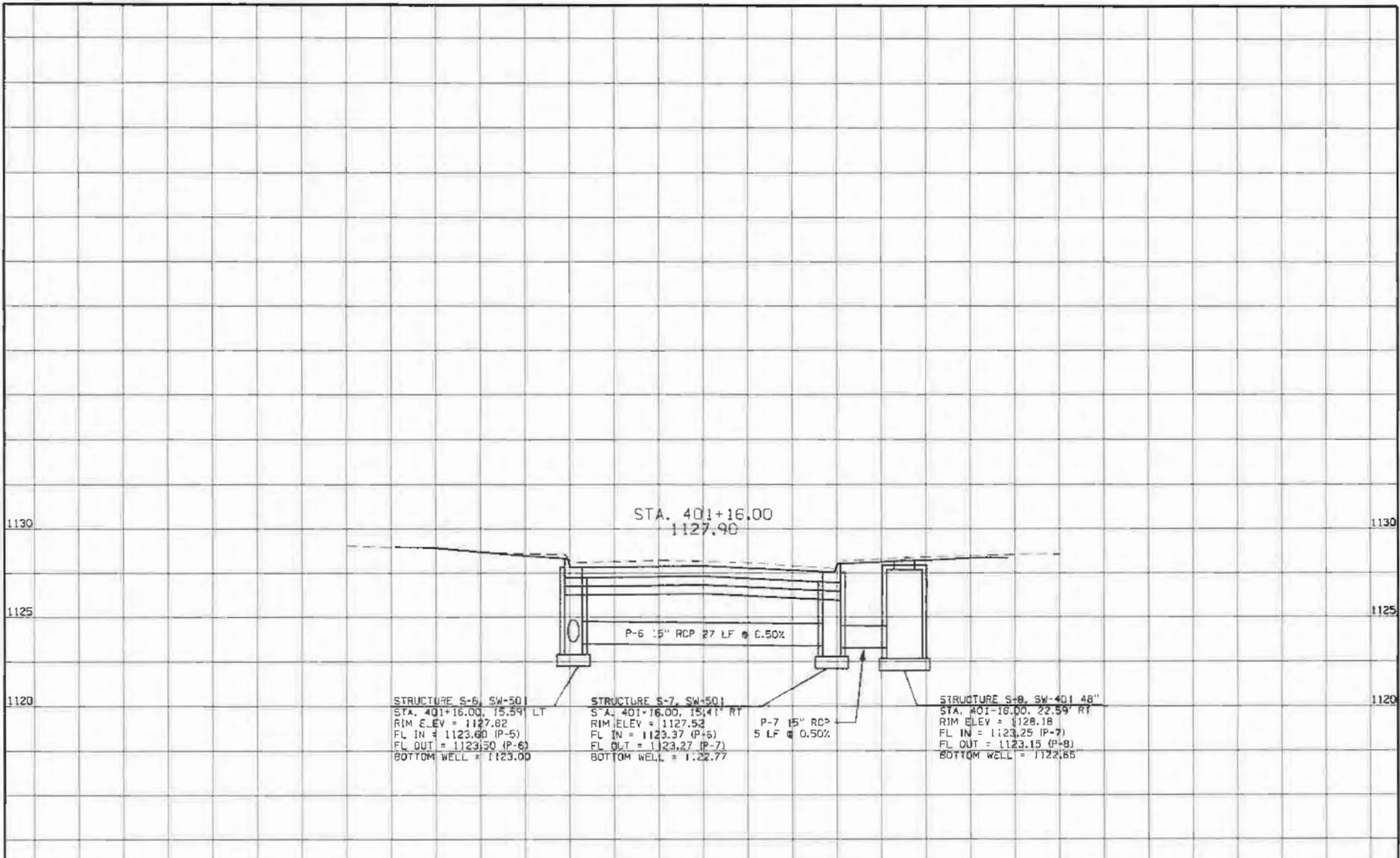
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
14TH STREET TO 17TH STREET  
BOONE, IA

**STORM SEWER**  
CROSS SECTIONS

SHEET NO.  
**M.08**



PROJECT NO: 1580016  
 PROJECT DATE: 02/21/2016  
 DATE PLOTTED: 02/22/16  
 CADD FILE: \\gms-cadd\projects\1580016\1580016.dwg

NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**STORM SEWER  
 CROSS SECTIONS**

SHEET NO.  
**M.09**

**SIDEWALK COMPLIANCE**  
See 5 Sheets

113-10  
10-13-11

Does not include curb  
Staking required by Contracting Authority per Article 8513.03 of the Standard Specifications.

Point to Point	Sidewalk Description	Distance*	Δ Elevation		Slope	Acceptable Constructed Range	Staking required on this quadrant?	Measured Slope	Initials	Remarks	VALUES USED TO DETERMINE DESIRED SLOPES		
			FT	IN							Point	Station	Offset
S0702	Ramp Existing Cross Slope	1.50	0.82	0.82	0.7%	0.5% to 5.0%					10+94.71	-39.63	1124.33
S0703	Sidewalk Running Slope	4.60	-0.64	-1.0%	-1.0%	0.5% to 5.0%					10+94.71	-35.71	1124.26
S0704	Sidewalk Running Slope	3.87	-0.87	-2.2%	-2.2%	0.5% to 5.0%					10+94.71	-35.74	1124.22
S0705	Sidewalk Running Slope	5.00	-0.87	-1.7%	-1.7%	0.5% to 5.0%					10+94.71	-35.74	1124.19
S0706	Sidewalk Running Slope	5.13	-1.10	-2.1%	-2.1%	0.5% to 5.0%					10+94.71	-35.74	1124.15
S0707	Landfill/Turning Space	5.00	-0.88	-1.8%	-1.8%	0.5% to 5.0%	Yes				10+94.71	-35.74	1124.11
S0708	Ramp Running Slope	31.88	-1.78	-0.5%	-0.5%	0.5% to 5.0%	Yes				10+94.71	-35.74	1124.07
S0709	Landfill/Turning Space	5.00	-1.47	-2.9%	-2.9%	0.5% to 5.0%					10+94.71	-35.74	1124.03
S0710	Landfill/Turning Space	10.11	-3.10	-3.0%	-3.0%	0.5% to 5.0%					10+94.71	-35.74	1123.99
S0711	Ramp Cross Slope	5.00	0.62	0.62	0.6%	0.5% to 5.0%					10+94.71	-35.74	1123.95
S0712	Ramp Cross Slope - No Yield Condition	10.00	0.34	0.34	0.6%	0.5% to 5.0%					10+94.71	-35.74	1123.91
S0713	Ramp Running Slope	31.00	0.63	0.63	0.6%	0.5% to 5.0%					10+94.71	-35.74	1123.87
S0714	Ramp Running Slope	5.00	0.87	1.4%	1.4%	0.5% to 5.0%					10+94.71	-35.74	1123.83
S0715	Ramp Running Slope	7.93	-1.43	-1.8%	-1.8%	0.5% to 5.0%					10+94.71	-35.74	1123.79
S0716	Ramp Running Slope	10.00	-1.49	-1.5%	-1.5%	0.5% to 5.0%					10+94.71	-35.74	1123.75
S0717	Ramp Running Slope	5.00	-0.82	-1.6%	-1.6%	0.5% to 5.0%					10+94.71	-35.74	1123.71
S0718	Ramp Running Slope	5.00	0.67	1.4%	1.4%	0.5% to 5.0%					10+94.71	-35.74	1123.67
S0719	Ramp Running Slope	10.00	0.45	0.5%	0.5%	0.5% to 5.0%					10+94.71	-35.74	1123.63
S0720	Ramp Running Slope	10.00	0.45	0.5%	0.5%	0.5% to 5.0%	Yes				10+94.71	-35.74	1123.59
S0721	Ramp Running Slope	5.00	0.64	0.64	0.6%	0.5% to 5.0%					10+94.71	-35.74	1123.55
S0722	Ramp Running Slope	5.00	0.42	0.42	0.4%	0.5% to 5.0%					10+94.71	-35.74	1123.51
S0723	Ramp Running Slope	7.80	0.34	0.34	0.4%	0.5% to 5.0%	Yes				10+94.71	-35.74	1123.47
S0724	Ramp Running Slope	7.80	0.34	0.34	0.4%	0.5% to 5.0%					10+94.71	-35.74	1123.43
S0725	Ramp Running Slope	7.80	0.34	0.34	0.4%	0.5% to 5.0%					10+94.71	-35.74	1123.39
S0726	Ramp Running Slope	7.80	0.34	0.34	0.4%	0.5% to 5.0%					10+94.71	-35.74	1123.35
S0727	Ramp Running Slope	7.80	0.34	0.34	0.4%	0.5% to 5.0%					10+94.71	-35.74	1123.31
S0728	Ramp Running Slope	5.00	-0.07	-1.4%	-1.4%	0.5% to 5.0%	Yes				10+94.71	-35.74	1123.27
S0729	Ramp Running Slope	5.00	0.82	0.82	0.8%	0.5% to 5.0%					10+94.71	-35.74	1123.23
S0730	Ramp Running Slope	5.00	-0.07	-1.4%	-1.4%	0.5% to 5.0%					10+94.71	-35.74	1123.19
S0731	Ramp Running Slope	5.00	-0.07	-1.4%	-1.4%	0.5% to 5.0%					10+94.71	-35.74	1123.15
S0732	Ramp Running Slope	5.00	-0.09	-1.8%	-1.8%	0.5% to 5.0%					10+94.71	-35.74	1123.11
S0733	Ramp Running Slope	5.00	-0.15	-3.0%	-3.0%	0.5% to 5.0%					10+94.71	-35.74	1123.07
S0734	Ramp Running Slope	5.00	-0.07	-1.4%	-1.4%	0.5% to 5.0%					10+94.71	-35.74	1123.03
S0735	Ramp Running Slope	10.00	-0.43	-2.9%	-2.9%	0.5% to 5.0%					10+94.71	-35.74	1122.99
S0736	Ramp Running Slope	10.00	-0.33	-3.0%	-3.0%	0.5% to 5.0%					10+94.71	-35.74	1122.95
S0737	Ramp Running Slope	10.00	-0.33	-3.0%	-3.0%	0.5% to 5.0%					10+94.71	-35.74	1122.91
S0738	Ramp Running Slope	5.00	-0.03	-0.6%	-0.6%	0.5% to 5.0%					10+94.71	-35.74	1122.87
S0739	Ramp Running Slope	5.00	0.65	6.5%	6.5%	0.5% to 5.0%					10+94.71	-35.74	1122.83
S0740	Ramp Running Slope	10.00	0.75	7.5%	7.5%	0.5% to 5.0%	Yes				10+94.71	-35.74	1122.79
S0741	Ramp Running Slope	5.00	0.83	8.3%	8.3%	0.5% to 5.0%					10+94.71	-35.74	1122.75
S0742	Ramp Running Slope	10.00	0.46	4.6%	4.6%	0.5% to 5.0%					10+94.71	-35.74	1122.71
S0743	Ramp Running Slope	10.00	0.75	7.5%	7.5%	0.5% to 5.0%					10+94.71	-35.74	1122.67
S0744	Ramp Running Slope	10.00	0.34	3.4%	3.4%	0.5% to 5.0%	Yes				10+94.71	-35.74	1122.63
S0745	Ramp Running Slope	5.00	0.83	8.3%	8.3%	0.5% to 5.0%					10+94.71	-35.74	1122.59
S0746	Ramp Running Slope	5.00	-0.05	-1.0%	-1.0%	0.5% to 5.0%	Yes				10+94.71	-35.74	1122.55
S0747	Ramp Running Slope	8.82	0.85	8.5%	8.5%	0.5% to 5.0%					10+94.71	-35.74	1122.51
S0748	Ramp Running Slope	4.23	0.00	0.0%	0.0%	0.5% to 5.0%	Yes				10+94.71	-35.74	1122.47
S0749	Ramp Running Slope	8.00	-0.05	-0.6%	-0.6%	0.5% to 5.0%					10+94.71	-35.74	1122.43
S0750	Ramp Running Slope	5.00	-0.05	-1.0%	-1.0%	0.5% to 5.0%					10+94.71	-35.74	1122.39
S0751	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.35
S0752	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.31
S0753	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.27
S0754	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.23
S0755	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.19
S0756	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.15
S0757	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.11
S0758	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.07
S0759	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1122.03
S0760	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.99
S0761	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.95
S0762	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.91
S0763	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.87
S0764	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.83
S0765	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.79
S0766	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.75
S0767	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.71
S0768	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.67
S0769	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.63
S0770	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.59
S0771	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.55
S0772	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.51
S0773	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.47
S0774	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.43
S0775	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.39
S0776	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.35
S0777	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.31
S0778	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.27
S0779	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.23
S0780	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.19
S0781	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.15
S0782	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.11
S0783	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.07
S0784	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1121.03
S0785	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1120.99
S0786	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1120.95
S0787	Ramp Running Slope	5.00	-0.06	-1.2%	-1.2%	0.5% to 5.0%					10+94.71	-35.74	1120.91
S0788	Ramp Running Slope	5.00	-0.06</										

**SIDEWALK COMPLIANCE**  
See 5 Sheets

\* Does not include curb  
① Staking required by Contracting Authority per Article 3511.03 of the Standard Specifications.

Point to Point	Sidewalk Designation	Distance*	Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
										Point	Station	Offset	Elevation
		FT	FT	%	Pos. or Neg.	①	%						
SW753	SW754	Ramp Running Slope	10.00	0.70	7.0%	0.5% to 8.3%				SW804	14+83.63	-38.50	1125.03
SW753	SW755	Crosswalk Cross Slope - Yield Condition	5.00	0.06	1.2%	0.0% to 2.0%				SW805	14+88.63	-38.50	1124.95
SW754	SW756	Ramp Cross Slope	5.00	0.03	0.6%	0.1% to 2.0%				SW806	15+01.02	-38.50	1123.96
SW754	SW768	Ramp Running Slope	9.94	0.30	3.0%	0.5% to 8.3%				SW807	15+01.02	-32.50	1124.94
SW755	SW756	Ramp Running Slope	10.00	0.67	6.7%	0.5% to 8.3%				SW808	14+88.63	-33.50	1124.88
SW755	SW757	Ramp Running Slope	9.94	0.10	1.0%	0.5% to 8.3%				SW809	14+83.63	-33.50	1124.96
SW757	SW758	Ramp Running Slope	10.10	-0.26	-2.6%	0.5% to 8.3%				SW810	14+88.63	-25.00	1124.77
SW757	SW762	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%				SW811	14+88.63	-15.00	1124.62
SW757	SW768	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%				SW812	10+83.63	-13.67	1124.53
SW758	SW759	Ramp Running Slope	9.90	-0.50	-5.1%	0.5% to 8.3%				SW813	14+83.63	-15.00	1124.50
SW758	SW761	Ramp Cross Slope	5.00	-0.01	-0.4%	0.1% to 2.0%				SW814	14+83.63	-25.00	1124.85
SW759	SW764	Crosswalk Cross Slope - No Yield Condition	5.00	-0.02	-0.4%	0.0% to 5.0%				SW815	14+70.31	-32.50	1125.28
SW760	SW761	Ramp Running Slope	9.90	0.49	4.9%	0.5% to 8.3%				SW816	15+32.02	-33.50	1124.11
SW761	SW762	Ramp Running Slope	10.10	0.36	3.6%	0.5% to 8.3%				SW817	15+02.02	-33.50	1124.73
SW762	SW763	Sidewalk Running Slope	5.11	0.18	3.5%	0.5% to 5.0%				SW818	15+32.02	-38.50	1124.83
SW762	SW765	Landing/Turning Space	5.00	0.00	1.0%	0.1% to 2.0%	Yes			SW819	15+42.02	-24.50	1124.78
SW763	SW764	Sidewalk Cross Slope	3.00	0.05	1.5%	0.5% to 2.0%				SW820	15+45.61	-38.50	1125.05
SW763	SW768	Sidewalk Running Slope	8.00	-0.18	-2.3%	0.5% to 5.0%				SW821	15+45.61	-46.50	1125.00
SW764	SW765	Sidewalk Running Slope	5.03	-0.15	-3.0%	0.5% to 5.0%				SW822	15+46.00	-51.50	1125.01
SW764	SW770	Sidewalk Running Slope	8.00	-0.08	-1.0%	0.5% to 5.0%				SW823	15+49.75	-51.50	1125.00
SW765	SW766	Sidewalk Running Slope	5.01	0.12	2.4%	0.5% to 5.0%				SW824	15+49.75	-46.50	1125.99
SW765	SW768	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes			SW825	15+49.61	-38.50	1125.12
SW766	SW767	Match Existing Cross Slope	3.42	-0.08	-2.3%	Match Existing				SW826	15+55.61	-38.50	1125.17
SW767	SW768	Sidewalk Running Slope	5.15	-0.12	-2.3%	0.5% to 5.0%				SW827	15+55.61	-34.88	1125.89
SW769	SW770	Match Existing Cross Slope	3.03	0.15	5.0%	Match Existing				SW828	15+50.61	-33.50	1125.04
SW801	SW802	Sidewalk Cross Slope	5.13	0.04	0.8%	0.5% to 2.0%				SW829	15+50.61	-24.55	1124.81
SW801	SW815	Sidewalk Running Slope	11.00	0.03	0.3%	0.5% to 5.0%				SW830	15+50.61	-14.55	1124.26
SW801	SW803	Match Existing Cross Slope	11.00	0.06	0.5%	Match Existing				SW831	15+50.61	-11.55	1124.32
SW801	SW804	Ramp Running Slope	4.32	-0.11	-2.5%	0.5% to 8.3%	Yes			SW832	15+45.61	-14.55	1124.24
SW801	SW815	Sidewalk Cross Slope	5.03	-0.07	-1.4%	0.5% to 2.0%				SW833	15+45.61	-24.55	1124.70
SW804	SW805	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes			SW834	15+45.61	-33.50	1124.97
SW804	SW809	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%				SW835	15+45.61	14.66	1124.74
SW805	SW806	Ramp Running Slope	12.40	-0.99	-8.0%	0.5% to 8.3%	Yes			SW836	15+45.61	24.66	1124.69
SW805	SW809	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%				SW837	15+50.61	11.57	1124.22
SW806	SW807	Crosswalk Cross Slope - Yield Condition	5.00	0.08	1.6%	0.0% to 2.0%				SW838	15+50.61	14.66	1124.26
SW807	SW808	Ramp Running Slope	12.40	0.04	0.3%	0.5% to 8.3%				SW839	15+50.61	24.66	1124.96
SW808	SW809	Landing/Turning Space	5.00	0.08	1.6%	0.1% to 2.0%	Yes			SW840	15+50.61	33.61	1125.16
SW808	SW818	Ramp Running Slope	8.50	-0.11	-1.3%	0.5% to 8.3%				SW841	15+55.61	34.61	1125.21
SW809	SW814	Ramp Running Slope	8.50	-0.11	-1.3%	0.5% to 8.3%				SW842	15+61.61	34.93	1125.45
SW809	SW815	Ramp Running Slope	4.32	0.32	7.4%	0.5% to 8.3%	Yes			SW843	15+61.61	38.53	1125.52
SW810	SW811	Ramp Running Slope	10.00	-0.15	-1.5%	0.5% to 8.3%				SW844	15+55.61	38.63	1125.27
SW810	SW814	Ramp Cross Slope	5.00	0.08	1.6%	0.1% to 2.0%	Yes			SW845	15+50.61	38.61	1125.24
SW811	SW813	Ramp Cross Slope	5.00	0.08	1.6%	0.1% to 2.0%	Yes			SW846	15+50.03	41.61	1125.52
SW812	SW813	Sidewalk Running Slope	1.33	-0.03	-2.3%	0.5% to 5.0%				SW847	15+46.35	43.63	1125.37
SW813	SW814	Ramp Running Slope	10.00	0.35	3.5%	0.5% to 8.3%				SW848	15+46.61	38.61	1125.18
SW816	SW817	Ramp Running Slope	10.00	0.62	6.2%	0.5% to 8.3%				SW849	15+42.32	38.63	1124.92
SW816	SW819	Crosswalk Cross Slope - Yield Condition	5.00	-0.06	-1.6%	0.0% to 2.0%				SW850	15+32.32	38.61	1124.37
SW817	SW819	Ramp Cross Slope	5.00	0.05	1.0%	0.1% to 2.0%				SW851	15+42.32	33.61	1124.87
SW817	SW834	Ramp Running Slope	3.60	0.24	6.7%	0.5% to 8.3%				SW852	15+45.61	33.63	1125.09
SW818	SW819	Ramp Running Slope	10.00	0.75	7.5%	0.5% to 8.3%	Yes			SW853	15+01.32	33.63	1124.32
SW819	SW820	Ramp Running Slope	3.50	0.27	7.5%	0.5% to 8.3%	Yes			SW854	14+01.32	33.63	1124.91
SW820	SW821	Sidewalk Running Slope	8.00	-0.05	-0.6%	0.5% to 5.0%				SW855	15+01.32	38.61	1124.25
SW820	SW825	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%				SW856	14+01.32	38.61	1124.95
SW820	SW834	Landing/Turning Space	5.00	-0.06	-1.6%	0.1% to 2.0%	Yes			SW857	14+01.32	38.61	1124.95
SW821	SW822	Sidewalk Running Slope	5.02	0.01	0.2%	0.5% to 5.0%				SW858	14+88.63	38.61	1125.14
SW821	SW824	Sidewalk Cross Slope	4.14	0.09	2.2%	0.5% to 2.0%				SW859	14+83.63	38.61	1125.23
SW822	SW823	Match Existing Cross Slope	3.67	0.07	1.9%	Match Existing				SW860	14+78.63	34.87	1125.16
SW823	SW824	Sidewalk Running Slope	5.00	0.03	0.6%	0.5% to 5.0%				SW861	14+83.63	33.61	1125.14
SW824	SW825	Sidewalk Running Slope	8.00	0.03	0.4%	0.5% to 5.0%				SW862	14+83.63	24.88	1125.03
SW825	SW826	Sidewalk Running Slope	5.00	0.05	1.0%	0.5% to 5.0%				SW863	14+83.63	14.88	1124.56
SW825	SW828	Landing/Turning Space	5.00	-0.06	-1.6%	0.1% to 2.0%	Yes			SW864	14+83.63	13.63	1124.53
SW826	SW827	Match Existing Cross Slope	3.37	-0.06	-1.8%	Match Existing				SW865	14+88.63	14.88	1124.60
SW827	SW828	Sidewalk Running Slope	5.19	-0.05	-1.0%	0.5% to 5.0%				SW866	14+88.63	20.88	1124.94
SW828	SW829	Ramp Running Slope	8.95	-0.23	-2.6%	0.5% to 8.3%				SW867	14+88.63	33.61	1125.06
SW828	SW834	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%				SW868	14+47.47	-34.49	1126.75
SW829	SW830	Ramp Running Slope	10.00	-0.55	-5.5%	0.5% to 8.3%				SW869	14+47.47	-38.76	1126.66
SW829	SW833	Ramp Cross Slope	5.00	-0.01	-0.4%	0.1% to 2.0%				SW870	14+47.47	-38.74	1126.58
SW830	SW831	Sidewalk Running Slope	3.00	-0.04	-1.3%	0.5% to 5.0%				SW871	14+47.47	-38.74	1126.51
SW830	SW832	Ramp Cross Slope	5.00	-0.02	-0.4%	0.1% to 2.0%				SW872	14+47.47	-38.74	1126.51
SW832	SW833	Ramp Running Slope	10.00	0.55	5.5%	0.5% to 8.3%				SW873	14+47.47	-38.74	1126.60
SW833	SW834	Ramp Running Slope	8.95	0.18	2.0%	0.5% to 8.3%				SW874	14+47.47	-33.74	1126.33

**SIDEWALK COMPLIANCE**  
Sec 5 Sheets

Does not include curb stationing required by Contracting Authority per Article 2531.03 of the Standard Specifications.

Point to Point	Sidewalk Designation	Distance & Elevation		Slope	Acceptable Constructed Range	Staking Required on this Quarter	Measured Slope	Dist. Lkts.	Remarks	VALUES USED TO DETERMINE DESIGNED SLOPES		
		ft	ft							Point	Station	Offset
S0835	Ramp Running Slope	10.00	0.65	6.5%	0.5% to 8.3%					18+57.47	-33.24	1126.48
S0836	Ramp Cross Slope	5.00	0.02	0.4%	0.1% to 2.0%					18+57.47	-26.91	1126.38
S0837	Ramp Running Slope	5.00	0.97	1.4%	0.1% to 2.0%					18+57.47	-16.91	1126.95
S0838	Ramp Running Slope	9.00	0.20	2.2%	0.1% to 8.3%					18+57.47	-14.91	1126.92
S0839	Sidewalk Running Slope	1.18	0.04	3.0%	0.1% to 5.0%					18+57.47	-14.91	1126.98
S0840	Ramp Running Slope	10.00	0.70	2.2%	0.1% to 8.3%					18+57.47	-14.91	1126.98
S0841	Ramp Running Slope	10.00	0.70	2.2%	0.1% to 8.3%					18+57.47	-14.91	1126.98
S0842	Sidewalk Running Slope	5.16	0.05	1.0%	0.1% to 5.0%					19+01.08	-33.74	1126.53
S0843	Match Existing									19+01.08	-33.74	1126.53
S0844	Landing/Turning Space	5.00	0.03	3.0%	0.1% to 2.0%		Yes			19+11.08	-33.74	1126.72
S0845	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%					19+11.08	-33.74	1126.97
S0846	Sidewalk Running Slope	8.00	0.74	3.0%	0.1% to 8.3%					19+11.08	-33.74	1126.97
S0847	Match Existing	3.00	0.07	1.3%	0.1% to 5.0%					19+11.08	-33.74	1126.97
S0848	Sidewalk Running Slope	8.00	-0.25	-3.1%	0.1% to 5.0%					19+11.08	-33.74	1126.97
S0849	Sidewalk Running Slope	5.00	-0.03	-0.6%	0.1% to 5.0%					19+15.00	-42.79	1127.09
S0850	Ramp Running Slope	5.00	0.28	5.0%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0851	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%		Yes			19+15.00	-42.79	1127.18
S0852	Match Existing	5.00	-0.11	-2.2%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0853	Ramp Running Slope	2.00	-0.13	-6.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0854	Ramp Running Slope	3.30	-0.24	-7.3%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0855	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0856	Ramp Running Slope	10.00	-0.75	-7.5%	0.1% to 8.3%		Yes			19+15.00	-42.79	1127.18
S0857	Ramp Running Slope	10.00	-0.45	-4.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0858	Crosswalk Cross Slope - Yield Condition	3.00	0.06	2.0%	0.1% to 5.0%					19+15.00	-42.79	1127.18
S0859	Ramp Running Slope	3.30	0.23	6.7%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0860	Ramp Running Slope	3.30	0.23	6.7%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0861	Ramp Running Slope	10.00	0.20	5.0%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0862	Crosswalk Cross Slope - Yield Condition	5.00	-0.07	-1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0863	Ramp Cross Slope	5.00	0.15	3.0%	0.1% to 5.0%					19+15.00	-42.79	1127.18
S0864	Ramp Running Slope	10.00	0.70	7.0%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0865	Ramp Running Slope	2.70	0.19	7.0%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0866	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0867	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0868	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%		Yes			19+15.00	-42.79	1127.18
S0869	Match Existing	3.30	-0.07	-1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0870	Match Existing	3.30	-0.05	-1.5%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0871	Sidewalk Running Slope	5.20	-0.12	-2.3%	0.1% to 5.0%					19+15.00	-42.79	1127.18
S0872	Ramp Running Slope	8.70	-0.13	-1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0873	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0874	Landing/Turning Space	5.00	-0.08	-1.6%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0875	Ramp Cross Slope	5.00	-0.07	-1.4%	0.1% to 2.0%		Yes			19+15.00	-42.79	1127.18
S0876	Sidewalk Running Slope	3.20	-0.03	-0.9%	0.1% to 5.0%					19+15.00	-42.79	1127.18
S0877	Ramp Running Slope	5.00	-0.07	-1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0878	Ramp Running Slope	10.00	0.45	4.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0879	Ramp Running Slope	8.70	0.12	1.4%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0880	Match Existing	4.30	-0.00	-2.1%	0.1% to 5.0%					19+15.00	-42.79	1127.18
S0881	Sidewalk Running Slope	5.10	-0.22	-4.3%	0.1% to 5.0%		Yes			19+15.00	-42.79	1127.18
S0882	Sidewalk Running Slope	5.00	-0.08	-1.6%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0883	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0884	Landing/Turning Space	5.00	-0.05	-1.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0885	Landing/Turning Space	5.00	-0.05	-1.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0886	Landing/Turning Space	5.00	-0.05	-1.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0887	Ramp Running Slope	10.00	-0.42	-4.2%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0888	Ramp Running Slope	5.00	-0.05	-1.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0889	Crosswalk Cross Slope - Yield Condition	5.00	0.02	0.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0890	Ramp Running Slope	10.00	0.15	1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0891	Ramp Running Slope	10.00	0.15	1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0892	Ramp Running Slope	10.00	-0.16	-1.6%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0893	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0894	Landing/Turning Space	5.00	-0.15	-3.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0895	Ramp Running Slope	10.00	-0.15	-1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0896	Ramp Running Slope	10.00	-0.15	-1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0897	Ramp Running Slope	10.00	-0.15	-1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0898	Ramp Running Slope	10.00	-0.15	-1.5%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0899	Landing/Turning Space	5.00	0.05	1.0%	0.1% to 2.0%					19+15.00	-42.79	1127.18
S0900	Ramp Running Slope	3.30	0.06	2.0%	0.1% to 5.0%		Yes			19+15.00	-42.79	1127.18
S0901	Sidewalk Running Slope	10.00	0.17	1.7%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0902	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0903	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0904	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0905	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0906	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0907	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0908	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0909	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0910	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0911	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0912	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0913	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18
S0914	Ramp Running Slope	10.00	0.18	1.8%	0.1% to 8.3%					19+15.00	-42.79	1127.18



**SIDEWALK COMPLIANCE**  
Sec 5 Sheets

Does not include cut  
Starting measured by Contracting Authority per Article 1531.03 of the Standards Specifications.

Point to Point	Sidewalk Designation	Distance		a Elevation	Slope	Acceptable Comp. Ranges	Staking Required on this quarter	Measured Slope	Initials	Remarks	VALUES USED TO DETERMINE DECIDED SLOPES		
		FT	IN								Point	Station	Offset
50816	Ramp Running Slope	10.00	0.71	7.15	0.58	0.55 to 8.3%					50816	22923.04	1128.38
50817	Crosswalk Cross Slope - Yield Condition	5.00	-0.64	-0.64	0.00	0.00 to 2.0%					50817	22923.04	-33.50
50818	Ramp Cross Slope	5.00	0.65	1.0%	0.15	0.15 to 2.0%					50818	22972.17	1127.83
50819	Ramp Running Slope	2.48	0.15	7.4%	1.4%	0.55 to 8.3%	Yes				50819	22981.17	1128.53
50820	Landing/Turning Slope	5.00	0.07	1.4%	1.4%	0.15 to 2.0%					50820	22972.17	1127.76
50821	Ramp Running Slope	5.00	0.07	1.4%	1.4%	0.15 to 2.0%					50821	22972.17	1127.76
50822	Ramp Running Slope	5.00	-0.30	-1.3%	0.15	0.15 to 8.3%					50822	22980.10	1128.07
50823	Ramp Running Slope	10.00	0.80	8.0%	8.0%	0.55 to 8.3%	Yes				50823	22986.43	1128.64
50824	Ramp Running Slope	5.48	0.27	7.0%	7.0%	0.55 to 8.3%	Yes				50824	22986.43	1128.75
50825	Ramp Running Slope	4.00	0.65	1.2%	1.2%	0.55 to 5.0%					50825	22996.27	1128.85
50826	Landing/Turning Slope	5.00	0.09	1.3%	1.3%	0.15 to 2.0%	Yes				50826	22996.27	1128.96
50827	Landing/Turning Slope	5.00	0.09	1.3%	1.3%	0.15 to 2.0%	Yes				50827	22996.27	1128.96
50828	Sidewalk Running Slope	5.00	-0.06	-1.2%	0.55	0.55 to 5.0%					50828	22996.10	1129.17
50829	Sidewalk Running Slope	5.00	-0.08	-1.6%	0.55	0.55 to 5.0%					50829	22996.10	1129.15
50830	Landing/Turning Slope	5.00	-0.08	-2.1%	Match Existing	0.15 to 2.0%	Yes				50830	22991.10	1128.90
50831	Sidewalk Running Slope	4.00	-0.11	-2.8%	0.55	0.55 to 5.0%					50831	22991.10	1128.90
50832	Ramp Running Slope	10.00	-0.60	-6.0%	0.55	0.55 to 8.3%					50832	22986.10	1128.98
50833	Ramp Running Slope	5.00	-0.05	-1.0%	0.55	0.55 to 2.0%					50833	22986.10	1128.32
50834	Sidewalk Running Slope	5.00	-0.05	-1.0%	0.55	0.55 to 2.0%					50834	22986.10	1128.32
50835	Ramp Cross Slope	5.00	-0.03	-0.6%	0.15	0.15 to 2.0%	Yes				50835	22986.10	1128.62
50836	Ramp Cross Slope	5.00	-0.03	-0.6%	0.15	0.15 to 2.0%					50836	22986.10	1128.62
50837	Ramp Running Slope	10.00	0.58	5.8%	0.58	0.55 to 8.3%					50837	22986.10	1128.67
50838	Ramp Running Slope	10.00	0.58	5.8%	0.58	0.55 to 8.3%					50838	22986.10	1128.67
50839	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50839	22991.10	1128.60
50840	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50840	22991.10	1128.60
50841	Ramp Running Slope	5.00	0.02	0.4%	0.55	0.55 to 2.0%					50841	22991.10	1128.60
50842	Ramp Running Slope	5.00	0.02	0.4%	0.55	0.55 to 2.0%					50842	22991.10	1128.60
50843	Ramp Running Slope	5.00	0.02	0.4%	0.55	0.55 to 2.0%					50843	22991.10	1128.60
50844	Ramp Running Slope	5.00	0.02	0.4%	0.55	0.55 to 2.0%					50844	22991.10	1128.60
50845	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50845	22991.10	1128.60
50846	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50846	22991.10	1128.60
50847	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50847	22991.10	1128.60
50848	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50848	22991.10	1128.60
50849	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50849	22991.10	1128.60
50850	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50850	22991.10	1128.60
50851	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50851	22991.10	1128.60
50852	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50852	22991.10	1128.60
50853	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50853	22991.10	1128.60
50854	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50854	22991.10	1128.60
50855	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50855	22991.10	1128.60
50856	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50856	22991.10	1128.60
50857	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50857	22991.10	1128.60
50858	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50858	22991.10	1128.60
50859	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50859	22991.10	1128.60
50860	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50860	22991.10	1128.60
50861	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50861	22991.10	1128.60
50862	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50862	22991.10	1128.60
50863	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50863	22991.10	1128.60
50864	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50864	22991.10	1128.60
50865	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50865	22991.10	1128.60
50866	Ramp Running Slope	5.00	-0.03	-0.6%	0.55	0.55 to 2.0%					50866	22991.10	1128.60

SW.04

**Foth**

CRAFTED STREET RECONSTRUCTION  
14TH STREET TO 17TH STREET  
BOONE, IA

SUBJECT TO CHANGE  
PEDESTRIAN RAMP  
STAKING, GEOMETRICS, AND COMPLIANCE

SHEET NO.



**SIDEWALK COMPLIANCE**  
See 5 Sheets

\* Does not include curb  
① Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Point to Point	Sidewalk Designation	Distance <sup>a</sup>	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
										Point	Station	Offset	Elevation
		FT	FT	%	Pos. or Neg.		%						
SW1052	SW1053	Ramp Running Slope	3.30	0.21	6.4%	0.5% to 8.3%							
SW1054	SW1055	Ramp Running Slope	10.00	0.51	5.1%	0.5% to 8.3%							
SW1054	SW1056	Crosswalk Cross Slope - Yield Condition	5.00	-0.06	-1.2%	0.0% to 2.0%							
SW1055	SW1057	Ramp Cross Slope	5.00	0.03	0.6%	0.1% to 2.0%							
SW1055	SW1068	Ramp Running Slope	3.88	0.12	3.2%	0.5% to 8.3%							
SW1056	SW1057	Ramp Running Slope	10.00	0.60	6.0%	0.5% to 8.3%							
SW1057	SW1058	Ramp Running Slope	3.80	0.14	3.7%	0.5% to 8.3%							
SW1058	SW1059	Landing/Turning Space	5.00	0.07	1.4%	0.1% to 2.0%							
SW1058	SW1068	Landing/Turning Space	5.00	-0.05	-1.0%	0.1% to 2.0%							
SW1059	SW1060	Sidewalk Running Slope	5.00	-0.05	-1.0%	0.5% to 5.0%							
SW1059	SW1062	Landing/Turning Space	5.00	-0.05	-1.0%	0.1% to 2.0%							
SW1060	SW1061	Match Existing Cross Slope	3.80	0.03	0.8%	Match Existing							
SW1061	SW1062	Sidewalk Running Slope	5.10	-0.03	-0.6%	0.5% to 5.0%							
SW1062	SW1063	Ramp Running Slope	9.00	-0.17	-1.9%	0.5% to 8.3%							
SW1062	SW1068	Landing/Turning Space	5.00	-0.07	-1.4%	0.1% to 2.0%							
SW1063	SW1064	Ramp Running Slope	10.00	-0.51	-5.1%	0.5% to 8.3%							
SW1063	SW1067	Ramp Cross Slope	5.00	-0.02	-0.4%	0.1% to 2.0%							
SW1064	SW1065	Sidewalk Running Slope	1.80	-0.04	-2.0%	0.5% to 5.0%							
SW1064	SW1066	Ramp Cross Slope	5.00	0.00	0.0%	0.1% to 2.0%							
SW1066	SW1067	Ramp Running Slope	10.00	0.49	4.9%	0.5% to 8.3%							
SW1067	SW1068	Ramp Running Slope	9.00	0.12	1.3%	0.5% to 8.3%							

PROJECT NO: 1802-01  
 PROJECT DATE: 10/04/2018  
 CALDATE: 10/05/18 11:40:43 AM  
 CAD FILE: \\pva-jan001\pva-jan001\1802-01.dwg

DESIGNED BY: MURPHY  
 DESIGNED BY: JARVIS  
 DRAWN BY: MURPHY

NO	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**SUBJECT TO CHANGE**  
 PEDESTRIAN RAMP  
 STAKING, GEOMETRICS, AND COMPLIANCE

SHEET NO: **SW.06**

10+00

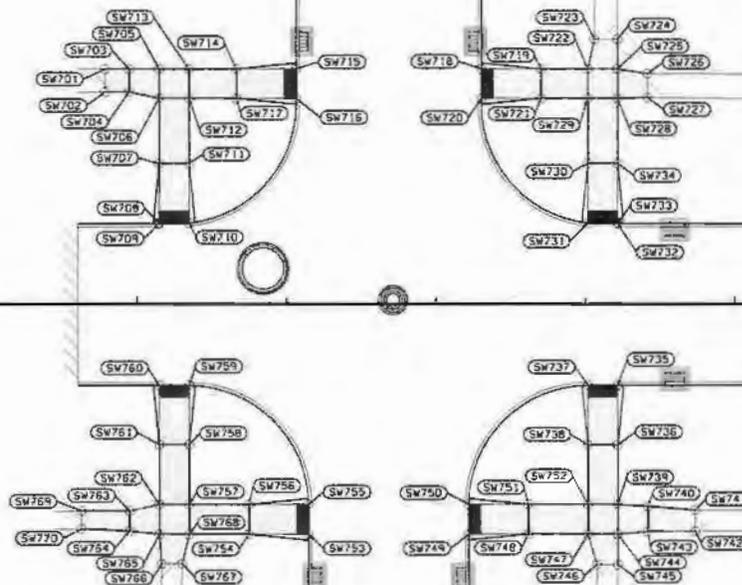
11+00

14TH STREET

12+00

13+00

POINTS: 10-00, 00



NOTES:  
 ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.  
 CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN THOSE SHOWN.  
 REFER TO SHEET SW.01 FOR POINT LOCATION, ELEVATION, AND OTHER INFORMATION.

PROJECT NO: 150003-C	DESIGNED BY: A. WHEPPEL
PROJECT DATE: 02/24/2016	CHECKED BY: J. ROCKE
CAD DATE: 11/22/15	DATE PLOTTED: 03/08/16
CAD FILE: 150003-C.dwg	PROJECT: 150003-C

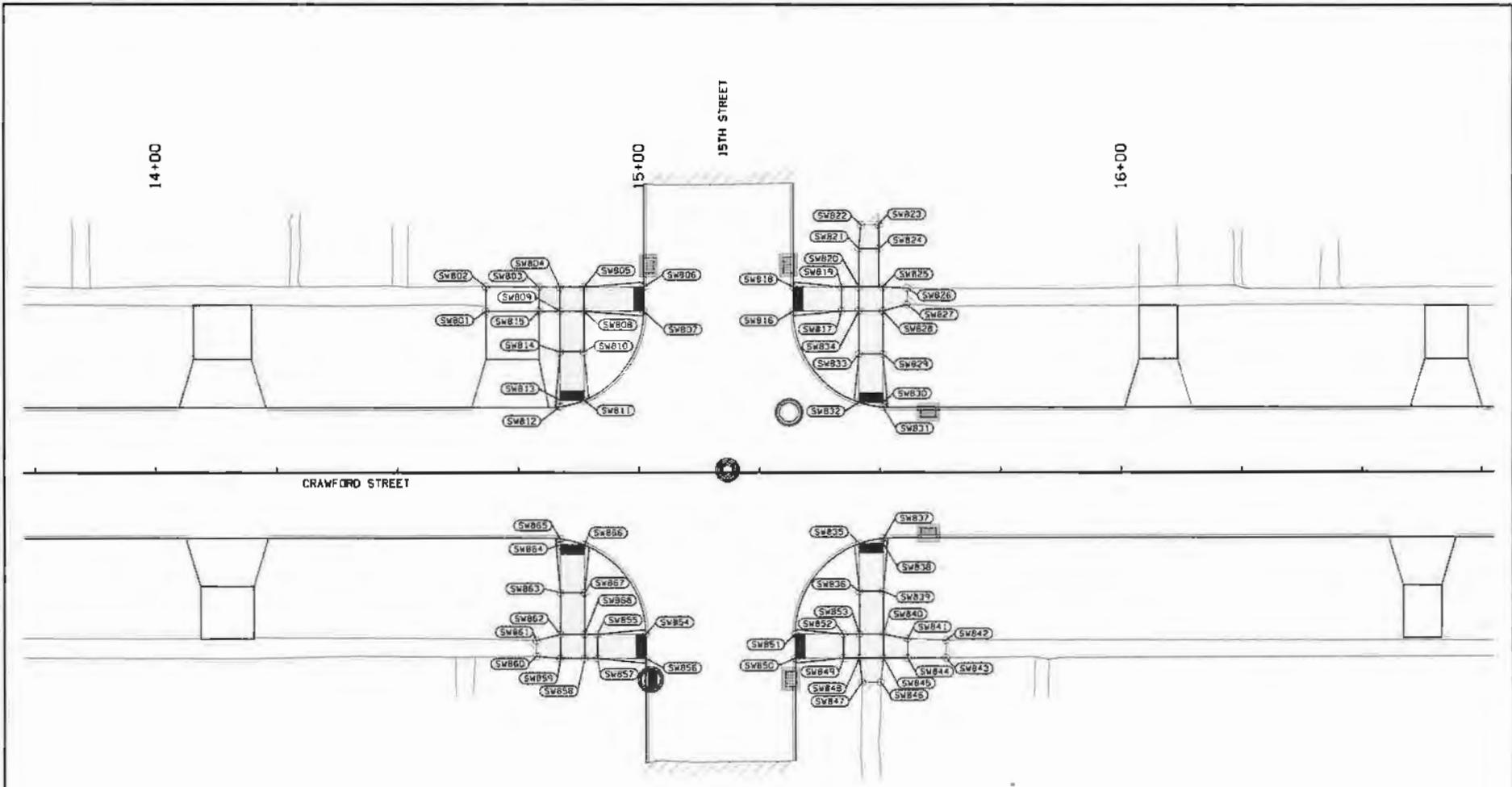
NO.	DATE	BY	REVISION DESCRIPTION



CRAWFORD STREET RECONSTRUCTION  
 14TH STREET TO 17TH STREET  
 BOONE, IA

CRAWFORD STREET  
 PEDESTRIAN RAMP STAKING

SW.07



NOTES:  
 ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.  
 CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN THOSE SHOWN.  
 REFER TO SHEET SW.01 FOR POINT LOCATION, ELEVATION, AND OTHER INFORMATION.

PROJECT NO. 150000-01	DESIGNED BY SW-BP-E
PROJECT DATE 3/20/2016	CHECKED BY J-BC
DWG DATE 7/27/16	ISSUED BY W-AB-E
DWG TITLE Crawford Street Reconstruction	PROJECT NO. 150000-01

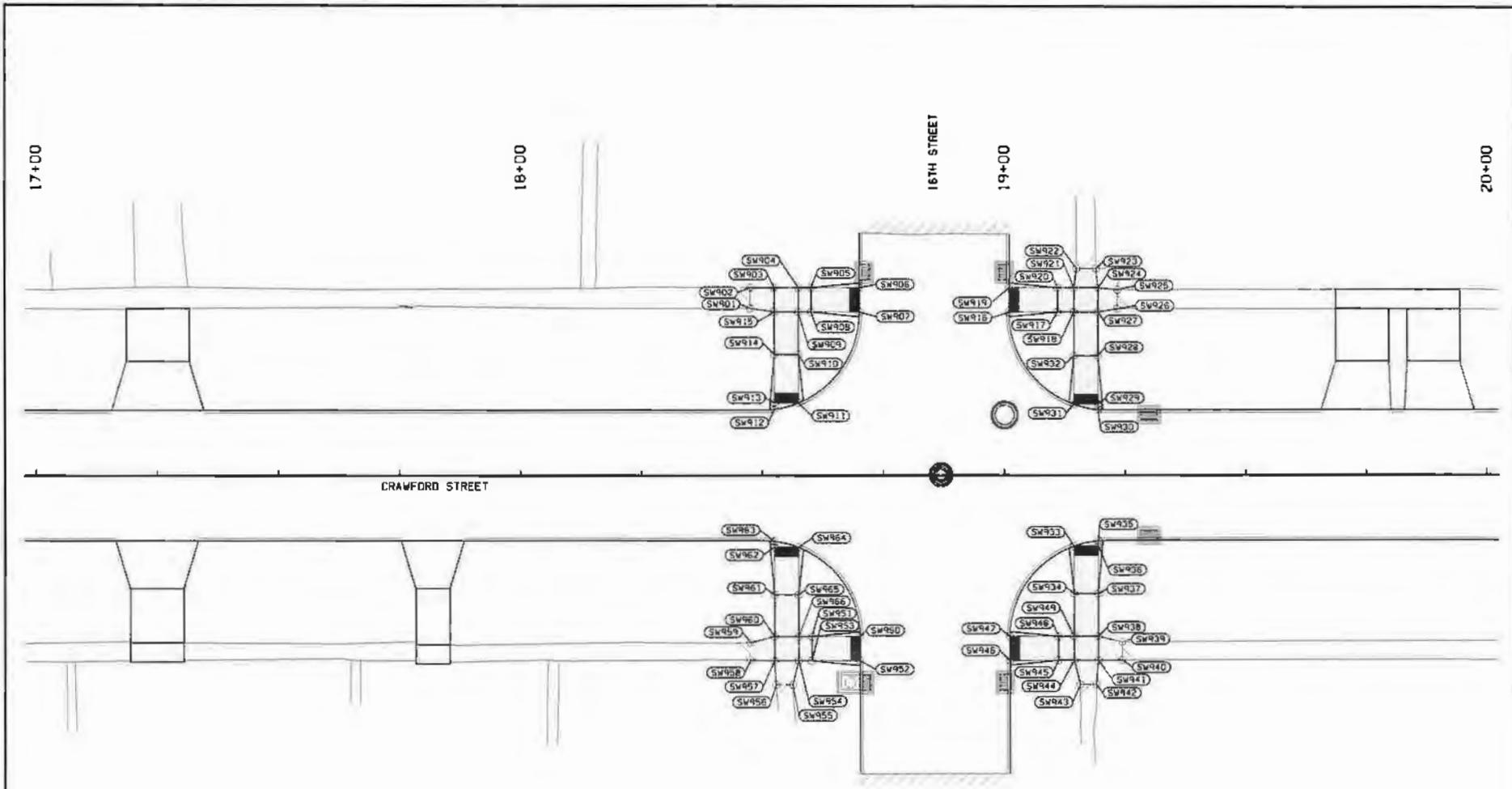
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOSTON, MA

**CRAWFORD STREET**  
 PEDESTRIAN RAMP STAKING

SHEET NO.  
**SW.08**



NOTES:  
 ALL ELEVATIONS ARE FORM GRADE OR TOP OF SLAB UNLESS OTHERWISE NOTED.  
 CONTRACTOR TO VERIFY ALL TIE-IN ELEVATIONS. NOTIFY ENGINEER IF ELEVATIONS ARE DIFFERENT THAN THOSE SHOWN.  
 REFER TO SHEET SW.01 FOR POINT LOCATION, ELEVATION, AND OTHER INFORMATION.

PROJECT NO: 158003-01	DESIGNED BY: NAF/MPF
PANEL NO: 02/04/2015	CHECKED BY: JSD/MPF
DRAWN BY: JSD/2015	DATE: 11/20/15
SCALE: AS SHOWN	PROJECT: 158003-01

NO.	DATE	BY	REVISION DESCRIPTION

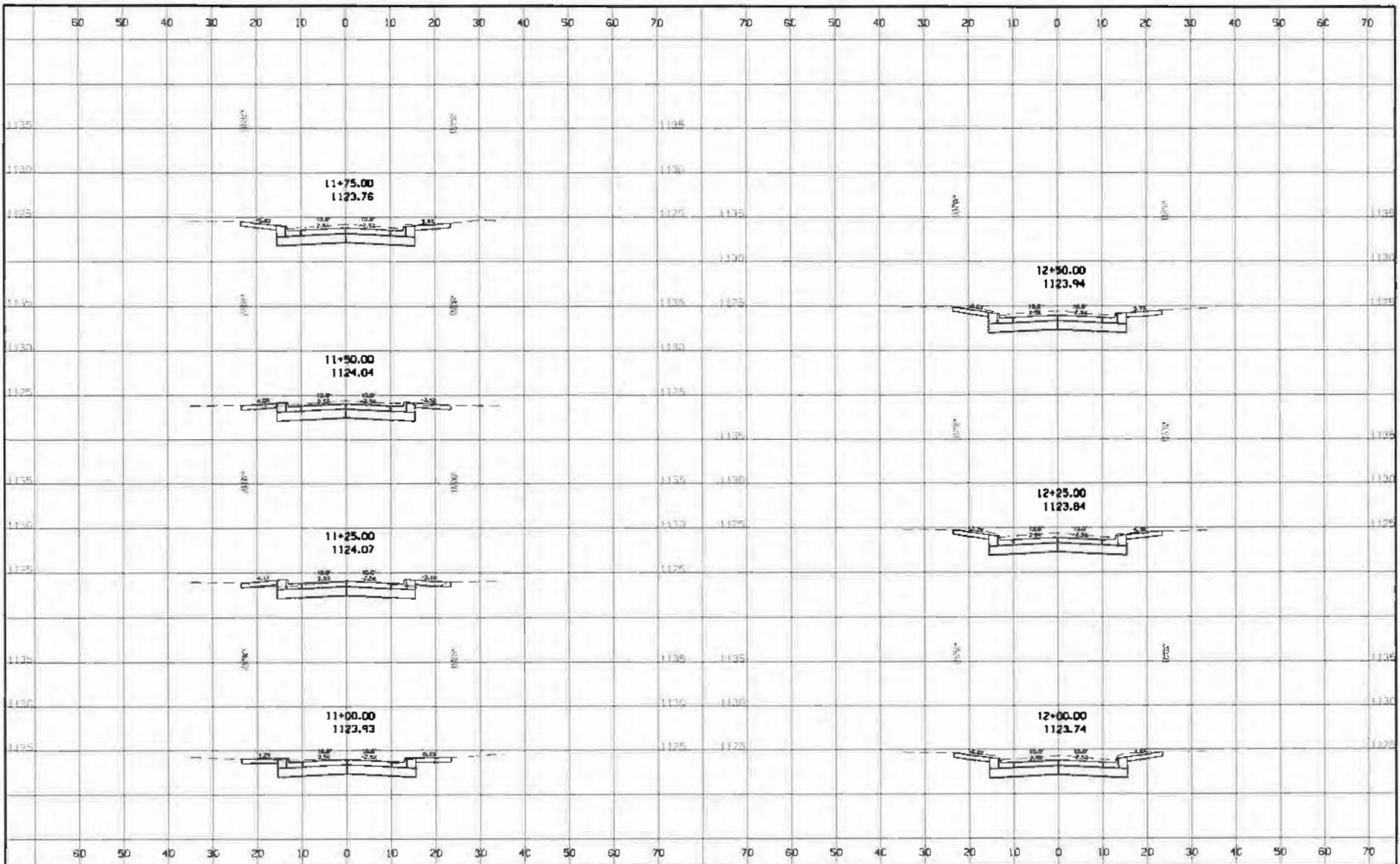


**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 PEDESTRIAN RAMP STAKING

SW.09





PROJECT NO: JERCEC-C  
 PROJECT DATE: 12/21/2016  
 DATE PLOTTED: 1/11/2017  
 USER: JERCEC-C  
 PLOT FILE: J:\proj\160121\160121.dwg

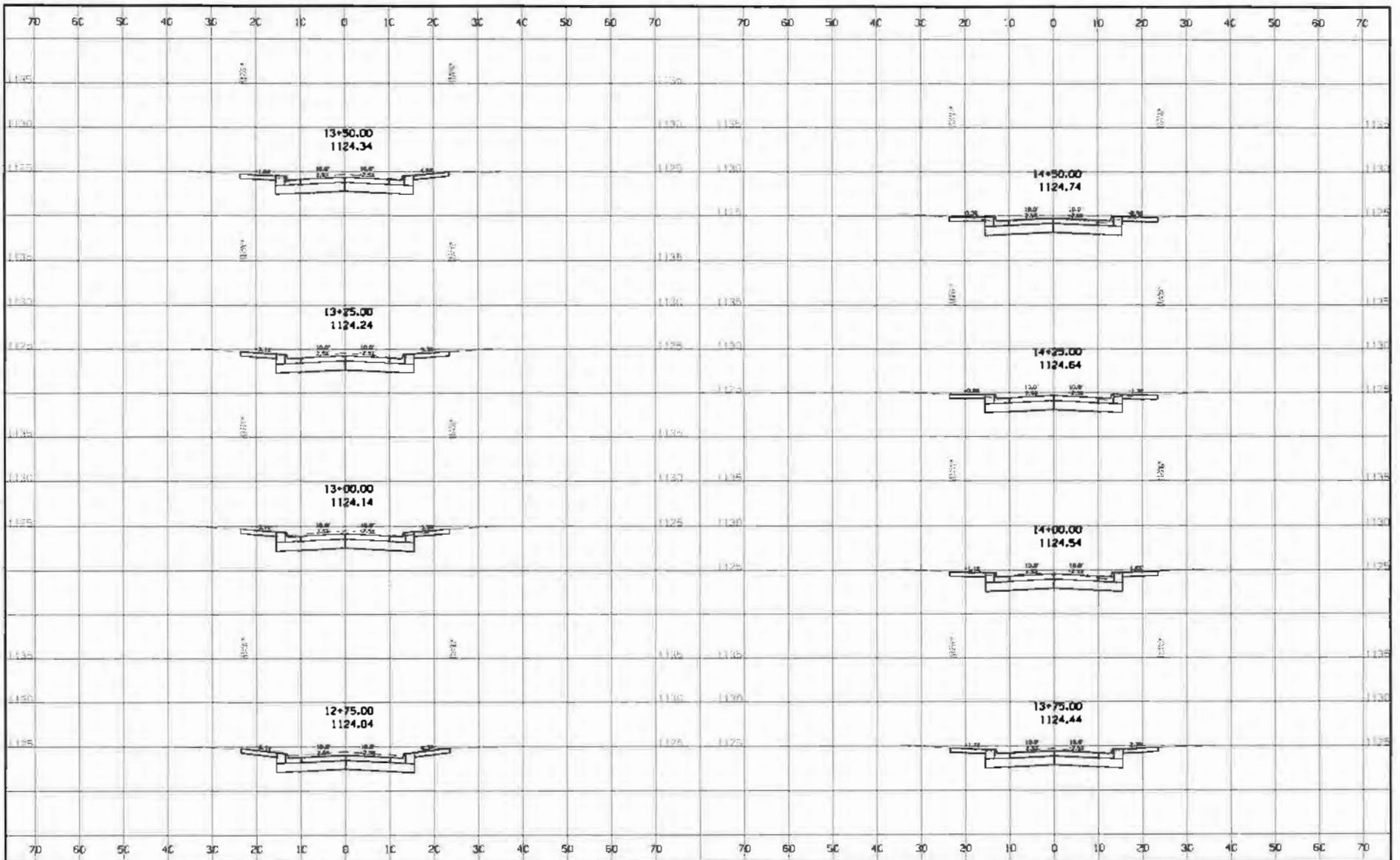
NO.	DATE	BY	SECTION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO.  
**W.01**



PROJECT NO. 2020-01  
 PROJECT NAME: CRAWFORD ST  
 DATE: 10/2020  
 DRAWN BY: J. B. BRYAN  
 CHECKED BY: J. B. BRYAN  
 DATE: 10/2020

NO.	DATE	BY	REVISION DESCRIPTION

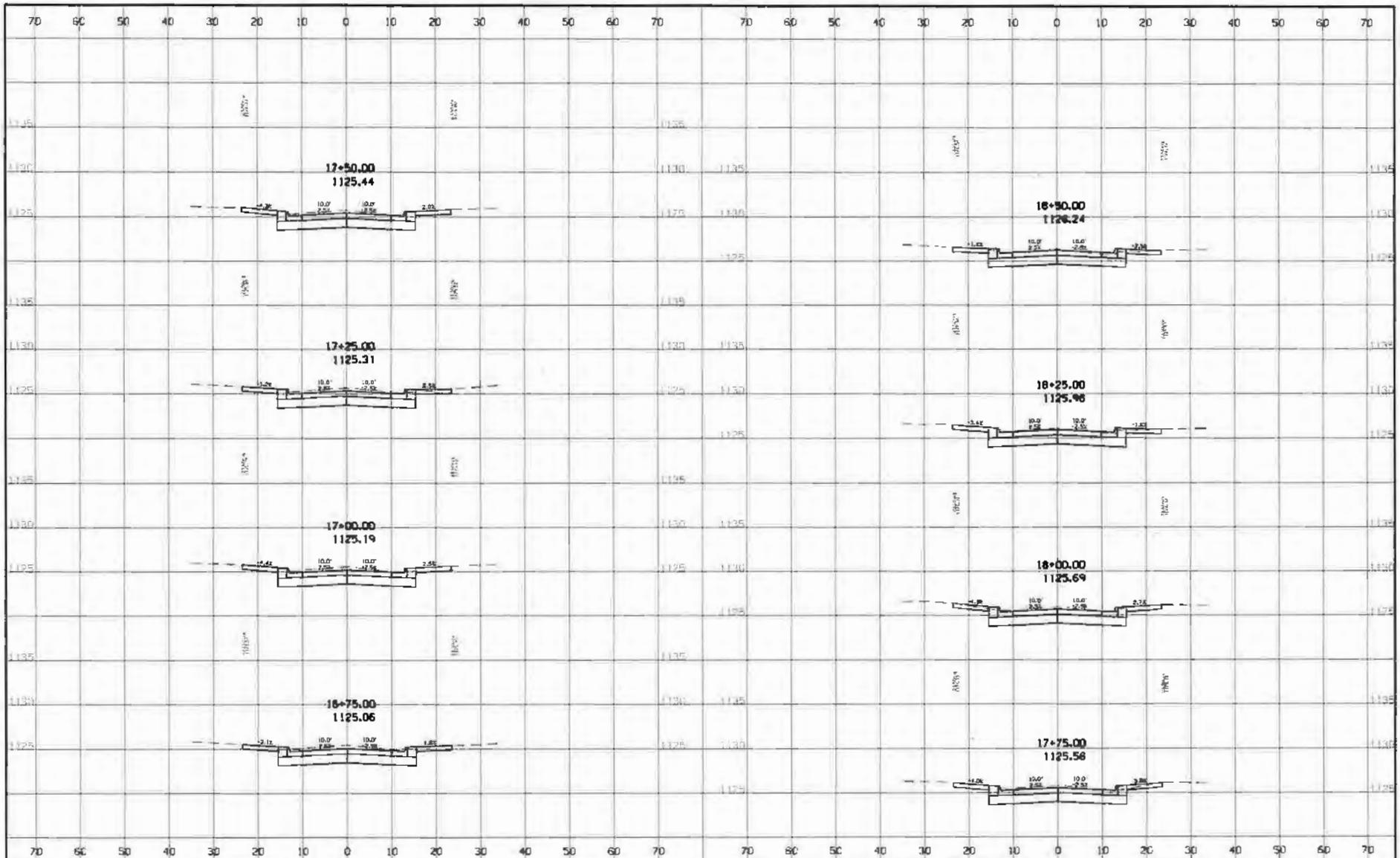


**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO.  
**W.02**





PROJECT NO. 202004-00-06  
 PROJECT DATE: 02/04/2024  
 DATE PLOTTED: 11/27/24  
 DESIGNED BY: KASHP/E  
 CHECKED BY: J. BOYD  
 DRAWN BY: KASHP/E  
 PLOT FILE: \\pds\work\202004-00-06\Crawford\112724\112724.dwg

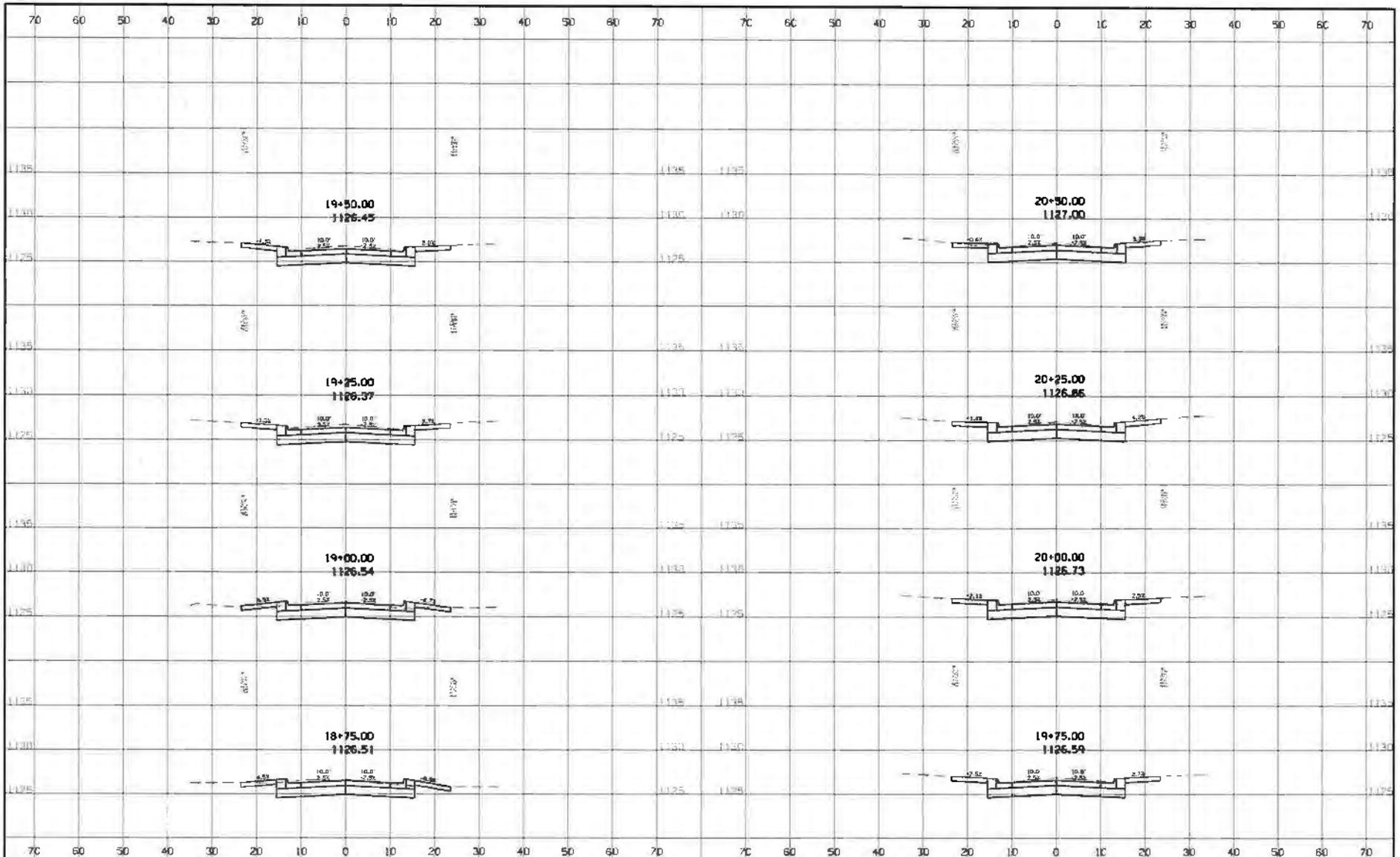
NO.	DATE	BY	DESCRIPTION OF REVISION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 MOORE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO.  
**W.04**



PROJECT NO. 14830021	DESIGNED BY: RAN/SPL
DRAWN BY: JG/DA/2015	CHECKED BY: JG/DA/2015
DATE: 1/13/2015	DATE: 1/13/2015
PROJECT: 14830021	PROJECT: 14830021
FILE: 14830021.dwg	FILE: 14830021.dwg

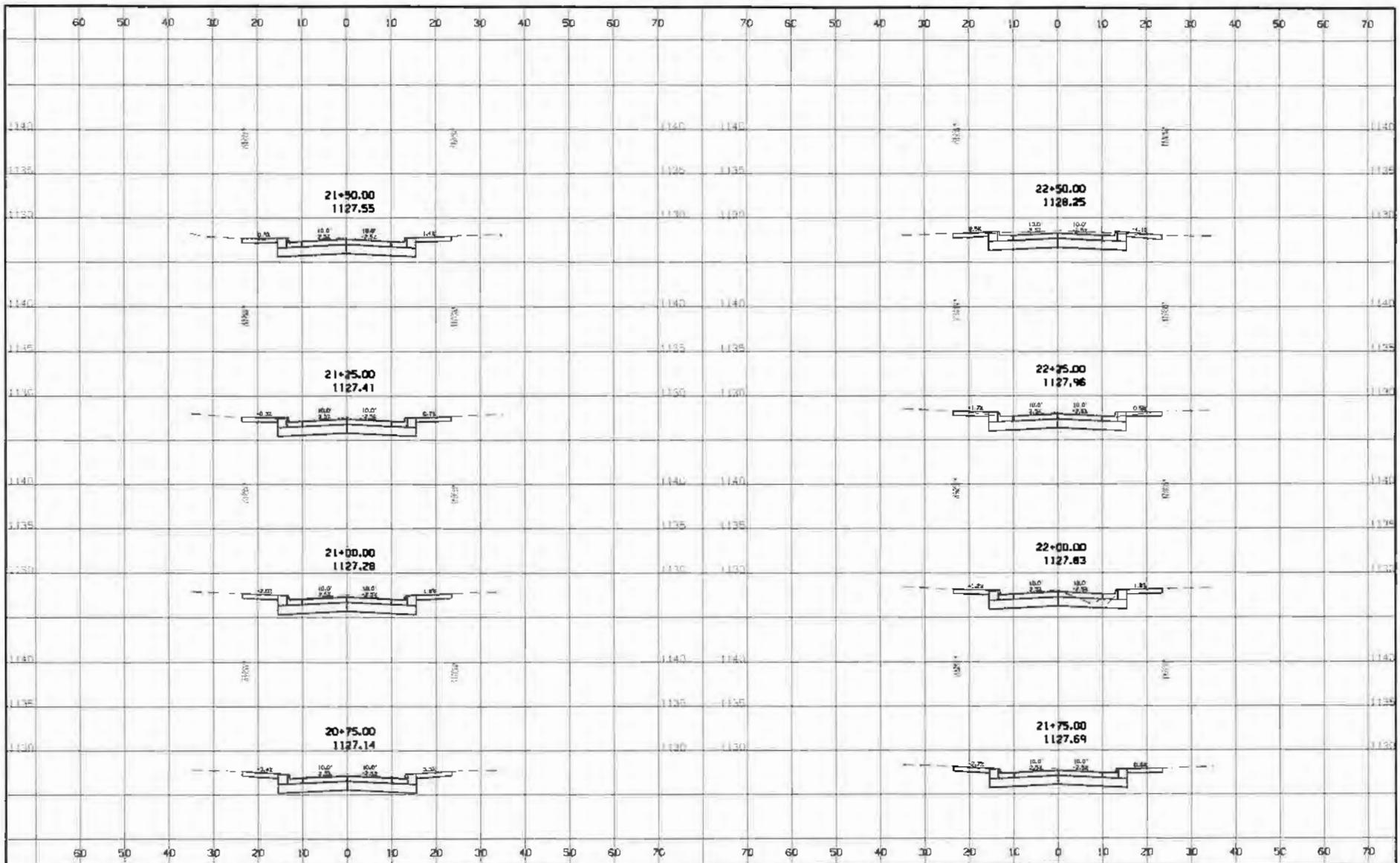
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 MOORE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO.  
**W.05**



PROJECT NO. 155003-01  
 DESIGNER: EFL/ALM/HLL  
 CHECKED BY: J. RYAN  
 DATE: 10/15/15  
 DRAWN BY: J. RYAN  
 DATE: 10/15/15

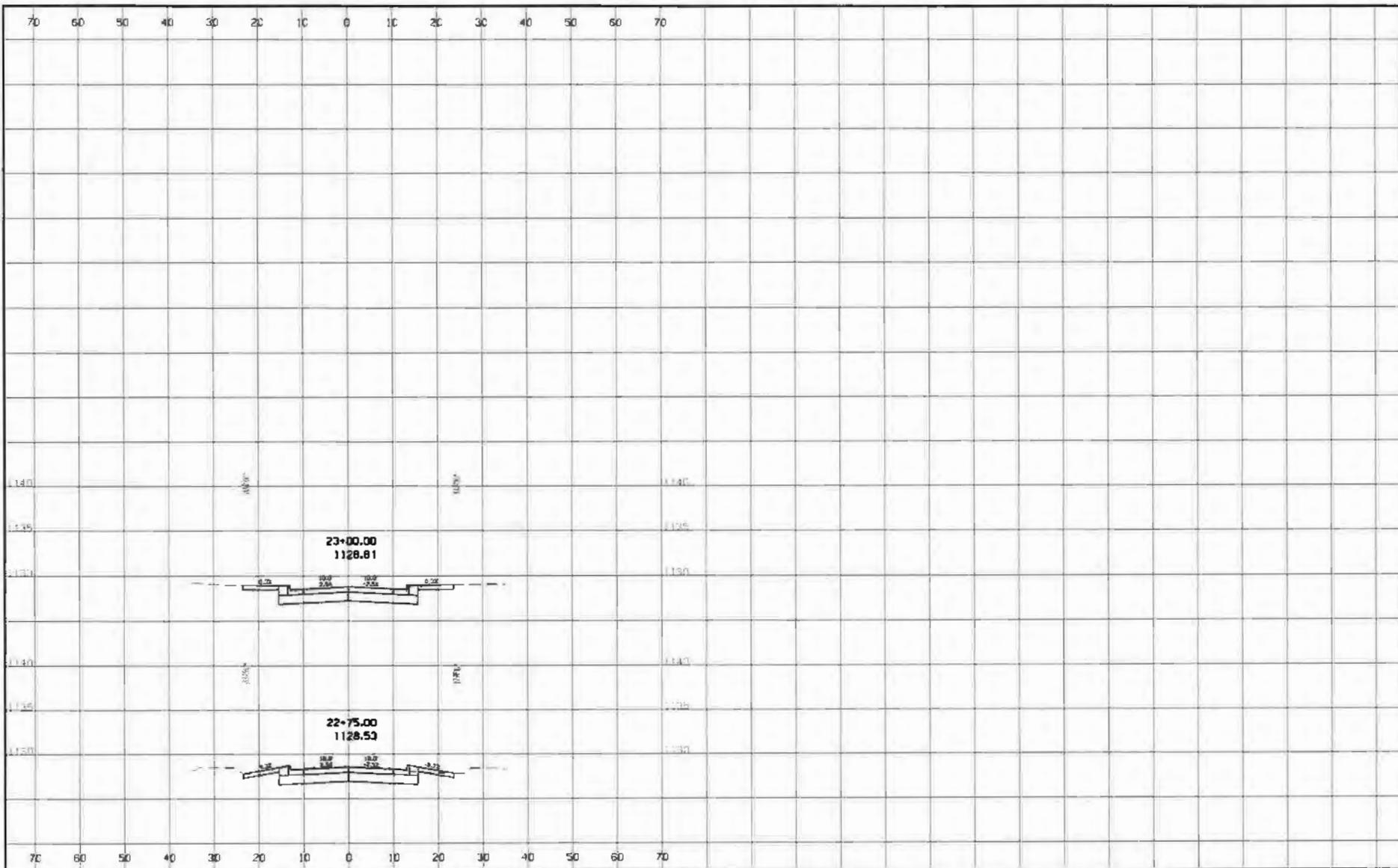
NO.	DATE	BY	DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BODINE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO.  
**W.06**



PROJECT NO: 25304-01  
 PROJECT DATE: 02/04/2015  
 DSD DATE: 11/20/15  
 DSD FILE: \\snp\apps\projects\25304\Drawings\W.07.dwg

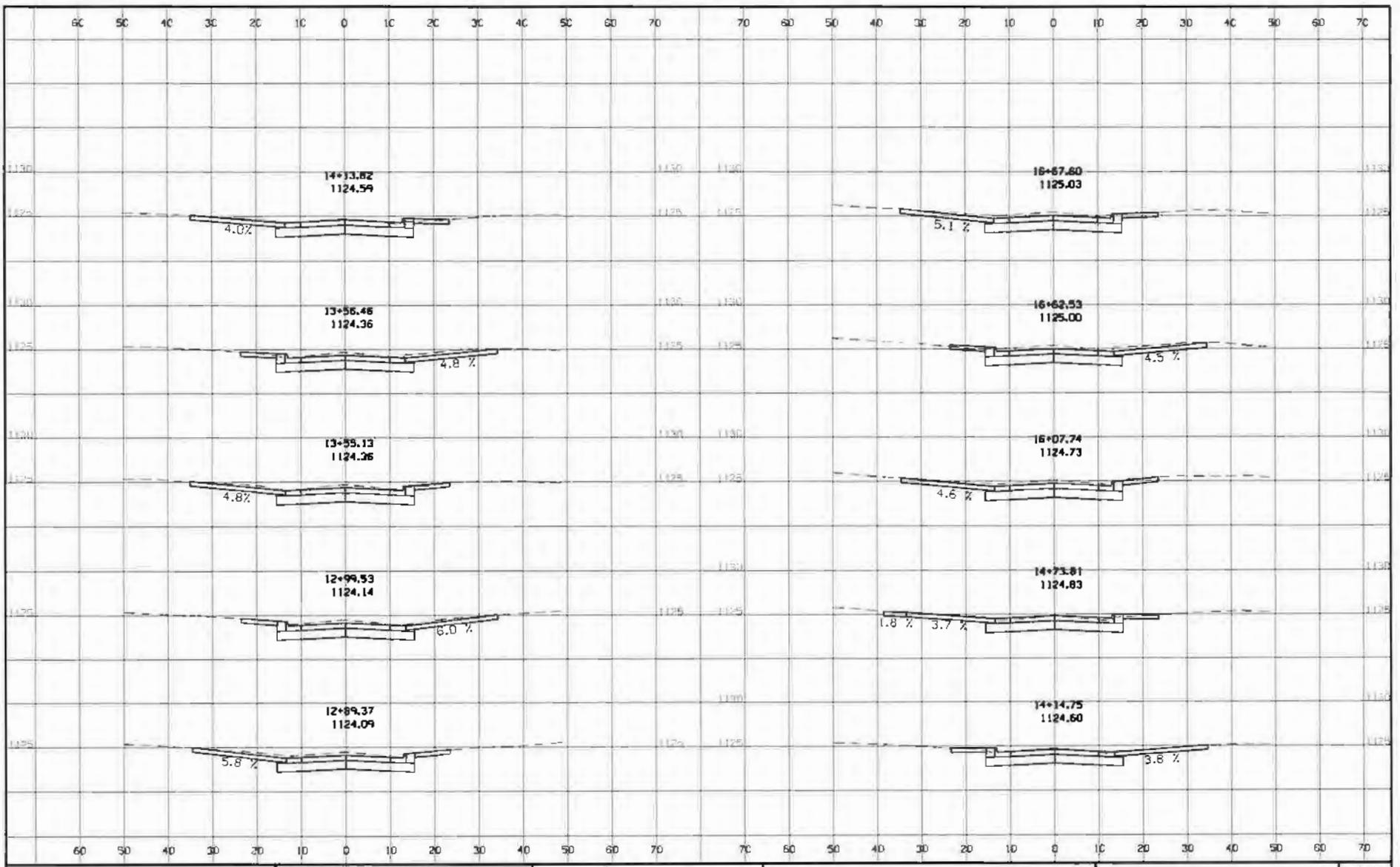
NO.	DATE	BY	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
**14TH STREET TO 17TH STREET**  
 BOONE, IA

**CRAWFORD STREET**  
**CROSS-SECTIONS**

SHEET NO:  
**W.07**



DRAWN BY: J. HARRIS  
 PROJECT DATE: 05/04/2013  
 JOB NO.: 1313-010  
 PC FILE: C:\pccad\proj\1313\1313.dwg

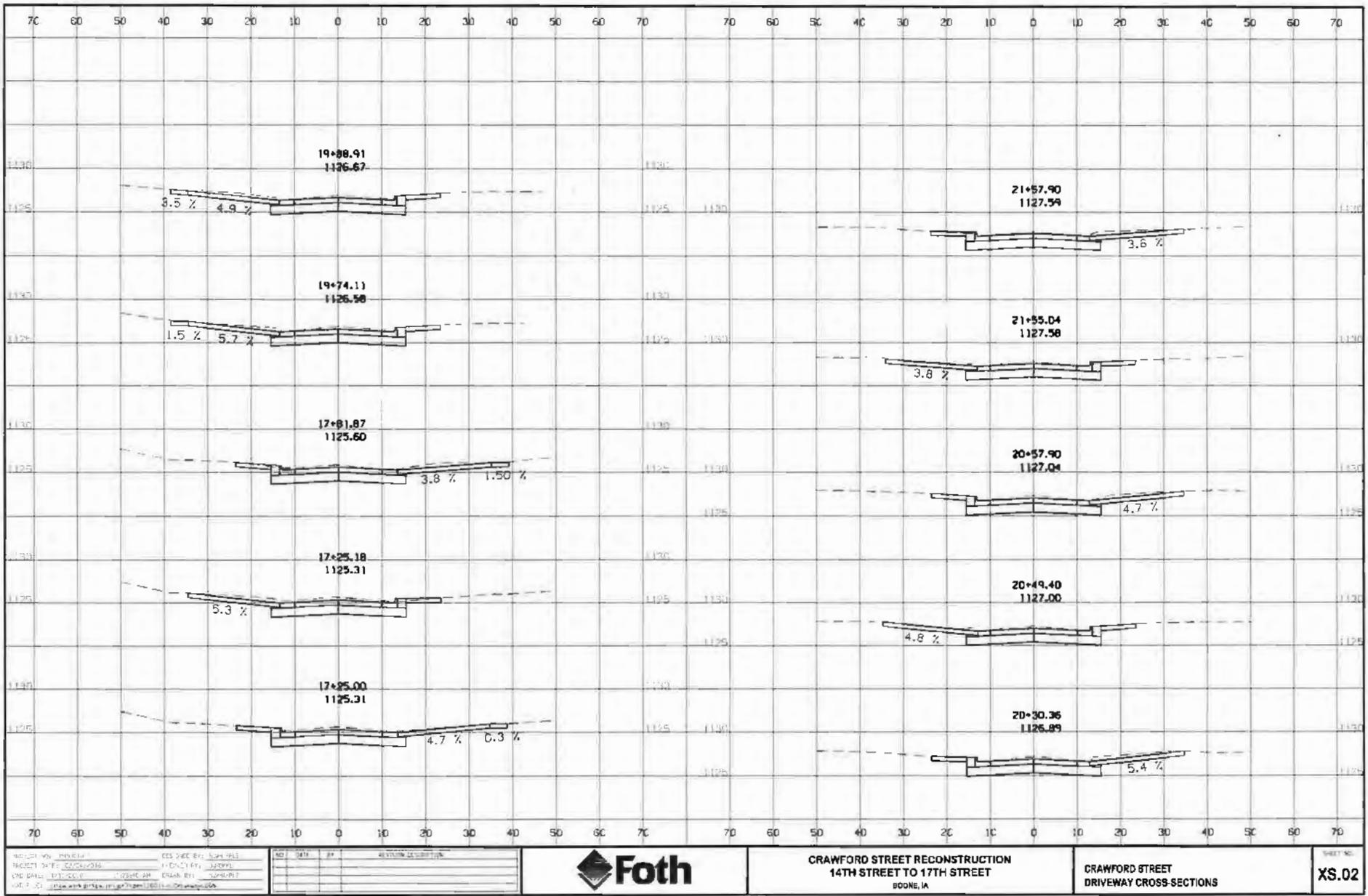
NO.	DATE	#	REVISION DESCRIPTION



**CRAWFORD STREET RECONSTRUCTION**  
**14TH STREET TO 17TH STREET**  
 BOOK 1A

**CRAWFORD STREET**  
**DRIVEWAY CROSS-SECTIONS**

SHEET NO.  
**XS.01**



PROJECT NO. 15000000  
 PROJECT DATE 02/20/2016  
 ONE DRAWING SET  
 DATE PLOTTED 02/20/16  
 PROJECT LOCATION 15000000

NO.	DATE	BY	REVISION



**CRAWFORD STREET RECONSTRUCTION**  
 14TH STREET TO 17TH STREET  
 BOONE, IA

**CRAWFORD STREET**  
 DRIVEWAY CROSS-SECTIONS

SHEET NO.  
**XS.02**



**ENGINEER'S OPINION OF PROBABLE COST**



**CRAWFORD STREET RECONSTRUCTION**  
14th Street to 17th Street  
City of Boone, IA

ITEM NO.	ITEM	UNIT	BASE PROJECT		
			UNIT PRICE	QUANTITY	TOTAL
<b>Division 1 - General</b>					
1.1	Mobilization	LS	\$ 40,000.00	1	\$ 40,000.00
1.2	Construction Survey	LS	\$ 5,000.00	1	\$ 5,000.00
<b>Division 2 - Earthwork, Subgrade, and Subbase</b>					
2.1	Clearing & Grubbing	LS	\$ 2,500.00	1	\$ 2,500.00
2.2	Top Soil, On Site	CY	\$ 18.00	803	\$ 14,454.00
2.3	Top Soil, Contractor Furnish	CY	\$ 25.00	500	\$ 12,500.00
2.4	Below Grade Excavation (Core Out)	CY	\$ 25.00	350	\$ 8,750.00
2.5	Subgrade Preparation, 6 in.	SY	\$ 3.00	5,686	\$ 17,058.00
2.6	Subgrade Treatment, Fly Ash	SY	\$ 10.00	1,040	\$ 10,400.00
2.7	Fly Ash	TON	\$ 50.00	70	\$ 3,500.00
2.8	Modified Subbase, 6 in.	SY	\$ 8.00	5,686	\$ 45,488.00
2.9	Removals, As Per Plan	LS	\$ 3,500.00	1	\$ 3,500.00
2.10	Brick Driveway Edging, Remove & Salvage	LF	\$ 15.00	45	\$ 675.00
<b>Division 3 - Trench and Trenchless Construction</b>					
3.1	(Not Used - Incidental to other work items.)				
<b>Division 4 - Sewers and Drains</b>					
4.1	Storm Sewer, Trenched, RCP, Class V, 12 in.	LF	\$ 55.00	228	\$ 12,540.00
4.2	Storm Sewer, Trenched, RCP, Class V, 15 in.	LF	\$ 60.00	638	\$ 38,280.00
4.3	Storm Sewer, Trenched, RCP, Class III, 24 in.	LF	\$ 75.00	11	\$ 825.00
4.4	Storm Sewer, Trenched, RCP, Class III, 48 in.	LF	\$ 140.00	100	\$ 14,000.00
4.5	Reinforced Concrete Tee, Storm Sewer, 48" X 15"	EA	\$ 2,500.00	2	\$ 5,000.00
4.6	Special Pipe Connection, Storm Sewer, SW-211	EA	\$ 2,500.00	5	\$ 12,500.00
4.7	Removal of Storm Sewer Pipe Less Than or Equal to 36 in.	LF	\$ 20.00	420	\$ 8,400.00
4.8	Removal of Storm Sewer Pipe Greater Than 36 in.	LF	\$ 30.00	113	\$ 3,390.00
4.9	Subdrain, PVC, Case E, 8 in.	LF	\$ 9.00	2,200	\$ 19,800.00
4.10	Subdrain Collector Service	EA	\$ 400.00	29	\$ 11,600.00
4.11	Subdrain, Connection to Intake or Storm Sewer	EA	\$ 250.00	12	\$ 3,000.00
4.12	Field Tile & Fittings, PVC Unspecified Dia.	LF	\$ 20.00	250	\$ 5,000.00
4.13	Video Inspection of Sewers	LS	\$ 3,500.00	1	\$ 3,500.00
<b>Division 5 - Water Mains and Appurtenances</b>					
5.1	Hydrant Lead, Trenched, PVC C9000, DR 18, 4 in.	LF	\$ 75.00	40	\$ 3,000.00
5.2	Valve, Gate, 4 in. (Live Insertion)	EA	\$ 5,500.00	3	\$ 16,500.00
5.3	Fire Hydrant Assembly	EA	\$ 4,000.00	4	\$ 16,000.00
5.4	Valve Box Adjustment, Minor	EA	\$ 200.00	7	\$ 1,400.00
5.5	Removal of Fire Hydrant	EA	\$ 2,000.00	4	\$ 8,000.00
5.6	Relocation of Water Main	EA	\$ 7,500.00	2	\$ 15,000.00
<b>Division 6 - Structures for Sanitary and Storm Sewer</b>					
6.1	Manhole, Sanitary Sewer, SW-301, 48 in.	EA	\$ 7,000.00	4	\$ 28,000.00
6.2	Manhole, Storm Sewer, SW-401, 48 in.	EA	\$ 3,000.00	4	\$ 12,000.00
6.3	Manhole, Storm Sewer, SW-401, 84 in.	EA	\$ 5,000.00	1	\$ 5,000.00
6.4	Intake, Single Grate, SW-501	EA	\$ 2,800.00	22	\$ 61,600.00
6.5	Intake, Circular Single Grate, SW-502, 48"	EA	\$ 4,500.00	1	\$ 4,500.00
6.6	Intake, Single Grate w/Manhole, SW-503	EA	\$ 4,000.00	1	\$ 4,000.00
6.7	Manhole Adjustment, Major	EA	\$ 3,000.00	2	\$ 6,000.00
6.8	Removal of Manhole or Intake	EA	\$ 500.00	18	\$ 9,000.00
<b>Division 7 - Streets and Related Work</b>					
7.1	Pavement, PCC, Class C, 7 in.	SY	\$ 43.00	5,067	\$ 217,881.00
7.2	Removal of Sidewalk, Shared Use Path, or Driveway	SY	\$ 10.00	703	\$ 7,030.00
7.3	Sidewalk, PCC, 6 in.	SY	\$ 60.00	471	\$ 28,260.00
7.4	Detectable Warnings	SF	\$ 45.00	320	\$ 14,400.00
7.5	Driveway, Paved, 6 in.	SY	\$ 50.00	571	\$ 28,550.00
7.6	Pavement Removal	SY	\$ 8.00	5,054	\$ 40,432.00
7.7	Temporary Granular Access	TON	\$ 40.00	50	\$ 2,000.00
<b>Division 8 - Traffic Control</b>					
8.1	Traffic Control	LS	\$ 7,500.00	1	\$ 7,500.00
8.2	Painted Pavement Markings, Durable	STA	\$ 250.00	13.62	\$ 3,405.00
8.3	Street Signs, Removal & Reinstallation	LS	\$ 2,500.00	1	\$ 2,500.00

ITEM NO.	ITEM	UNIT	BASE PROJECT		
			UNIT PRICE	QUANTITY	TOTAL
<b>Division 9 - Sitework and Landscaping</b>					
9.1	Hydraulic Seeding, Fertilizing, and Mulching, Type 1 (Perm. Lawn Mix)	ACRE	\$ 3,000.00	1	\$ 3,000.00
9.2	Hydraulic Seeding, Fertilizing, and Mulching, Type 4 (Urban Temp. Mix)	ACRE	\$ 2,000.00	1	\$ 2,000.00
9.3	Watering	MGAL	\$ 50.00	87	\$ 4,350.00
9.4	Warranty	LS	\$ 2,000.00	1	\$ 2,000.00
9.5	Stormwater Pollution Prevention Plan (SWPPP) Management	LS	\$ 3,500.00	1	\$ 3,500.00
9.6	Filter Sock, Installation	LF	\$ 2.50	1,250	\$ 3,125.00
9.7	Filter Sock, Removal	LF	\$ 0.50	1,250	\$ 625.00
9.8	Inlet Protection, Installation	EA	\$ 200.00	24	\$ 4,800.00
9.9	Inlet Protection, Maintenance	EA	\$ 25.00	24	\$ 600.00
<b>Total Opinion of Probable Project Costs</b>					<b>\$867,618.00</b>

	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 style="text-align: center;"><i>Jared Rokke</i>      1/12/2016</p> <p>JARED ROKKE, P.E.      DATE</p> <p>License Number: 21649</p> <p>My license renewal date is DECEMBER 31, 2016.</p> <p>Pages or sheets covered by this seal:</p> <p>ALL SHEETS</p>



January 7, 2016

Bill Skare, Chief of Police  
City of Boone Police Department  
525 Story Street  
Boone, IA 50036

Dear Bill,

Please accept our request to participate in the City of Boone 75/25 cost-sharing demolition program for a property recently acquired by Heart of Iowa Habitat for Humanity at 1409 Marshall Street in Boone. We do understand the City will oversee and handle all details of the demolition, with Habitat responsible for 75% of the final cost.

In addition to removing existing structures, including a house and garage, we would like to have two trees included in the demolition work to allow space for construction of a new house. Both trees are immediately south of the current house.

Capping the water and sewer lines in the parking is sufficient, as both will be replaced to the point of connection with the City utilities. This will be done at the time of new construction.

A new Habitat house is anticipated to be constructed starting early spring of 2017 or 2018 in partnership with a local family earning between 30% and 60% of County Median Family Income.

Respectfully submitted,

A handwritten signature in blue ink that reads "Erich Kretzinger".

Erich Kretzinger  
Executive Director

BOONE POLICE DEPARTMENT

COUNCIL REPORT

December, 2015

	2014	2015
MURDER CHARGES FILED	0	0
ASSAULT/INTIMIDATION CHARGES FILED	3	2
<i>ASSAULT/INTIMIDATION REPORTED</i>	4	4
BURGLARY/THEFT CHARGES FILED	6	7
<i>BURGLARY/THEFTS REPORTED</i>	23	8
<i>STOLEN PROPERTY VALUE</i>	\$15,467.15	\$3,552.02
<i>RECOVERED PROPERTY VALUE</i>	\$342.79	\$139.60
DESTRUCTION/CRIM MISCHIEF FILED	2	1
<i>CRIM MISCHIEF REPORTED</i>	4	4
<i>DAMAGED PROPERTY VALUE</i>	\$870.00	\$301.00
DRUG/NARCOTIC VIOLATIONS	8	10
ALCOHOL VIOLATIONS	13	1
<i>ALL OTHER OFFENSES REPORTED</i>	27	15
TOTAL ACCIDENTS	11	20
TOTAL INJURIES	3	4
TOTAL FATALITIES	0	0
TOTAL TRAFFIC CITATIONS	89	73
*NUMBER OF CALLS FOR SERVICE	790	710
SICK LEAVE HOURS:		
OFFICERS:	209	134.25
OTHERS:	10	0
VACATION LEAVE HOURS:		
OFFICERS:	222	238.5
OTHERS:	0	26.5
FUNERAL LEAVE HOURS:	0	0
MILITARY LEAVE HOURS:	0	0
JURY DUTY LEAVE HOURS:	0	0
OVERTIME HOURS:	0	0
OFFICERS:	166.25	149.75
PART-TIME OFFICER:	39.5	175

\* Does not reflect actual number of calls for service. Communication Center does not record calls such as lockouts, citizen's assistance, and minor calls for service.

**Annual Report - 2015**  
**Community Service Officer**

**Demolitions Completed**

1003 Story St  
1004 Story St  
423 11<sup>th</sup> St  
1104 Marshall St.  
603 W 5<sup>th</sup> St  
1016 5<sup>th</sup> St

**Calls for Service**

**Nuisance – 157**  
**Primary - 877**

**Demolitions in-process**

301 9<sup>th</sup> St – (90%)  
1022 Linn St. (Bids received)  
1028 Linn St. (Bids received)  
1409 Marshall St (Habitat Request)  
1209 Benton St (order pending)  
101 12<sup>th</sup> St (foreclosure process)  
1627 5<sup>th</sup> St (order pending)  
1215 Nebraska St (order pending)

**Repair Agreements Completed/ in progress(%)**

1528 Benton St. (slow progress)  
203 13<sup>th</sup> St (currently for sale)  
1009 Division St (95%)  
409 Greene St (slow progress)  
1121 3<sup>rd</sup> St (garage in legal process)  
1543 5<sup>th</sup> St (complete)  
518 W 2<sup>nd</sup> St (on demo list – then new repair agreement)  
903 W 5<sup>th</sup> St (slow progress 75%)  
134 Underhill St (slow progress)

301 9<sup>th</sup> St



1104 Marshall St



## STATEMENT OF COUNCIL PROCEEDINGS

January 4, 2016 7:00 p.m.

The City Council of Boone, Iowa, met in regular session in the City Hall Council Chambers on January 4, 2016, at 7:00 P.M. with Mayor Slight presiding. The following Council Members were present: Porter, McGinn, Mallas, Hicks, Nystrom, and Ray. Absent: Piklapp.

Mallas moved, Hicks seconded to approve the agenda as presented. Ayes: McGinn, Mallas, Hicks, Nystrom, Ray, Porter. Nays: none.

Mayor Slight announced that this is the time and place for a hearing concerning the sale of property at 423 11<sup>th</sup> Street, Boone, Iowa. Mayor Slight asked if there were any written comments; no written comments were presented. Mayor Slight asked if there were any oral comments; no comments were made. Whereupon, the Mayor declared the hearing closed.

Ray moved, Hicks seconded to set a public hearing for January 18<sup>th</sup> 2016, at 7:00 p.m. to consider the sale of property at 301 9<sup>th</sup> Street, Boone, Iowa. Ayes: Mallas, Hicks, Nystrom, Ray, Porter, McGinn. Nays: none.

Ray moved, Nystrom seconded to approve submitting an application for SCBA gear. Ayes: Hicks, Nystrom, Ray, Porter, McGinn, Mallas. Nays: none.

Nelson presented the Council with services that the Boone Area Humane Society provides to the Community and requested their thoughts on the services being provided and a possible significant increase in cost for services. Nystrom moved, Ray seconded to change services so there is no increase in cost. Ayes: Nystrom, Ray, Porter, McGinn, Mallas, Hicks. Nays: none.

Ray moved, Mallas seconded to approve the following items on the Consent Agenda: 1) Minutes of previous meetings. 2) Bills payable. 3) Resolution 2377 authorizing the sale of property located at 423 11<sup>th</sup> Street. 4) Resolution 2379 authorizing Julie Meimann to be moved from part-time to full-time at \$16.00 per hour. 5) Resolution 2381 authorizing Joseph Slight to move from part-time Police Officer to full-time; wages and benefit to be paid per contract. 6) Resolution 2382 authorizing the submittal of a RISE Grant application for Quartz Avenue. 7) Approving the following appointments: Wayne Schwartz as the primary on the CIRTPA Technical Committee, Luke Nelson as the secondary on the CIRTPA Technical Committee, Luke Nelson as the primary on the CIRTPA Policy Committee, Wayne Schwartz as the secondary on the CIRTPA Policy Committee, Steven Ray on the E911 Board, Kary Keys on the Family Resource Center Governance Board, Don Romig on the Family Resource Center Governance Board, Luke Nelson on the Landfill Advisory Board, and Randy Schmitz on the Central Iowa Regional Housing Authority. Ayes: Ray, Porter, McGinn, Mallas, Hicks, Nystrom. Nays: none.

A & E Millwright & Repair	Repairs	360.00
A-Tec Recycling Inc	Services	194.84
Access Systems Leasing	Copier Contract	220.57
AFLAC	Payroll	15.75
Ahlers & Cooney PC	Legal Services	60.00
Alliant Energy	Utilities	9,088.96
Allstate Benefit Group	Payroll	214.10
Amazon.Com	Library Materials	531.36
Andrea Commins	Library Refund	25.80
Boone Fitness LLC	Payroll	133.71
Arlen Wildeman	Clothing Allowance	127.50
Arnold Motor Supply	Parts	1,444.67
Avesis	Payroll	672.50
Bankers Trust	Bond Payments	171,457.25
Ben Kautza	Clothing Allowance	262.50
Bernie Lowe & Assoc Inc	411 Medical Claims	293.54
Biosolids Management Group	Lime Removal	73,500.00
Boone Ace Hardware	Supplies	358.21

Boone Area Humane Society	Contract Services	6,059.17
Boone Bank & Trust Payroll	Payroll	612.50
Boone Chamber Of Commerce	Memberships	910.00
Boone County Abstract	Lien Report	95.00
Boone County Landfill	FY 2016 Assessment	5,275.41
Boone Day Breakers Kiwanis	Dues	170.00
Boone Hardware	Supplies	731.87
Gatehouse Media Iowa	Publications	1,367.32
Capital City Equipment	Equipment Rental	170.00
Brekke & Mather	Repair	318.75
Brown Electric	Repair	72.30
Cameron Stevens	Clothing Allowance	127.50
CDS Global	Services	220.30
Center Point Publishing	Library Materials	587.37
Central Iowa Building Supply	Supplies	133.62
Central IA Truck Repair	Parts	503.97
Centurylink	Services	43.94
Change	Postage	272.59
Chase	Miscellaneous	28.92
City Of Boone	Utilities	349.52
Collection Services Center	Payroll	1,492.18
Cory Stoneburner	Clothing Allowance	127.50
Curtis Moran	Clothing Allowance	127.50
Dakota Security Systems	Services	4,806.00
Darwin Backous	Building Maintenance	1,170.00
David Huffman	Clothing Allowance	127.50
David Moore	Clothing Allowance	127.50
David Mozena	Clothing Allowance	127.50
Dean Taylor	Clothing Allowance	127.50
DEMCO	Library Supplies	253.48
Des Moines Area College	Training	450.00
Don Batt	Clothing Allowance	127.50
Donald Zehner	Clothing Allowance	262.50
Dutch Oven Bakery	Supplies	53.00
Ecolab Inc	Pest Control	80.00
Edward Jones	Payroll	100.00
Electric Wholesale Co	Repairs	451.03
Two Rivers Insurance	Engineering	88,549.85
Fire Service Training Bureau	Supplies	600.00
Free Spirit Publishing	Library Materials	71.55
Gale	Library Materials	399.07
Galls LLC	Supplies	1,344.45
GovConnection Inc	Services	459.15
Graymont Western Lime Inc	Chemicals	3,947.76
Hach Company	Chemicals	902.70
Hiway Truck Equipment Inc	Repairs	367.10
Hy-Vee Food Store	Supplies	57.68
Iowa Dept Transportation	Supplies	100.14
Iowa Finance Authority	Bond Payments	143,295.00
Iowa State University	Training	450.00
Iowa Workforce Development	Payroll	639.23
IAFC Membership	Dues	234.00
ICMA Retirement Trust 457	Payroll	859.49
Ingram Book Company	Library Materials	2,099.62
International Code Council, Inc	Dues	135.00
IPERS	Payroll	14,138.49
Internet Services United Networks	Internet Service	222.85

Jamie Williams	Library Supplies	24.84
Janway Company USA Inc	Supplies	106.95
Jayne Crook	Clothing Allowance	262.50
Jeff Blair	Clothing Allowance	262.50
Jim Robbins PC	Services	5,700.00
Jimmy's Barbeque Pit	Training	300.00
John Frank Jr	Clothing Allowance	127.50
John Rouse	Car Allowance	250.00
John Slight	Car Allowance	150.00
Josh Eatock	Clothing Allowance	127.50
Justin Adams	Clothing Allowance	262.50
Kabel Business Services	Payroll	2,742.36
Kent Peterson	Clothing Allowance	262.50
Kimball Midwest	Supplies	66.03
Kriss Premium Products Inc	Services	61.52
Lowe's Home Center	Parts	3.82
Luke Nelson	Car Allowance	300.00
Majors Construction	Services	4,584.00
Mark Ellsbury	Clothing Allowance	127.50
Max Cook	Clothing Allowance	262.50
McFarland Clinic	Services	28.00
Andrew Lynn McGill	Computer Contract	1,995.00
Medtrak Services	Payroll	1,935.07
Members 1st Community Credit Union	Payroll	350.00
Midland Power Cooperative	Utilities	24.73
Midwest Alarm Services	Services	275.00
Midwest Quality Wholesale	Supplies	44.02
Moeller Electric	Repair	1,197.73
Moffitt's Inc	Repair	100.00
Municipal Fire & Police Retirement	Payroll	24,876.50
Mutual Of Omaha	Payroll	750.26
Newton Public Library	Library Materials	25.95
O'Halloran International	Parts	140.91
OCLC	Subscription	577.33
Orkin.Inc	Pest Control	64.00
Card Member Services	Supplies/Parts	60.00
Pat Clemons Chevrolet	Parts	160.21
Pershing LLC	Payroll	100.00
Quality One	Services	1,825.00
Quill Corporation	Supplies	297.02
R & W Power	Parts	892.87
R.T. Barbee Co., Inc	Library Supplies	274.90
Recorded Books Inc	Library Materials	7.95
Robert Jones	Clothing Allowance	127.50
Robert Robinson	Clothing Allowance	127.50
Roy Martin	Contract Services	1,550.00
Scott Hull	Clothing Allowance	127.50
Spring Green	Services	220.88
State Hygienic Laboratory	Lab Tests	312.00
State Of Iowa	Payroll	14,443.00
Storey Kenworthy	Supplies	347.65
Survival Fitness	Services	12,000.00
Swan Creek	Supplies	693.08
Tom Walters Company	Waste Removal	16.00
Transamerica	Payroll	50.00
Travis Baker	Clothing Allowance	127.50
Treasurer/State Of Iowa	Utility Sales Tax	13,023.09

UL LLC	Ladder Testing	2,306.10
United States Postmaster	Permit Fee	225.00
USA Blue Book	Parts	215.87
Verizon Wireless Services LLC	Services	1,842.35
Vision Bank	Payroll	268.85
Vision Bank	Payroll	58,453.07
Wal-Mart	Supplies	1,287.58
Walters Sanitary Service Inc	Waste Removal	296.24
Warren Ehlert	Clothing Allowance	127.50
Waylon Andrews	Clothing Allowance	127.50
Wayne Schwartz	Car Allowance	250.00
William Browning	Clothing Allowance	262.50
William Skare	Car Allowance	250.00
Windstream	Services	1,912.26
Wisecup Trucking	Demo	8,400.00
YMCA Of Greater Des Moines	Payroll	439.50
Paid Total		717,712.12

FUND	DISBURSEMENTS
General	100,835.42
Special	12,603.87
Hotel/Motel	0.00
Road Use Tax	35,078.86
Debt Service	122,239.69
Water Utility	74,206.58
Sewer Utility	192,873.90
Family Resource Center	2,362.33
Capital Project	81,995.00
Storm Water Utility	2,128.67
Expendable Trust	274.49
Agency Account	93,113.31

Ray moved, Mallas seconded to approve the second reading of Ordinance 2224 revising the parking at Bryant School, Section 69.08. Ayes: Nystrom, Ray, Porter, McGinn, Mallas, Hicks. Nays: none.

Mallas moved to go into closed session at 7:24 P.M. pursuant to Iowa Code §20.17(3) to discuss contract negotiations for Fire, Hicks seconded. Ayes: Ray, Porter, McGinn, Mallas, Hicks, Nystrom. Nays: none.

Mallas moved to come out of closed session at 7:49 P.M., Ray seconded. Ayes: Porter, McGinn, Mallas, Hicks, Nystrom, Ray. Nays: none.

Mallas moved to go into closed session at 7:50 P.M. pursuant to Iowa Code §20.17(3) to discuss contract negotiations for CEBO, Hicks seconded. Ayes: Ray, Porter, McGinn, Mallas, Hicks, Nystrom. Nays: none.

Ray moved to come out of closed session at 7:56 P.M., Mallas seconded. Ayes: Porter, McGinn, Mallas, Hicks, Nystrom, Ray. Nays: none.

Porter moved to go into closed session at 7:56 P.M. pursuant to the Iowa Code §21.51(1)(j) for real estate negotiations, seconded by Mallas. Ayes: Hicks, McGinn, Nystrom, Ray, Porter, Mallas. Nays: none.

Mallas moved to come out of closed session at 8:00 P.M., seconded by Hicks. Ayes: Nystrom, Ray, Porter, McGinn, Mallas, Hicks. Nays: none.

There being no further business to come before the Council the meeting was adjourned at 8:01 P.M.

ATTEST:

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Ondrea Elmquist Clerk/Finance Officer

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John Slight, Mayor

**STATEMENT OF COUNCIL PROCEEDINGS**

January 5, 2016 5:00 p.m.  
Special Budget Workshop

The City Council of Boone, Iowa, met in special session in the City Hall Council Chambers on January 5, 2016, at 5:00 p.m. with Mayor Slight presiding. The following Council Members were present: Porter, Hicks, Pikelapp, and Ray. Absent: Mallas, Nystrom, and McGinn.

Pikelapp moved, Porter seconded to approve the agenda. Ayes: Hicks, Pikelapp, Ray, Porter. Nays: none.

Pam Schwartz, Director of Boone County Historical Society, updated the Council on the CAT grant and some of the struggles that the Historical Society is trying to overcome with the maintenance of their building and funding. Schwartz also expressed her gratitude for the Council's continued support.

Nystrom joined the meeting at 5:05 p.m.

Kurt Phillips, Director of Boone County Chamber, show cased the new Boone Iowa website along with some of their goals for the upcoming year.

Mallas joined the meeting at 5:10 p.m.

Nystrom moved, Porter seconded to approve the following distribution of Hotel Motel Funds: Boone County Historical Society \$10,000; Boone Park Foundation \$5,000; Convention and Visitors Bureau \$57,000; Fourth of July \$6,000; Boone County Economic Development \$35,000; Seven Oaks Ski Patrol up to \$5,000; Ericson Public Library \$4,000. Ayes: Mallas, Hicks, Pikelapp, Nystrom, Ray, Porter. Nays: none.

There being no further business to come before the Council the meeting was adjourned at 6:14 p.m.

ATTEST:

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Ondrea Elmquist, City Clerk/Finance Officer

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John Slight, Mayor

**STATEMENT OF COUNCIL PROCEEDINGS**

January 12, 2016 6:00 p.m.  
Special Budget Workshop

The City Council of Boone, Iowa, met in special session in the City Hall Council Chambers on January 12, 2016, at 6:00 p.m. with Mayor Slight presiding. The following Council Members were present: Porter, McGinn, Hicks, Piklapp, Nystrom and Ray. Absent: Mallas.

Nelson presented budget information in regards to trends and long range budget planning.

Each Department Head had the opportunity to address the Council in regards to any major changes within their budgets from the current year. Nelson stated that the City Staff was presenting a balanced budget, however it did not include funding for Crawford Hall or any other special requests that were not pre-approved. Nelson stated if they would like to make any changes this is the time to do so. No requests were made.

Local Option Sales Tax requests were presented by each Department Head. Nelson stated that the City Staff is presenting a balance Local Option Sales Tax Budget.

Nelson presented a list of CIP projects per department and explained that majority of the projects have been hit on throughout the night whether it be through the operational budgets or the Local Option Sales Tax Budget.

Elmquist presented the Certification of Taxes and explained that what is being presented is a balanced budget with no increase or decrease in the tax levy. Elmquist stated as long as there were no requests for any changes we will not need a third meeting. No change requests were made.

There being no further business to come before the Council the meeting was adjourned at 7:39 p.m.

ATTEST:

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Ondrea Elmquist, City Clerk/Finance Officer

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John Slight, Mayor

**RECORD OF COUNCIL APPROVED BILLS**

**MALLAS**

**January 19, 2016**

<u>DATE</u>	<u>AMOUNT</u>
Airport Bills	13,096.44
Library Bills	
Park Bills	20,897.86
Manuals/Util Bills/Misc Total	2,543.79
Voided checks	
Council Bills Total	458,018.20
Payroll 01/01/16 Payroll	238,028.51
<b>TOTAL EXPENDITURES</b>	<b><u>\$ 732,584.80</u></b>

Signed By \_\_\_\_\_

Date \_\_\_\_\_

VENDOR NAME	INVOICE DESCRIPTION	INVOICE AMT	VENDOR TOTAL	CHECK#	CHECK DATE
----- ACCOUNTS PAYABLE CLAIMS -----					
A & M LAUNDRY INC	CLEANING SUPPLIES	28.51			
A & M LAUNDRY INC	SUPPLIES	28.51	57.02		
ACCESS	HUMAN SERVICE GRANT		1,750.00		
MICHAEL BRODERICK	FRC SNOW REMOVAL		504.80		
ALLIANT ENERGY	UTILITIES-PD	1,064.24			
ALLIANT ENERGY	UTILITIES-TRAFFIC LIGHTS	40,522.67			
ALLIANT ENERGY	UTILITIES-STORY ST/6TH	639.75	42,226.66		
ARLEN WILDEMAN	MILEAGE REIMBURSEMENT		44.80		
ARNOLD MOTOR SUPPLY	SPINNER LIGHTS	113.98			
ARNOLD MOTOR SUPPLY	CREDIT-PUMP RETURNED	96.89-			
ARNOLD MOTOR SUPPLY	PART-FENCE TRAILER	9.56			
ARNOLD MOTOR SUPPLY	PART-TRAILER & SHOP	23.90			
ARNOLD MOTOR SUPPLY	WELDING SUPPLIES	130.00			
ARNOLD MOTOR SUPPLY	BULBS	18.06			
ARNOLD MOTOR SUPPLY	FENCE TRAILER	80.76			
ARNOLD MOTOR SUPPLY	BRAKE CLEAN	30.00			
ARNOLD MOTOR SUPPLY	PART	26.34			
ARNOLD MOTOR SUPPLY	BELTS & LAMPS	35.47			
ARNOLD MOTOR SUPPLY	PROPANE GAS	7.08			
ARNOLD MOTOR SUPPLY	ULR ROTOR BELTS	263.55			
ARNOLD MOTOR SUPPLY	CREDIT-BELT EXCHANGE	.22-			
ARNOLD MOTOR SUPPLY	PARTS-STREET LIGHT REPAIRS	52.81			
ARNOLD MOTOR SUPPLY	EMERGENCY LIGHT BATTERY	19.82			
ARNOLD MOTOR SUPPLY	TORCH HOSE	38.19			
ARNOLD MOTOR SUPPLY	VACTOR TRUCK REPAIRS	29.01			
ARNOLD MOTOR SUPPLY	PRESSURE HOSE-#14	20.33			
ARNOLD MOTOR SUPPLY	TRANS FLUID	555.95			
ARNOLD MOTOR SUPPLY	LIGHTS FOR SPINNERS	472.64	1,830.34		
BABE RUTH	HOTEL-MOTEL GRANT		1,000.00		
BATTERY JUNCTION	BATTERIES		77.80		
BECKWITH ADULT DAY SERVICES	HUMAN SERVICE GRANT		1,250.00		
BOONE ACE HARDWARE	PARTS-SNOW PLOW	3.49			
BOONE ACE HARDWARE	ANTI-FREEZE	3.79			
BOONE ACE HARDWARE	TOLIET SEAT	19.99			
BOONE ACE HARDWARE	TRAILER CONDUIT	18.36			
BOONE ACE HARDWARE	PARTS-WATER LEAK	69.40			
BOONE ACE HARDWARE	PATCH-BOX DOOR	14.97			
BOONE ACE HARDWARE	LADDER/SUPPLIES	133.18			
BOONE ACE HARDWARE	LIGHT BULBS	79.99	343.17		
BOONE CITY PARKS FOUNDATION	HOTEL-MOTEL GRANT		2,500.00		
BOONE COUNTY COMM SERVICE	HUMAN SERVICE GRANT		2,500.00		
BOONE COUNTY ECONOMIC GROWTH	COUNTY WIDE ECONOMIC DEV		17,500.00		
BOONE COUNTY HISTORICAL SOCIET	HOTEL-MOTEL GRANT		4,000.00		
BOONE COUNTY RECORDER	RECORDING-CHAMBER	17.00			
BOONE COUNTY RECORDER	RECORDING-CHAMBER	47.00	64.00		
BOONE COUNTY RECOVERY PROGRAM	HUMAN SERVICE GRANT		1,250.00		
BOONE COUNTY TRANSPORTATION	HUMAN SERVICE GRANT		2,500.00		
BOONE HARDWARE	AIR FILTERS-QTY8	77.92			
BOONE HARDWARE	ANIMAL REPELLENT	15.99			
BOONE HARDWARE	PART-CHRISTMAS LIGHTS	7.74			
BOONE HARDWARE	PROPANE	18.99			

Open Bills

VENDOR NAME	REFERENCE	INVOICE AMT	VENDOR TOTAL	CHECK#	CHECK DATE
BOONE HARDWARE	PRIMER	12.97			
BOONE HARDWARE	POWERSTRIP/PADS	15.57			
BDONE HARDWARE	BATTERIES	5.99			
BOONE HARDWARE	2WS SWITCH	5.29			
BOONE HARDWARE	O-RINGS	1.92			
BOONE HARDWARE	PLUMBING SUPPLIES	18.47			
BOONE HARDWARE	PART	4.49			
BOONE HARDWARE	LIGHT BULBS	264.89			
BOONE HARDWARE	PAINT BRUSH	5.94			
BOONE HARDWARE	PARTS	10.74			
BDONE HARDWARE	PARTS	6.44			
BDONE HARDWARE	ICE MELT	12.98			
BOONE HARDWARE	SHELF BRKT	50.94			
BOONE HARDWARE	BRACKETS/MATERIAL GUN RACK	8.06	545.33		
BOONE NTL LITTLE LEAGUE	HOTEL-MOTEL GRANT		1,000.00		
GATEHOUSE MEDIA IOWA	SNOW REMOVAL	18.56			
GATEHOUSE MEDIA IOWA	SNOW REMOVAL	55.69			
GATEHOUSE MEDIA IOWA	P & Z NOTICE	29.61			
GATEHOUSE MEDIA IOWA	OPEN HOUSE NOTICE	63.20			
GATEHOUSE MEDIA IOWA	12-1 GOAL SETTING	27.40			
GATEHOUSE MEDIA IDWA	12-7 COUNCIL PROCEEDS	171.50			
GATEHOUSE MEDIA IOWA	SALE OF PROP NOTICE	19.89	385.85		
BOONE YMCA	HUMAN SERVICE GRANT		1,500.00		
BREKKE & MATHER	REPLACE OVERHEAD DOOR-PD		538.00		
CDS GLOBAL	POSTAGE	2,161.80			
CDS GLOBAL	MONTHLY PROCESSING	1,975.93	4,137.73		
CENTURYLINK	TELEPHONE-PD		532.25		
CONGREGATE MEALS	HUMAN SERVICE GRANT		1,000.00		
CULLIGAN OF BOONE	WATER FOR LAB TESTS		103.10		
DEZURIK WATER CONTROLS	SEAL KIT		3,570.00		
DOLLAR GENERAL-CHARGED SALES	CALENDARS	4.00			
DOLLAR GENERAL-CHARGED SALES	CLEANING SUPPLIES	37.00	41.00		
ECOLAB INC	PEST CONTROL-WW		88.49		
FAREWAY STORES INC	RETIREEES DINNER		99.28		
FBG SERVICE CORPORATION	JANUARY CLEANING SERVICE-CITY		744.00		
FOSTER GRANDPARENT PROGRAM	HUMAN SERVICE GRANT		1,500.00		
FOTH INFRASTRUCTURE	MARION STREET RECONSTRUCTION		17,635.00		
GALLS LLC	BALLASTIC VEST-PALMER		646.25		
GRAYMONT WESTERN LIME INC	LIME		3,857.87		
HEART OF IA	HUMAN SERVICE GRANT		1,500.00		
HACH COMPANY	LAB CHEMICALS	154.58			
HACH COMPANY	LAB TEST CHEMICALS	34.35	188.93		
HAWKINS WATER TREATMENT GROUP	CHLORINE AND PHOSPHATE		2,438.20		
DJR HOLDING CORP	O-RING		5.00		
HOME CARE AID	HUMAN SERVICE GRANT		1,000.00		
HOUSTON & SEEMAN P C	FY2015 AUDIT		7,800.00		
HULL PLUMBING AND HEATING	REPAIRS-BOILER CITY HALL		184.53		
IOWA DEPT TRANSPORTATION	CLEANING SUPPLIES		76.00		
IA NATURAL HERITAGE FOUNDATION	HOTEL-MOTEL GRANT		2,500.00		
INFOBUNKER LLC	LINE OF SIGHT INTERNET SERVICE		88.00		
INFOMAX OFFICE SYSTEMS INC	CITY HALL PRINTING CONTRACT		566.81		
INLAND TRUCK PARTS COMPANY	CABLE		137.84		
JIMMY'S BARBEQUE PIT	BUDGET MEETING		150.00		
KEYSTONE LABORATORIES INC	LAB TESTS		233.40		

VENDOR NAME	REFERENCE	INVOICE AMT	VENDOR TOTAL	CHECK#	CHECK DATE
KWBG	ADV CONTRACT-JANUARY		334.95		
L-TRON CORPORATION	PAPER FOR CAR COMPUTERS		162.00		
MARTIN MARIETTA MATERIALS	GRAVEL ROAD/ALLEY MAINT	412.60			
MARTIN MARIETTA MATERIALS	GRAVEL ROAD/ALLEY MAINT	411.65			
MARTIN MARIETTA MATERIALS	GRAVEL ROAD/ALLEY MAINT	636.47			
MARTIN MARIETTA MATERIALS	GRAVEL ROAD/ALLEY MAINT	1,207.13			
MARTIN MARIETTA MATERIALS	GRAVEL ROAD/ALLEY MAINT	1,079.54			
MARTIN MARIETTA MATERIALS	ALLEY/GRAVEL ROAD MAINTENANCE	584.66	4,332.05		
ROGER & JANE MARTIN	GAS/DIESEL		7,014.79		
MARTINS FLAG COMPANY	FLAGS/ROPE CITY HALL		204.63		
MEALS ON WHEELS	HUMAN SERVICE GRANT		1,000.00		
MEDTRAK SERVICES	411 PRESCRIPTIONS		1,471.97		
METTLER TOLEDO LLC	LAB EQUIPMENT CALIBRATION		387.00		
MIDWEST RADAR & EQUIPMENT	FIX RADAR UNIT		64.00		
MOFFITT'S INC	BRAKE CONTROLLER-UNIT 5		135.02		
MOLITOR CONSTRUCTION	HAULING SNOW		2,430.00		
MUNICIPAL SUPPLY CO	WATER MAIN PARTS	912.00			
MUNICIPAL SUPPLY CO	WATER MAIN PARTS-W 8TH	217.64	1,129.64		
NATHAN KESTER	CLOTHING ALLOWANCE-KESTER		189.22		
NETWORKFLEET INC	TRUCK GPS		242.45		
O'HALLORAN INTERNATIONAL	DOORLATCH-#33		121.15		
O'REILLY AUTOMOTIVE STORES INC	TOOLS		8.99		
OFFICE OF AUDITOR OF STATE	FY2015 AUDIT FEE		625.00		
PREMIER COPIERS PRINTERS	PRINTER CONTRACT-PW		39.44		
PRITCHARD BROS PLUMBING	FURNACE CHECK-PD		190.85		
PROBUILD NORTH LLC	MATERIAL FOR GUN RACK	11.92			
PROBUILD NORTH LLC	MATERIAL FOR GUN RACK	19.51	31.43		
PUBLIC HEALTH NURSING	HUMAN SERVICE GRANT		1,250.00		
QUICK OIL CO	PROPANE	837.43			
QUICK OIL CO	PROPANE	603.73			
QUICK OIL CO	PROPANE	934.80	2,375.96		
R.S.V.P.	HUMAN SERVICE GRANT		2,500.00		
RED ROCK AREA COM ACTION	HUMAN SERVICE GRANT		2,115.00		
REMAX	UB OVERPAYMENT		15.10		
RHETT VINTON CLAYTON	MAILBOX CLAIM		25.00		
SMALL MIRACLES PRESCHOOL	HUMAN SERVICE GRANT		760.00		
STATE HYGIENIC LABORATORY	LAB TEST		787.00		
J & J RESTAURANTS LLC	BUDGET MEETING		87.77		
TOTAL CHOICE SHIPPING	POSTAGE	26.81			
TOTAL CHOICE SHIPPING	POSTAGE	24.94			
TOTAL CHOICE SHIPPING	SHIPPING	11.06	62.81		
TRANS IOWA EQUIPMENT	2016 VACTOR TRUCK	289,911.50			
TRANS IOWA EQUIPMENT	CLAMPS JET TRUCK	126.34	290,037.84		
VERIZON WIRELESS SERVICES LLC	WIRELESS SERVICE	280.09			
VERIZON WIRELESS SERVICES LLC	INTERNET-WW	40.01	320.10		
VISIONBANK OF IOWA	NAME PLATES-QTY 3	461.57			
VISIONBANK OF IOWA	CR-FAIRFIELD DBL CHG	45.30			
VISIONBANK OF IOWA	RISE MEET-NELSON	18.60	525.47		
WALTERS SANITARY SERVICE INC	WASTE REMOVAL-WATER	156.00			
WALTERS SANITARY SERVICE INC	WASTE REMOVAL-SEWER	194.12	350.12		
YOUTH & FAMILY COUNSELING CENT	HUMAN SERVICE GRANT		1,500.00		
YOUTH & SHELTER SERVICES, INC.	HUMAN SERVICE GRANT		1,000.00		

VENDOR NAME	REFERENCE	INVOICE AMT	VENDOR TOTAL	CHECK#	CHECK DATE
**** OPEN . TOTAL ****			458,018.20		
***** REPORT TOTAL *****			<u>458,018.20</u>		

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
5 A & M LAUNDRY INC							
1605764	1	001	1/19/2016	SUPPLIES	28.51	001-150-6399	LAUNDRY
1607585	1	001	1/19/2016	SUPPLIES	28.51	001-150-6399	LAUNDRY
** VENDOR TOTAL **					57.02	.00	57.02
45 ALLIANT ENERGY							
011916000	1	001	1/19/2016	UTILITIES-PD	1064.24	001-110-6371	UTILITIES
011916001	1	110	1/19/2016	UTILITIES-TRAFFIC LIGHTS	333.46	110-240-6371	TRAFFIC UTILITIES
011916001	2	110	1/19/2016	UTILITIES-STREET LIGHTS	12630.85	110-230-6371	STREET LIGHTING
011916001	3	001	1/19/2016	UTILITIES-SIRENS	40.71	001-620-6371	UTILITIES/SIRENS/CIVIL DF
011916001	4	001	1/19/2016	UTILITIES-POOL	208.35	001-435-6371	UTILITIES
011916001	5	001	1/19/2016	UTILITIES-CITY HALL	2911.57	001-650-6371	UTILITIES
011916001	6	110	1/19/2016	UTILITIES-CITY SHED	852.18	110-210-6371	UTILITIES
011916001	7	600	1/19/2016	UTILITIES-WATER	13079.30	600-811-6371	UTILITIES
011916001	8	610	1/19/2016	UTILITIES-SEWER	10139.06	610-816-6371	UTILITIES
011916001	9	001	1/19/2016	UTILITIES-CEMETERY	327.19	001-450-6371	UTILITIES
** TOTAL **					40522.67	.00	40522.67
011916002	1	110	1/19/2016	UTILITIES-STORY ST/6TH	97.40	110-240-6371	TRAFFIC UTILITIES
011916002	2	110	1/19/2016	UTILITIES-8TH ST ALLEY	520.78	110-230-6371	STREET LIGHTING
011916002	3	001	1/19/2016	UTILITIES-211 MAIN ST	21.57	001-620-6371	UTILITIES/SIRENS/CIVIL DF
** TOTAL **					639.75	.00	639.75
** VENDOR TOTAL **					42226.66	.00	42226.66
86 ARNOLD MOTOR SUPPLY							
13-379711	1	110	1/19/2016	SPINNER LIGHTS	113.98	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-288425	1	110	1/19/2016	CREDIT-PUMP RETURNED	96.89	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-288655	1	110	1/19/2016	PART-FENCE TRAILER	9.56	110-210-6599	SUPPLIES
8-288656	1	110	1/19/2016	PART-TRAILER & SHOP	23.90	110-210-6599	SUPPLIES
8-288875	1	110	1/19/2016	WELDING SUPPLIES	130.00	110-210-6599	SUPPLIES
8-289111	1	110	1/19/2016	BULBS	18.06	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-289123	1	110	1/19/2016	FENCE TRAILER	80.76	110-210-6727	EQUIPMENT
8-289127	1	110	1/19/2016	BRAKE CLEAN	30.00	110-210-6599	SUPPLIES
8-289195	1	110	1/19/2016	PART	26.34	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-289490	1	600	1/19/2016	BELTS & LAMPS	35.47	600-811-6350	REPAIRS
8-289663	1	610	1/19/2016	PROPANE GAS	7.08	610-816-6331	GAS/OIL
8-289665	1	610	1/19/2016	ULR ROTOR BELTS	263.55	610-816-6350	REPAIRS

Open Bills

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
-----							
86 ARNOLD MOTOR SUPPLY							
8-289728	1	600	1/19/2016	CREDIT-BELT EXCHANGE	.22	600-811-6350	REPAIRS
8-289926	1	110	1/19/2016	PARTS-STREET LIGHT REPAIRS	52.81	110-240-6350	TRAFFIC REPAIRS
8-290262	1	600	1/19/2016	EMERGENCY LIGHT BATTERY	19.82	600-811-6350	REPAIRS
8-290365	1	110	1/19/2016	TORCH HOSE	38.19	110-210-6599	SUPPLIES
8-290404	1	110	1/19/2016	VACTOR TRUCK REPAIRS	29.01	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-290473	1	110	1/19/2016	PRESSURE HOSE-#14	20.33	110-210-6350	REPAIRS-EQUIP/MECHANIC
8-290485	1	110	1/19/2016	TRANS FLUID	555.95	110-210-6331	GAS & OIL
8-290730	1	110	1/19/2016	LIGHTS FOR SPINNERS	472.64	110-210-6350	REPAIRS-EQUIP/MECHANIC
				** VENDOR TOTAL **	1830.34	.00	1830.34
166 BOONE COUNTY HISTORICAL S							
011916000	1	003	1/19/2016	HOTEL-MOTEL GRANT	4000.00	003-520-6430	HISTORICAL SOCIETY
				** VENDOR TOTAL **	4000.00	.00	4000.00
173 BOONE COUNTY COMM SERVICE							
011916000	1	121	1/19/2016	HUMAN SERVICE GRANT	2500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	2500.00	.00	2500.00
178 BOONE COUNTY RECORDER							
154703	1	001	1/19/2016	RECORDING-CHAMBER	17.00	001-620-6405	RECORDING/COURT FEES
154704	1	001	1/19/2016	RECORDING-CHAMBER	47.00	001-620-6405	RECORDING/COURT FEES
				** VENDOR TOTAL **	64.00	.00	64.00
180 BOONE COUNTY TRANSPORTATI							
011916000	1	121	1/19/2016	HUMAN SERVICE GRANT	2500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	2500.00	.00	2500.00
183 YOUTH & FAMILY COUNSELING							
011916000	1	121	1/19/2016	HUMAN SERVICE GRANT	1500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1500.00	.00	1500.00
215 BOONE CITY PARKS FOUNDATI							
011916000	1	003	1/19/2016	HOTEL-MOTEL GRANT	2500.00	003-430-6599	PARK PROJECTS
				** VENDOR TOTAL **	2500.00	.00	2500.00
219 BOONE COUNTY RECOVERY PRO							

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
011916000	1	121	1/19/2016	219 BOONE COUNTY RECOVERY PRO HUMAN SERVICE GRANT	1250.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1250.00	.00	1250.00
8389	1	001	1/19/2016	232 BREKKE & MATHER REPLACE OVERHEAD DOOR-PD	538.00	001-110-6399	BUILDING MAINT/REPAIR
				** VENDOR TOTAL **	538.00	.00	538.00
1240	1	001	1/19/2016	361 THE COLORADO GRILL BUDGET MEETING	87.77	001-620-6230	TRAINING/GOAL SETTING
				** VENDOR TOTAL **	87.77	.00	87.77
011916000	1	610	1/19/2016	422 CULLIGAN WATER CONDITIONI WATER FOR LAB TESTS	103.10	610-816-6490	LAB TESTS
				** VENDOR TOTAL **	103.10	.00	103.10
6911679	1	610	1/19/2016	540 ECOLAB PEST ELIMINATION PEST CONTROL	88.49	610-816-6495	SERVICE/PEST CONTROL
				** VENDOR TOTAL **	88.49	.00	88.49
011916000	1	168	1/19/2016	584 FAREWAY STORES INC RETIREEES DINNER	99.28	168-150-6499	FIRE TRUST ACCOUNT
				** VENDOR TOTAL **	99.28	.00	99.28
3820883	1	600	1/19/2016	595 HAWKINS WATER TREATMENT G CHLORINE AND PHOSPHATE	2438.20	600-811-6501	CHEMICALS
				** VENDOR TOTAL **	2438.20	.00	2438.20
004637086	1	121	1/19/2016	645 GALLS INC BALLASTIC VEST-PALMER	646.25	121-110-6504	POLICE/MISC
				** VENDOR TOTAL **	646.25	.00	646.25
9721538	1	600	1/19/2016	702 HACH COMPANY LAB CHEMICALS	154.58	600-811-6350	REPAIRS
9725703	1	600	1/19/2016	LAB TEST CHEMICALS	34.35	600-811-6501	CHEMICALS
				** VENDOR TOTAL **	188.93	.00	188.93
011916000	1	121	1/19/2016	774 HOME CARE SERVICES HUMAN SERVICE GRANT	1000.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1000.00	.00	1000.00
				802 STATE HYGIENIC LABORATORY			

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
72722	1	600	1/19/2016	802 STATE HYGIENIC LABORATORY LAB TEST	787.00	600-811-6490	LAB ANALYSIS - STATE
				** VENDOR TOTAL **	787.00	.00	787.00
30308	1	001	1/19/2016	848 IA DEPT OF TRANSPORTATION CLEANING SUPPLIES	76.00	001-650-6599	MISCELLANEOUS
				** VENDOR TOTAL **	76.00	.00	76.00
2-60678	1	110	1/19/2016	868 INLAND TRUCK PARTS COMPAN CABLE	137.84	110-210-6350	REPAIRS-EQUIP/MECHANIC
				** VENDOR TOTAL **	137.84	.00	137.84
1Y10846	1	610	1/19/2016	1022 KEYSTONE LABORATORIES INC LAB TESTS	233.40	610-816-6490	LAB TESTS
				** VENDOR TOTAL **	233.40	.00	233.40
011916000	1	001	1/19/2016	1057 KWBG ADV CONTRACT-JANUARY	167.48	001-620-6414	PUBLICATIONS
011916000	2	110	1/19/2016	ADV CONTRACT-JANUARY	167.47	110-211-6414	PUBLICATIONS (RADIO/PAPER)
				** TOTAL **	334.95	.00	334.95
				** VENDOR TOTAL **	334.95	.00	334.95
16683775	1	110	1/19/2016	1167 MARTIN MARIETTA MATERIALS GRAVEL ROAD/ALLEY MAINT	412.60	110-210-6507	GRAVEL
16697723	1	110	1/19/2016	GRAVEL ROAD/ALLEY MAINT	411.65	110-210-6507	GRAVEL
16720103	1	110	1/19/2016	GRAVEL ROAD/ALLEY MAINT	636.47	110-210-6507	GRAVEL
16746866	1	110	1/19/2016	GRAVEL ROAD/ALLEY MAINT	1207.13	110-210-6507	GRAVEL
16770017	1	110	1/19/2016	GRAVEL ROAD/ALLEY MAINT	1079.54	110-210-6507	GRAVEL
16806002	1	110	1/19/2016	ALLEY/GRAVEL ROAD MAINTENANC	584.66	110-210-6507	GRAVEL
				** VENDOR TOTAL **	4332.05	.00	4332.05
011916000	1	110	1/19/2016	1168 MARTIN OIL GAS/DIESEL	2390.87	110-210-6331	GAS & OIL
011916000	2	600	1/19/2016	GAS/DIESEL	428.30	600-811-6331	GAS AND OIL
011916000	3	600	1/19/2016	GAS/DIESEL	428.59	600-812-6331	GAS & OIL
011916000	4	001	1/19/2016	GAS/DIESEL	109.79	001-170-6331	GAS & OIL
011916000	5	001	1/19/2016	GAS/DIESEL	315.18	001-430-6331	GAS & OIL
011916000	6	001	1/19/2016	GAS/DIESEL	160.65	001-450-6331	GAS & OIL
011916000	7	001	1/19/2016	GAS/DIESEL	2308.02	001-110-6331	GAS & OIL
011916000	8	001	1/19/2016	GAS/DIESEL	476.28	001-150-6331	GAS & OIL
011916000	9	610	1/19/2016	GAS/DIESEL	192.79	610-817-6331	GAS AND OIL

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
011916000	10	610	1/19/2016	1168 MARTIN OIL GAS/DIESEL	204.32	610-816-6331	GAS/OIL
				** TOTAL **	7014.79	.00	7014.79
				** VENDOR TOTAL **	7014.79	.00	7014.79
361	1	001	1/19/2016	1169 MARTINS FLAG COMPANY FLAGS/ROPE CITY HALL	204.63	001-650-6599	MISCELLANEOUS
				** VENDOR TOTAL **	204.63	.00	204.63
011916000	1	121	1/19/2016	1206 MEALS ON WHEELS HUMAN SERVICE GRANT	1000.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1000.00	.00	1000.00
011916000	1	610	1/19/2016	1223 METTLER TOLEDO LLC LAB EQUIPMENT CALIBRATION	387.00	610-816-6599	MISCELLANEOUS
				** VENDOR TOTAL **	387.00	.00	387.00
0014960	1	001	1/19/2016	1251 MIDWEST RADAR & EQUIPMENT FIX RADAR UNIT	64.00	001-110-6332	REPAIRS/CARS
				** VENDOR TOTAL **	64.00	.00	64.00
59411	1	110	1/19/2016	1279 MOFFITTS INC BRAKE CONTROLLER-UNIT 5	135.02	110-210-6350	REPAIRS-EQUIP/MECHANIC
				** VENDOR TOTAL **	135.02	.00	135.02
0610008-IN	1	600	1/19/2016	1297 MUNICIPAL SUPPLY COMPANY WATER MAIN PARTS	912.00	600-812-6350	MAIN & VALVE WORK
0610571-IN	1	600	1/19/2016	WATER MAIN PARTS-W 8TH	217.64	600-812-6350	MAIN & VALVE WORK
				** VENDOR TOTAL **	1129.64	.00	1129.64
0351147588	1	110	1/19/2016	1349 O'REILLY AUTOMOTIVE STORE TOOLS	8.99	110-210-6599	SUPPLIES
				** VENDOR TOTAL **	8.99	.00	8.99
X100219965	1	110	1/19/2016	1356 O'HALLORAN INTERNATIONAL DOORLATCH-#33	121.15	110-210-6350	REPAIRS-EQUIP/MECHANIC
				** VENDOR TOTAL **	121.15	.00	121.15
011916000	1	001	1/19/2016	1404 HOUSTON & SEEMAN P C FY2015 AUDIT	1950.00	001-620-6401	AUDIT/CITY BUDGET
011916000	2	600	1/19/2016	FY2015 AUDIT	1950.00	600-810-6401	AUDIT
011916000	3	610	1/19/2016	FY2015 AUDIT	1950.00	610-815-6401	AUDIT

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
011916000	4	110	1/19/2016	1404 HOUSTON & SEEMAN P C FY2015 AUDIT	1950.00	110-211-6401	AUDIT
				** TOTAL **	7800.00	.00	7800.00
				** VENDOR TOTAL **	7800.00	.00	7800.00
14238	1	001	1/19/2016	1440 PRITCHARD BROS PLUMBING FURNACE CHECK-PD	190.85	001-110-6399	BUILDING MAINT/REPAIR
				** VENDOR TOTAL **	190.85	.00	190.85
011916000	1	001	1/19/2016	1454 CENTURYLINK TELEPHONE-PD	74.00	001-110-6373	TELEPHONE
011916000	2	001	1/19/2016	SIRENS	216.75	001-620-6373	TELEPHONE
011916000	3	600	1/19/2016	SCADA	241.50	600-812-6499	WATER TOWER MAINTENANCE
				** TOTAL **	532.25	.00	532.25
				** VENDOR TOTAL **	532.25	.00	532.25
011916000	1	121	1/19/2016	1456 R S V P HUMAN SERVICE GRANT	2500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	2500.00	.00	2500.00
011916000	1	121	1/19/2016	1483 RED ROCK AREA COMM ACTION HUMAN SERVICE GRANT	2115.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	2115.00	.00	2115.00
6150090	1	362	1/19/2016	1764 TRANS IA EQUIPMENT 2016 VACTOR TRUCK	289911.50	362-210-6505	RUT EQUIPMENT
17160276	1	610	1/19/2016	CLAMPS JET TRUCK	126.34	610-817-6505	EQUIPMENT
				** VENDOR TOTAL **	290037.84	.00	290037.84
9757894144	1	001	1/19/2016	1822 VERIZON WIRELESS WIRELESS SERVICE	280.09	001-110-6373	TELEPHONE
9757945928	1	600	1/19/2016	INTERNET-WW	40.01	600-811-6373	TELEPHONE
				** VENDOR TOTAL **	320.10	.00	320.10
5CX60803	1	600	1/19/2016	1848 WALTERS SANITARY SERVICE WASTE REMOVAL-WATER	156.00	600-811-6372	LANDFILL/USERS FEES
5CX60804	1	610	1/19/2016	WASTE REMOVAL-SEWER	194.12	610-816-6372	LANDFILL/USERS FEES
				** VENDOR TOTAL **	350.12	.00	350.12
011916000	1	600	1/19/2016	1890 ARLEN WILDEMAN MILEAGE REIMBURSEMENT	44.80	600-811-6490	LAB ANALYSIS - STATE

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
1890 ARLEN WILDEMAN							
** VENDOR TOTAL **					44.80	.00	44.80
011916000	1	121	1/19/2016	1919 YOUTH & SHELTER SERVICES HUMAN SERVICE GRANT	1000.00	121-399-6430	HUMAN SERVICES/LOT
** VENDOR TOTAL **					1000.00	.00	1000.00
6567	1	001	1/19/2016	1953 HULL PLUMBING & HEATING REPAIRS-BOILER CITY HALL	184.53	001-650-6310	REPAIRS
** VENDOR TOTAL **					184.53	.00	184.53
93286	1	730	1/19/2016	1963 BOONE HARDWARE AIR FILTERS-QTY8	77.92	730-899-6599	SUPPLIES
933066	1	001	1/19/2016	ANIMAL REPELLENT	15.99	001-450-6599	SUPPLIES
933317	1	110	1/19/2016	PART-CHRISTMAS LIGHTS	7.74	110-210-6499	MISC CONTRACT WORK
934209	1	600	1/19/2016	PROPANE	18.99	600-812-6599	SUPPLIES
934696	1	600	1/19/2016	PRIMER	12.97	600-811-6350	REPAIRS
935210	1	001	1/19/2016	POWERSTRIP/PADS	15.57	001-150-6599	MISC/SUPPLIES
935303	1	600	1/19/2016	BATTERIES	5.99	600-812-6599	SUPPLIES
935337	1	001	1/19/2016	2WS SWITCH	5.29	001-110-6599	POLICE EQUIP/SUPPLIES
935359	1	600	1/19/2016	O-RINGS	1.92	600-811-6350	REPAIRS
935703	1	600	1/19/2016	PLUMBING SUPPLIES	18.47	600-812-6599	SUPPLIES
936150	1	600	1/19/2016	PART	4.49	600-812-6599	SUPPLIES
936276	1	001	1/19/2016	LIGHT BULBS	264.89	001-650-6310	REPAIRS
936294	1	110	1/19/2016	PAINT BRUSH	5.94	110-210-6499	MISC CONTRACT WORK
936367	1	110	1/19/2016	PARTS	10.74	110-240-6350	TRAFFIC REPAIRS
936388	1	110	1/19/2016	PARTS	6.44	110-210-6599	SUPPLIES
936605	1	001	1/19/2016	ICE MELT	12.98	001-430-6321	BUILDINGS & GROUNDS
937133	1	001	1/19/2016	SHELF BRKT	50.94	001-110-6599	POLICE EQUIP/SUPPLIES
937209	1	001	1/19/2016	BRACKETS/MATERIAL GUN RACK	8.06	001-110-6599	POLICE EQUIP/SUPPLIES
** VENDOR TOTAL **					545.33	.00	545.33
2042 CONGREGATE MEALS							

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
011916000	1	121	1/19/2016	2042 CONGREGATE MEALS HUMAN SERVICE GRANT	1000.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1000.00	.00	1000.00
011916000	1	121	1/19/2016	2043 PUBLIC HEALTH NURSING HUMAN SERVICE GRANT	1250.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1250.00	.00	1250.00
011916000	1	121	1/19/2016	2048 ACCESS HUMAN SERVICE GRANT	1750.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1750.00	.00	1750.00
011916000	1	121	1/19/2016	2049 FOSTER GRANDPARENT PROGRA HUMAN SERVICE GRANT	1500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1500.00	.00	1500.00
72902	1	110	1/19/2016	2129 TOTAL CHOICE SHIPPING POSTAGE	26.81	110-240-6350	TRAFFIC REPAIRS
72912	1	600	1/19/2016	POSTAGE	24.94	600-811-6490	LAB ANALYSIS - STATE
73042	1	600	1/19/2016	SHIPPING	11.06	600-811-6490	LAB ANALYSIS - STATE
				** VENDOR TOTAL **	62.81	.00	62.81
011916000	1	110	1/19/2016	2146 OFFICE OF AUDITOR OF STAT FY2015 AUDIT FEE	156.25	110-211-6401	AUDIT
011916000	2	600	1/19/2016	FY2015 AUDIT FEE	156.25	600-810-6401	AUDIT
011916000	3	610	1/19/2016	FY2015 AUDIT FEE	156.25	610-815-6401	AUDIT
011916000	4	001	1/19/2016	FY2015 AUDIT FEE	156.25	001-620-6401	AUDIT/CITY BUDGET
				** TOTAL **	625.00	.00	625.00
				** VENDOR TOTAL **	625.00	.00	625.00
011916000	1	121	1/19/2016	2231 SMALL MIRACLES PRESCHOOL HUMAN SERVICE GRANT	760.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	760.00	.00	760.00
011916000	1	001	1/19/2016	2388 NATHAN KESTER CLOTHING ALLOWANCE-KESTER	189.22	001-110-6181	CLOTHING ALLOWANCE
				** VENDOR TOTAL **	189.22	.00	189.22
115071	1	110	1/19/2016	2396 HEARTLAND TIRE & AUTO O-RING	5.00	110-210-6350	REPAIRS-EQUIP/MECHANIC
				** VENDOR TOTAL **	5.00	.00	5.00

2543 BABE RUTH

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
011916000	1	003	1/19/2016	2543 BABE RUTH HOTEL-MOTEL GRANT	1000.00	003-520-6440	BABE RUTH
				** VENDOR TOTAL **	1000.00	.00	1000.00
011916000	1	121	1/19/2016	2684 BOONE YMCA HUMAN SERVICE GRANT	1500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1500.00	.00	1500.00
011916000	1	121	1/19/2016	2688 HABITAT FOR HUMANITY OF B HUMAN SERVICE GRANT	1500.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1500.00	.00	1500.00
039079/2	1	110	1/19/2016	2706 BOONE ACE HARDWARE PARTS-SNOW PLOW	3.49	110-210-6350	REPAIRS-EQUIP/MECHANIC
039184/2	1	600	1/19/2016	ANTI-FREEZE	3.79	600-812-6599	SUPPLIES
039218/2	1	001	1/19/2016	TOLIET SEAT	19.99	001-150-6310	BUILDING MAINTENANCE
039248/2	1	110	1/19/2016	TRAILER CONDUIT	18.36	110-210-6727	EQUIPMENT
039273/2	1	600	1/19/2016	PARTS-WATER LEAK	69.40	600-811-6350	REPAIRS
039324/2	1	110	1/19/2016	PATCH-BOX DDOR	14.97	110-210-6599	SUPPLIES
039359/2	1	001	1/19/2016	LADDER/SUPPLIES	133.18	001-110-6599	POLICE EQUIP/SUPPLIES
039436/2	1	001	1/19/2016	LIGHT BULBS	79.99	001-110-6599	POLICE EQUIP/SUPPLIES
				** VENDOR TOTAL **	343.17	.00	343.17
1000471721	1	001	1/19/2016	2742 DOLLAR GENERAL CALENDARS	4.00	001-620-6506	SUPPLIES/OFFICE
1000478093	1	001	1/19/2016	CLEANING SUPPLIES	37.00	001-110-6506	SUPPLIES/OFFICE
				** VENDOR TOTAL **	41.00	.00	41.00
849411	1	600	1/19/2016	2801 DEZURIK WATER CONTROLS SEAL KIT	3570.00	600-811-6350	REPAIRS
				** VENDOR TOTAL **	3570.00	.00	3570.00
011916000	1	121	1/19/2016	2821 BECKWITH ADULT DAY SERVIC HUMAN SERVICE GRANT	1250.00	121-399-6430	HUMAN SERVICES/LOT
				** VENDOR TOTAL **	1250.00	.00	1250.00

2855 FBG SERVICE CORP

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
761634	1	001	1/19/2016	2855 FBG SERVICE CORP JANUARY CLEANING SERVICE-CIT	744.00	001-650-6409	CITY HALL CLEANING
				** VENDOR TOTAL **	744.00	.00	744.00
14303	1	600	1/19/2016	2861 QUICK OIL COMPANY PROPANE	837.43	600-811-6379	PROPANE
34224	1	600	1/19/2016	PROPANE	603.73	600-811-6379	PROPANE
5340	1	600	1/19/2016	PROPANE	934.80	600-811-6379	PROPANE
				** VENDOR TOTAL **	2375.96	.00	2375.96
46668	1	376	1/19/2016	2867 FOTH ENGINEERING ALLIANCE MARION STREET RECONSTRUCTION	1735.00	376-210-6407	MARION ST ENGINEERING
46668	2	378	1/19/2016	CRAWFORD STREET RECONSTRUCTI	15900.00	378-750-6407	CRAWFORD ST ENGINEERING
				** TOTAL **	17635.00	.00	17635.00
				** VENDOR TOTAL **	17635.00	.00	17635.00
669198	1	001	1/19/2016	2975 PROBUILD NORTH LLC MATERIAL FOR GUN RACK	11.92	001-110-6599	POLICE EQUIP/SUPPLIES
669200	1	001	1/19/2016	MATERIAL FOR GUN RACK	19.51	001-110-6599	POLICE EQUIP/SUPPLIES
				** VENDOR TOTAL **	31.43	.00	31.43
9350	1	110	1/19/2016	3132 MOLITOR CONSTRUCTION HAULING SNOW	2430.00	110-210-6499	MISC CONTRACT WORK
				** VENDOR TOTAL **	2430.00	.00	2430.00
12311503	1	730	1/19/2016	3135 ALL SEASON CARE FRC SNOW REMOVAL	504.80	730-899-6499	SERVICES
				** VENDOR TOTAL **	504.80	.00	504.80
65689RI	1	600	1/19/2016	3423 GRAYMONT CAPITAL INC LIME	3857.87	600-811-6501	CHEMICALS
				** VENDOR TOTAL **	3857.87	.00	3857.87
1486-32	1	001	1/19/2016	3497 JIMMY'S BARBEQUE PIT BUDGET MEETING	150.00	001-620-6230	TRAINING/GOAL SETTING
				** VENDOR TOTAL **	150.00	.00	150.00
1512d0150-	1	600	1/19/2016	3506 CDS GLOBAL POSTAGE	1080.90	600-810-6499	UB OUTSOURCING
1512d0150-	2	610	1/19/2016	POSTAGE	1080.90	610-815-6499	UB OUTSOURCING
				** TOTAL **	2161.80	.00	2161.80

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
3506 CDS GLOBAL							
1512D150	1	600	1/19/2016	MONTHLY PROCESSING	867.96	600-810-6499	UB OUTSOURCING
1512D150	2	610	1/19/2016	MONTHLY PROCESSING	867.97	610-815-6499	UB OUTSOURCING
1512D150	3	001	1/19/2016	NEWSLETTER	120.00	001-620-6414	PUBLICATIONS
1512D150	4	110	1/19/2016	NEWSLETTER	120.00	110-211-6414	PUBLICATIONS (RADIO/PAPER)
** TOTAL **					1975.93	.00	1975.93
** VENDOR TOTAL **					4137.73	.00	4137.73
3511 L-TRON CORPORATION							
650189	1	001	1/19/2016	PAPER FOR CAR COMPUTERS	162.00	001-110-6506	SUPPLIES/OFFICE
** VENDOR TOTAL **					162.00	.00	162.00
3642 IA NATURAL HERITAGE FOUND							
011916000	1	003	1/19/2016	HOTEL-MOTEL GRANT	2500.00	003-520-6499	PROJECTS
** VENDOR TOTAL **					2500.00	.00	2500.00
3650 INFOBUNKER LLC							
1048-1558	1	001	1/19/2016	LINE OF SIGHT INTERNET SERVI	9.00	001-620-6373	TELEPHONE
1048-1558	2	001	1/19/2016	LINE OF SIGHT INTERNET SERVI	4.00	001-280-6371	UTILITIES
1048-1558	3	730	1/19/2016	LINE OF SIGHT INTERNET SERVI	9.00	730-899-6371	UTILITIES/FAMILY RESOURCE
1048-1558	4	001	1/19/2016	LINE OF SIGHT INTERNET SERVI	49.00	001-410-6499	COMPUTERS/TECHNOLOGY
1048-1558	5	610	1/19/2016	LINE OF SIGHT INTERNET SERVI	4.00	610-816-6373	TELEPHONE
1048-1558	6	110	1/19/2016	LINE OF SIGHT INTERNET SERVI	4.00	110-211-6373	TELEPHONE
1048-1558	7	001	1/19/2016	LINE OF SIGHT INTERNET SERVI	9.00	001-110-6373	TELEPHONE
** TOTAL **					88.00	.00	88.00
** VENDOR TOTAL **					88.00	.00	88.00
3658 INFOMAX OFFICE SYSTEMS							
18098928	1	001	1/19/2016	CITY HALL PRINTING CONTRACT	30.66	001-170-6506	SUPPLIES/OFFICE
18098928	2	001	1/19/2016	CITY HALL PRINTING CONTRACT	49.60	001-620-6599	MISC/MAINTENANCE AGREMNT
18098928	3	600	1/19/2016	CITY HALL PRINTING CONTRACT	218.39	600-810-6506	SUPPLIES/OFFICE
18098928	4	610	1/19/2016	CITY HALL PRINTING CONTRACT	218.39	610-815-6506	SUPPLIES/OFFICE
18098928	5	110	1/19/2016	CITY HALL PRINTING CONTRACT	49.77	110-211-6506	SUPPLIES/OFFICE
** TOTAL **					566.81	.00	566.81
** VENDOR TOTAL **					566.81	.00	566.81
3664 BOONE NEWS REPUBLICAN							
011916000	1	001	1/19/2016	SNOW REMOVAL	18.56	001-198-6498	WEED/SNOW
0621465	1	001	1/19/2016	SNOW REMOVAL	55.69	001-198-6498	WEED/SNOW
670950	1	001	1/19/2016	P & Z NOTICE	29.61	001-170-6599	PLAN & ZONING ADMINIS
681537	1	001	1/19/2016	OPEN HOUSE NOTICE	63.20	001-620-6414	PUBLICATIONS
682038	1	001	1/19/2016	12-1 GOAL SETTING	27.40	001-620-6414	PUBLICATIONS

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
688886	1	001	1/19/2016	3664 BOONE NEWS REPUBLICAN 12-7 COUNCIL PROCEEDS	171.50	001-620-6414	PUBLICATIONS
689808	1	001	1/19/2016	SALE OF PROP NOTICE	19.89	001-620-6414	PUBLICATIONS
				** VENDOR TOTAL **	385.85	.00	385.85
OSV0000003	1	110	1/19/2016	3693 NETWORKFLEET INC TRUCK GPS	242.45	110-210-6371	UTILITIES
				** VENDOR TOTAL **	242.45	.00	242.45
011916000	1	003	1/19/2016	3701 BOONE LITTLE LEAGUE HOTEL-MOTEL GRANT	1000.00	003-520-6499	PROJECTS
				** VENDOR TOTAL **	1000.00	.00	1000.00
194029	1	112	1/19/2016	3705 MEDTRAK SERVICES 411 PRESCRIPTIONS	1471.97	112-930-6150	GROUP INSURANCE PAYMENTS
				** VENDOR TOTAL **	1471.97	.00	1471.97
011916000	1	001	1/19/2016	3710 VISIONBANK OF IOWA NAME PLATES-QTY 3	29.85	001-620-6506	SUPPLIES/OFFICE
011916000	2	001	1/19/2016	COMPUTER SUPPLIES	106.72	001-150-6506	SUPPLIES/OFFICE
011916000	3	600	1/19/2016	IRWA-WILDEMAN	325.00	600-811-6240	TRAVEL/CONFERENCE EXPENSE
				** TOTAL **	461.57	.00	461.57
011916001	1	001	1/19/2016	CR-FAIRFIELD DBL CHG	102.99	001-110-6240	TRAVEL/CONF/TRAINING EXP
011916001	2	001	1/19/2016	PD CARGO LINER	98.37	001-110-6599	POLICE EQUIP/SUPPLIES
011916001	3	001	1/19/2016	K-9 VEHICLE BARRIER	49.92	001-110-6599	POLICE EQUIP/SUPPLIES
				** TOTAL **	45.30	.00	45.30
011916002	1	110	1/19/2016	RISE MEET-NELSON	18.60	110-211-6240	TRAVEL/CONFERENCE EXPENSE
				** VENDOR TOTAL **	525.47	.00	525.47
1429951	1	110	1/19/2016	3720 PREMIER COPIERS PRINTERS PRINTER CONTRACT-PW	39.44	110-211-6506	SUPPLIES/OFFICE
				** VENDOR TOTAL **	39.44	.00	39.44
011916000	1	003	1/19/2016	3751 BOONE COUNTY ECONOMIC GRO COUNTY WIDE ECONOMIC DEV	17500.00	003-520-6438	ECONOMIC DEVELOPMENT
				** VENDOR TOTAL **	17500.00	.00	17500.00
011916000	1	600	1/19/2016	1900 REMAX UB OVERPAYMENT	7.55	600-810-6599	MISCELLANEOUS
011916000	2	610	1/19/2016	UB OVERPAYMENT	7.55	610-815-6599	MISC REFUNDS/NSF FEE
				** TOTAL **	15.10	.00	15.10
				** VENDOR TOTAL **	15.10	.00	15.10

INVOICE	LN	DIST	DUE DATE	REFERENCE	AMOUNT	GL ACCT NO	GL TITLE
853566	1	001	1/19/2016	2135 BATTERY JUNCTION BATTERIES	77.80	001-110-6599	POLICE EQUIP/SUPPLIES
				** VENDOR TOTAL **	77.80	.00	77.80
011916000	1	110	1/19/2016	2136 RHETT VINTON CLAYTON MAILBOX CLAIM	25.00	110-210-6509	SIGNS/POSTS/SIGNALS
				** VENDOR TOTAL **	25.00	.00	25.00
				** GRAND TOTAL **	458018.20	.00	458018.20

VENDOR NAME	INVOICE DESCRIPTION	INVOICE AMT	VENDOR TOTAL	CHECK#	CHECK DATE
----- ACCOUNTS PAYABLE CLAIMS -----					
Park	ALLIANT ENERGY	UTILITEIS-ANDERSON	1,270.78	187401	1/12/16
	ALLIANT ENERGY	UTILITIES-424 SNEEDEN DR LGHTS	33.04	187412	1/13/16
	ALLIANT ENERGY	UTILITIES-424 SNEEDEN DR	577.13	187412	1/13/16
	ALLIANT ENERGY	UTILITIES-424 SNEEDEN HOUSE	82.04	187412	1/13/16
Airport	ALLIANT ENERGY	UTILITIES-RR1	162.92	187412	1/13/16
	BOLTON & MENK INC	2015 APRON IV		187413	1/13/16
	BOONE ACE HARDWARE	EXTENSION CORD-BOOM TRUCK	26.99	187402	1/12/16
	BOONE ACE HARDWARE	TRAPS-BOY SCOUT CABIN	45.94	187402	1/12/16
	BOONE ACE HARDWARE	DEHUMIDIFER-CEMETERY	189.99	187402	1/12/16
Park	BRENT SHAW	CELL PHONE REIMB		187403	1/12/16
	BRIAN ANDERSON	CELL PHONE REIMB	19.00	187404	1/12/16
	BRIAN ANDERSON	REIMB-ROADSIDE/FOREST/AQUATIC	35.00	187404	1/12/16
Airport	CONNIE YOUNGER	FBO PAYMENT-JANUARY	2,550.00	187414	1/13/16
	CONNIE YOUNGER	TELEPHONE REIMBURSEMENT	61.31	187414	1/13/16
	D & J COMPLETE TREE SERVICE	ASH TREE REMOVAL-QTY 47		187405	1/12/16
	KYLE KILSTROM	CELL PHONE REIMB		187406	1/12/16
	TIM MODELAND	REPAIR-HERMAN GRILL		187407	1/12/16
	PEOPLES CLOTHING STORE	CLOTHING ALLOWANCE	70.00	187408	1/12/16
	PEOPLES CLOTHING STORE	CLOTHING ALLOWANCE	61.00	187408	1/12/16
	PORTABLE PRO	SERVICES		187409	1/12/16
Park	R & W POWER	PARTS-CHAIN SAW	109.67	187410	1/12/16
	R & W POWER	BATTERY & PLUGS	103.94	187410	1/12/16
	R & W POWER	CHAIN SAW REPAIR	70.93	187410	1/12/16
	R & W POWER	EQUIP REPAIR-CEMETERY	121.63	187410	1/12/16
	R & W POWER	SUPPLIES-CEMETERY	206.13	187410	1/12/16
	R & W POWER	TUNE UP SERVICE-CHAIN SAW	39.95	187410	1/12/16
	RAMAKER & ASSOCIATES INC	CIMS MAPS/AERIAL		187411	1/12/16
	RAY'S DOORS LLC	SERVICE TRI-SLIDE SLIDERS		187415	1/13/16
Airport	TOM'S SNOW REMOVAL	SNOW REMOVAL-QTY 6		187416	1/13/16
	UNDERGROUND STORAGE TANK SECTI	2016 ANNUAL TANK MANAGEMENT		187417	1/13/16
	**** PAID	TOTAL ****			
			33,993.04		
	****	REPORT TOTAL ****			
			33,993.04		

Paid Bills

ACCOUNT NO	CUSTOMER NAME	CHECK NUMBER	CHECK DATE	SERVICE CODE	DEPOSIT NUMBER	DEPOSIT DATE	DEPOSIT AMOUNT	APPLY
101960005	ARAM VARTANIAN	187418	1/14/16	WA		6/07/14	125.00	C
105300004	CHAD MCDOWELL	187419	1/14/16	WA		9/04/14	125.00	C
106670002	PAMELA SOUTHWORTH	187420	1/14/16	WA		11/05/14	65.54	C
108930005	ARLENE HATCH	187421	1/14/16	WA		10/01/13	125.00	C
110230006	ALESHA CALONKEY	187422	1/14/16	WA		5/06/14	125.00	C
111450002	JAMES WELDER	187423	1/14/16	WA		8/13/14	125.00	C
114130003	SARAH ANDERSON	187424	1/14/16	WA		8/11/14	125.00	C
114490004	MICHAEL FORRESTER	187425	1/14/16	WA		7/01/14	125.00	C
203230015	DANIELLE CHURCHILL	187426	1/14/16	WA		11/05/14	125.00	C
204330005	KELLI EDSON	187427	1/14/16	WA		9/08/14	120.00	C
206070008	QUATRINA GARCIA	187428	1/14/16	WA		11/18/13	45.35	C
300090003	APRIL SAUER	187429	1/14/16	WA		6/09/14	125.00	C
302050004	NICOLE TEITSWORTH	187430	1/14/16	WA		8/01/14	125.00	C
304420004	MELISSA BENNETT	187431	1/14/16	WA		11/24/14	125.00	C
307020007	MEGAN WEST	187432	1/14/16	WA		9/04/14	125.00	C
312590005	JAY DOCKSTADER	187433	1/14/16	WA		9/12/14	125.00	C
317010009	MELISSA COGLIZER	187434	1/14/16	WA		10/14/14	125.00	C
317990004	SOMETHING FOR YOU BOONE,IA LLC	187435	1/14/16	WA		2/11/14	96.12	C
319620014	AMBER DAHLMAN	187436	1/14/16	WA		12/15/14	51.16	C
328164905	MARTHA WINGERT	187437	1/14/16	WA		2/04/14	40.62	C
328165309	AMANDA MERCHANT	187438	1/14/16	WA		8/12/14	125.00	C
328380104	BRAD FILIPIAK	187439	1/14/16	WA		8/13/14	125.00	C
340151607	VICKI BOWERS	187440	1/14/16	WA		6/20/14	125.00	C
RPT TOTAL							2543.79	

UB Refund

RESOLUTION NO. 2380

RESOLUTION ACCEPTING OFFER TO BUY REAL ESTATE DESCRIBED AS LOT 6 OF BLOCK 40 SE SW OF DEWEY'S ADDITION TO BOONE, IOWA; AND AUTHORIZING THE TRANSFER OF TITLE TO BUYERS.

WHEREAS, the City of Boone, Iowa is the owner of certain real estate described as follows:

**W ½ of Lot 6 of Block 63 SW SW in Boone, Iowa.**

WHEREAS, the City has published notice pursuant to §364.7, Code of Iowa and conducted a hearing as required by §364.7, Code of Iowa, notifying the public that it intends to sell said real estate to Doug Vrba.

WHEREAS, the city council received an offer to buy from Doug Vrba in the amount of \$6,000.00, with \$5,000.00 to be returned upon completion of commercial building.

WHEREAS, the city council is required to pass a resolution authorizing the City to accept said offer and to convey said property by Quit Claim Deed.

THEREFORE BE IT HEREBY RESOLVED that the city council hereby accepts the offer to buy of \$6,000.00, from Doug Vrba and the city attorney is hereby authorized to prepare a Quit Claim Deed for signature conveying said property to the purchaser, upon receipt of said funds, and the appropriate Boone City Officials are hereby authorized to sign the deed on behalf of the City of Boone.

RESOLVED THIS 18<sup>th</sup> day of January, 2016.

AYES (A), NAYES (N), ABSENT (X), ABSTAIN (/):

**BJ McGinn**  
**Steven Ray**  
**Kevin Hicks**

**C. Scott Porter**  
**Gary Nystrom**

**Nick Mallas**  
**Greg Piklapp**

\_\_\_\_\_  
John Slight – Mayor City of Boone

\_\_\_\_\_  
Ondrea Elmquist – City Administrator/Clerk

**CITY COUNCIL  
CITY OF BOONE, IOWA**

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RESOLUTION NO 2383  
APPROVING THE APPLICATION TO THE IOWA ECONOMIC DEVELOPMENT  
AUTHORITY HIGH QUALITY JOBS PROGRAM

WHEREAS, the city of Boone has received a request from Glycerin Group dba Kemx Global to approve and submit an application to the State of Iowa for the Economic Development High Quality Jobs Program, and

WHEREAS, the program was established to promote Economic Development and Job Creation in the State of Iowa, and

WHEREAS, the city of Boone supports activities which promote and facilitate Economic Development within the city of Boone, and

WHEREAS, in the application, Glycerin Group dba Kemx Global has indicated that they will:

1. Create 41 new full-time positions.
2. Provide comprehensive health benefits to its employees.
3. Make a capital investment of approximately \$24,000,000.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE  
CITY OF BOONE, IOWA:

- a. The Boone City Council hereby approves the application of Glycerin Group dba Kemx Global for the purpose of receiving benefits from the High Quality Jobs Program.
- b. The Boone City Council understands the local match requirement of the Iowa Economic Development Authority and hereby approves a local match in the amount of 3-year abatement from the Jumpstart Boone Program (Urban Revitalization, Ord. No. 2170 qualified under Iowa Code 404.1(4)&(5)).
- c. The Boone City Council hereby authorizes the Mayor to sign the HQJP application on behalf of the City and to take such further actions as deemed necessary in order to carry into effect the provisions of this Resolution.

Passed this 18th day of January 2016.

AYES (A), NAYES (N), ABSENT (X):

**BJ McGinn**  
**Steven Ray**  
**Kevin Hicks**

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

**Scott Porter**  
**Gary Nystrom**

<input type="checkbox"/>
<input type="checkbox"/>

**Nick Mallas**  
**Greg Pıklapp**

<input type="checkbox"/>
<input type="checkbox"/>

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Mayor  
City of Boone

---

Clerk  
City of Boone



STREET LIGHTING RESOLUTION

The following Resolution 2384 was adopted by the City Council of the City of Boone at a meeting held on 18th January, 20 16.

Be it resolved by the City Council of the City of Boone, IA, that Alliant Energy Inc. is hereby directed to make the following changes to the existing system, at the locations described below (or shown on an attached map made a part of this Resolution) according to the terms expressed in the existing street light contract:

NEW INSTALLATION OR CHANGES IN EXISTING SYSTEM					
ADD NUMBER	DELETE NUMBER	WATTAGE	STYLE OF LUMINAIRE	TYPE AND HEIGHT OF POLE	WIRING (check one)
1. <u>1</u>	<u>0</u>	<u>135</u>	<u>LED</u>	<u>35' concrete</u>	<input type="checkbox"/> OH <input checked="" type="checkbox"/> UG
2. _____	_____	_____	_____	_____	<input type="checkbox"/> OH <input type="checkbox"/> UG
3. _____	_____	_____	_____	_____	<input type="checkbox"/> OH <input type="checkbox"/> UG

LOCATION OF NEW INSTALLATION OR CHANGES
1. <u>placed by drive way of Midland Bioproducts, 800 Snedden Dr.</u>
2. <u>Will light up section of intersection of driveway &amp; road</u>
3. _____

Mayor \_\_\_\_\_  
declared said Resolution duly passed and adopted the 18th  
day of January, 20 16.

Attest \_\_\_\_\_  
Title \_\_\_\_\_

**CITY COUNCIL  
CITY OF BOONE, IOWA**

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RESOLUTION NO 2385  
APPROVING SUPPORT FOR THE APPLICATION BEING SUBMITTED TO  
VISION IOWA COMMUNITY ATTRACTION AND TOURISM (CAT) BY THE  
BOONE HISTORICAL SOCIETY

**WHEREAS**, the City of Boone agrees with the Boone Historical Society's assessment of needed repairs; and

**WHEREAS**, the City of Boone supports the application to Vision Iowa CAT by the Boone Historical Society.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE  
CITY OF BOONE, IOWA:

Boone City Council hereby pledges \$12,000 to support the application by the Boone Historical Society to Vision Iowa CAT.

Passed this 18th day of January 2016.

AYES (A), NAYES (N), ABSENT (X):

**BJ McGinn**

**Scott Porter**

**Nick Mallas**

**Steven Ray**

**Gary Nystrom**

**Greg Piklapp**

**Kevin Hicks**

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Mayor  
City of Boone

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Clerk  
City of Boone

ORDINANCE NO. 2224

BE IT HEREBY ORDAINED BY THE CITY COUNCIL OF THE CITY OF BOONE, IOWA:

Section 1. Purpose: To allow the City of Boone, Iowa to change the Parking Regulations as it pertains to the No Parking Zones and Parking limited to Twenty-Four Hours.

Section 2. Chapter 69, Section 69.08 (56), is hereby amended by deleting the current section and replacing it as follows:

**69.08(56) On the west side of Cedar Street from Fifth Street to Sixth Street.**

Section 3. Chapter 69, Section 69.08 is hereby amended by deleting the following paragraphs:

**a. Paragraph 57**

**b. Paragraph 58**

Section 4. Chapter 69, Section 69.13 (X) is hereby amended by deleting the current section and replacing it as follows:

**69.13 (X) Fifth Street from Marshall Street to Delaware Street.**

Section 5. Chapter 69, Section 69.13 (HH) is hereby amended by deleting the current section and replacing it as follows:

**69.13 (HH) Sixth Street from Linn Street to Delaware Street.**

Section 6. Repealer Clause. All ordinances in conflict herewith are repealed.  
They are: None

Section 7. Severability Clause. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity or the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

Section 8. When Effective. This ordinance shall be in effect after its passage, approval and publication as provided by law.

Passed and adopted by the City Council of the City of Boone, Iowa, this 18<sup>th</sup> day of January, 2016.

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John Slight – Mayor

Attest:

I, Luke Nelson, City Administrator of the City of Boone, Iowa, hereby certify that the above and foregoing Ordinance is a true copy as shown by the records of the City of Boone, Iowa.

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Luke Nelson – City Administrator



Jim P. Robbins AT0006583

**Return Document To: Jim P. Robbins 1001 W. Mamie Eisenhower, Boone, IA 50036**

**Preparer Information:** Jim P. Robbins, 1001 W. Mamie Eisenhower, Boone, IA 50036, (515) 432-7114

## ORDINANCE NO. 2225

BE IT HEREBY ORDAINED BY THE CITY COUNCIL OF THE CITY OF BOONE,  
IOWA:

Section 1. Purpose: To allow the City of Boone, Iowa to change the Dangerous and Vicious Animals and Reptiles Ordinance.

Section 2. Chapter 56, is hereby amended by deleting the entire Chapter 56 and replacing it with the following:

### **CHAPTER 56**

#### **DANGEROUS AND VICIOUS ANIMALS AND REPTILES**

56.01 Definitions	56.06 Exemptions and Petting Zoos
56.02 Keeping of dangerous Animals or Reptiles Prohibited	56.07 Security Standards
56.03 Confinement Standards	56.08 Space Requirements
56.04 Seizure, Impoundment and Disposition	56.09 Space Requirements for Reptiles
56.05 Keeping of Vicious Animals or Reptiles Prohibited	56.10 Traveling Wildlife Menageries, Shows,
	56.11 Penalties

**56.01 DEFINITIONS.** The following terms are defined for use in this chapter:

1. "Domestic animal" includes dogs, cats, domesticated sheep, horses, cattle, goats, swine, fowl, ducks, geese, turkeys, confined domestic hares and rabbits, pheasants and other birds and animals or reptiles raised and/or maintained in confinement.
2. "At large" refers to an animal's or reptile's presence outside of a structure or fixed enclosure used to house or confine the animal or reptile.

3. "Dangerous animal or reptile" means any animal or reptile which is capable of killing, inflicting serious injury upon or causing illness or disease among human beings or domestic animals and having known tendencies (either in its natural state, in the wild or as a tame, feral or domesticated animal) as a species to do so; any animal or reptile which has inflicted serious injury on a person without provocation; any animal or reptile which has at the animal's or reptile's own initiative, killed a domestic animal; any animal owned or harbored primarily or in part for the purpose of fighting; any animal or reptile which by breeding, training, disposition or behavior may pose a potential risk of attacking and inflicting injury without provocation upon people or other animals or reptiles; those animals or reptiles deemed to be dangerous animals or reptiles per se, and include but are not limited to, the following:

(a) A member of the family canidae of the order carnivora, including but not limited to wolves, coyotes, and jackals. However, a dangerous wild animal does not include a domestic dog.

(b) A member of the family hyaenidae of the order of carnivora, including but not limited to hyenas.

(c) A member of the family felidae of the order carnivora, including but not limited to lions, tigers, cougars, leopards, cheetahs, ocelots, and servals. However, a dangerous wild animal does not include a domestic cat.

(d) A member of the family ursidae of the order carnivora, including bears and pandas.

(e) A member of the family rhinocerotidae order perissodactyla, which is a rhinoceros.

(f) A member of the order proboscidea, which are any species of elephant.

(g) A member of the order of primates other than humans, and including the following families: callitrichidae, cebidae, cercopithecidae, cheirogaleidae, daubentoniidae, galagonidae, hominidae, hylobatidae, indridae, lemuridae, loridae, megaladapidae, or tarsiidae. A member includes but is not limited to marmosets, tamarins, monkeys, lemurs, galagos, bushbabies, great apes, gibbons, lesser apes, indris, sifakas, and tarsiers.

(h) A member of the order crocodylia, including but not limited to alligators, caimans, crocodiles, and gharials.

(i) A member of the order squamata which is any of the following:

(1) A member of the family varanidae, which are limited to water monitors and crocodile monitors.

(2) A member of the family atractaspidae, including but not limited to mole vipers and burrowing asps.

(3) A member of the family helodermatidae, including but not limited to beaded lizards and gila monsters.

(4) A member of the family elapidae, viperidae, crotalidae, atractaspidae, or hydrophidae which are venomous, including but not limited to cobras, mambas, coral snakes, kraits, adders, vipers, rattlesnakes, copperheads, pit vipers, keelbacks, cottonmouths, and sea snakes.

(5) A member of the superfamily henophidia, which are limited to reticulated pythons, anacondas, and African rock pythons.

(j) Swine which is a member of the species *sus scrofa linnaeus*, including but not limited to swine commonly known as Russian boar or European boar of either sex.

4. "Euthanize" means to kill in a humane manner, by an authorized veterinarian or the animal control officer.

5. "Owner" means any person owning, keeping, sheltering or harboring an animal or reptile.

6. "Serious injury" means any illness, disease or bodily injury which creates a substantial risk of death or which causes serious permanent disfigurement or protracted loss or impairment of the function of any bodily member or organ.

7. "Unprovoked" refers to an attack or bite not the result of behavior (on the victim's part) intended to irritate the animal or reptile.

8. "Vicious animal or reptile" means any live animal or reptile, not a dangerous animal or reptile as defined in this section that has:

A. Unprovoked, bitten or attacked another animal, reptile or person while running at large;

B. Without reference to provocation or location (i.e. at large or otherwise): (a) bitten or attacked another animal, reptile or person on one separate occasion within a twelve-month period, or (b) bitten or attacked another animal, reptile or person, on any one occasion, despite the owner's attempt to restrain or control the animal or reptile.

With respect to paragraph B above, if the animal or reptile attacked or bitten was running at large or the person attacked or bitten was engaged in an unlawful act prior to the bite or attack, such an incident shall not serve as a basis for declaring the offending animal or reptile a vicious animal or reptile.

**56.02 KEEPING OF DANGEROUS ANIMALS OR REPTILES PROHIBITED.** It is unlawful for any person to keep a dangerous animal or reptile. Any owner of a dangerous animal or reptile on April 2, 2001, the date the prior ordinance concerning this matter was enacted are grand-fathered in. However, once the dangerous animal or reptile dies or is euthanized, it may not be replaced. Decisions as to whether a particular animal or reptile is dangerous shall be made by the City animal control officer on the basis of reasonable evidence which may include the opinions of experts. If the animal control officer has reason to believe that the animal or reptile threatens the safety of the public or domestic animals, the animal control officer may enter upon any premises upon which the animal or reptile is kept and remove the animal or reptile from those premises to a place of impoundment. Entry on said premises shall be only with the consent of the person in lawful control of the premises, or after obtaining a search warrant pursuant to law.

**56.03 CONFINEMENT STANDARDS.** All animals or reptiles within the scope of the definition of "dangerous animal or reptile" shall be confined. If such confinement facilities are indoors, all access doors must be continually locked. When taken outside the premises, the animal must at all time be muzzled and leashed or confined in a vehicle, cage or other animal carrier. If such confinement facilities are outdoors, they must be securely constructed with chain link fences and ceilings and with concrete floors. Entrance gates must be continuously locked. A perimeter fence at least four (4) feet from the primary enclosure must surround all sides of the enclosure not adjacent to a solid wall of a building. However, in no case shall a reptile be taken outside the owner's premises unless in a fully enclosed cage or container clearly marked as to the name of the reptile contained therein and marked Caution - Dangerous Reptile.

**56.04 SEIZURE, IMPOUNDMENT AND DISPOSITION OF DANGEROUS ANIMALS OR REPTILES.**

1. The animal control officer, on his or her own information or upon receipt of a complaint alleging that a person owns, is keeping, sheltering or harboring a dangerous animal or reptile in the City limits, may investigate to determine if a person owns, is keeping, sheltering or harboring a dangerous animal or reptile, and if after investigation,

the facts indicate that the person in fact owns, is keeping, sheltering or harboring a dangerous animal or reptile, the animal control officer shall order the owner to secure the animal or reptile in a structure or fixed enclosure at all times and do one of the following:

A. Within seven (7) days of receipt of the order, permanently place the animal or reptile with a person, organization or governmental entity allowed under this chapter to own, keep, shelter or harbor dangerous animals or reptiles; or

B. Within seven (7) days of receipt of the order, euthanize the animal or reptile.

2. Such notice to remove the dangerous animal or reptile shall not be required where such dangerous animal or reptile has previously caused serious injury or death to any person, in which case the animal control officer shall cause the animal or reptile to be immediately euthanized. In the event that a dangerous animal or reptile is found at large and unattended upon public property, park property, public right-of-way or the property of someone other than its owner, thereby creating a hazard to persons or property, the animal control officer may (a) seize the animal or reptile and release it to a person or entity authorized to own, keep, shelter or harbor a dangerous animal or reptile, or (b) euthanize the animal or reptile. The choice of which of these options to pursue is left to the discretion of the animal control officer. The animal control officer shall be under no duty to attempt the seizure of a dangerous animal or reptile found at large prior to euthanizing such animal or reptile, nor does the animal control officer have a duty to notify the owner of such animal or reptile prior to pursuing any of the above options.

3. When, pursuant to the pertinent provisions of subsection 2 of this section, an animal or reptile is seized or euthanized without a prior notice to remove to the owner, the animal control officer or other designated person shall, within seven (7) days thereafter, deliver to the animal or reptile's owner either in person or by certified mail, return receipt requested, a written notice of the action taken and the reasons therefor.

4. If the notice to remove issued by the animal control officer is not complied with within the allotted period of time, and is not appealed, the officer is authorized to seize the animal or reptile and (a) release the animal or reptile to a person authorized to own, keep, shelter or harbor a dangerous animal or reptile, or (b) euthanize the animal or reptile. The choice of which option to pursue is left to the discretion of the animal control officer.

5. Costs incurred by the City for the care, maintenance, transportation and euthanizing of a dangerous animal or reptile owned, kept, sheltered or harbored in violation of this chapter shall be reimbursed to the City by the owner.

**56.05 KEEPING OF VICIOUS ANIMALS OR REPTILES PROHIBITED.** No person shall own, keep, shelter or harbor for any reason within the City a vicious animal or reptile, as defined in this chapter.

1. The animal control officer or other designated person, on his or her own information or upon receipt of a complaint alleging that a person owns, is keeping, sheltering or harboring a vicious animal or reptile as defined in this chapter may, in said person's discretion, initiate proceedings to declare such animal or reptile a vicious animal or reptile. A hearing on the matter shall be conducted by the Council. The owner of the animal or reptile in question shall be given no less than seventy-two (72) hours' written notice (including Saturday, Sunday and holidays) of the time and place of said hearing. Said notice shall order the owner to secure the animal or reptile in a structure of fixed enclosure at all times. The notice shall set forth a description of the animal or reptile in question and the basis for the allegation of viciousness and shall also notify the owner that should the animal or reptile be determined to be vicious, the owner will be required to euthanize it or allow the City to do so. The notice shall be personally served upon the owner of the animal or reptile.

2. If, after hearing, the Council determines that an animal or reptile is vicious, the Council shall order the owner to cause it to be euthanized or to allow the City to do so. The order shall be served upon the owner against whom issued in the same manner as the notice of hearing. Any decision of the Council may be appealed to the Iowa District Court. The owner of a vicious animal or reptile must appeal the final decision of the Council within thirty (30) days of the date of the final decision by filing a Writ of Certiorari and following certain procedures as outlined in the Iowa Rules of Civil Procedure.

3. If the order is not complied with within three (3) days of the expiration of the appeal period and no appeal is filed, the animal control officer is authorized to seize and euthanize the animal or reptile. The owner may sign a waiver of his/her appeal rights and the animal or reptile may be euthanized, even though the appeal period has not expired.

4. If, after hearing, it has been determined that the animal or reptile properly falls within the category of vicious animal or reptile as defined in this chapter, then all provisions applying to a dangerous animal or reptile shall apply, including confinement and registration.

5. The notice required by subsection 1 of this section shall not be required where such vicious animal or reptile has previously caused serious injury or death to any person, in which case the animal control officer shall cause the animal or reptile to be immediately euthanized. In the event a vicious animal or reptile is found at large and unattended upon public property, park property, public right-of-way or the property of someone other than its owner, thereby creating a hazard to persons or property, the animal control officer or other officer may, in his or her discretion, seize and impound such animal or reptile or euthanize it if such seizure and impoundment is not possible or would expose any person to the risk of serious injury. The City shall be under no duty to attempt the seizure of a

vicious animal or reptile found at large prior to euthanizing such animal or reptile, nor shall it have the duty to notify the owner of such animal or reptile prior to euthanizing it or seizing and impounding it.

6. When, pursuant to the pertinent provisions of subsection 5 of this section, an animal or reptile is euthanized without a prior notice to the owner, the animal control officer or other officer shall, within seven (7) days thereafter, deliver to the animal's or reptile's owner, either in person or by certified mail, return receipt requested, a written notice of the action taken and the reasons therefor. When pursuant to such subsection an animal or reptile is impounded without prior notice to the owner, the Council shall, thereafter, initiate proceedings to have the animal or reptile declared a vicious animal or reptile, in the manner provided for in subsection 1 of this section. Thereafter, the procedures contained in subsections 1, 2 and 3, where applicable, shall apply.

7. Any animal or reptile which is alleged to be vicious and which is under impoundment or quarantine at the animal shelter shall not be released to the owner, but shall continue to be held at the expense of the owner pending the outcome of the hearing. Costs incurred by the City for the care, maintenance, transportation and euthanizing of the vicious animal or reptile owned, kept, sheltered or harbored in violation of this chapter shall be reimbursed to the City by the owner.

**56.06 EXEMPTIONS.** The following are exempt from these regulations:

1. A person possessing or having custody of a sick or injured animal or reptile in the City solely for the purpose of transporting the animal or reptile to a veterinarian for care, or to an animal shelter, or to a State or Federal facility with authority or apparent authority to handle the animal or reptile.

2. Private veterinarians, animal hospitals or clinics, provided such persons or establishments notify the animal control officer on the same day that they obtain custody of the animal or reptile.

3. Any "research facility" within the meaning of Section 2(e) of the Federal Animal Welfare Act, 7 U.S.C. Sec. 2132(e), licensed by the Secretary of Agriculture of the United States pursuant to the Act.

**56.07 SECURITY STANDARDS.** All mammals subject to these regulations shall be kept only in a manner that substantially conforms to the following standards:

1. A sign to identify the species being kept, by its common name, shall be displayed on the holding pen.

2. Mammals shall be kept in locked holding pens or locked cages at all times, except that wild canine and dog crosses may be walked for exercise or transported outside their locked pens or cages only when all of the following conditions are met:

- A. The animal is muzzled with a properly fitted muzzle in good repair, designed for fit and condition by animal or reptile control staff;
- B. The animal is restrained with both a leash and a harness which are in good condition and of sufficient strength to control its actions;
- C. The animal is accompanied by its adult owner who has demonstrated sufficient strength and handling skills to control the animal or reptile;
- D. The animal shall not have contact with other animal or reptiles, or with persons other than its owner;
- E. Animals which have not attained one (1) year of age by the date the ordinance codified herein took effect, must be neutered;
- F. The owner shall submit to inspection at least annually by animal control staff of muzzles, leashes, housing facilities and handling skills for the animal.

3. The following pen and fence requirements apply to mammalian orders as stated. A “C” means that a ceiling is required on the pen. A “P” means that a perimeter fence is required in addition to the pen. A required perimeter fence shall be at least four (4) feet out from, and entirely surrounding the primary holding pen, and shall be at least five (5) feet high. An “N” means that no perimeter fence is required:

- A. Chiroptera – wood frame cage with 1/4-inch mesh hardware cloth or 3/16-inch plate glass; or large aquarium with fitted wood frame and 1/4-inch mesh hardware cloth top [N, C].
- B. Primates – wire cage or chain link fence and concrete floor [P, C].
- C. Canidae – chain link fence and concrete floor [P, C].
- D. Mustelidae – chain link fence and concrete floor or strong metal cage; for small weasels, aquarium with fitted wood frame and 1/4-inch mesh hardware cloth top or strong metal cage [P, C].
- E. Ursidae – chain link fence and concrete floor [P, C].
- F. Felidae (bobcat and ocelot or smaller) – chain link fence and concrete floor [P, C].

4. The perimeter fence is not required if there is a primary holding pen that is located entirely within an enclosed building.

**56.08 SPACE REQUIREMENTS.** The following table shows the total required combined measurements for holding and exercise enclosures, for which substantial compliance shall be required. For each additional animal, add 25% of the stated amount. Infant animals in pet stores shall be exempt for not more than two weeks:

Species	Floor (square feet)	Height (feet)
Opossum (1-2)	100	4 to 7
Prairie Dog	50	5
Agouti	100	6
Porcupine	150	7
Fox (various species)	125	7
Coyote	200	7
Dingo	200	7
Wolf	2000	7
American Black Bear	3000	10
Kinkajou	80	7
Raccoon and Coati	100	7
Wild Ferrets	25	5
Skunk	100	7
Otter	250	7
Tayra	100	7
Grison	100	7
Cougar	2000	12
Leopard	2000	12
Jaguar	2000	12
Cheetah	2500	12
Lion	2500	12
Tiger	2500	12
Lesser Cats (less than 20 pounds)	100	7
Lesser Cats 9more than 20 pounds)	250	7
Wild Goats and Sheep	1500	6
Hyena	500	7
Civet or Mongoose	100	5
Beaver	100	7
Pocket Gopher	25	2
Squirrel	50	7
Woodchuck	50	5
Chipmunk or Ground Squirrel	10	2
Wild Small Rodents (mice, etc)	5	5
Wild Rabbits and Hares	50	5
Anteater	250	7
Ape	500	10-12

Old World Monkeys	500	10-12
New World Monkeys	500	10-12
Lemurs	100	7
Marmoset or Tamarin	100	7
Bats	50	5

**56.09 SPACE REQUIREMENTS FOR REPTILES.** The following space requirements, for which substantial compliance is required, are applicable to the keeping of reptiles, subject to these regulations:

1. Helodermatidae – a cage as wide as and twice as long as the lizard’s total length and 12 inches high. For each additional lizard in the same cage, take the floor area needed by the largest occupant and increase it by 25%.
2. Snakes – one-half square foot of floor space per foot of length for a snake for each four (4) feet in length. For each additional snake in the same cage, take the floor area needed by the largest occupant and increase it by 25%.

**56.10 TRAVELING WILDLIFE MENAGERIES, SHOWS, AND PETTING ZOOS.**

Nonresident persons, itinerant shows, traveling menageries, traveling petting zoos, and similar displays of wildlife that travel from place to place shall not bring any dangerous wild animal or reptile, as defined herein, into the City without a permit from the City animal control officer. To obtain that permit an application shall be made in writing to the animal control officer stating the number and species of animals or reptiles, anticipated itinerary, scheduled stops, and the purposes for bringing the animals or reptiles into the City. The permit shall be issued provided the applicant can demonstrate advance compliance with the standards of this Code of Ordinances, or alternatively, meet the Federal standards set out in CFR Title 9, Part 3, Animal and Animal Products, including those standards governing the transportation of animals or reptiles, while the applicant’s animals or reptiles are within the City. The permit shall be valid for one (1) year, but the animal control officer shall be notified of the time, date and place of each and every exhibition not less than twenty-four hours in advance thereof. Fees shall be differentiated between reasonable classifications and categories of exhibitors when there is a significant difference in costs of administration with respect to each classification.

**56.11 PENALTIES**

Any violation of this Chapter shall constitute a Civil Infraction that may be enforced pursuant to Chapter 4 of the Boone City Code or pursuit of a criminal violation as a simple misdemeanor punishable as provided herein and pursuant to Section 903.1 (1) (a), Code of Iowa

Section 3. Repealer Clause. All ordinances in conflict herewith are repealed.  
They are: None

Section 4. Severability Clause. If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity or the ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

Section 5. When Effective. This ordinance shall be in effect after its passage, approval and publication as provided by law.

Passed and adopted by the City Council of the City of Boone, Iowa, this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
John Slight – Mayor

Attest:

I, Luke Nelson, City Administrator of the City of Boone, Iowa, hereby certify that the above and foregoing Ordinance is a true copy as shown by the records of the City of Boone, Iowa.

\_\_\_\_\_  
Luke Nelson – City Administrator