



1459 Washington St.
Muscatine, IA 52761-5040
(563) 263-8933
Fax (563) 263-2127

Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Mayor and City Council Members
CC: Gregg Mandsager, City Administrator
FROM: Brian Stineman, Director of Public Works
DATE: October 31, 2018
RE: Request to Issue Purchase Order for West Hill Sewer Televising

INTRODUCTION:

As part of planning for Phase 5 of the West Hill Sanitary Sewer Separation Project sewer lines in the Lower West Branch, from West 8th Street to Lucas Street, must be televised so the consultant, Stanley Consultants, can evaluate their condition and plan accordingly.

BACKGROUND:

Stanley Consultants, under direction from Public Works, requested quotes from multiple vendors to televise and inspect the sewer lines per the attached specifications. The quotes are listed below:

Vendor	Price
KMA	\$7,595
VisuSewer	\$10,617.50
HydroView	\$15,500
National Power Rodding	\$23,250
Central Iowa Televising	No Quote Received
Municipal Pipe and Tool	No Quote Received

RECOMMENDATION/RATIONALE:

Staff recommends approving a purchase order to KMA in the amount of \$7,595 for required televising. Funds are available in the West Hill Sewer Separation Project.

BACKUP INFORMATION:

Specifications, bid response, bid tabulation

"I remember Muscatine for its sunsets. I have never seen any on either side of the ocean that equaled them" — Mark Twain



October 11, 2018

KMA Trucking and Excavating, LLC
22050 277th Avenue
LeClaire, Iowa 52753

**RE: City of Muscatine – Lower West Branch Sewer Televising (West 8th Street to Lucas Street)
Request for Proposals**

Dear KMA Trucking and Excavating, LLC:

We are requesting a proposal from you to conduct sewer televising services in the City of Muscatine, Iowa.

Please provide a proposal for the following:

1. Televising the upper portion of the Lower West Branch Sewer (LWBS) that extends from West 8th Street (Manhole 3517) to Lucas Street (Catch Basin 3534) approximately 1,550 linear feet. Refer to Figure 1. Refer to Figure 2 showing an aerial photo including parcel lines of the area to be televised
2. This combined sewer is comprised of 3'x3' and 4' x 4' concrete box sections. Refer to Figure 3 showing possible cross sections of the sewer. Sewer was originally constructed between 1920-1930.
3. Typical this sewer is estimated to be 10% full in dry weather.
4. Optional services shall include:
 - a. Light and heavy cleaning.
 - b. Televising 710 feet of 12-inch and 24-inch sewer between Logan Street (Manhole 3749) and High Street (Manhole 5445).

Your services shall include:

1. Provide televising video and written report. Perform work according to NASSCO requirements.
2. Provide a unit price for internal television inspection on a linear foot basis: Unit price to include all costs for labor, material, and equipment for televising and complete videotaping of combined sewer at location noted. Length will be measured along centerline of pipe with no deduction for manholes.
3. Provided labeled videos and submit in a nonproprietary video format on DVD, removable USB flash drive, or by secure electronic file transfer.
4. Inspection shall include, but is not limited to:
 - a. Location of each service connection with regard to distance from manhole at beginning of inspection and orientation in relation to clock position.
 - b. Location of each source of infiltration discovered. An estimate of relative severity of observed infiltration points (e.g. runner, dripper, gusher) shall be made and recorded.
 - c. Location of unusual conditions, roots, collapsed sections, holes, cracks, presence of scale and corrosion, other discernible features or damage.
 - d. Pipe diameter, pipe material, section length.
 - e. Deflection in alignment or grade of pipe.



- f. Joints in pipe.
- g. Date, time, city, street, basin, manhole section reference manhole number, name of operator, inspector, and weather conditions.
5. Contractor shall be a member of National Association Sewer Service Companies (NASSCO). CCTV Inspections shall be performed by CCTV personnel who are trained and certified in the use of NASSCO Pipeline Assessment and Certification Program (PACP).
6. Use televising equipment to provide the best available view for a sewer of this size under live flows. Camera shall have pan and tilt viewing features.
7. Lighting and camera quality shall be suitable to provide clear, in-focus picture of entire inside periphery of sewer pipe for all conditions encountered during work. Lighting for camera shall minimize reflective glare. Camera lighting shall be sufficient for use with color inspection cameras.
8. Conduct operations within public right-of-way. Much of sewer to be televised is on private property. If needed, City will assist with property access and brush clearing.
9. Cleaning is not anticipated.
10. One day advanced notice shall be provided to the City prior to beginning televising work.

Please submit your proposal describing your services and unit prices for completing the work to me by email at heimkarmen@stanleygroup.com no later than October 26, 2018.

Notification will be made to the selected bidder after evaluation of all proposals. The City of Muscatine will be issuing a purchase order directly with the selected bidder. We expect to proceed with the work immediately. The work, including video and report submittal, must be completed by November 26, 2018.

Please contact me at 563-264-6287 or heimkarmen@stanleygroup.com if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Karmen K. Heim".

Karmen K. Heim, P.E.
Senior Environmental Engineer
Stanley Consultants, Inc.

Attachments: Figures 1 – 3

CC: Project Files/17660.40.00

kkh:kkh:MUS-PW1:DS-1:Docs:IF:17660.40:04:13-TelevisingProposals:20181011_L_RFP.docx

Figure 1
Muscatine, Iowa
Proposed Sewer Televising Locations
Date: 10-10-18

North

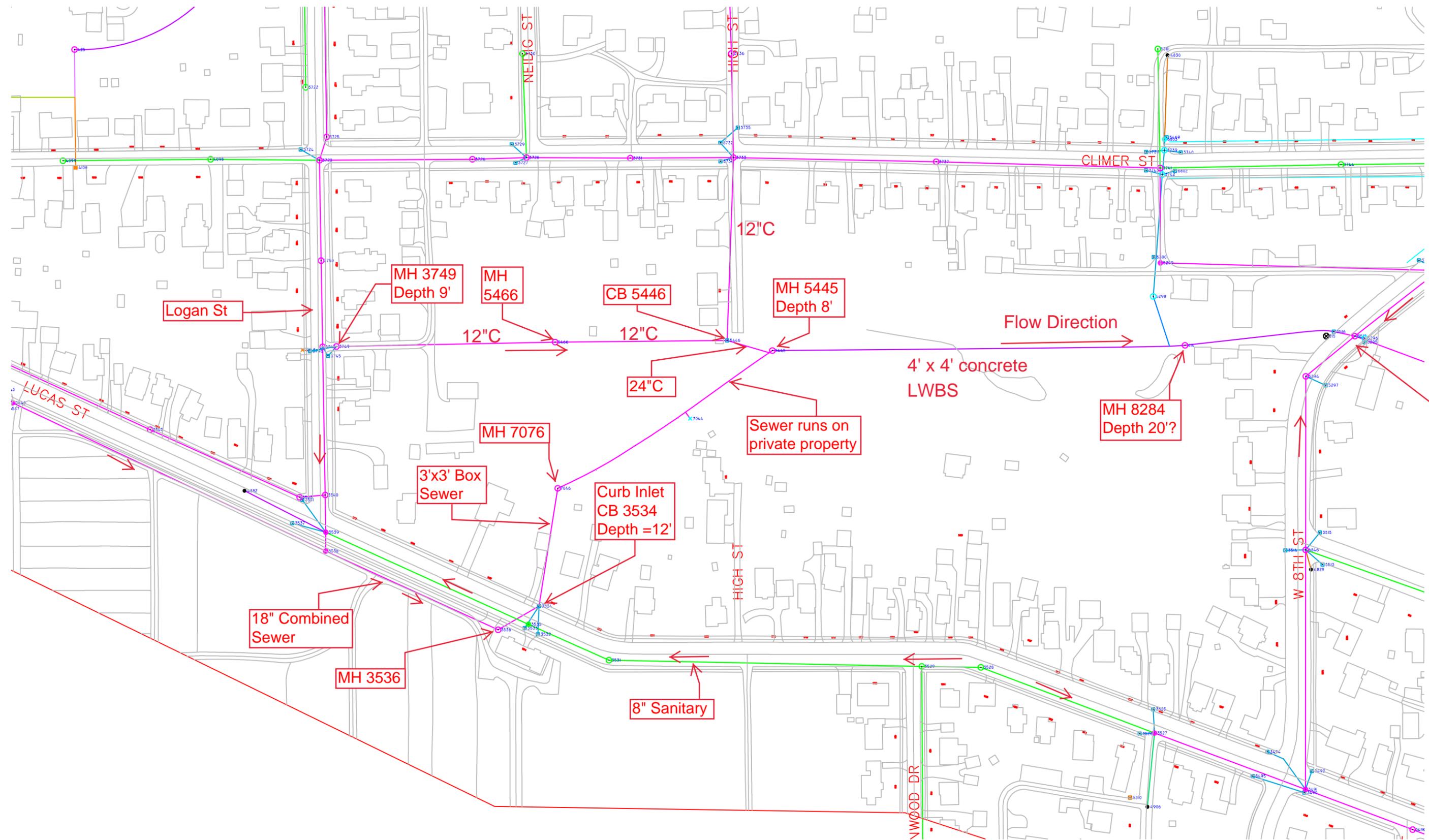
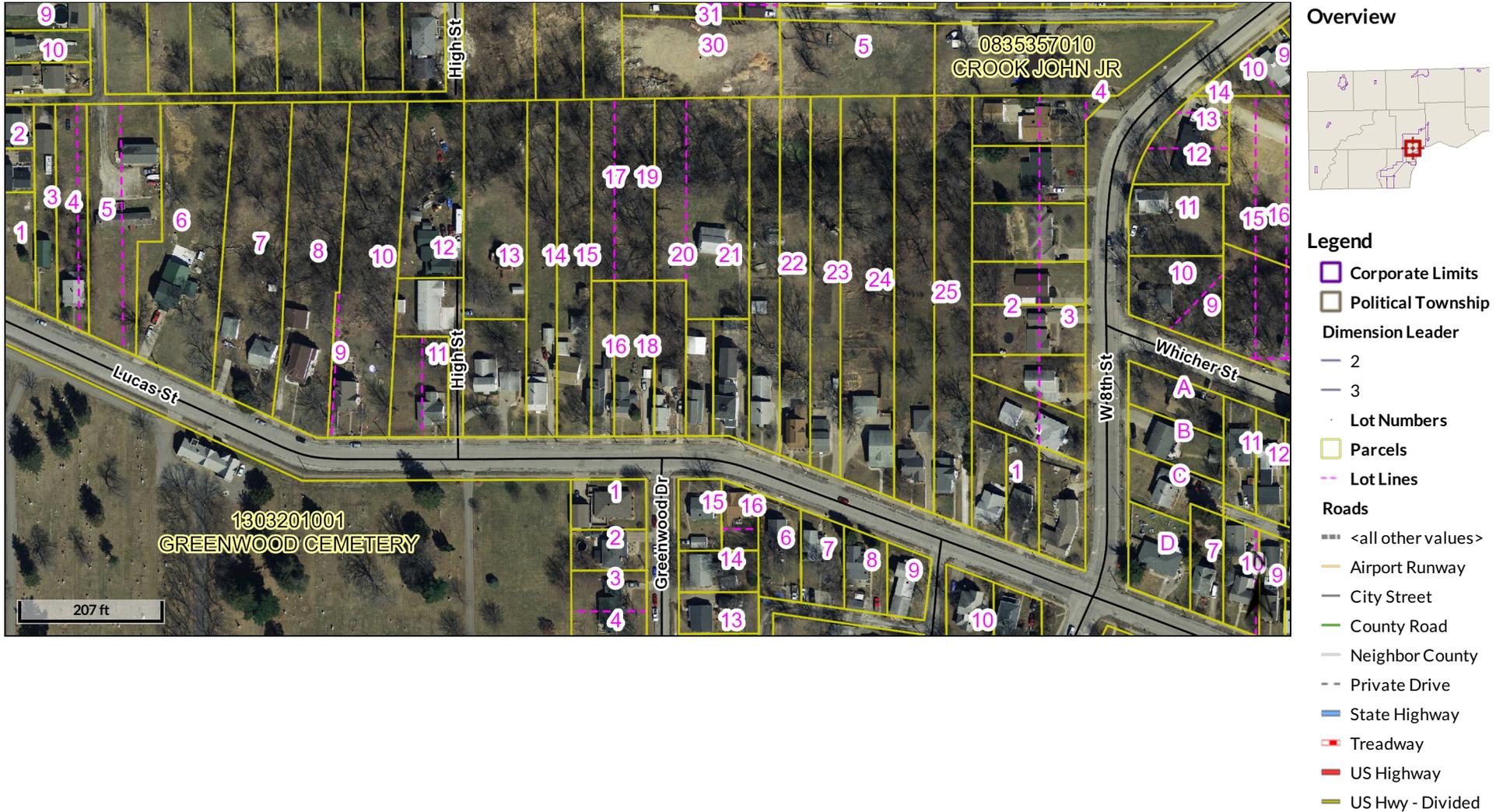
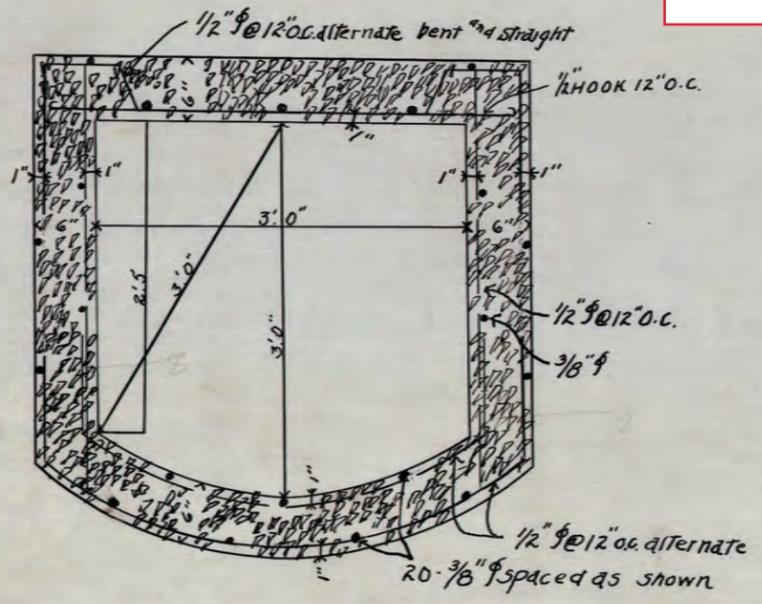


Figure 2 - Parcel Outlines From Beacon

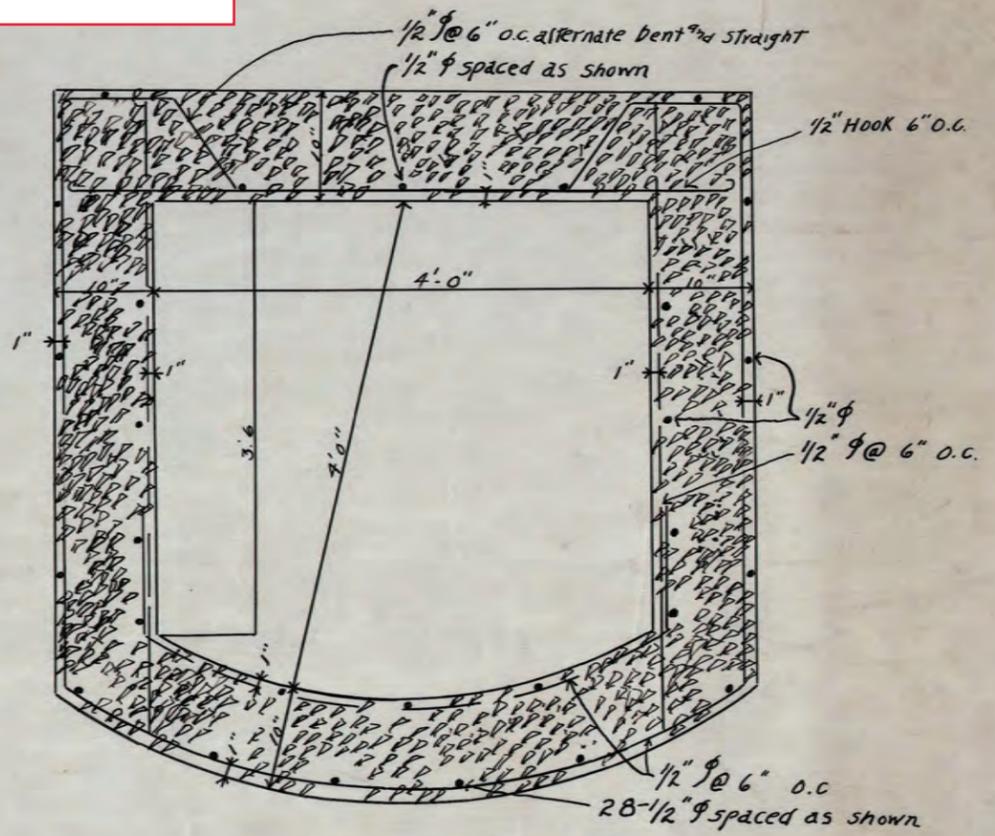


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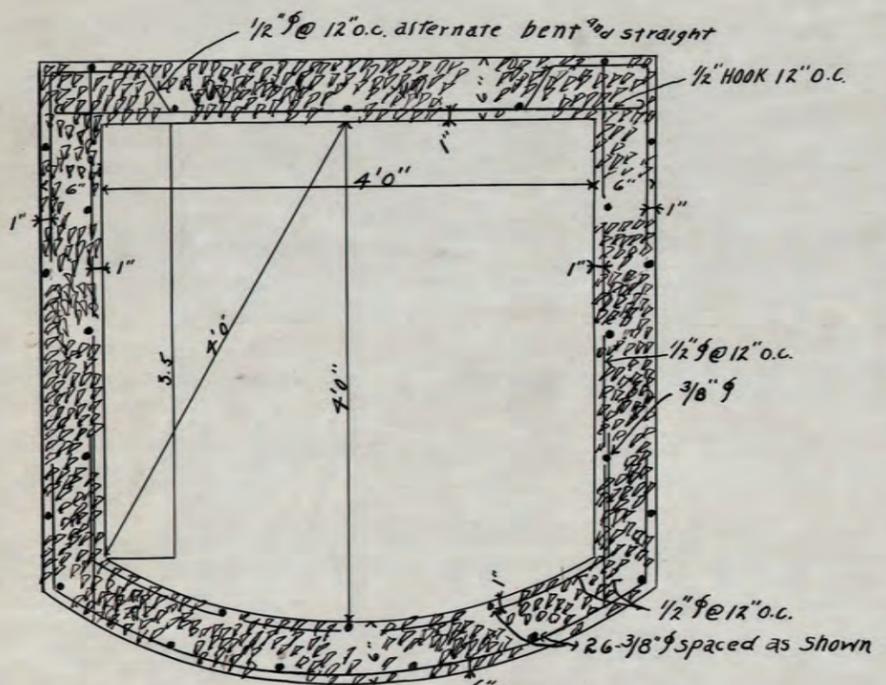
Figure 3
Geometry of existing LWBS



CROSS SECTION THRU SEWER
STATION 10+60 TO STATION 14+00 = 340'
SCALE 1" = 1'0"
ESTIMATED STEEL = 21.35# PER LINEAL FOOT LAPS NOT INCLUDED



CROSS SECTION THRU SEWER
STATION 0+0 TO STATION 1+0 = 100'
SCALE 1" = 1'0"
ESTIMATED STEEL = 72.26# PER LINEAL FOOT LAPS NOT INCLUDED.



CROSS SECTION THRU SEWER
STATION 1+00 TO STATION 10+60 = 960'
SCALE 1" = 1'0"
ESTIMATED STEEL = 31.51# PER LINEAL FOOT LAPS NOT INCLUDED

EXTENSION OF WEST BRANCH PAPOOSE CREEK SEWER
FROM A POINT TEN FEET EAST OF EIGHTH ST. TO END OF
PRESENT SEWER ON LOT No. 10 LUCAS ST. ADDITION
1930
H.H. FITZGERALD CITY ENG.
A.C.E.

October 26, 2018

Stanley Consultants, INC
C/O City of Muscatine
225 Iowa Ave
Muscatine, IA 52761

KMA Trucking and Excavating, LLC
22050 277th Avenue
LeClaire, Iowa 52753

RE: City of Muscatine – Lower West Branch Sewer Televising (West 8th Street to Lucas Street) Proposal

Stanley Consultants, INC:

We propose to provide the following:

1. Televising the upper portion of the Lower West Branch Sewer (LWBS) that extends from West 8th Street (Manhole 3517) to Lucas Street (Catch Basin 3534) approximately 1,550 linear feet. Refer to Figure 1. Refer to Figure 2 showing an aerial photo including parcel lines of the area to be televised
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Our services shall include:

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2. Provide a unit price for internal television inspection on a linear foot basis: Unit price to include all costs for labor, material, and equipment for televising and complete videotaping of combined sewer at location noted. Length will be measured along centerline of pipe with no deduction for manholes.
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- f. Joints in pipe.
- g. Date, time, city, street, basin, manhole section reference manhole number, name of operator, inspector, and weather conditions.
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9. Cleaning is not anticipated.
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Televising approximately 1550 LF as described above:

\$ 4.90/LF

Options as described above:

Light and/or heavy cleaning - \$ 200.00 per hour labor and material

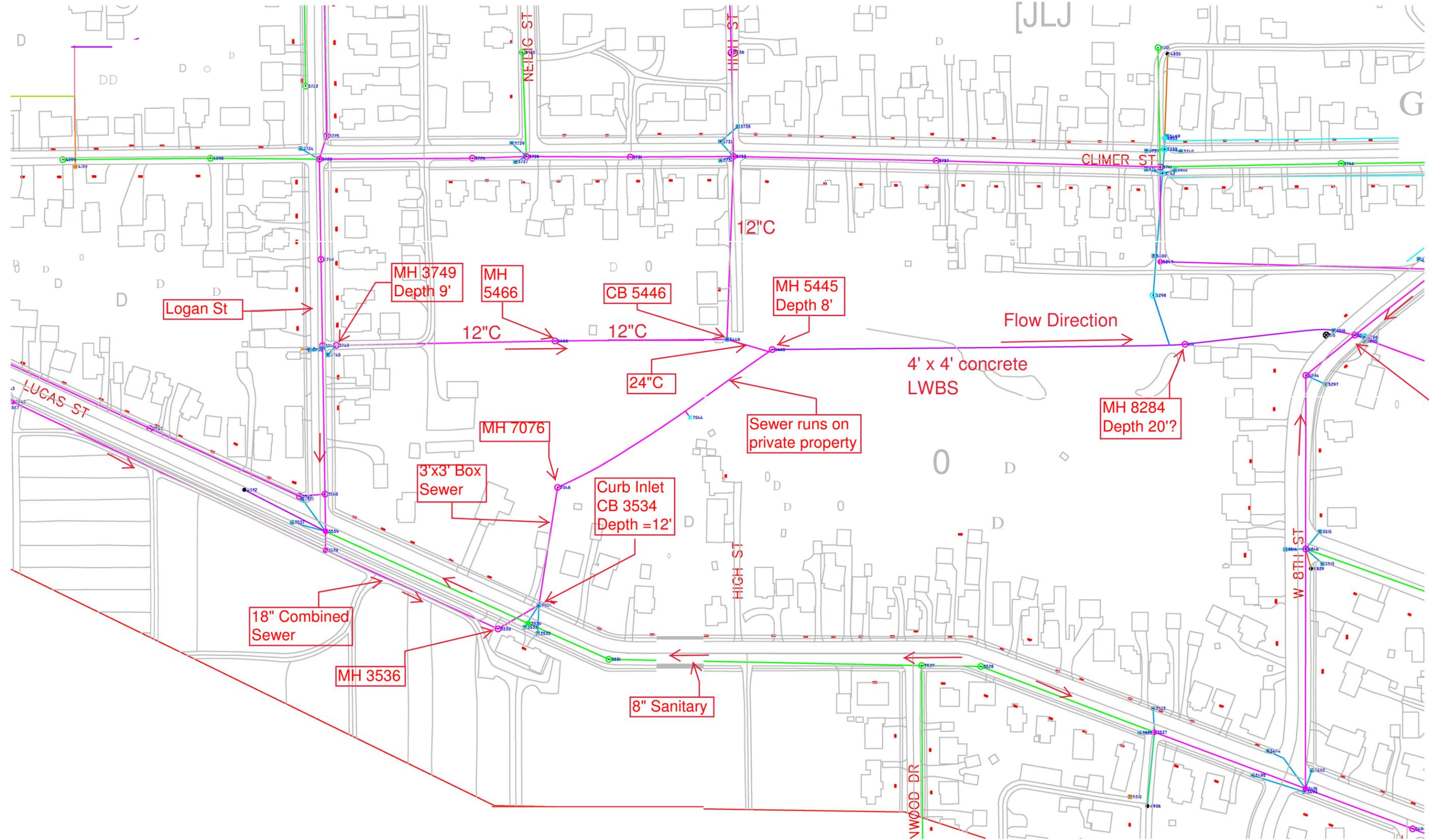
Televising 12" and 24" - \$ 2.75/LF

Sincerely,

Clint Albrecht

KMA Trucking and Excavating LLC
22050 277th Ave
LeClaire, IA 52753
563-940-1982

Figure 1
Muscatine, Iowa
Proposed Sewer Televising Locations
Date: 10-10-18



Logan St

MH 3749
Depth 9'

MH 5466

CB 5446

MH 5445
Depth 8'

MH 7076

3'x3' Box
Sewer

Curb Inlet
CB 3534
Depth =12'

Flow Direction

4' x 4' concrete
LWBS

Sewer runs on
private property

MH 8284
Depth 20'?

MH 3517
Depth = 21'

18" Combined
Sewer

MH 3536

8" Sanitary

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Sewer

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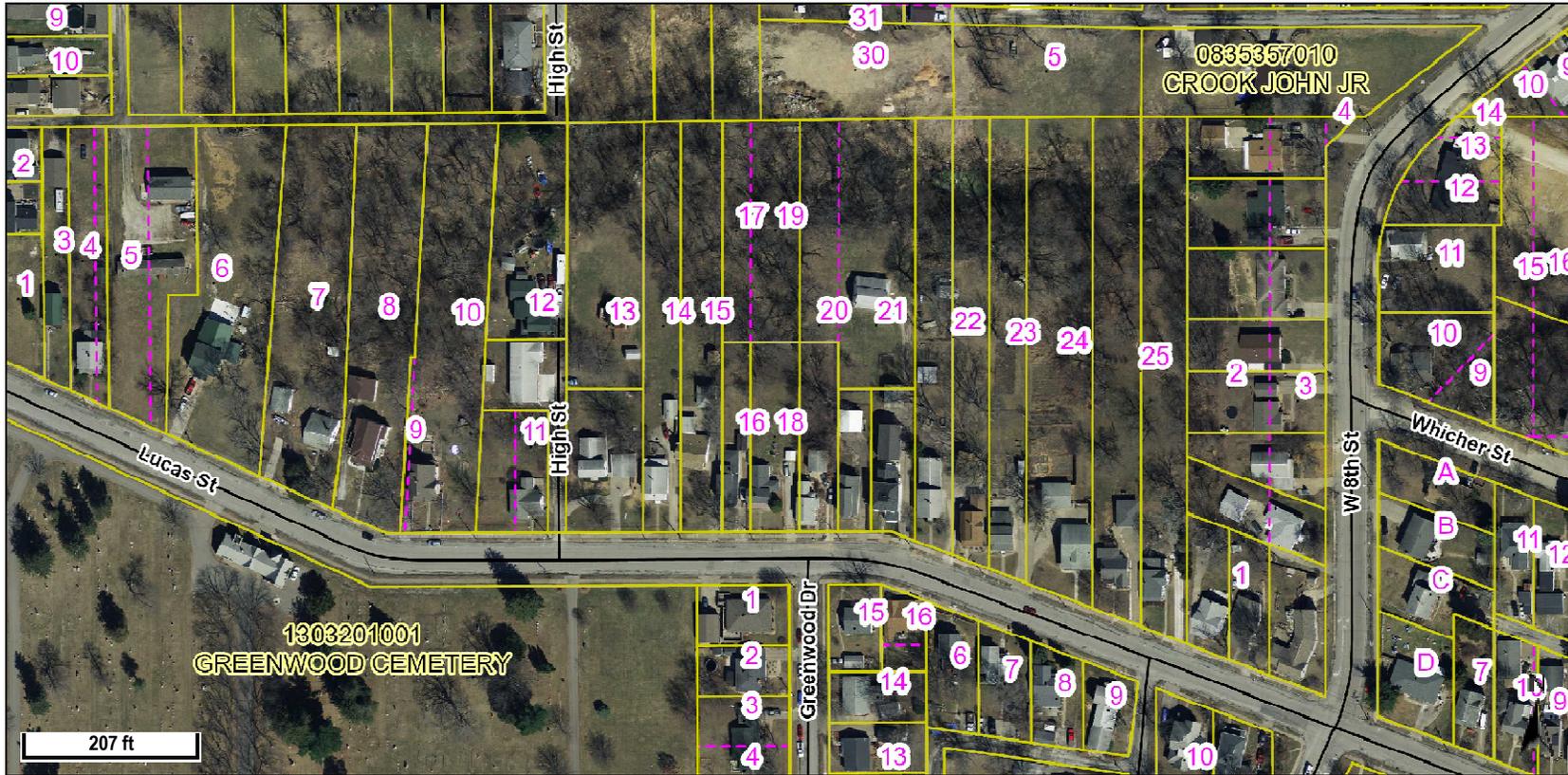
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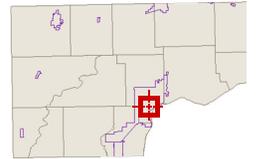
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Figure 2- Parcel Outlines From Beacon



Overview

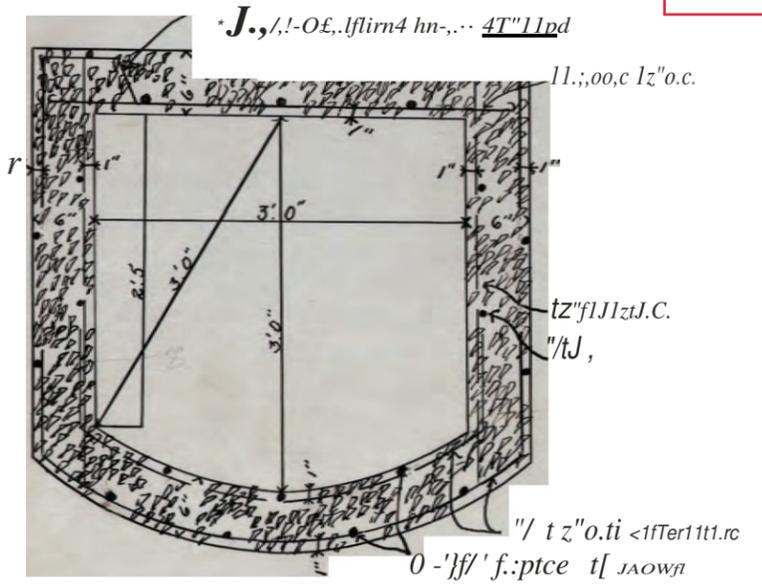


Legend

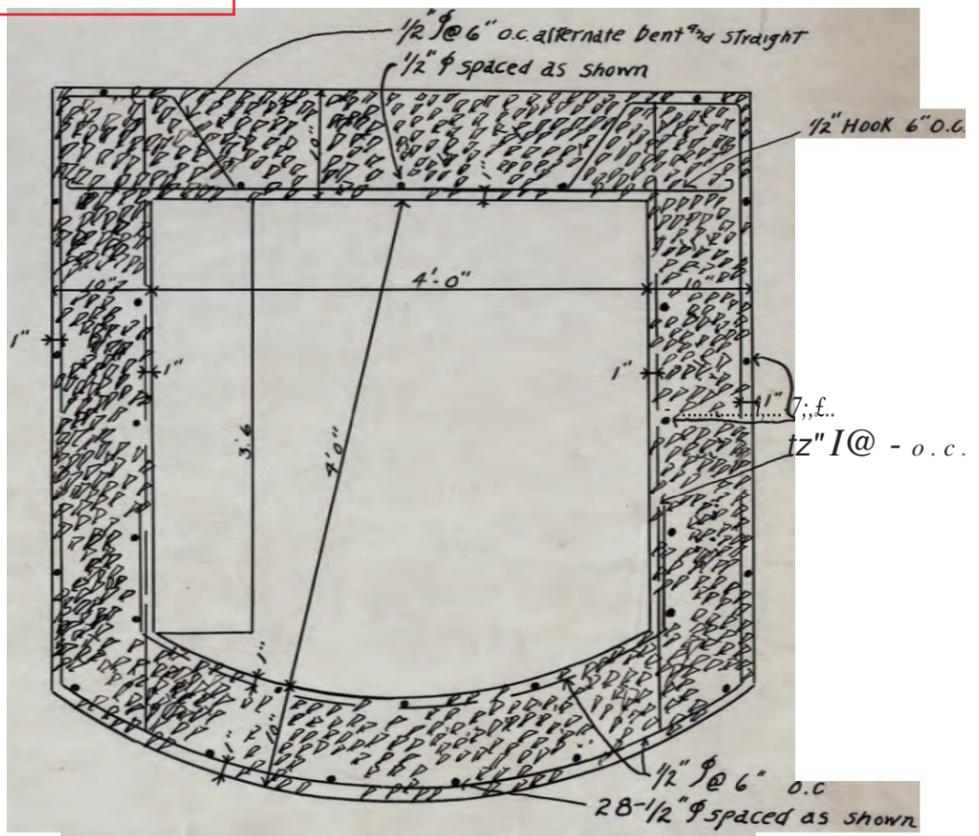
- Corporate Limits
- Political Township
- Dimension Leader
- 2
- 3
- Lot Numbers
- Parcels
- Lot Lines
- Roads
- <all other values>
- Airport Runway
- City Street
- County Road
- Neighbor County
- Private Drive
- State Highway
- Treadway
- US Highway
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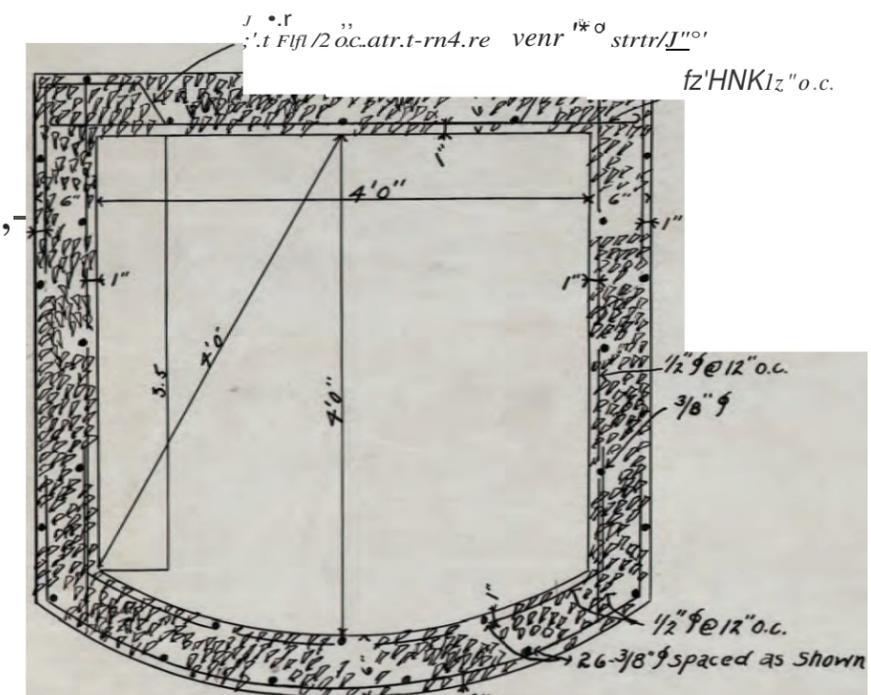
Figure 3
Geometry of existing LWBS



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CROSS SECTION THRU SEWER
 STATION-0+0-70- STATION-1+0=100'
 SCALE 1"=1'0"
 ESTIMATED STEEL= 72.26# PER LINEAL FOOT LRP.S NOT INCL.UDED.



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Televising Proposal Summary
Muscatine, Iowa

Date: 10/29/2018

	Linear Ft
Base - Televising	1,550.00
Optional - Televising	710.00
Optional - Cleaning	

Vendor	Base		Option			Option		Notes
	Unit Cost	Extended	Light Clean \$\$/LF	Heavy Clean \$\$/LF	Clean unit/hr	Unit Cost	Extended	
KMA	\$ 4.90	\$ 7,595.00			\$ 200.00	\$ 2.75	\$ 1,952.50	Can do in November. Contractor that is new to televising.
VisuSewer	\$ 6.85	\$ 10,617.50			\$ 565.00	\$ 6.85	\$ 4,863.50	Could Complete by 1-15-18. Vendor was used in 2014 for LWBS televising
HydroView		\$ 15,500.00	\$ 1.75	\$ 0.87			\$ 1,665.00	They would provide a more formal quote if there is more interest in his services. Light Cleaning 1.75/ft (two passes). Heavy Clean add \$0.87/ft per each additional pass till clean
National Power Rodding	\$ 15.00	\$ 23,250.00	\$ 10.00	\$ 25.00		\$ 15.00	\$ 10,650.00	
Central Iowa Televising		\$ -					\$ -	Spoke to on phone. Busy but was going to propose. Nothing received.
Municipal Pipe and Tool		\$ -					\$ -	Complete by April 30th. No price proposal provided.