
MEMORANDUM

TO: RANDY HILL, PUBLIC WORKS DIRECTOR

FROM: JON LUTZ, CITY ENGINEER

SUBJECT: GENEVA CREEK CHANNEL SHAPING - AWARD

DATE: OCTOBER 14, 2014

INTRODUCTION:

The City of Muscatine administers the Geneva Creek Levee System which protects the Heinz plant on Isett Ave. As a result of a recent inspection by the USACE, the levee system was assigned an unacceptable rating due to sediment and shoaling around the Isett Ave Bridge which has decreased its stormwater capacity.

Channel shaping is required to correct the problem. This work includes grading and debris removal to restore the original channel shape from construction in 1980. Concrete revetment will be placed along the channel for erosion protection to avoid having to perform this same work in the near future. Concrete slope protection under the bridge along the north abutment has failed and will be repaired as part of the project. A concept plan is attached which shows the length of channel shaping required. This work is beyond the scope of City forces.

The City of Muscatine approved a proposal from Martin & Whitacre Surveyors & Engineers, Inc. to prepare construction plans. Specifications were prepared by the City Engineer. Construction Plans are attached. The City of Muscatine received bids on October 10th, 2014.

BACKGROUND:

The City has budgeted \$50,000.00 from Collection & Drainage for this project. Bids were received as follows:

- | | |
|--------------------------------|--------------|
| 1. Sulzberger Excavating, Inc. | \$ 48,963.00 |
| 2. Hagerty Earthworks, LLC | \$ 96,399.00 |

The bids varied significantly due primarily to the contractor's current work under contract and availability to perform work. Detailed bid tabulation is attached. Sulzberger Excavating has successfully performed similar work on many projects and is well suited for the project. They are currently a subcontractor on the Forest Parkway Reconstruction Project and will be breaking the pavement and delivering the rubble from that project to the Geneva Creek site as part of that job. Project completion is set for May 30, 2015.

RECOMMENDATION/RATIONALE:

The City Engineer recommends approving the plans and awarding the Geneva Creek Channel Shaping Project to Sulzberger Excavating, Inc. at the October 16th, 2014 City Council meeting for \$48,963.00 and that Council authorize the Administrator and Mayor to enter into contract.

ADDITIONAL INFORMATION:

1. Bid Tabulation
2. Construction plans
3. Concept Plan

RESOLUTION NO. _____

**AWARD AND APPROVE CONTRACT FOR
GENEVA CREEK CHANNEL SHAPING PROJECT**

WHEREAS, competitive bids were received for the Geneva Creek Channel Shaping Project as detailed in the project specifications prepared by the City Engineer.

WHEREAS, the following bid is determined to be the lowest responsible bid for the Geneva Creek Channel Shaping Project.

<u>NAME & ADDRESS CONTRACTOR</u>	<u>AMOUNT OF BID</u>
Sulzberger Excavating, Inc. Muscatine, Iowa 52761	\$48,963.00

NOW, THEREFORE, BE IT RESOLVED, that the bid be awarded to Sulzberger Excavating, Inc. in the amount of \$48,963.00 and the Mayor and City Administrator are authorized and directed to enter into a written contract with said contractor covering the furnishing of material for, and construction of the Geneva Creek Channel Shaping Project, such contract not to be binding until approved by resolution of this Council.

PASSED, APPROVED, AND ADOPTED THIS 16th DAY OF OCTOBER, 2014.

DeWayne Hopkins, Mayor

ATTEST:

Gregg Mandsager, City Administrator

Bid Tabulation

Date: 10/10/2014

City of Muscatine
Public Works

2014 Geneva Creek Channel Shaping

#	ITEM	QUANTITY	UNITS	Sulzberger Excavating		Hagerty Earthworks	
				COST/UNIT	EXTENDED PRICE	COST/UNIT	EXTENDED PRICE
1	Cut Earthwork	2213	CY	\$5.00	\$11,065.00	\$10.00	\$22,130.00
2	Concrete Revetment	610	CY	\$10.50	\$6,405.00	\$36.00	\$21,960.00
3	Haul and Place Excess Earthwork	1603	CY	\$6.00	\$9,618.00	\$8.00	\$12,824.00
4	Rural Seeding	116	SQ	\$5.00	\$580.00	\$20.00	\$2,320.00
5	Urban Seeding	200	SQ	\$5.00	\$1,000.00	\$20.00	\$4,000.00
6	Excelsior Matting	116	SQ	\$30.00	\$3,480.00	\$150.00	\$17,400.00
7	Extend Existing 36" Culvert	15	LF	\$100.00	\$1,500.00	\$125.00	\$1,875.00
8	Concrete Berm Repairs	14	CY	\$750.00	\$10,500.00	\$400.00	\$5,600.00
9	Special Backfill Placement	30	CY	\$50.00	\$1,500.00	\$28.00	\$840.00
10	Clearing & Grubbing	1	LS	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00
11	Sidewalk Removal and Replacement	55	SY	\$33.00	\$1,815.00	\$90.00	\$4,950.00
				Total Bid	\$48,963.00	Total Bid	\$96,399.00

Geneva Creek Channel Shaping

This map is a print product of the City of Muscatine Information Viewer. All data is displayed in Iowa State Plane South Coordinate System.



GENEVA CREEK CHANNEL SHAPING CITY OF MUSCATINE

MUSCATINE, IOWA

PROJECT ENGINEER

ADAM SHUTT, P.E.
MARTIN & WHITACRE SURVEYORS & ENGINEERS, INC
563-263-7691

CITY OF MUSCATINE CONTACTS

PUBLIC WORKS 563-263-8933

PROJECT DESCRIPTION: CHANNEL SHAPING OF GENEVA CREEK TO REPAIR SCOUR & SHOALING AT ISETT AVENUE BRIDGE AS REQUIRED FOR GENEVA CREEK LEVEE MAINTENANCE

SHEET LIST

- A.01 TITLE SHEET
- B.01 TYPICAL SECTION
- D.01 CREEK PLAN & PROFILE
- W.01 CROSS SECTIONS

GENEVA CREEK CHANNEL SHAPING
CITY OF MUSCATINE
MUSCATINE, IOWA
7778.14

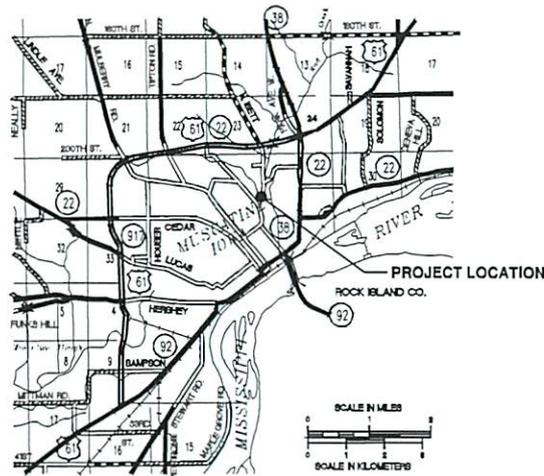
**Martin & Whitacre
Surveyors & Engineers, Inc.**
MUSCATINE, IOWA
P.O. BOX 413
VOICE (563) 263-7691 FAX (563) 263-0048
EMAIL info@martin-whitacre.com



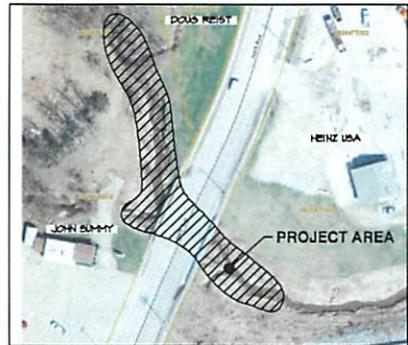
REVISIONS

- 1
- 2
- 3
- 4

DATE: 09/23/2014
JOB NO: 7778.14
SHEETS 4
SHEET A.01



VICINITY MAP
NO SCALE



THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT IOWA STATEWIDE URBAN DESIGN STANDARDS AND SPECIFICATIONS, CITY BIDDING DOCUMENTS AND PROJECT SPECIAL CONDITIONS

CONTRACTORS SHALL CALL IOWA ONE CALL 1-800-382-6989 PRIOR TO START OF WORK. EXISTING UTILITIES SHOWN ARE DERIVED FROM SURVEY & MAPPING DATA. FIELD LOCATE AND VERIFY ALL UTILITIES SHOWN. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND REPAIR DAMAGES.

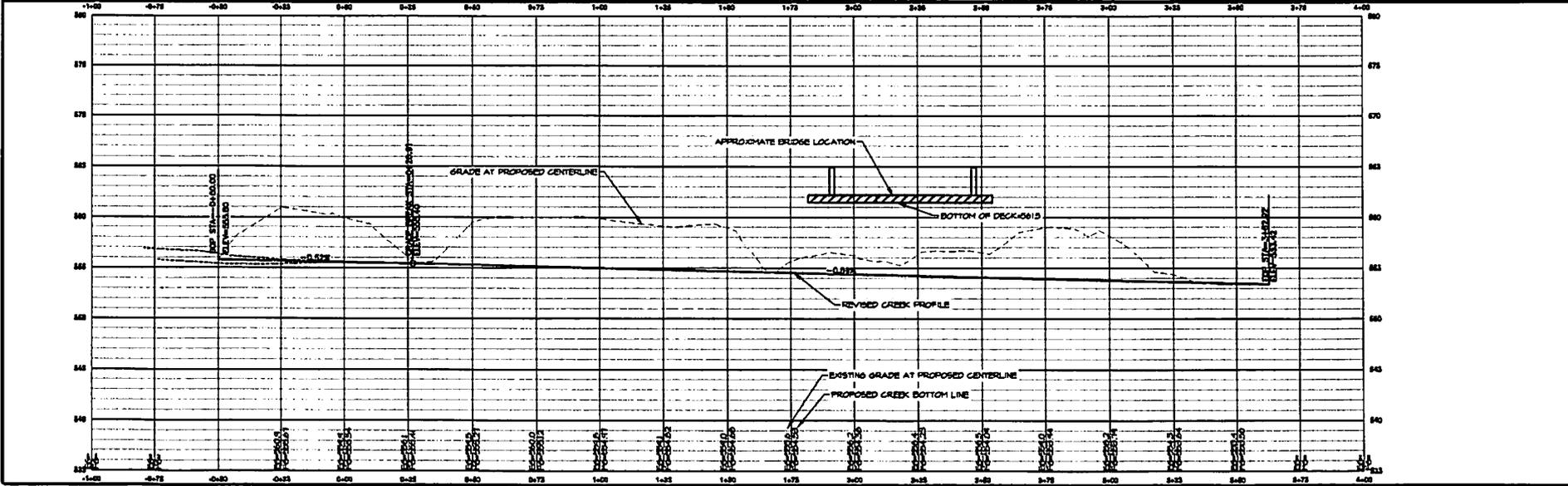
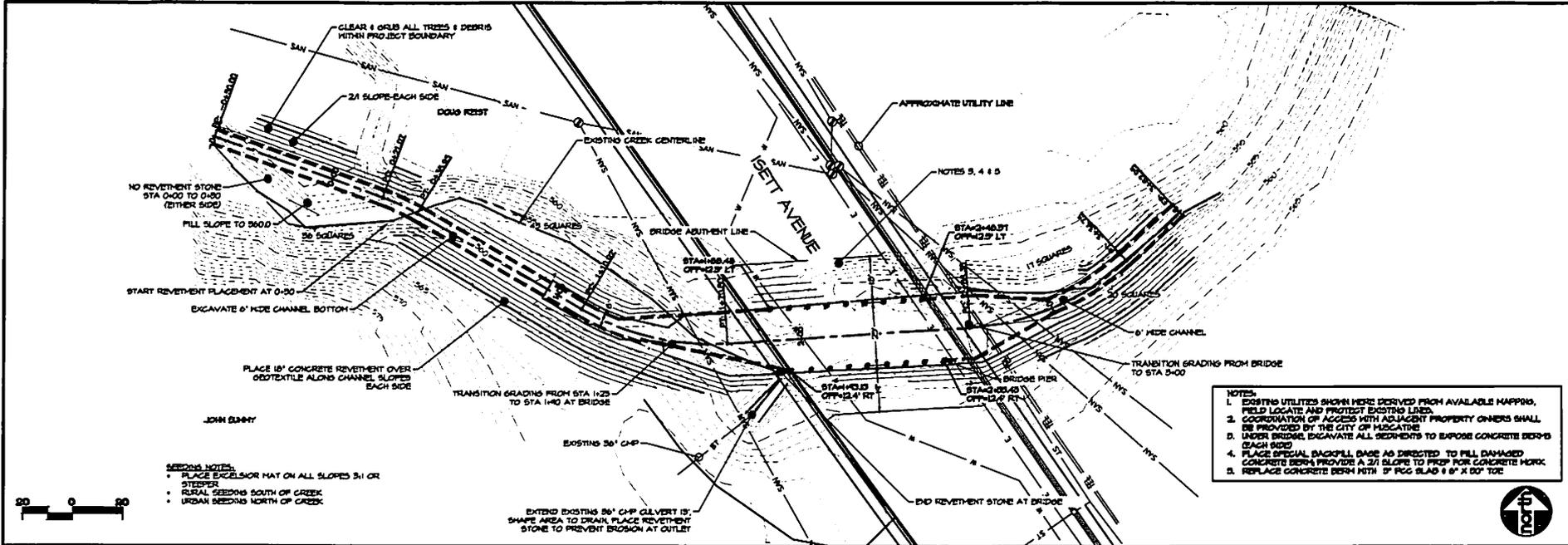
APPROVED: _____ DATE: _____
JON H. LUTZ, P.E. - CITY ENGINEER



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

ADAM H. SHUTT, P.E. IA. REG. NO 19284 DATE _____
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2014

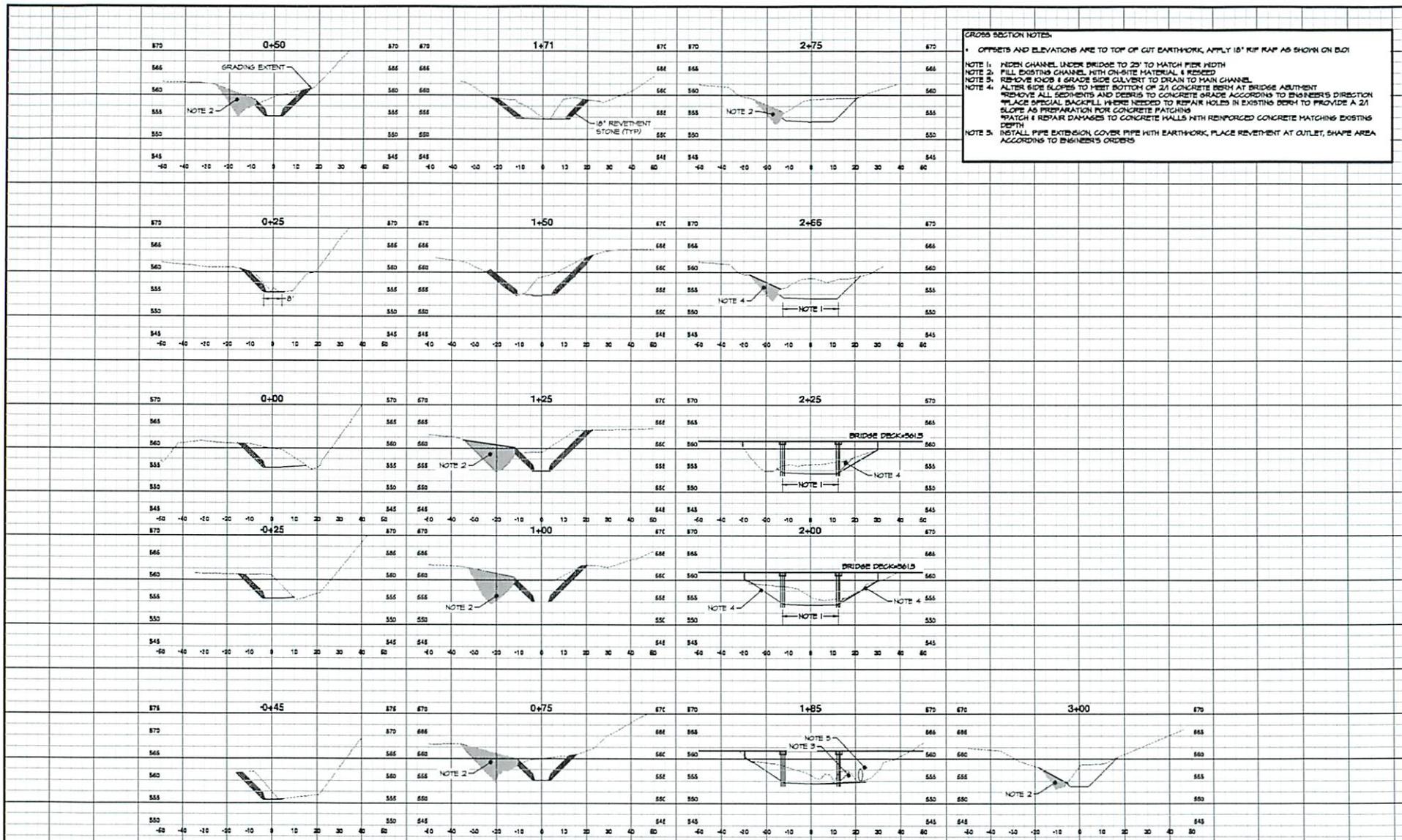
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NO.	REVISIONS	INITIALS	DATE

CITY OF MUSCATINE	MUSCATINE, IOWA	MUSCATINE, IOWA
GENEVA CREEK CHANNEL SHAPING	CREEK PLAN & PROFILE	PROJECT NO. 7776-14
DWG 776-04-01	DATE 07/23/2014	SHEET D.01

Martin & Whitacre
Surveyors & Engineers, Inc.
 P.O. BOX 415
 MUSCATINE, IOWA 52556
 PHONE (319) 261-0001
 FAX (319) 261-0008
 EMAIL: martin@martinwhitacre.com



CROSS SECTION NOTES

- OFFSETS AND ELEVATIONS ARE TO TOP OF CUT EARTHWORK, APPLY 15' R/F R/W AS SHOWN ON B.O.I
- NOTE 1: NIDEN CHANNEL UNDER BRIDGE TO 25' TO MATCH FIERK NIDEN
- NOTE 2: FILL EXISTING CHANNEL WITH ON-SITE MATERIAL & RESEED
- NOTE 3: REMOVE KNOB & GRADE SIDE CULVERT TO DRAIN TO MAIN CHANNEL
- NOTE 4: ALTER SIDE SLOPES TO MEET BOTTOM OF 24\"/>

NO.	REVISIONS	INITIALS	DATE

DRAWN BY: _____
 APPROVED: _____



Martin & Whitacre
 Surveyors & Engineers, Inc.
 P.O. BOX 413 MUSCATINE, IOWA
 VOICE (563) 263-7581 FAX (563) 263-0048 EMAIL info@martin-whitacre.com

CITY OF MUSCATINE
 MUSCATINE, IOWA
 GENEVA CREEK CHANNEL SHAPING
CROSS SECTIONS
 PROJECT NO. 7778.14

DWG 7778-08L210
 DATE 09/23/2014
SHEET
 W.01