



Real People. Real Solutions.

116 North Wilson Avenue
PO Box 68
Jefferson, IA 50129

Phone: (515) 766-4423
Bolton-Menk.com

May 7, 2026

Board of Supervisors
Worth County Courthouse
1000 Central Ave
Northwood, Iowa 50459

RE: Open Ditch Cleanout
Drainage District No. 46
Project No.: 25X.139081

Dear Board Members:

An open ditch cleanout has been proposed to take place along the main open ditch in Drainage District No. 46 in Worth County, Iowa. The cleanout is to occur downstream of a box culvert located under Interstate 35 in Section 8 of Hartland Township. In coordination with the Iowa Department of Transportation, the cleanout of the ditch is to take place prior to IDOT cleaning out the box culvert.

The construction cost estimate for this project is \$45,640. The cost estimate is attached to this letter. This project meets the criteria for the Worth County Board of Supervisors to seek out quotes from contractors for the project, without needing to hold a hearing or a bid opening.

Sincerely,
Bolton & Menk, Inc.

Jon Rosengren, P.E.
Project Manager

ENGINEER'S ESTIMATE

DRAINAGE DITCH - OUTLET STUDY
DRAINAGE DISTRICT NO. 46
WORTH COUNTY, IOWA
BMI PROJECT NO. 25X.139081.000



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Date: 5/7/2026

Item No.	Item	Estimated Quantity	Unit	Unit Price	Total Amount
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DD 46 MAIN OPEN DITCH

101	EXCAVATION	7,580	CY	\$3.00	\$22,740.00
102	CLEARING & GRUBBING	1	LS	\$5,000.00	\$5,000.00
103	SPOIL LEVELING (BOTH SIDES)	22	STA	\$175.00	\$3,850.00
104	DAILY SEED & FERTILIZE BANKS	22	STA	\$100.00	\$2,200.00
105	SPOIL TILLAGE AND ROCK PICK-UP	22	STA	\$25.00	\$550.00
106	RIPRAP, CLASS D	100	TN	\$50.00	\$5,000.00
107	EROSION MANAGEMENT PLAN	1	LS	\$500.00	\$500.00
108	MOBILIZATION	1	LS	\$2,400.00	\$2,400.00
109	BEAVER DAM REMOVAL	2	EA	\$600.00	\$1,200.00
					\$43,440.00

CONSTRUCTION CONTINGENCY	\$2,200.00
ESTIMATED CONSTRUCTION COSTS TOTAL:	\$45,640.00

CONSTRUCTION PLANS FOR DRAINAGE DISTRICT NO. 46 OPEN DITCH CLEANOUT WORTH COUNTY, IOWA MAY 2026

GOVERNING SPECIFICATIONS

THE SPECIFICATIONS AS PREPARED BY IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP AND BOLTON & MENK, INC. SHALL BE CONSIDERED AS PART OF THIS DOCUMENT. NATURAL RESOURCES CONSERVATION SERVICE CONSTRUCTION SPECIFICATIONS SHALL APPLY.

THE CURRENT EDITION OF THE "IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" SHALL GOVERN.

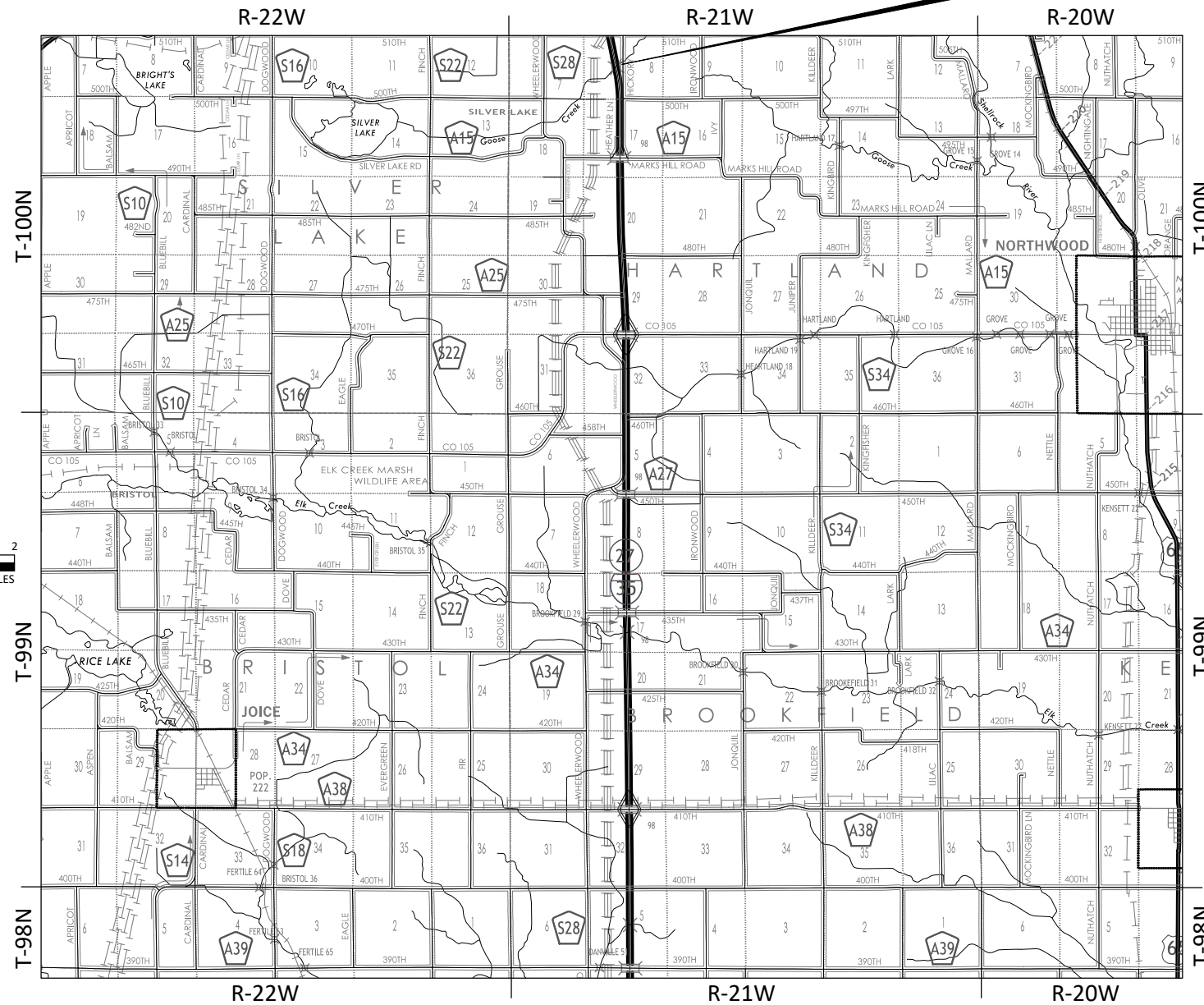
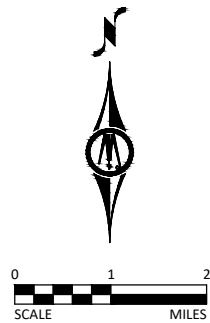
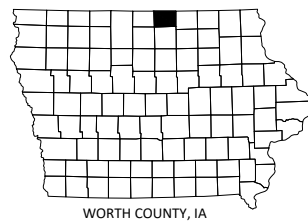
IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" AND ALL CURRENT GENERAL SUPPLEMENTAL SPECIFICATIONS AND MATERIALS INSTRUCTIONAL MEMORANDUM SHALL GOVERN AS REFERENCED.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

PROJECT LOCATION



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING IOWA ONE CALL BY PHONE AT 811, OR ON THE WEB AT [HTTP://WWW.IOWAONECALL.COM/](http://www.iowaonecall.com/). TICKET# TICKET NUMBER MUST BE PROVIDED TO THE NRCS PRIOR TO COMMENCEMENT OF WORK.



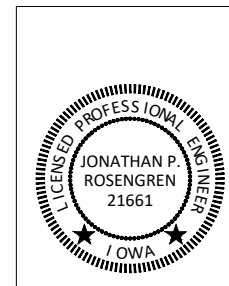
SHEET INDEX

SHEET NO.	SHEET TITLE
A.01	TITLE SHEET
D.01	PLAN & PROFILE - DITCH CLEANOUT
D.02	PLAN & PROFILE - DITCH CLEANOUT
X.01	CROSS SECTIONS
X.02	CROSS SECTIONS
X.03	CROSS SECTIONS

CLIENT ACCEPTANCE

SIGNATURE _____ DATE _____

PROJECT DATUM: STATE PLANE
HORIZONTAL: IOWA NORTH
VERTICAL: NAVD 1988



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.

JONATHAN P. ROSENGREN, P.E.
LICENSE NUMBER 21661 DATE: _____
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2026
PAGES OR SHEETS COVERED BY THIS SEAL:
ALL SHEETS _____

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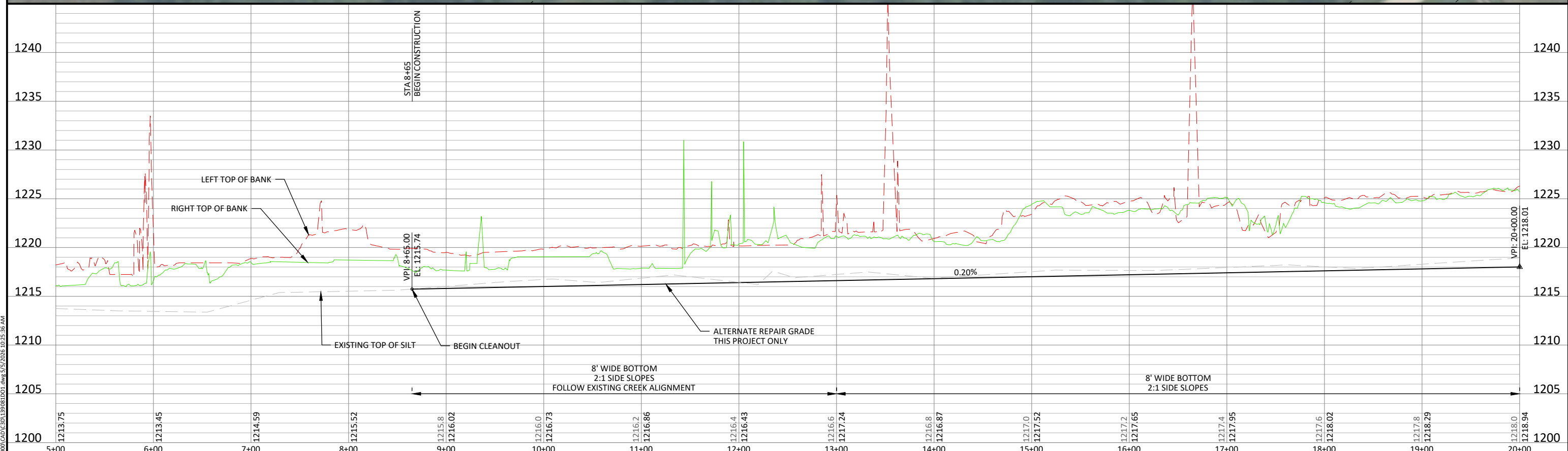


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DESIGNED	REV	DESCRIPTION	DATE
JPR			
NVD			
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JPR			
CLIENT PROJ. NO.:	25X.139081.000		

DRAINAGE DISTRICT NO. 46
WORTH COUNTY, IOWA
TITLE SHEET

SHEET
A.01



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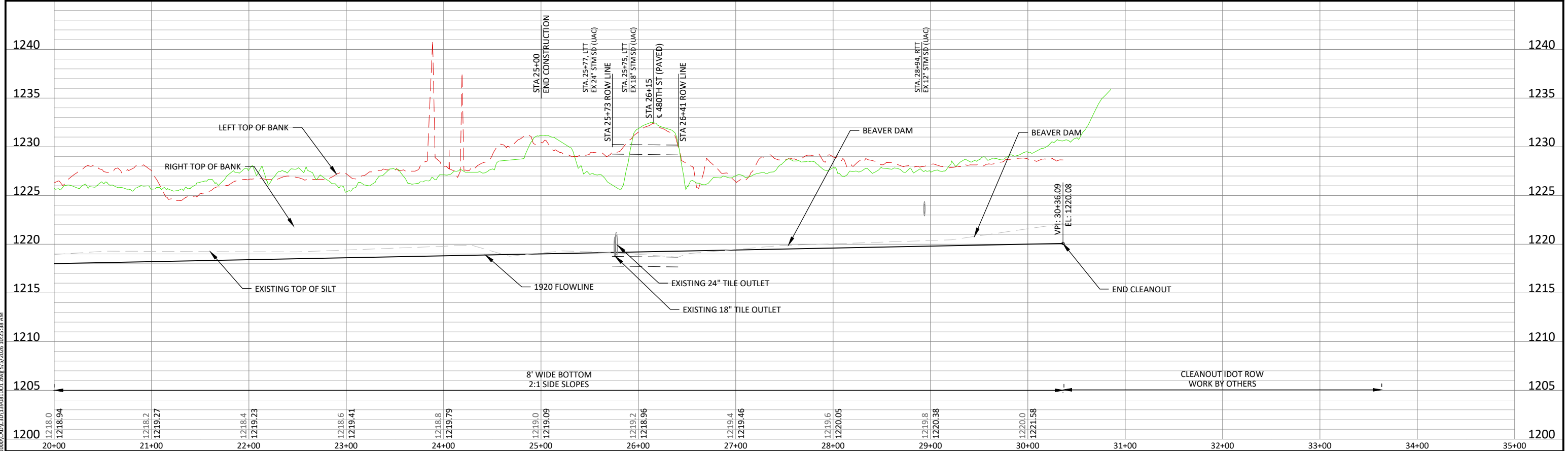
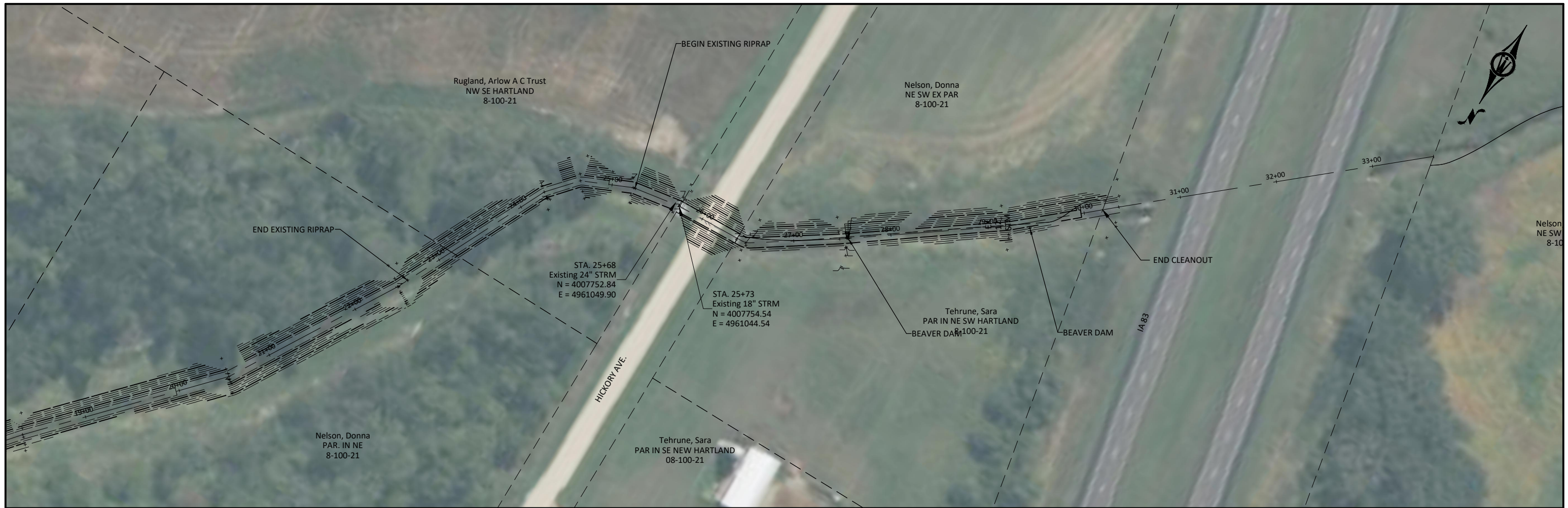


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DRAINAGE DISTRICT NO. 46
WORTH COUNTY, IOWA
PLAN & PROFILE - DITCH CLEANOUT

SHEET
D.01



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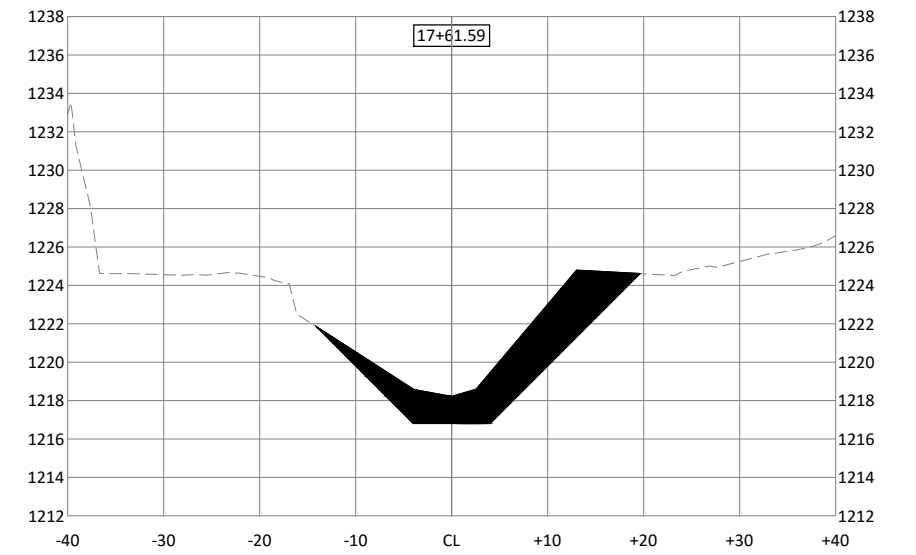
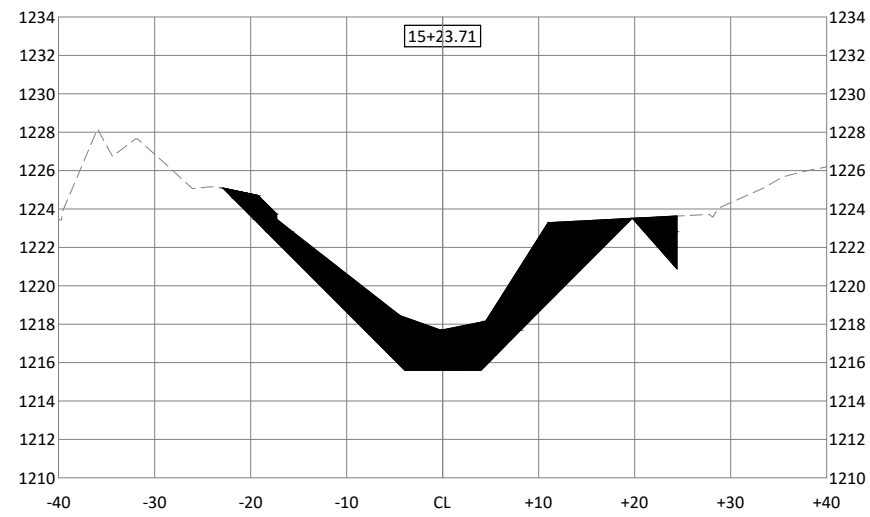
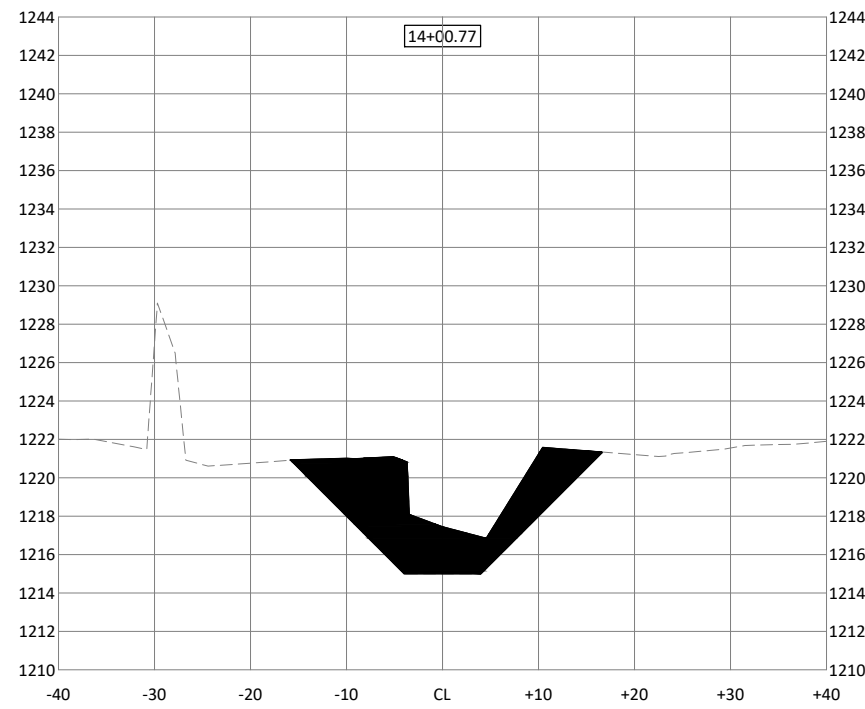
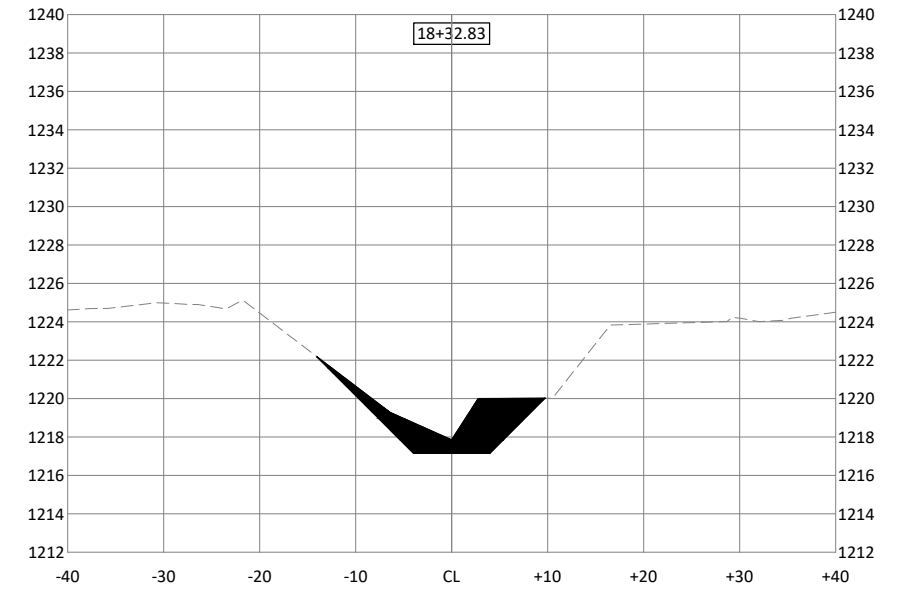
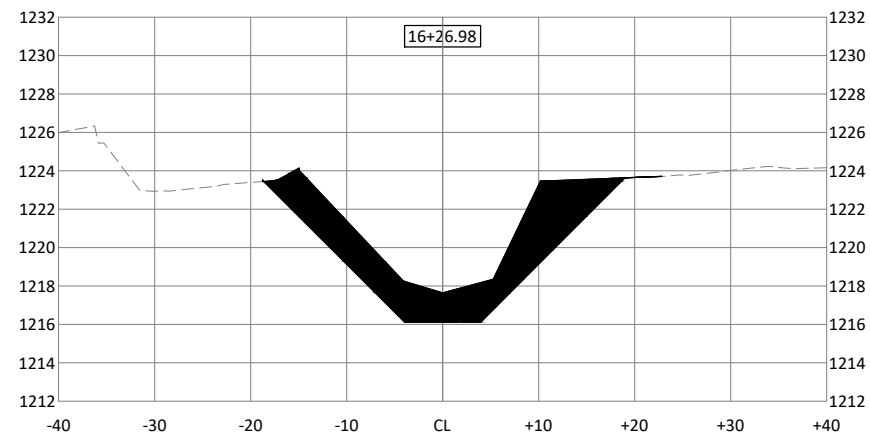
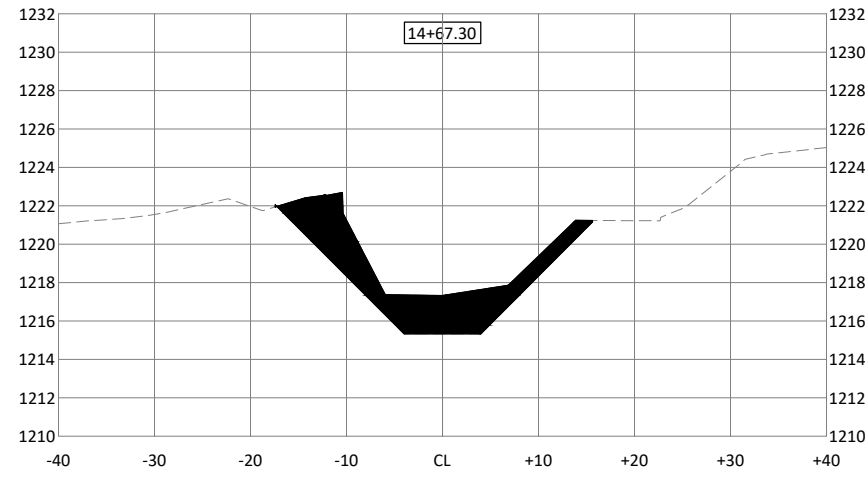


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DRAINAGE DISTRICT NO. 46
 WORTH COUNTY, IOWA
 PLAN & PROFILE - DITCH CLEANOUT

SHEET
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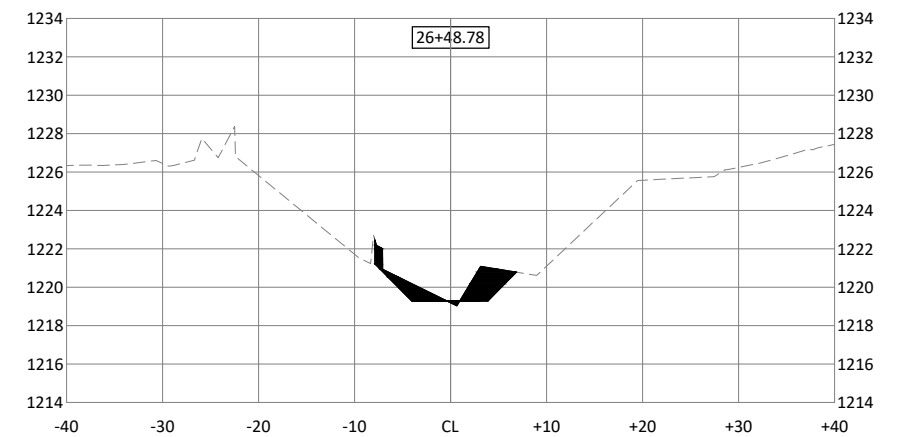
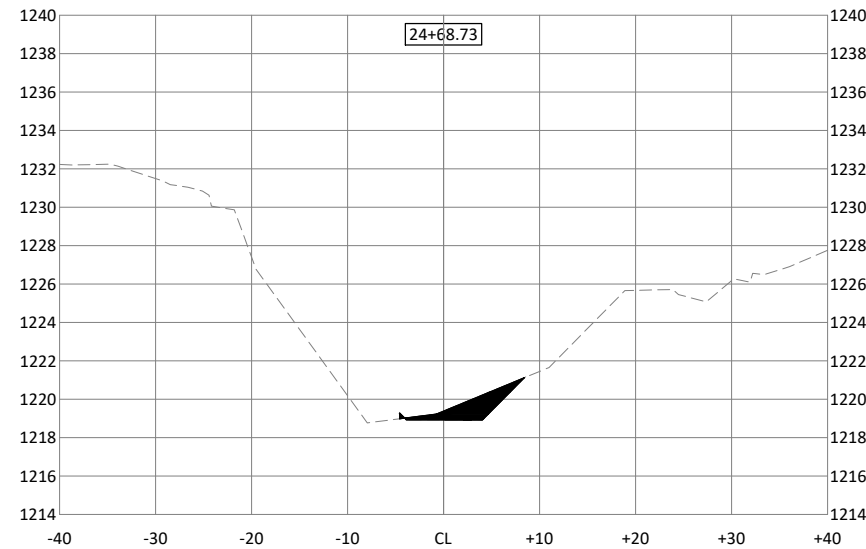
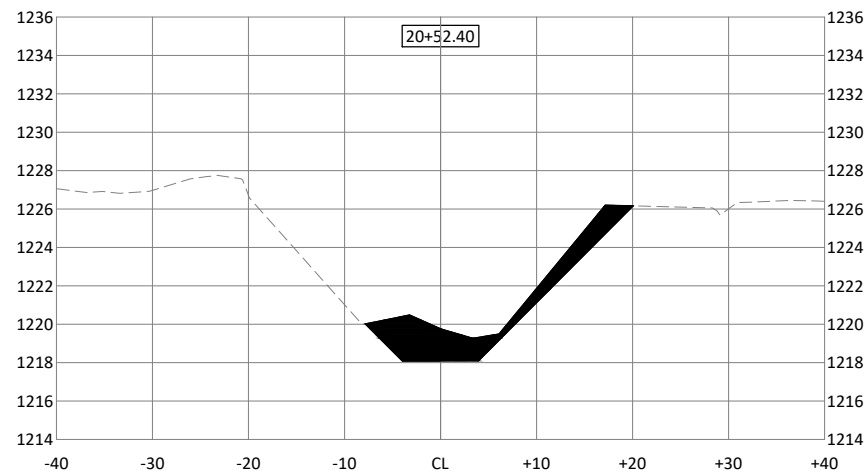
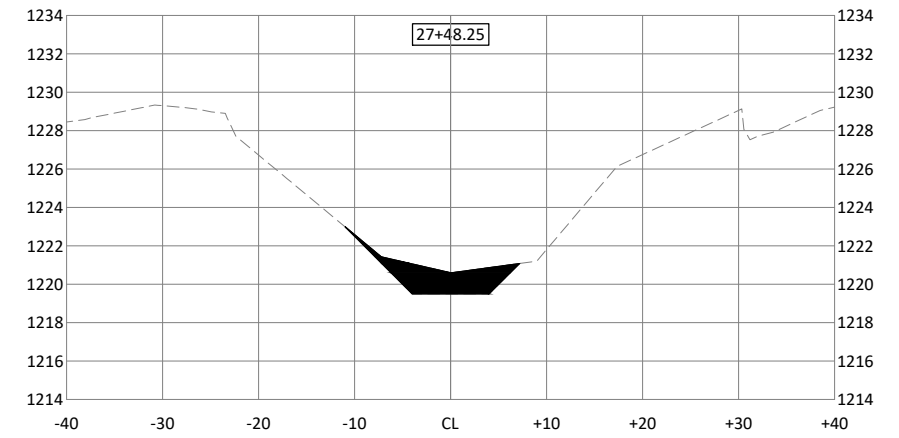
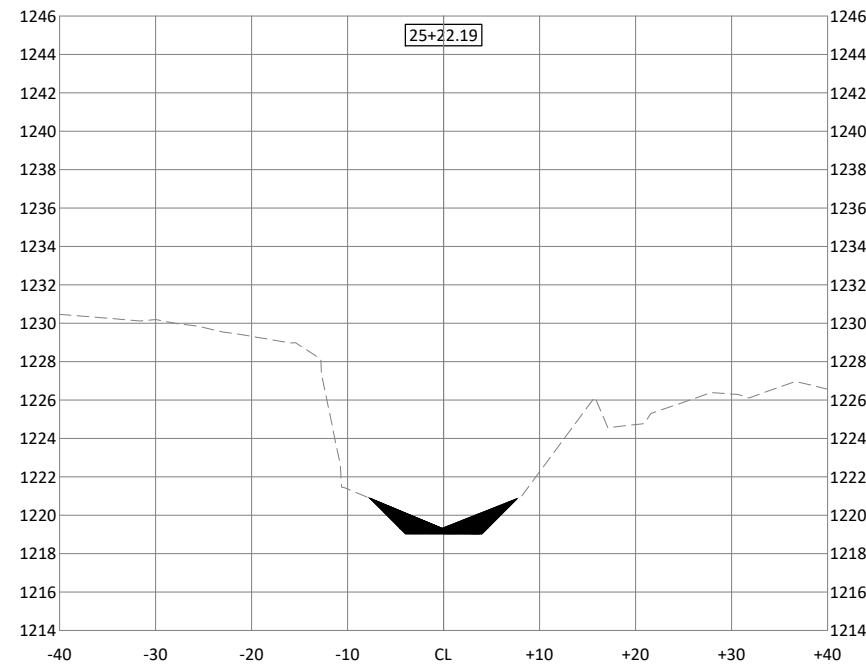
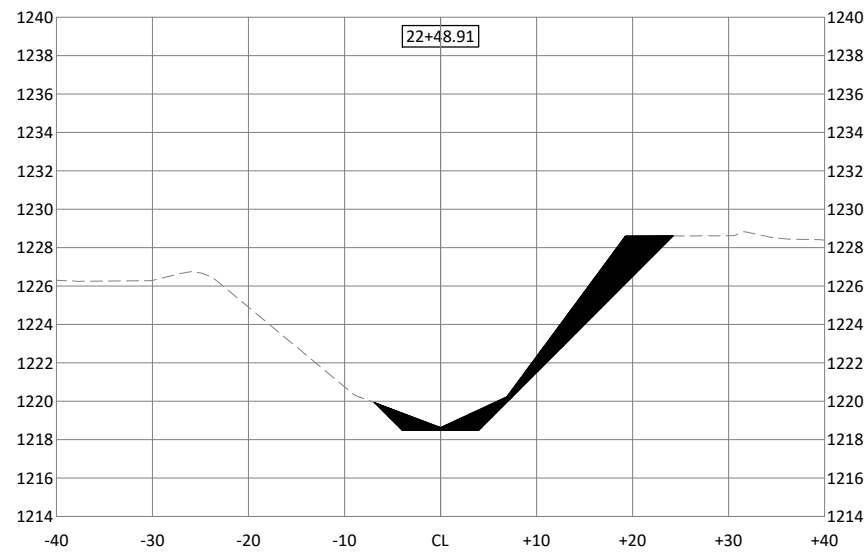
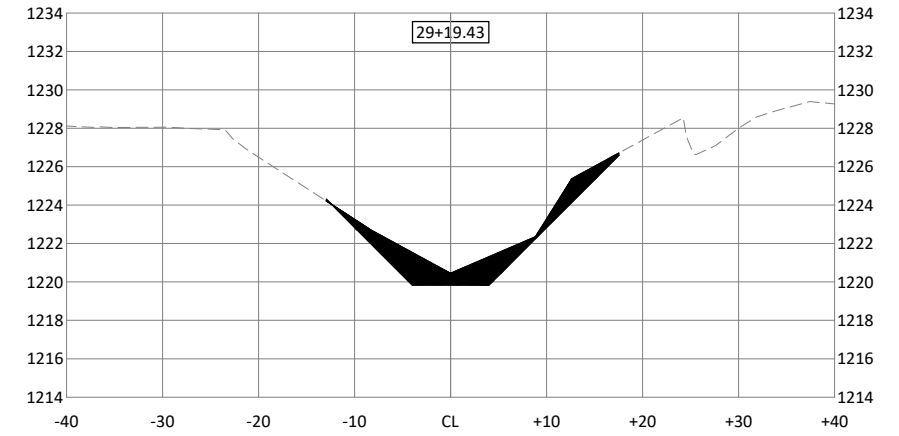
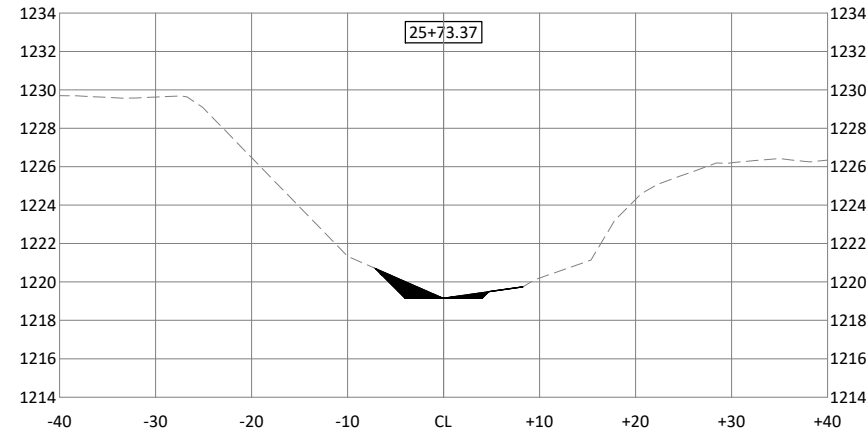
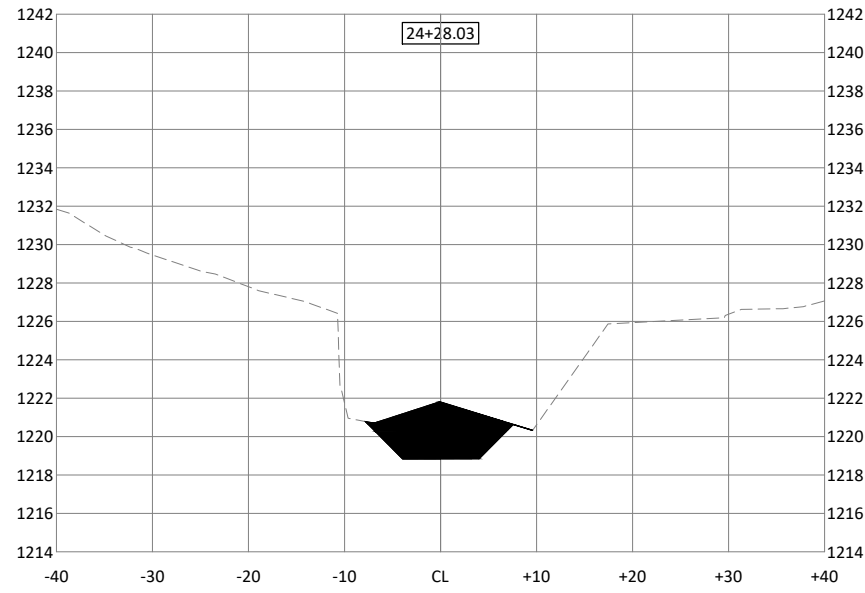
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DRAINAGE DISTRICT NO. 46
WORTH COUNTY, IOWA
CROSS SECTIONS

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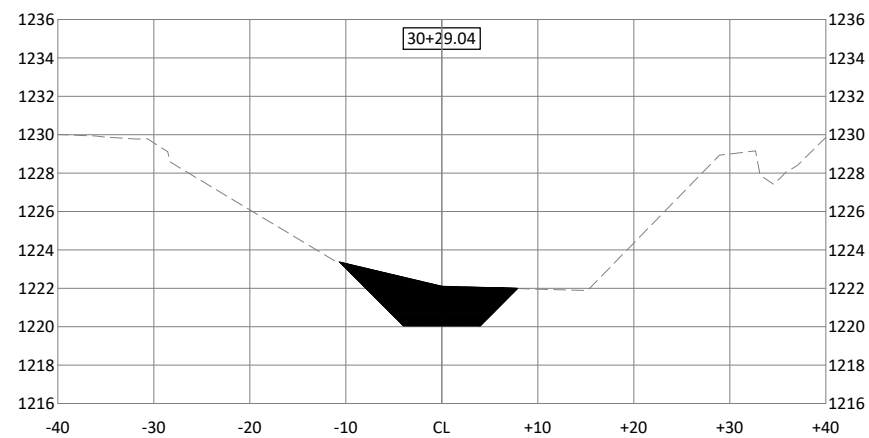


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CROSS SECTIONS

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