



# **SALIX DRAINAGE DISTRICT**

## **REPORT FOR CREATION OF DRAINAGE DISTRICT**

**AMENDED NOVEMBER 20, 2023  
SALIX, IOWA**



**VEENSTRA & KIMM INC.**  
203 Sergeant Square Drive, Suite B // P.O. Box 220  
Sergeant Bluff, Iowa 51054

712.943.5055 // 877.241.8009  
www.v-k.net

November 20, 2023

Woodbury County Board of Supervisors  
Attn: Patrick Gill, Auditor  
620 Douglas St. #106  
Sioux City, Iowa 51101

**CITY OF SALIX  
AMENDED REPORT FOR CREATION OF DRAINAGE DISTRICT**

Dear Mr. Gill,

After the report was filed on October 3, 2023, Veenstra & Kimm Inc. received requests for an amendment to the Engineers Report. After researching the concerns, the report has been amended.

It was noted that MidAmerican Energy Co. has an electric easement along 280th Street. The original report did not take this easement into consideration and had the power lines being moved. Based on the electric easement, the power lines will remain where they are, and the district easement has increased in width and shifted to the north for portions located in the SW  $\frac{1}{4}$  of section 35 and the SE  $\frac{1}{4}$  of 24 located west of I-29. The district easements also shifted south for portions within the N portion of section 4. The proposed drainage easements in section 6 have been updated.

Another revision to the report is in the engineers estimates within the Opinion of Cost section. The right-of-way costs have been updated for the actual drainage easements purchased rather than for the entire drainage easement. It was determined that half of the cost for the Lateral 1 culvert should be the responsibility of the City of Salix rather than the County. Additional construction items were added to the estimates that were not part of the original report such as pavement and modified subbase.

Please do not hesitate to call me if you have any questions regarding the report. Thank you.

VEENSTRA & KIMM, INC.

Patrick Mouw, P.E.  
Project Manager / Sergeant Bluff Branch

**REPORT DOCUMENTS  
FOR  
CREATION OF  
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA**

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



Signed:

Date:

11/20/2023

Patrick E. Mouw, P.E.

Iowa License No. 20839

My license renewal date is December 31, 2023

Detailed parts covered by this seal:

ALL

Prepared by  
VEENSTRA & KIMM, INC.  
Sergeant Bluff, Iowa

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# DRAINAGE DISTRICT CREATION

## REPORT SUMMARY

Soon after signing the Agreement for Professional Services for the creation of the Salix Drainage District between the Woodbury County Board of Supervisors, acting as Trustees for the Salix Drainage District, and Veenstra & Kimm, Inc., a meeting was held with two of the petitioners. They requested the district have the approximate boundary of the Union Pacific Railroad on the east, 275th Street (Poplar Street) on the north, 280th Street on the south, and the west line of the NW and the SW of the SE quarter of section 33-87-47 on the west. These boundaries were the same as was shown on the map submitted with the Petition dated November 14, 2022.

Shortly after the meeting, Veenstra & Kimm, Inc. began surveying the lands. The topography is very flat, generally the slope of the ground within the proposed district slopes from the north towards the south. Also excluding the appearance of an old oxbow in the southeast corner of the district, the district slopes from the east to the west. These factors and others lead to the establishment of the Main Ditch predominately along 280th Street. However, after the surveys were initially completed, Rick Patterson approached the petitioners and the engineer requesting that some of his land be included in the district.

Rick Patterson initially requested a lateral along Benton Avenue commencing at 280th Street continuing north to the Interstate 29 right-of-way. However, after the initial design was completed, it was determined that buildings, trees and grain bins would have to be removed to develop the ditch. It was therefore determined that Lateral 1 would predominately parallel Interstate 29 rather than along Benton Avenue.

Regarding capacity of the ditch, a 5-year storm event was utilized. This required a 20' wide bottom width with 3 horizontal to 1 vertical side slopes from the outlet to near station 51+00. Continuing upstream the bottom width decreased to 12'. This was possible due to the depth of the ditch. At the outlet the average depth of the ditch is approximately 6', this increases to approximately 9' upstream from station 51+00. At the confluence with Lateral 1 the ditch bottom again decreases, to 4'. This width is maintained through the remaining main ditch.

The main ditch slope of the profile is designed at a rate of 0.0474% or 2.5' per mile from the outlet to station 42+92.91. From station 42+92.91 to station 55+36.65 the slope of the profile is 0.294% or 15.5' per mile. Near this location there is a significant change in elevation of the ground, thus the significant change in slope. From station 55+30.65 to the beginning of the main ditch the slope of the profile is 0.0228% or 1.2' per mile. Other slopes in this portion were reviewed. However, this slope proved to be the lowest cost when reviewed based on hydraulics, right-of-way, and construction of the ditch. It also afforded positive drainage for Lateral 1 and Lateral 2.

Lateral 1 was designed with a bottom of 4' and 3 horizontal to 1 vertical side slopes. Within portions of the laterals the bottom width could have been reduced for hydraulic capacity, however construction of a ditch with narrower bottom widths has previously proved to be problematic with conventional construction equipment and thus was not recommended. The slope of the ditch profile is 0.0242% or 1.28' per mile. The profile was determined from the flowline of main ditch at the confluence of Lateral 1 and the 30" RCP culvert under Interstate 29.

Lateral 2 was designed with a bottom width of 4' and 3 horizontal to 1 vertical side slopes. Within portions of the laterals the bottom width could have been reduced for hydraulic capacity, however construction of a ditch with narrower bottom widths has previously proved to be problematic with conventional construction equipment and thus was not recommended. The slope of the ditch profile is 0.0869% or 4.59' per mile. The profile was determined from the flowline of the main ditch at the confluence of Lateral 2 and the flow line of the 15" RCP culvert near the intersection of Lakeport Street and Maple Street.

Lateral 3 is the existing storm sewer system of the City of Salix, Iowa. In conversations with the petitioners, it is recommended that these be included into the plans for the creation of the drainage district.

Thus, the proposed drainage district right-of-way is recommended as follows:

### **Main Ditch**

Commencing at the west line of Lot E of the Auditors Plat of part of sections 4 and 5 Township 86 North, Range 46 West as filed in envelope 338B in the Woodbury County Courthouse. Thence east along the south right-of-way line of 280th Street to a parcel filed Instrument 2023-03627 as filed in the Woodbury County Courthouse. Thence following along the south and east side of said deed to the south right-of-way of 280th Street. Thence continuing east along said right-of-way line 160 feet. Thence to the north right-of-way commencing at the west line of the SE ¼ of Section 33, thence east to the west right-of-way of Interstate 29. Thence continuing from the east right-of-way line of Interstate 29 and 102 feet wide right-of-way located north of the south line of Section 34 to Lakeport Street. Thence continuing east along the north right-of-way line of 280th Street to Tama Street. Thence north in the west right-of-way Tama Street to the south right-of-way line of Walnut Street.

### **Lateral 1**

Commencing at 280th Street thence continuing north along the west right-of-way line of Interstate 29 to the south of right-of-way line of 275th Street. Thence crossing 275th Street and continuing along the west right-of-way line to the south line of a parcel as filed in deed book 350-368 as filed in the Woodbury County Courthouse. Thence west along the south line of the parcel to the west right-of-way of Benton Avenue. Thence north along the west right-of-way line of Benton Avenue to the westerly right-of-way of Interstate 29.

### **Lateral 2**

Commencing at the east side of the right-of-way of Lakeport Street and the north side of 280th Street thence north to a location 30 feet south of the south right-of-way line of Maple Street.

### **Lateral 3**

Commencing at the south right-of-way and extending west to the west right-of-way line of Oak Street and extending east to the east right-of-way line of Travis Street. In addition, commencing at the alley between Oak Street and Elm Street on Maple Street thence north to the north right-of-way line of Willow Street. In addition, commencing at Maple Street thence south 32 feet along Lakeport Street, and at Maple Street thence north 10 feet along Elm Street, and at Maple Street thence north 15 feet along Oak Street.

In addition, commencing at the South Right of Way line of Walnut Street at Tama Street thence continuing in a northwesterly direction along Tama Street to Maple Street. Thence West along Maple Street to the centerline of the Right of Way line of Pine Street.

The above descriptions are general in nature. A more detailed description can be found in the easements portion of the Report. The existing right-of-way for the roadway easements areas will be included in the total acres for the drainage district easement. This is more completely described in the easements portion of the Report and in the tables below.

**Main Ditch Easement Table**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
1	IOWA STATE CONSERVATION COMMISSION	0.10	0.06	0.16
2	WAGNER, PAULA	1.66	0.96	2.62
3	MIDAMERICAN ENERGY CO.	1.43	0.82	2.25
4	WAGNER, PAUL & CARMEN	1.36	0.78	2.14
5	WAGNER FARM ENTERPRISES LLC	1.26	0.72	1.98
6	JORGENSEN, LANE & LUCINDA	1.19	3.20	4.39
7	JORGENSEN, LANE & LUCINDA	0.99	4.66	5.65
8	JORGENSEN, LEONARD & PATRICIA TRUST ETAL	0.12	0.47	0.59
9	SIMPSON, BRAD & RHONDA ETAL	2.05	4.19	6.24
10	GALLAND, RICHARD TRUST	2.16	4.17	6.33
11	JOCHUM, LEO & BEVERLY	0.01	4.75	4.76
12	JOCHUM, GREGORY & KRISTA	1.94	5.07	7.01

**Lateral 1 Easement Table**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
1.1	GALLAND, RICHARD TRUST	0.76	5.06	5.82
1.2	PATTERSON, RICHARD	0.58	5.19	5.77
1.3	PATTERSON, RICHARD	0.29	3.74	4.03
1.4	PATTERSON, RICHARD	0.32	0.32	0.64

**Lateral 2 Easement Table**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
2.1	JOCHUM, GREGORY & KRISTA	1.18	0.97	2.15

**Lateral 3 Easement Table**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
3.1	CITY OF SALIX	2.02	0.00	2.02
3.2	CITY OF SALIX	2.14	0.00	2.14

## **Opinion of Cost**

Within the report are opinions of cost for the Main Ditch, Lateral 1, Lateral 2, Secondary Roads, and the City of Salix. Due to the complexity of working within the Interstate 29 right-of-way an estimate was not developed for the proposed box culvert. It is anticipated that the Iowa Department of Transportation would pay for the cost of the structure if the drainage district is to be formed.

## **Drainage District Establishment Process Summary**

Iowa Code Section (IC) 468 “Levee and Drainage Districts and Improvements” lists the process for establishment of a new drainage district. This report is intended to fulfil the requirements of IC 468.12 Report. Below are the associated IC sections that pertain to the creation of the proposed district. Most of steps will need to be completed for creation of the district. For each code section below is a summary. Specific details of Iowa Code are not listed below. Rather the Board of Supervisors shall reach out to the District Creation Attorney Brian L. Yung for specific Details.

### **468.14 Notice of hearing.**

When the engineer has submitted a Report to the Board of Supervisors, the auditor shall send notice to the landowners within the proposed district.

### **468.21 Hearing of petition — dismissal.**

Board may dismiss the petition if it is found not to materially benefit the lands or the cost to be excessive.

### **468.22 Establishment — further investigation.**

The board may establish, refuse to establish, or direct the engineer to make further examination of the proposed district as recommended by the engineer.

### **468.23 Settling basins — purchase or lease of lands.**

The board may purchase the lands required for right-of-way in lieu of condemning lands.

### **468.24 Appraisers.**

If the board does find that the improvements will benefit lands, the auditor shall appoint three (3) appraisers to assess all damages to adjoining landowners for creation of the district.

### **468.25 Assessment — report — adjournment — other appraisers.**

The appointed appraisers shall assess damages to each claimant and file with the county auditor a report showing the amount of damage sustained by each claimant.

### **468.26 Award by board.**

At a public hearing the Board of Supervisors shall determine the amounts sustained by each claimant.

### **468.27 Dismissal or establishment — permanent easement.**

The Board of Supervisors after the public hearing can approve the petition or dismiss the petition. If they approve the petition, the district is established and the drainage district is deemed to have acquired permanent easement.

### **468.28 Dismissal on remonstrance.**

Prior to establishing the drainage district if fifty (50) percent of the landowners owning at least seventy (70) percent of the land sign a remonstrance the Board of Supervisors shall dismiss the petition for creation of the drainage district.

### **468.29 Dissolution.**

If after two years construction has not started, a petition may be filed by a majority of landowners owning sixty (60) percent or more of the land in said district and the drainage district can be dismissed.

### **468.322 Jurisdiction relinquished.**

The Board of Supervisors may relinquish the drainage district if twenty-five (25) percent or more of the total area is located within the corporate limits of any city.



**OPINION OF COST - MAIN DITCH - SALIX DRAINAGE DISTRICT - NOVEMBER 20, 2023**

No.	Item Code	Item	Unit	Quantity	Unit Price	Extended Price
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	4,100	\$2.50	\$10,250.00
2	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	126,000	\$1.75	\$220,500.00
3	2422-1722078	CULVERT, ENTRANCE PIPE, 78"	LF	140	\$330.00	\$46,200.00
4	2422-1722084	CULVERT, ENTRANCE PIPE, 84"	LF	508	\$410.00	\$208,280.00
5	2533-4980005	MOBILIZATION	LS	1	\$41,000.00	\$41,000.00
6	2599-9999003	LEVELING, CLASS 10, CHANNEL	CY	121,900	\$0.75	\$91,425.00
7	2601-2634100	MULCH	ACRE	25	\$1,600.00	\$40,000.00
8	2601-2636043	SEED+FERTILIZE (RURAL)	ACRE	25	\$2,400.00	\$60,000.00

**ENGINEERS CONSTRUCTION ESTIMATE** **\$717,655.00**  
 RIGHT-OF-WAY PURCHASE ESTIMATE ACRE 29.85 \$10,000.00 \$298,500.00

**ENGINEERS ESTIMATE** **\$1,016,155.00**

**OPINION OF COST - LATERAL 1 - SALIX DRAINAGE DISTRICT - NOVEMBER 20, 2023**

No.	Item Code	Item	Unit	Quantity	Unit Price	Extended Price
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	100	\$2.50	\$250.00
2	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	47,000	\$1.75	\$82,250.00
3	2422-1722060	CULVERT, ENTRANCE PIPE, 60"	LF	64	\$220.00	\$14,080.00
4	2533-4980005	MOBILIZATION	LS	1	\$10,000.00	\$10,000.00
5	2599-9999003	LEVELING, CLASS 10, CHANNEL	CY	46,900	\$0.75	\$35,175.00
6	2601-2634100	MULCH	ACRE	9	\$1,600.00	\$14,400.00
7	2601-2636043	SEED+FERTILIZE (RURAL)	ACRE	9	\$2,400.00	\$21,600.00

**ENGINEERS CONSTRUCTION ESTIMATE** **\$177,755.00**  
 RIGHT-OF-WAY PURCHASE ESTIMATE ACRE 14.31 \$10,000.00 \$143,100.00

**ENGINEERS ESTIMATE** **\$320,855.00**

**OPINION OF COST - LATERAL 2 - SALIX DRAINAGE DISTRICT - NOVEMBER 20, 2023**

No.	Item Code	Item	Unit	Quantity	Unit Price	Extended Price
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	1,000.0	\$2.50	\$2,500.00
2	2104-2710020	EXCAVATION, CL 10, CHANNEL	CY	2,400.0	\$1.75	\$4,200.00
3	2422-1722060	CULVERT, ENTRANCE PIPE, 60"	LF	64.0	\$220.00	\$14,080.00
4	2533-4980005	MOBILIZATION	LS	1.0	\$1,500.00	\$1,500.00
5	2599-9999003	LEVELING, CLASS 10, CHANNEL	CY	1,400.0	\$0.75	\$1,050.00
6	2601-2634100	MULCH	ACRE	1.4	\$1,600.00	\$2,240.00
7	2601-2636043	SEED+FERTILIZE (RURAL)	ACRE	1.4	\$2,400.00	\$3,360.00

**ENGINEERS CONSTRUCTION ESTIMATE** **\$28,930.00**  
 RIGHT-OF-WAY PURCHASE ESTIMATE ACRE 0.97 \$10,000.00 \$9,700.00

**ENGINEERS ESTIMATE** **\$38,630.00**

**OPINION OF COST - SECONDARY ROADS - SALIX DRAINAGE DISTRICT - NOVEMBER 20, 2023**

No.	Item Code	Item	Unit	Quantity	Unit Price	Extended Price
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	650	\$9.00	\$5,850.00
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	CY	650	\$5.00	\$3,250.00
3	2115-0100000	MODIFIED SUBBASE	CY	12	\$75.00	\$900.00
4	2301-1032080	STD/S-F PCC PAV'T, CL C CL 2, 8"	SY	67	\$140.00	\$9,380.00
5	2416-1170060	CULV, 3000D CONC ENT PIPE, 60"	LF	65	\$525.00	\$34,125.00
6	2416-1170084	CULV, 3000D CONC ENT PIPE, 84"	LF	196	\$800.00	\$156,800.00
7	2422-1722060	CULVERT, ENTRANCE PIPE, 48"	LF	40	\$120.00	\$4,800.00
8	2422-1722078	CULVERT, ENTRANCE PIPE, 78"	LF	356	\$310.00	\$110,360.00
9	2533-4980005	MOBILIZATION	LS	1	\$25,000.00	\$25,000.00
10	2599-9999003	8' x 5' RCP BOX CULVERT	LF	40	\$1,300.00	\$52,000.00

**ENGINEERS CONSTRUCTION ESTIMATE**

**\$402,465.00**

**OPINION OF COST - CITY OF SALIX - SALIX DRAINAGE DISTRICT - NOVEMBER 20, 2023**

No.	Item Code	Item	Unit	Quantity	Unit Price	Extended Price
1	2102-2625000	EMBANKMENT-IN-PLACE	CY	650	\$9.00	\$5,850.00
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	CY	650	\$5.00	\$3,250.00
3	2115-0100000	MODIFIED SUBBASE	CY	12	\$75.00	\$900.00
4	2301-1032080	STD/S-F PCC PAV'T, CL C CL 2, 8"	SY	67	\$140.00	\$9,380.00
5	2416-1170060	CULV, 3000D CONC ENT PIPE, 60"	LF	65	\$525.00	\$34,125.00
6	2533-4980005	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00
7	2599-9999003	8' x 5' RCP BOX CULVERT	LF	40	\$1,300.00	\$52,000.00

**ENGINEERS CONSTRUCTION ESTIMATE**

**\$110,505.00**

SALIX DRAINAGE DISTRICT CREATION - PARCEL INFORMATION

<b>PIN</b>	<b>Address Number</b>	<b>Street Name</b>	<b>City</b>	<b>Deedholder Name</b>
874727300001	2696	BENTON AVE	SALIX	BROUILLETTE ROBERT E & JANE A
874727300002				PATTERSON RICHARD J G
874727300003				REYNOLDS LAURENCE V TRUST
874727300005				PATTERSON RICHARD J G
874727300006				REYNOLDS LAURENCE V TRUST
874728200004				PATTERSON RICHARD J G
874728200005				PATTERSON RICHARD J G
874728200007				PATTERSON RICHARD J G
874728200010				LEE DANIEL GORDON
874728200011				LERER NORA REYNOLDS
874728400001				PATTERSON RICHARD J G
874728400004				PATTERSON RICHARD J G
874728400005				PATTERSON RICHARD J G
874728400006	1452	260TH ST	SALIX	PATTERSON RICHARD J G
874733226003	2715	BENTON AVE	SALIX	WAGNER PAUL L & CARMEN M JT REVOCABLE TRUST
874733276001				WAGNER PAUL L & CARMEN M JT REVOCABLE TRUST
874733400002				SIMPSON BRAD & RHONDA ETAL
874733400003				SIMPSON BRAD & RHONDA ETAL
874733400004	2769	BENTON AVE	SALIX	JUAREZ FRANK & NICOLLE D
874733400005				SIMPSON BRAD & RHONDA ETAL
874733400006				SIMPSON BRAD & RHONDA ETAL
874734100001				PATTERSON RICHARD J G
874734100002				PATTERSON RICHARD J G
874734300001	2752	BENTON AVE	SALIX	GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300002				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300002				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300003				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300004				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300005				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300006				
874734300007				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300008				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300009				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734300010				GALLAND RICHARD M REVOCABLE LIVING TRUST
874734401001	1556	275TH ST	SALIX	
874734401002	1562	275TH ST	SALIX	VAN BEEK ROGER & CAROL
874734401003	1570	275TH ST	SALIX	SPENCER WARREN A & DIANE F
874734401004	1576	275TH ST	SALIX	WIEBERS ALLAN R & KAREN L
874734401005	1584	275TH ST	SALIX	FRIGGE JOSEPH
874734401006				JOCHUM GREGORY & KRISTA
874734426001	506	TIPTON ST	SALIX	ST JOSEPH ROMAN CATHOLIC
874734426002				ST JOSEPH CEMETARY
874734426003	902	POPLAR ST	SALIX	SKIDMORE DEANNA M & TIM W
874734426004	308	OAK ST	SALIX	CLAUS BARRY & LAURA
874734426006		LAKEPORT ST	SALIX	JOCHUM GREGORY J & KRISTA D

<b>PIN</b>	<b>Address Number</b>	<b>Street Name</b>	<b>City</b>	<b>Deedholder Name</b>
874734426008	807	MAPLE ST	SALIX	PETERSEN STEVEN A & LISA ANN
874734426009	502	LAKEPORT ST	SALIX	BOVINETT DONALD & VICTORIA R
874734426013	508	LAKEPORT ST	SALIX	HUBERT FRANCIS G & FAY ANN J
874734426014				JOCHUM GREGORY J & KRISTA D
874734426015	506	LAKEPORT ST	SALIX	CLAYTON STEVEN
874734426017	809	MAPLE ST	SALIX	HEILMAN STACY L
874734426020	402	OAK ST	SALIX	LHD3,INC
874734426021	404	OAK ST	SALIX	LHD3,INC
874734426022	406	OAK ST	SALIX	KNIGHT CONCRETE CONSTRUCTION INC
874734426023	408	OAK ST	SALIX	HANSEN JUSTIN E
874734426026		OAK ST	SALIX	SALIX CITY OF
874734426027	410	OAK ST	SALIX	CHOQUETTE MITCHELL L
874734426028				LUDWIG PERRY E & BABBY J
874734427001		OAK ST	SALIX	LAMOUREUX LARRY E
874734427002	303	OAK ST	SALIX	JOHNSON DEBORAH L
874734427003	307	OAK ST	SALIX	JOHNSON DEBORAH L
874734427004	804	WILLOW ST	SALIX	HUOT ROGER D JR & JUDITH
874734427005	302	ELM ST	SALIX	ALLEN LYNN D
874734427006	306	ELM ST	SALIX	STOULP EDWARD E & MARY M LE
874734427009	312	ELM ST	SALIX	JACBOSEN CHRISTINE M & AARON A
874734428001	704	POPLAR ST	SALIX	LAMOUREUX EDWARD E & DOROTHY E
874734428002	702	POPLAR ST	SALIX	GIRARD JACK ALLEN & JODIE MARY ELLEN
874734428003	305	ELM ST	SALIX	CLARK ALEXANDER J
874734428004	307	ELM ST	SALIX	CLAYTON SCOTT M
874734428006	704	WILLOW ST	SALIX	BROUILLETTE ROBERT E & JANE A
874734428008	702	WILLOW ST	SALIX	BROUILLETTE ROBERT E & JANE A
874734428009	310	LAKEPORT ST	SALIX	BROUILLETTE ROBERT E & JANE
874734429001	805	WILLOW ST	SALIX	DICK MARY KATHLEEN & DICK DWAYNE WILLIAM
874734429002	405	OAK ST	SALIX	BROWN MARCIA LINN
874734429003	812	MAPLE ST	SALIX	LADO NORTE LLC
874734429004	801	WILLOW ST	SALIX	PETERSEN JAMES A & SHERI L SCHRAM
874734429005	406	ELM ST	SALIX	PRINCE JERI L
874734429006	412	ELM ST	SALIX	SMITH DEANNA M
874734430001	401	ELM ST	SALIX	SHREVE WILLIAM JOSEPH
874734430002	403	ELM ST	SALIX	SHREVE WILLIAM J & CARLA A
874734430003	405	ELM ST	SALIX	
874734430004	407	ELM ST	SALIX	HUOT DAVID R
874734430005	409	ELM ST	SALIX	GARCIA TONY & BRENDA
874734430006	408	LAKEPORT ST	SALIX	WILDER DAVID L
874734430007	702	MAPLE ST	SALIX	HUBERT MARK R
874734452001				JOCHUM LEO R & BEVERLY A
874734476001				JOCHUM LEO R & BEVERLY A
874735301001	608	POPLAR ST	SALIX	NEWMAN JOLENE MARIE
874735301002	305	LAKEPORT ST	SALIX	CAMERER RALPH M
874735301003	307	LAKEPORT ST	SALIX	CAMERER RALPH M

<b>PIN</b>	<b>Address Number</b>	<b>Street Name</b>	<b>City</b>	<b>Deedholder Name</b>
874735301004	506	WILLOW ST	SALIX	BENNETT CHRISTOPHER D
874735301006	304	TRAVIS ST	SALIX	CHOQUETTE VANCE M & DANITA M
874735301007	308	TRAVIS ST	SALIX	BURKHART JASON L & DENISE L
874735301008	502	WILLOW ST	SALIX	BRUNEAU WEYLIN J
874735301009	606	POPLAR ST	SALIX	RECTOR GAY L
874735301010	302	TRAVIS ST	SALIX	WAGNER MARK J
874735302001	301	TRAVIS ST	SALIX	CLAYTON KEVIN R & CATHERINE A
874735302002	508	POPLAR ST	SALIX	CAMERER RALPH M
874735302003	303	TRAVIS ST	SALIX	WOLF LARRY L
874735302004	406	WILLOW ST	SALIX	NELSON KEVIN W & MOLLY J
874735302007	308	TIPTON ST	SALIX	MC DERMOTT RANDY LEROY
874735302008	310	TIPTON ST	SALIX	NEITZEL ROBERT & DANIEL
874735302009	312	TIPTON ST	SALIX	WISEMAN JASON & AMY
874735302010	314	TIPTON ST	SALIX	WANKUM VERLA KAY
874735302011	316	TIPTON ST	SALIX	MULVIHILL MILDRED F
874735302012	404	WILLOW ST	SALIX	CLAYTON KEVIN R & CATHERINE A
874735302013	318	TIPTON ST	SALIX	HINRICKSON CHRISTINA I
874735302014	302	TIPTON ST	SALIX	ACQUIRE PROPERTIES LLC
874735303001	301	TIPTON ST	SALIX	WALKER'S OF SALIX, INC
874735303003	404	POPLAR ST	SALIX	NORTHWEST IOWA TELEPHONE CO
874735303004	309	TIPTON ST	SALIX	CITY OF SALIX
874735303005				CITY OF SALIX
874735303006	311	TIPTON ST	SALIX	SALIX VOLUNTEER FIRE DEPT.INC
874735303007	313	TIPTON ST	SALIX	SALIX VOLUNTEER FIRE DEPT.INC
874735303008	317	TIPTON ST	SALIX	SALIX VOLUNTEER FIRE DEPT.INC
874735303009	310	TALBOT ST	SALIX	SKIDMORE KYLE
874735303010		TALBOT ST	SALIX	PIETSCH MICHAEL J & DANA L
874735303011	314	TALBOT ST	SALIX	PIETSCH MICHAEL J
874735303012	316	TALBOT ST	SALIX	PIETSCH MICHAEL J
874735303013	406	POPLAR ST	SALIX	WALKER'S OF SALIX, INC
874735303014	406	POPLAR ST	SALIX	SKIDMORE INDUSTRIES INC.
874735304001		TAMA ST	SALIX	CITY OF SALIX
874735305001	308	POPLAR ST	SALIX	RE RAND FAMILY LLC
874735305005		TAMA ST	SALIX	PETERSON BRIAN D
874735305006		TAMA ST	SALIX	RE RAND FAMILY LLC
874735306001	505	WILLOW ST	SALIX	TBR INVESTMENTS LLC
874735306002	402	TRAVIS ST	SALIX	GARRETT AUBRA D & WILLIE E III
874735306003	404	TRAVIS ST	SALIX	TBR INVESTMENTS LLC
874735306004	406	TRAVIS ST	SALIX	HINRICKSON DANIE R
874735306005	409	LAKEPORT ST	SALIX	SCOTT KAY FRANCES
874735306006	606	MAPLE ST	SALIX	SCOTT EDWIN A & RACHELLE J
874735306007	410	TRAVIS ST	SALIX	VAN CLEVE GARY C
874735306008	412	TRAVIS ST	SALIX	HENNINGS KEVIN
874735307001	401	TRAVIS ST	SALIX	DEAN MICHAEL LEE
874735307002	405	TRAVIS ST	SALIX	IVERSON PAUL & SUSAN

PIN	Address Number	Street Name	City	Deedholder Name
874735307003	407	TRAVIS ST	SALIX	FEESER ANDREW R
874735307006	402	TIPTON ST	SALIX	HINRICKSON LOUIE C III
874735307007	404	TIPTON ST	SALIX	SHILLING CAITLIN NICHOLE
874735307008	406	TIPTON ST	SALIX	NELSON RONALD R & JANICE L
874735307009	408	TIPTON ST	SALIX	SMITH BRENDA J
874735307010	412	TIPTON ST	SALIX	BLACK LONNIE J
874735307011	506	MAPLE ST	SALIX	FEESER ANDREW R
874735308001	403	TIPTON ST	SALIX	ARNOLD ANTHONY G & MIRANDA L
874735308002	405	TIPTON ST	SALIX	THORPE DOROTHY & RUPERT LE
874735308003	409	TIPTON ST	SALIX	NELSON FRED A & ELLA C
874735308004	411	TIPTON ST	SALIX	JEWETT RAYME
874735308005	402	TALBOT ST	SALIX	
874735308006	404	TALBOT ST	SALIX	TBR INVESTMENTS LLC
874735308007	406	TALBOT ST	SALIX	BLACK LONNIE J
874735308008	410	TALBOT ST	SALIX	SCOTT EDWIN A & RACHELLE J
874735308009	402	MAPLE ST	SALIX	MARSHALL DON R
874735309001	401	TALBOT ST	SALIX	BLACK NICHOLAS
874735309002	403	TALBOT ST	SALIX	ALLEN JODY P
874735309003	405	TALBOT ST	SALIX	WOODFORD CHARLES R & MARCIA E
874735309004	407	TALBOT ST	SALIX	BLACK RUSSELL E & JO ANN M
874735309005	411	TALBOT ST	SALIX	SCHNEIDERS CHRISTOPHER S & TAMMIE R
874735309006	302	MAPLE ST	SALIX	BROUILLETTE ROBERT E & JANE A
874735309007				BLACK NICHOLAS
874735310001	510	TIPTON ST	SALIX	ST JOSEPH ROMAN CATHOLIC
874735311005	502	TALBOT ST	SALIX	FLEMING DYLAN MICHAEL
874735311006	504	TALBOT ST	SALIX	LAMOUREUX ROBERT SCOTT
874735311007	506	TALBOT ST	SALIX	SCHULTE RUSSEL J
874735311008	512	TALBOT ST	SALIX	LUESEBRINK CRIAG L
874735311009	501	TIPTON ST	SALIX	SULLIVAN JONATHAN W & KATIE M
874735311011	503	TIPTON ST	SALIX	THORPE ROXANN M
874735311012	507	TIPTON ST	SALIX	BYERS MELISSA A
874735311014	511	TIPTON ST	SALIX	DUERKSEN JESSE R & BRENDA S
874735312003	505	TALBOT ST	SALIX	BLACK JESSE J
874735312004	507	TALBOT ST	SALIX	BLACK JESSE J
874735312005	509	TALBOT ST	SALIX	DIETSCHY BLAINE
874735312006	511	TALBOT ST	SALIX	HANSEN JEREMY D
874735312007	502	PINE ST	SALIX	WHEELER BRADLEY J & MELODY E
874735312009				ELIASON STEVEN C
874735312010	510	PINE ST	SALIX	BEZANSON CHELSEA C
874735312011	302	WALNUT ST	SALIX	RONFELDT RANDALL R
874735312012				WHEELER BRADLEY J & MELODY E
874735312013	506	PINE ST	SALIX	ZIEMAN CAM C
874735312014	501	TALBOT ST	SALIX	DICKS SHARLA M
874735327002	505	PINE ST	SALIX	BROUILLETTE ROBERT E & JANE A
874735327003	507	PINE ST	SALIX	GRAY NICHOLE L

<b>PIN</b>	<b>Address Number</b>	<b>Street Name</b>	<b>City</b>	<b>Deedholder Name</b>
874735327004	508	TAMA ST	SALIX	GRIES CURTIS D & TRISHA A
874735327005	511	PINE ST	SALIX	ELIASON BEVERLY L
874735327006	204	WALNUT ST	SALIX	NELSON DONNIE L
874735327010				RE RAND FAMILY LLC
874735327011	202	WALNUT ST	SALIX	GRIES TRISHA A & CURTIS D
874735327012	501	PINE ST	SALIX	COMSTOCK BOBBY AREND & ANITA MARGARET
874735327013				CAMERER RALPH M & BRANDY L
874735351001		WALNUT ST	SALIX	KOENIG ANN P TRUST
874735351002		WALNUT ST	SALIX	KOENIG ANN P TRUST
874735351003	407	WALNUT ST	SALIX	NORTON JOSEPH C
874735351004	405	WALNUT ST	SALIX	SCOTT ABBY LEE
874735351005				CITY OF SALIX
874735351006				CITY OF SALIX
874735351007				CITY OF SALIX
874735351008				CITY OF SALIX
874735351009				CITY OF SALIX
874735351010				JOCHUM GREGORY J & KRISTA D
874735351011				KOENIG ANN P TRUST
874735376001				CITY OF SALIX
874735376002				CITY OF SALIX
874735376003				CITY OF SALIX
874735376004				CITY OF SALIX
874735376005				CITY OF SALIX
874735376006				CITY OF SALIX
874735504003				UNION PACIFIC RAILROAD
874735504005				C & N W R R
874735504006				CITY OF SALIX
				STATE OF IOWA
				WOODBURY COUNTY SECONDARY ROADS

CITY OF SALIX  
PO BOX 240  
Salix, IA 51052



November 14, 2022

Woodbury County Board of Supervisors  
Attention: Pat Gill  
620 Douglas Street  
Sioux City, Iowa 51101

RE: Petition for the Establishment of a Drainage District

Dear Mr. Gill,

The City of Salix has been notified by the Farmers Drainage District that the pumping agreement that has been in place since May 11<sup>th</sup>, 1984 will terminate in December 2023 and will not be renewed. This leaves the City of Salix and the surrounding area with no natural outlet for their stormwater runoff. Without an outlet for the stormwater, the City and surrounding areas will have flooding issues that could result in damage to homes, streets, utilities, and farmground.

The City of Salix has been working with Veenstra & Kimm, Inc. and has had discussions with County Engineer, Mark Nahra, to determine a potential route for a new drainage ditch. The drainage ditch would start at the intersection of 280<sup>th</sup> Street and S. Tama Street then going west along 280<sup>th</sup> Street to the existing drainage channel near Port Neal Road that drains into Snyder Bend (See Attached Map).

After the drainage district has been created the City of Salix would request that the Woodbury County Board of Supervisors transfer control of the drainage district to the City of Salix per Iowa Code Chapter 468.322.

We, the undersigned petitioners, respectfully request that the Woodbury County Board of Supervisors work with the City of Salix and Veenstra & Kimm, Inc. to establish a new Salix Drainage District per Iowa Code Chapter 468.


Per Iowa Code 468.8 this petition includes:


1. See attached map for the lands that may have potential improvements created by the new drainage ditch.
2. Due to no natural outlet for stormwater runoff, the City of Salix and surrounding areas will be subject to flooding.


**Kevin Nelson, Mayor Denise Burkhart, Mayor Pro Tem**  
Council Members: Karen Allen, Emily Clayton, Donnie Nelson, Cindy VanAuken



3. Creating the new drainage ditch will alleviate flooding and provide drainage which will promote public benefit, utility, health, convenience, or welfare.
4. See the attached map for the proposed route.

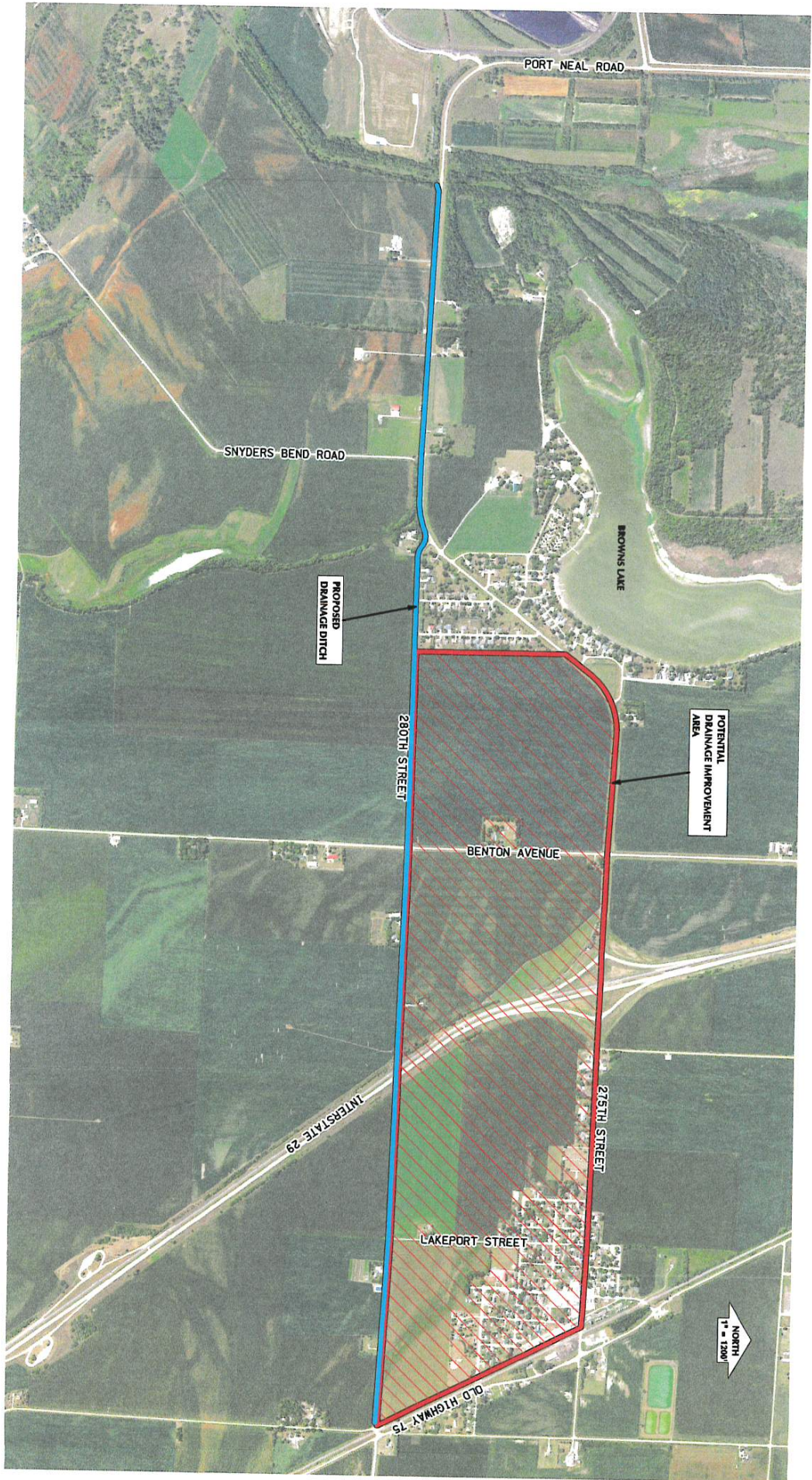
  
\_\_\_\_\_  
KEVIN NELSON, MAYOR

  
\_\_\_\_\_  
Denise Burkhardt - Landowner

  
\_\_\_\_\_  
GREG JOETUM, LANDOWNER

\_\_\_\_\_

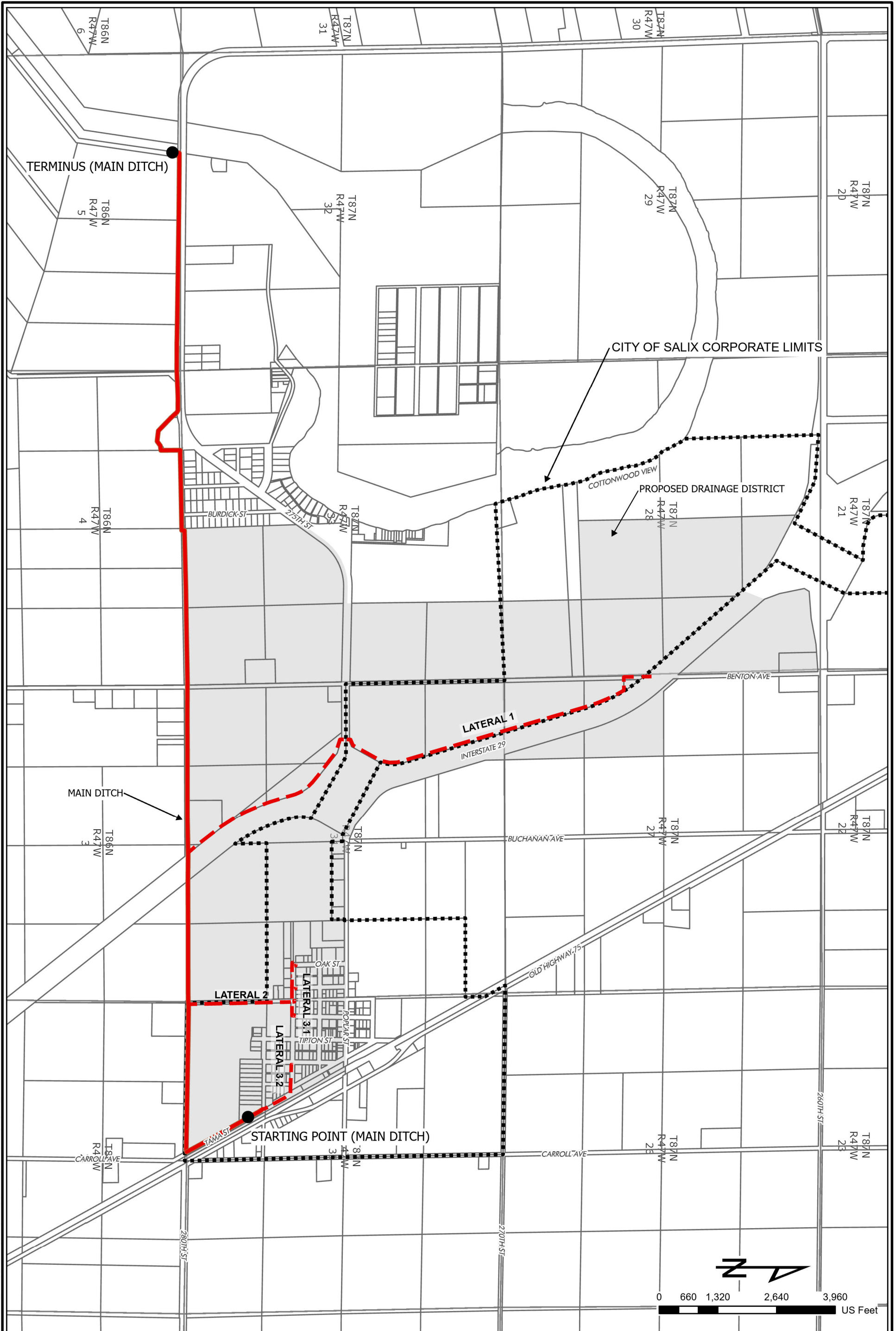
**Kevin Nelson, Mayor Denise Burkhardt, Mayor Pro Tem**  
Council Members: Karen Allen, Emily Clayton, Donnie Nelson, Cindy VanAuken



SALIX, IOWA  
PROPOSED DRAINAGE IMPROVEMENTS  
FIGURE 1

SALIX DRAINAGE DISTRICT CREATION - MAP OF PROPOSED DRAINAGE DISTRICT

Date Printed: 7/24/2023 3:53 PM



Path: \\jesse-f:\gis\share\0100\0151-Woodbury\_County\0151-0026\_Salix\_Drainage\_District\_Creation\CADD\GIS\Salix.aprx



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

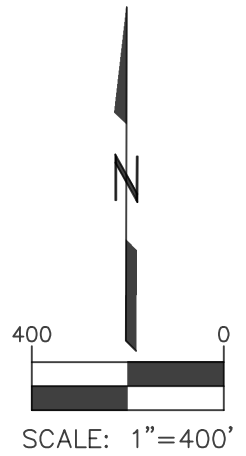
203 Sergeant Square Drive, Suite B - Sergeant Bluff, Iowa 51054-0220  
712-943-5055 - 712-943-5088 (FAX) - 877-241-8009 (WATS)

NOTES:


SCALE	AS NOTED	DWG. NO.
DRAWN BY	CAP	EX.01
CHECKED	PEM	
APPROVED	PEM	
DATE	9/12/2023	
ISSUED FOR		PROJECT #
		15126



LEGEND		EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
1	IOWA STATE CONSERVATION COMMISSION	0.10	0.06	0.16
2	WAGNER, PAULA	1.66	0.96	2.62
3	MIDAMERICAN ENERGY CO.	1.43	0.82	2.25
4	WAGNER, PAUL & CARMEN	1.36	0.78	2.14
5	WAGNER FARM ENTERPRISES LLC	1.26	0.72	1.98
6	JORGENSEN, LANE & LUCINDA	1.19	3.20	4.39



SCALE	1" = 400'	DWG. NO.	15126
DRAWN	CWB	PROJECT #	15126
CHECKED	PEM		
APPROVED	CWB		
DATE	8/11/2023		
ISSUED FOR			

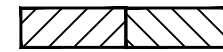
**EASEMENTS**  
**MAIN DITCH**  
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
 203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
 712-943-5055 • 712-943-5086(FAX) • 877-241-8008(VA15)



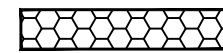


**LEGEND**

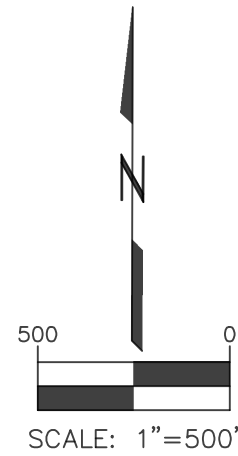
PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
7	JORGENSEN, LANE & LUCINDA	0.99	4.66	5.65
8	JORGENSEN, LEONARD & PATRICIA TRUST ETAL	0.12	0.47	0.59
9	SIMPSON, BRAD & RHONDA ETAL	2.05	4.19	6.24
10	GALLAND, RICHARD TRUST	2.16	4.17	6.33



MAIN DITCH



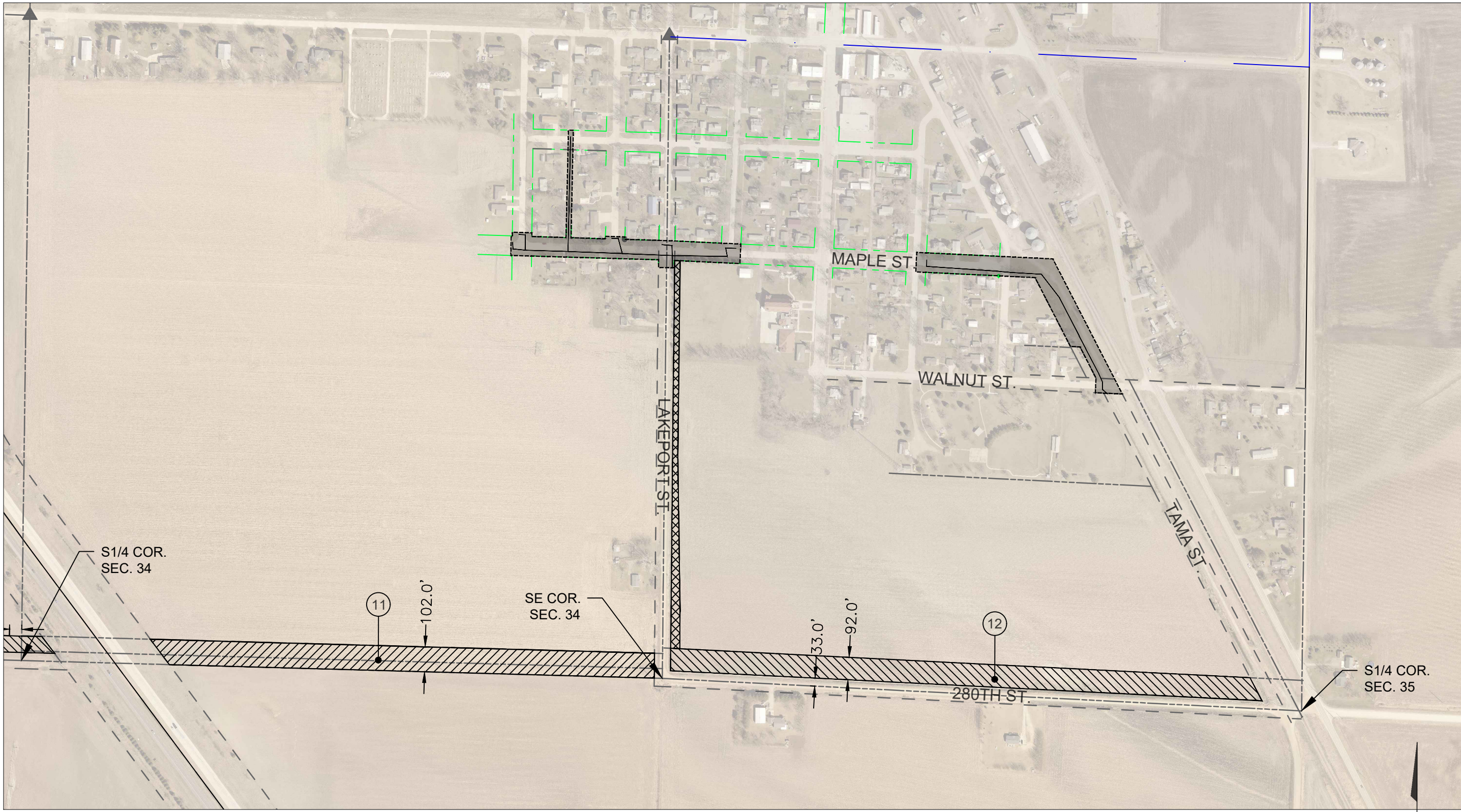
LATERAL 1



SCALE	1" = 500	DWG. NO.	2 OF 6
DRAWN	CWB	CHECKED	PEM
APPROVED	CWB	DATE	8/11/2023
ISSUED FOR	PROJECT # 15126		

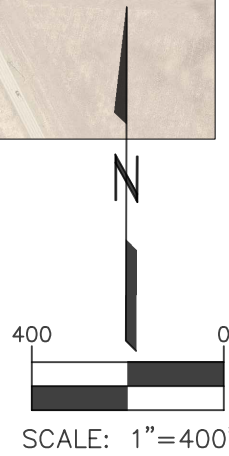
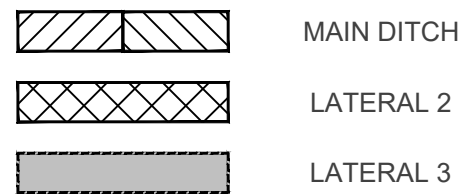
EASEMENTS  
 MAIN DITCH  
 SALIX DRAINAGE DISTRICT  
 WOODBURY COUNTY, IOWA  
 203 Sergeant Square Dr - Suite B • Sergeant Bluff, Iowa 51064-0220  
 712-943-5055 • 712-943-5086(FAX) • 877-241-8008(VA15)





**LEGEND**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
11	JOCHUM, LEO & BEVERLY	0.01	4.75	4.76
12	JOCHUM, GREGORY & KRISTA	1.94	5.07	7.01

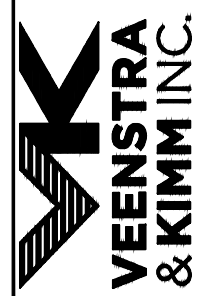


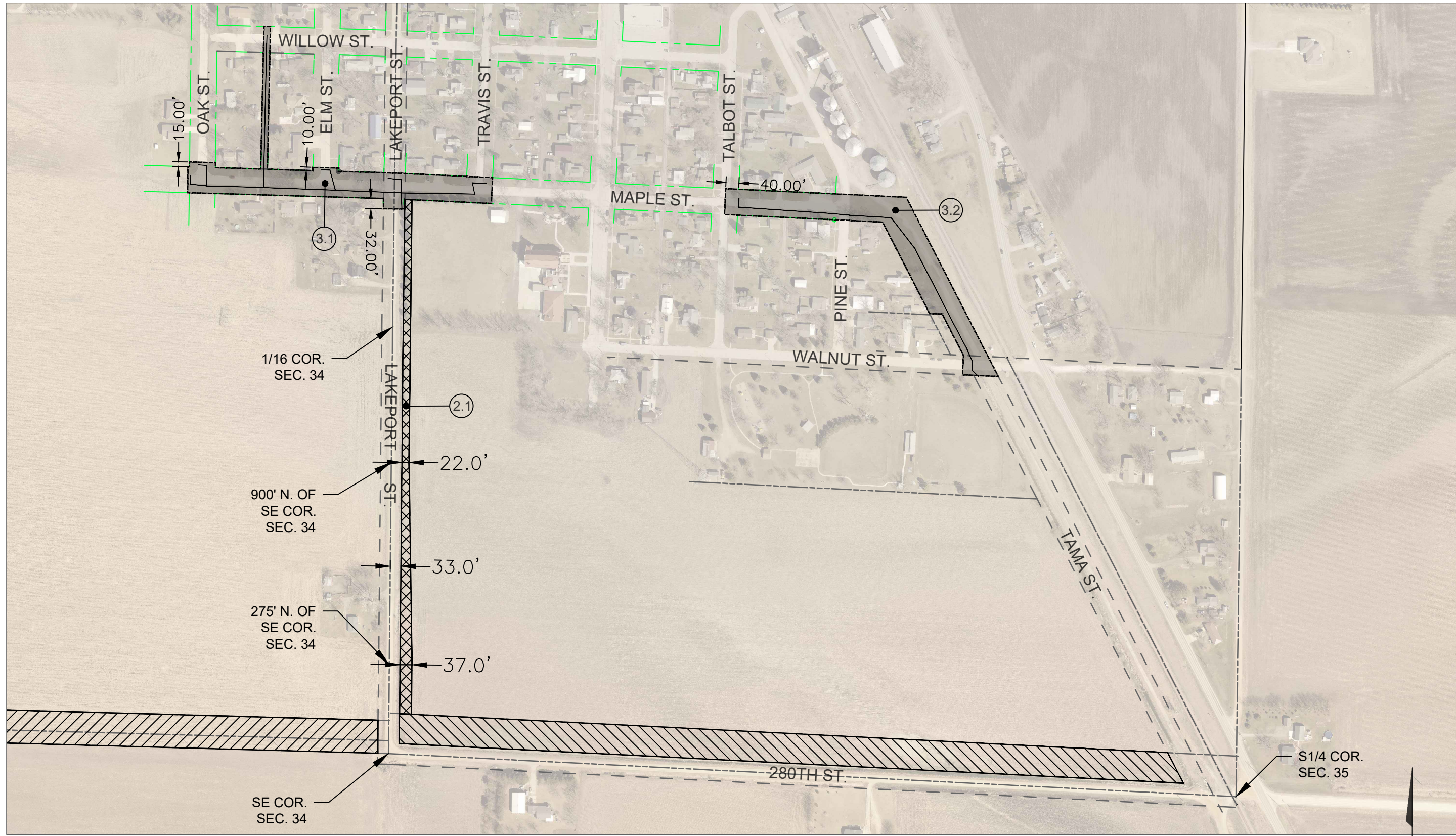
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DRAWN	CWB	PROJECT #	15126
CHECKED	PEM		
APPROVED	CWB		
DATE	8/11/2023		
ISSUED FOR			

NOTES:  
 REVISED PARCEL #11 & #12 DUE TO MIDAMERICAN EASEMENT

EASEMENTS  
 MAIN DITCH  
 SALIX DRAINAGE DISTRICT  
 WOODBURY COUNTY, IOWA

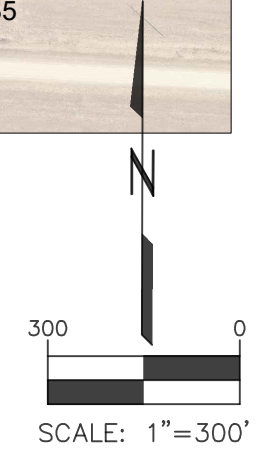
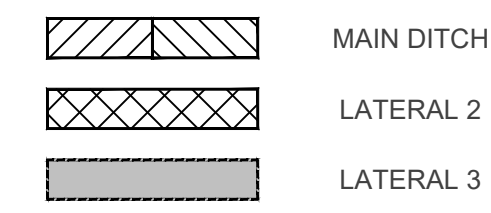
203 Sergeant Square Dr - Suite B • Sergeant Bluff, Iowa 51064-0220  
 712-943-5055 • 712-943-5086/FAX • 877-241-8008(VA15)





**LEGEND**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
2.1	JOCHUM, GREGORY & KRISTA	1.18	0.97	2.15
3.1	CITY OF SALIX	2.02	0.00	2.02
3.2	CITY OF SALIX	2.14	0.00	2.14



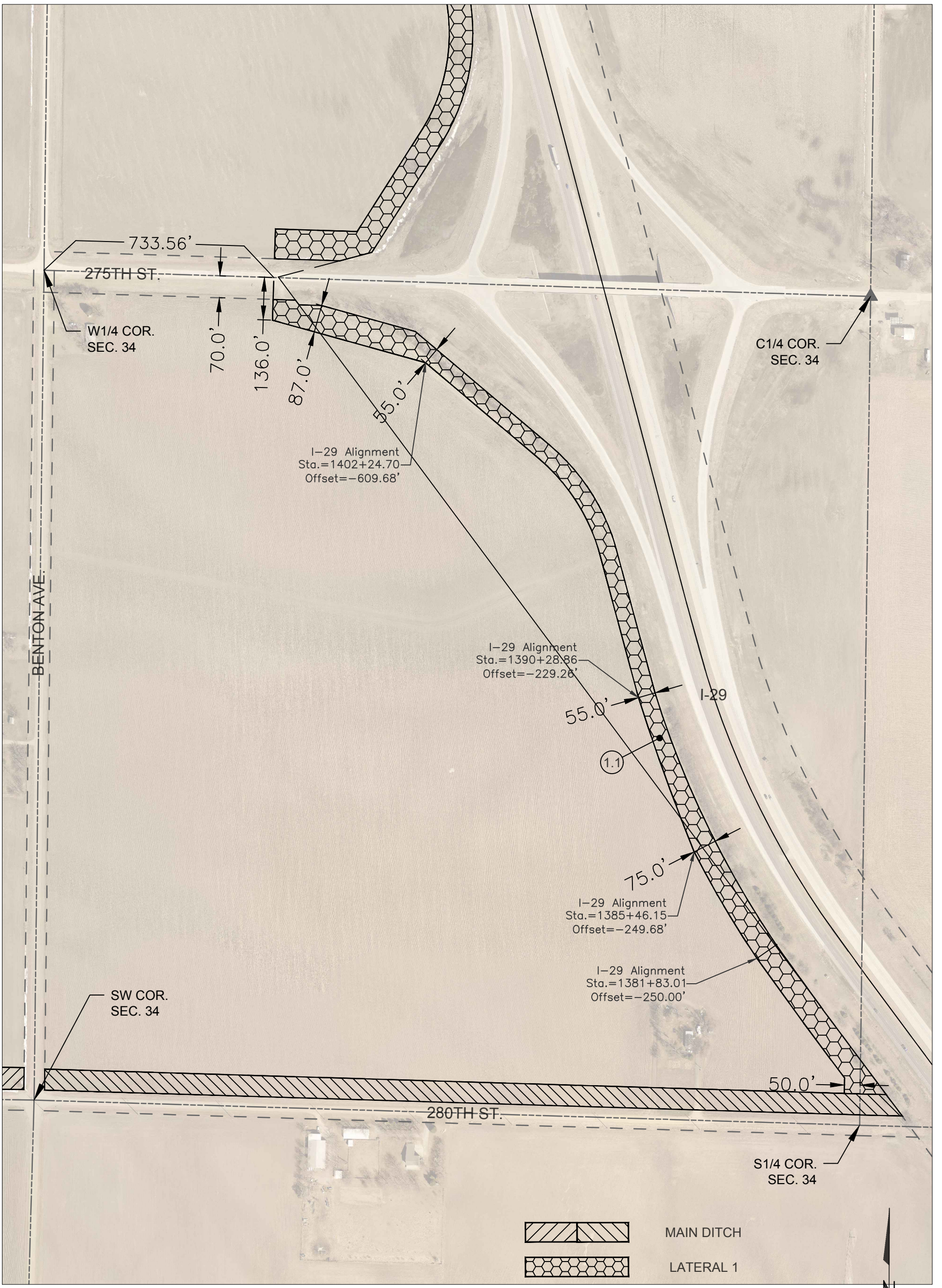
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CHECKED	PEM	ISSUED FOR	
APPROVED	CWB	DATE	8/11/2023
NOTES:	REVISED PARCEL #2.1 DUE TO MIDAMERICAN EASEMENT		

EASEMENTS  
 LATERALS NO. 2 & 3  
 SALIX DRAINAGE DISTRICT  
 WOODBURY COUNTY, IOWA  
 203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
 712-943-5055 • 712-943-5086(FAX) • 877-241-8008(VA15)



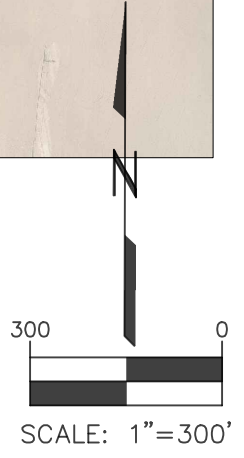
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V:\K.REF. \V\KSGT-F\SGTSHARE\01000151-WOODBURY COUNTY\0151-0026 SALIX DRAINAGE DISTRICT\_CREATION\SURVEY\REF\EASEMENTS



**LEGEND**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
(1.1)	GALLAND, RICHARD TRUST	0.76	5.06	5.82



**EASEMENTS  
LATERAL NO. 1  
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA**

203 Sergeant Square Dr - Suite B • Sergeant Bluff, Iowa 51054-0220  
712-943-5055 • 712-943-5088(FAX) • 877-241-9009(WATS)

NOTES:	SCALE	DWG. NO.
	1" = 300'	5 OF 6
	DRAWN CWB	
	CHECKED PEM	
	APPROVED CWB	
	DATE 8/11/2023	
	ISSUED FOR	
	PROJECT #	15126



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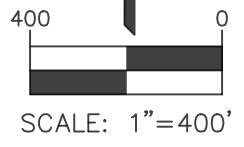
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LATERAL 1

**LEGEND**

PARCEL NO.	OWNER	EXISTING ROW ACRES	ADDITIONAL DRAINAGE DITCH ACRES	TOTAL DRAINAGE DITCH ACRES
1.2	PATTERSON, RICHARD	0.58	5.19	5.77
1.3	PATTERSON, RICHARD	0.29	3.74	4.03
1.4	PATTERSON, RICHARD	0.32	0.32	0.64



**EASEMENTS  
LATERAL NO. 1  
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA**

203 Sergeant Square Dr - Suite B • Sergeant Bluff, Iowa 51054-0220  
712-943-5055 • 712-943-5088(FAX) • 877-241-9009(WATS)

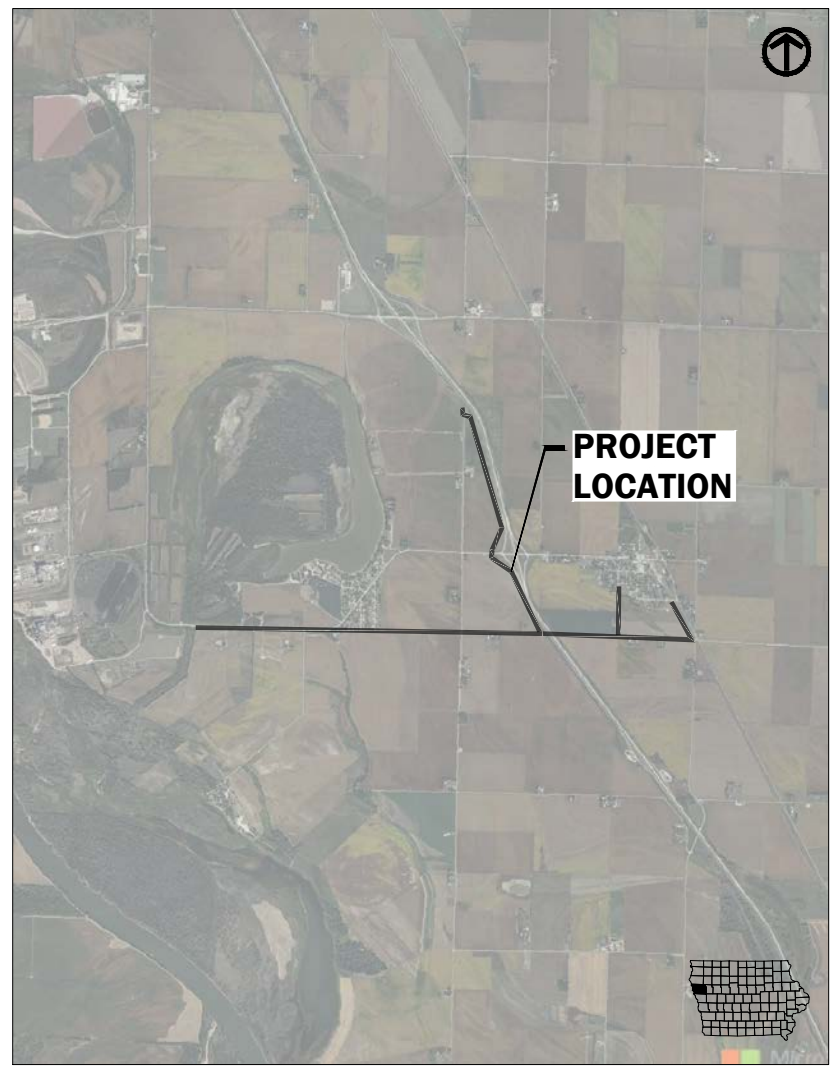
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	1" = 400'	<b>6 OF 6</b>
	DRAWN CWB	
	CHECKED PEM	
	APPROVED CWB	
	DATE 8/11/2023	PROJECT # 15126
	ISSUED FOR	

The Iowa Department of Transportation Standard Specifications for Highway and Bridge Construction Series 2015, Plus General Supplemental Specifications; and applicable Supplemental Specifications, Developmental Specifications, and Special Provisions shall apply to construction on this project.

# PRELIMINARY PLANS FOR SALIX DRAINAGE DISTRICT CREATION WOODBURY COUNTY, IOWA

SCALES: As Noted

PLOTTED: Monday, November 20, 2023 2:34:43 PM



VICINITY MAP  
NOT TO SCALE

INDEX OF SHEETS	
NO.	DRAWING TITLE
A.01	TITLE SHEET
D.01	OVERALL GRADING PLAN
D.02	MAIN DITCH - PLAN & PROFILE
D.03	MAIN DITCH - PLAN & PROFILE
D.04	MAIN DITCH - PLAN & PROFILE
D.05	MAIN DITCH - PLAN & PROFILE
D.06	MAIN DITCH - PLAN & PROFILE
D.07	MAIN DITCH - PLAN & PROFILE
D.08	MAIN DITCH - PLAN & PROFILE
D.09	MAIN DITCH - PLAN & PROFILE
D.10	MAIN DITCH - PLAN & PROFILE
D.11	MAIN DITCH - PLAN & PROFILE
D.12	MAIN DITCH - PLAN & PROFILE
D.13	MAIN DITCH - PLAN & PROFILE
D.14	MAIN DITCH - PLAN & PROFILE
D.15	MAIN DITCH - PLAN & PROFILE
D.16	MAIN DITCH - PLAN & PROFILE
D.17	MAIN DITCH - PLAN & PROFILE
D.18	MAIN DITCH - PLAN & PROFILE
D.19	MAIN DITCH - PLAN & PROFILE
D.20	MAIN DITCH - PLAN & PROFILE
D.21	MAIN DITCH - PLAN & PROFILE
D.22	MAIN DITCH - PLAN & PROFILE
D.23	MAIN DITCH - PLAN & PROFILE
D.24	MAIN DITCH - PLAN & PROFILE
D.30	LATERAL 1 - PLAN & PROFILE
D.31	LATERAL 1 - PLAN & PROFILE
D.32	LATERAL 1 - PLAN & PROFILE
D.33	LATERAL 1 - PLAN & PROFILE
D.34	LATERAL 1 - PLAN & PROFILE
D.35	LATERAL 1 - PLAN & PROFILE
D.36	LATERAL 1 - PLAN & PROFILE
D.37	LATERAL 1 - PLAN & PROFILE
D.38	LATERAL 1 - PLAN & PROFILE
D.39	LATERAL 1 - PLAN & PROFILE
D.40	LATERAL 1 - PLAN & PROFILE
D.50	LATERAL 2 - PLAN & PROFILE
D.51	LATERAL 2 - PLAN & PROFILE
W.01	MAIN DITCH CROSS SECTIONS
W.02	MAIN DITCH CROSS SECTIONS
W.03	MAIN DITCH CROSS SECTIONS
W.04	MAIN DITCH CROSS SECTIONS
W.05	MAIN DITCH CROSS SECTIONS
W.06	MAIN DITCH CROSS SECTIONS
W.07	MAIN DITCH CROSS SECTIONS
W.08	MAIN DITCH CROSS SECTIONS
W.09	MAIN DITCH CROSS SECTIONS
W.10	MAIN DITCH CROSS SECTIONS
W.11	MAIN DITCH CROSS SECTIONS
W.12	MAIN DITCH CROSS SECTIONS
W.13	MAIN DITCH CROSS SECTIONS
W.14	MAIN DITCH CROSS SECTIONS
W.15	MAIN DITCH CROSS SECTIONS
W.16	MAIN DITCH CROSS SECTIONS
W.17	MAIN DITCH CROSS SECTIONS
W.18	MAIN DITCH CROSS SECTIONS
W.19	MAIN DITCH CROSS SECTIONS
W.20	MAIN DITCH CROSS SECTIONS
W.21	LATERAL 1 CROSS SECTIONS
W.22	LATERAL 1 CROSS SECTIONS
W.23	LATERAL 1 CROSS SECTIONS
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W.30	LATERAL 2 CROSS SECTIONS
W.31	LATERAL 2 CROSS SECTIONS

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DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	JWD
		CHECKED	PEM
		APPROVED	PEM
		DATE	09-12-2023
		ISSUED FOR	REPORT



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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TITLE SHEET

DWG. NO.
A.01
PROJECT 15126

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DATE	REVISIONS

SCALE	AS NOTED
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CHECKED	PEM
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DATE	09-12-2023
ISSUED FOR	REPORT



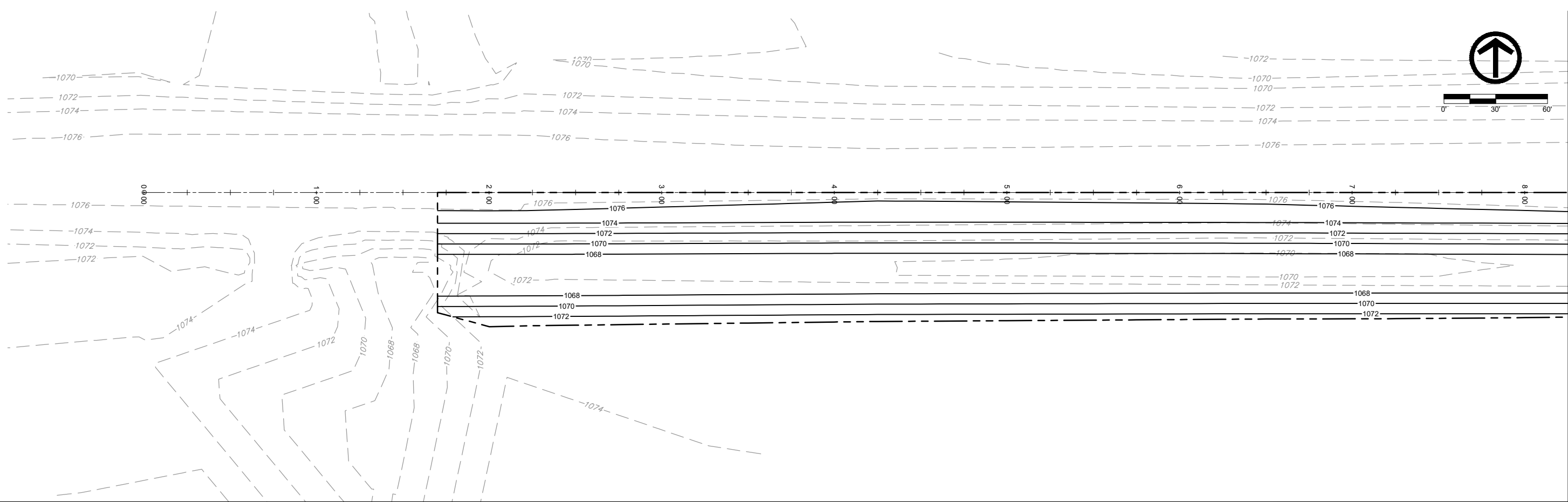
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**OVERALL GRADING PLAN**  
 PROJECT 15126

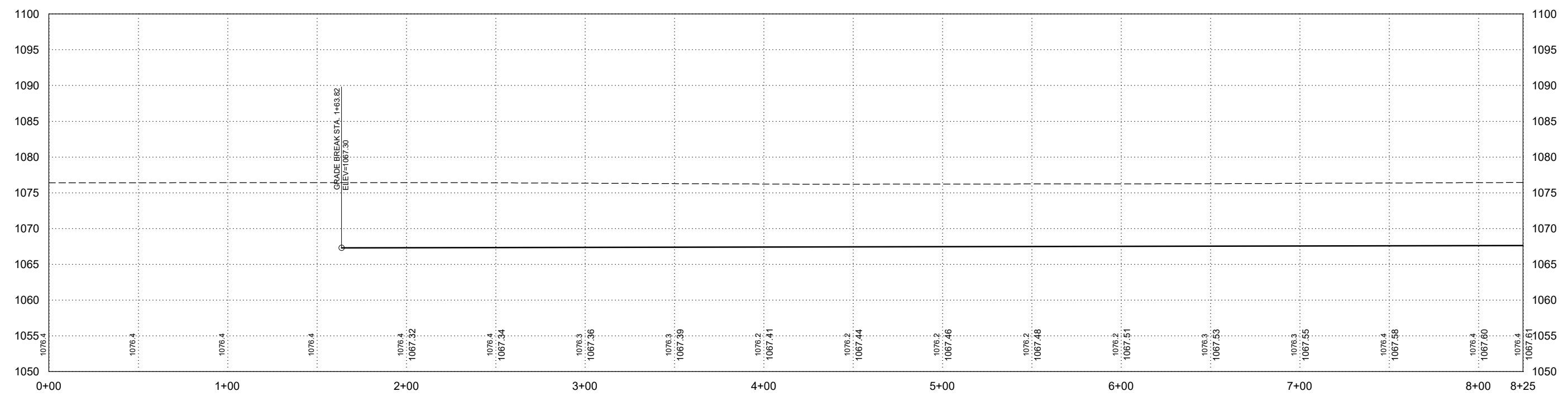
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PROJECT 15126

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MATCHLINE: SEE D.03 FOR CONTINUATION



DATE	REVISIONS	SCALE	AS NOTED
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		DATE	09-12-2023
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

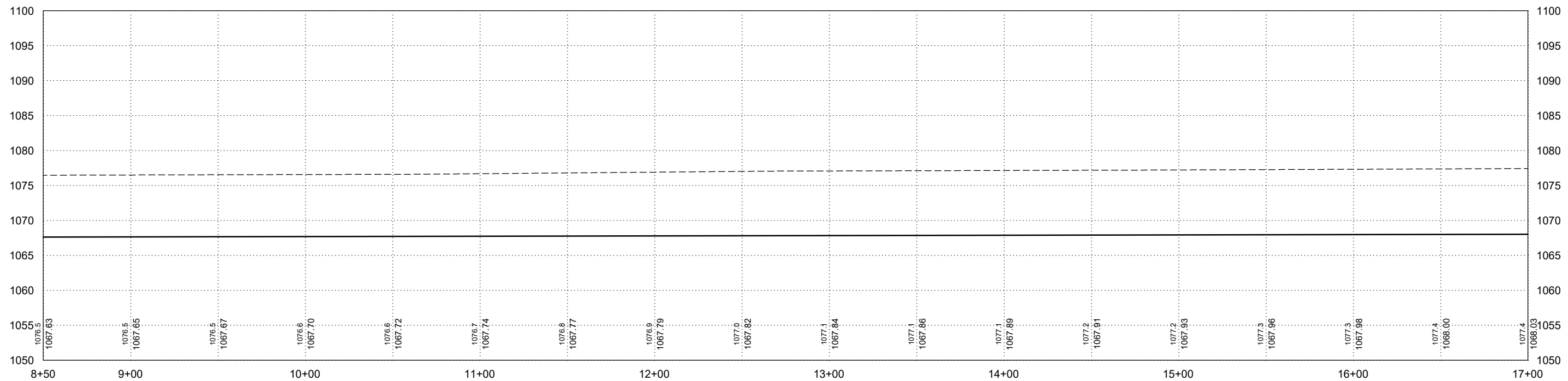
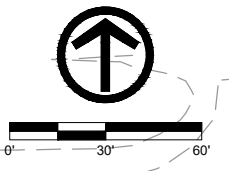
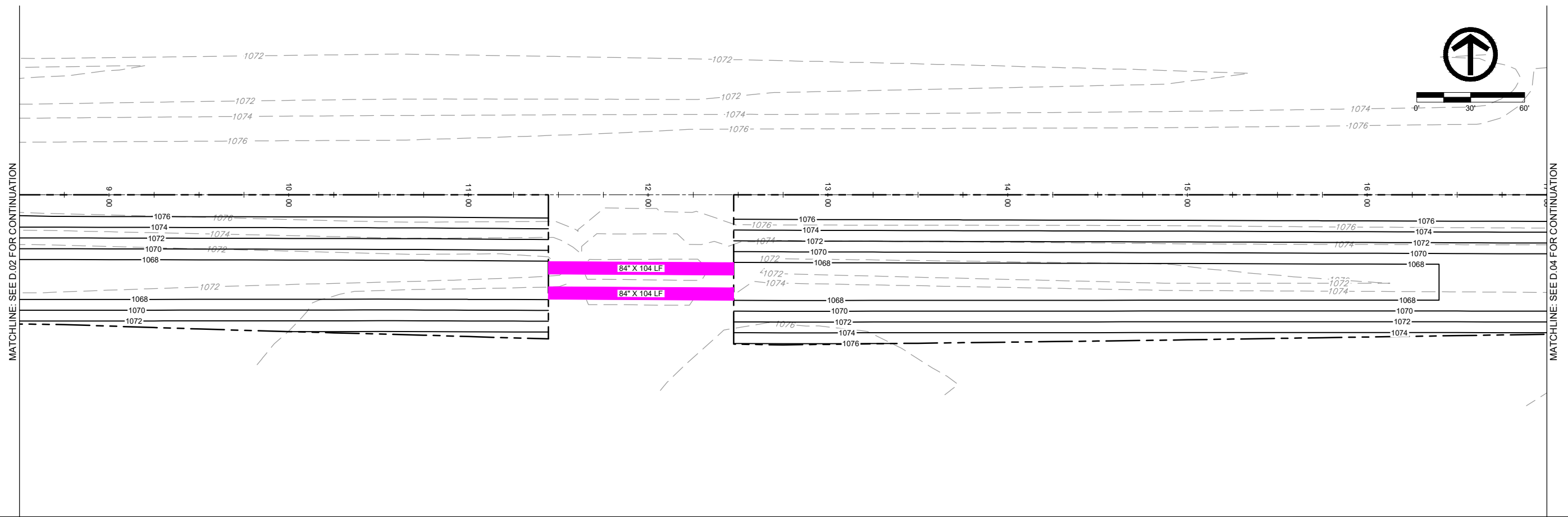
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MAIN DITCH - PLAN & PROFILE

DATE	DWG. NO.
	D.02
PROJECT	15126

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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

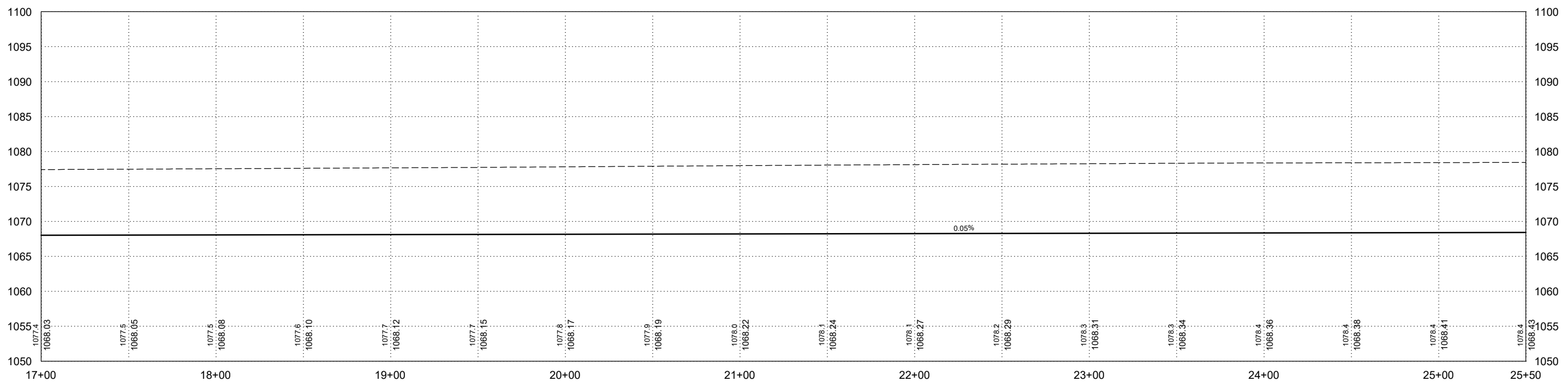
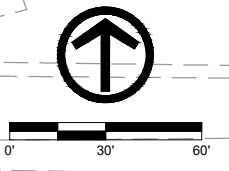
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.03
PROJECT
15126

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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

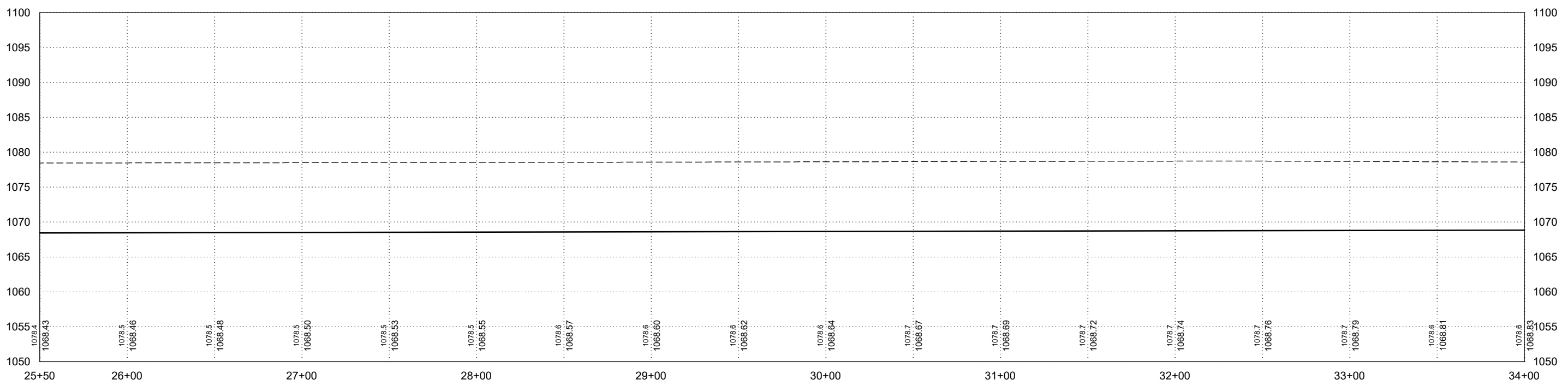
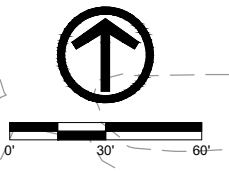
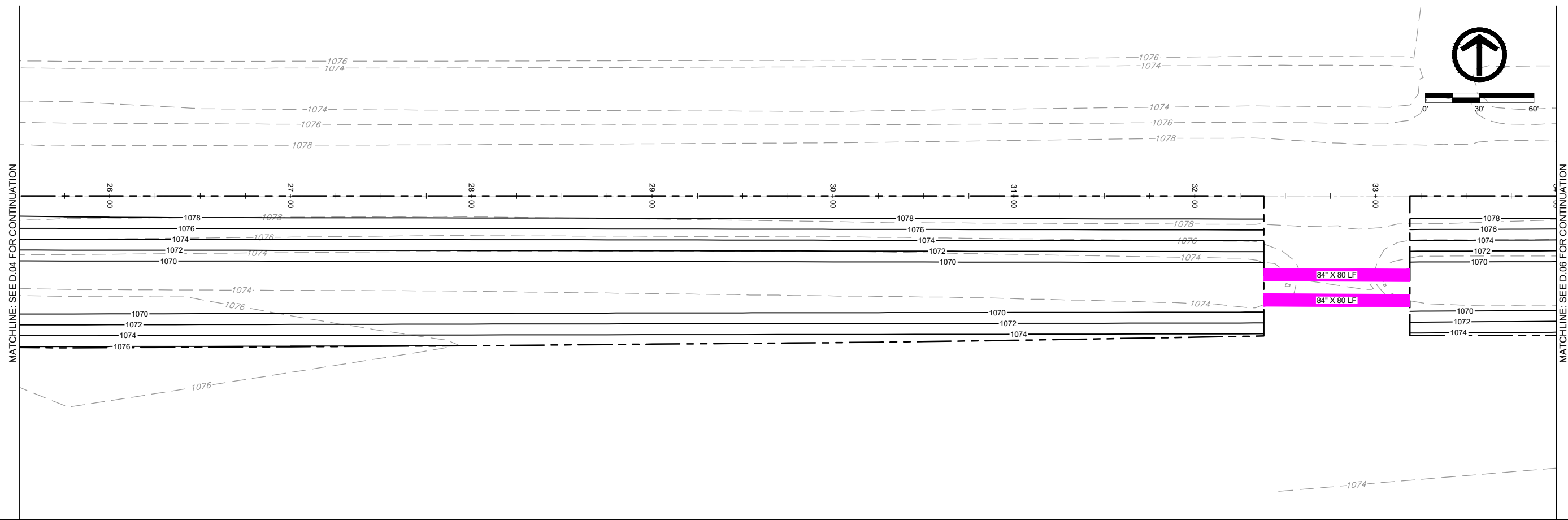
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DWG. NO.
D.04
PROJECT
15126

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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

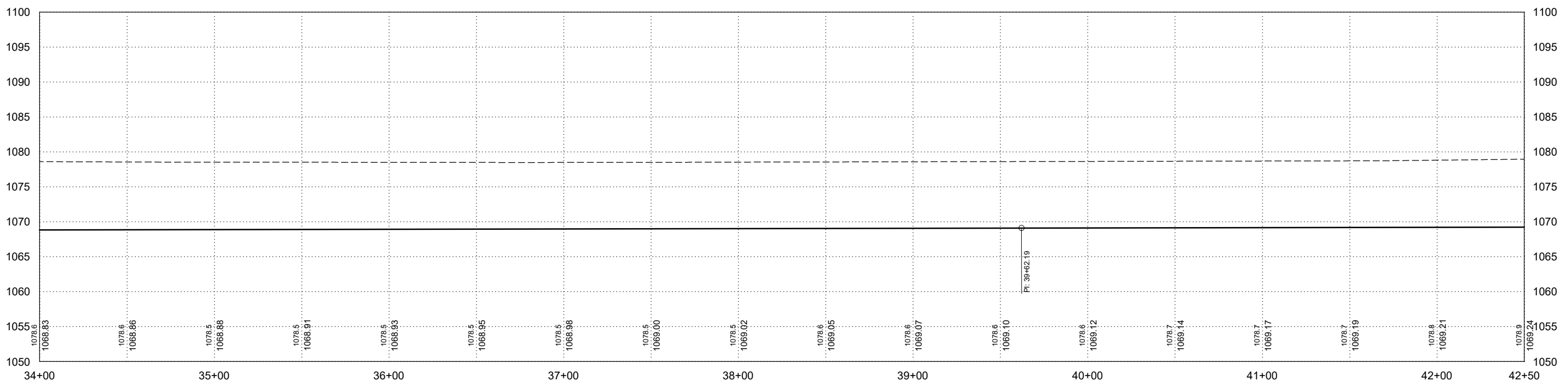
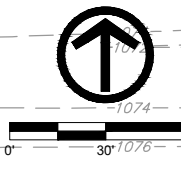
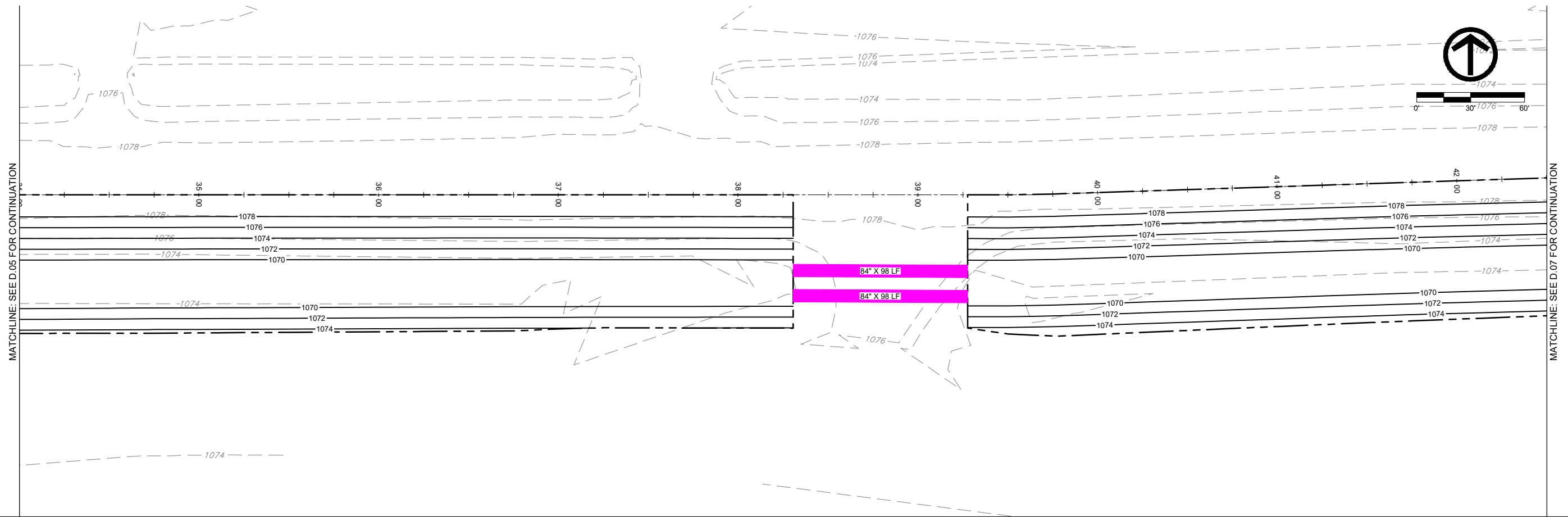
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.05
PROJECT
15126

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DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	JWD
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		DATE	09-12-2023
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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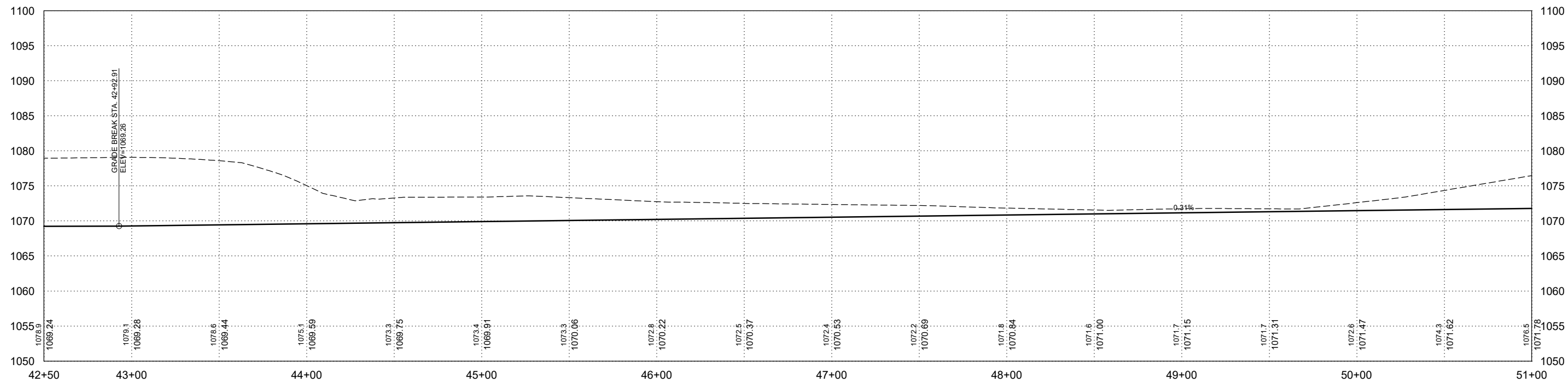
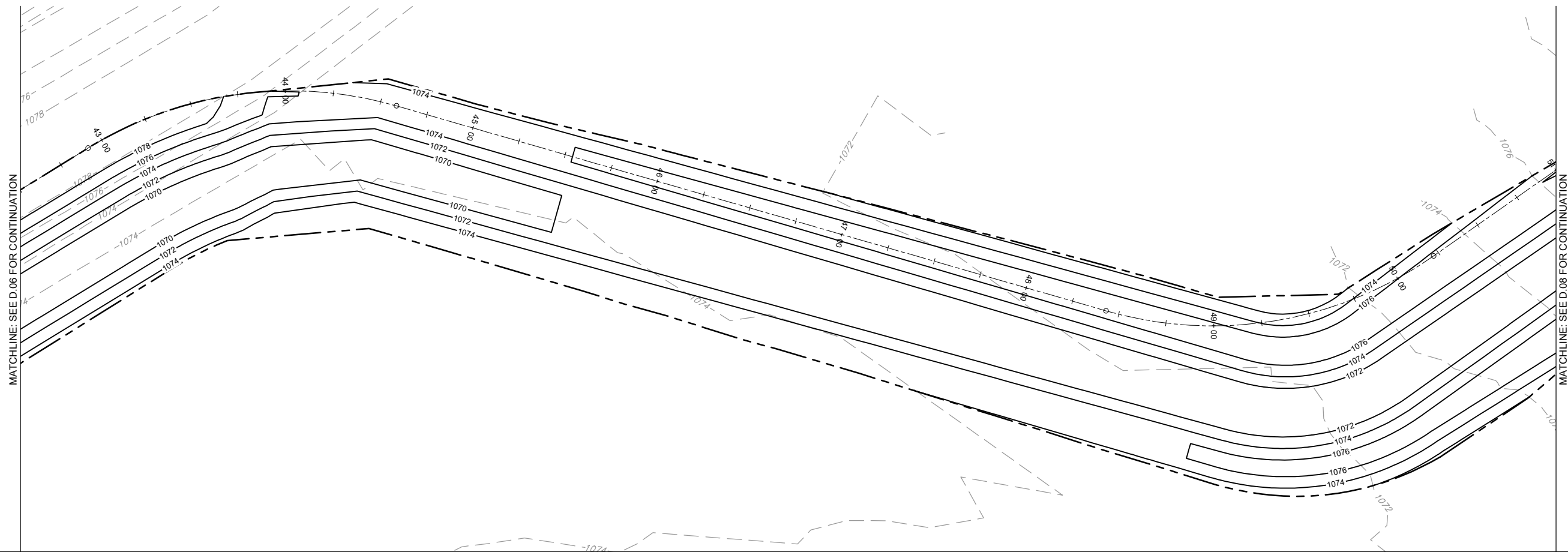
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DWG. NO.	D.06
PROJECT	15126



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DATE	REVISIONS	SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

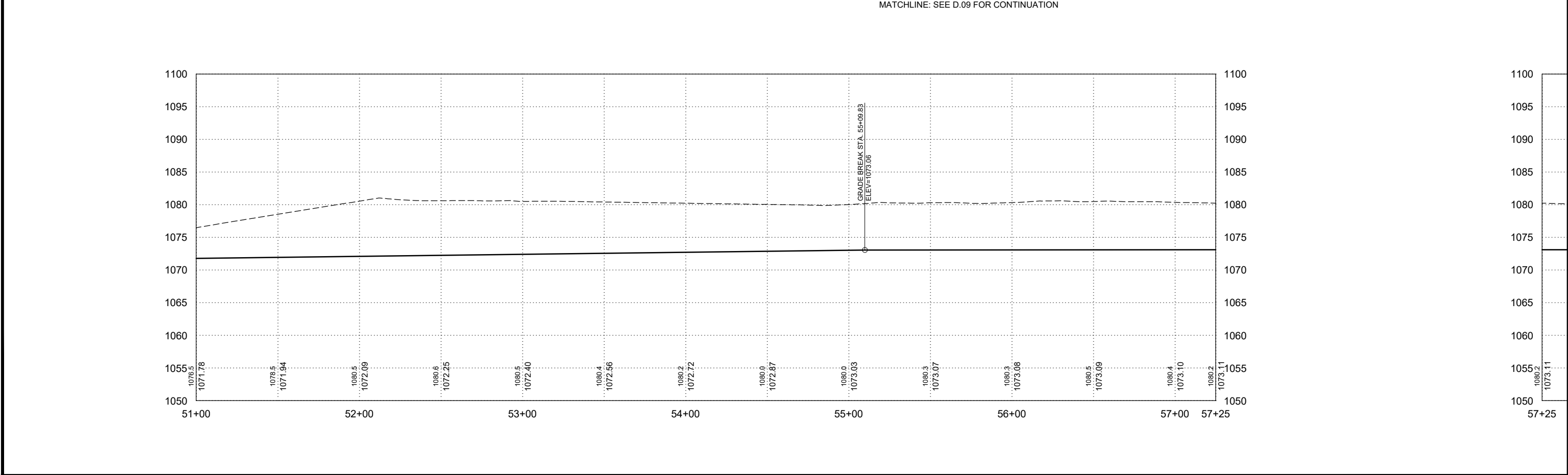
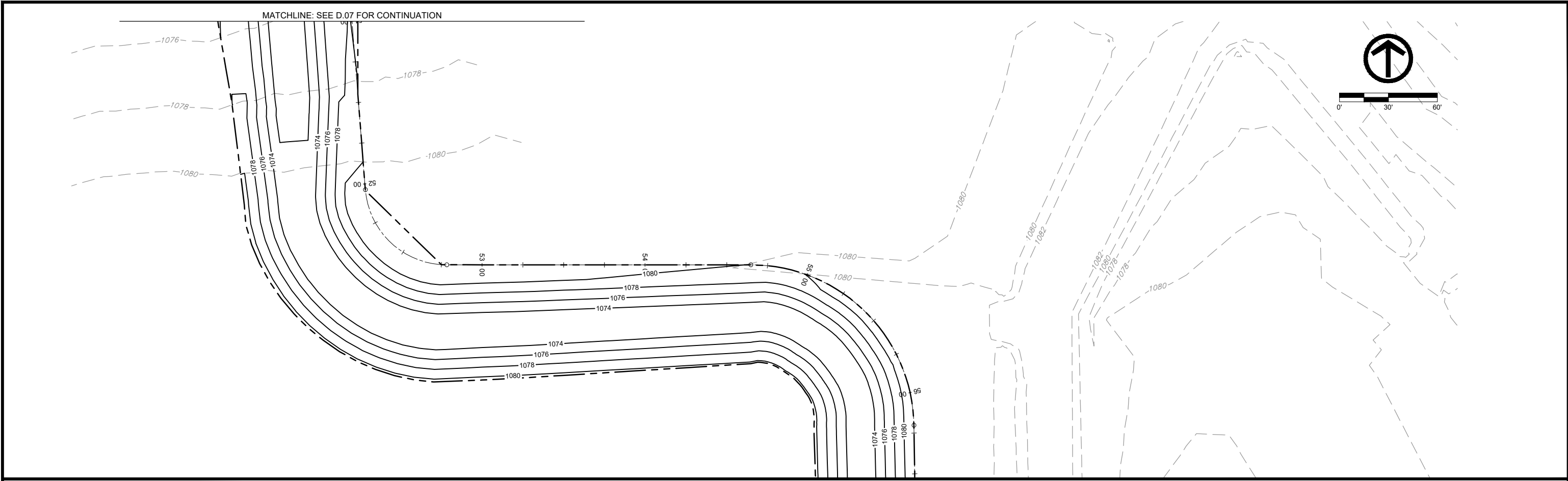
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.07
PROJECT
15126

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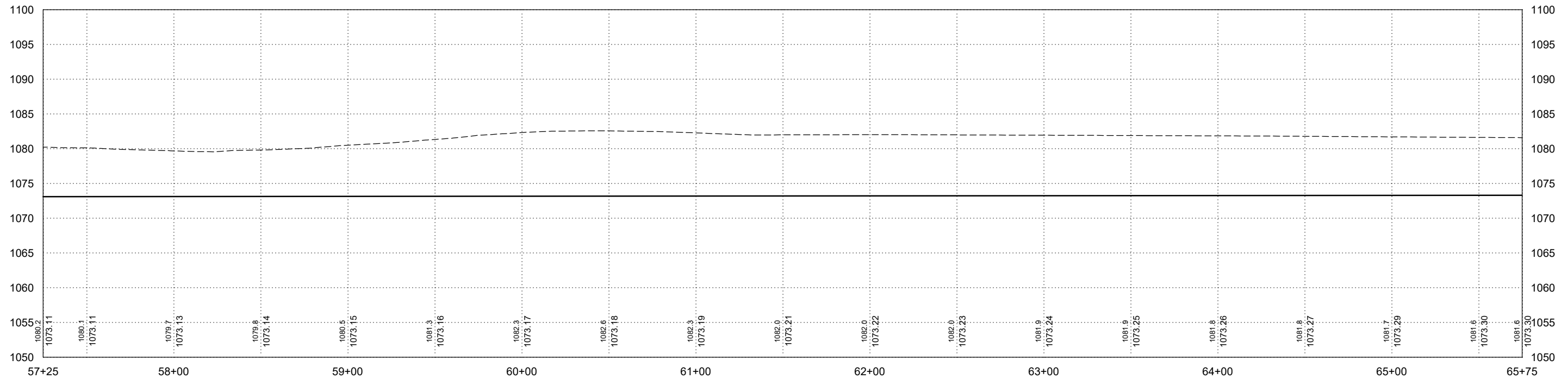
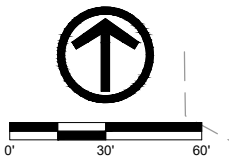
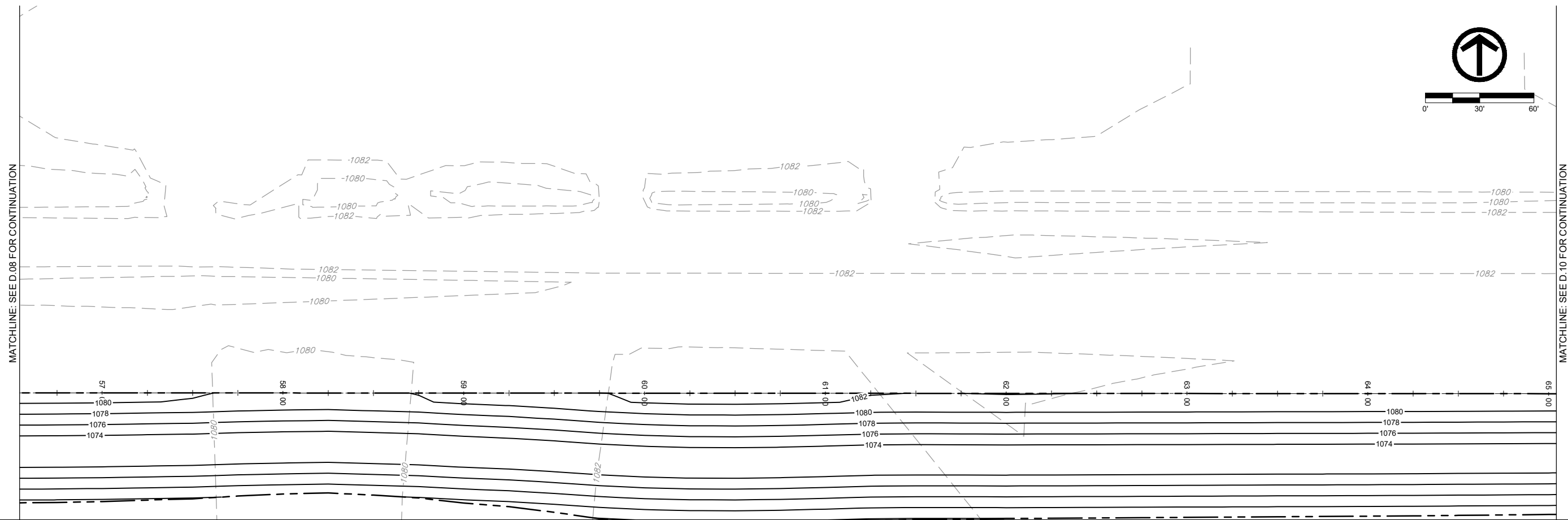
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DATE		REVISIONS		SCALE	AS NOTED		SALIX DRAINAGE DISTRICT WOODBURY COUNTY, IOWA 203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220 712-943-5055 • 712-943-5088(FAX) • 877-241-8009(WATS)	MAIN DITCH - PLAN & PROFILE		DWG. NO.
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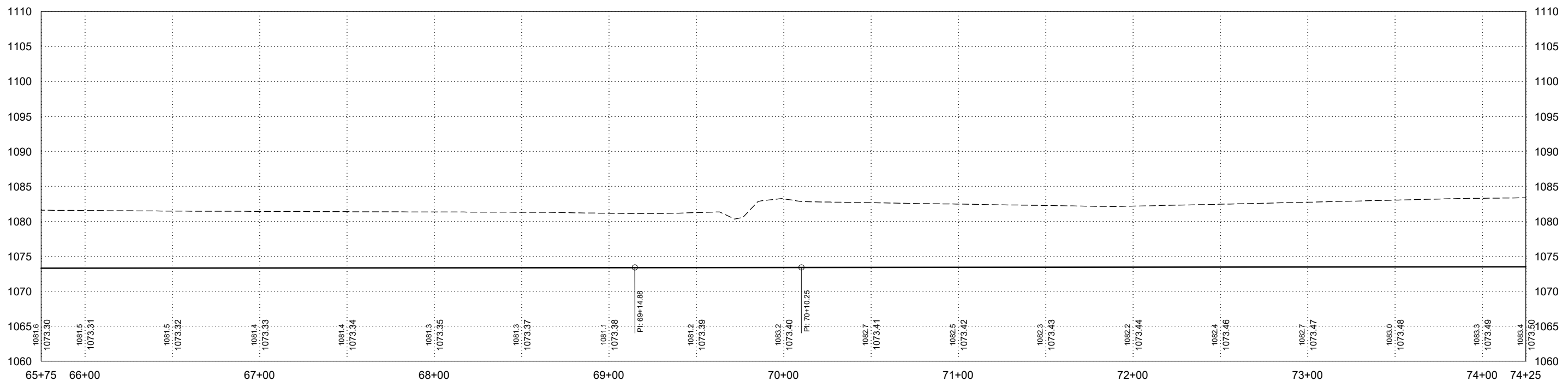
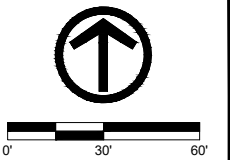
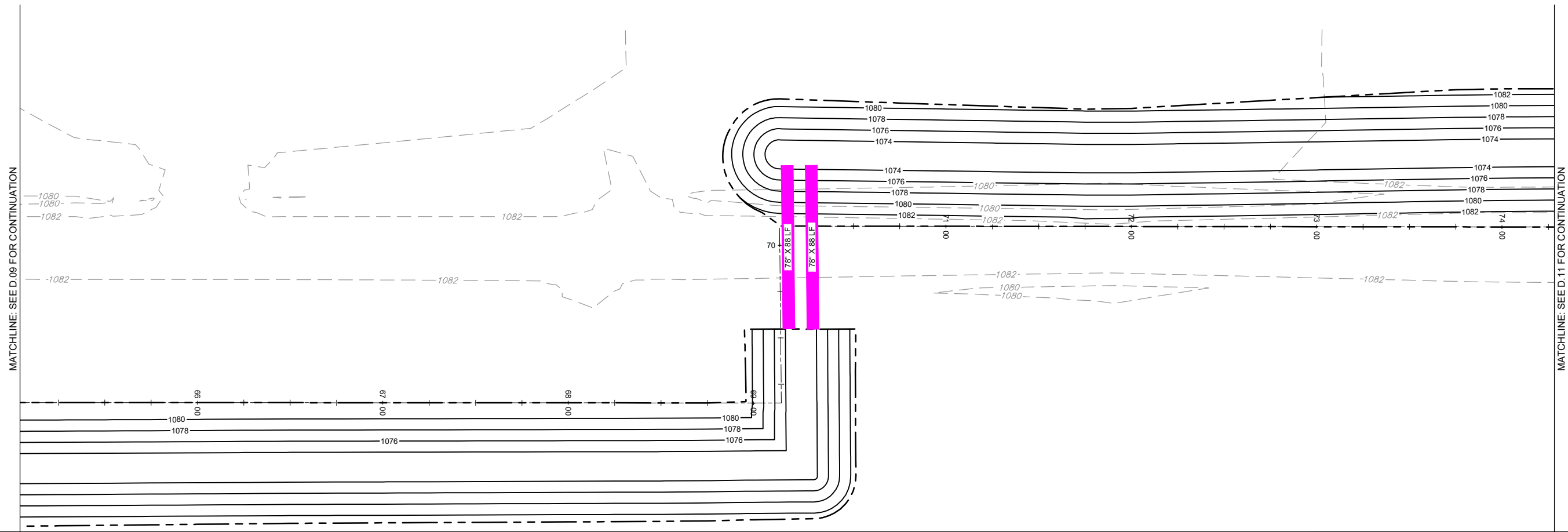
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		ISSUED FOR	REPORT



**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.
D.09
PROJECT
15126



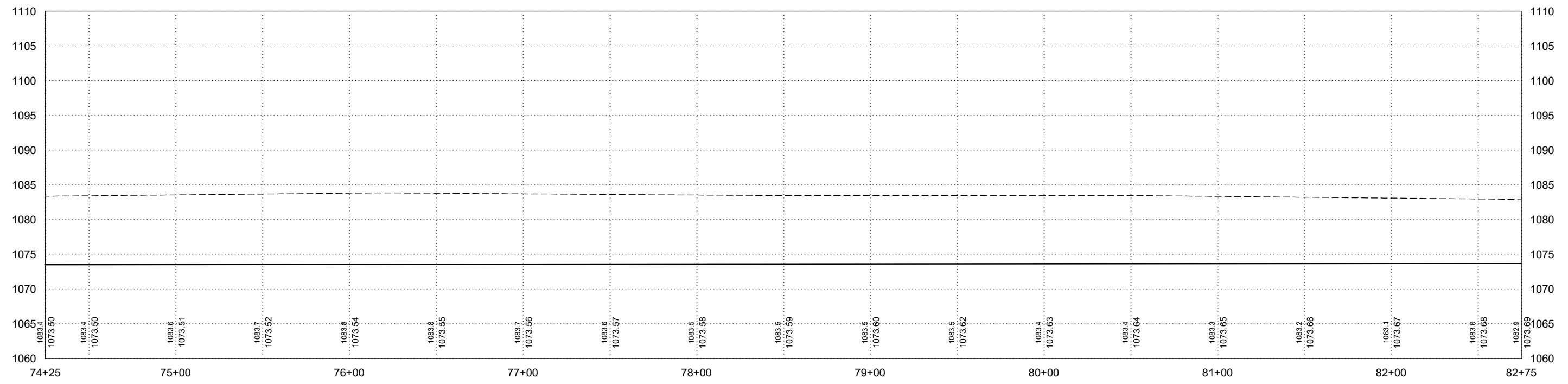
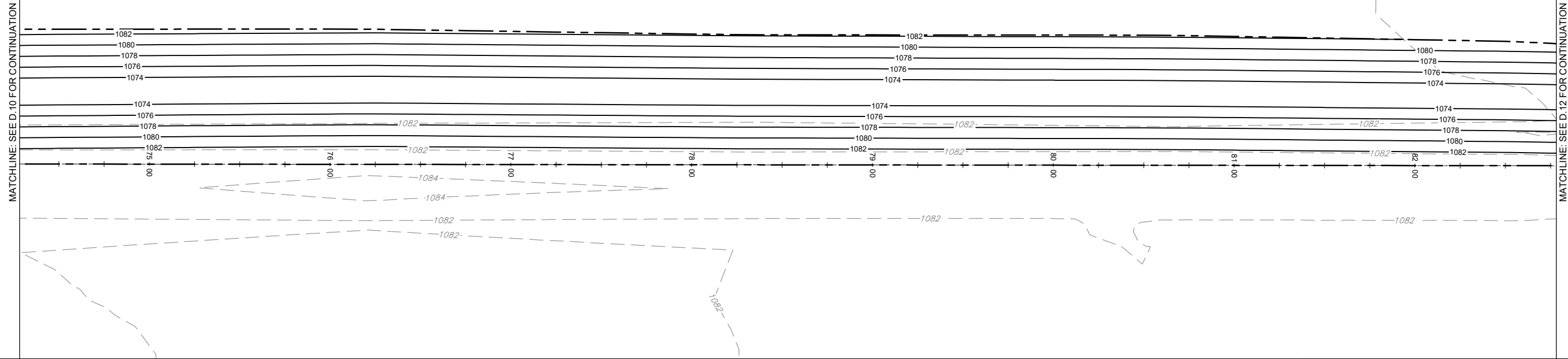
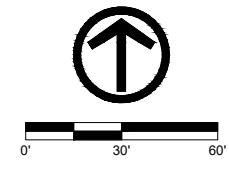
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**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.	D.10
PROJECT	15126



DATE	REVISIONS

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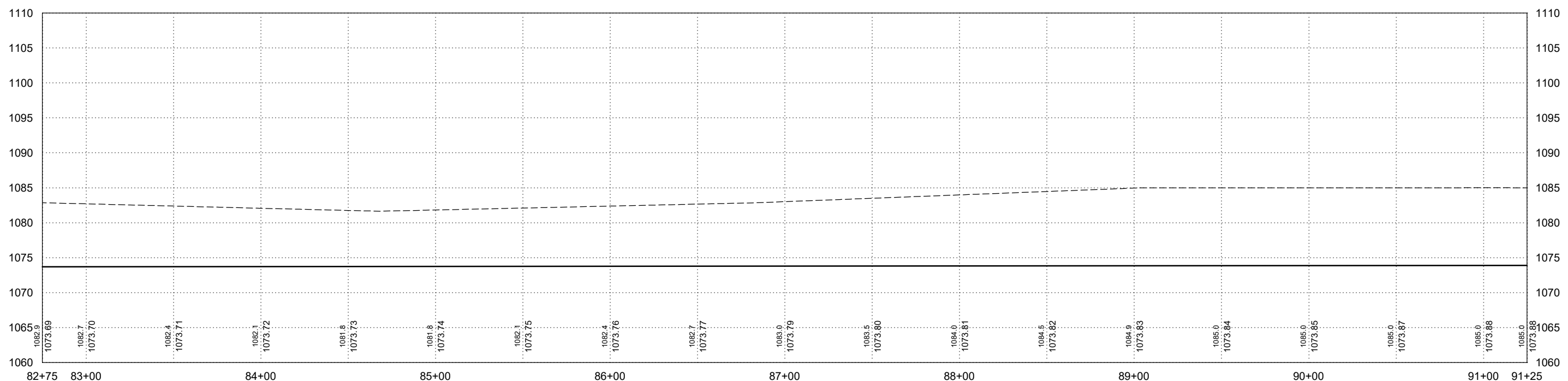
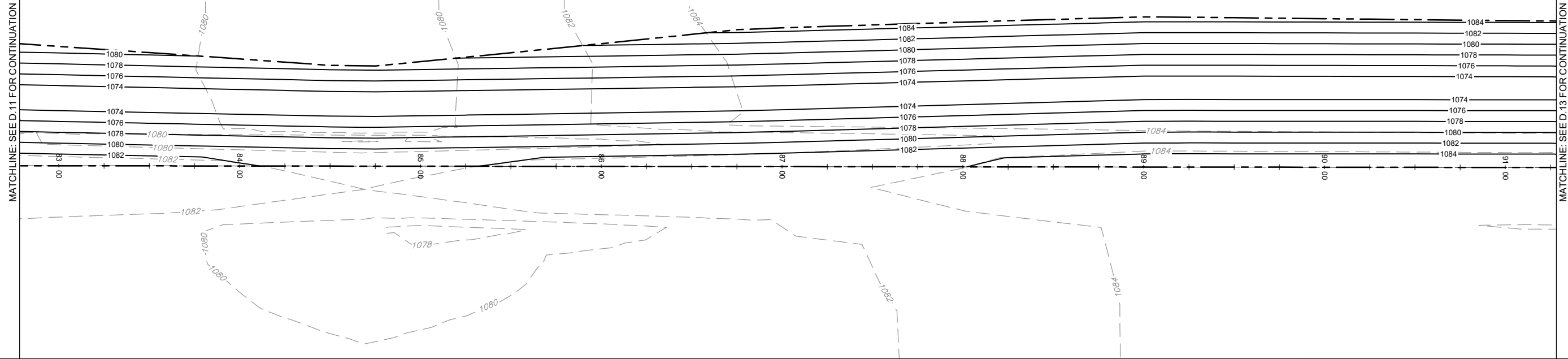
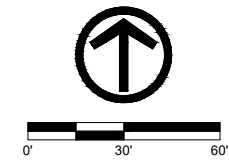
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.11
PROJECT 15126

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DATE	REVISIONS	SCALE	AS NOTED
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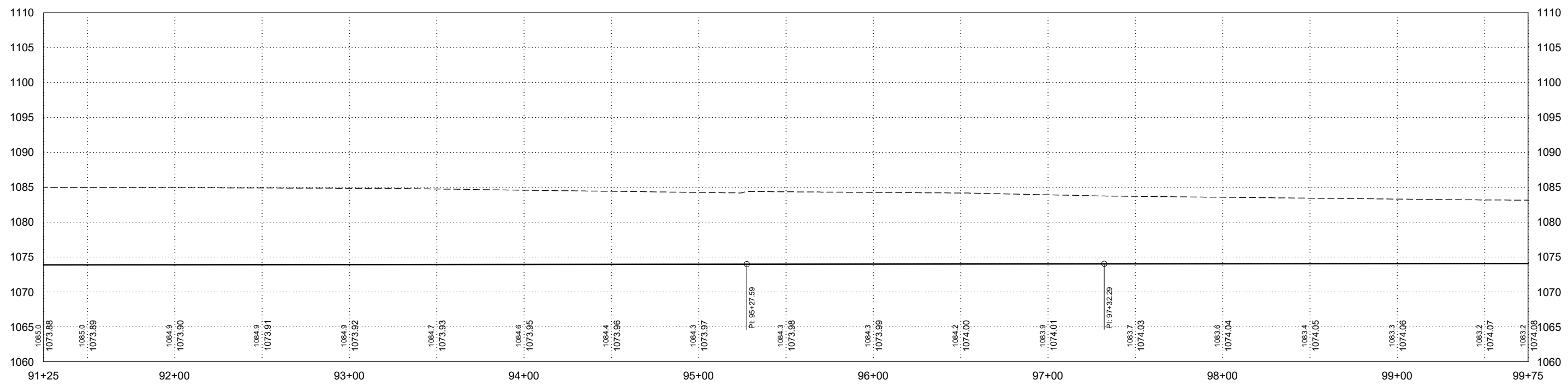
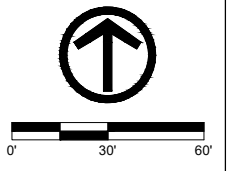
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.	D.12
PROJECT	15126

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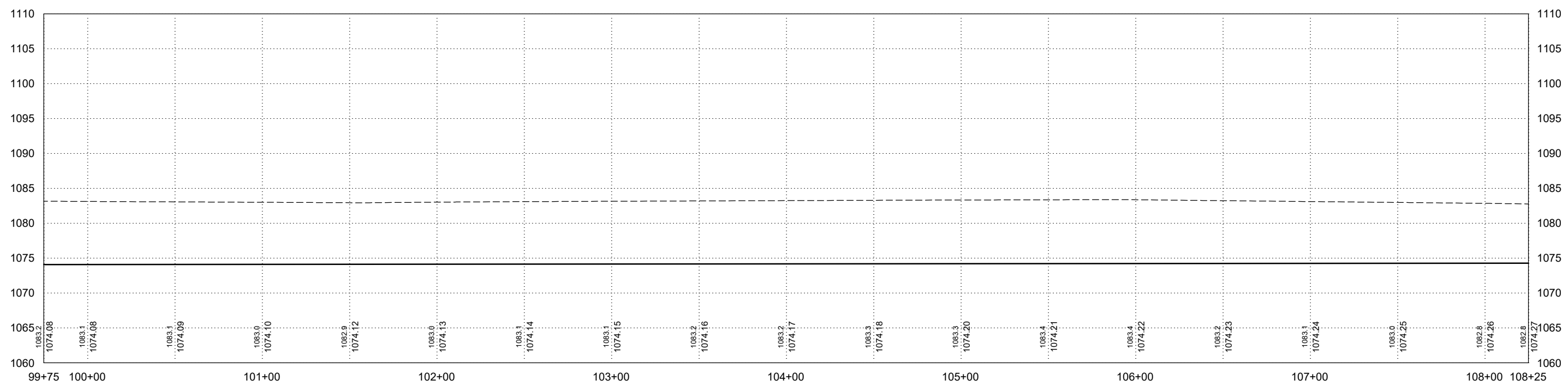
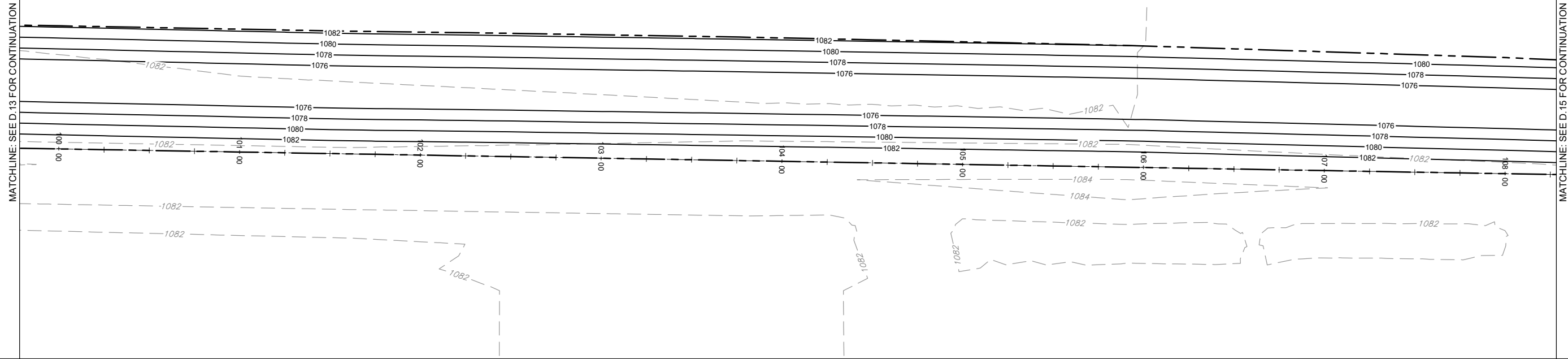
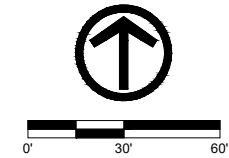
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**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.
D.13
PROJECT 15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
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**SALIX DRAINAGE DISTRICT**  
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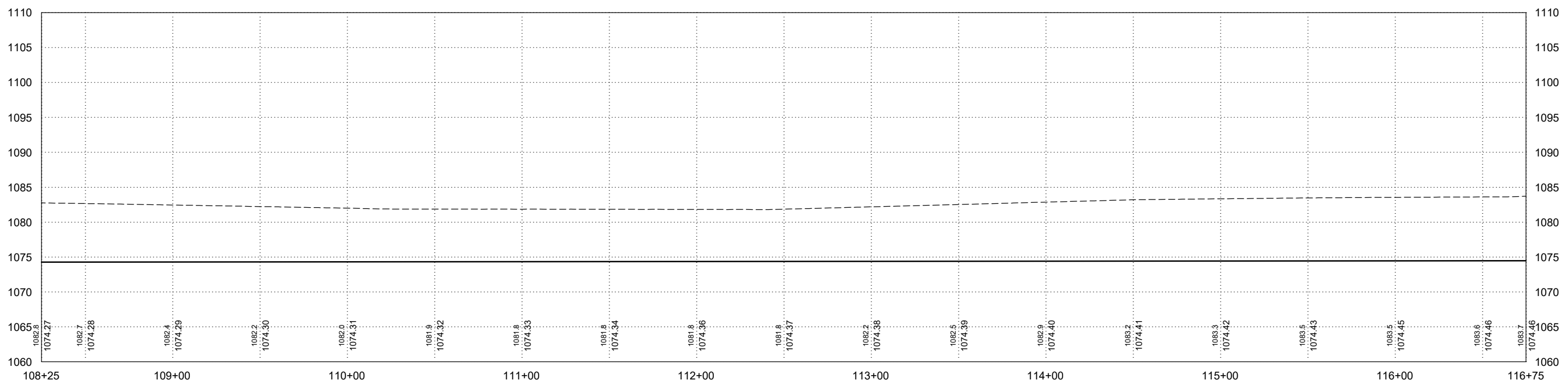
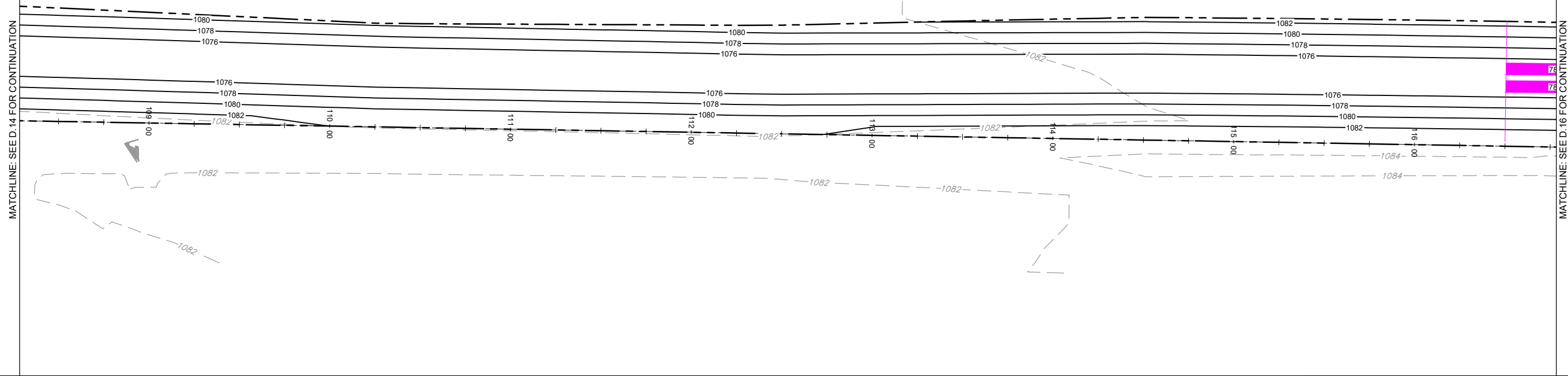
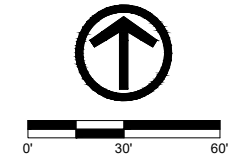
MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.14
PROJECT 15126



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DATE	REVISIONS

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ISSUED FOR	REPORT



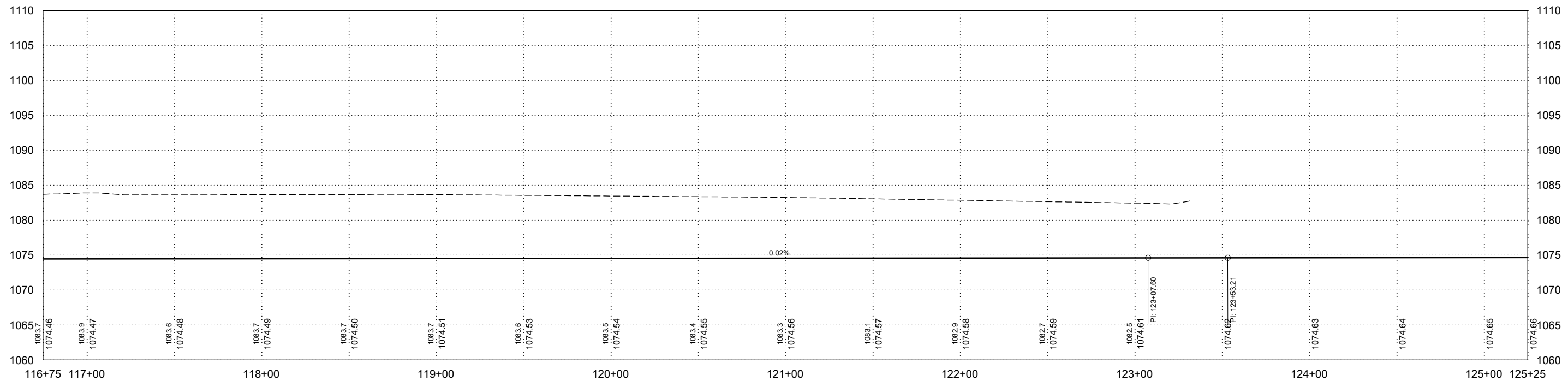
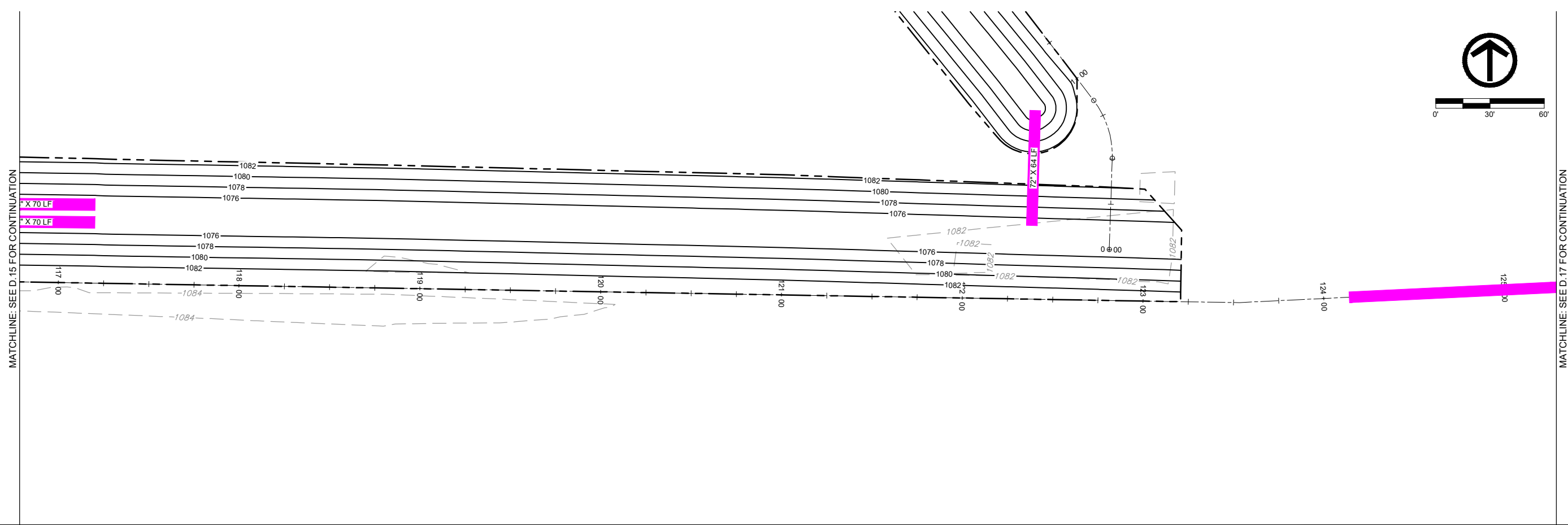
**SALIX DRAINAGE DISTRICT**  
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.15
PROJECT 15126

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DATE	REVISIONS

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DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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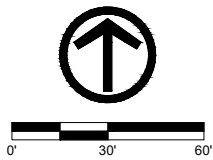
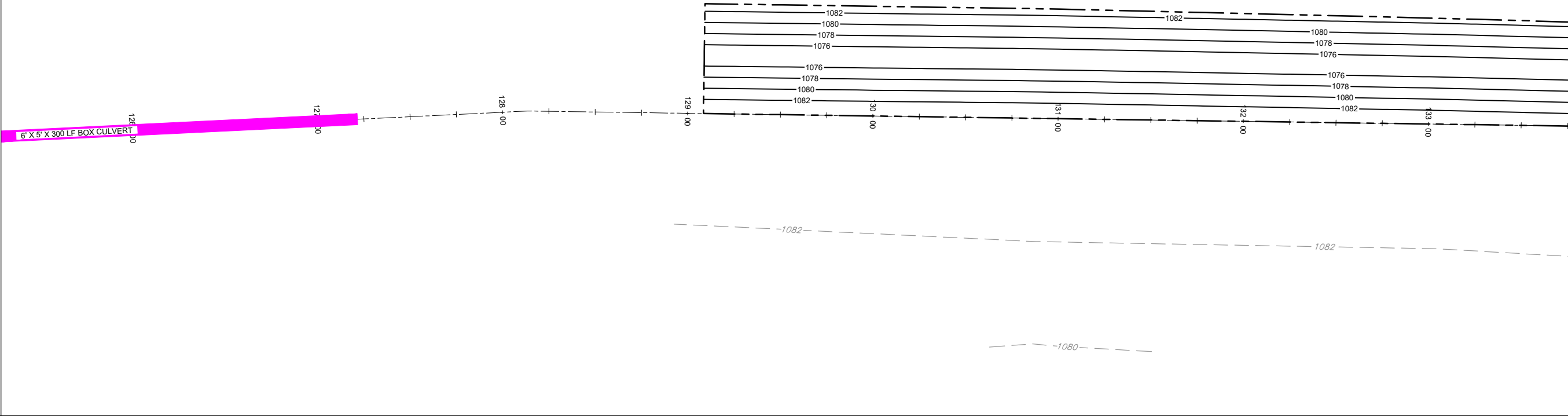
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
712-943-5055 • 712-943-5088(FAX) • 877-241-8009(WATS)

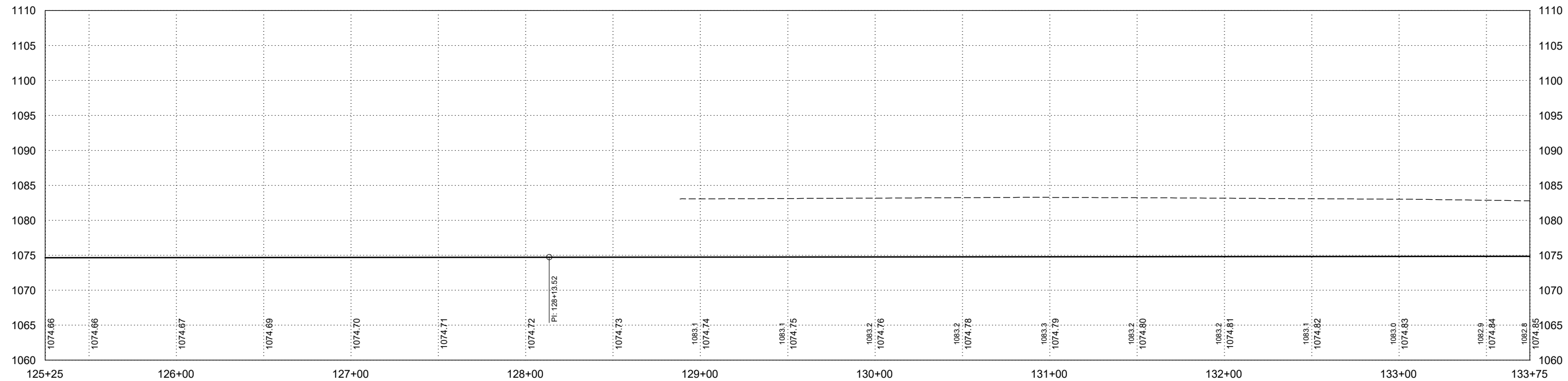
MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.16
PROJECT 15126

MATCHLINE: SEE D.16 FOR CONTINUATION



MATCHLINE: SEE D.18 FOR CONTINUATION



DATE	REVISIONS	SCALE	AS NOTED
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		DATE	09-12-2023
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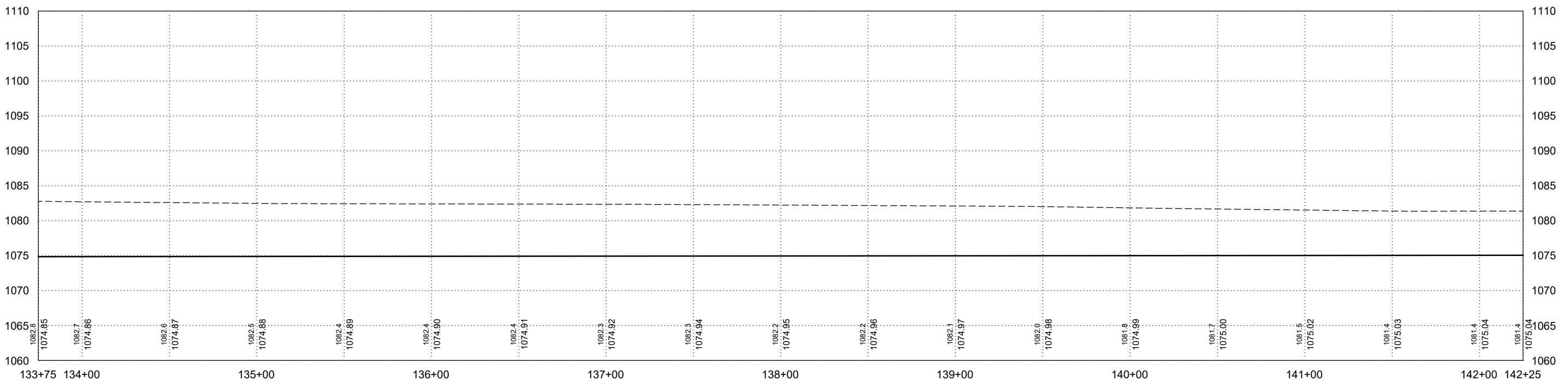
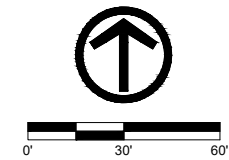
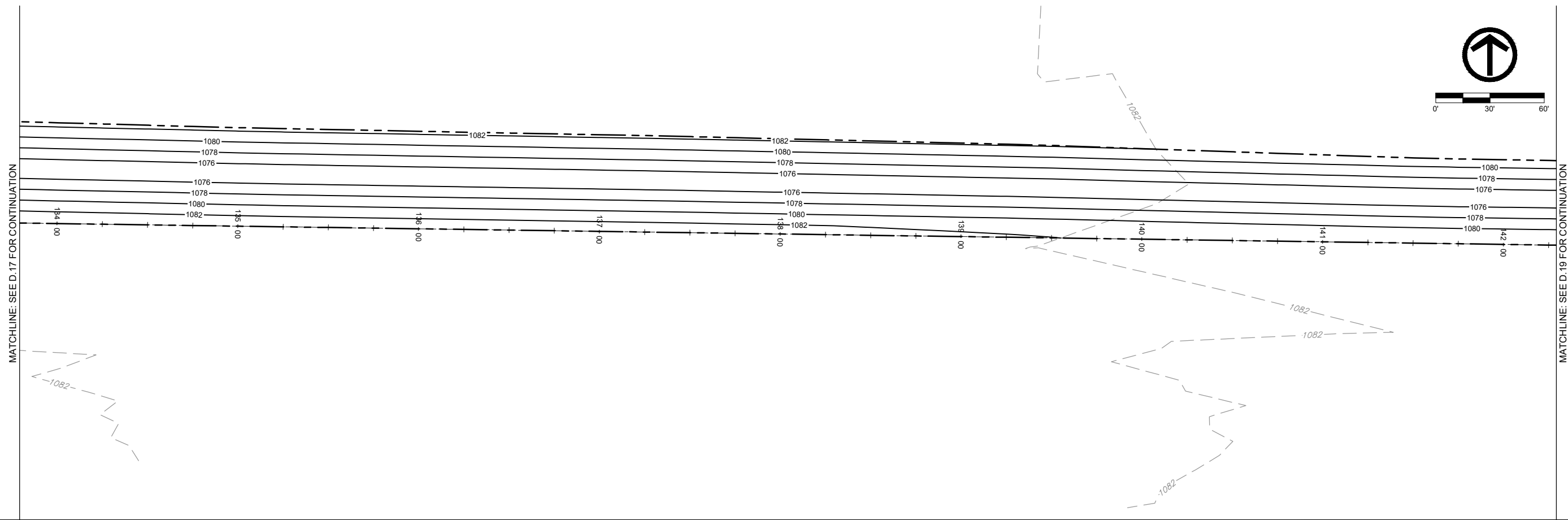


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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.17
PROJECT
15126



DATE	REVISIONS	SCALE	AS NOTED
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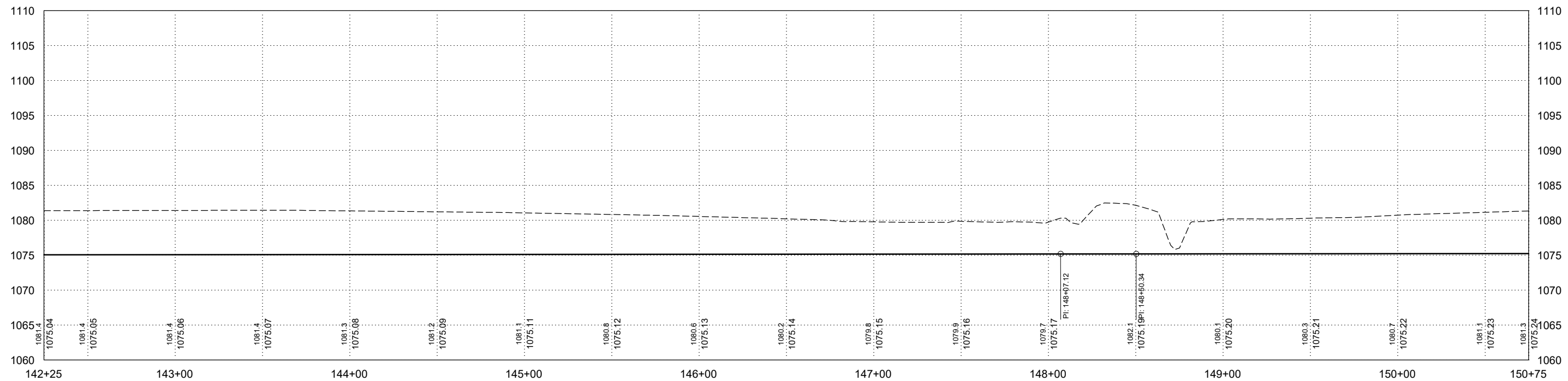
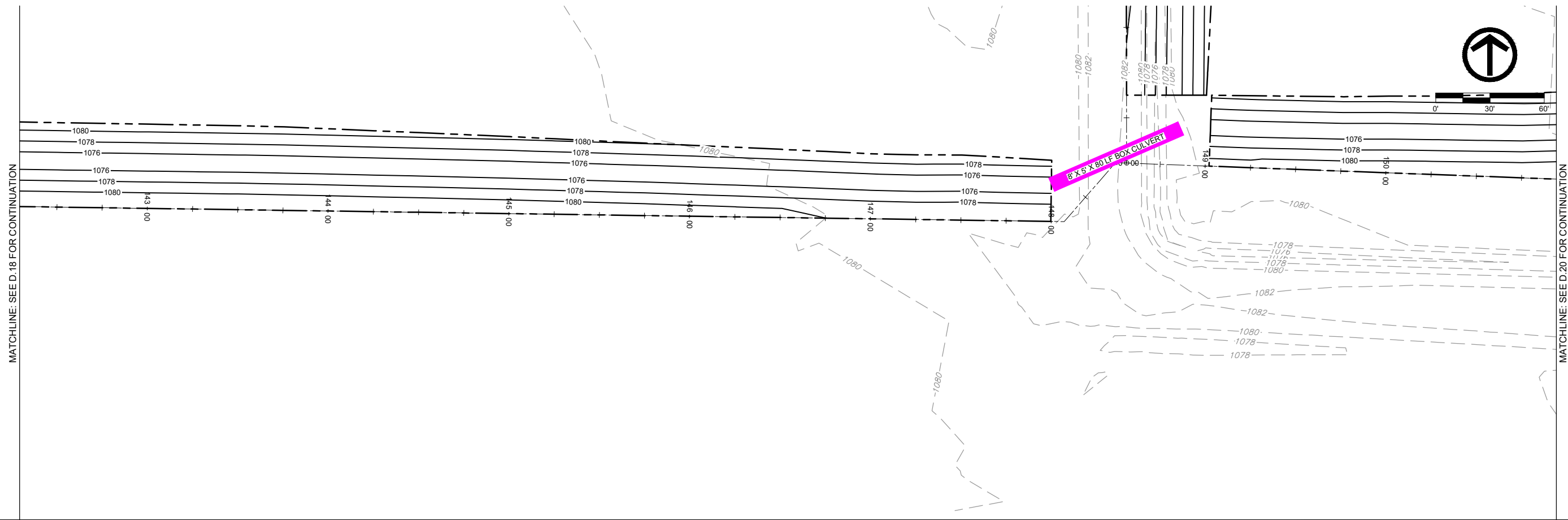


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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.18
PROJECT
15126



DATE	REVISIONS

SCALE	AS NOTED
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CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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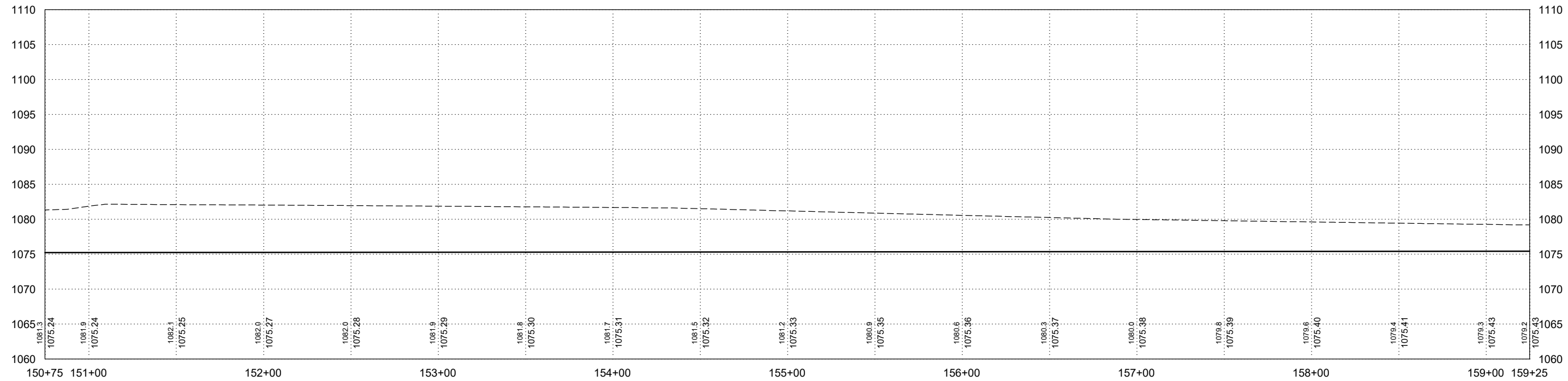
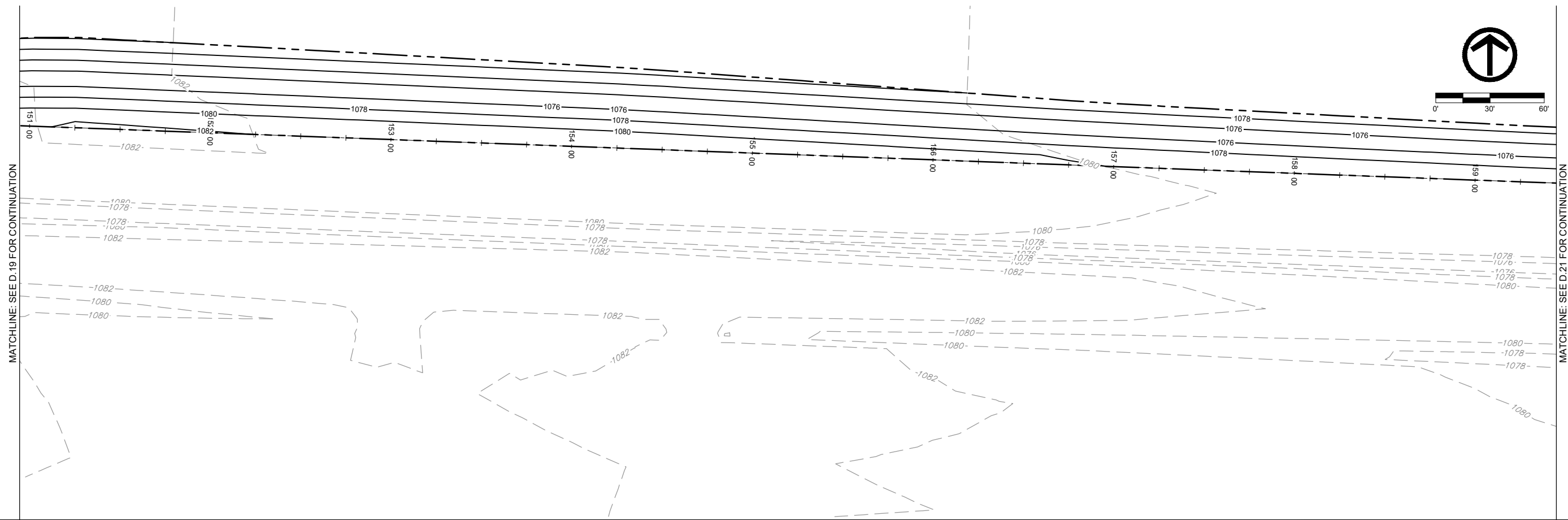
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.19
PROJECT 15126

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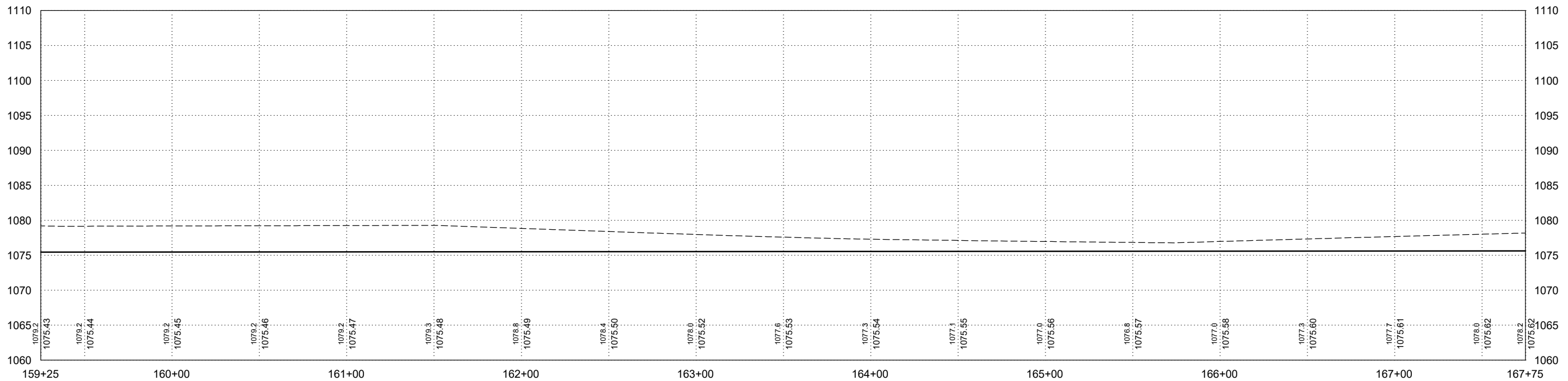
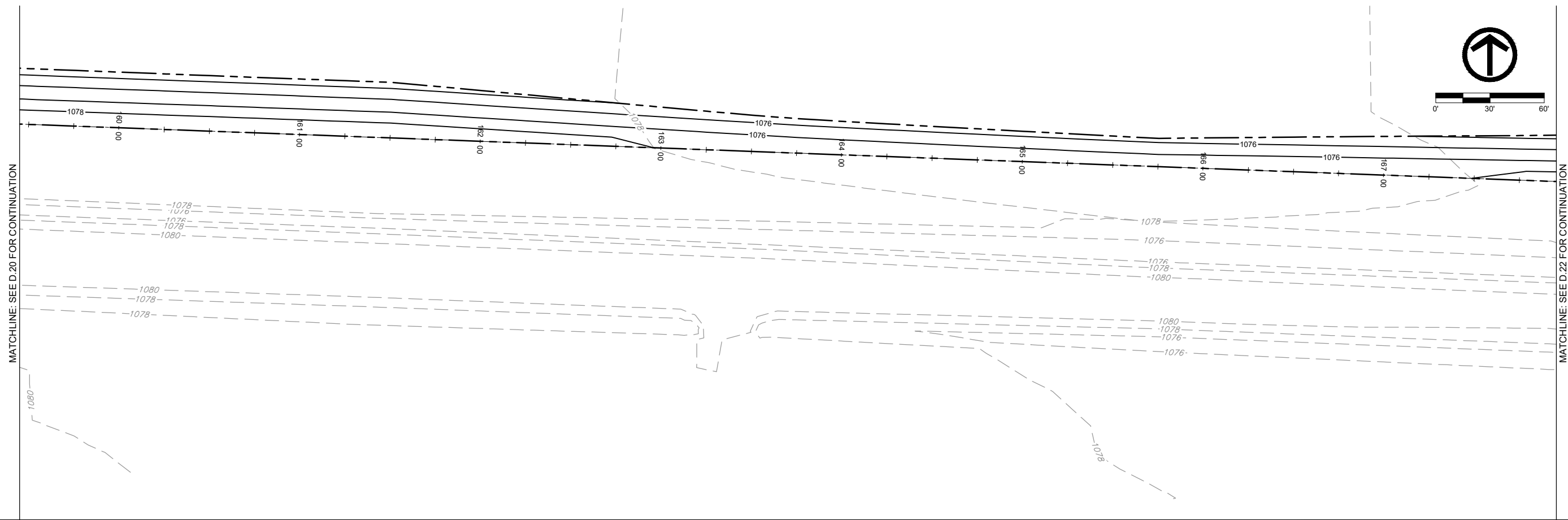
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		DATE	09-12-2023
		ISSUED FOR	REPORT



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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.
D.20
PROJECT
15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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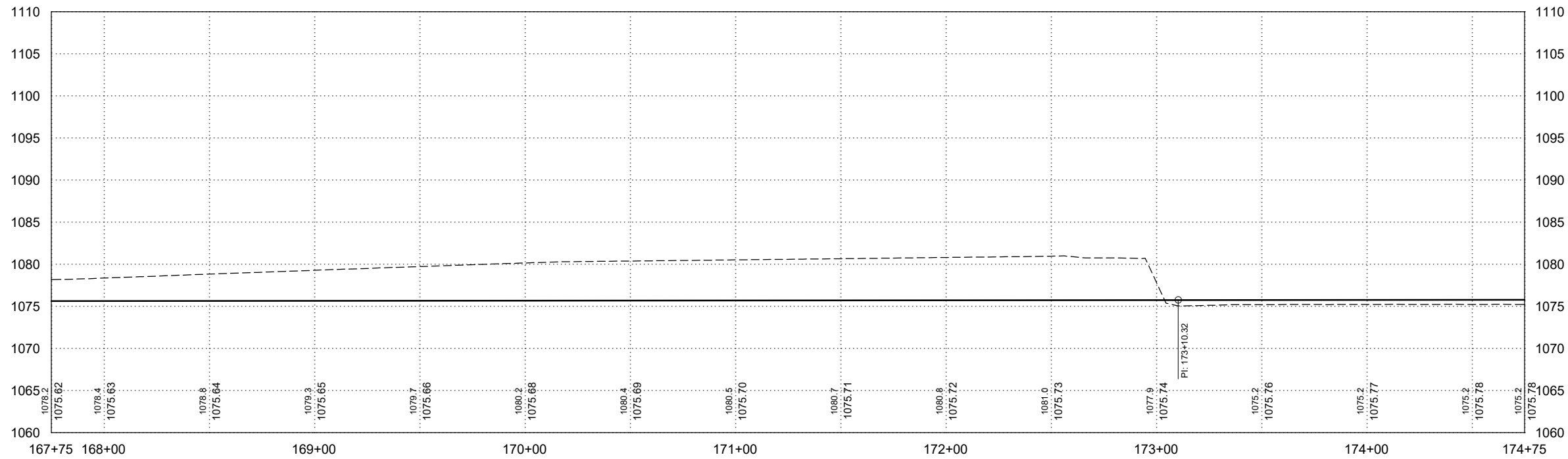
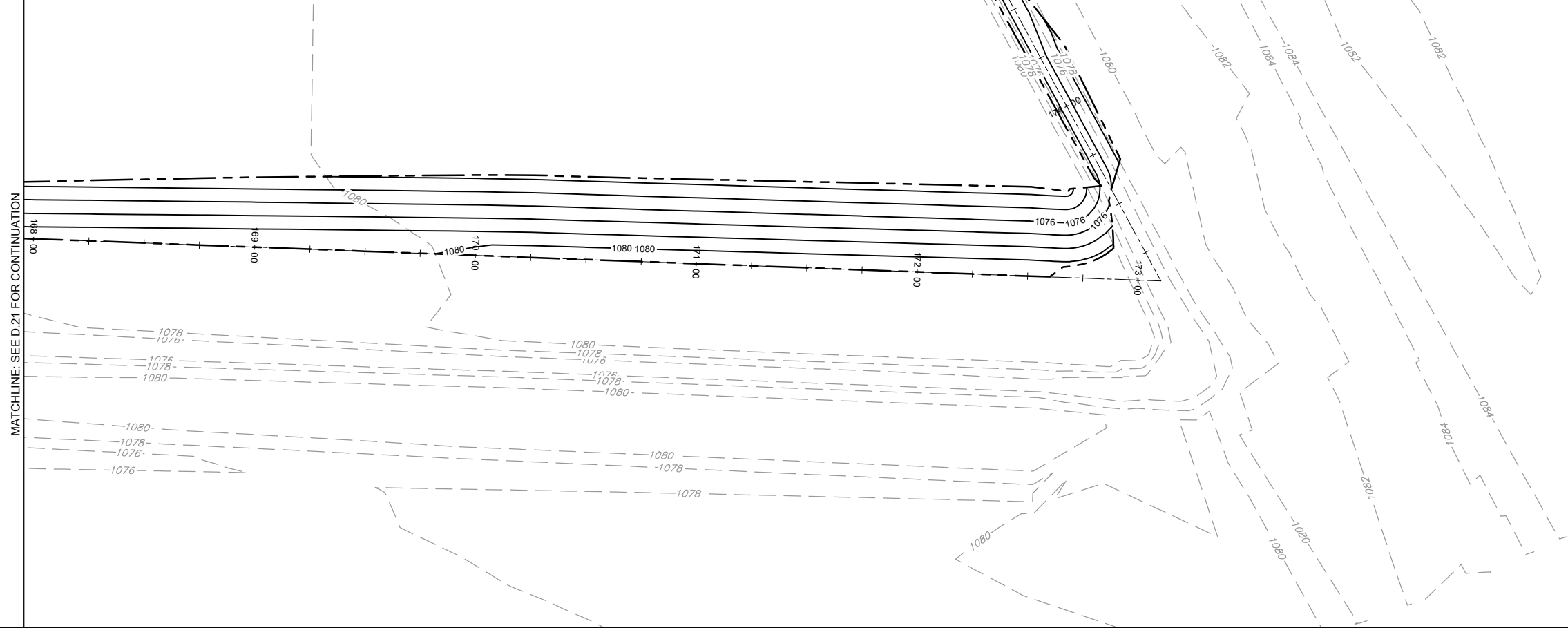
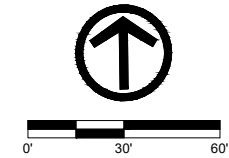
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH - PLAN & PROFILE**

DWG. NO.
D.21
PROJECT 15126

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MATCHLINE: SEE D.23 FOR CONTINUATION



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DATE	REVISIONS	SCALE	AS NOTED
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		APPROVED	PEM
		DATE	09-12-2023
		ISSUED FOR	REPORT



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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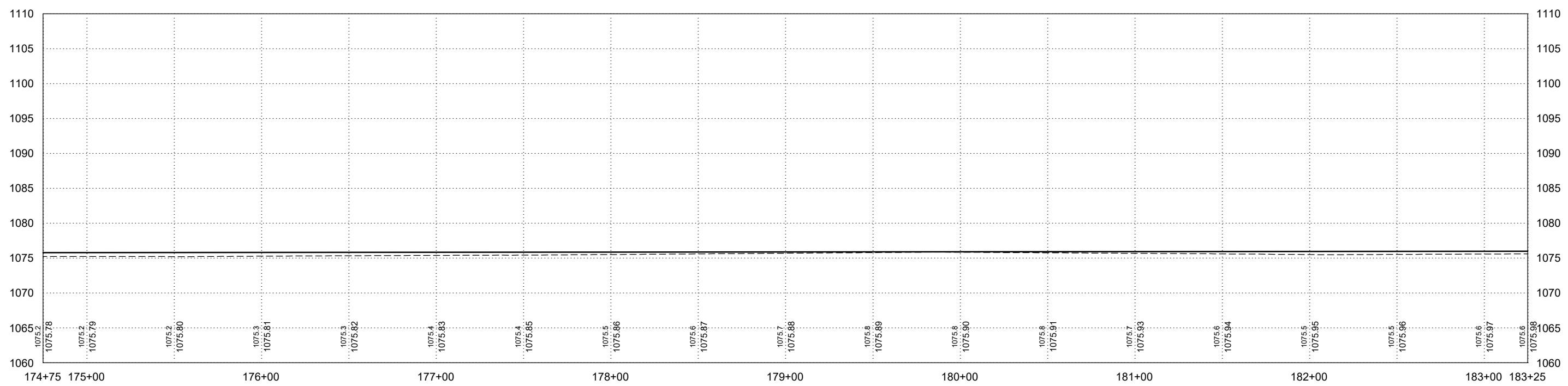
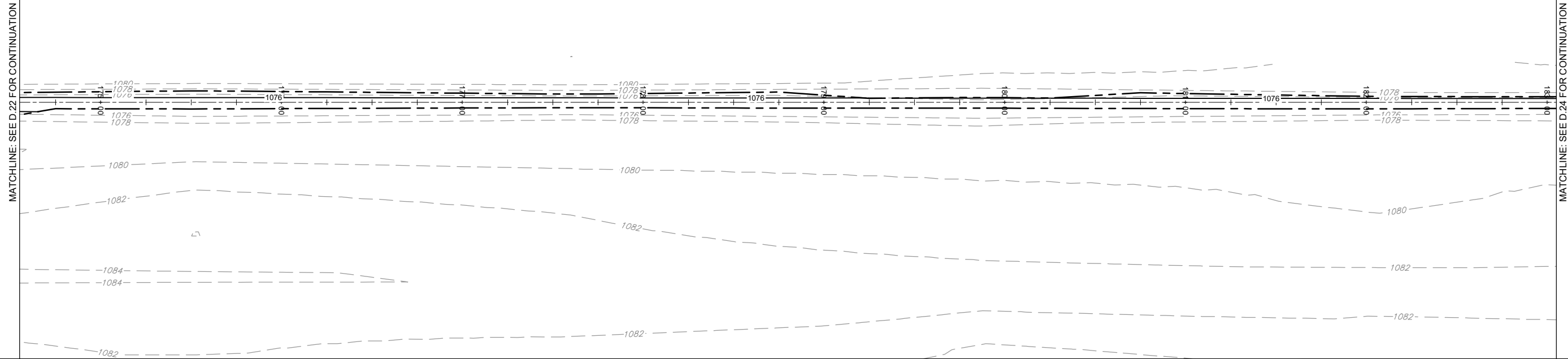
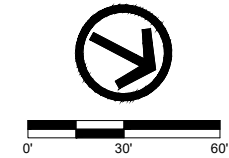
MAIN DITCH - PLAN & PROFILE

DWG. NO.	D.22
PROJECT	15126



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DATE	REVISIONS	SCALE	AS NOTED
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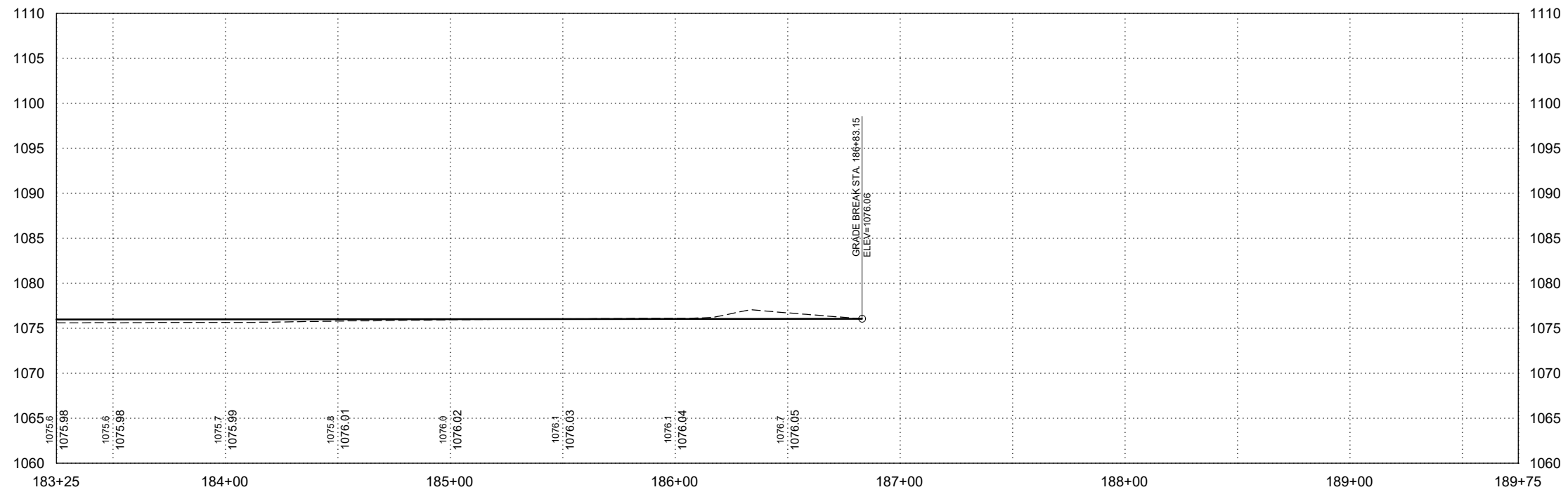
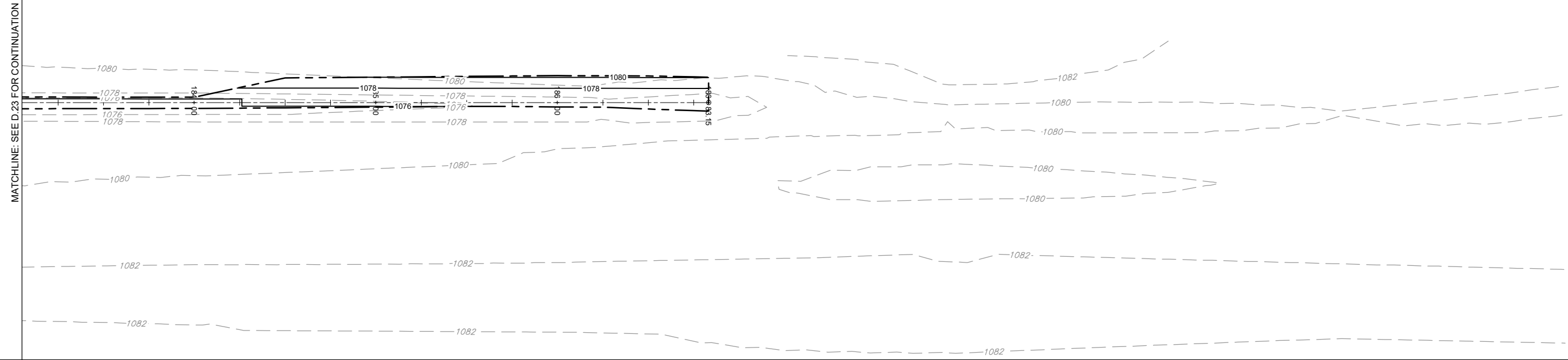
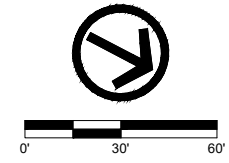


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MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.23
PROJECT
15126



DATE	REVISIONS	SCALE	AS NOTED
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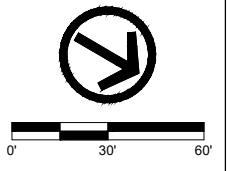
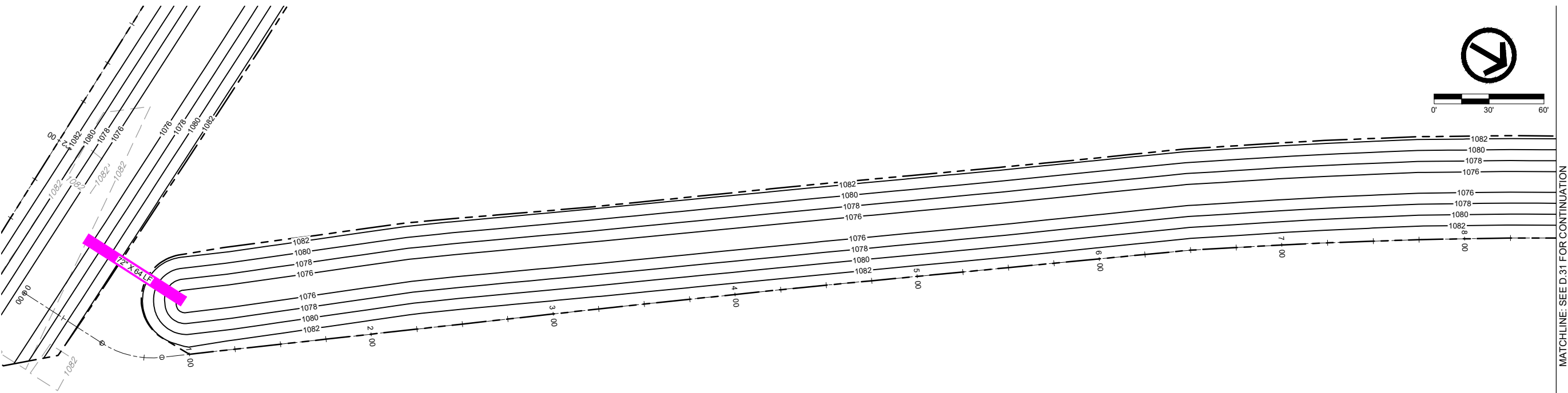
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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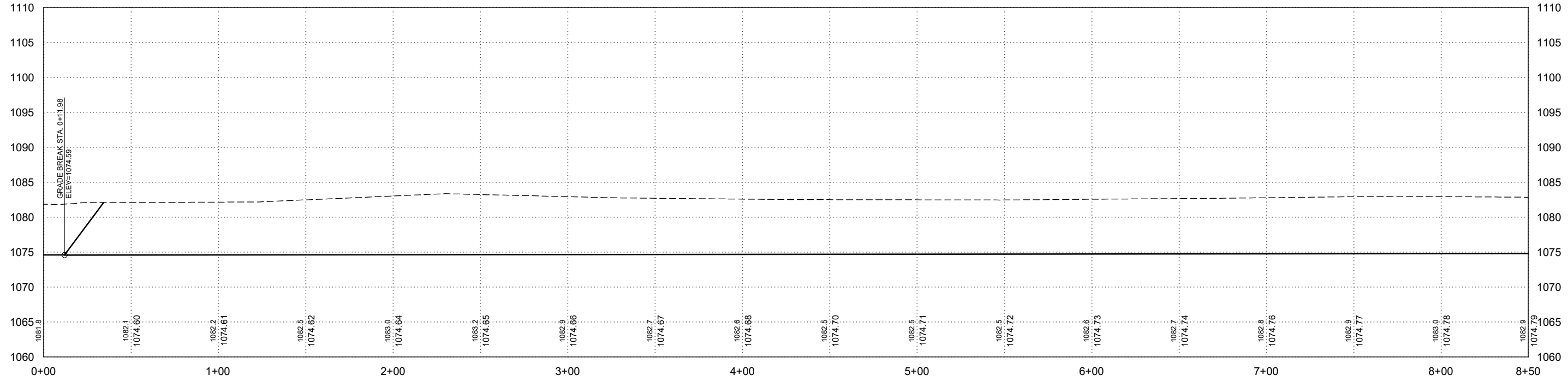
MAIN DITCH - PLAN & PROFILE

DWG. NO.
D.24
PROJECT 15126

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MATCHLINE: SEE D.31 FOR CONTINUATION



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DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	JWD
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

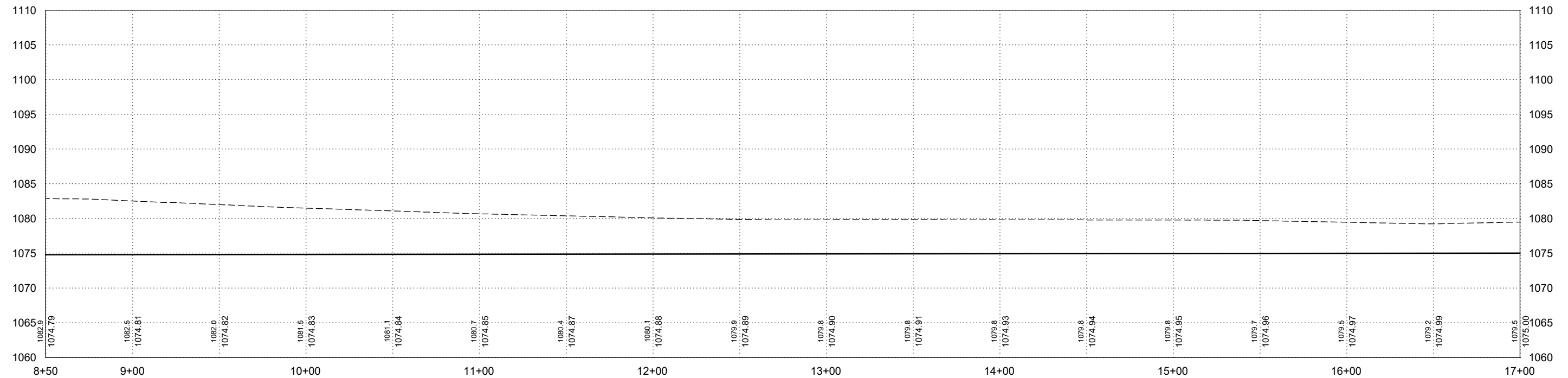
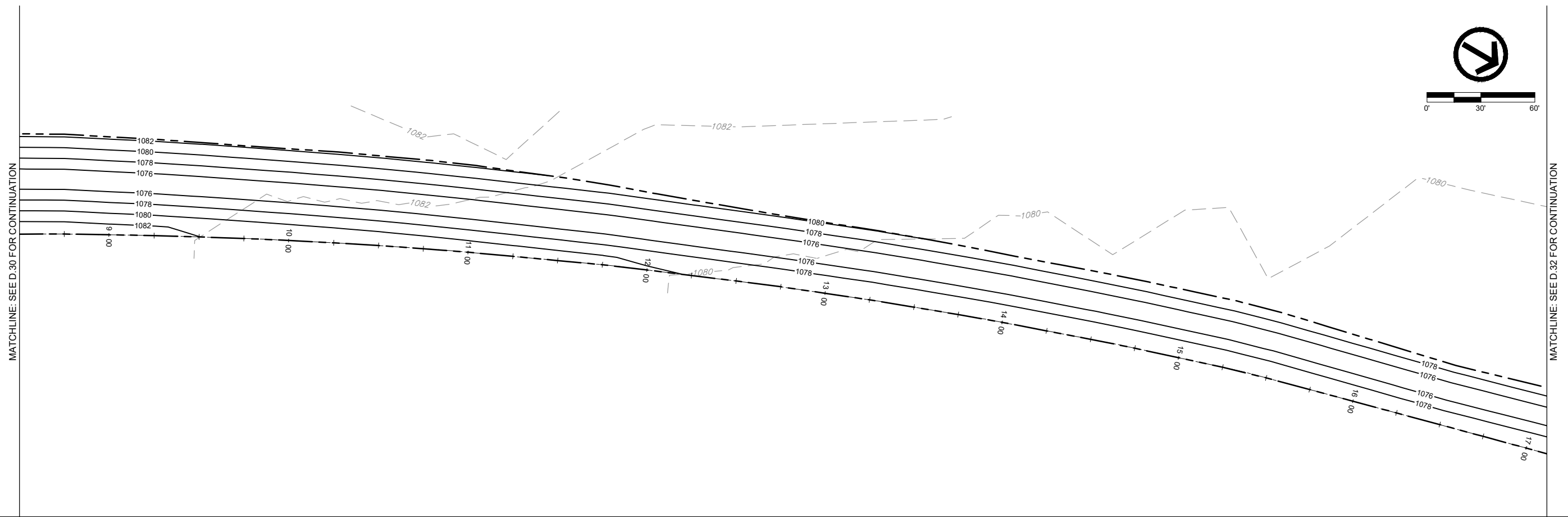
203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.30
PROJECT	15126

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DATE	REVISIONS	SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

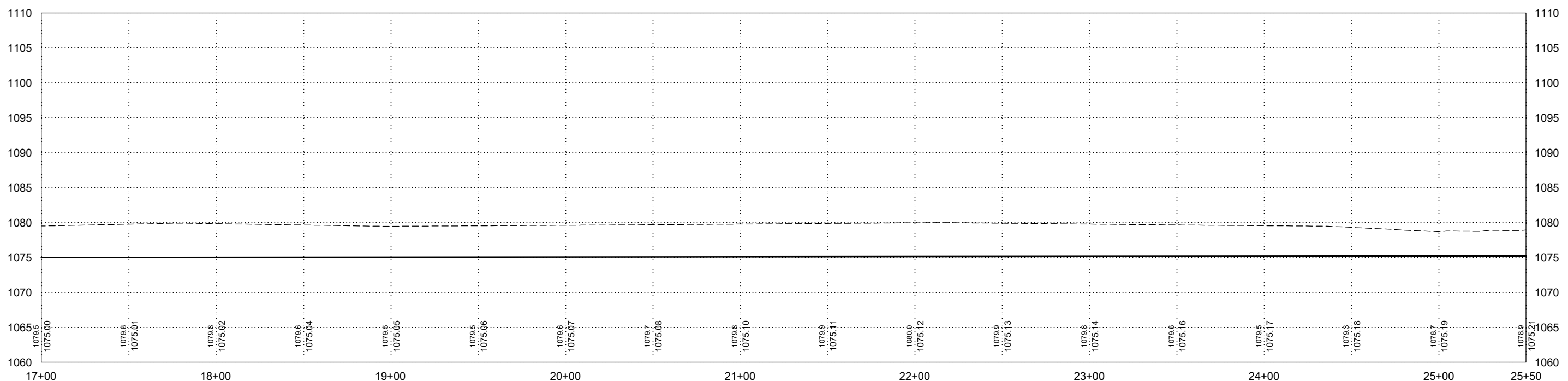
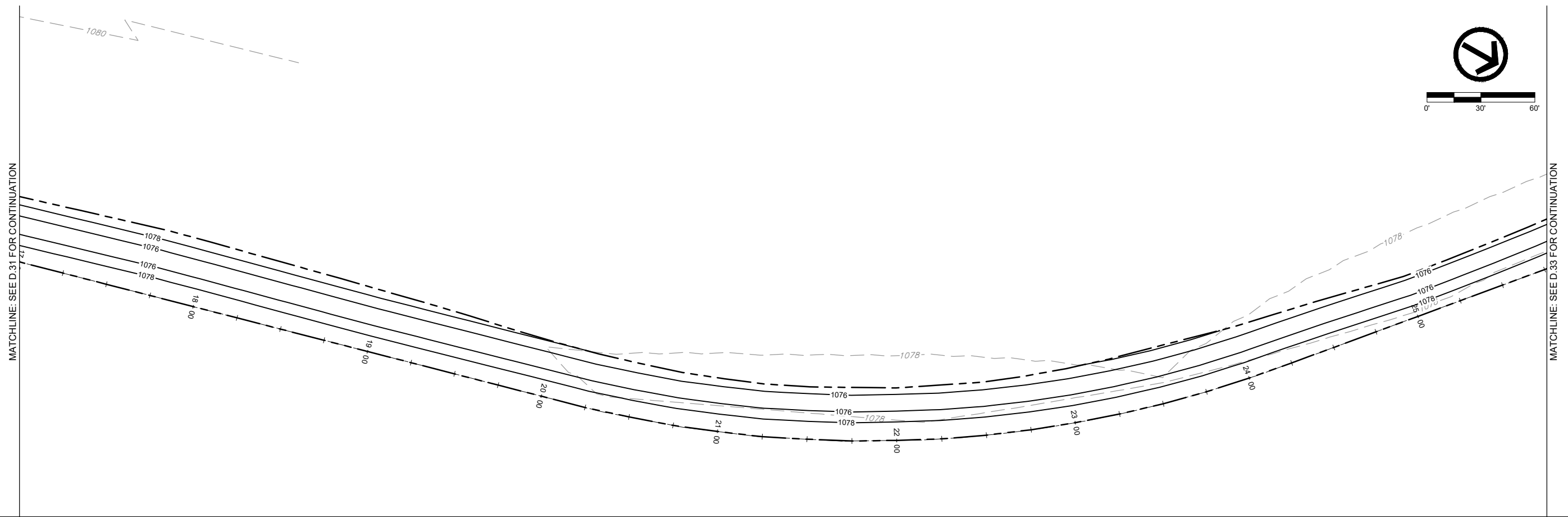
203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
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LATERAL 1 - PLAN & PROFILE

DWG. NO.
D.31
PROJECT
15126

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DATE	REVISIONS	SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

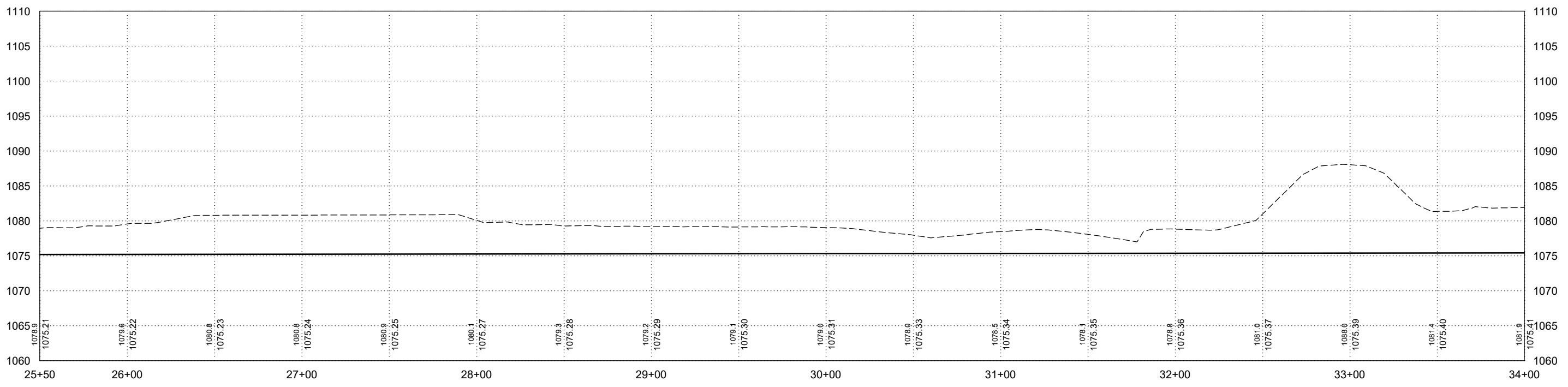
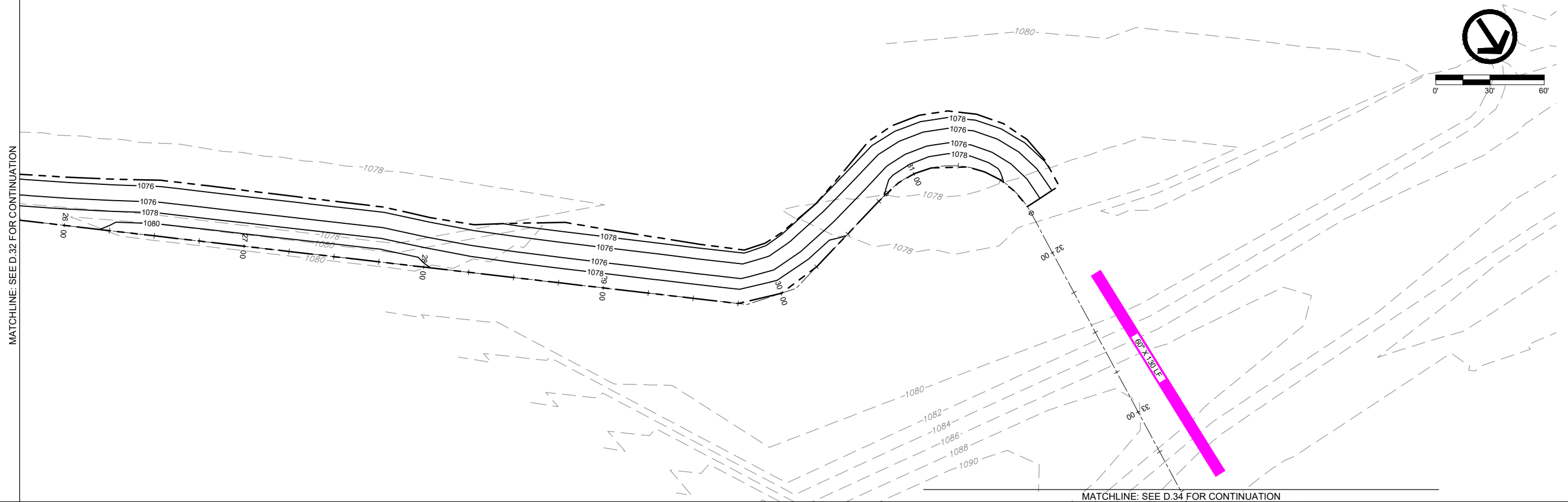
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.32
PROJECT	15126

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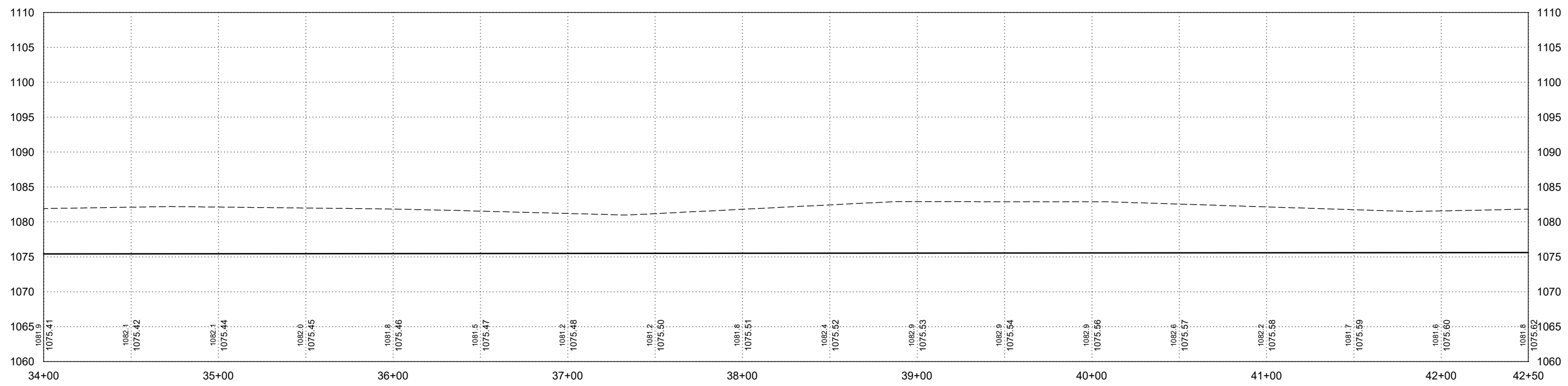
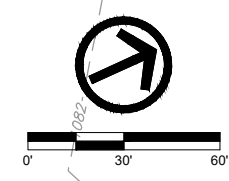
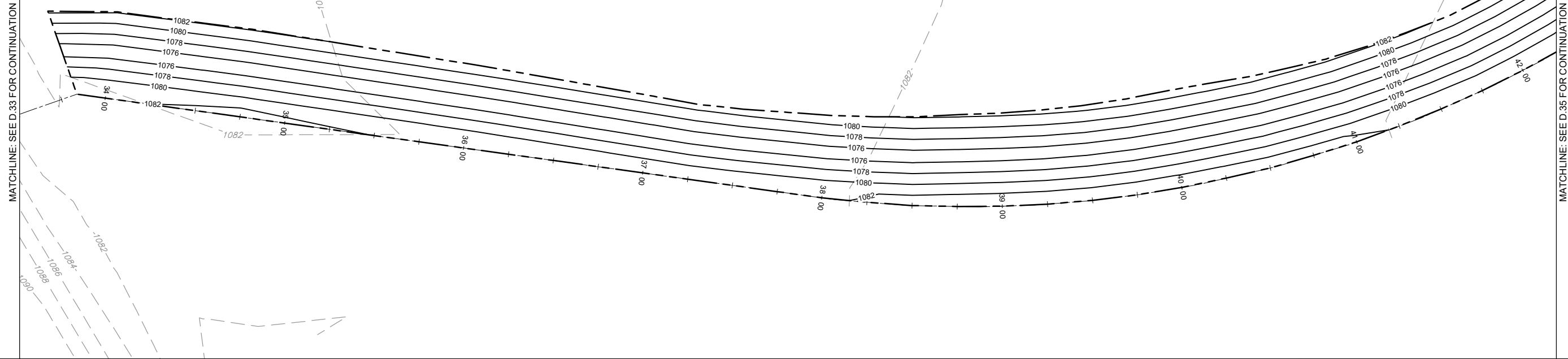
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**WOODBURY COUNTY, IOWA**  
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LATERAL 1 - PLAN & PROFILE

DWG. NO.
D.33
PROJECT 15126



DATE	REVISIONS	SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

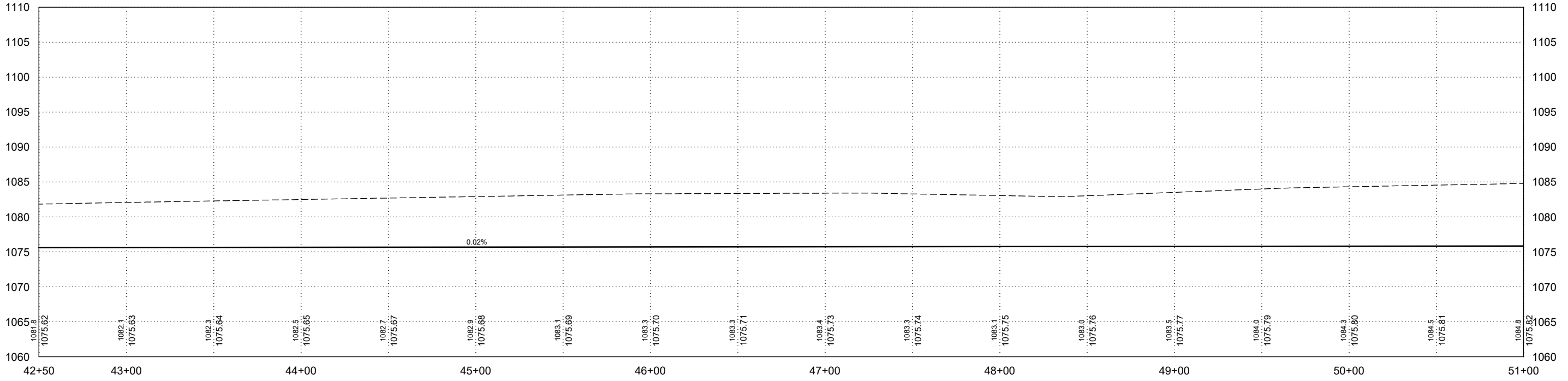
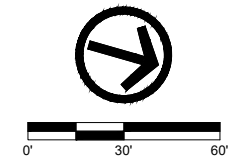
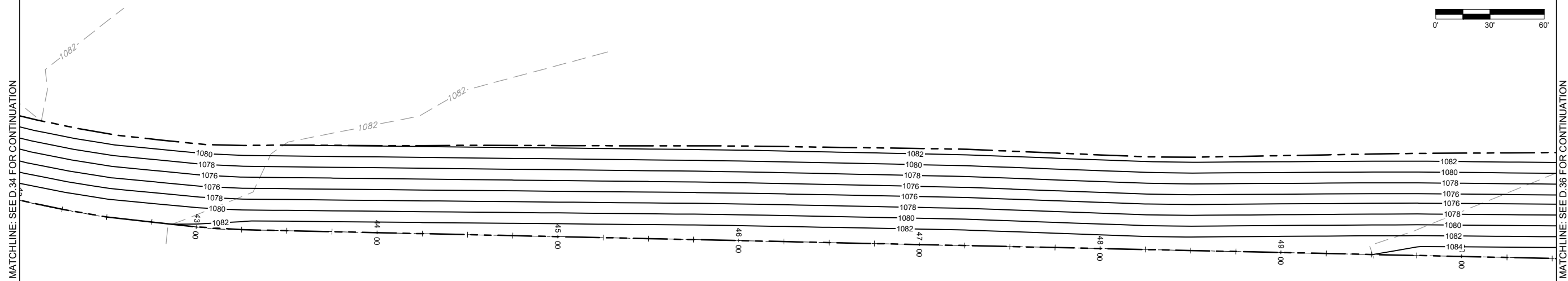
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.34
PROJECT	15126

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DATE	REVISIONS	SCALE	AS NOTED
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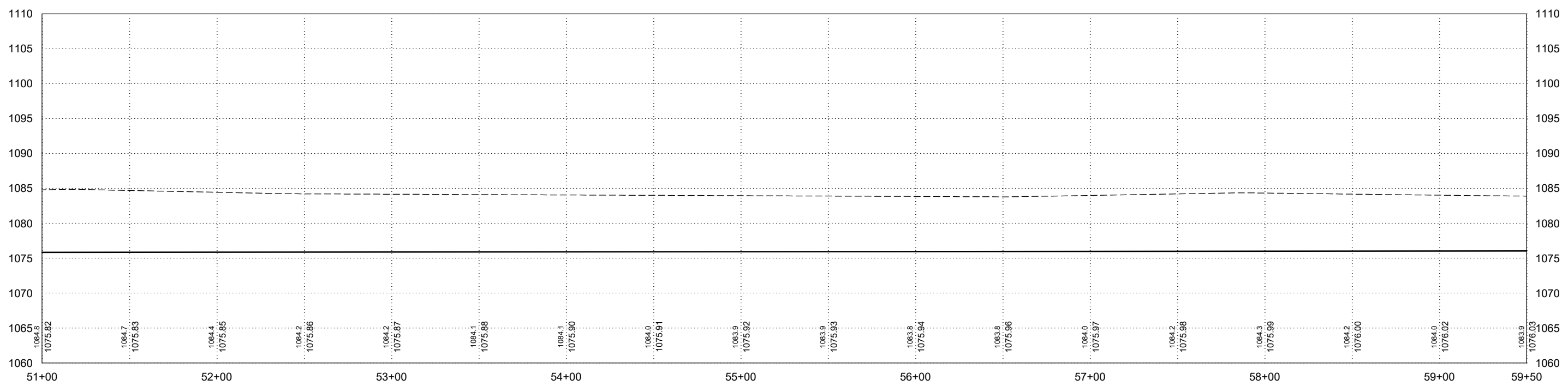
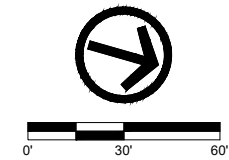
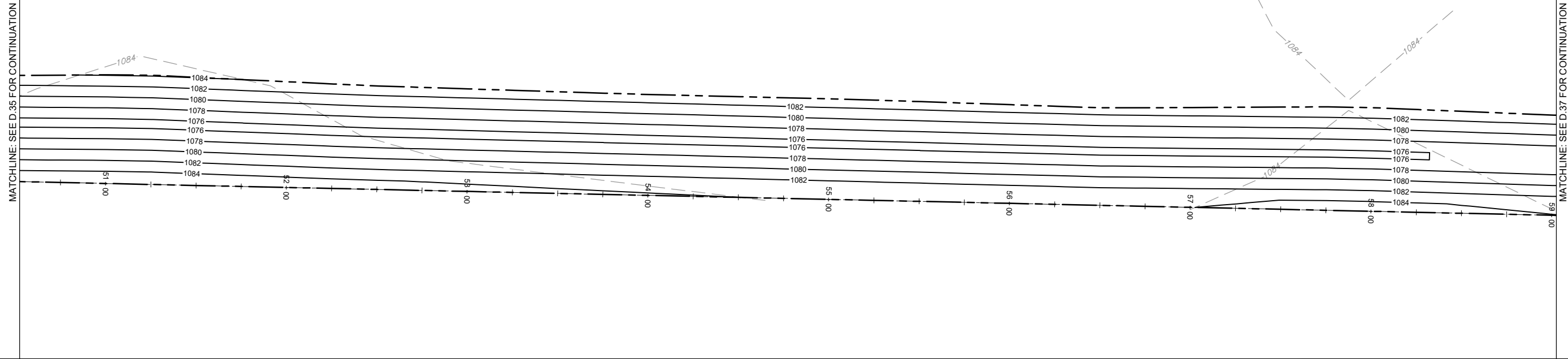
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.35
PROJECT	15126





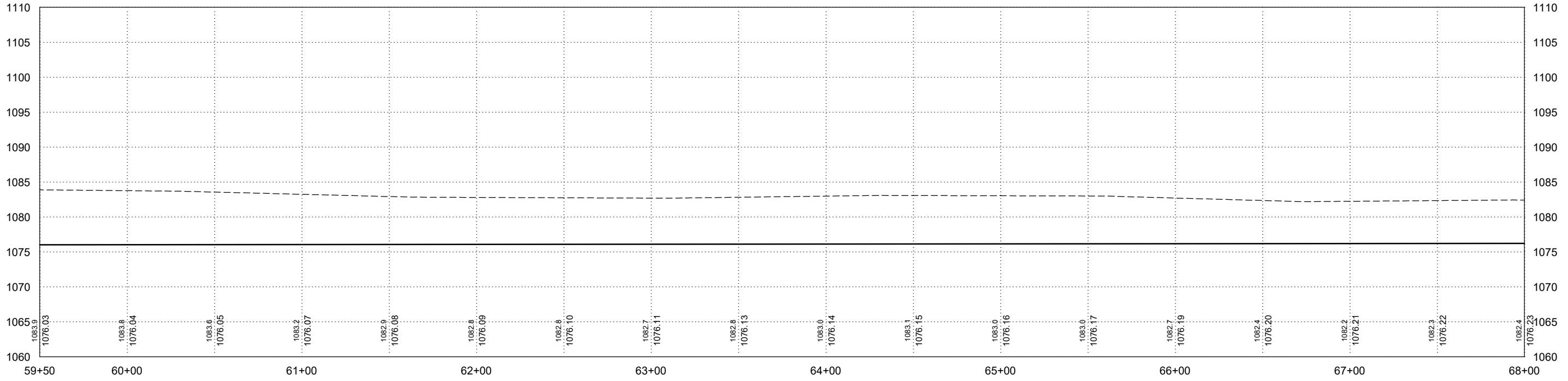
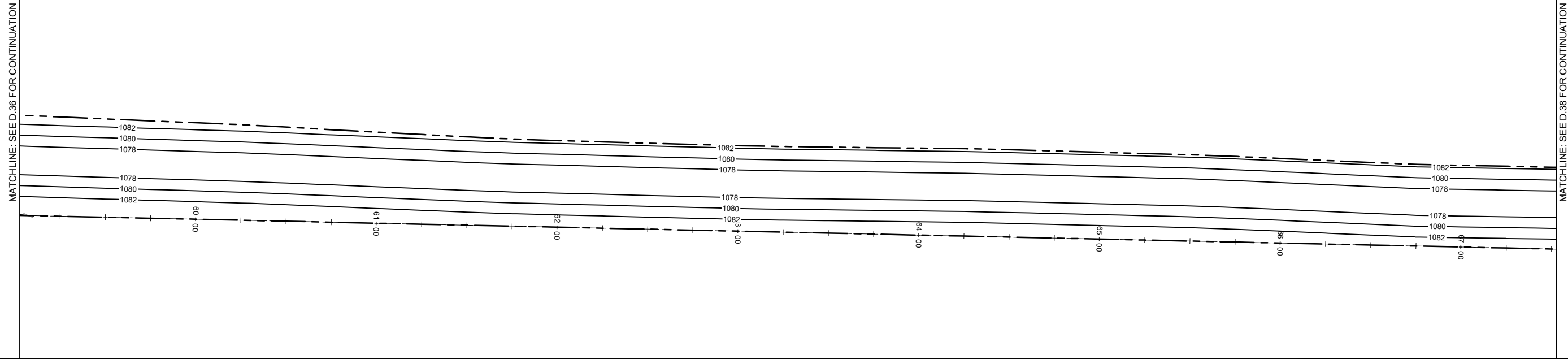
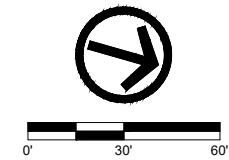
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		DATE	09-12-2023
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**SALIX DRAINAGE DISTRICT**  
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.36
PROJECT	15126



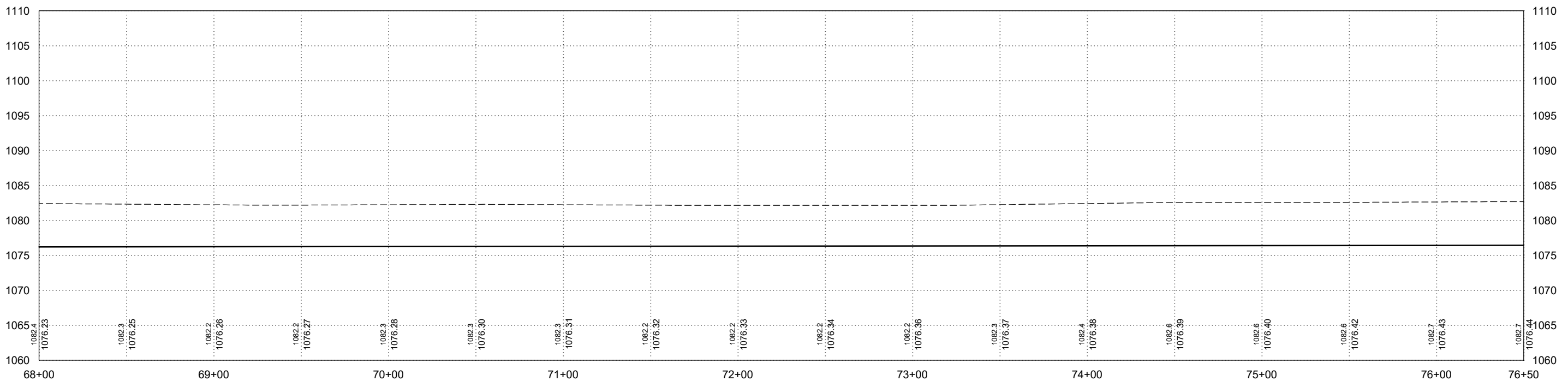
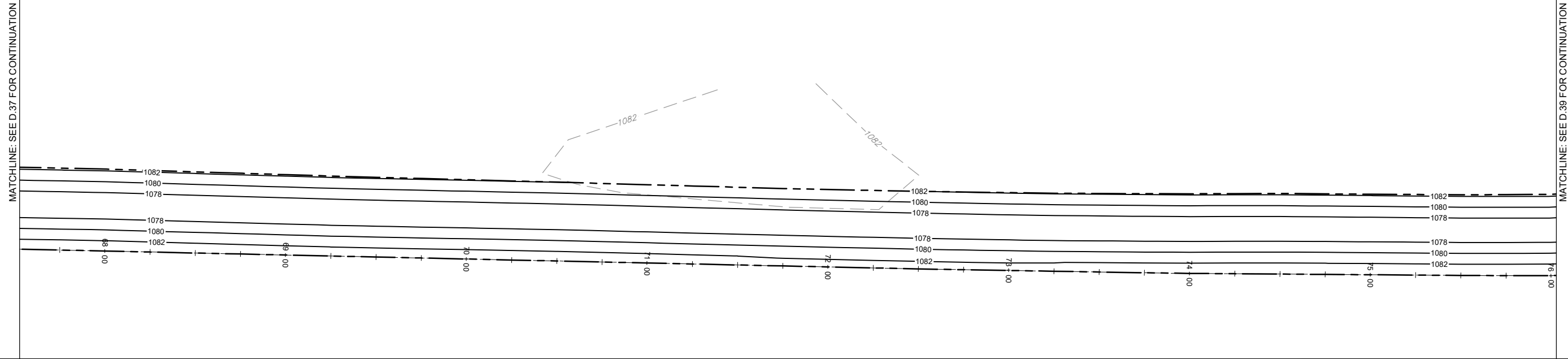
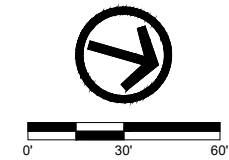
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**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**LATERAL 1 - PLAN & PROFILE**

DWG. NO.	D.37
PROJECT	15126



DATE	REVISIONS	SCALE	AS NOTED
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		CHECKED	PEM
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

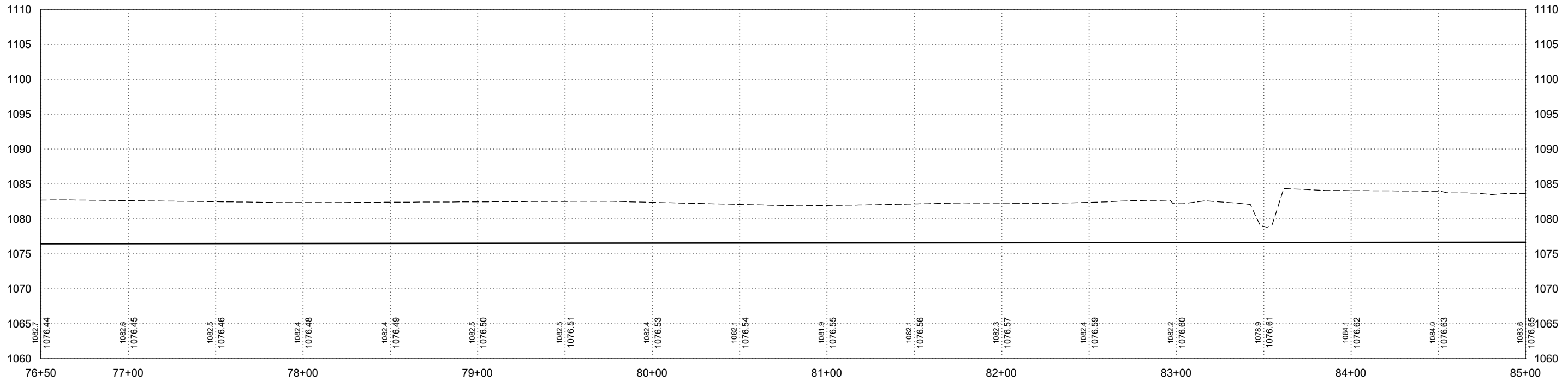
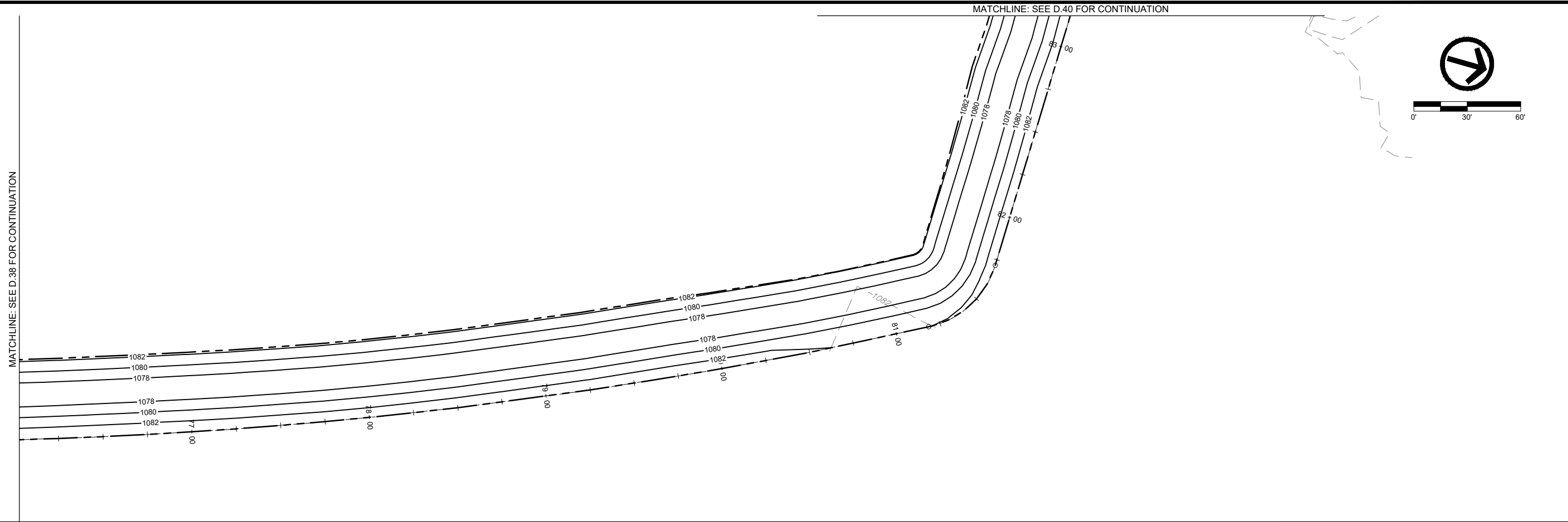
203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.38
PROJECT	15126

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DATE	REVISIONS	SCALE	AS NOTED
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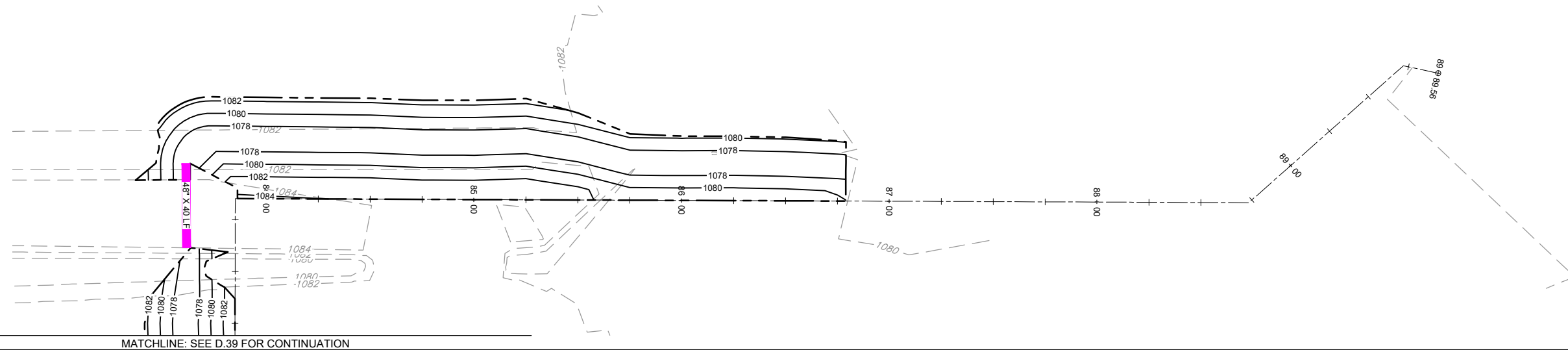
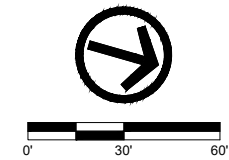


SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

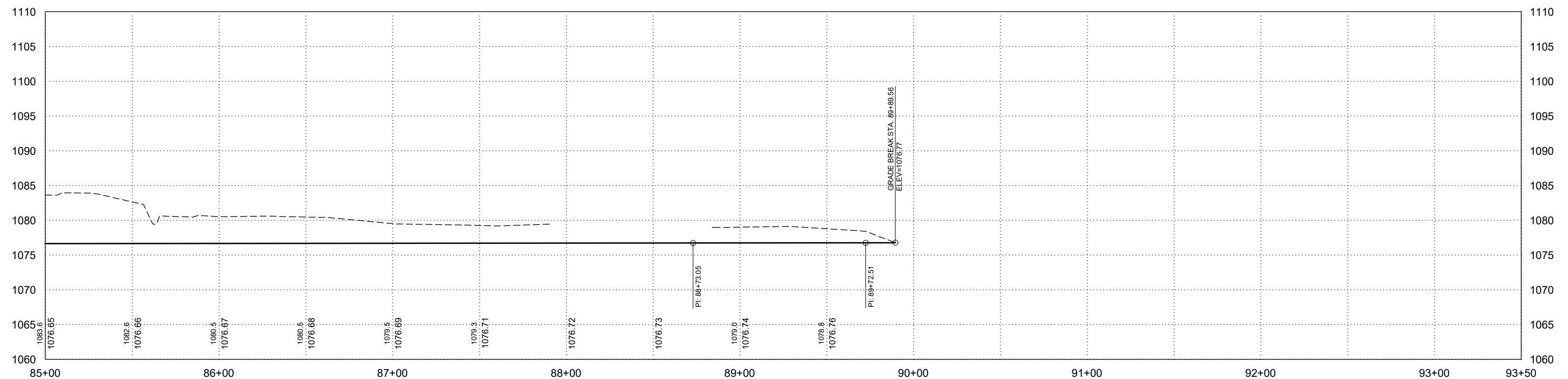
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LATERAL 1 - PLAN & PROFILE

DWG. NO.
D.39
PROJECT 15126



MATCHLINE: SEE D.39 FOR CONTINUATION



DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	JWD
		CHECKED	PEM
		APPROVED	PEM
		DATE	09-12-2023
		ISSUED FOR	REPORT



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

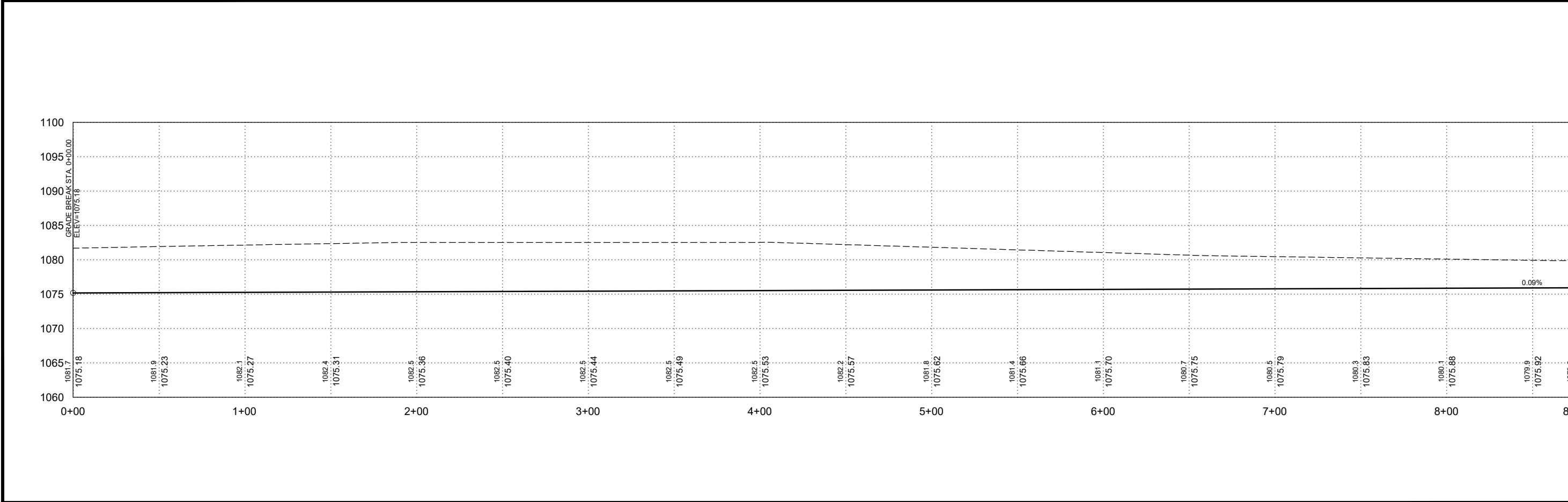
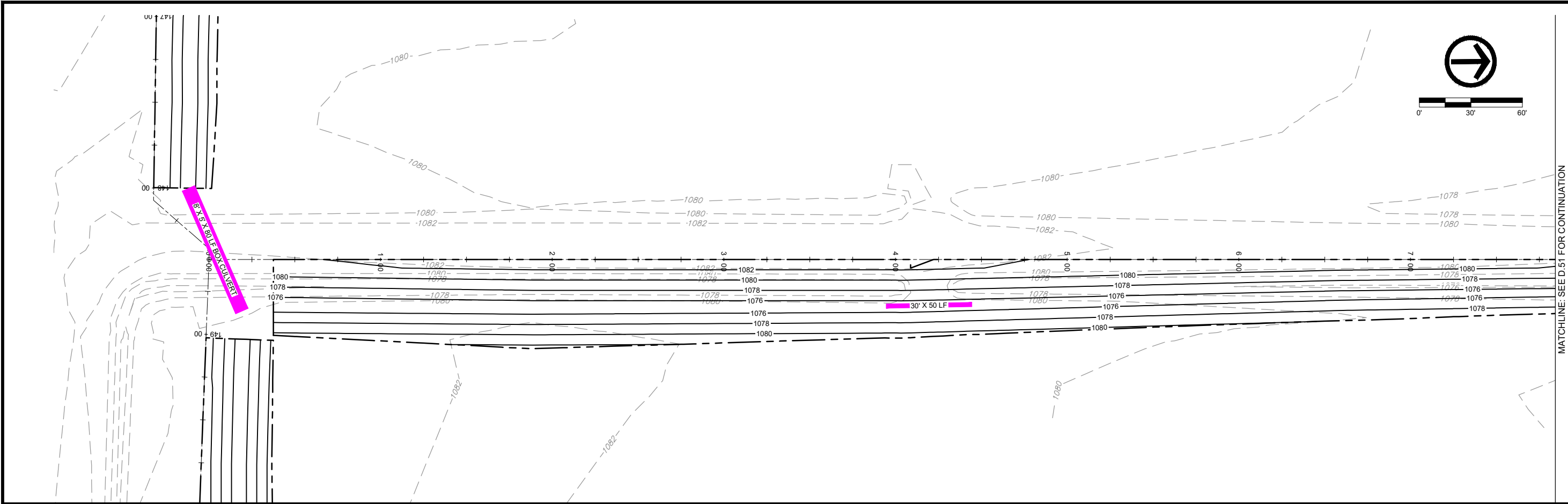
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LATERAL 1 - PLAN & PROFILE

DWG. NO.	D.40
PROJECT	15126

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DATE	REVISIONS

SCALE	AS NOTED
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DATE	09-12-2023
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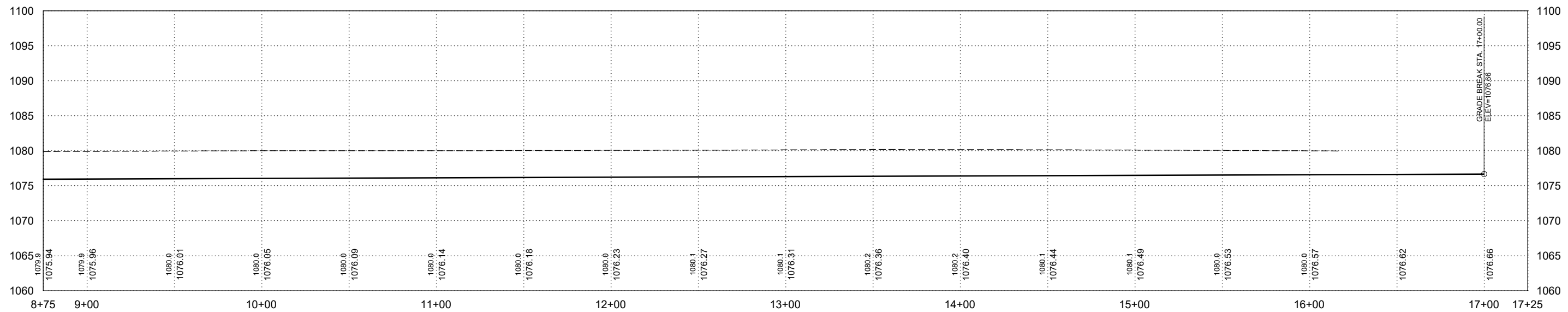
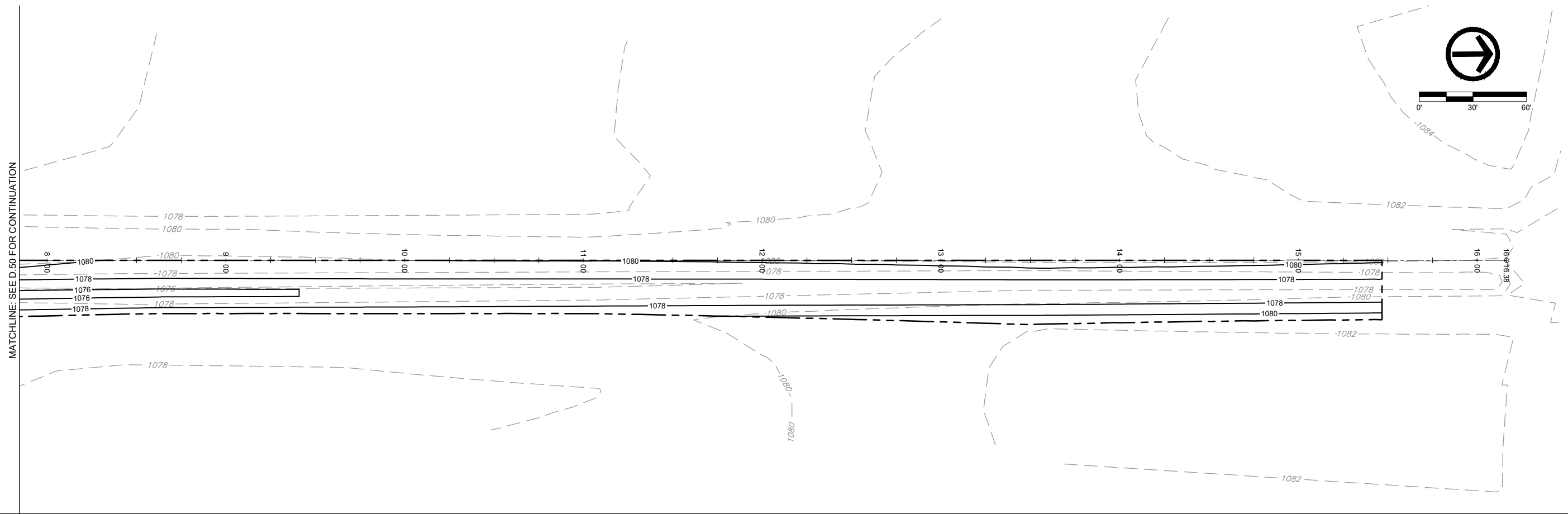
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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LATERAL 2 - PLAN & PROFILE

DWG. NO.
D.50
PROJECT 15126

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DATE	REVISIONS	SCALE	AS NOTED
		DRAWN	JWD
		CHECKED	PEM
		APPROVED	PEM
		DATE	09-12-2023
		ISSUED FOR	REPORT



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

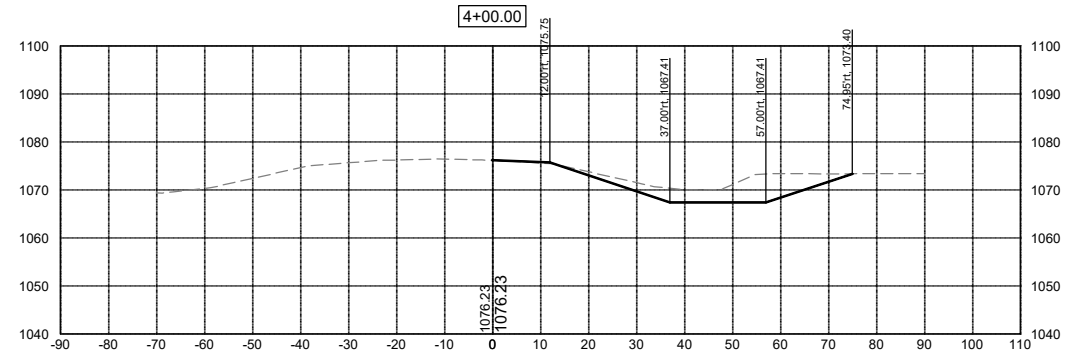
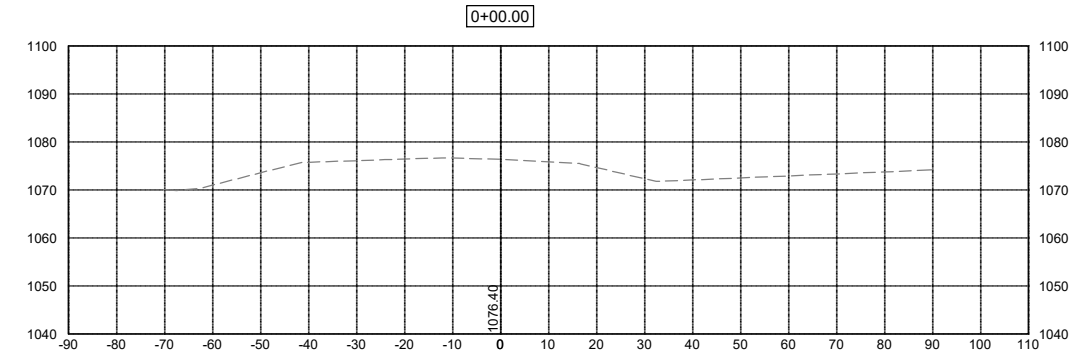
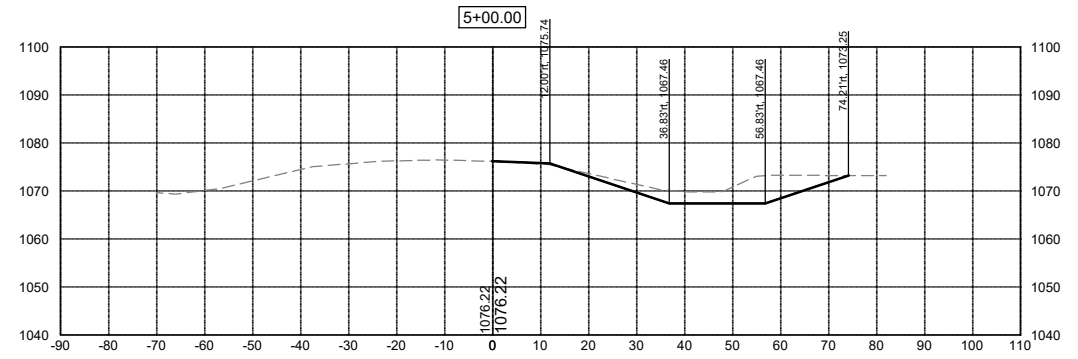
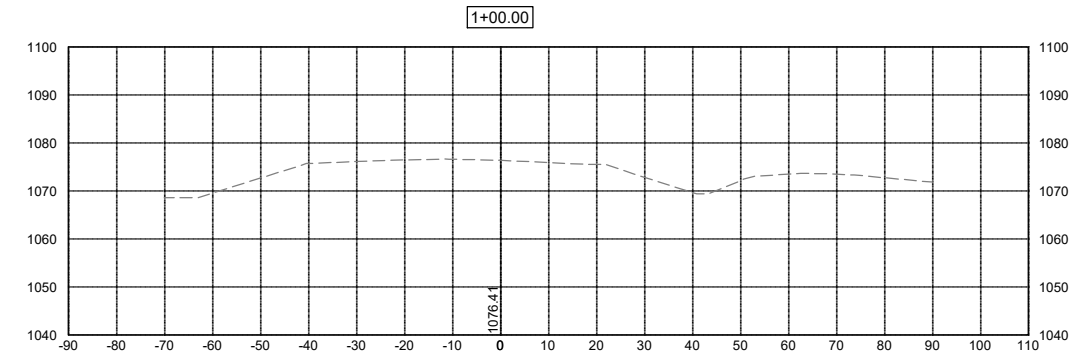
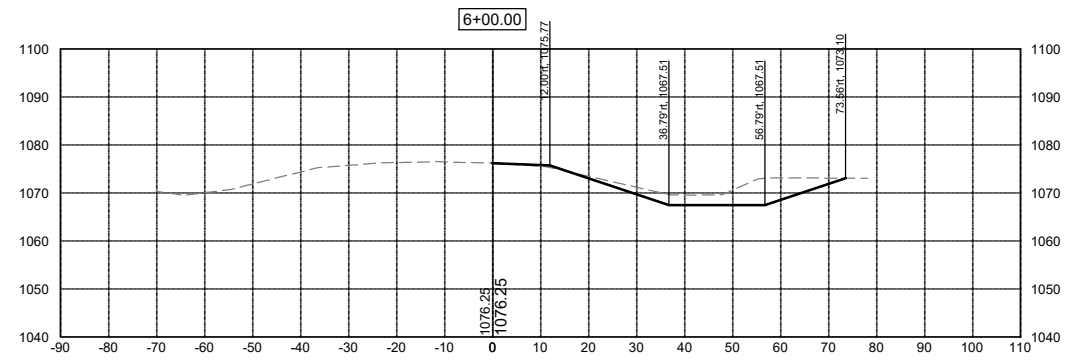
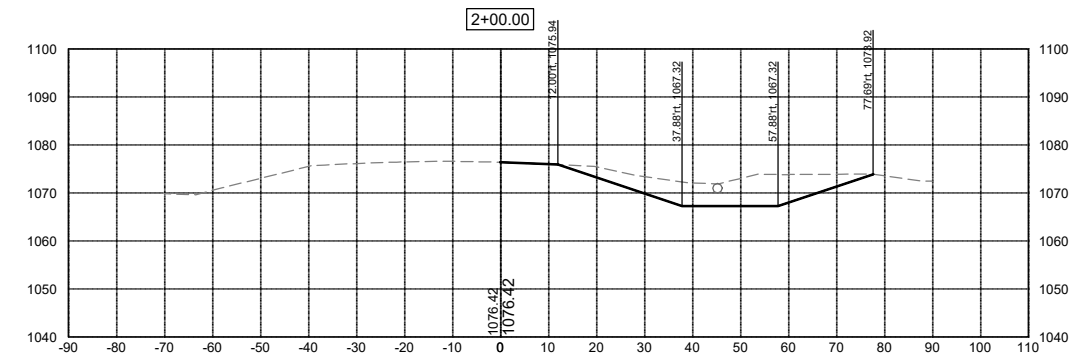
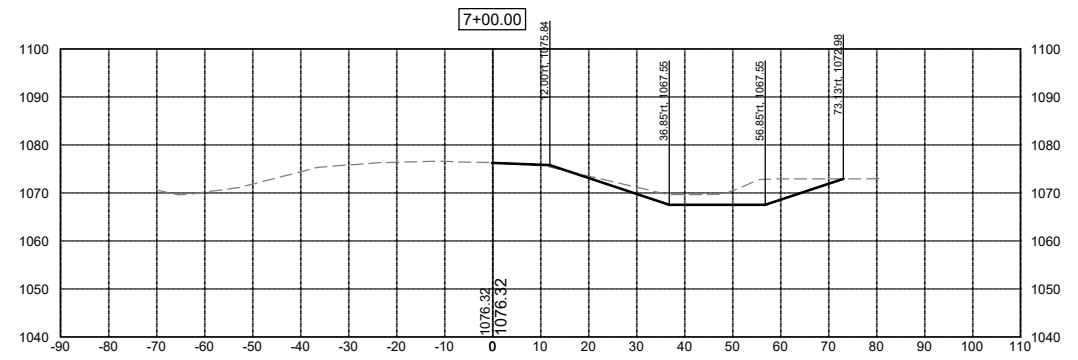
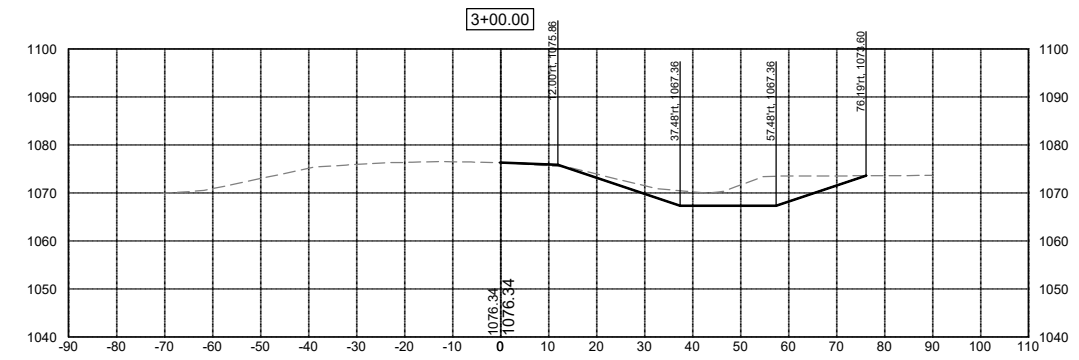
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LATERAL 2 - PLAN & PROFILE

DWG. NO.
D.51
PROJECT 15126

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DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
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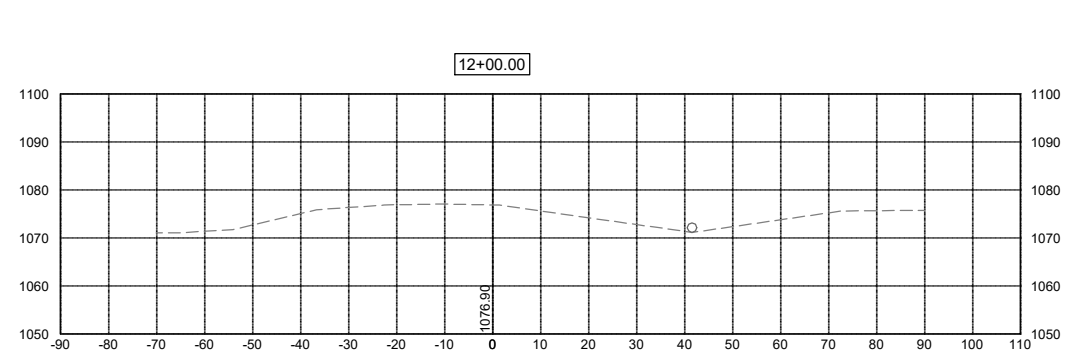
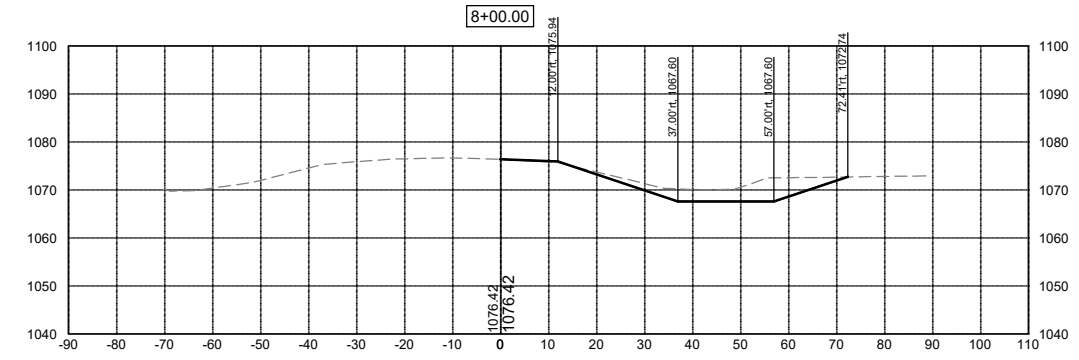
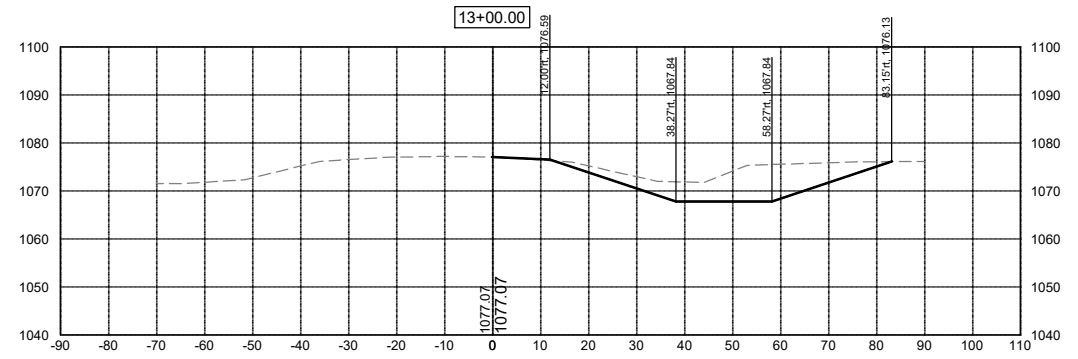
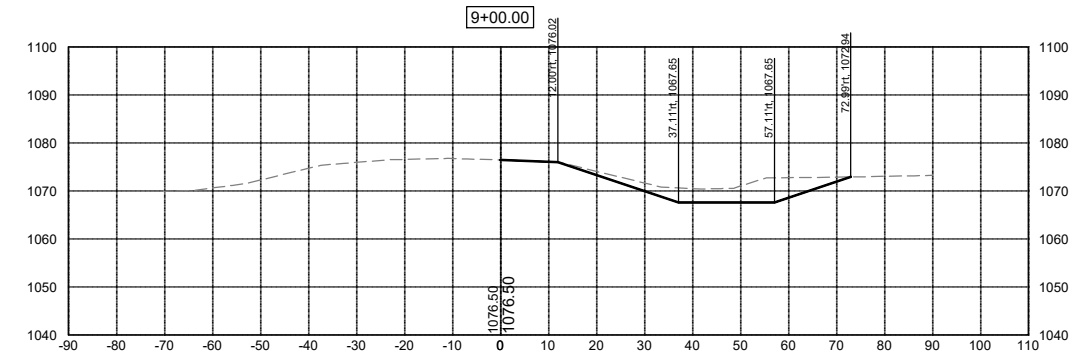
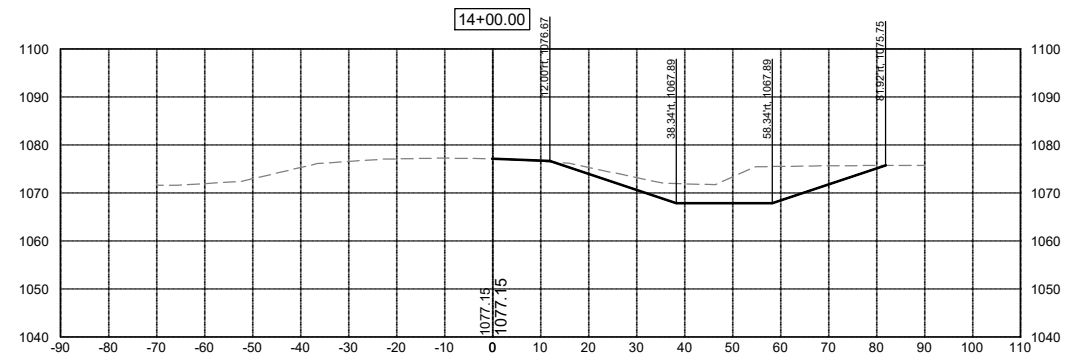
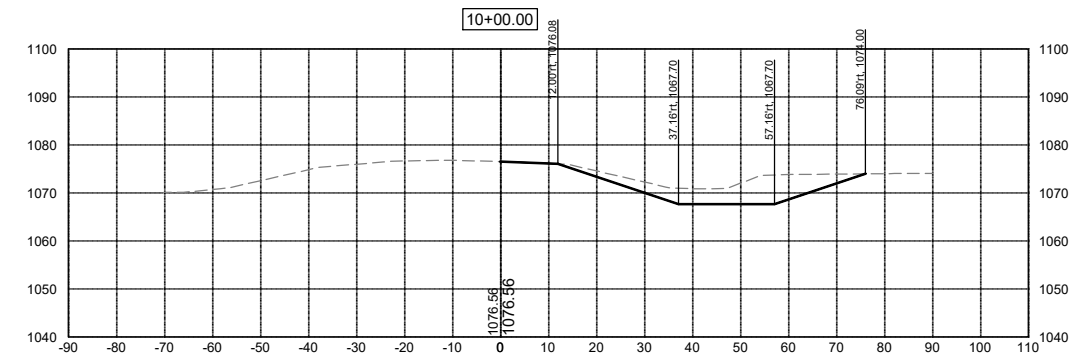
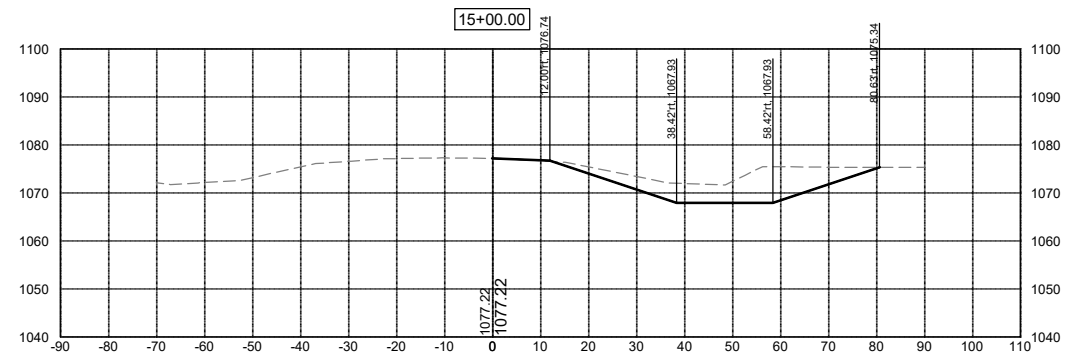
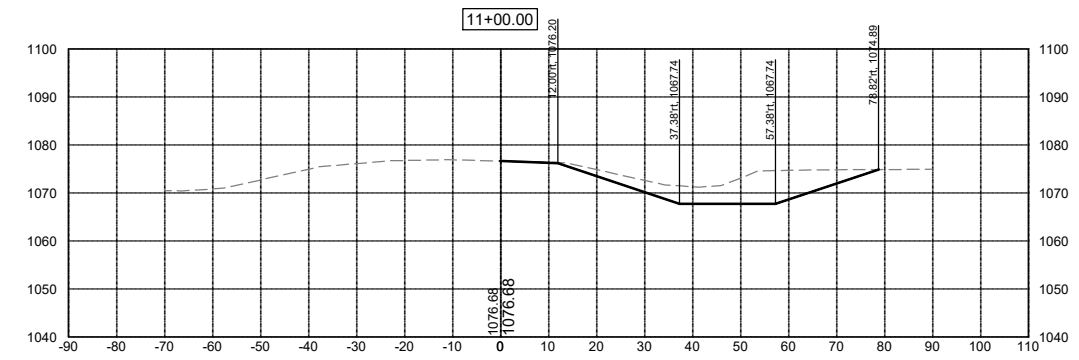
MAIN DITCH CROSS SECTIONS

DWG. NO.
W.01
PROJECT
15126



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DATE	REVISIONS

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DRAWN	JWD
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APPROVED	PEM
DATE	09-12-2023
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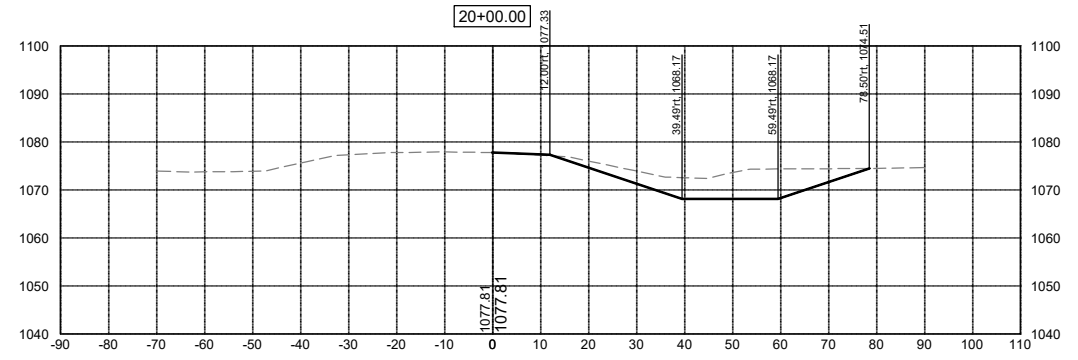
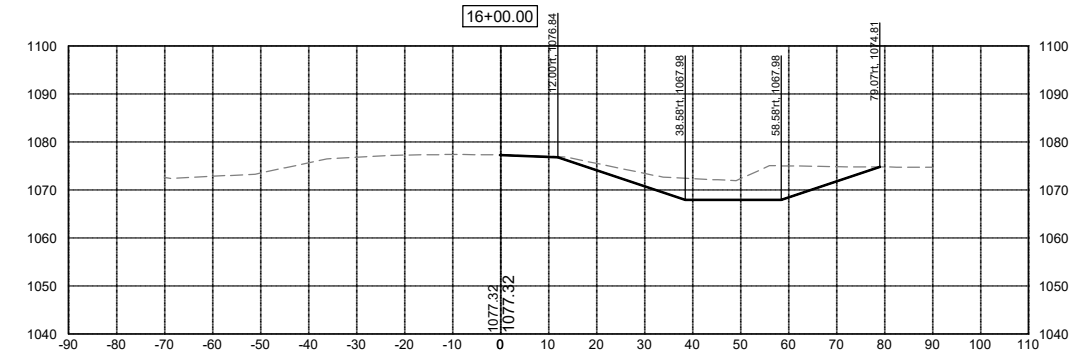
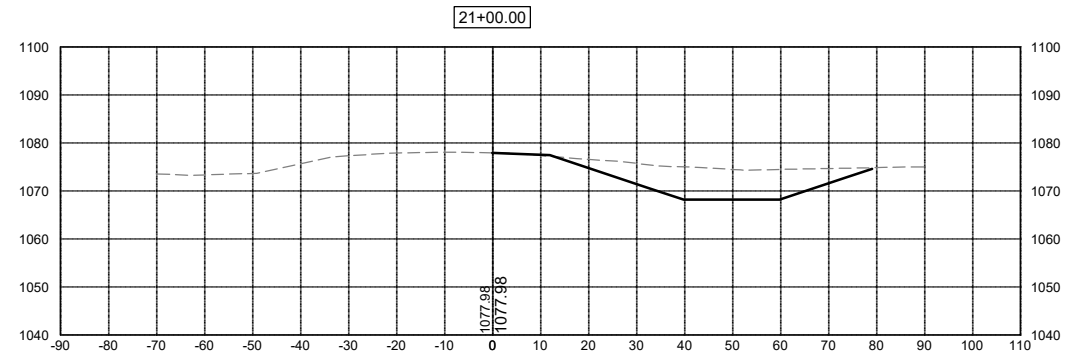
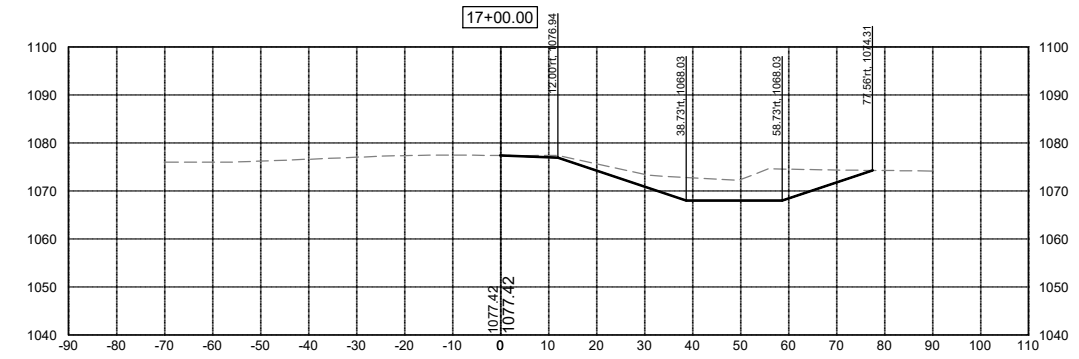
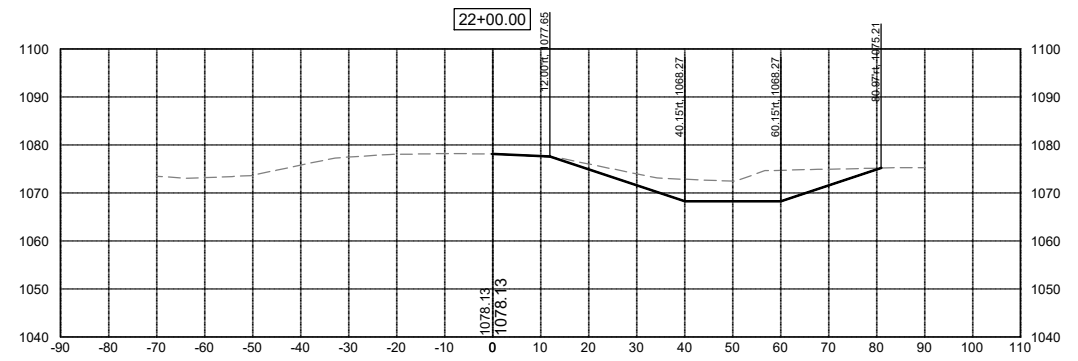
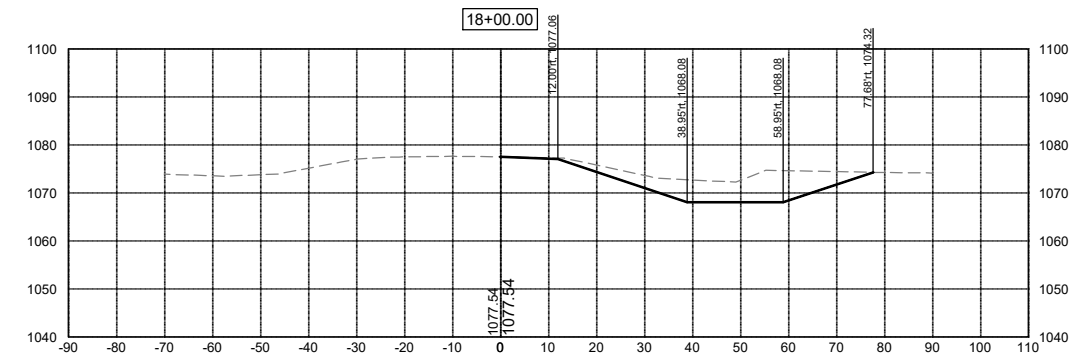
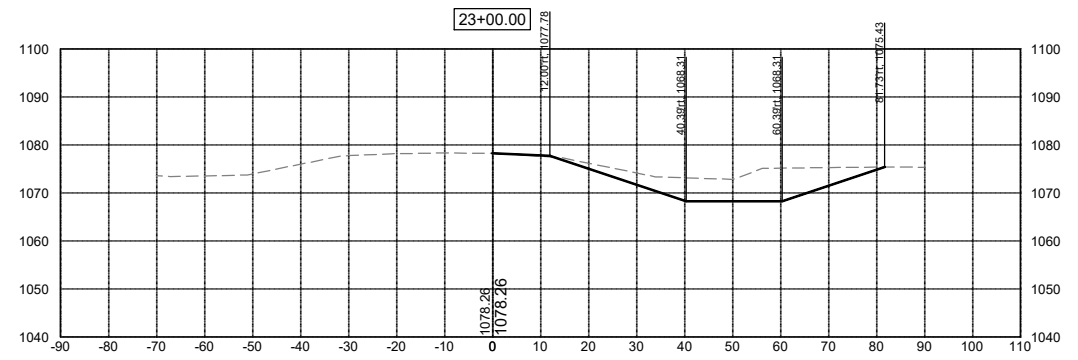
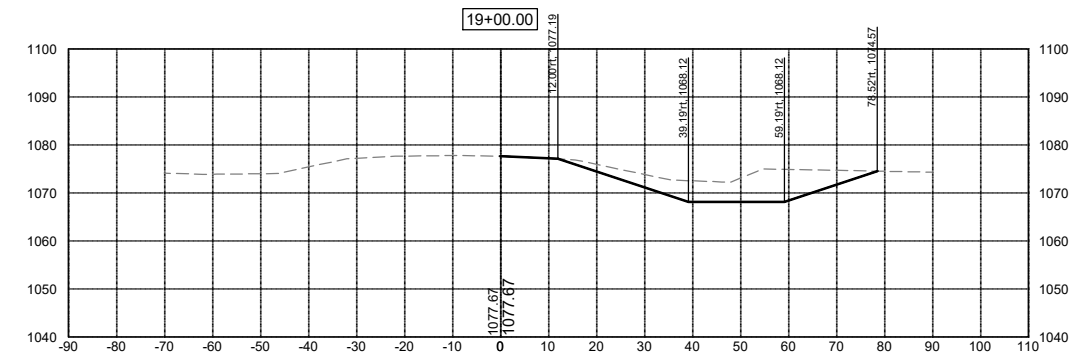


SALIX DRAINAGE DISTRICT  
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MAIN DITCH CROSS SECTIONS

DWG. NO.	W.02
PROJECT	15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT

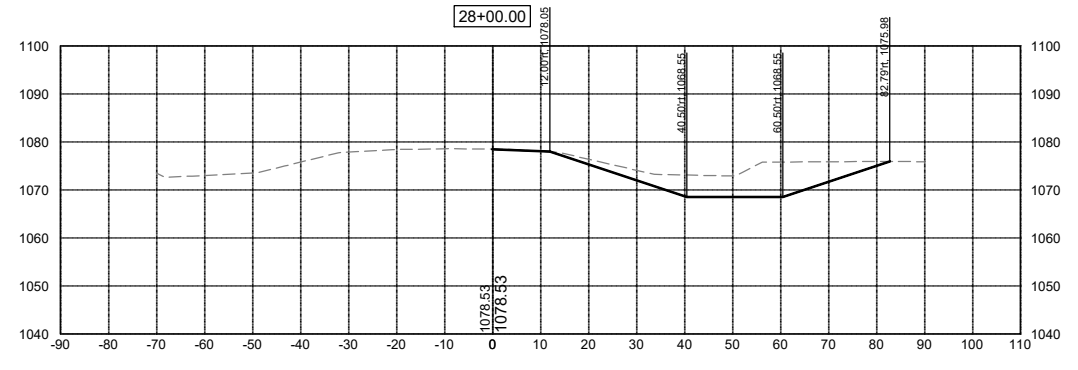
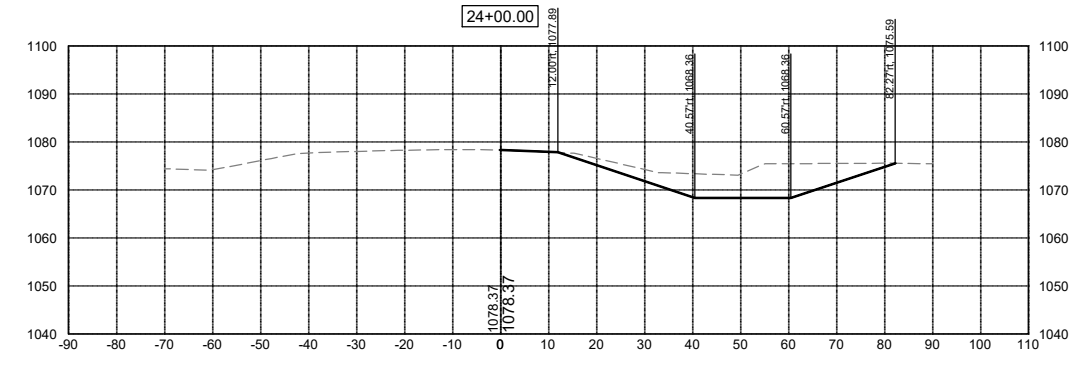
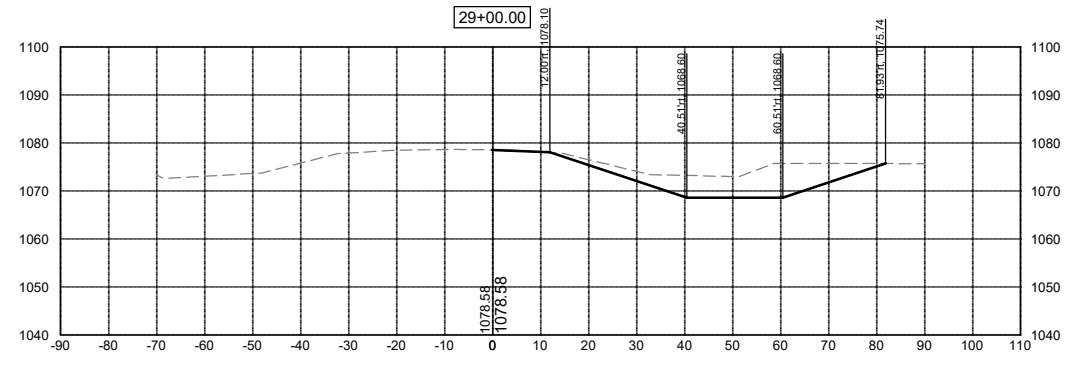
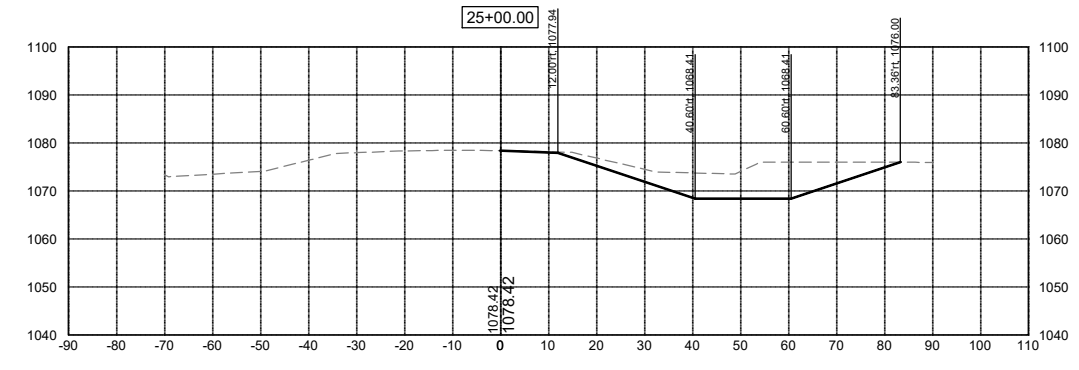
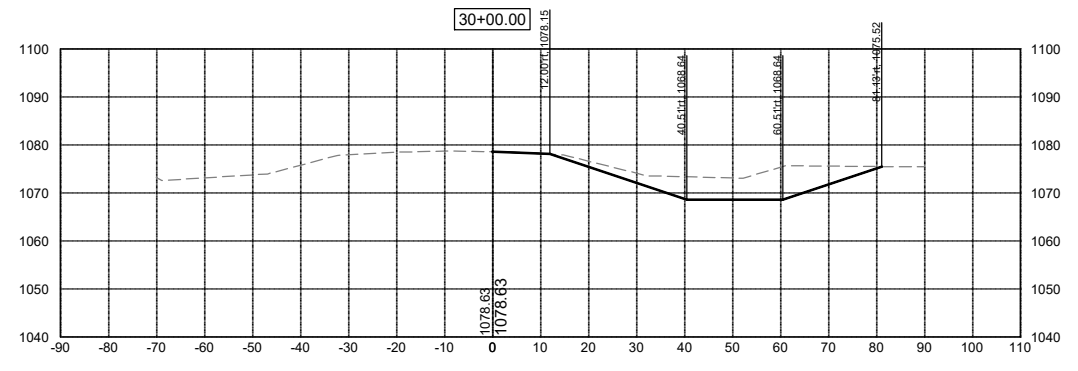
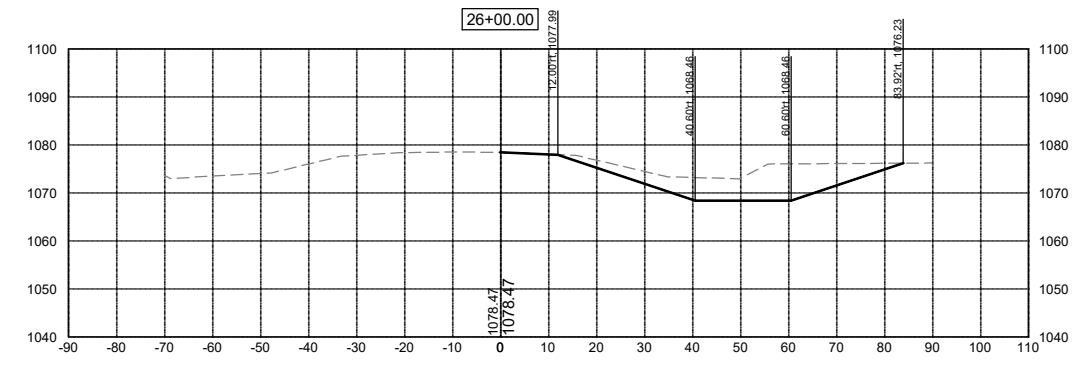
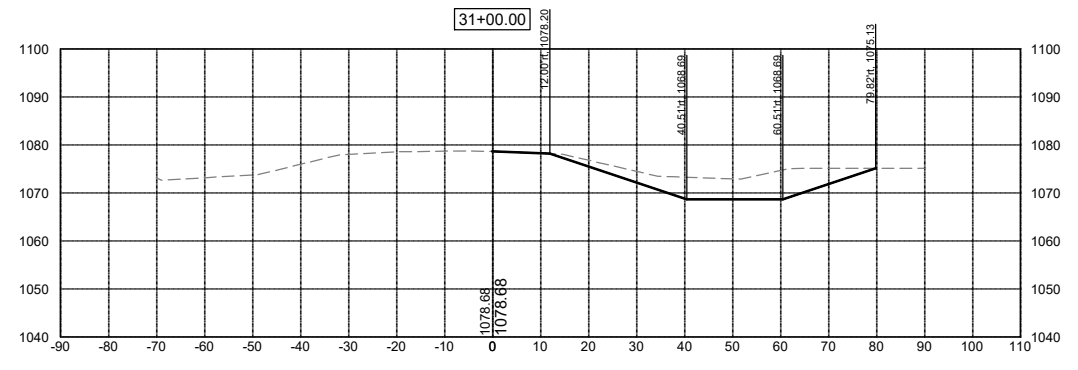
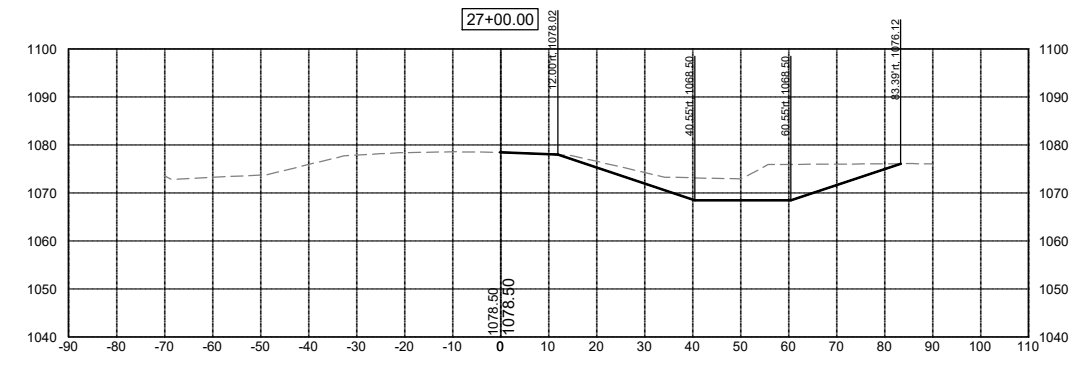


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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.03
PROJECT 15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT

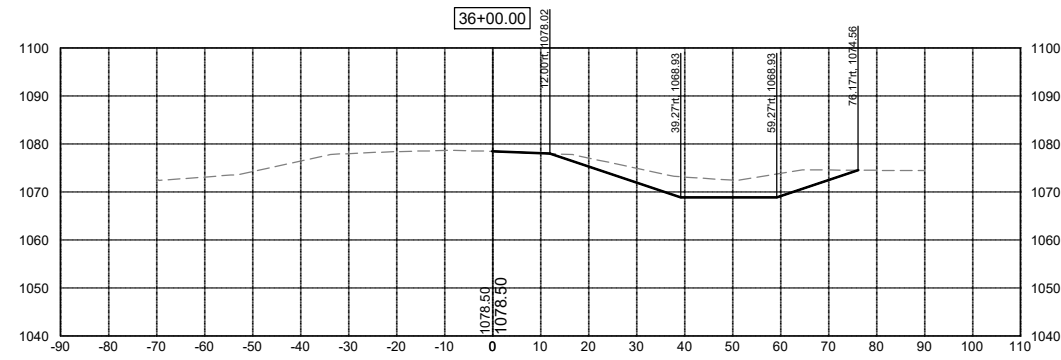
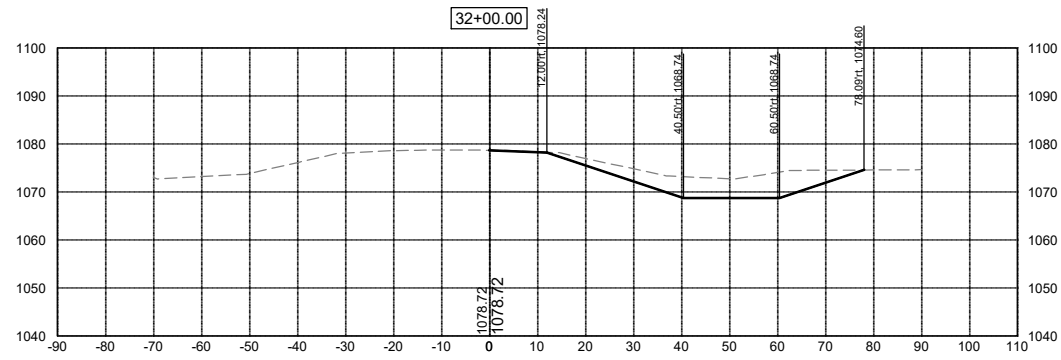
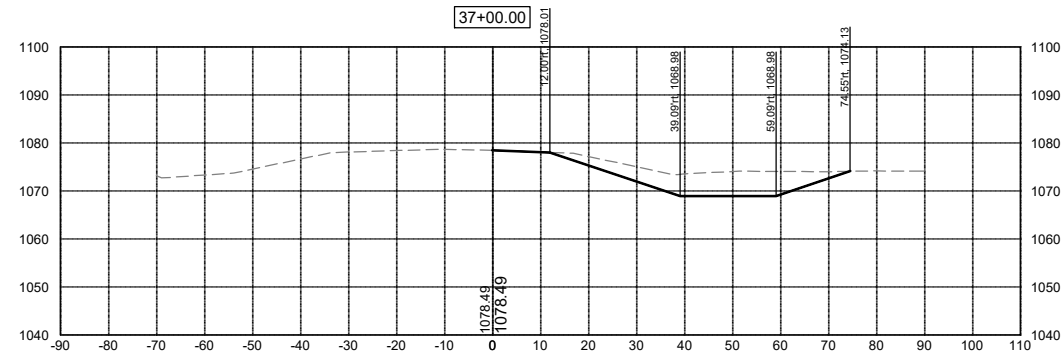
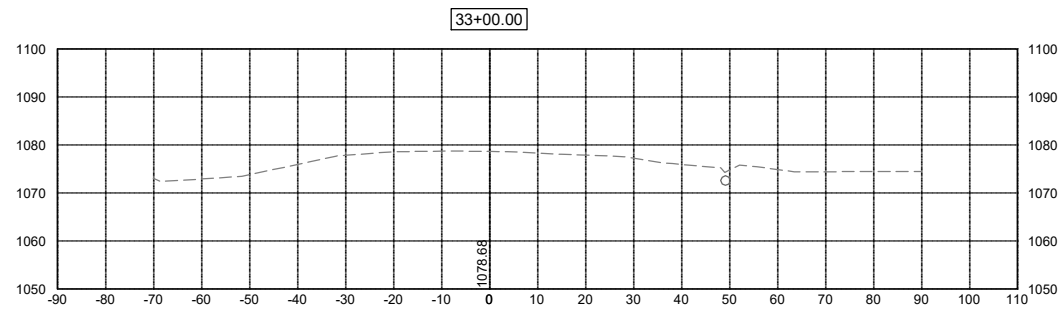
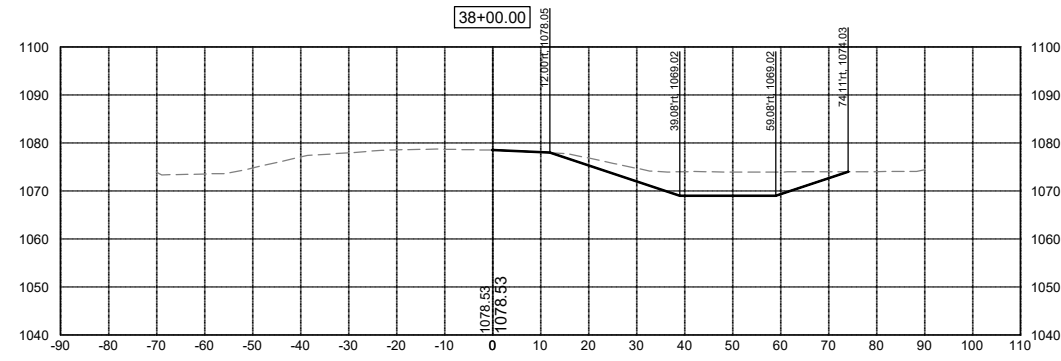
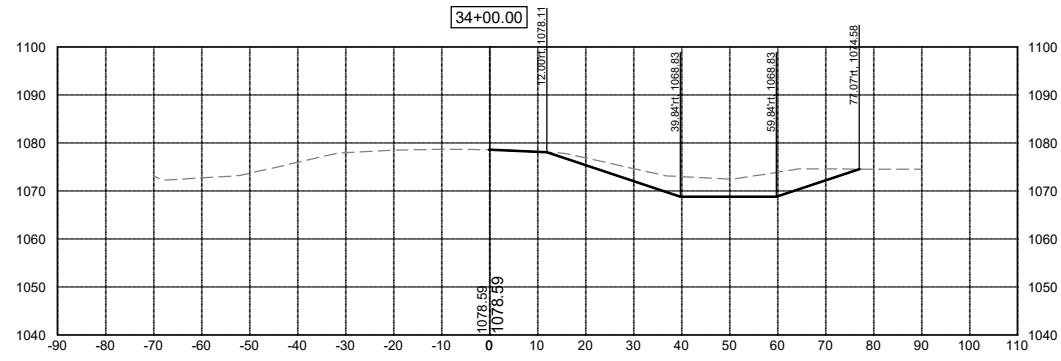
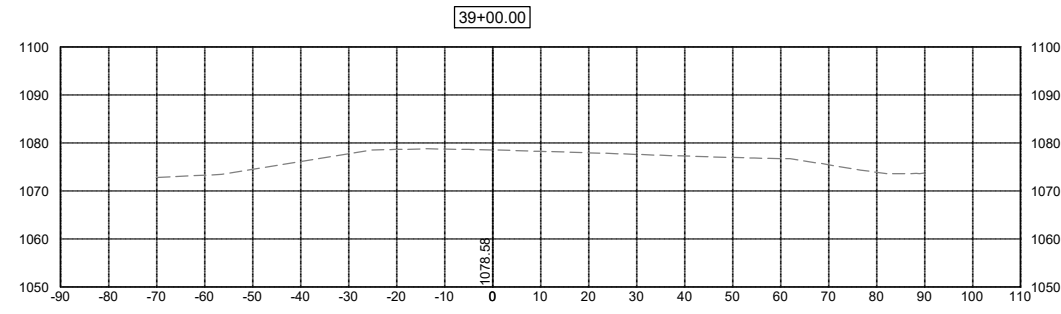
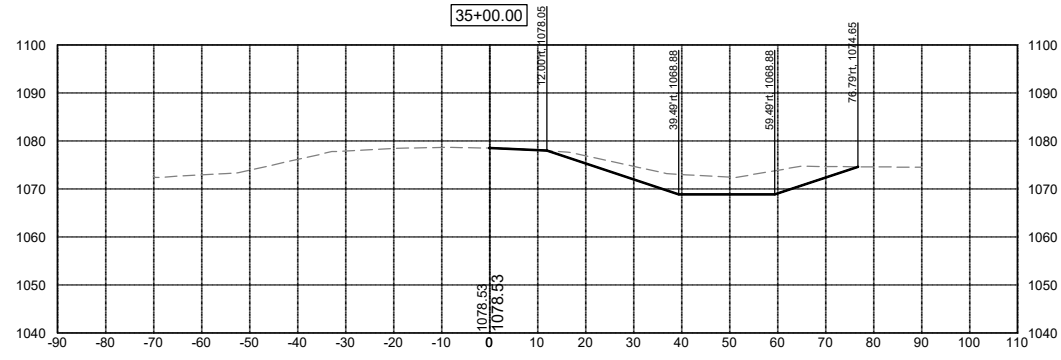


SALIX DRAINAGE DISTRICT  
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.04
PROJECT 15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

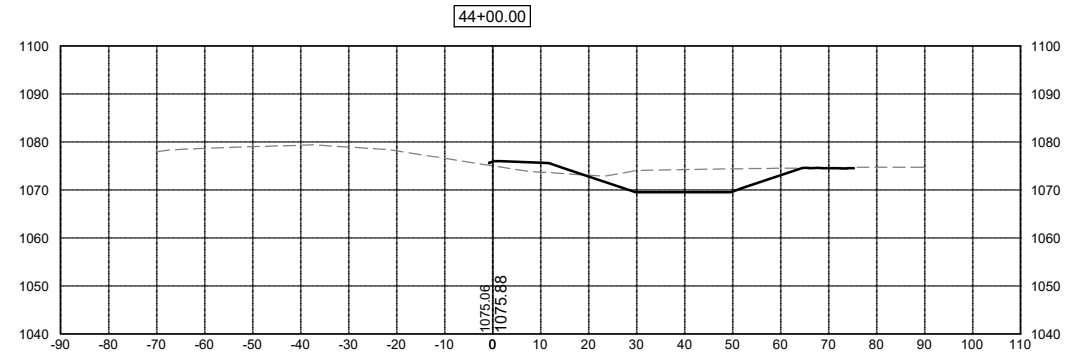
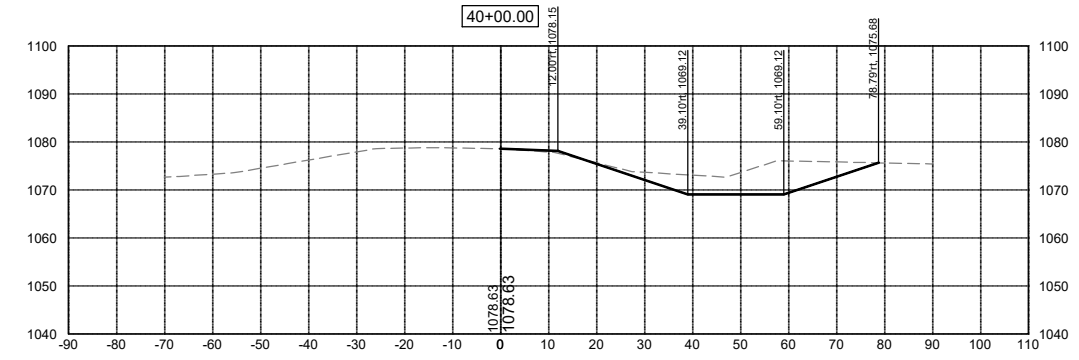
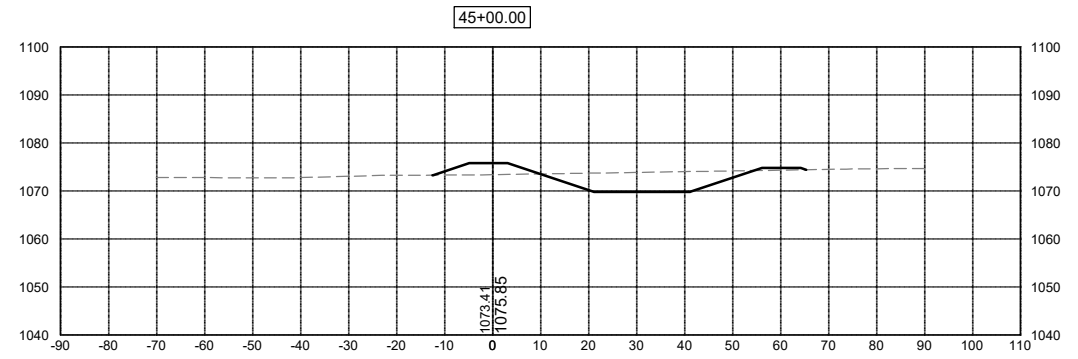
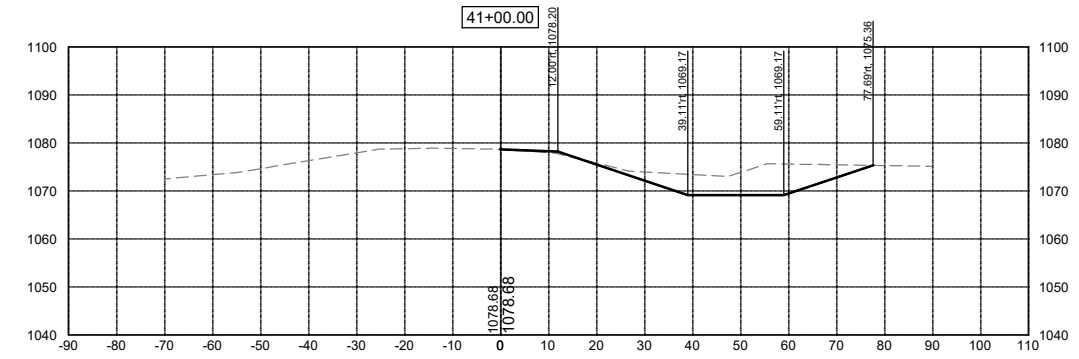
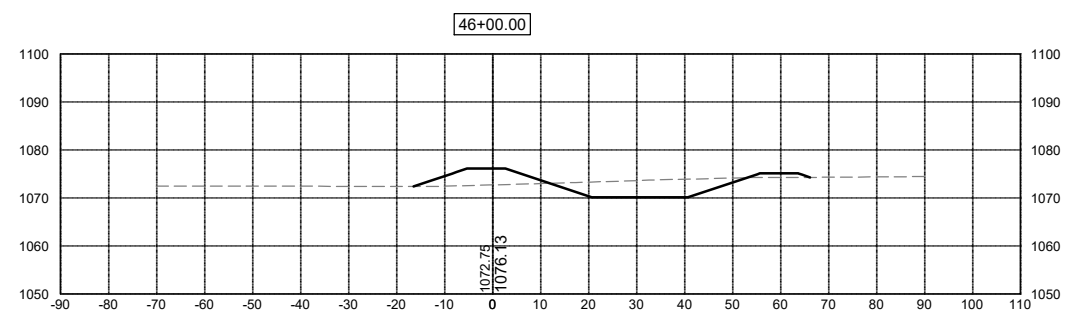
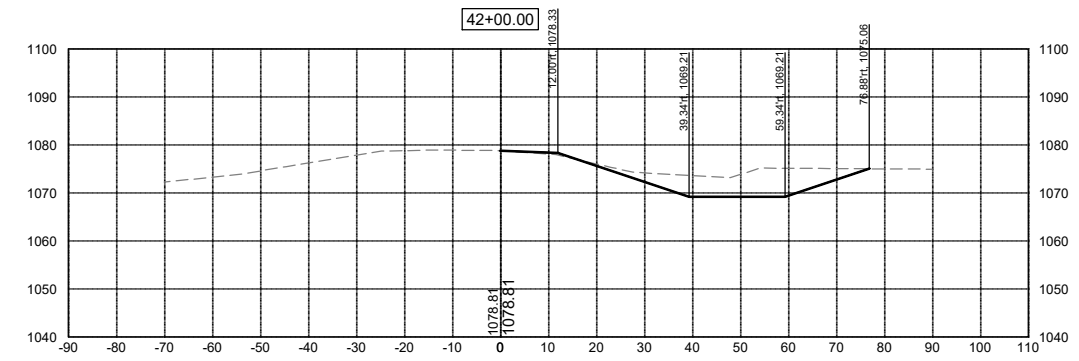
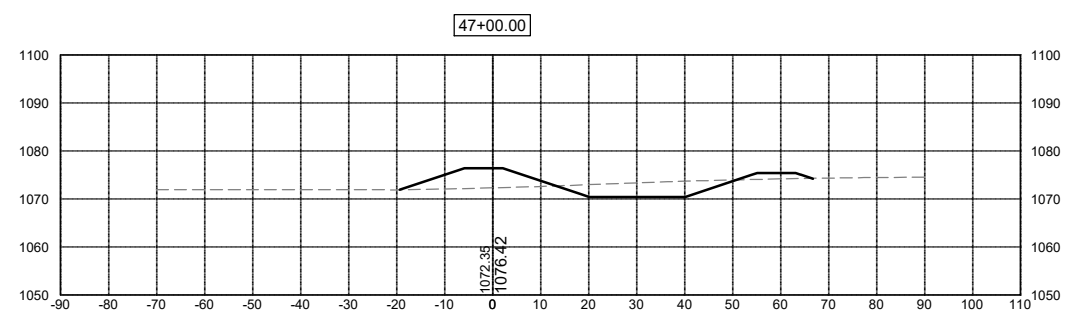
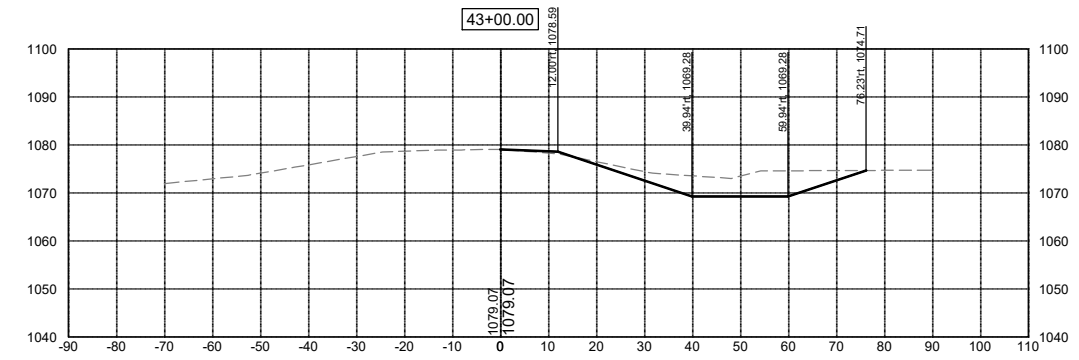
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.05
PROJECT 15126

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DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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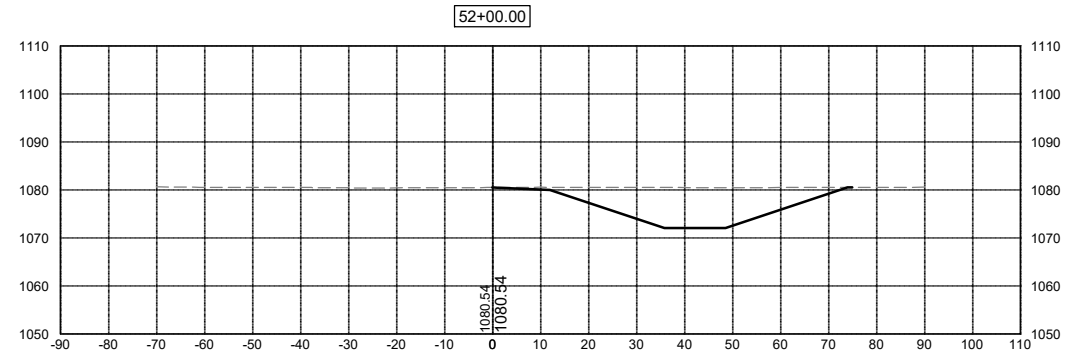
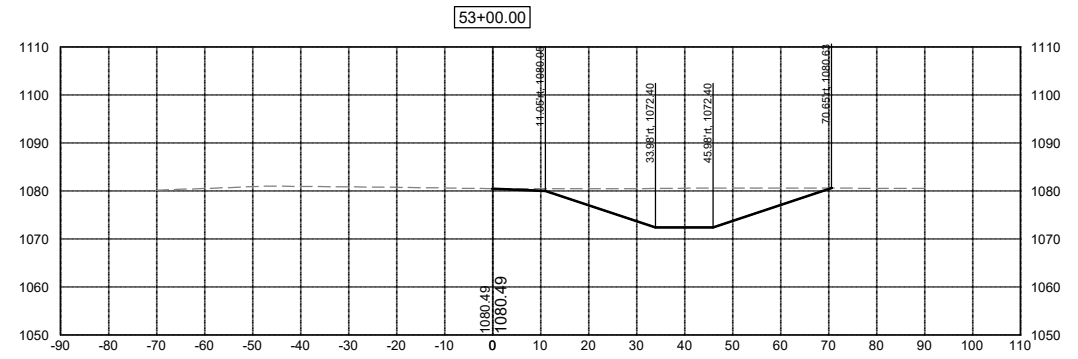
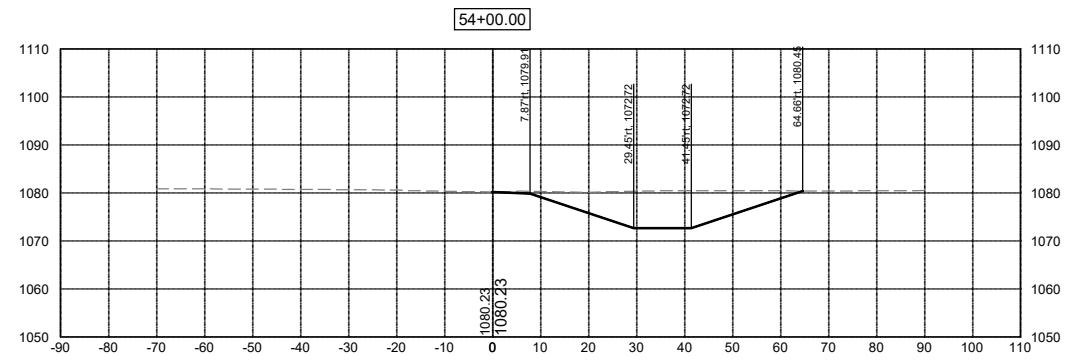
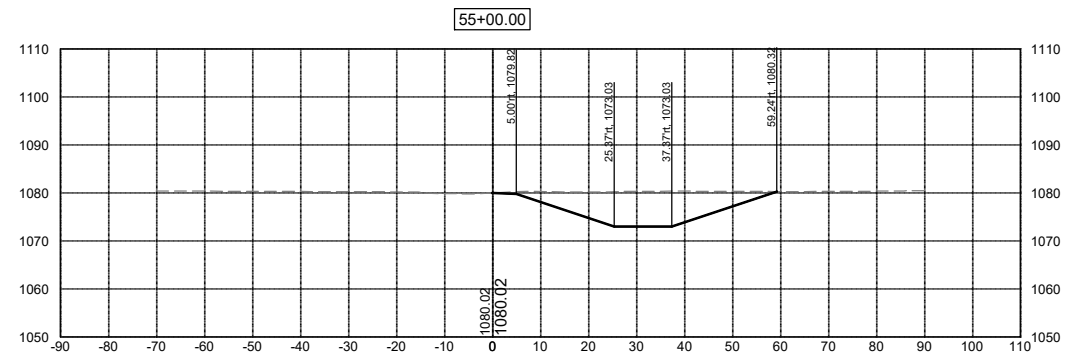
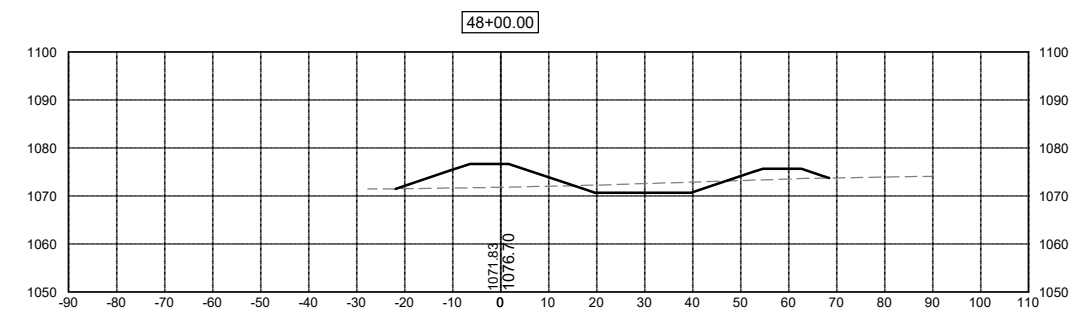
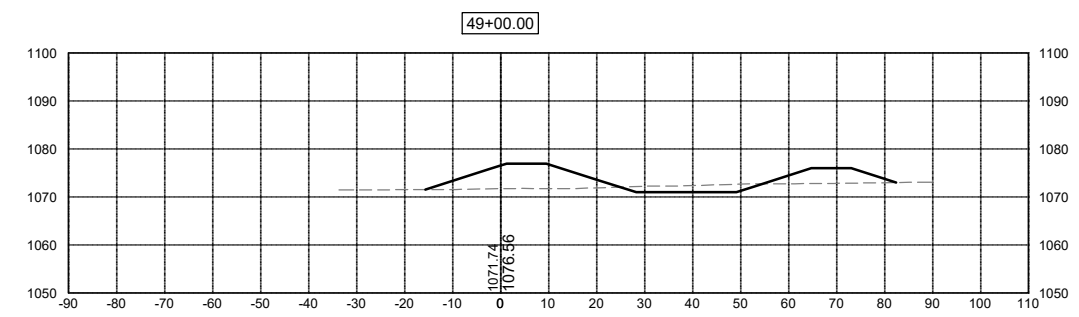
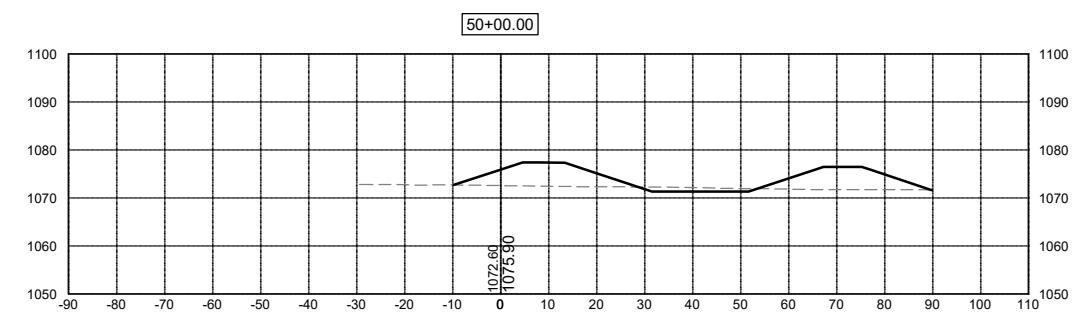
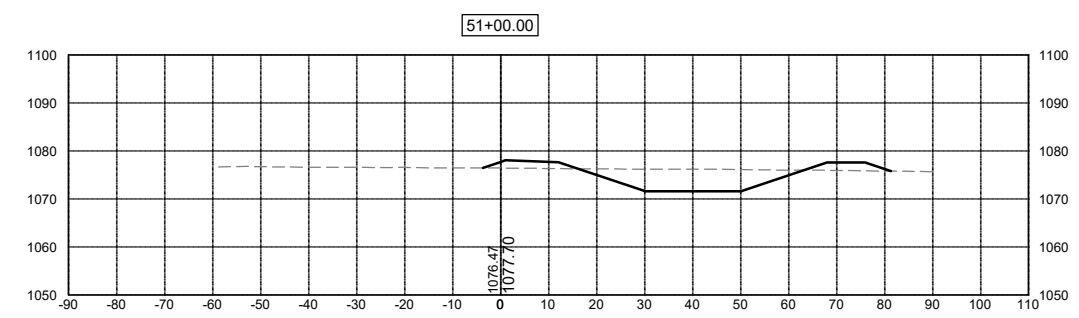
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH CROSS SECTIONS**

DWG. NO.
W.06
PROJECT 15126

PLOTTED: Monday, November 20, 2023 2:37:52 PM

X-REFS: 15126 VARIED GRADE PROFILE  
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DATE	REVISIONS

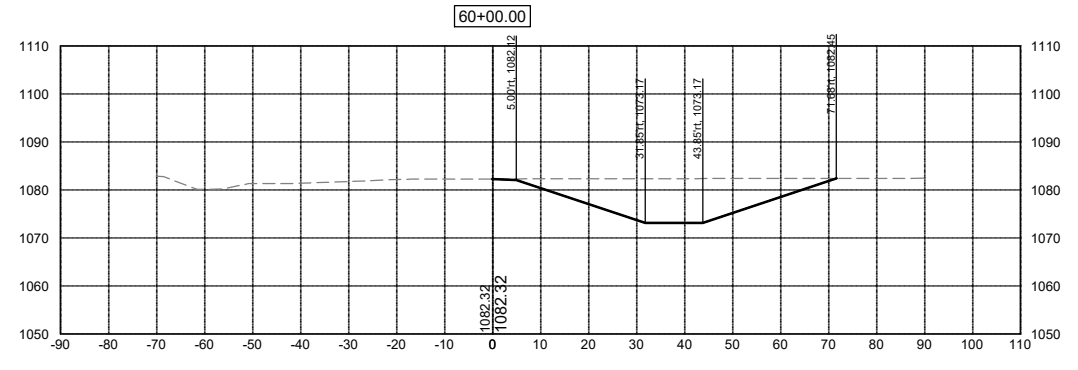
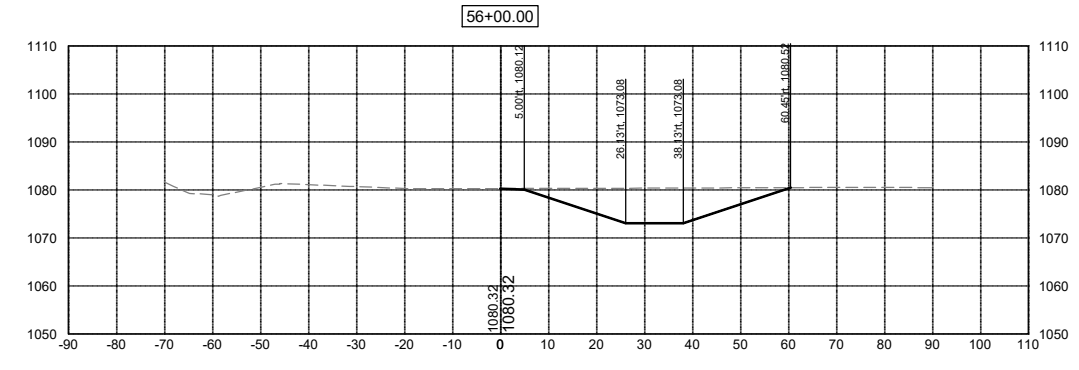
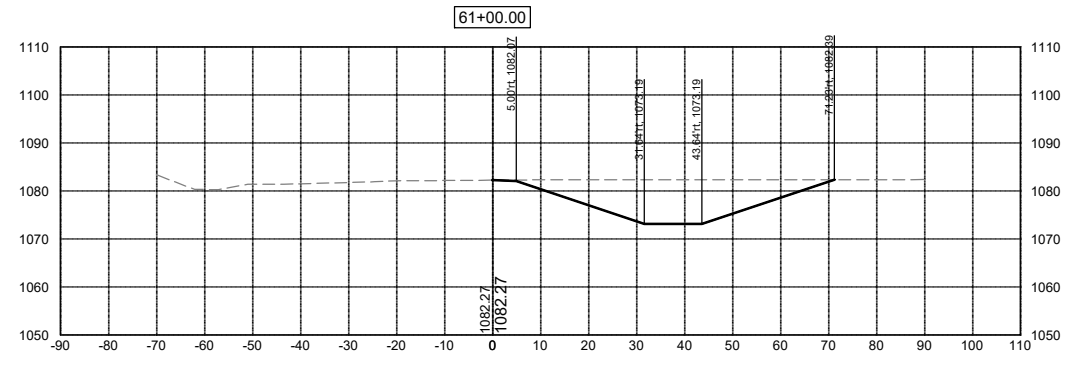
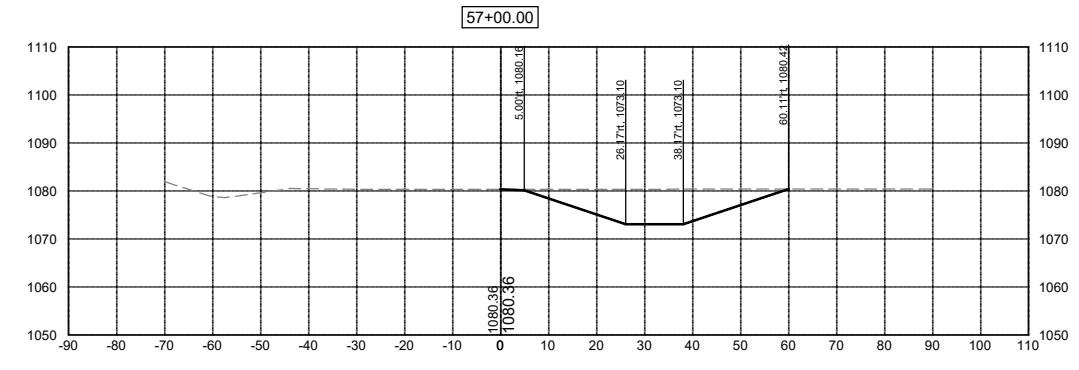
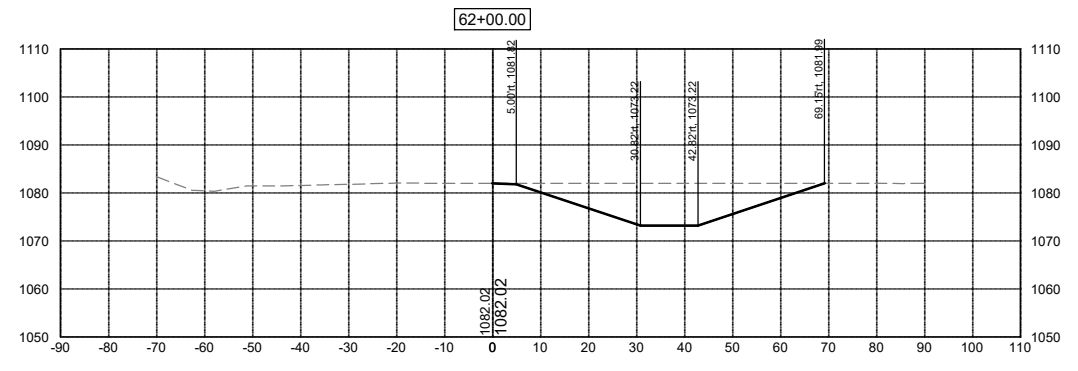
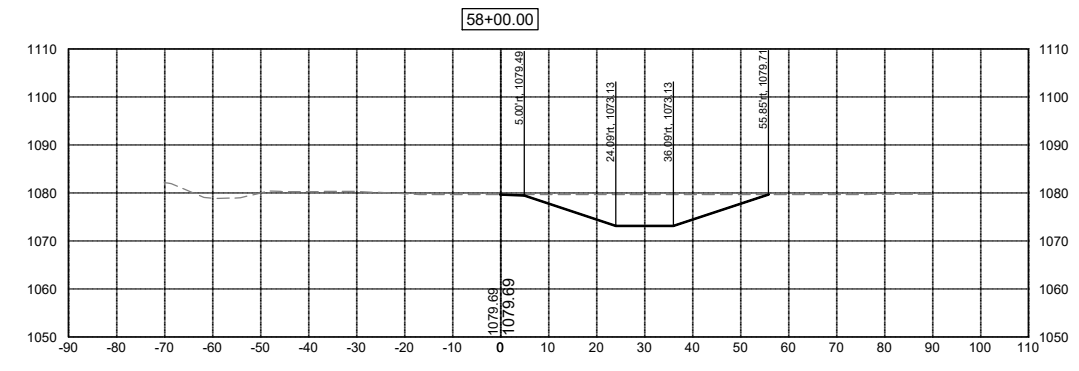
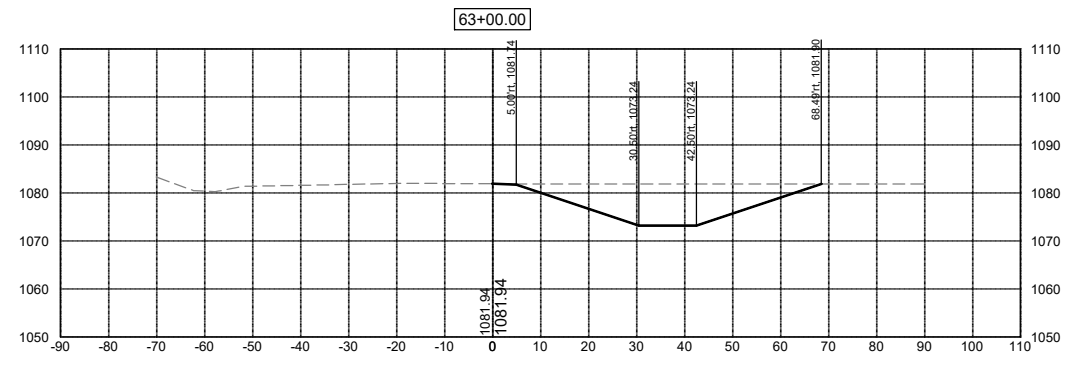
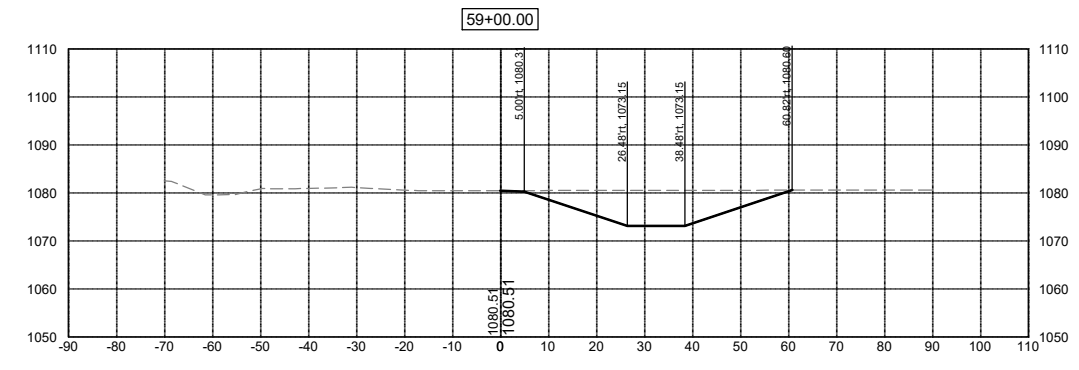
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DRAWN	JWD
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APPROVED	PEM
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**SALIX DRAINAGE DISTRICT**  
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.07
PROJECT 15126



DATE	REVISIONS

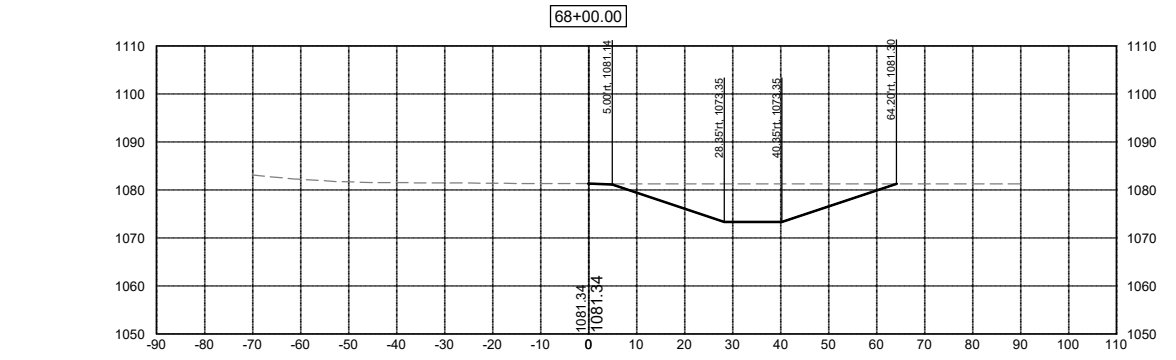
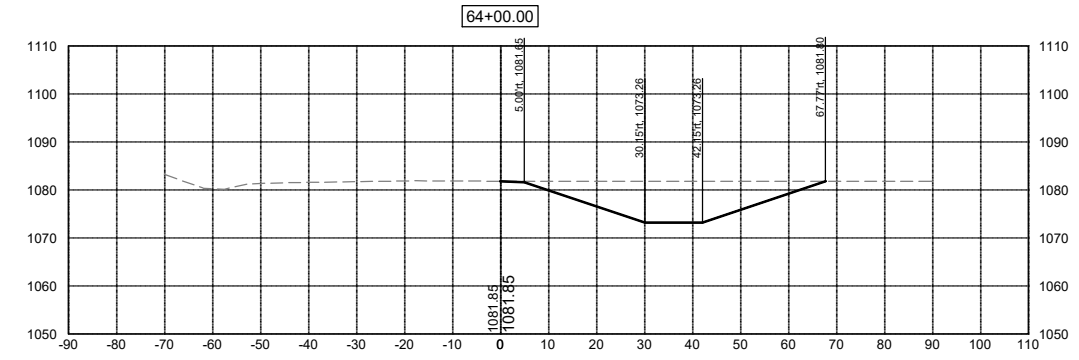
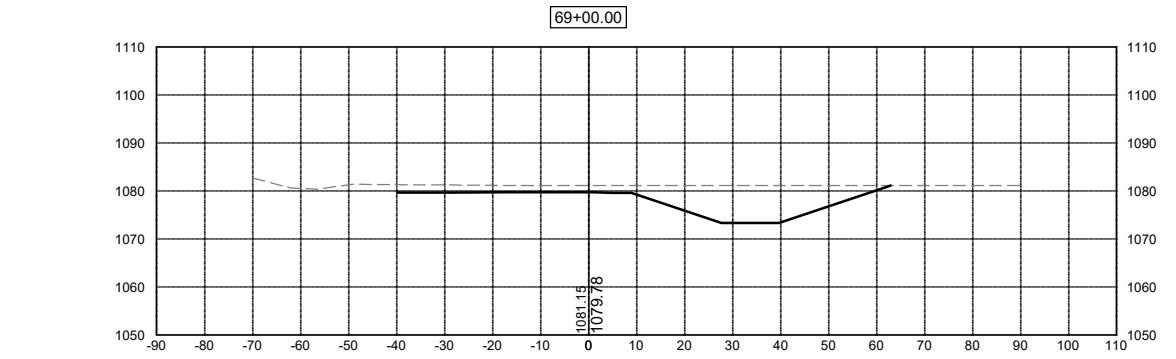
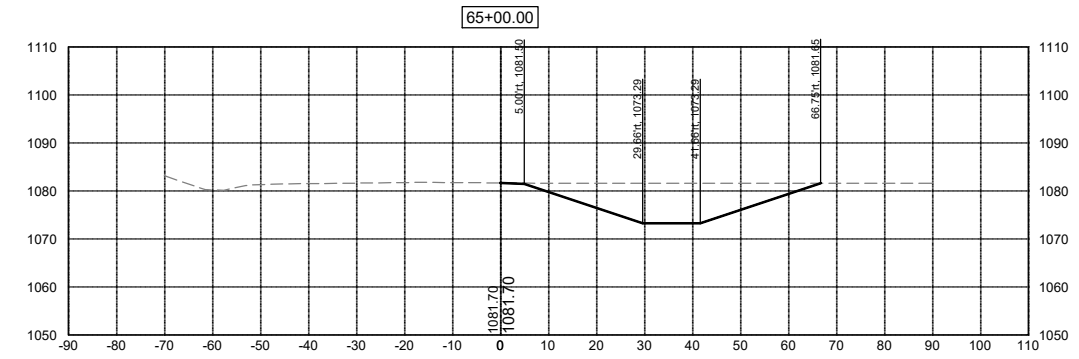
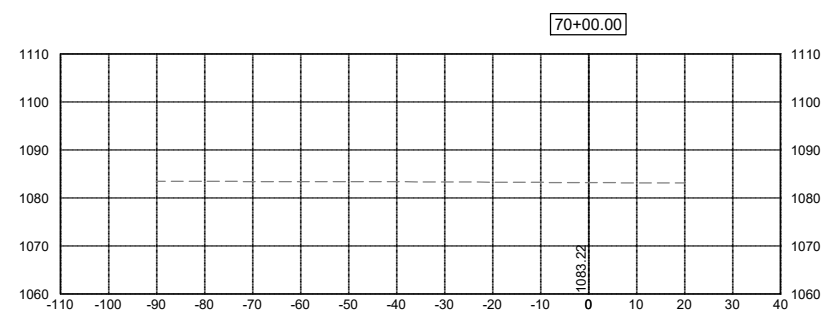
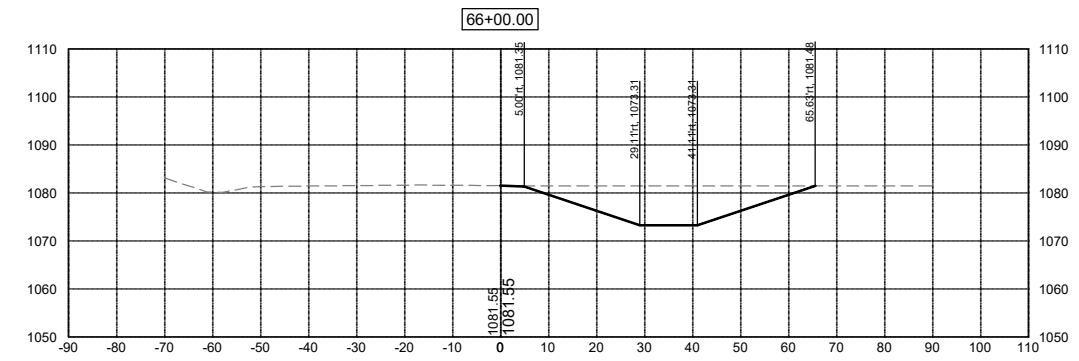
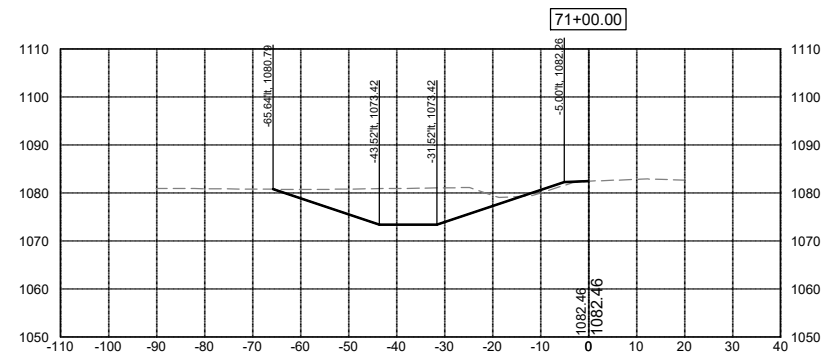
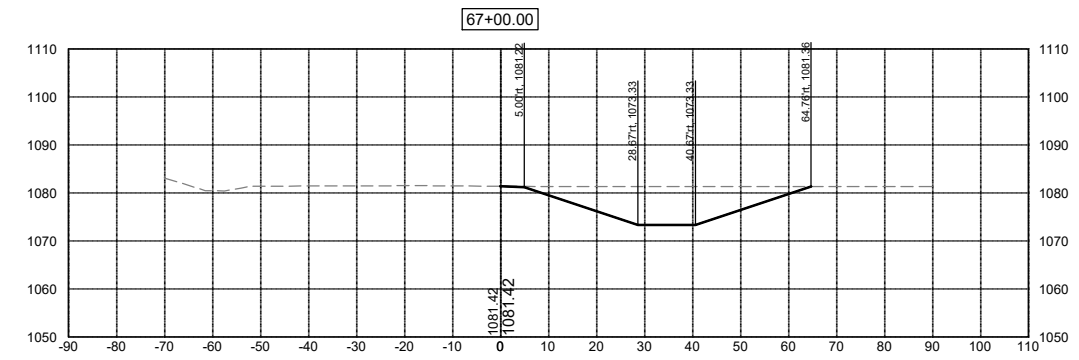
SCALE	AS NOTED
DRAWN	JWD
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APPROVED	PEM
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MAIN DITCH CROSS SECTIONS

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15126



DATE	REVISIONS

SCALE	AS NOTED
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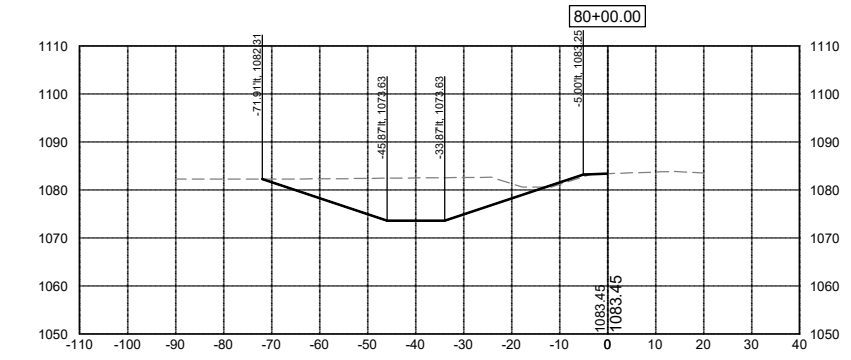
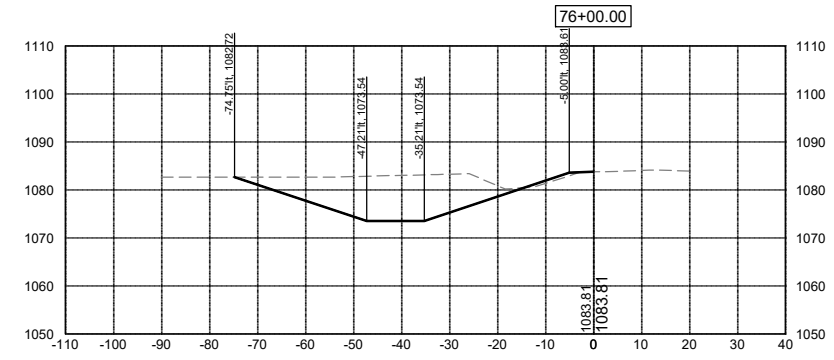
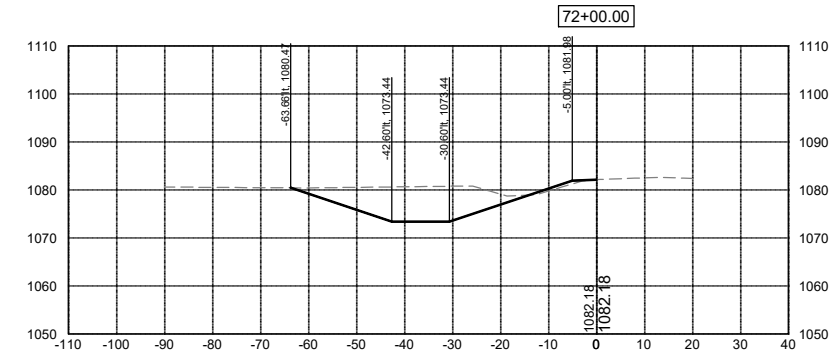
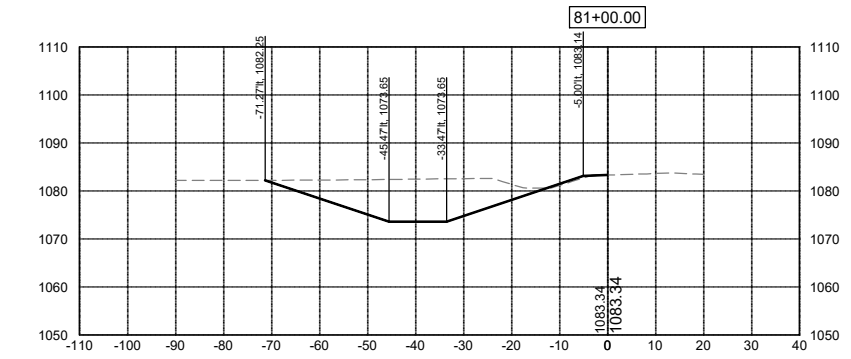
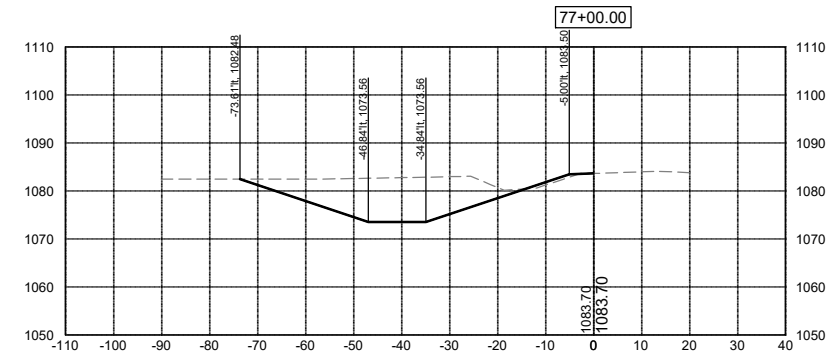
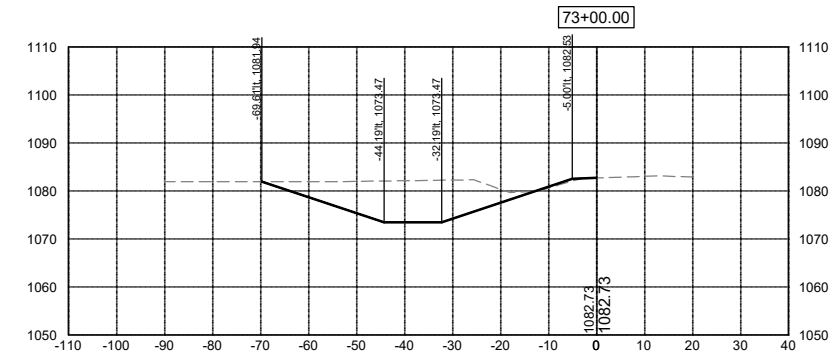
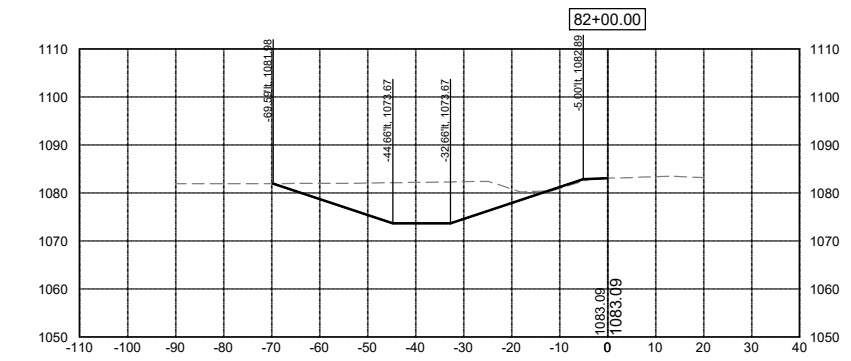
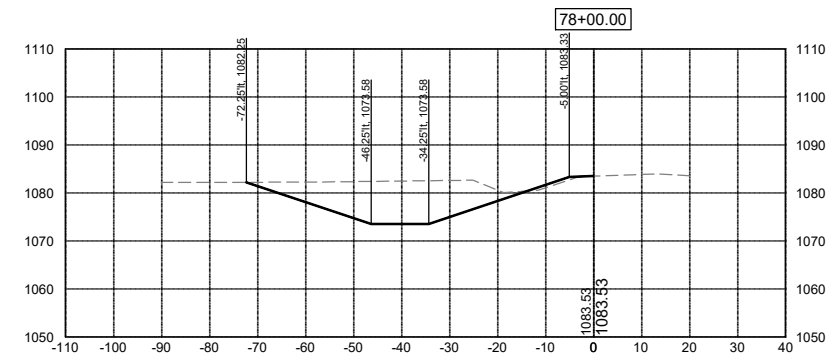
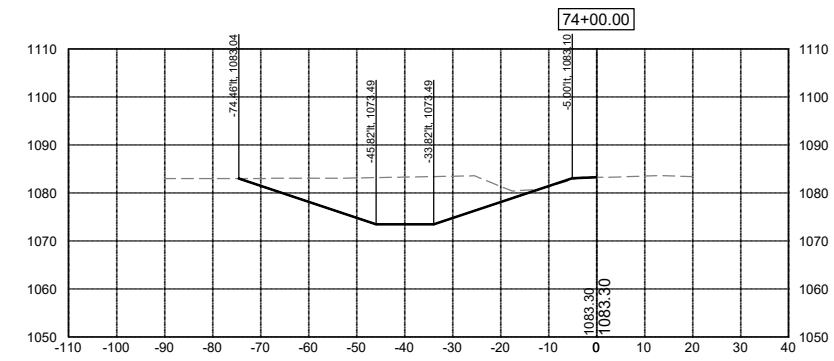
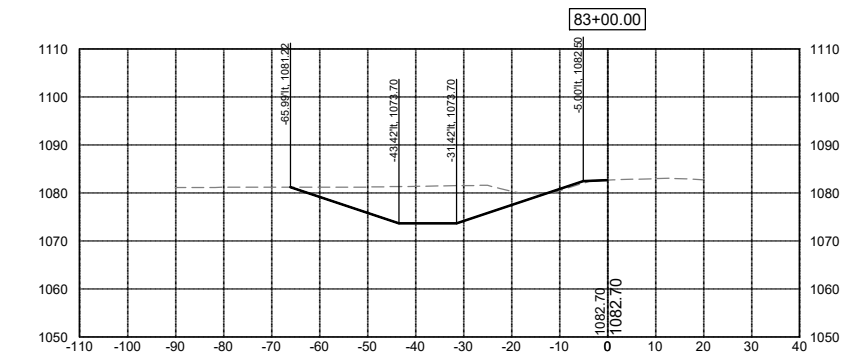
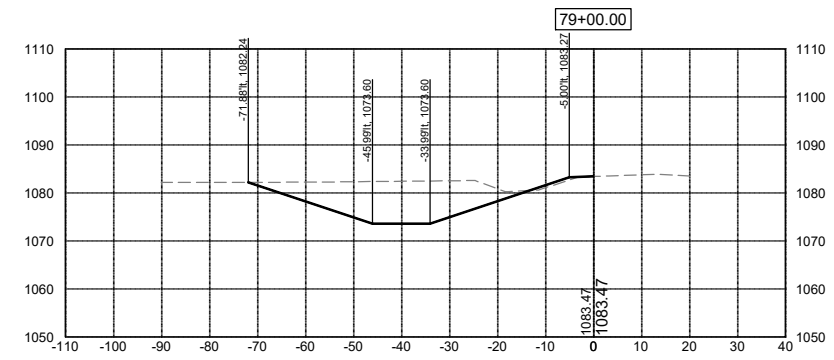
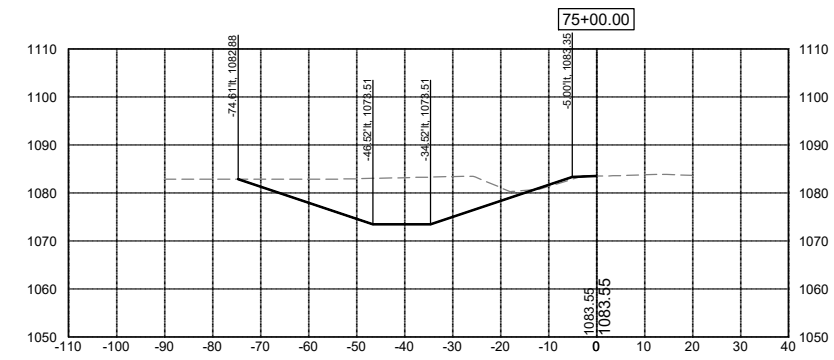
SALIX DRAINAGE DISTRICT  
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MAIN DITCH CROSS SECTIONS

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W.09
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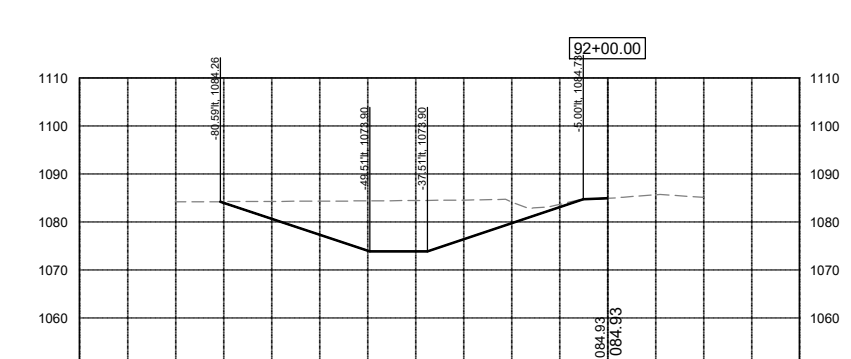
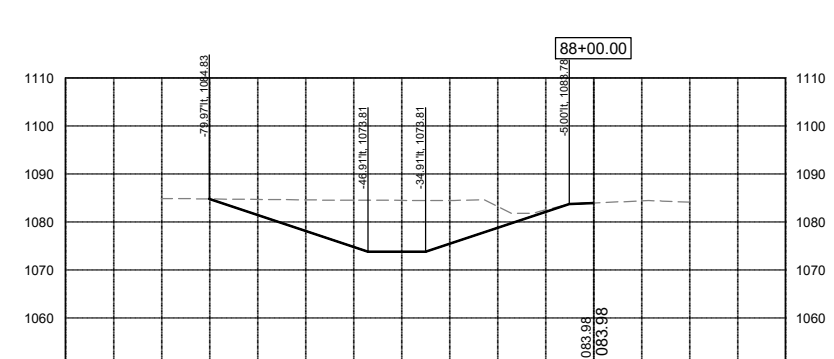
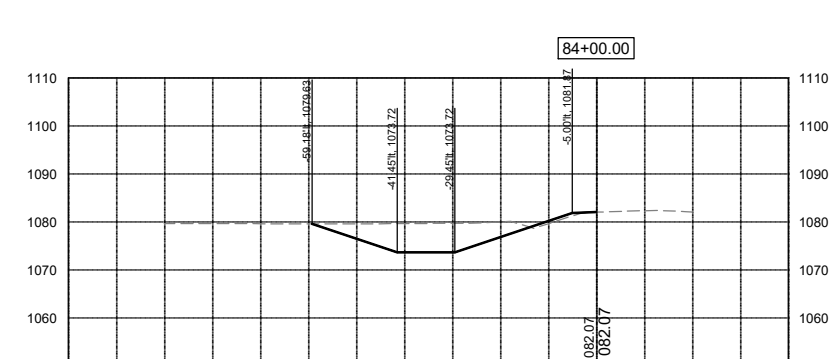
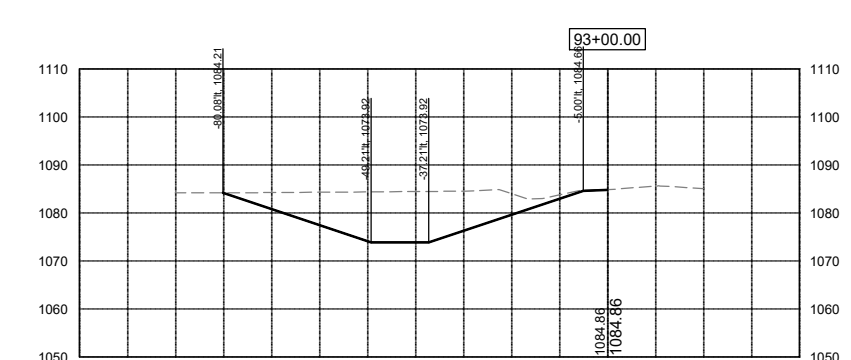
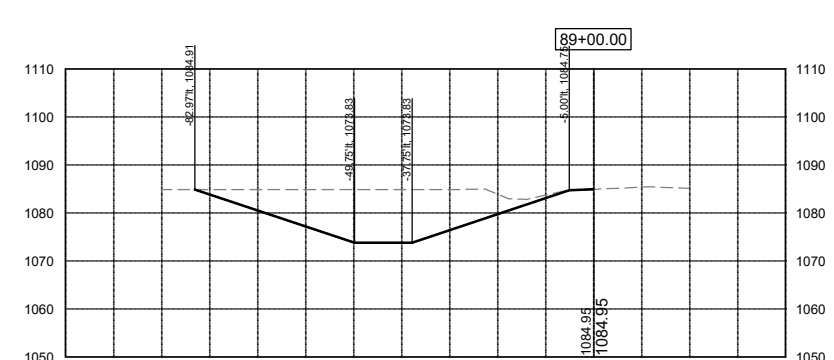
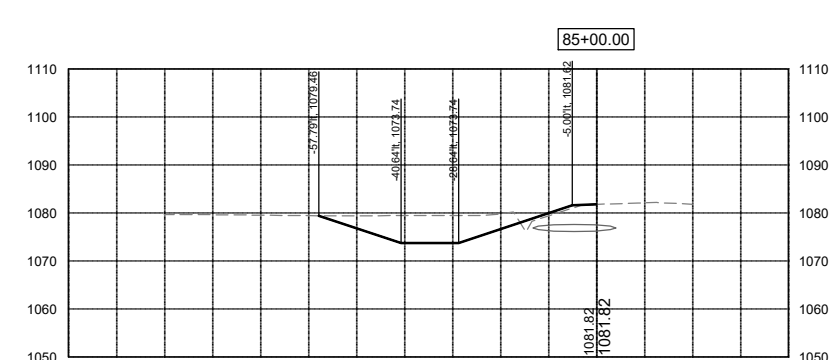
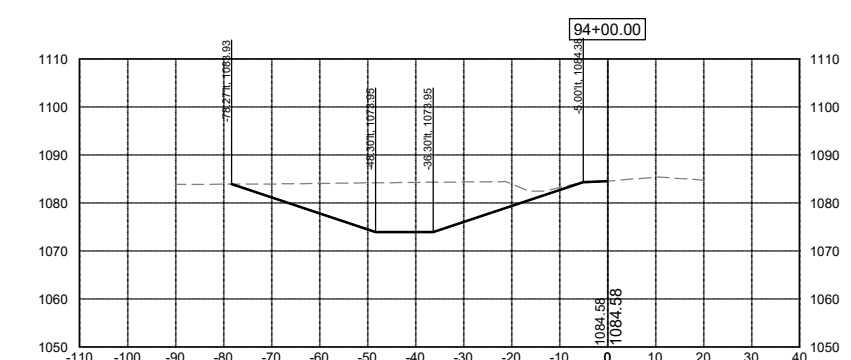
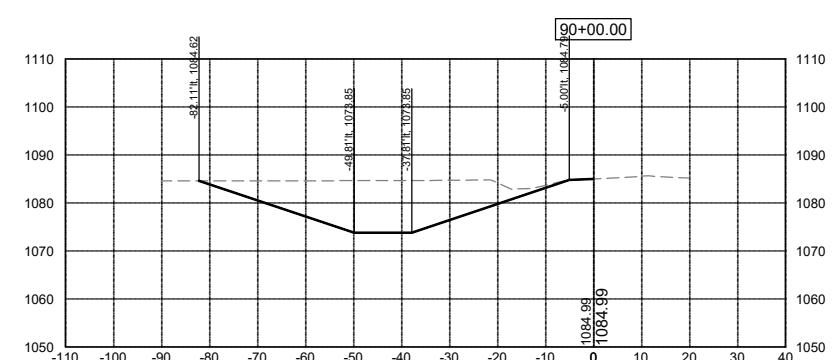
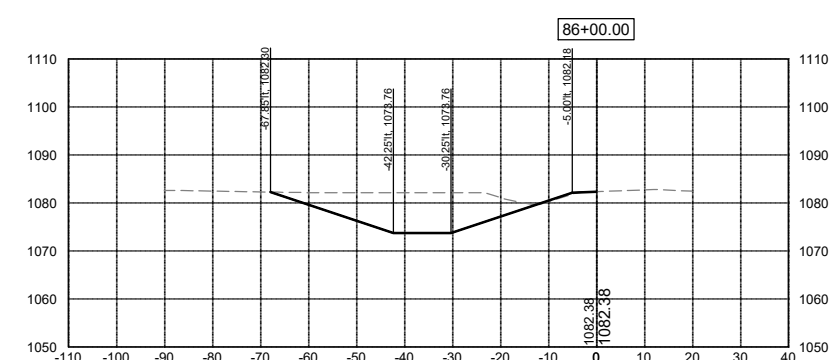
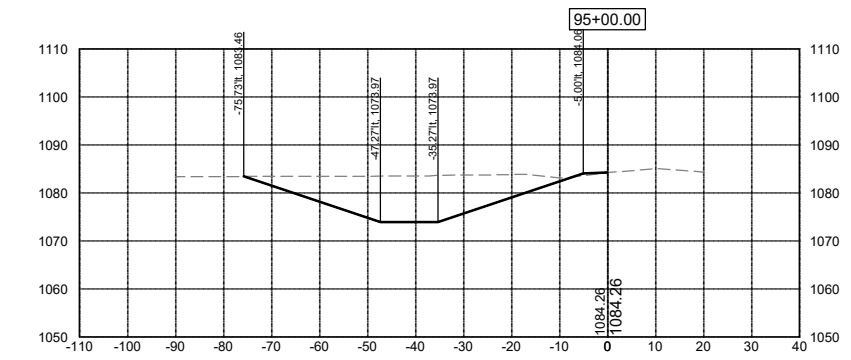
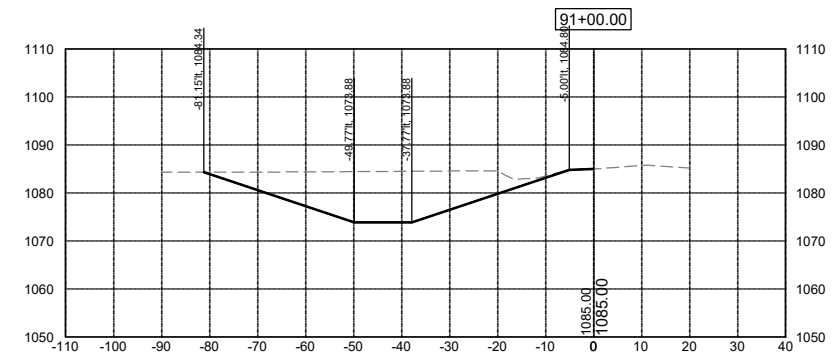
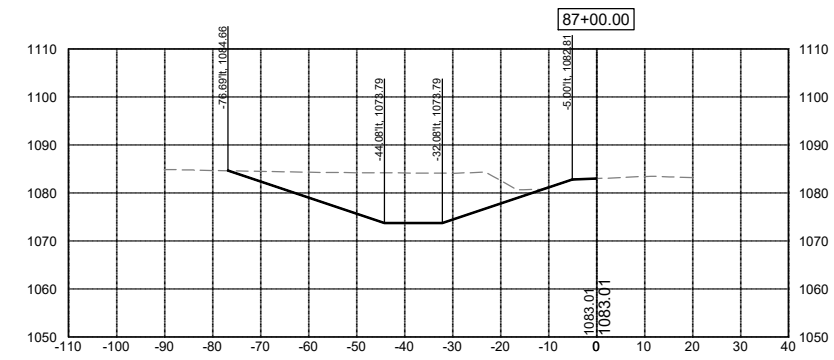
DATE	REVISIONS	SCALE	AS NOTED
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		APPROVED	PEM
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MAIN DITCH CROSS SECTIONS

DWG. NO.	W.10
PROJECT	15126



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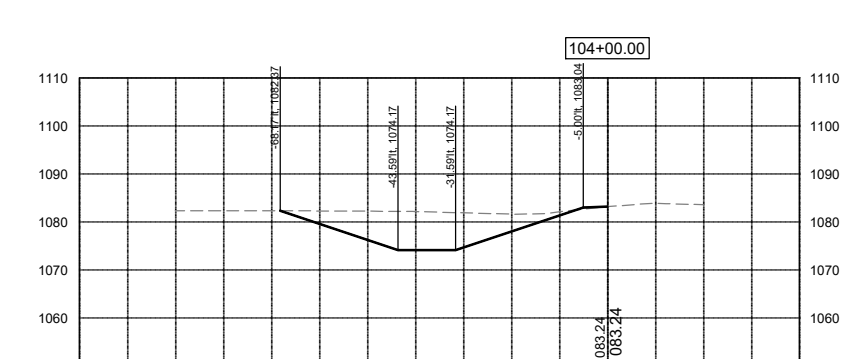
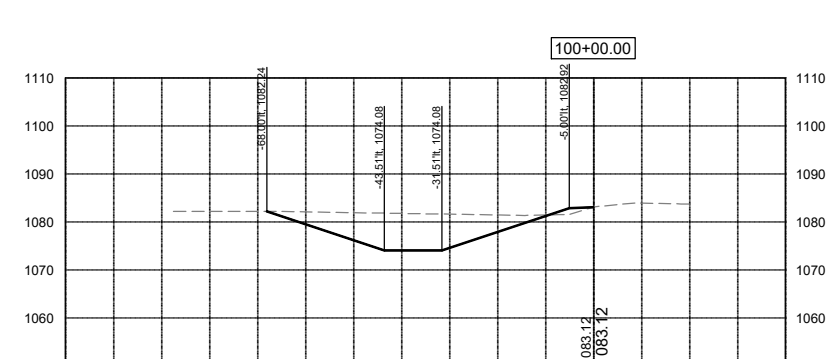
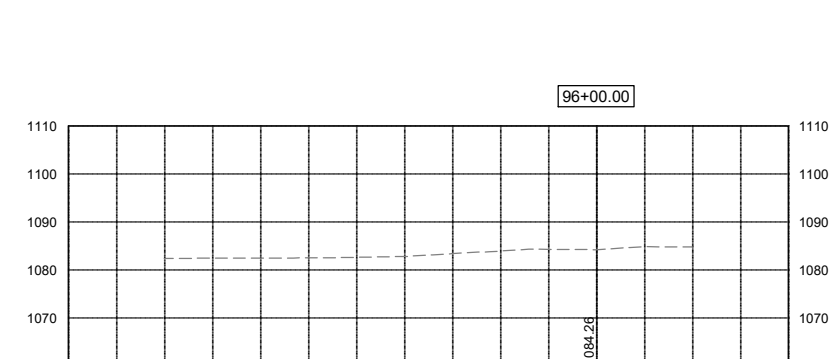
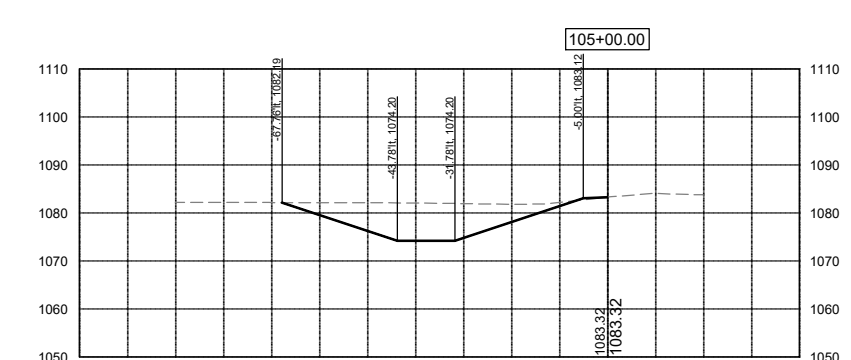
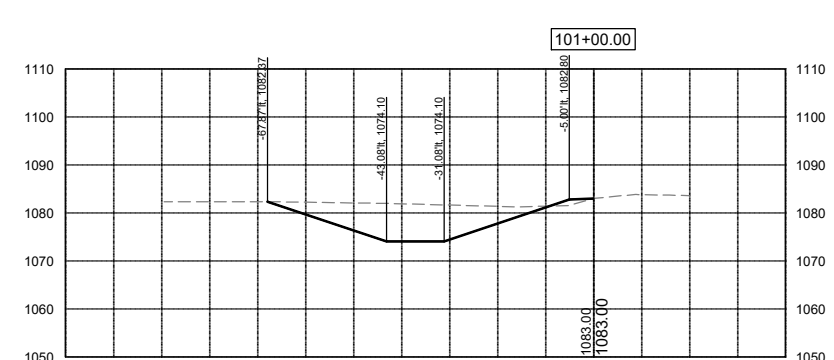
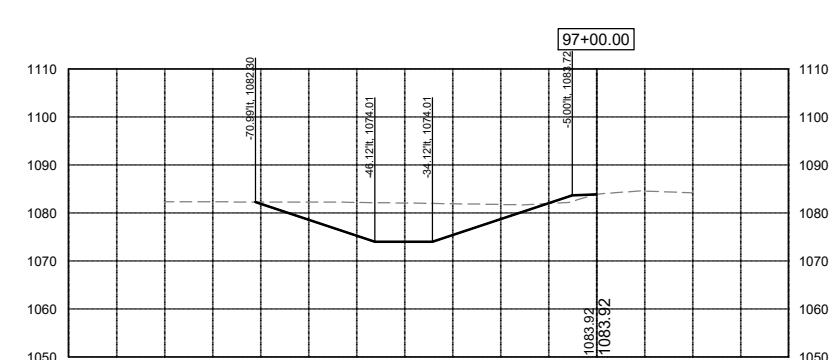
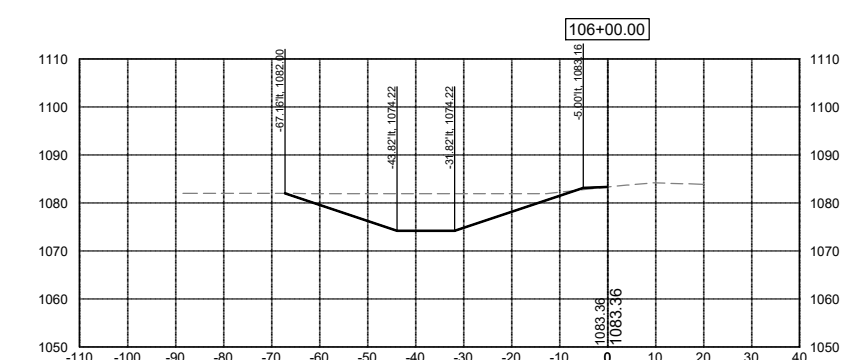
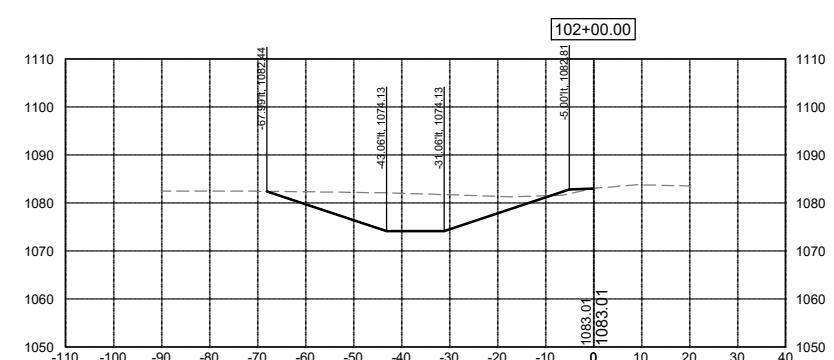
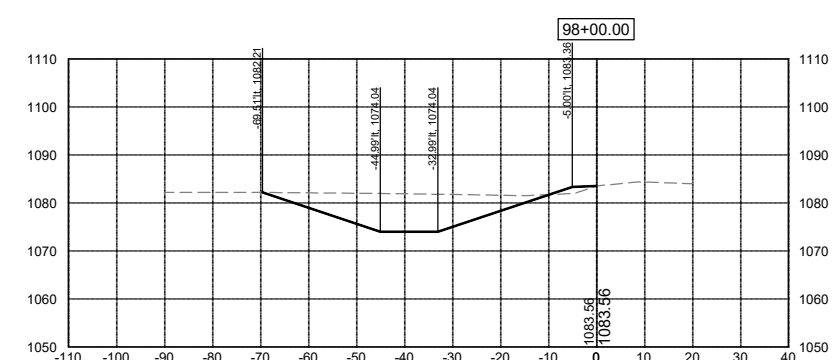
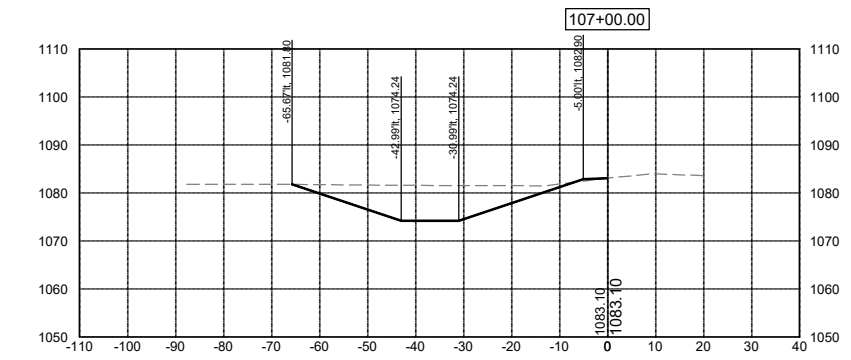
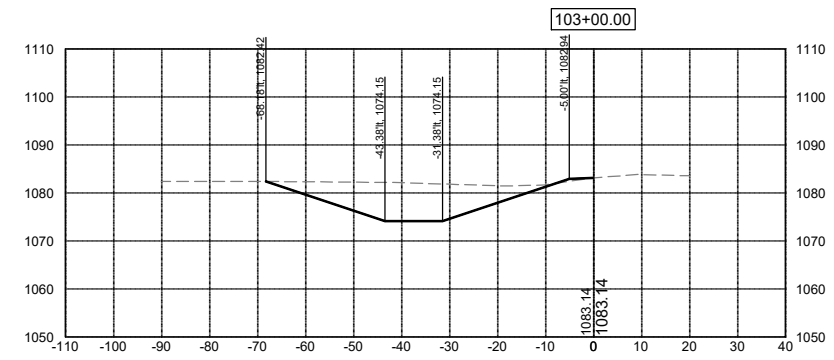
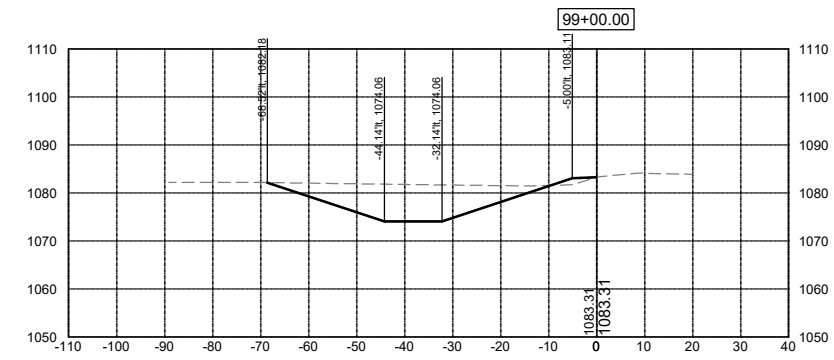
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.11
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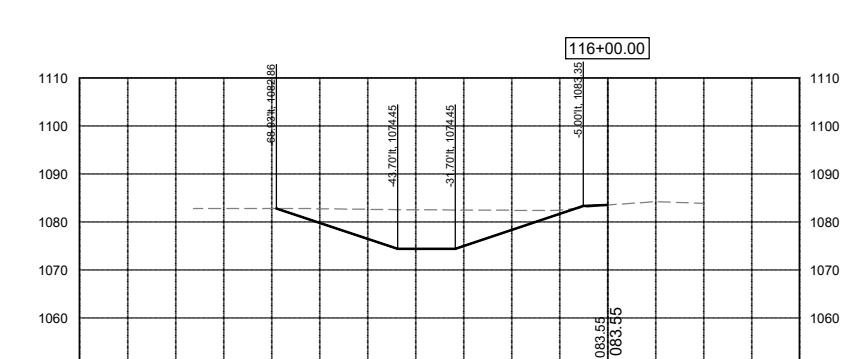
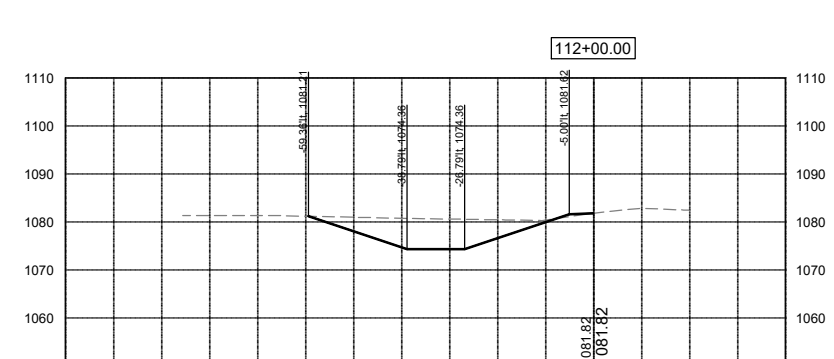
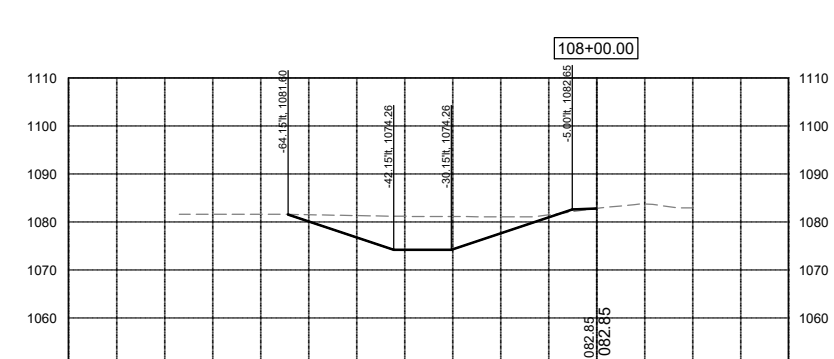
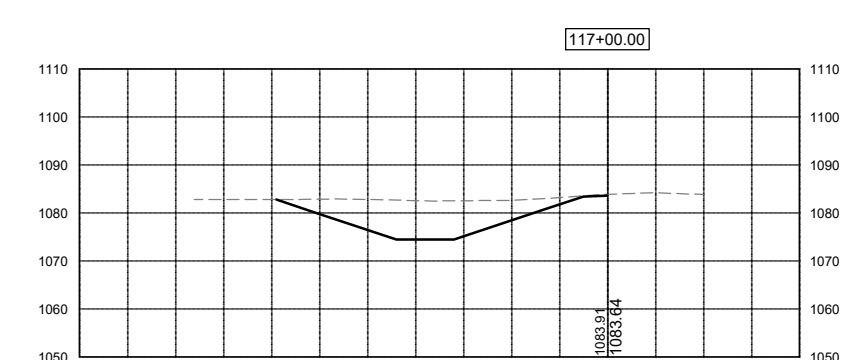
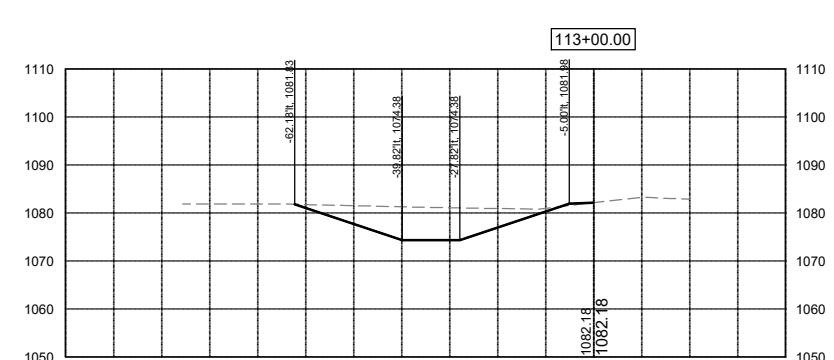
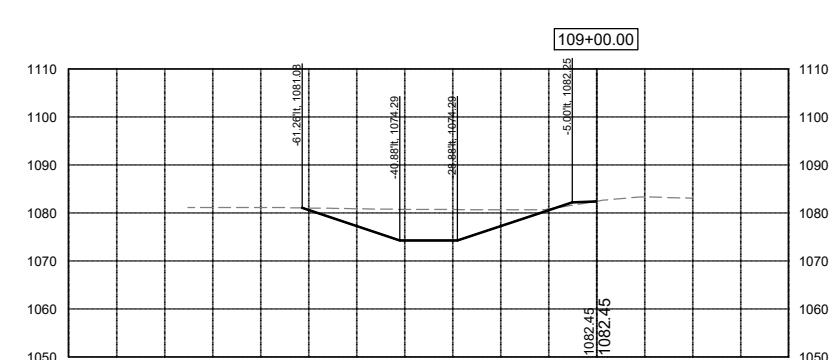
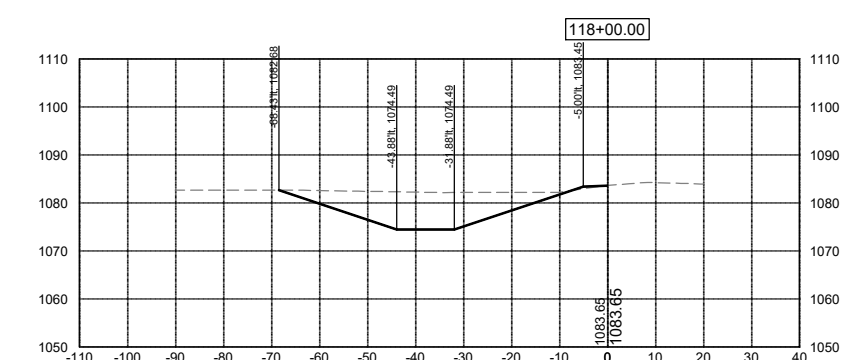
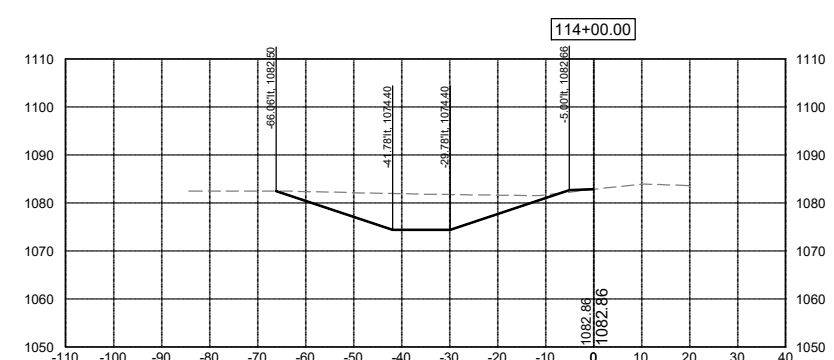
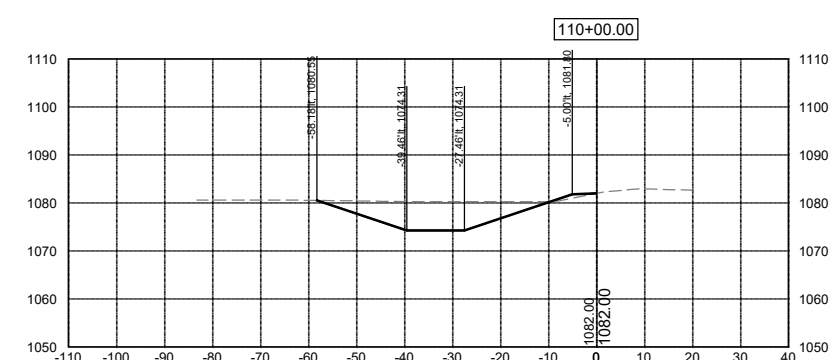
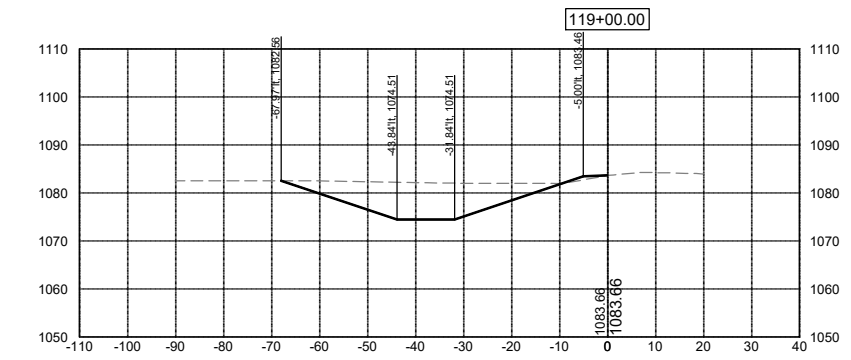
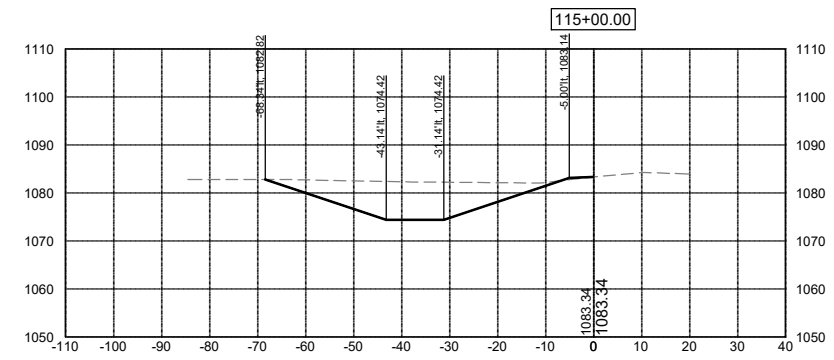
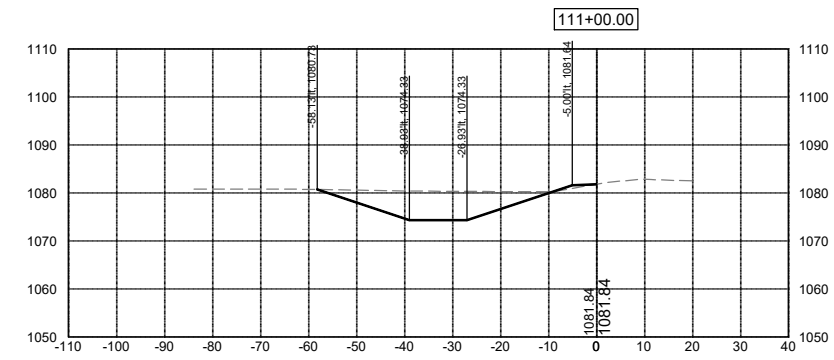
DATE	REVISIONS	SCALE	AS NOTED
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**MAIN DITCH CROSS SECTIONS**

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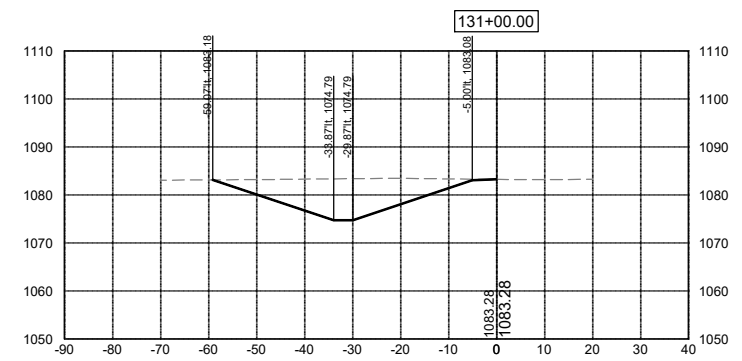
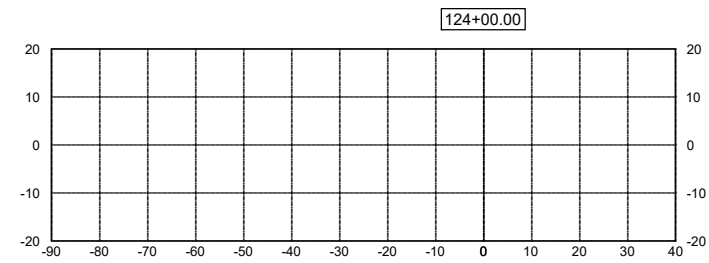
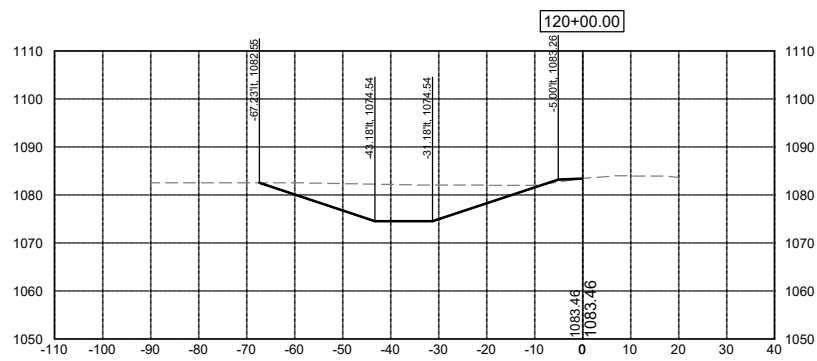
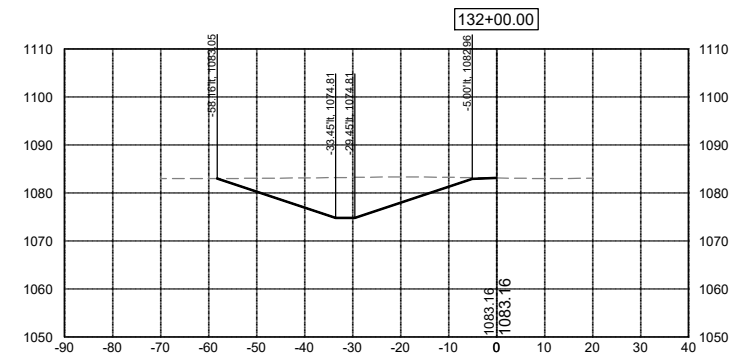
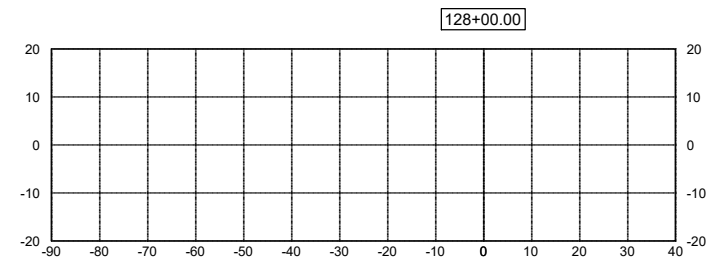
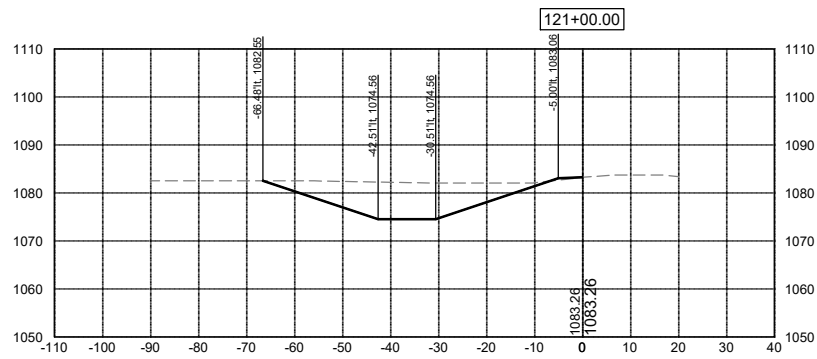
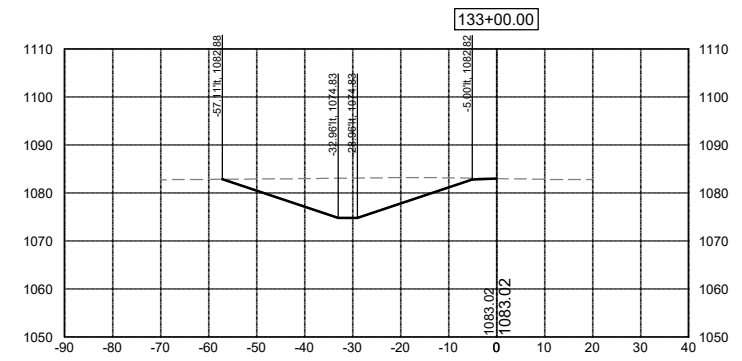
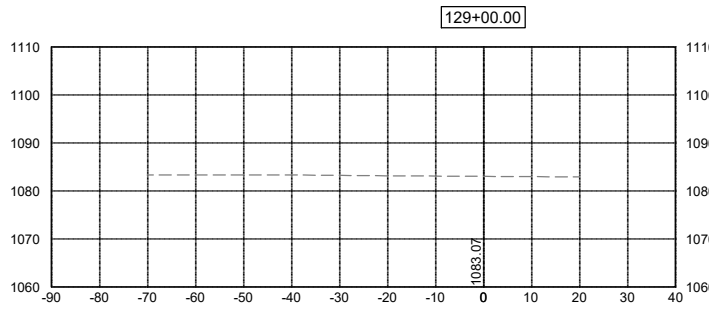
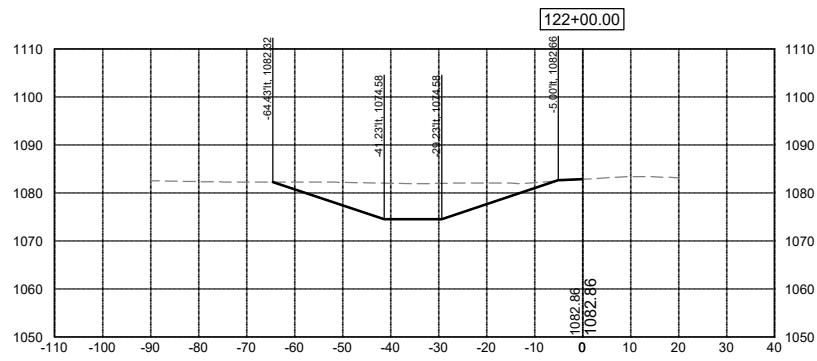
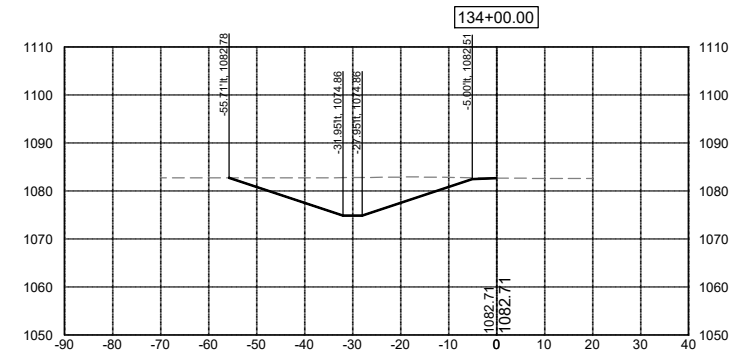
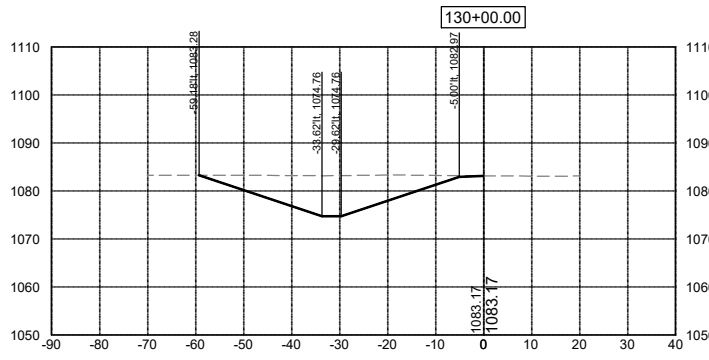
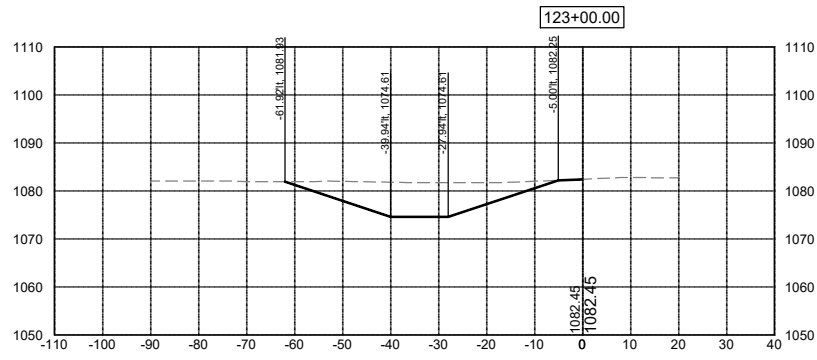
DATE	REVISIONS	SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
 WOODBURY COUNTY, IOWA

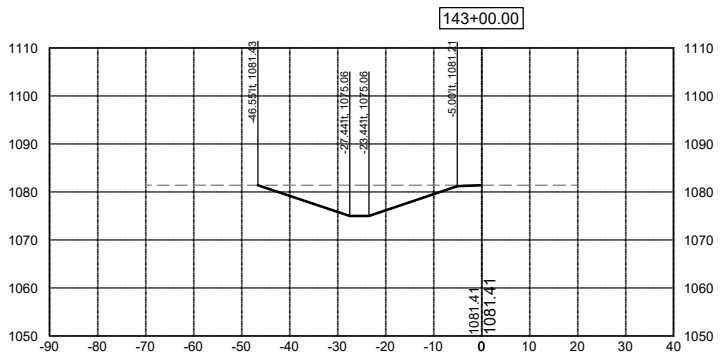
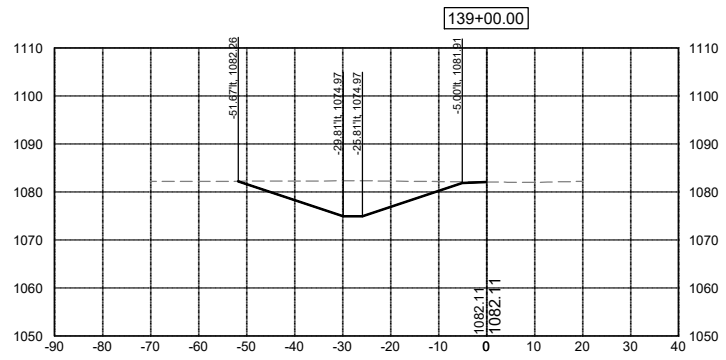
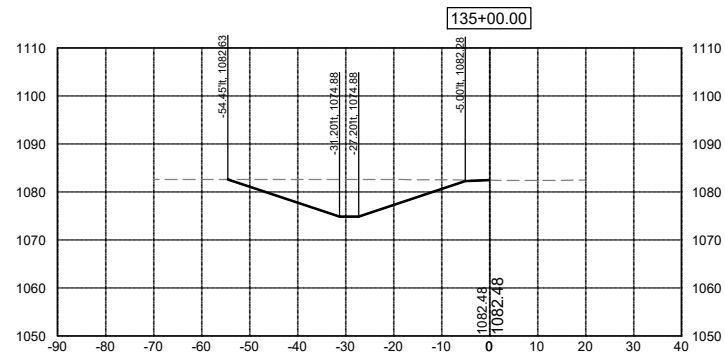
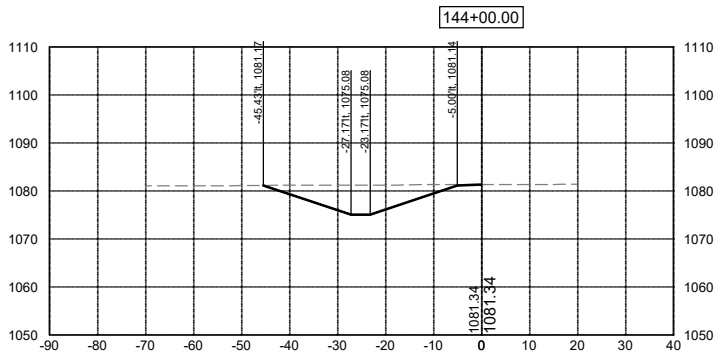
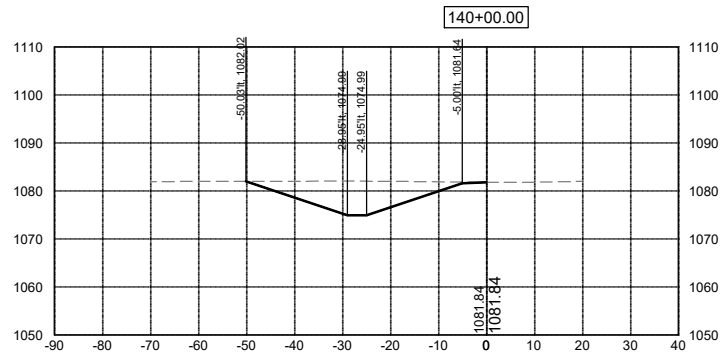
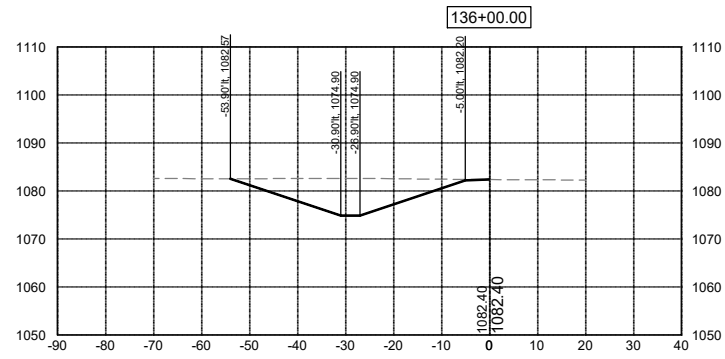
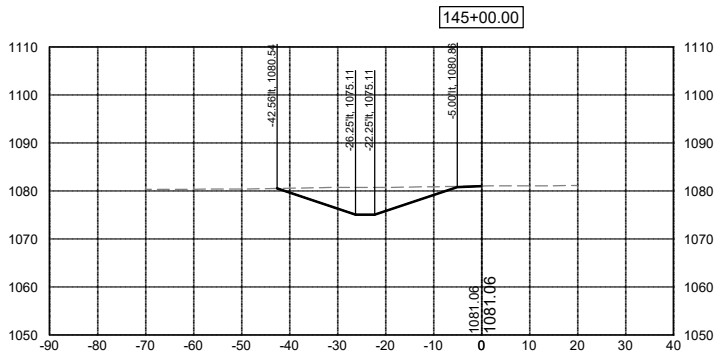
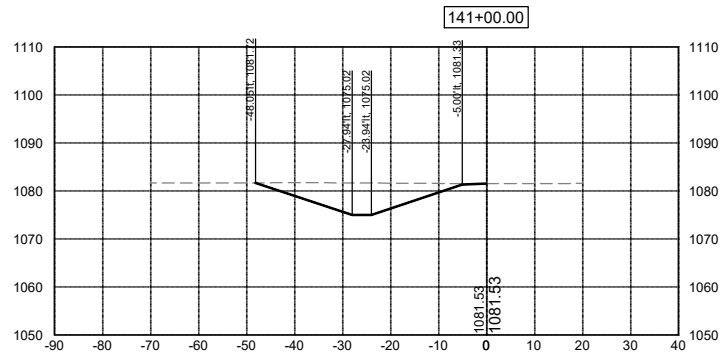
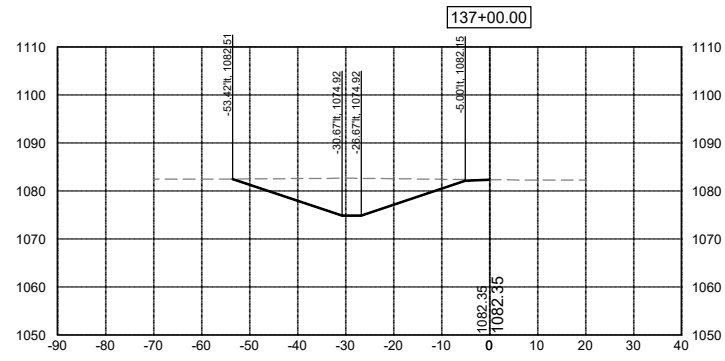
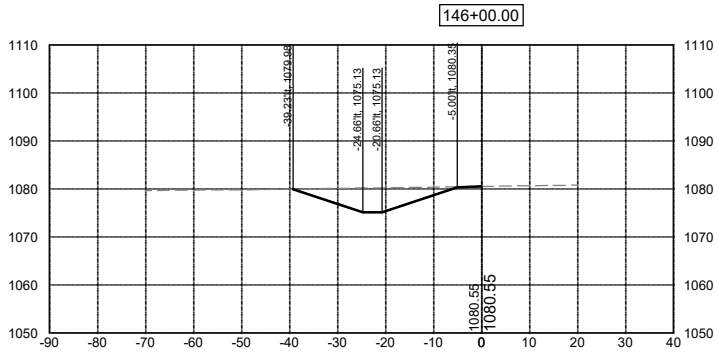
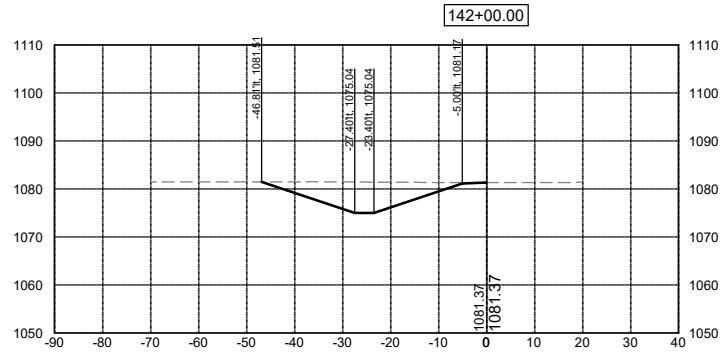
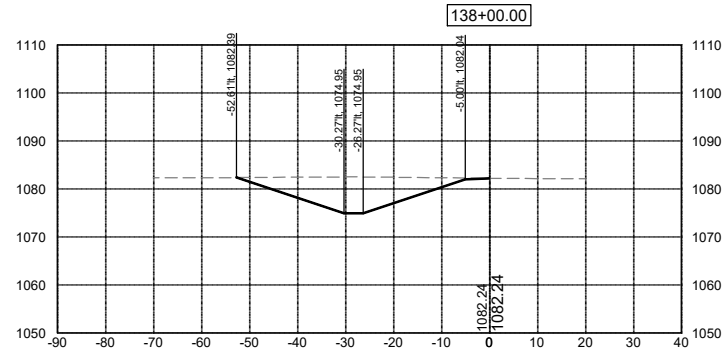
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MAIN DITCH CROSS SECTIONS

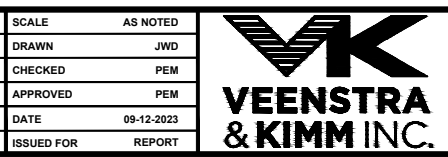
DWG. NO.

W.14

PROJECT 15126



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		ISSUED FOR	REPORT



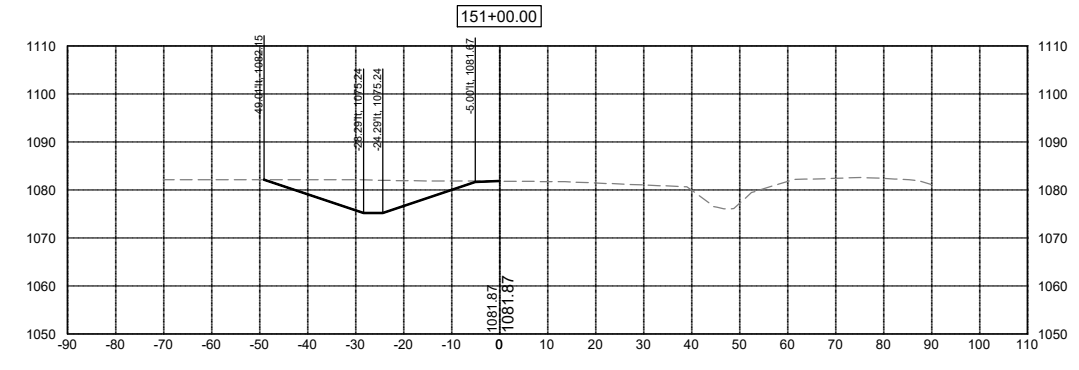
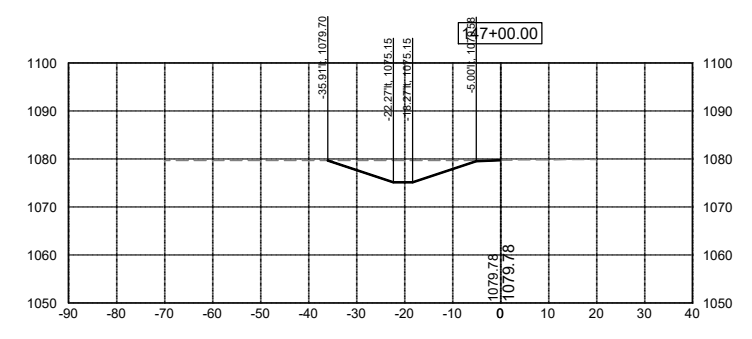
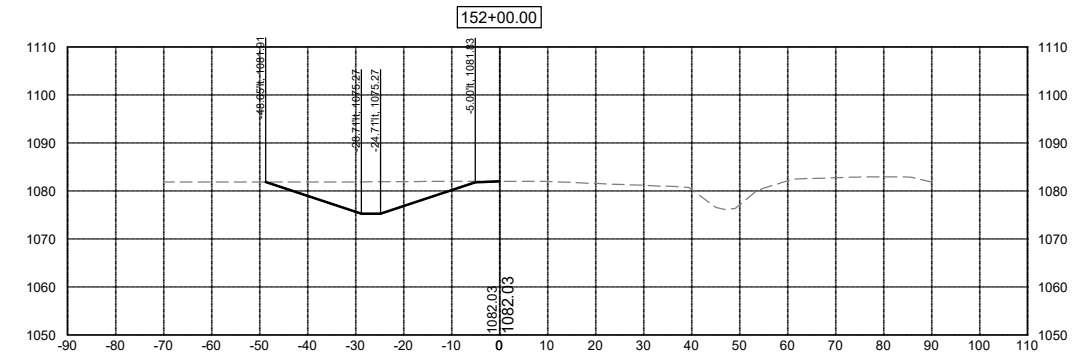
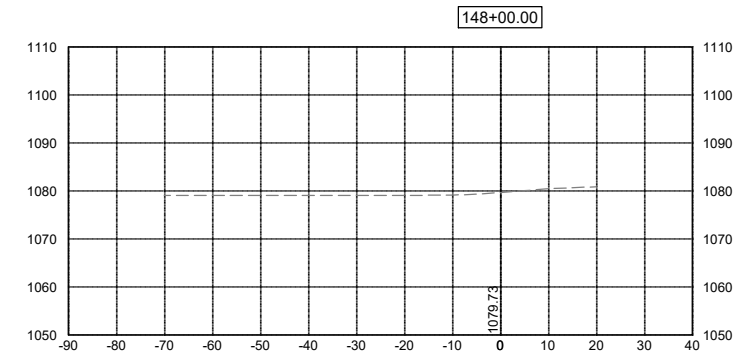
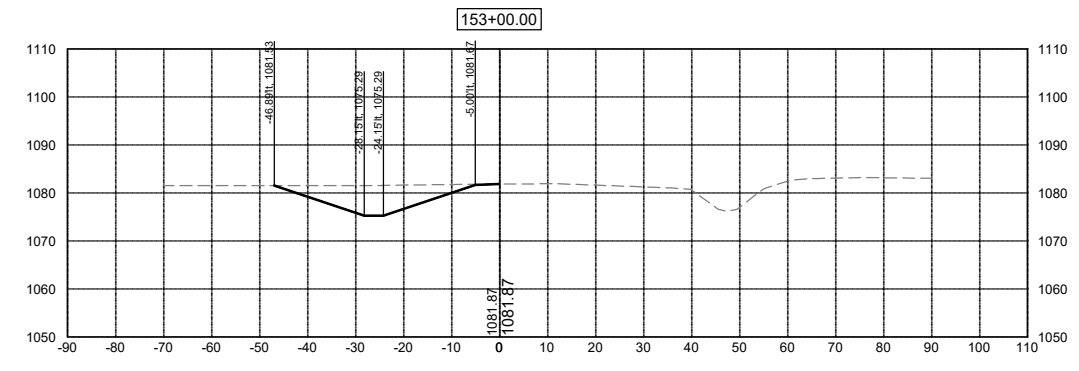
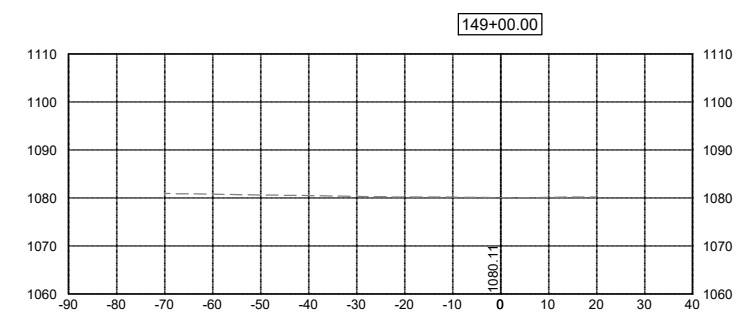
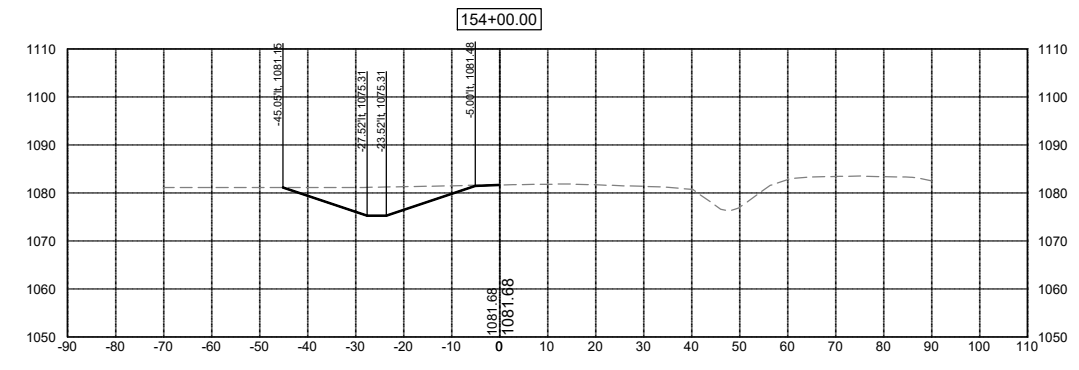
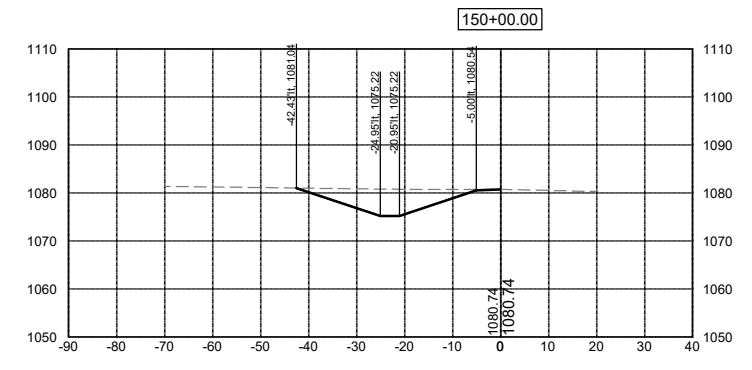
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
 203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220  
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**MAIN DITCH CROSS SECTIONS**

DWG. NO.
W.15
PROJECT 15126

PLOTTED: Monday, November 20, 2023 2:41:40 PM

X-REFS: 15126 VARIED GRADE PROFILE  
 FILE PATH: \\VKS\GT-FS\SGTSHARE\01000151-WOODBURY\_COUNTY\0151-0028\_SALIX\_DRAINAGE\_DISTRICT\_CREATION\CADD\_PRODDRAWINGS\15126 W11-20



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT



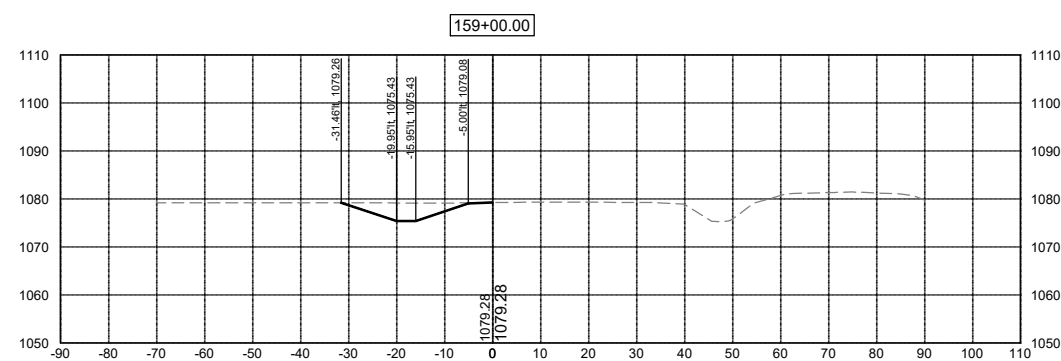
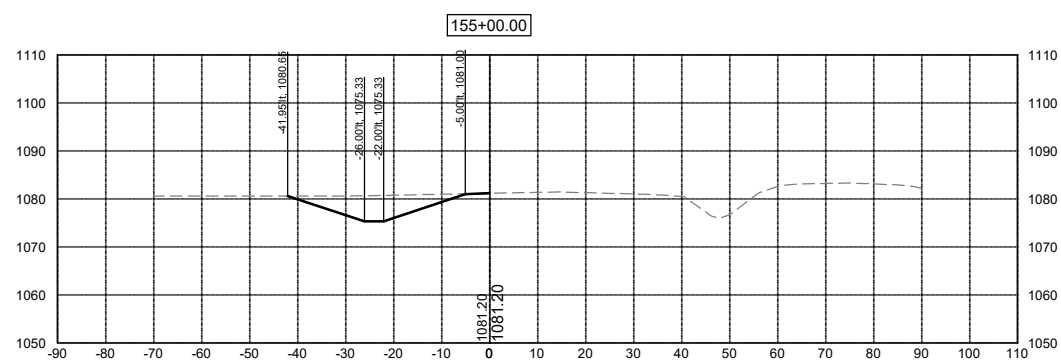
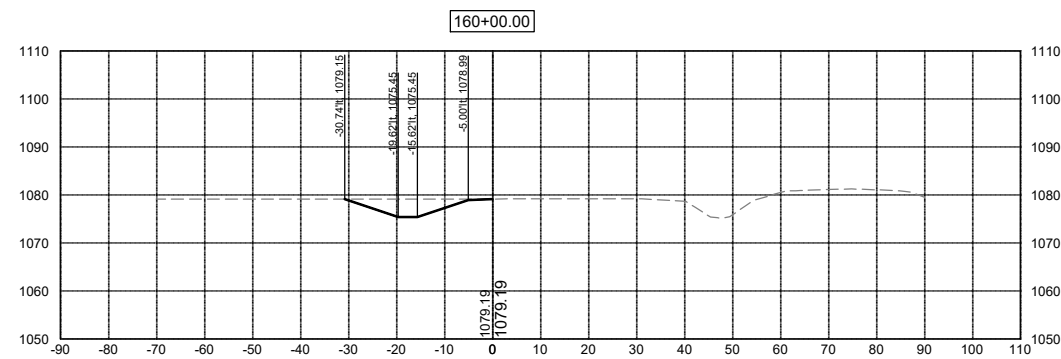
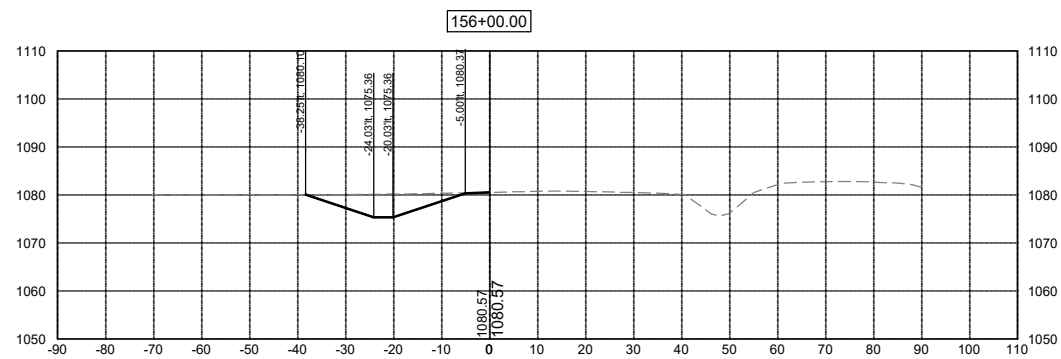
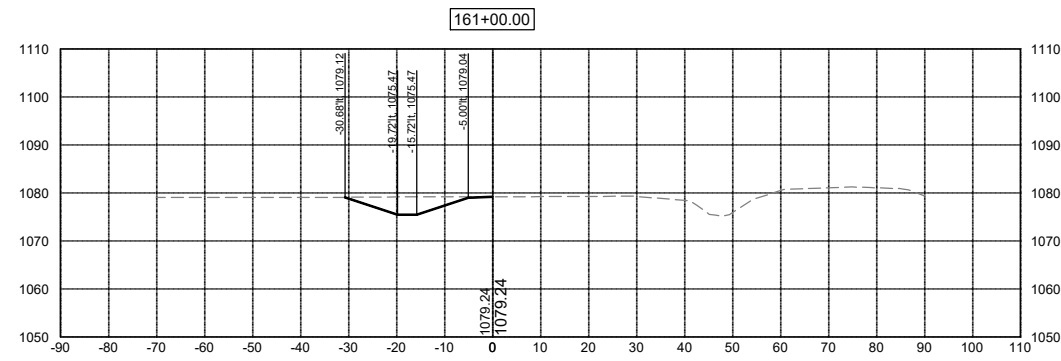
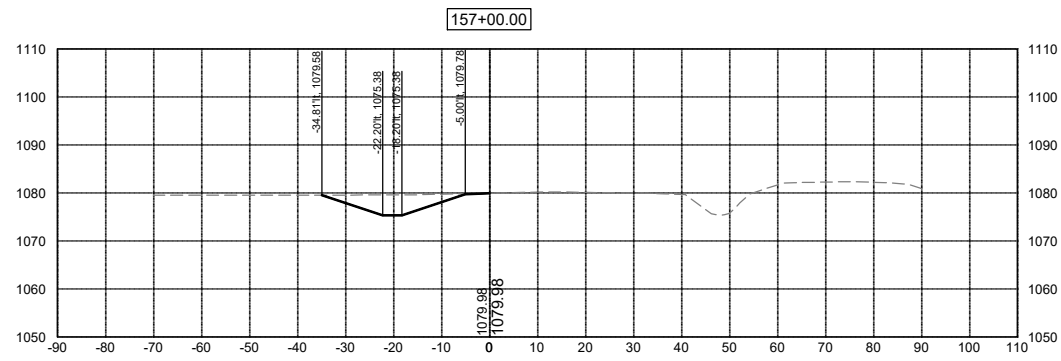
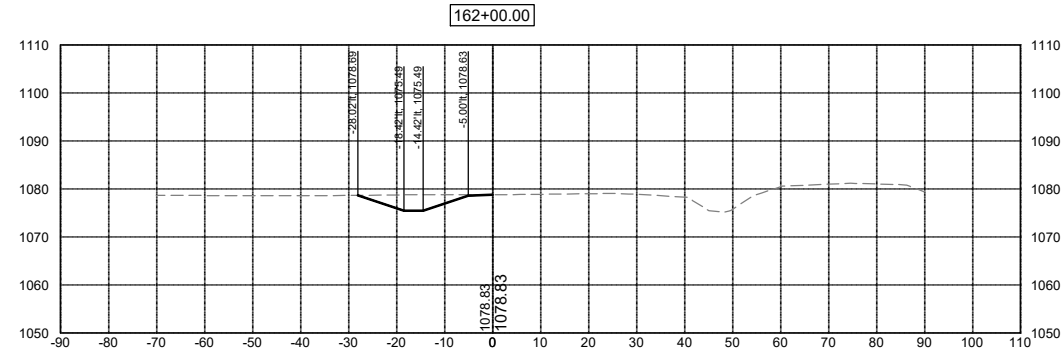
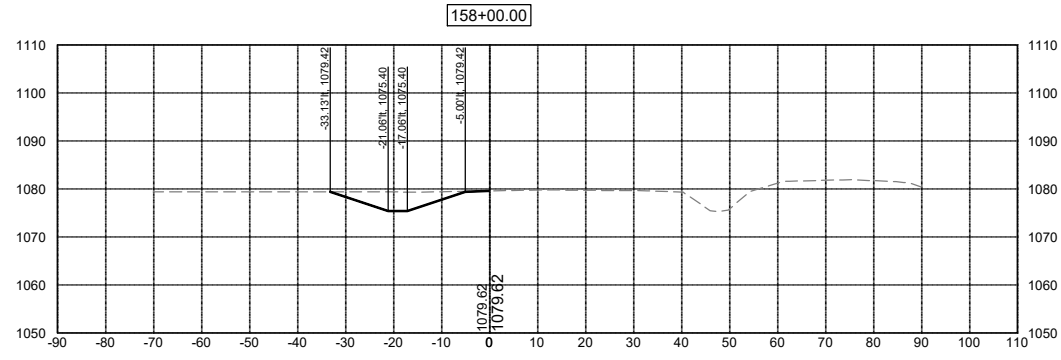
**SALIX DRAINAGE DISTRICT**  
**WOODBURY COUNTY, IOWA**  
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**MAIN DITCH CROSS SECTIONS**

DWG. NO.
W.16
PROJECT 15126

PLOTTED: Monday, November 20, 2023 2:41:55 PM

X-REFS: 15126 VARIED GRADE PROFILE  
FILE PATH: \\VKS\GT-FS\IS\GTSHARE\01000151-WOODBURY\_COUNTY\0151-0028\_SALIX\_DRAINAGE\_DISTRICT\_CREATION\CADD\_PRODDRAWINGS\15126 W11-20



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT



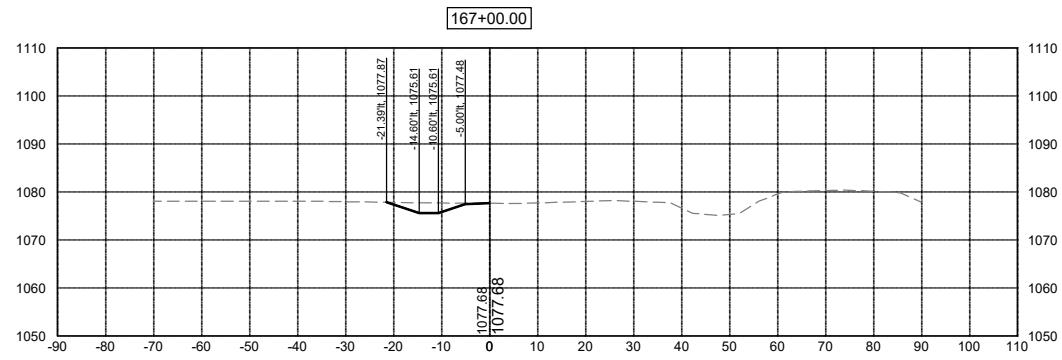
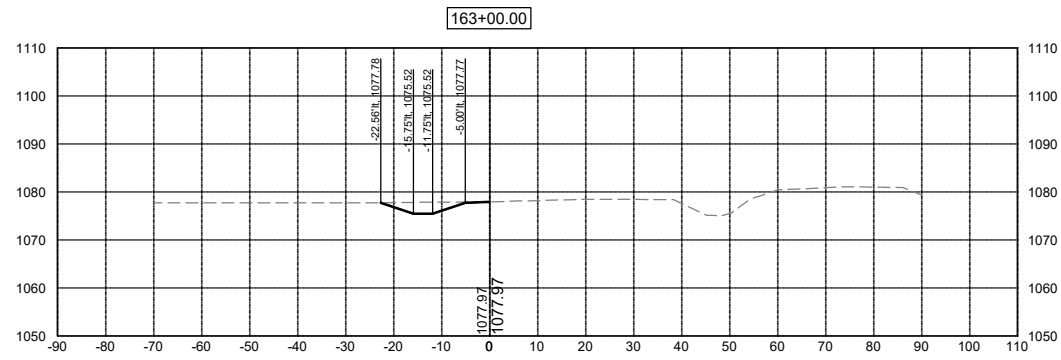
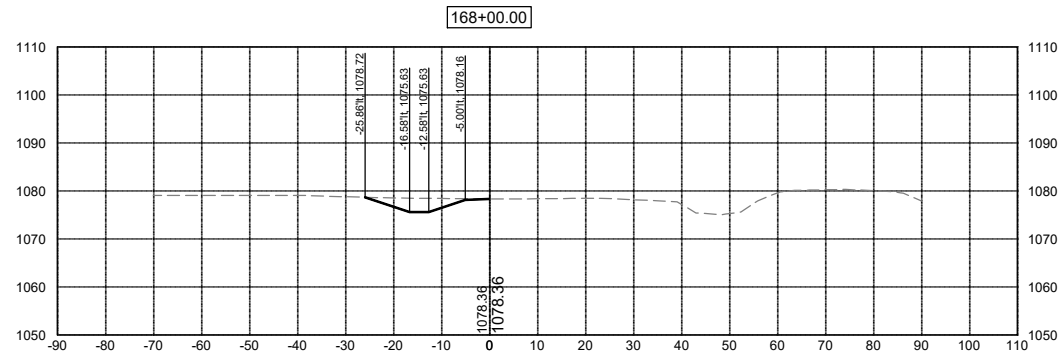
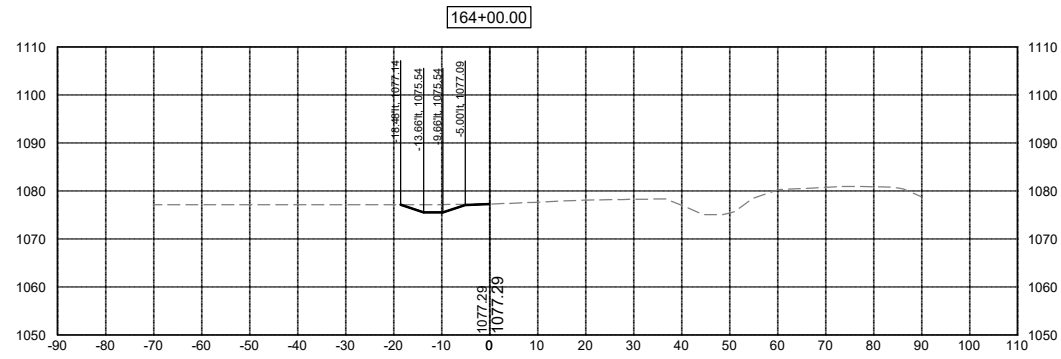
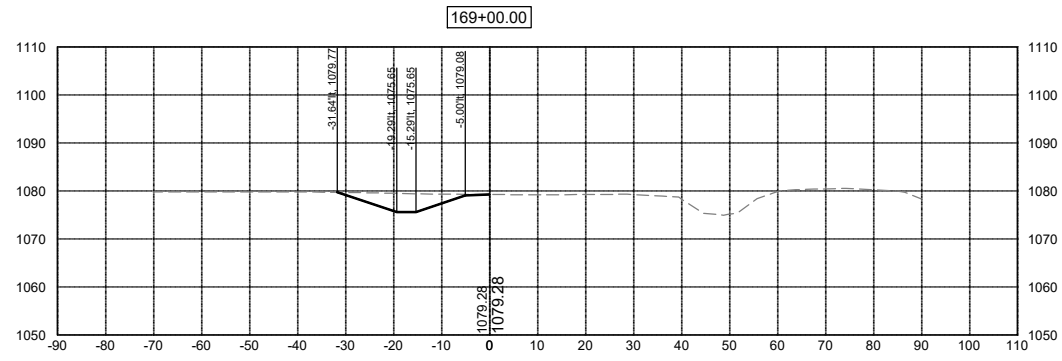
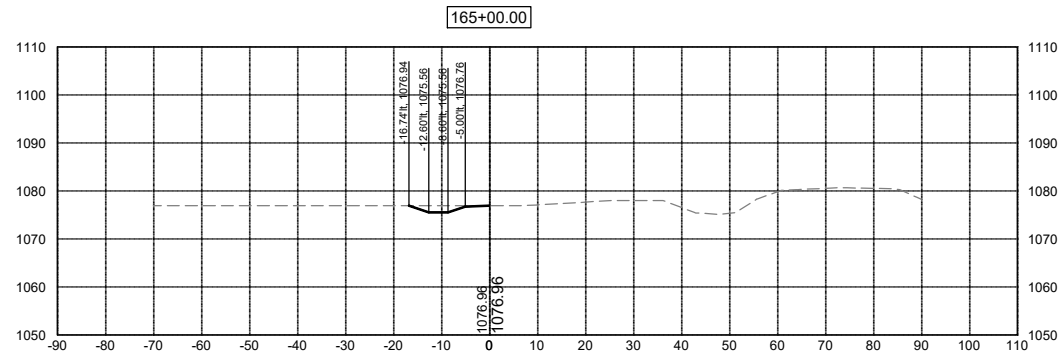
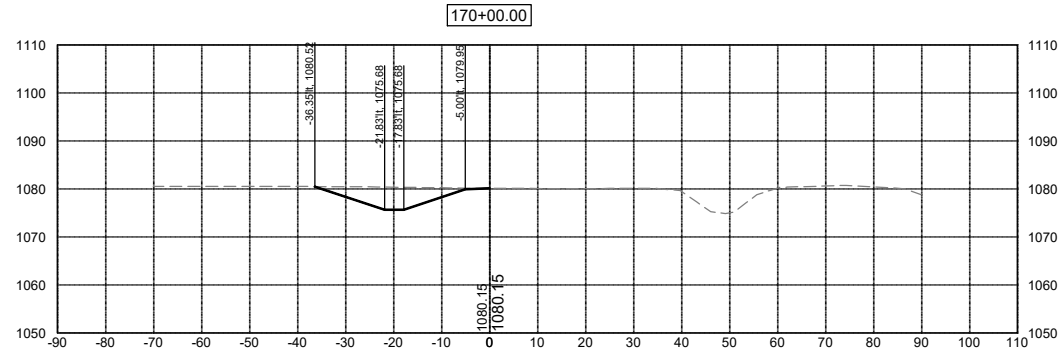
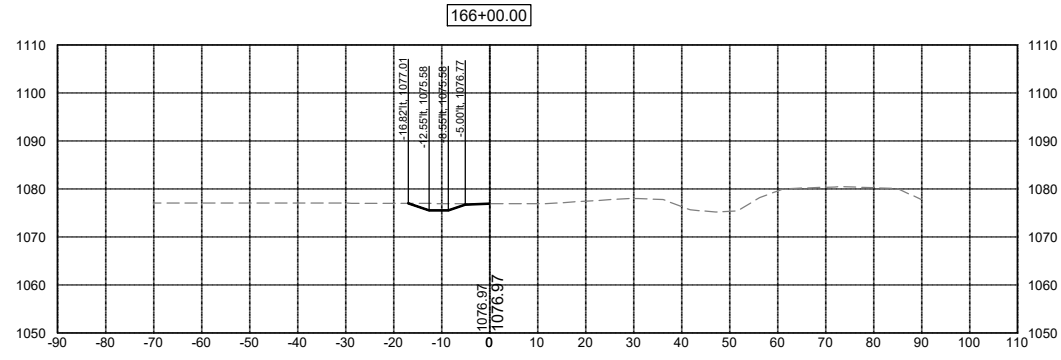
SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.17
PROJECT 15126





DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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SALIX DRAINAGE DISTRICT  
 WOODBURY COUNTY, IOWA

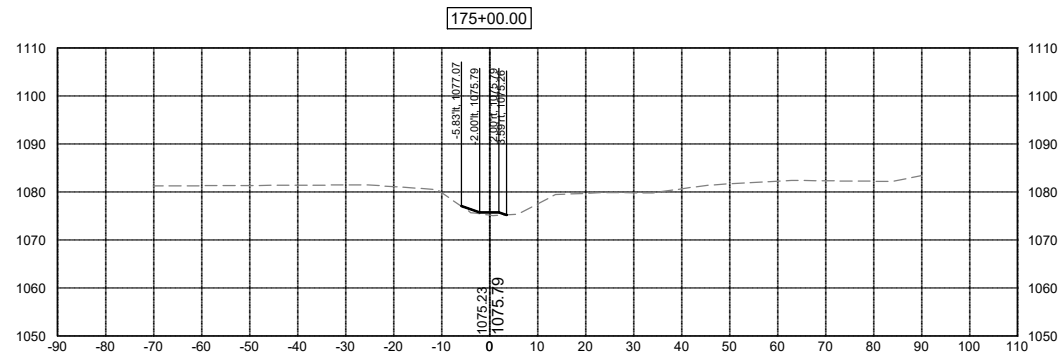
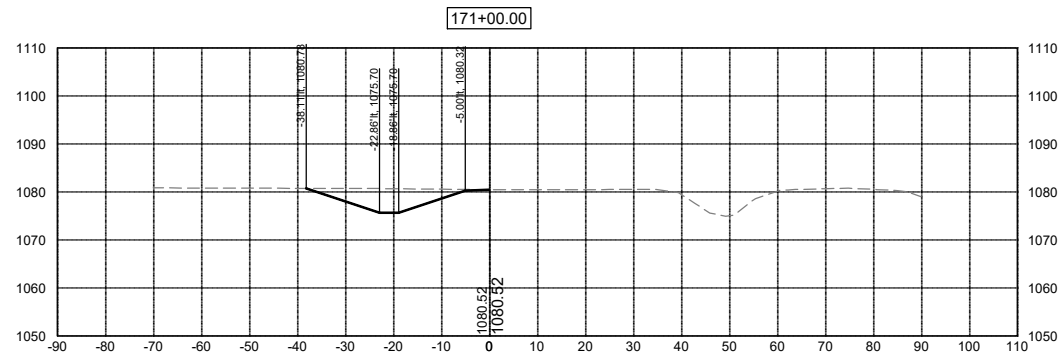
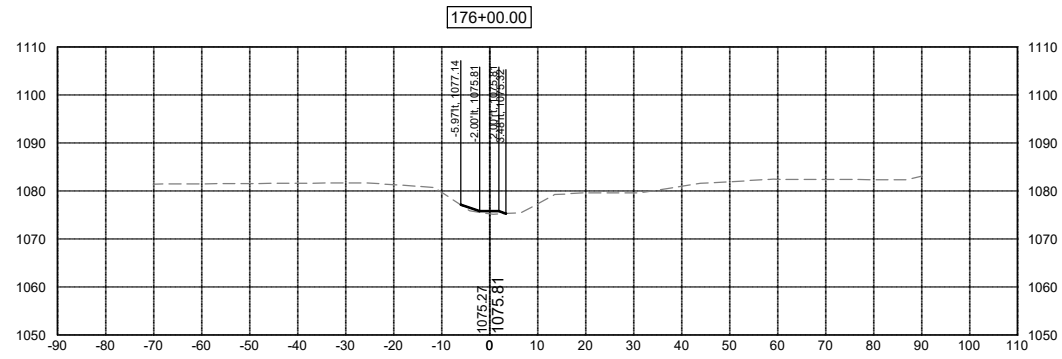
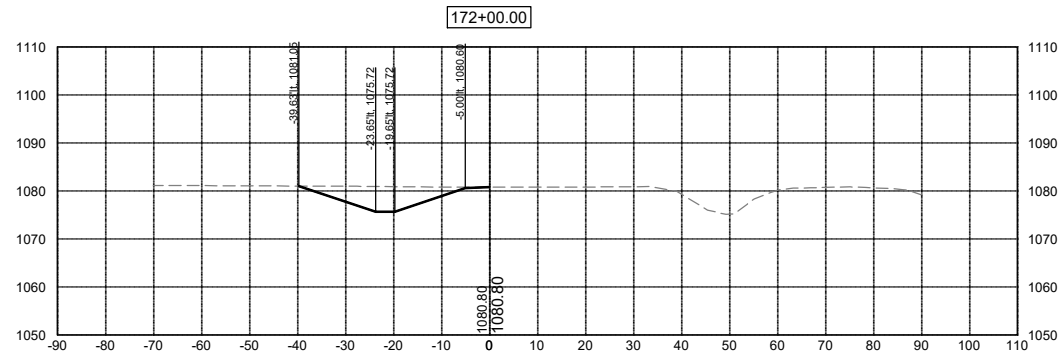
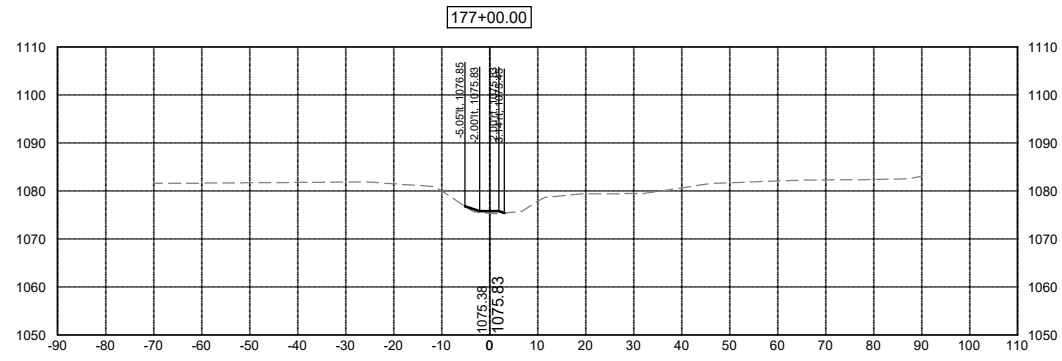
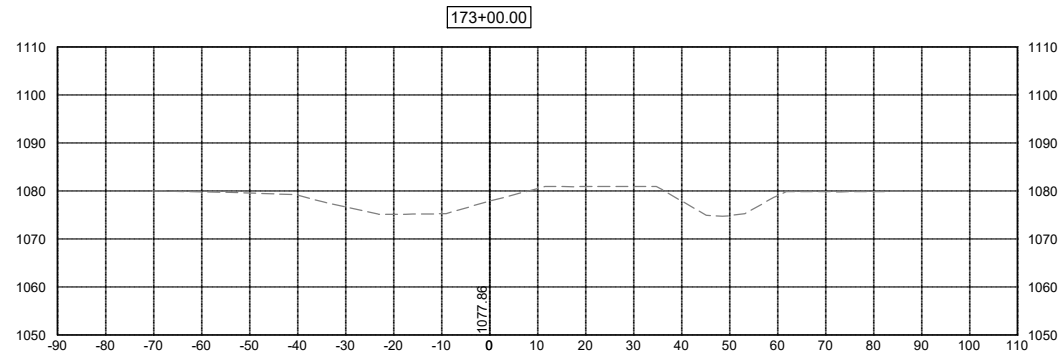
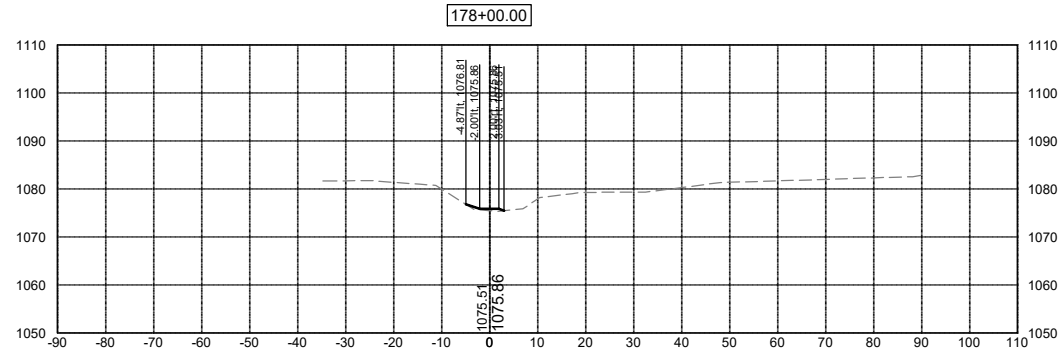
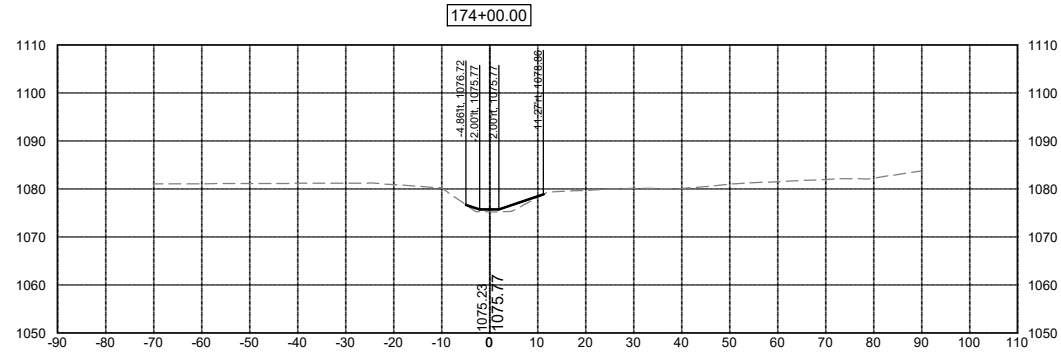
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.18
PROJECT 15126

PLOTTED: Monday, November 20, 2023 2:42:25 PM

X-REFS: 15126 VARIED GRADE PROFILE  
FILE PATH: \\VKS\SGT-FS\SGTSHARE\01000151-WOODBURY\_COUNTY\0151-0028\_SALIX\_DRAINAGE\_DISTRICT\_CREATION\CADD\_PRODDRAWINGS\15126 W11-20



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT

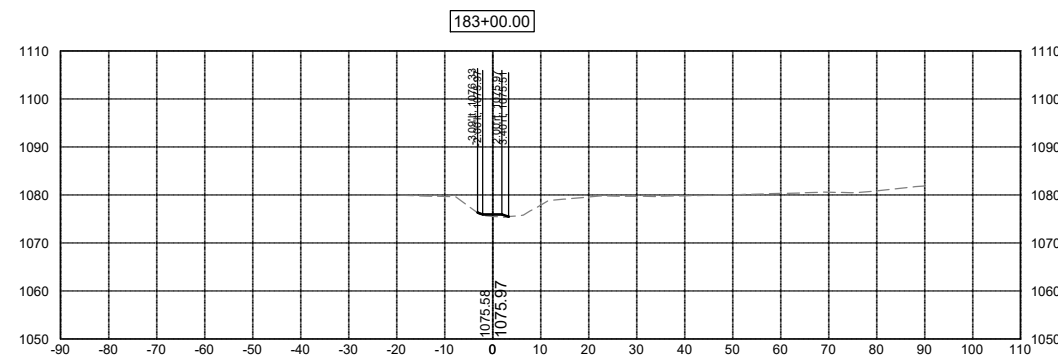
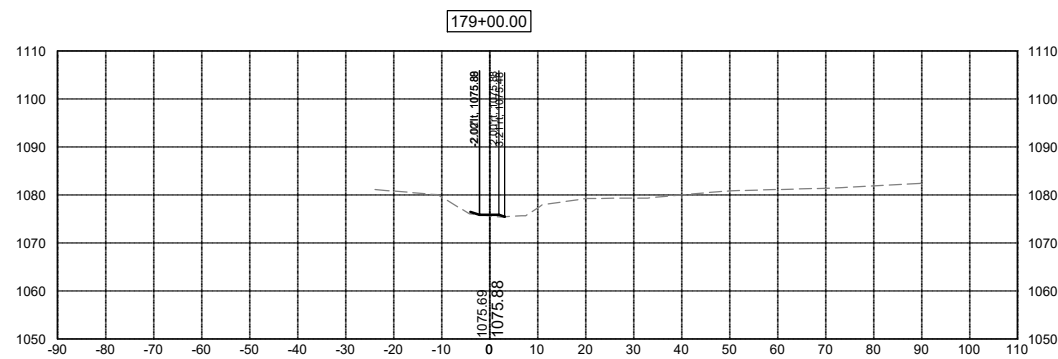
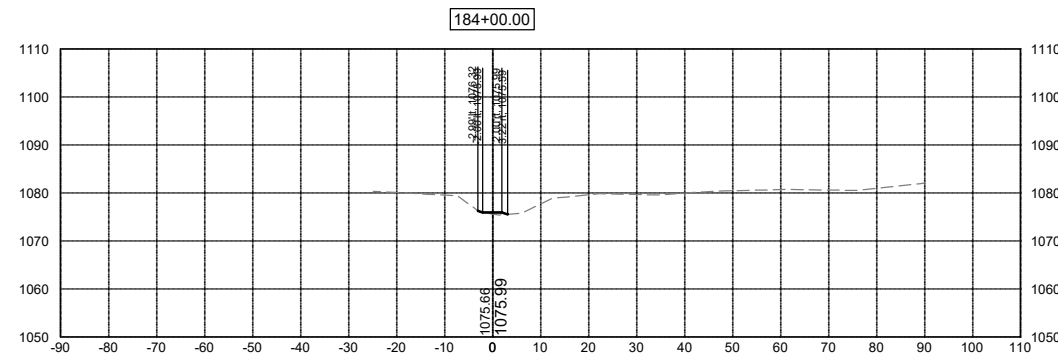
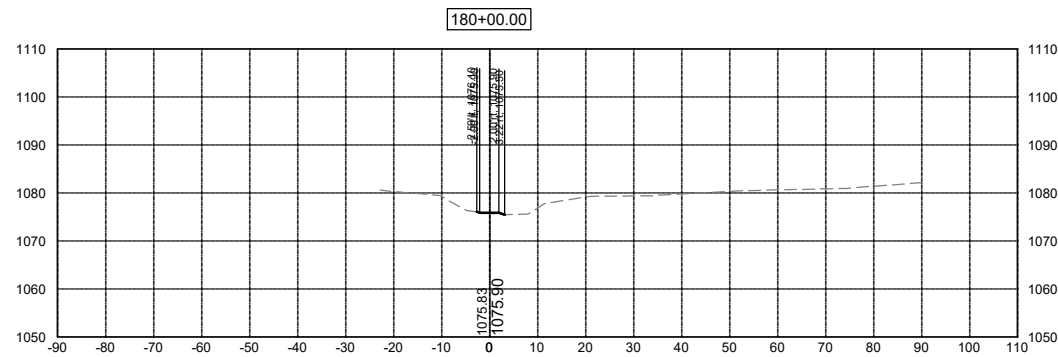
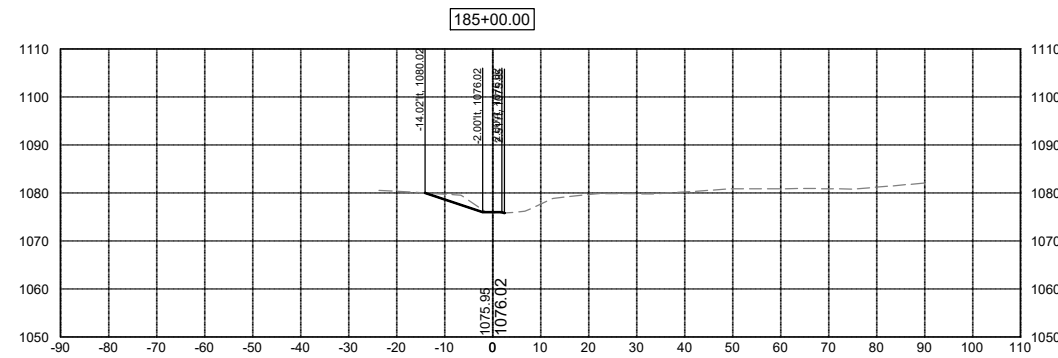
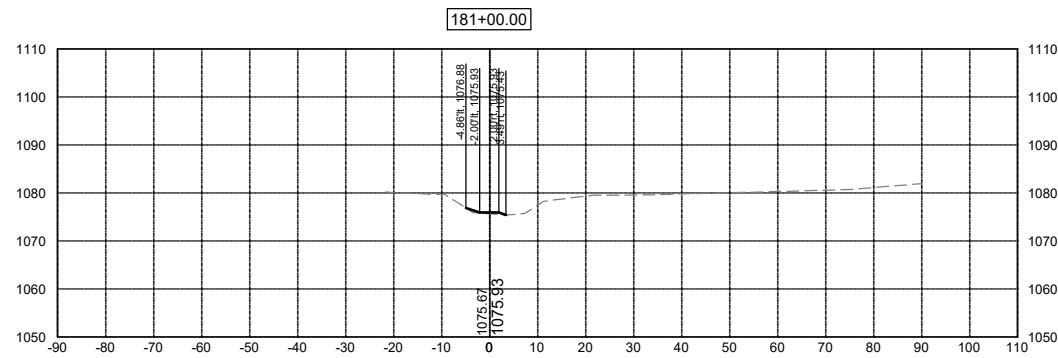
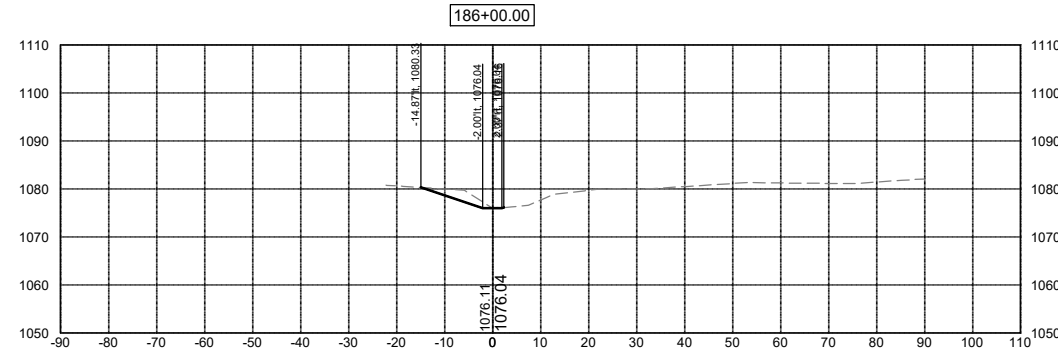
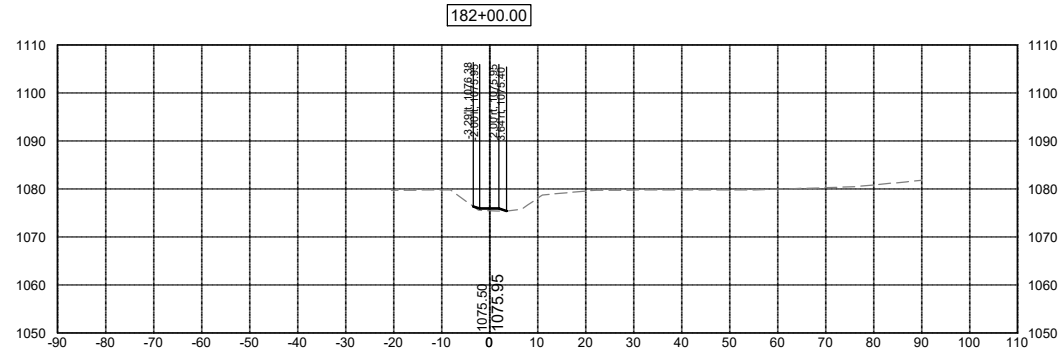


SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.19
PROJECT 15126



DATE	REVISIONS

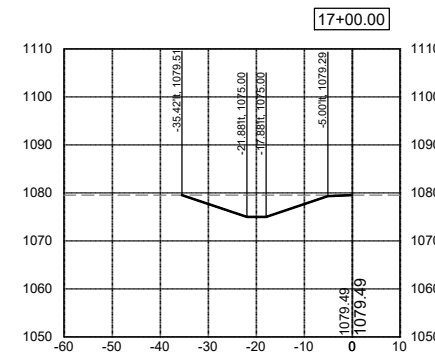
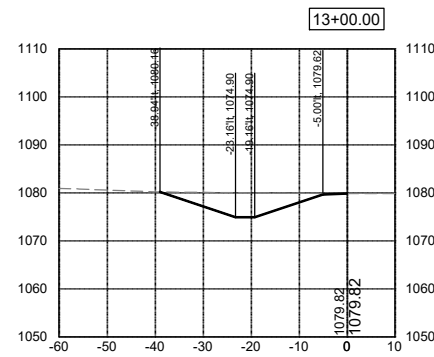
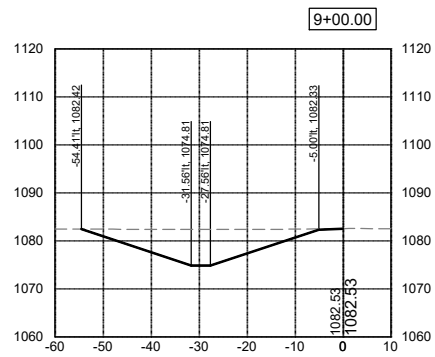
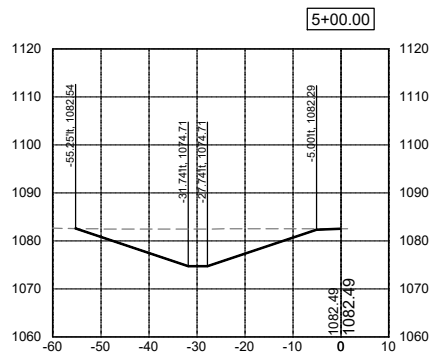
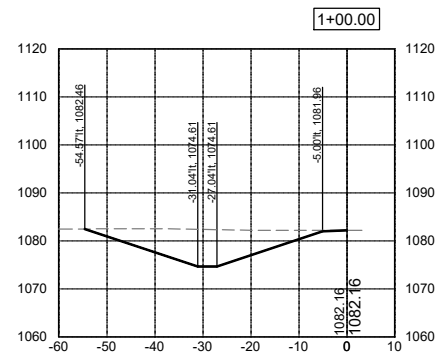
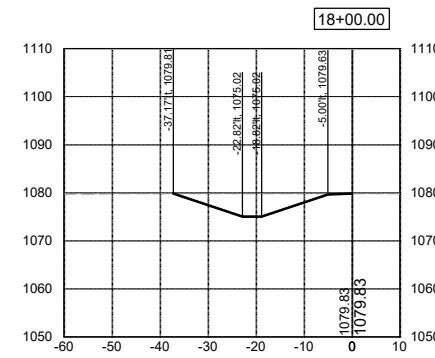
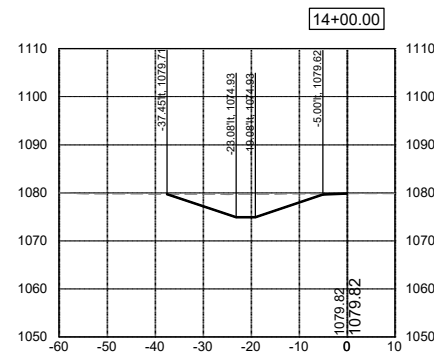
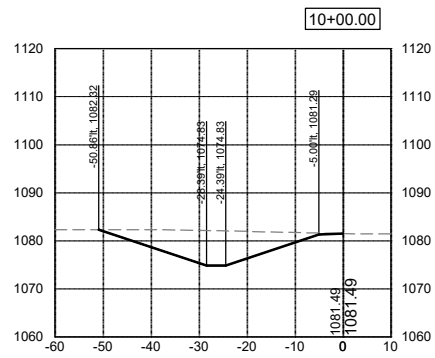
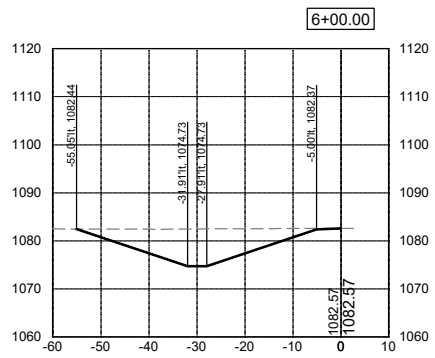
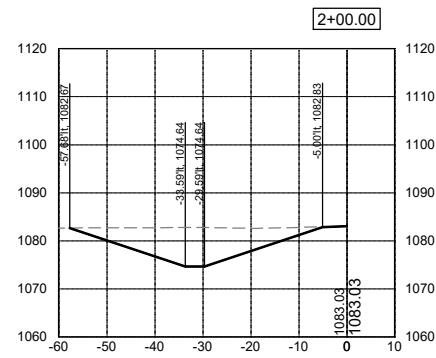
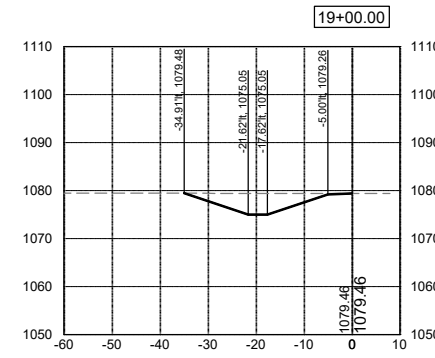
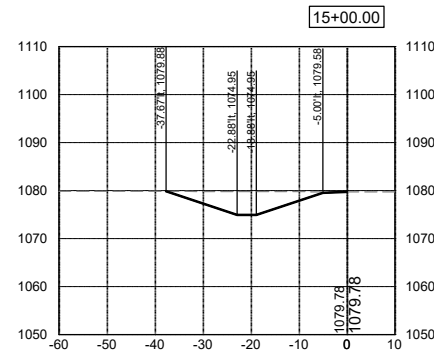
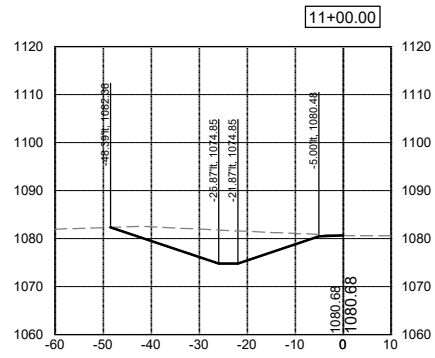
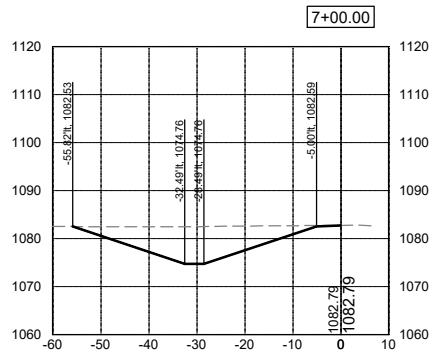
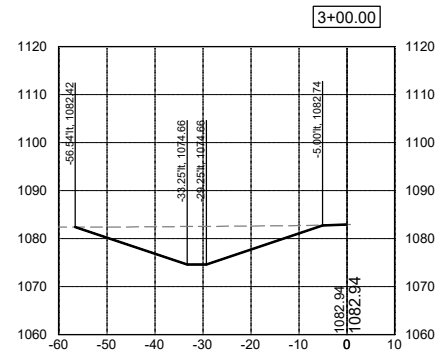
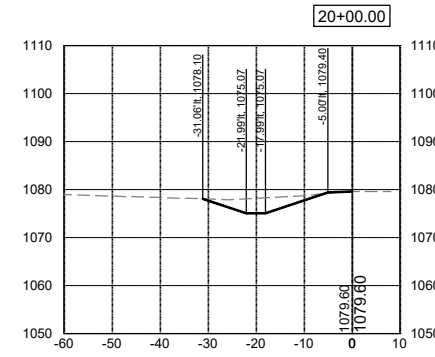
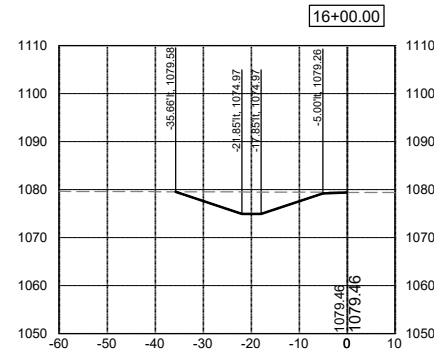
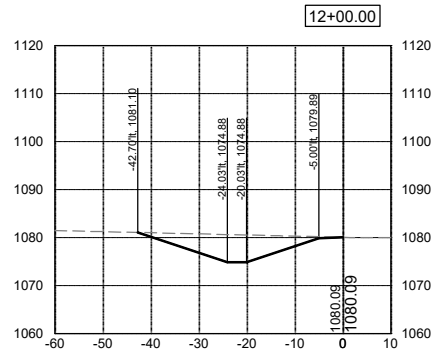
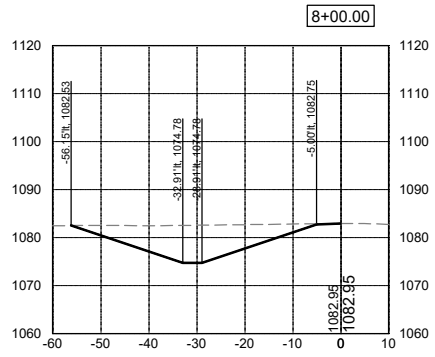
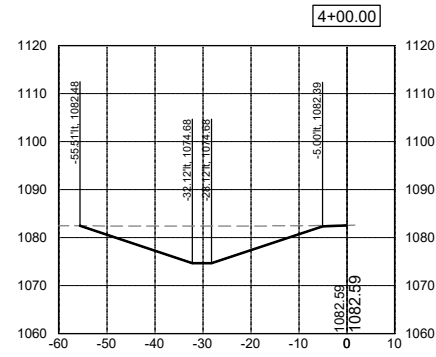
SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
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MAIN DITCH CROSS SECTIONS

DWG. NO.
W.20
PROJECT 15126



DATE	REVISIONS

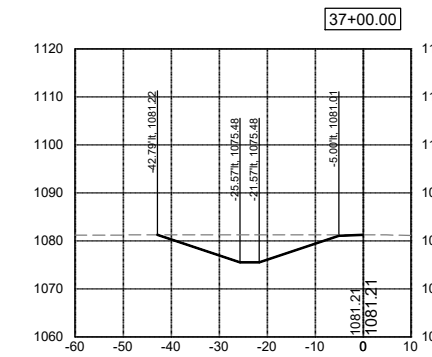
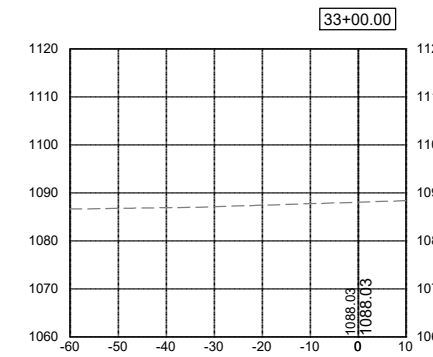
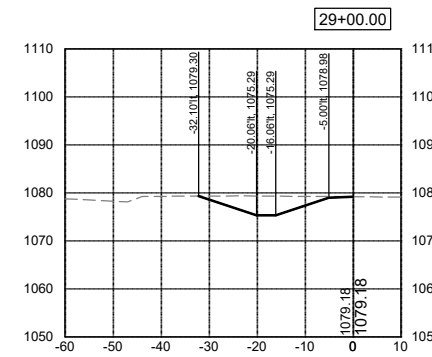
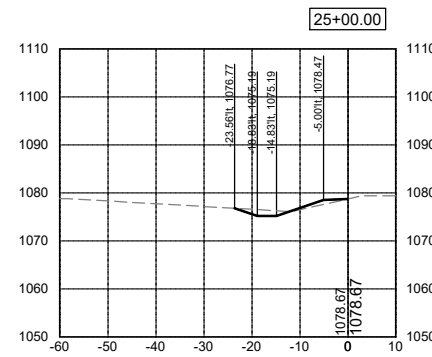
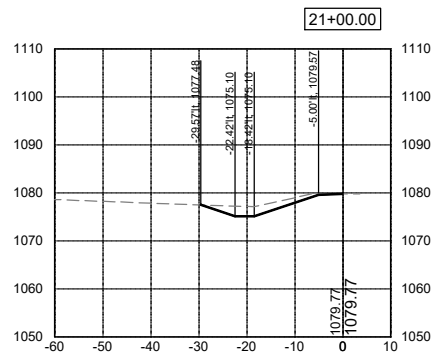
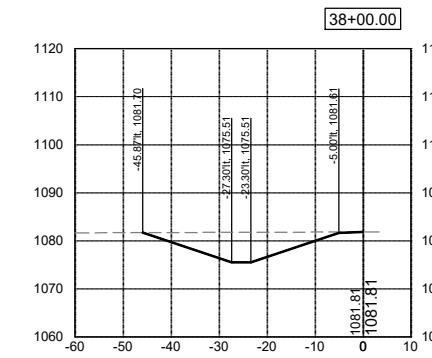
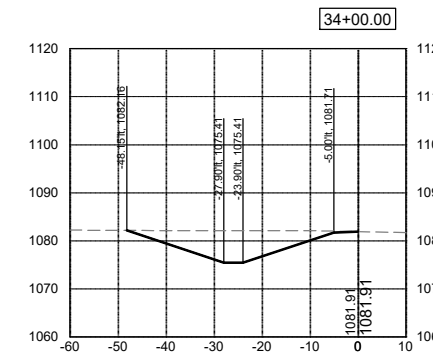
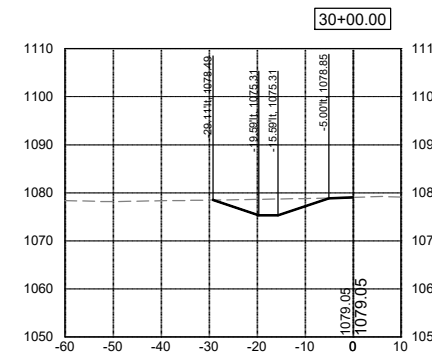
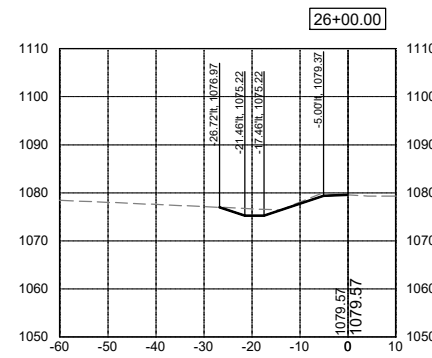
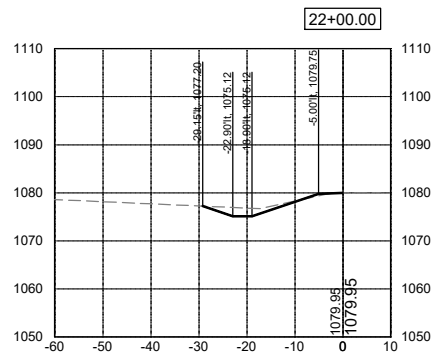
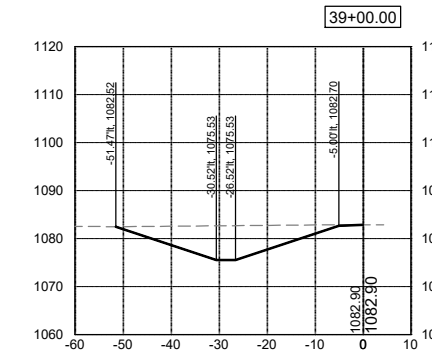
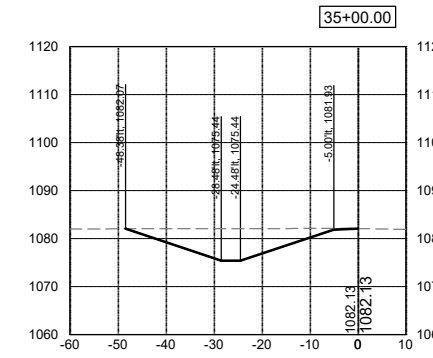
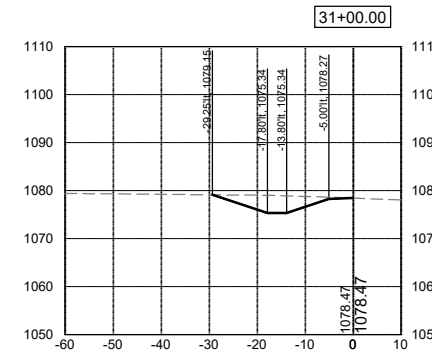
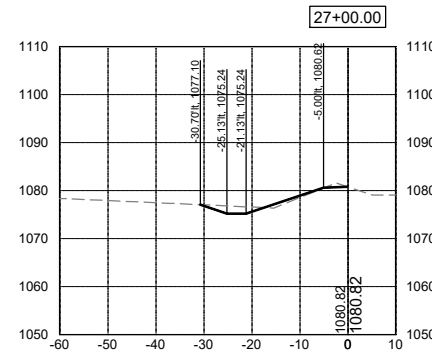
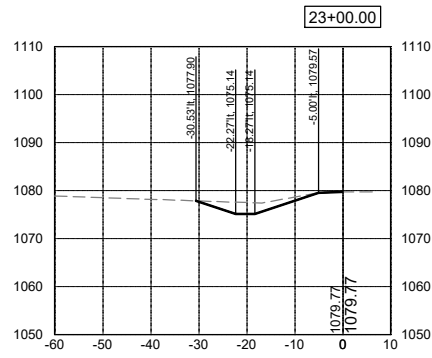
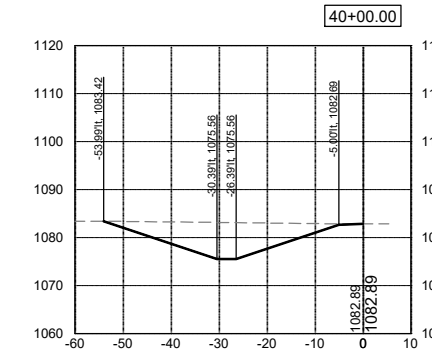
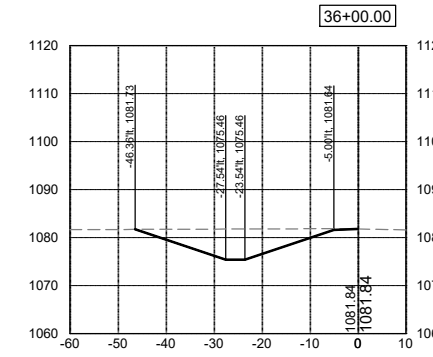
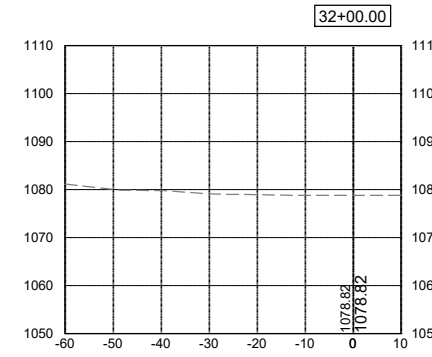
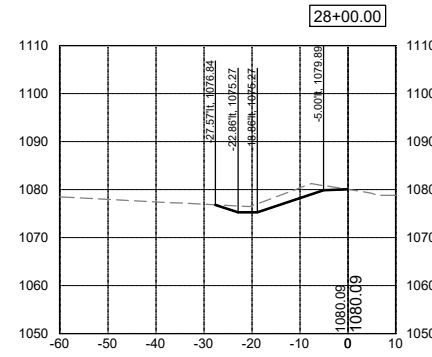
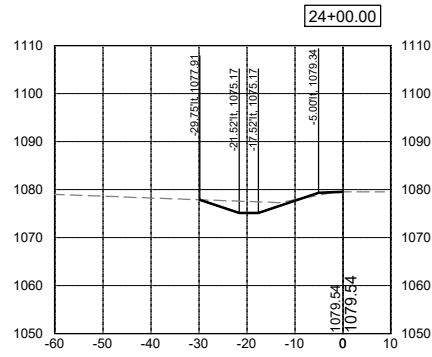
SCALE	AS NOTED
DRAWN	JWD
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**SALIX DRAINAGE DISTRICT**  
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**LATERAL 1 CROSS SECTIONS**

DWG. NO.
W.21
PROJECT 15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
ISSUED FOR	REPORT



SALIX DRAINAGE DISTRICT  
WOODBURY COUNTY, IOWA

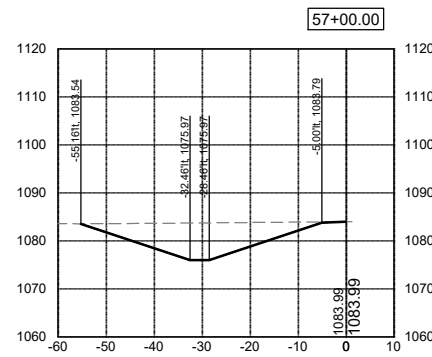
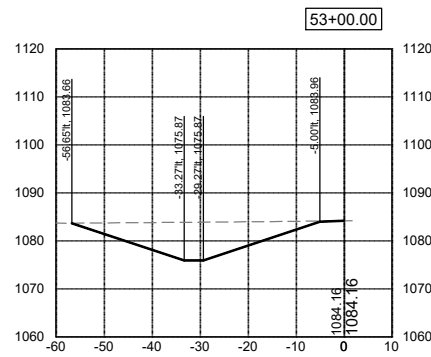
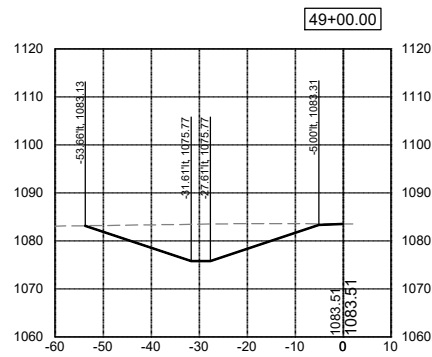
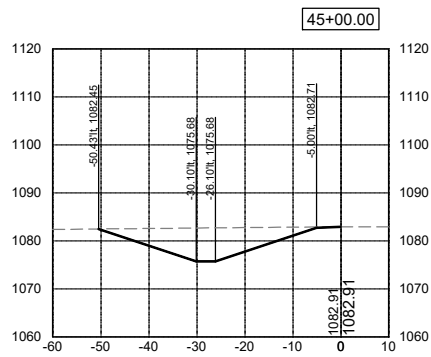
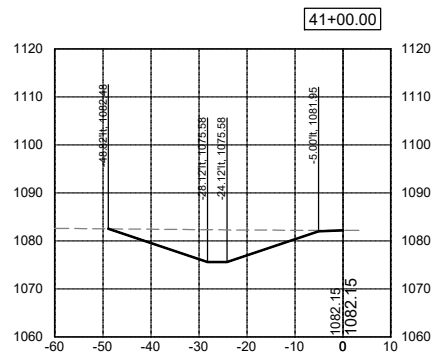
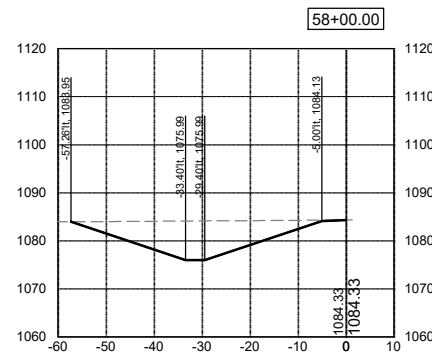
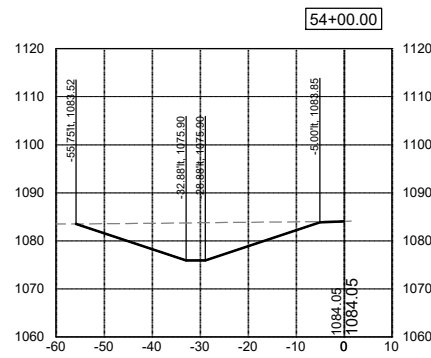
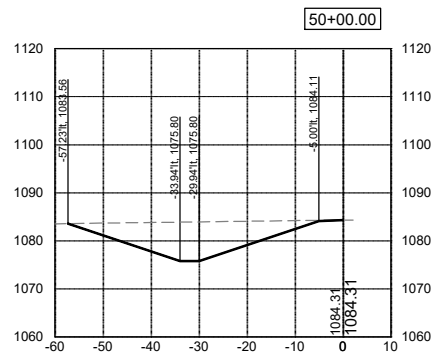
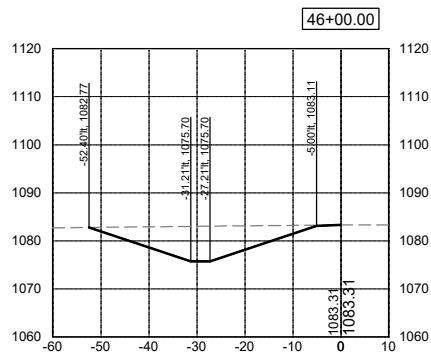
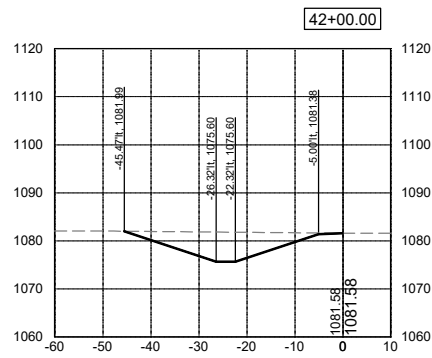
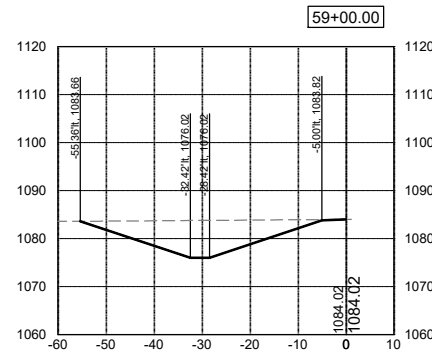
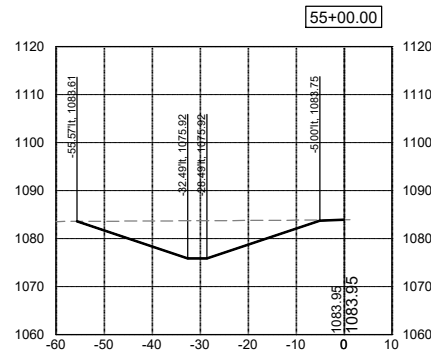
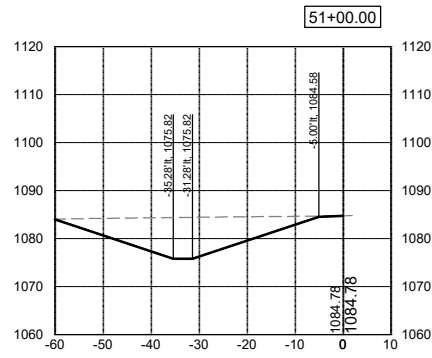
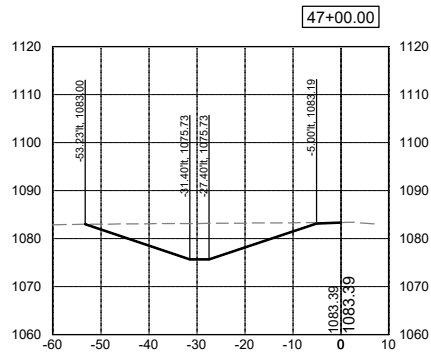
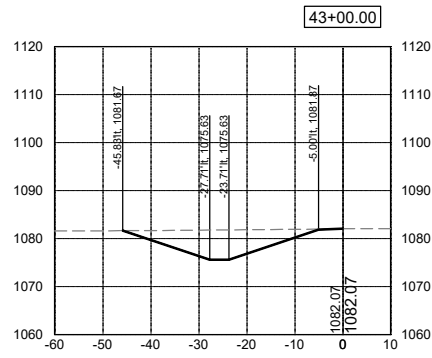
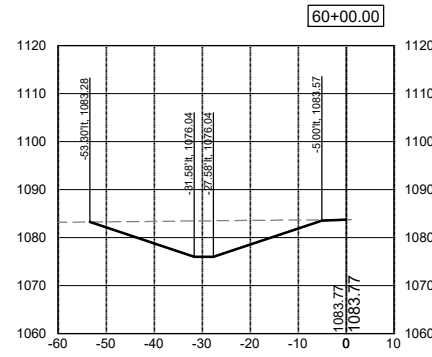
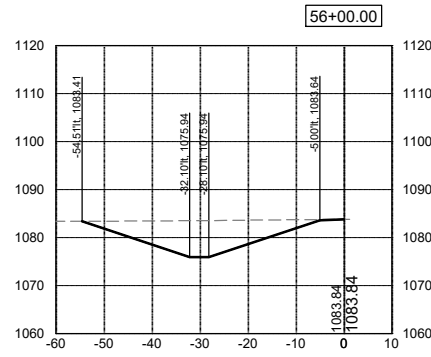
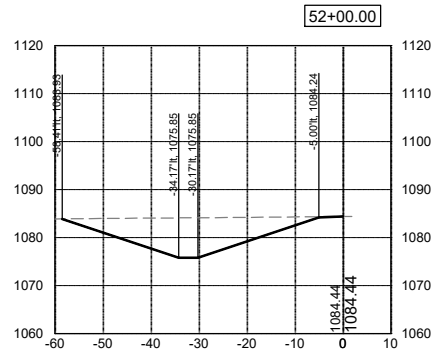
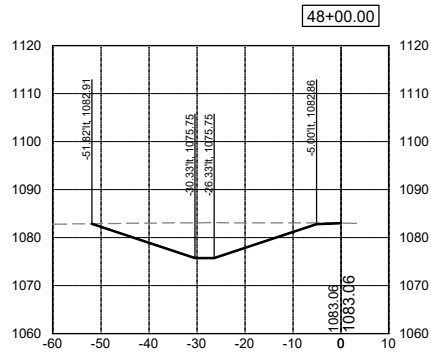
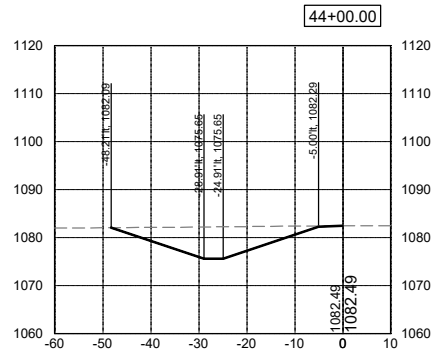
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LATERAL 1 CROSS SECTIONS

DWG. NO.

W.22

PROJECT 15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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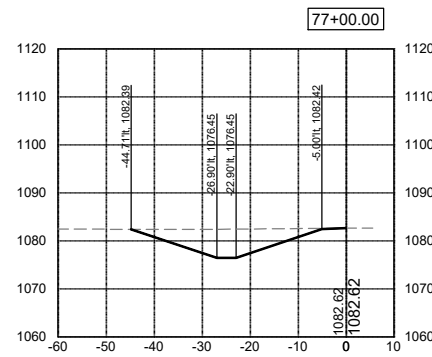
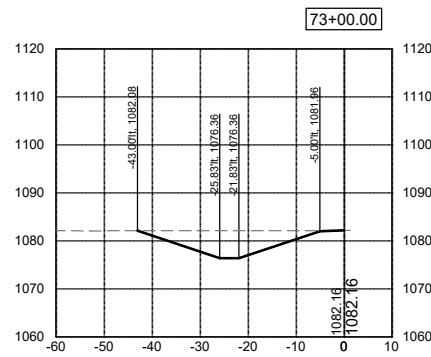
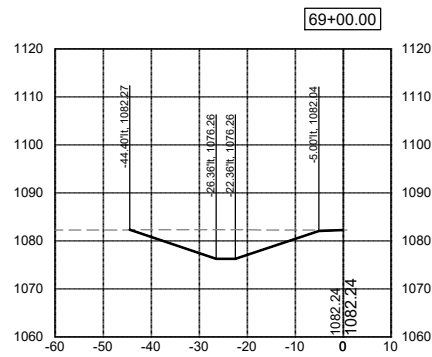
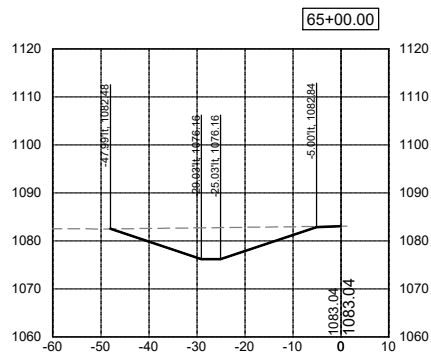
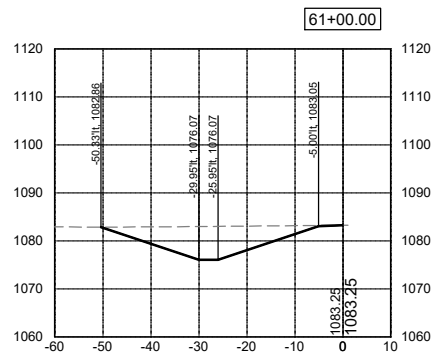
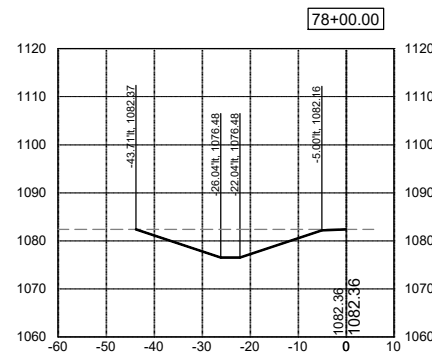
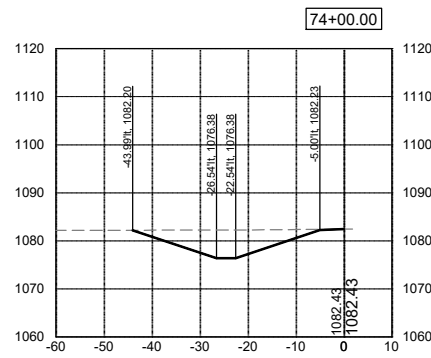
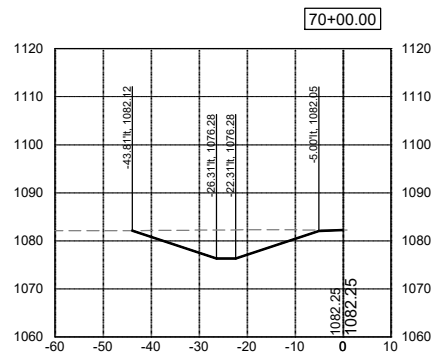
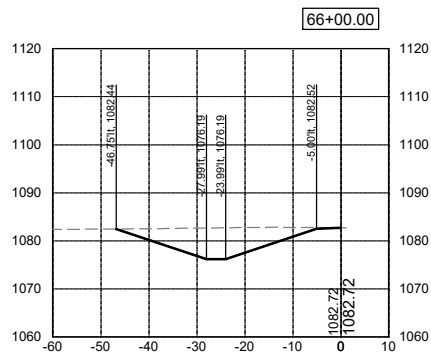
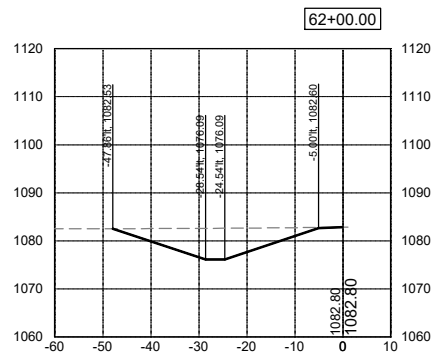
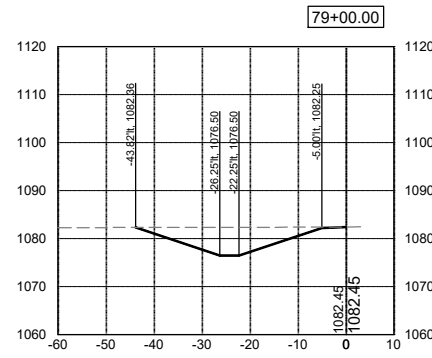
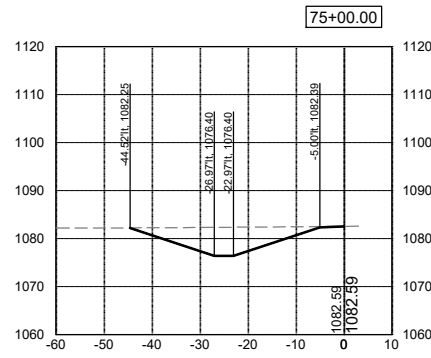
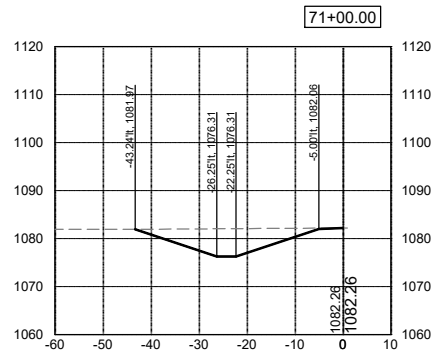
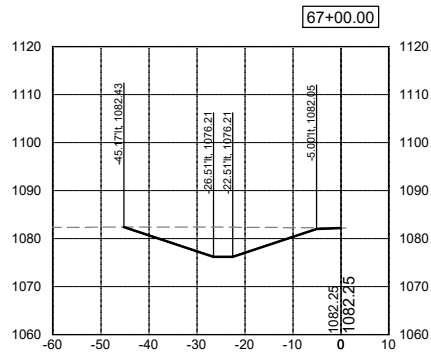
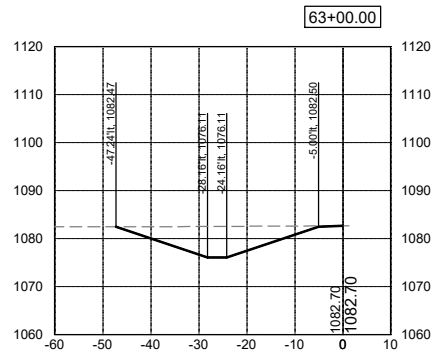
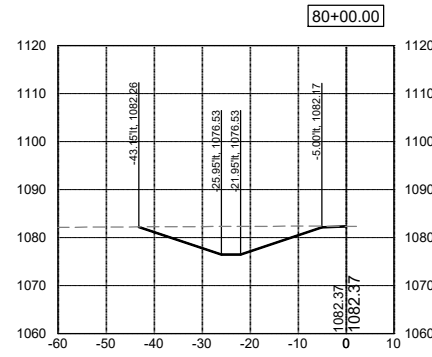
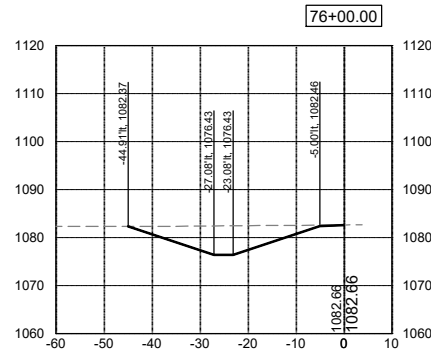
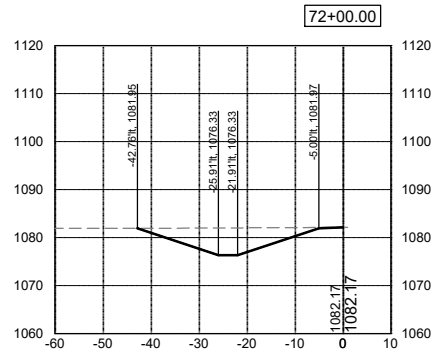
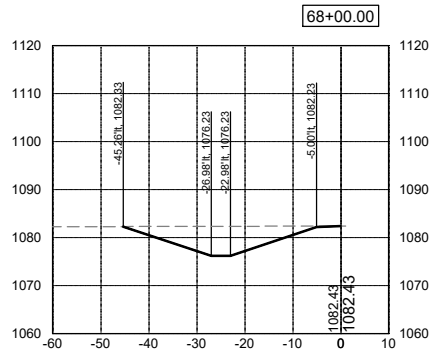
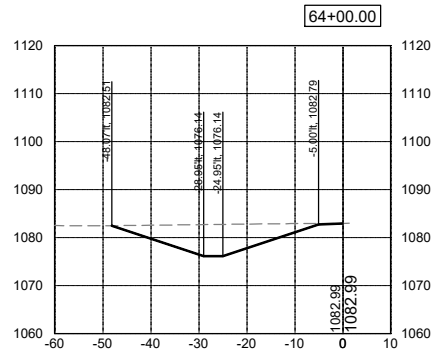


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LATERAL 1 CROSS SECTIONS

DWG. NO.	W.23
PROJECT	15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
DATE	09-12-2023
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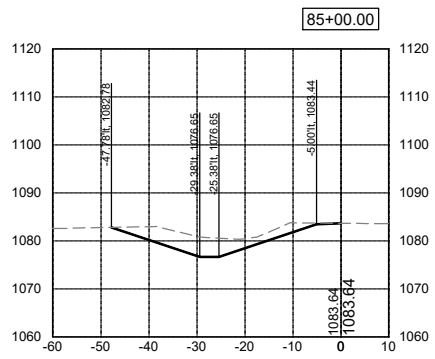
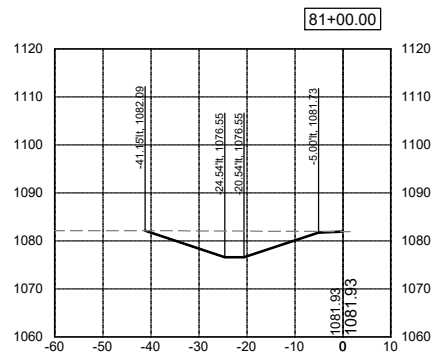
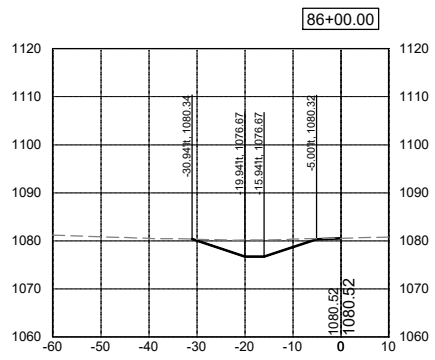
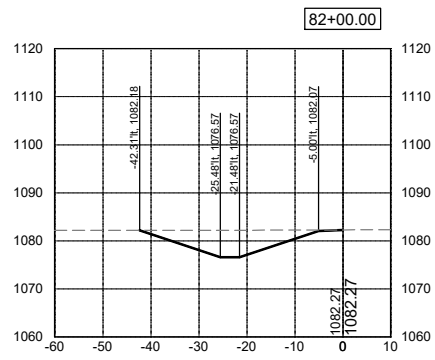
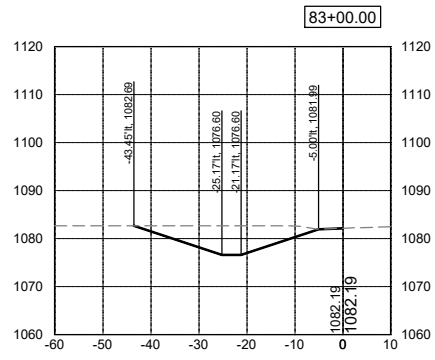
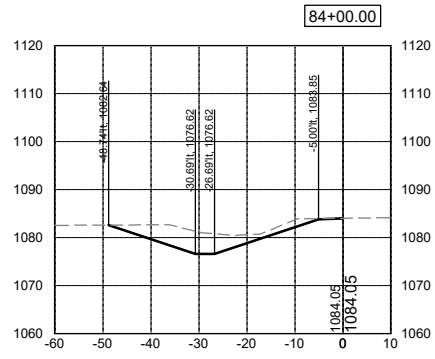


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LATERAL 1 CROSS SECTIONS

DWG. NO.
W.24
PROJECT
15126



DATE	REVISIONS

SCALE	AS NOTED
DRAWN	JWD
CHECKED	PEM
APPROVED	PEM
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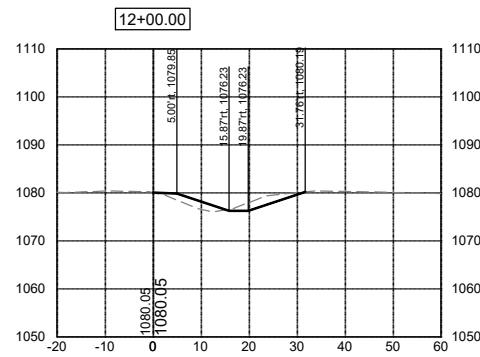
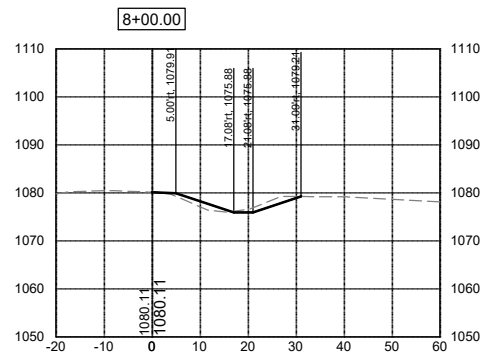
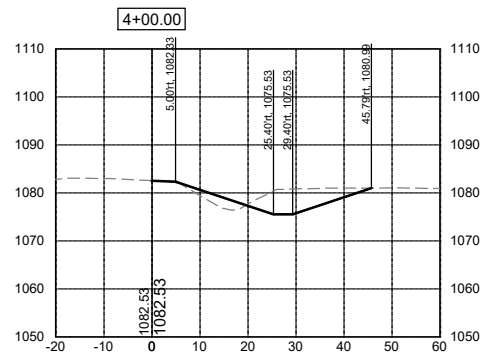
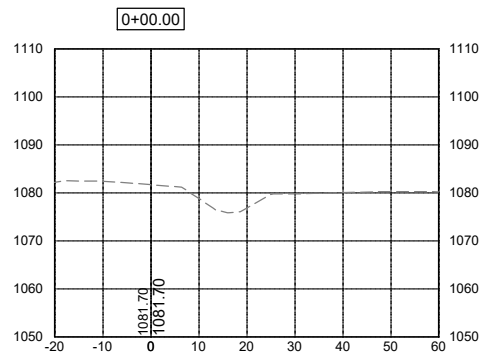
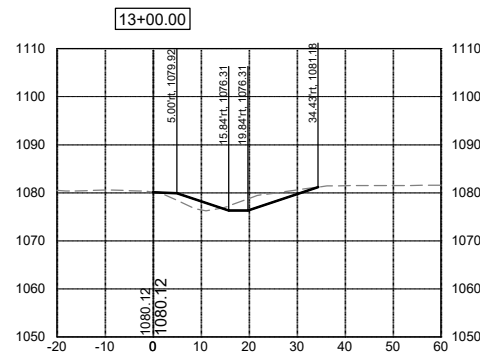
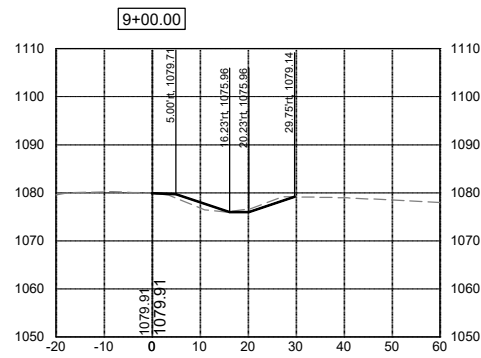
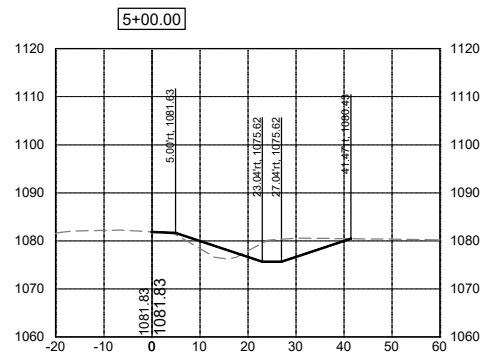
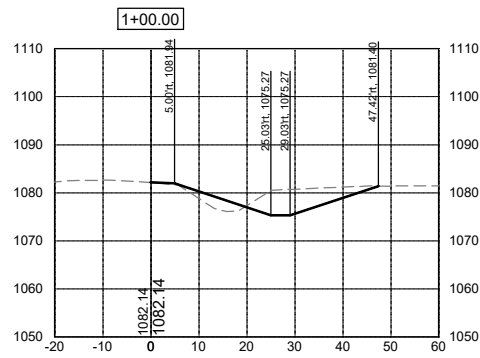
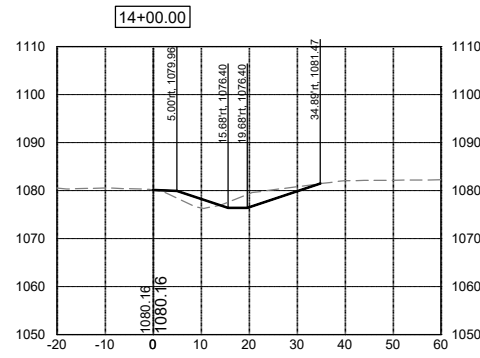
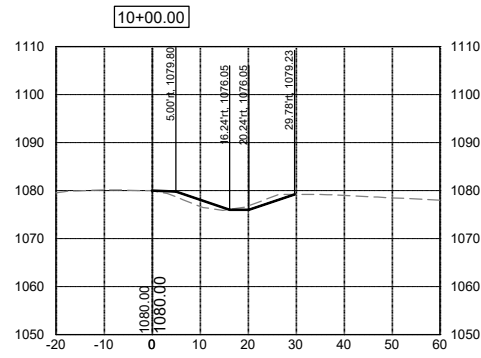
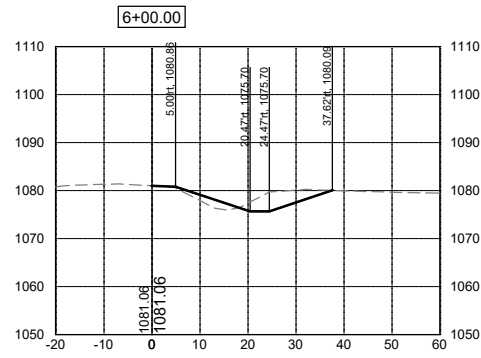
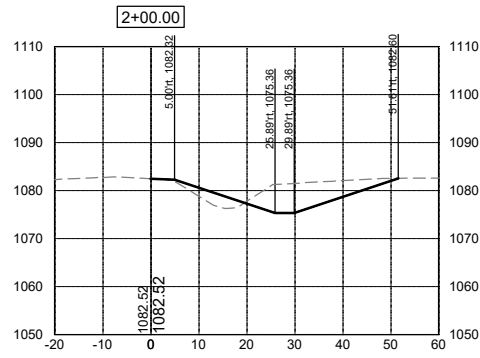
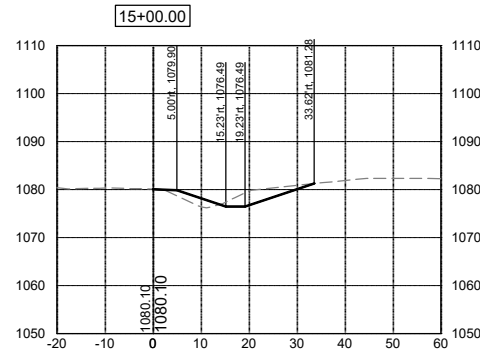
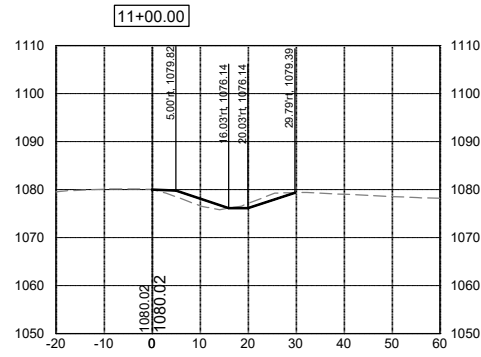
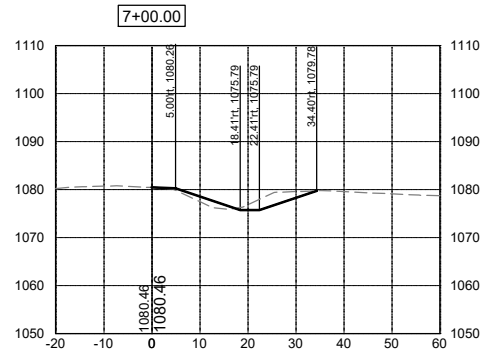
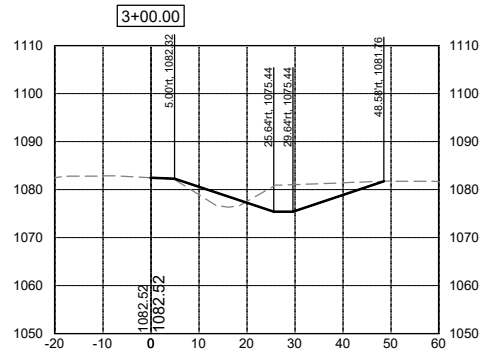
SALIX DRAINAGE DISTRICT  
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LATERAL 1 CROSS SECTIONS

DWG. NO.
W.25
PROJECT 15126





DATE	REVISIONS

SCALE	AS NOTED
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SALIX DRAINAGE DISTRICT  
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LATERAL 2 CROSS SECTIONS

DWG. NO.	W.30
PROJECT	15126

PLOTTED: Monday, November 20, 2023 2:45:14 PM

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DATE		REVISIONS		SCALE	AS NOTED		SALIX DRAINAGE DISTRICT WOODBURY COUNTY, IOWA <small>203 Sergeant Square Dr. - Suite B • Sergeant Bluff, Iowa 51054-0220          712-943-5055 • 712-943-5088(FAX) • 877-241-8009(WATS)</small>	LATERAL 2 CROSS SECTIONS	DWG. NO.
				DRAWN	JWD				W.31
				CHECKED	PEM				
				APPROVED	PEM				
				DATE	09-12-2023				
				ISSUED FOR	REPORT	PROJECT	15126		