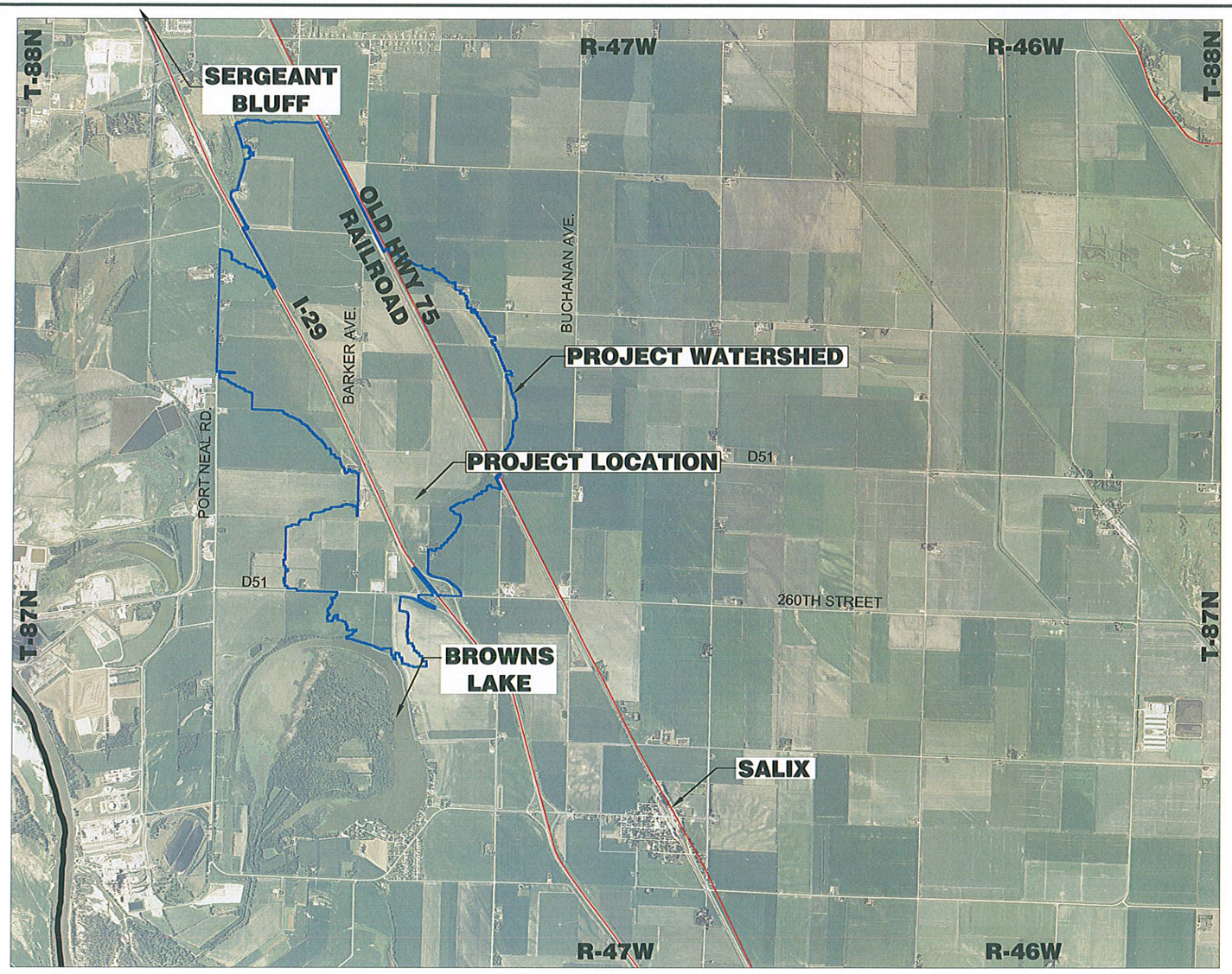
# ORTON SLOUGH DRAINAGE DISTRICT
# PROPOSED IMPROVEMENTS
# WOODBURY COUNTY, IOWA
# 2014

**WOODBURY COUNTY, IOWA**

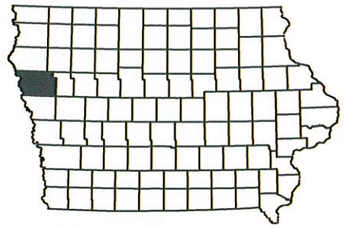
**I&S PROJECT NO. 13-16118**



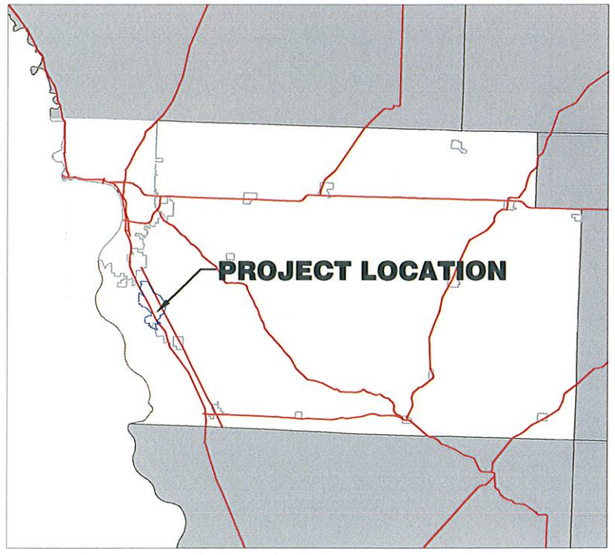

**AERIAL LOCATION MAP**
NOT TO SCALE

**INDEX OF SHEETS**


A.01 TITLE PAGE
A.02 DISTRICT PLAT
A.03 LANDOWNER PLAT
A.04 OPTIONS MAP
A.05 PROPOSED OPEN DITCH WATER QUALITY MEASURES
A.06 DETAILS
D.01-D.05 PLAN & PROFILE
X.01-X.07 CROSS SECTIONS

**STATE MAP**
NOT TO SCALE




**COUNTY LOCATION MAP**
NOT TO SCALE

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PROJECT

**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

REVISION SCHEDULE

| NO | DATE | DESCRIPTION |
|---|---|---|
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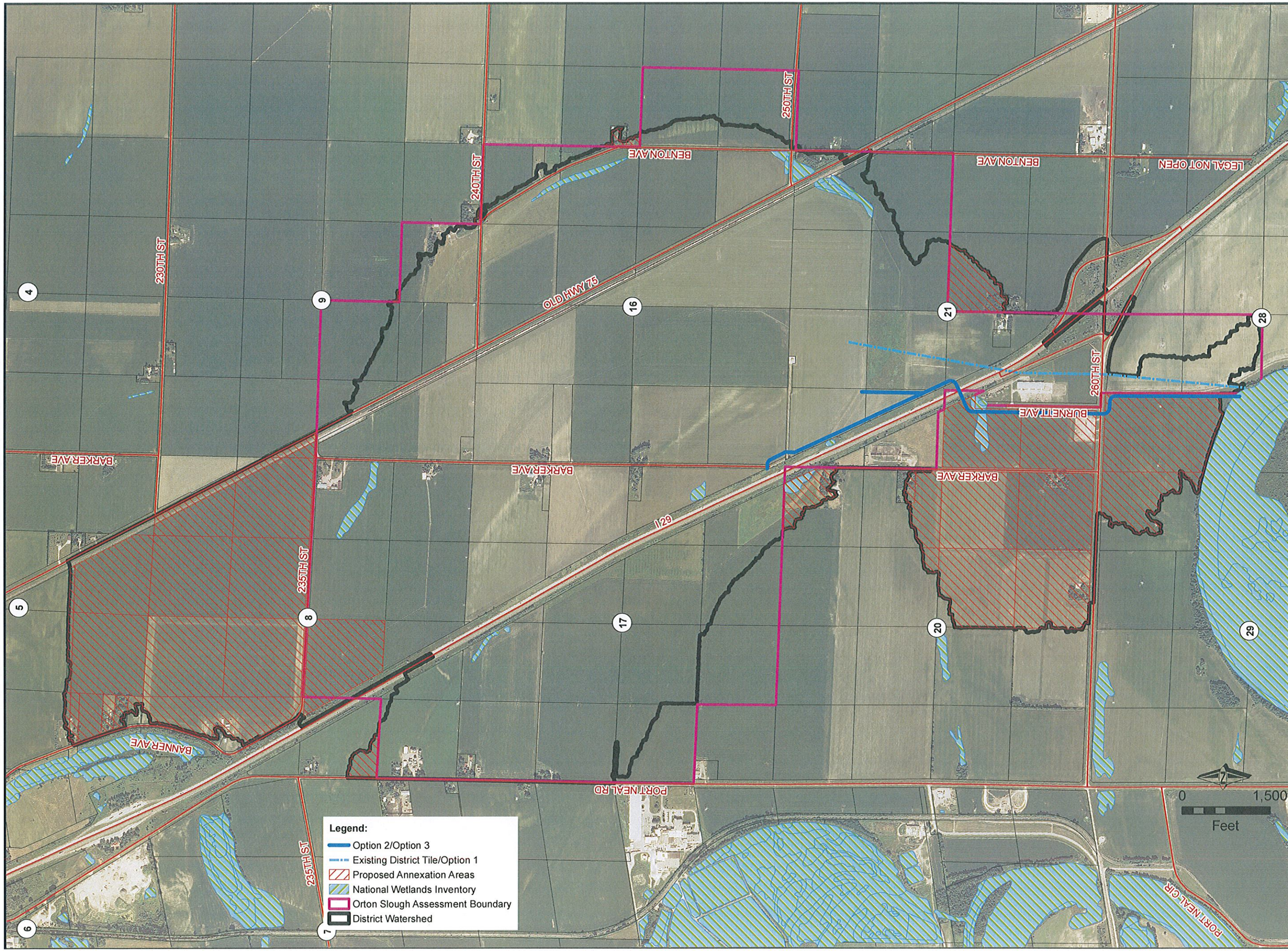
|---|---|
| PROJECT NO. | 13-16118 |
| FILE NAME | 16188 TITLE SHEET |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

TITLE

**TITLE SHEET**

SHEET

**A.01**

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**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

Revision Schedule

| Mark | Date | |
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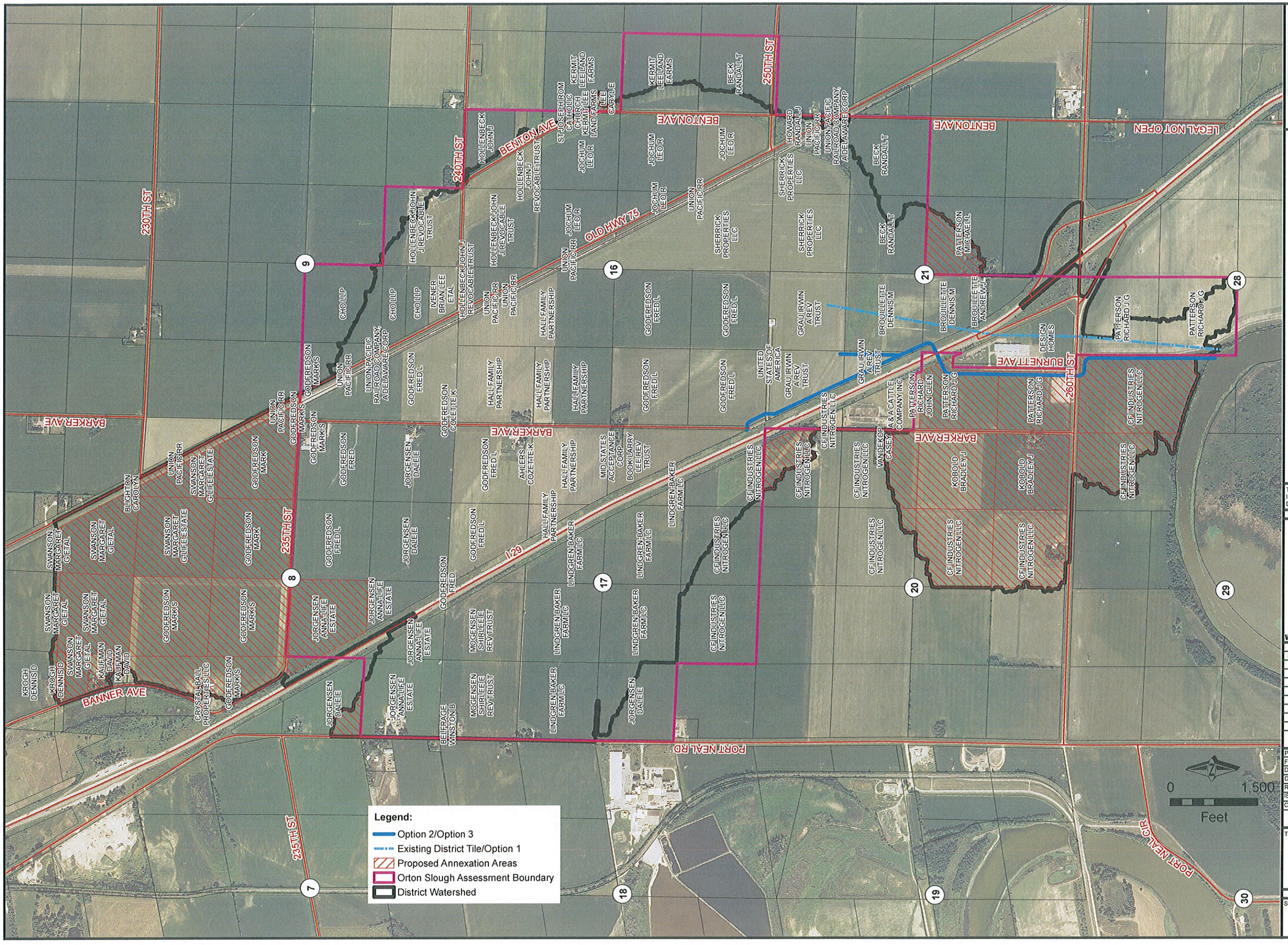
| PROJECT NO. | 13-16118 |
| FILE NAME | A.02-DISTRICT PLAT |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

TITLE

**DISTRICT PLAT**

SHEET

**A.02**

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WOODBURY COUNTY IOWA

Revision Schedule

| Mark | Date | |
|---|---|---|
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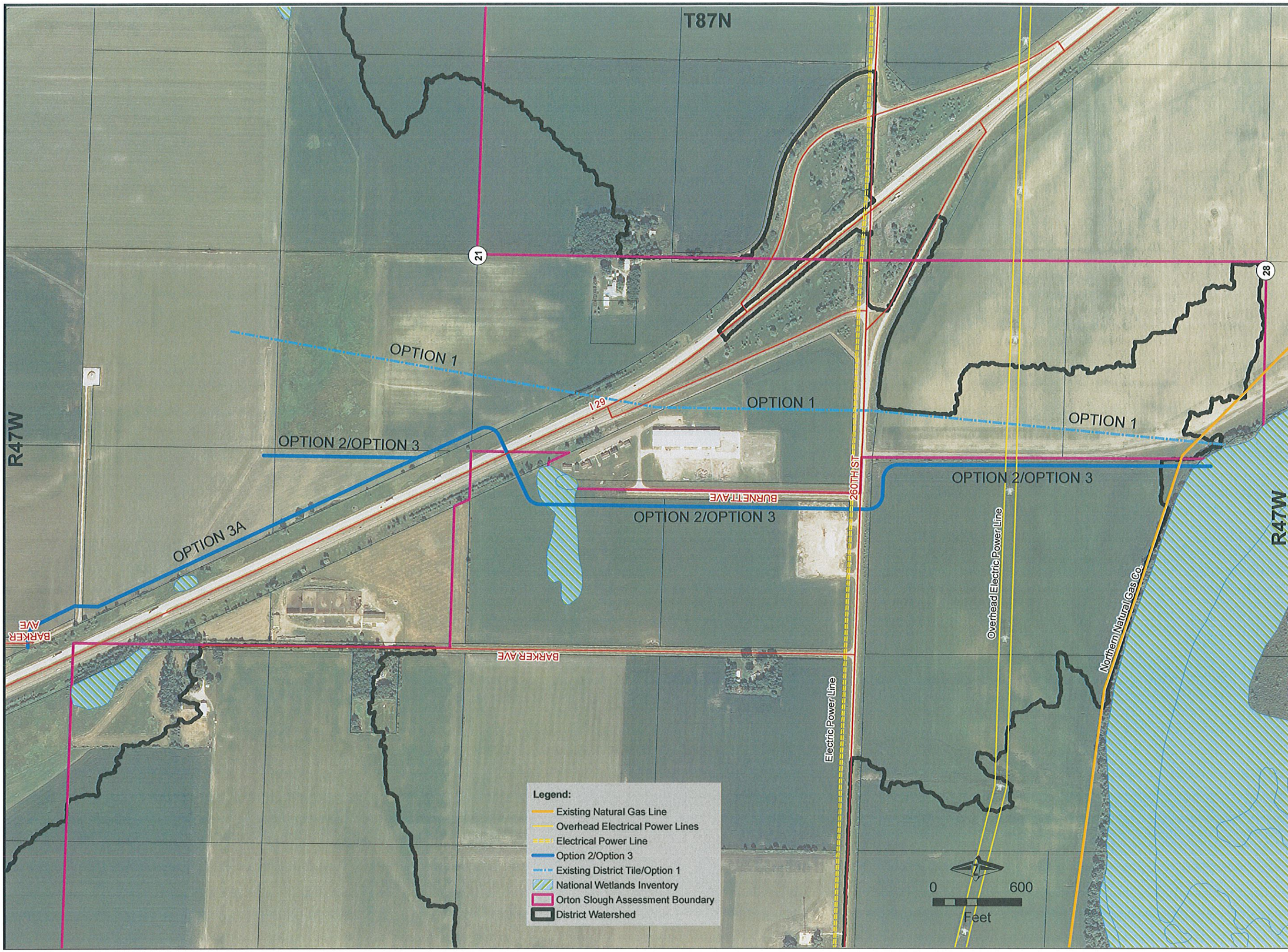
|---|---|
| PROJECT NO. | 13-16118 |
| FILE NAME | A.03-LANDOWNER PLAT |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

TITLE

**LANDOWNER PLAT**

SHEET

**A.03**

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| REVIEWED BY | I. DROESSLER |
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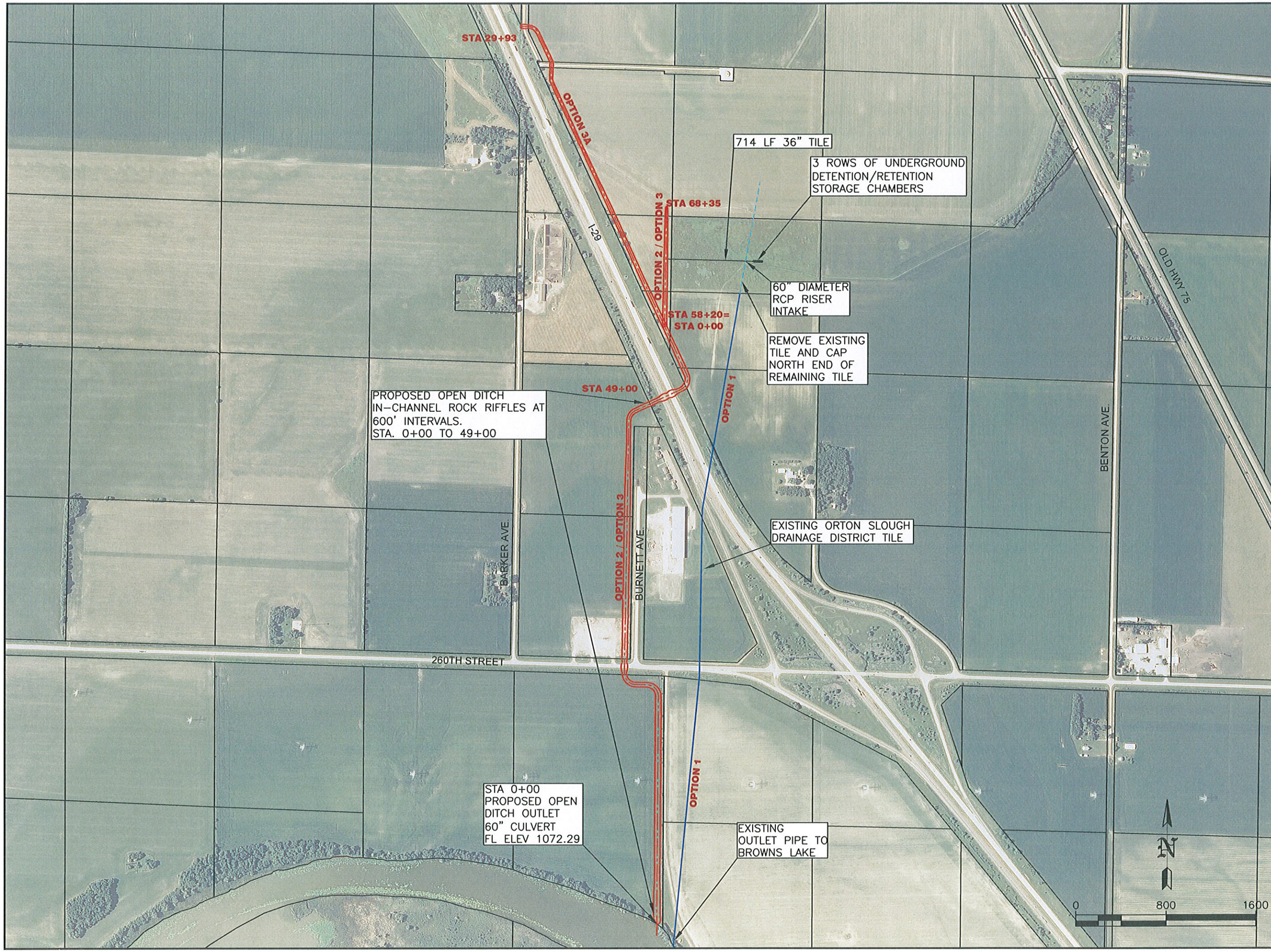
TITLE

**OPTIONS MAP**

SHEET

**A.04**

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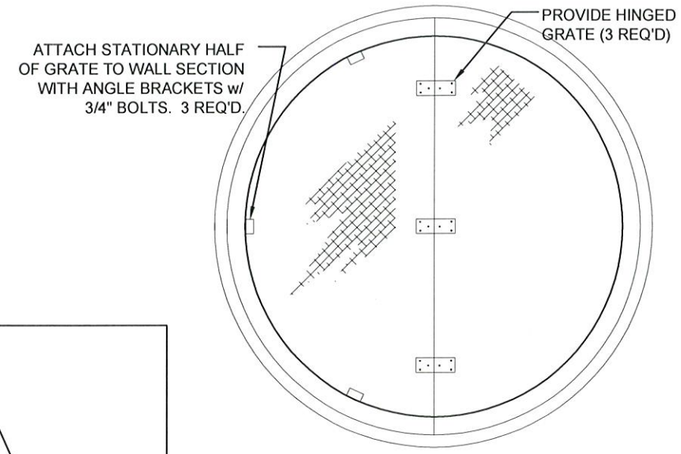
| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 WATER QUALITY MEASURES |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

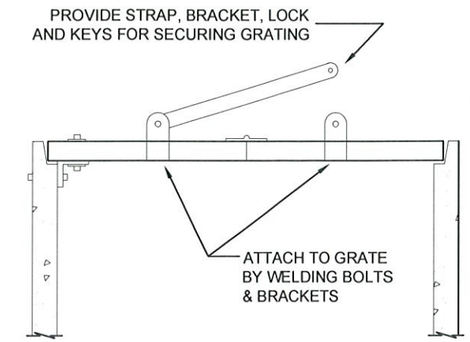
TITLE

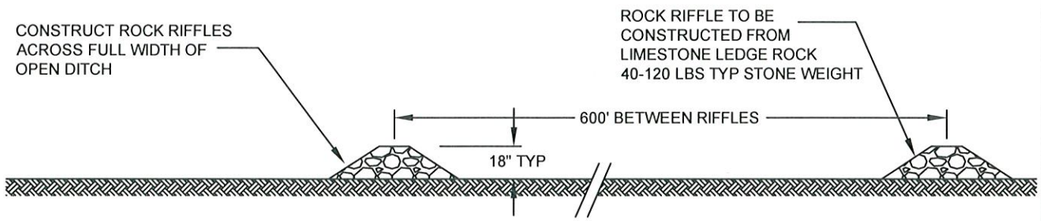
**PROPOSED OPEN DITCH WATER QUALITY MEASURES**

SHEET

**A.05**

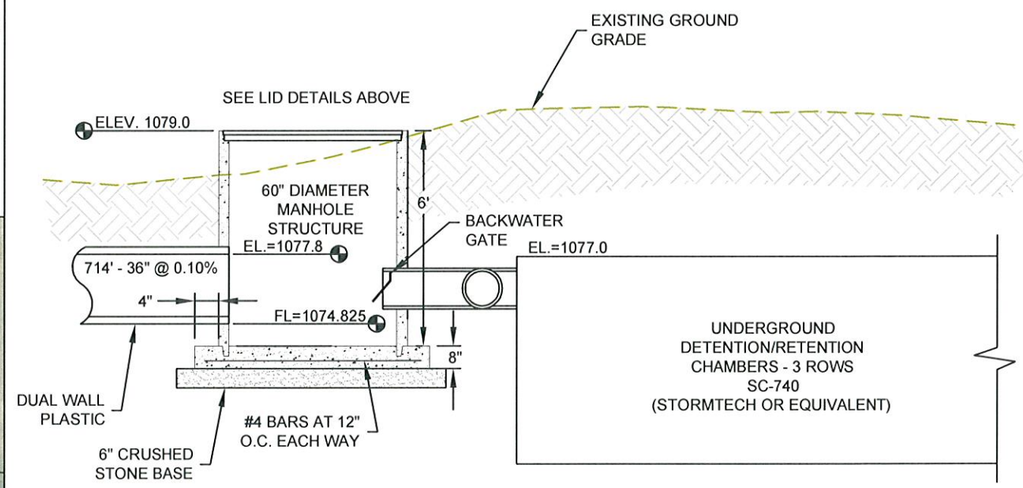


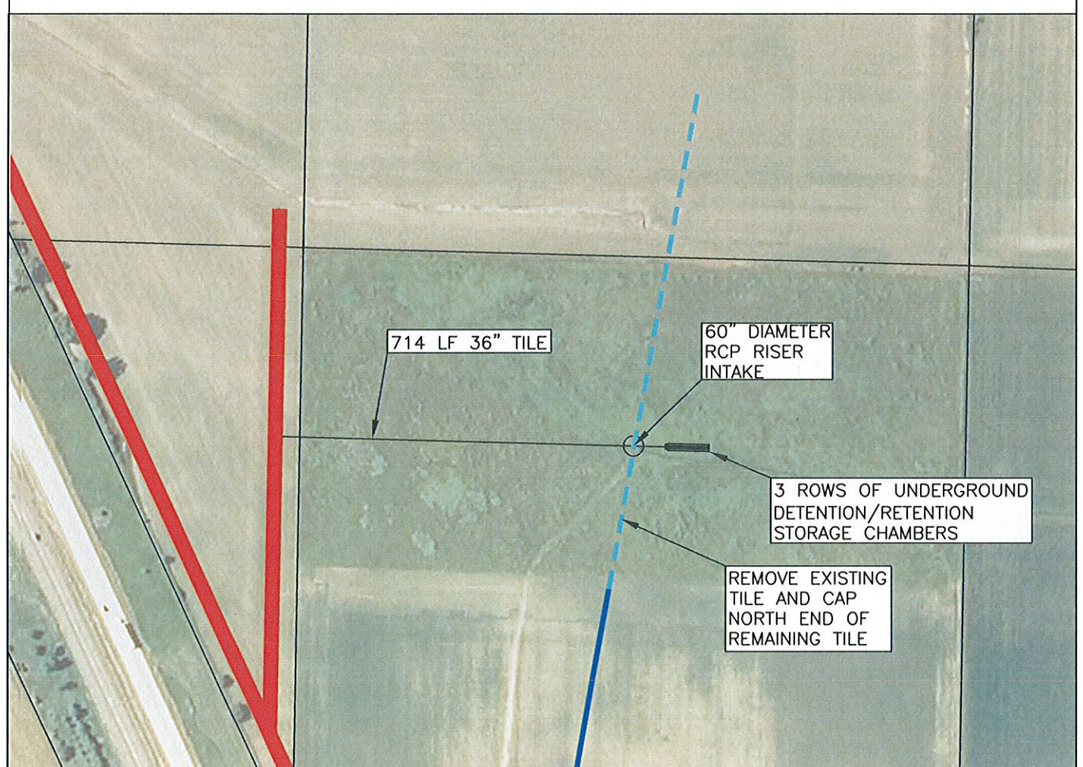



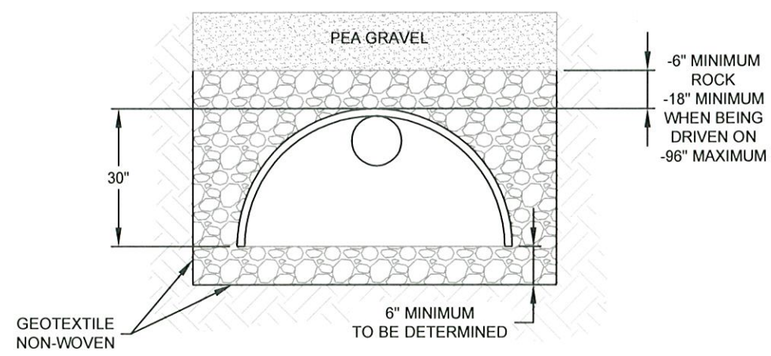

## IN-CHANNEL ROCK RIFFLE/POOL

**STA. 0+00 TO 48+00**




## DETENTION/INFILTRATION BASIN




## RISER AND CHAMBER

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**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

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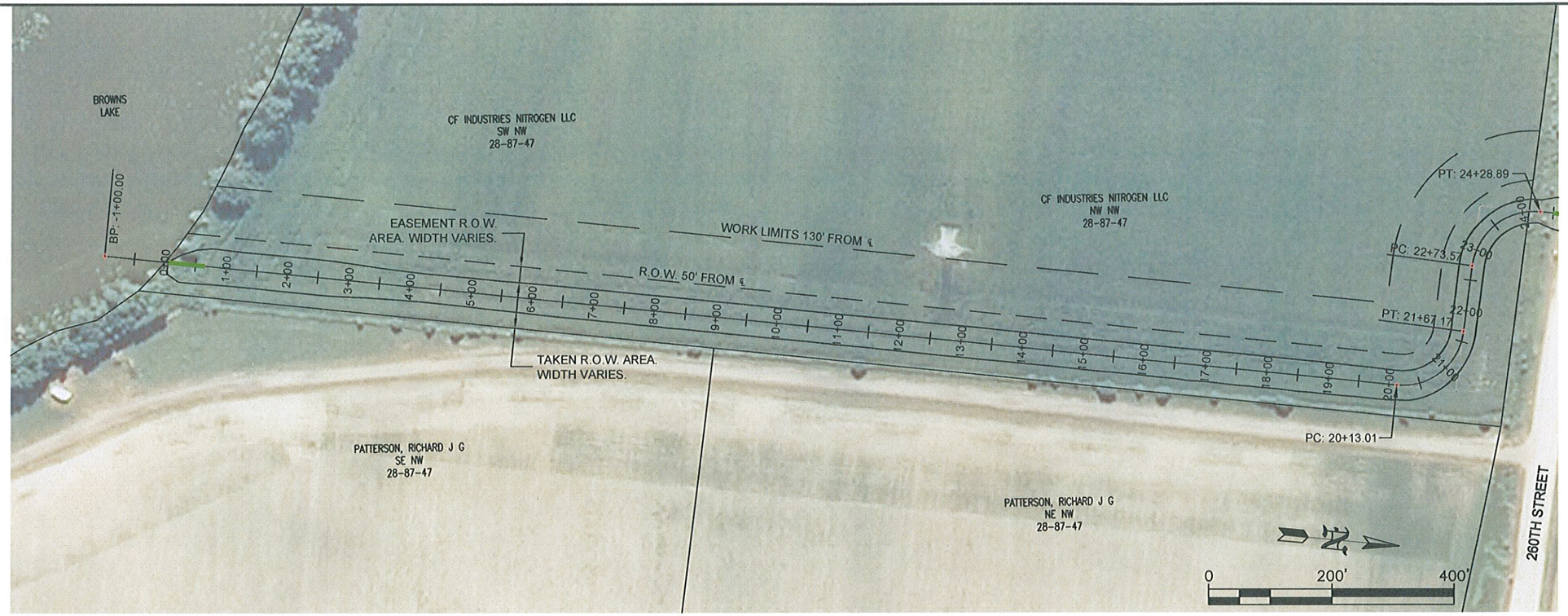
| PROJECT NO. | 13-16188 |
| FILE NAME | 16118 DETAILS |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

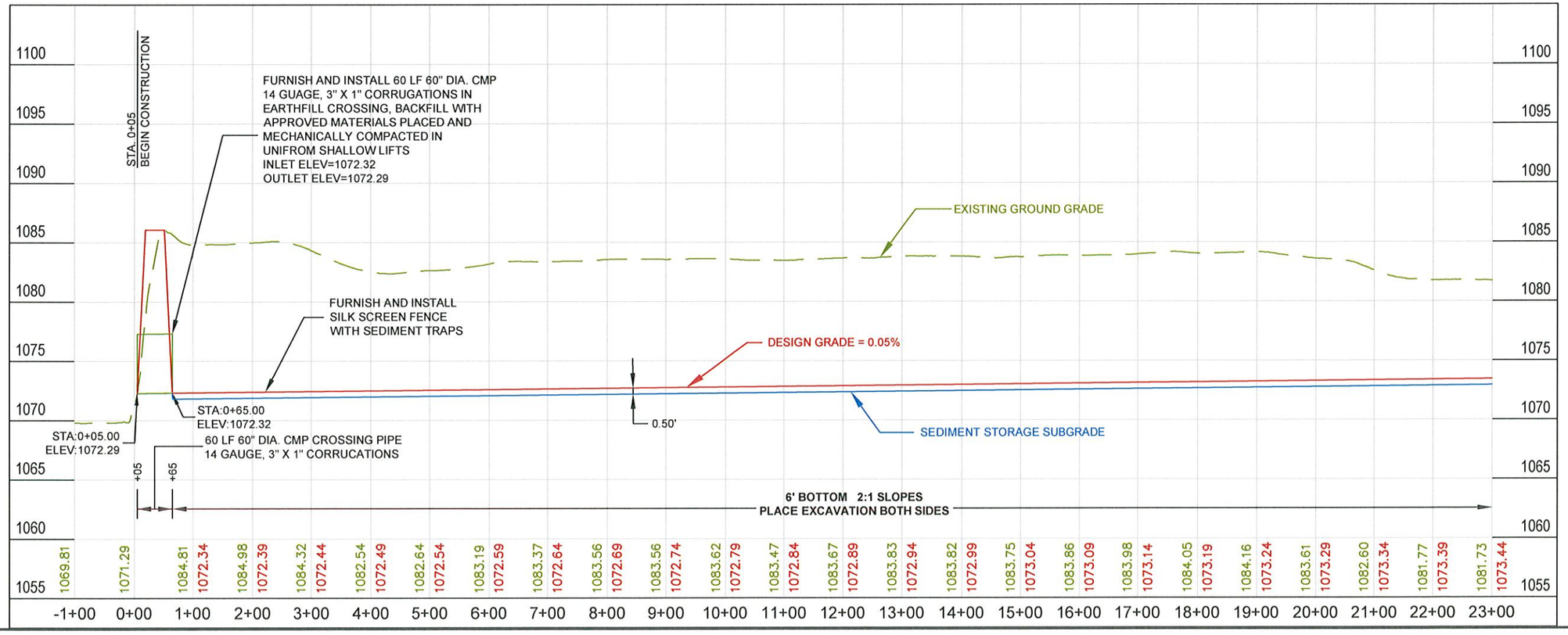
TITLE

**DETAILS**

SHEET

**A.06**

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**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

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| NO | DATE | DESCRIPTION |
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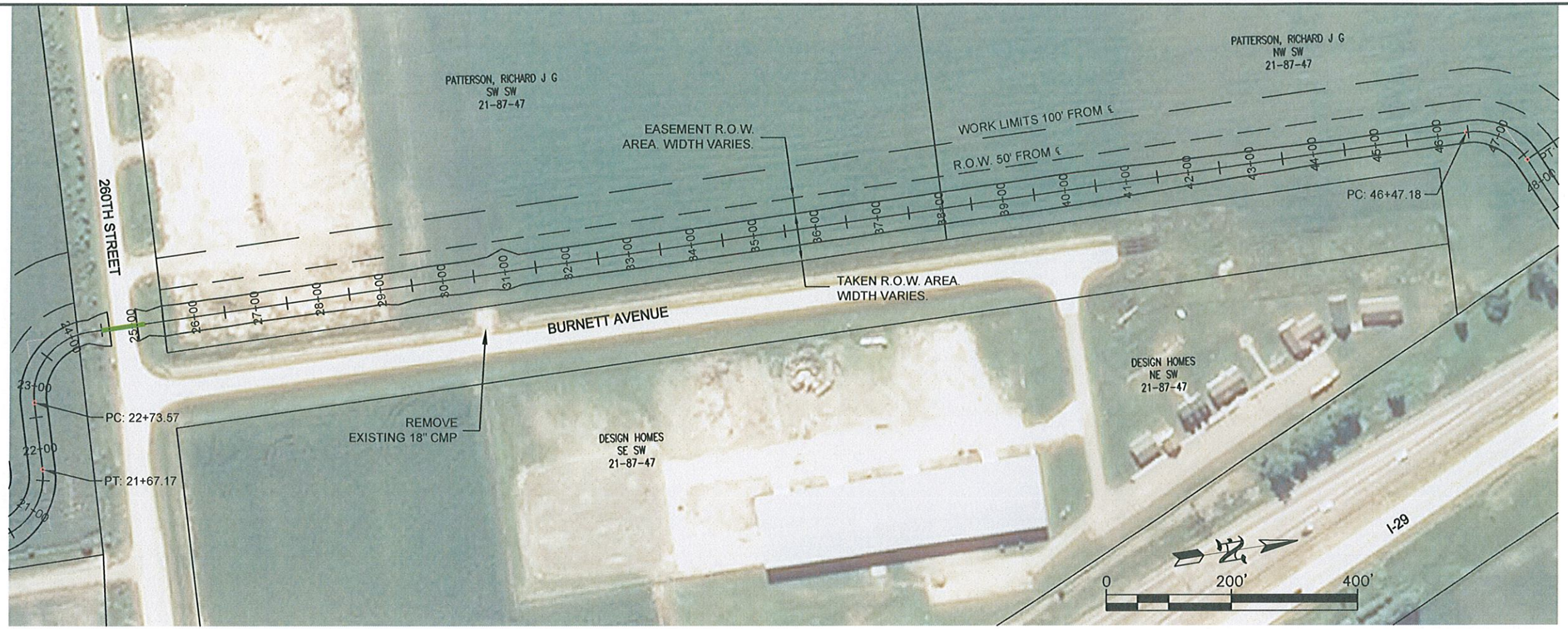
| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 PLANPROFILE |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

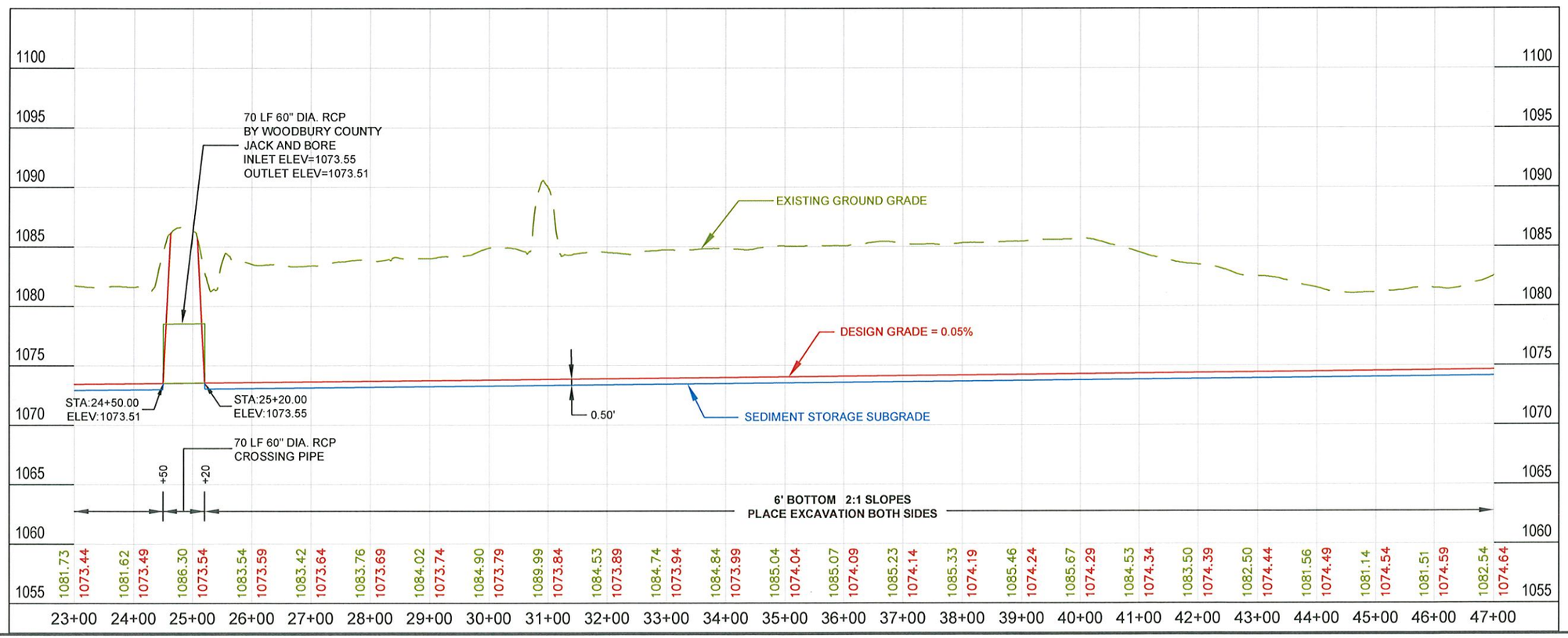
TITLE

**PLAN AND PROFILE MAIN OPEN DITCH**

SHEET

**D.01**

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**ORTON SLOUGH DRAINAGE DISTRICT**

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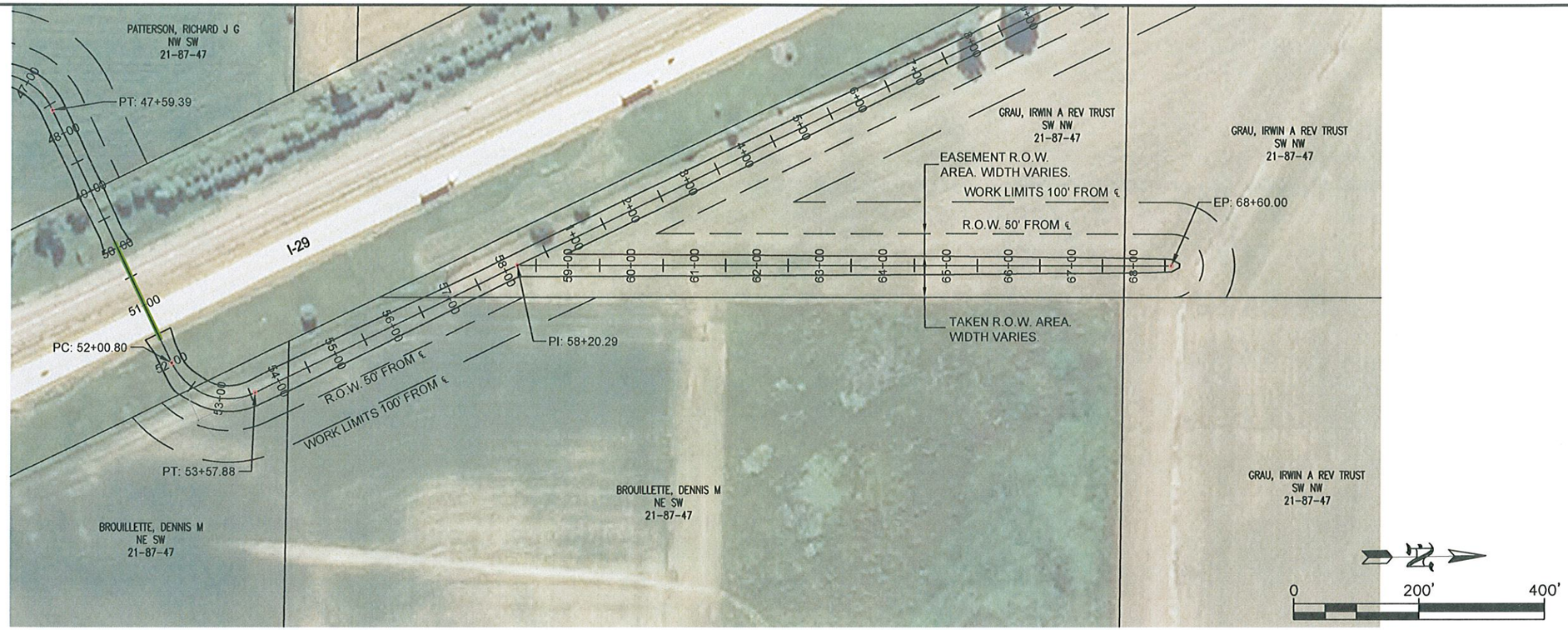
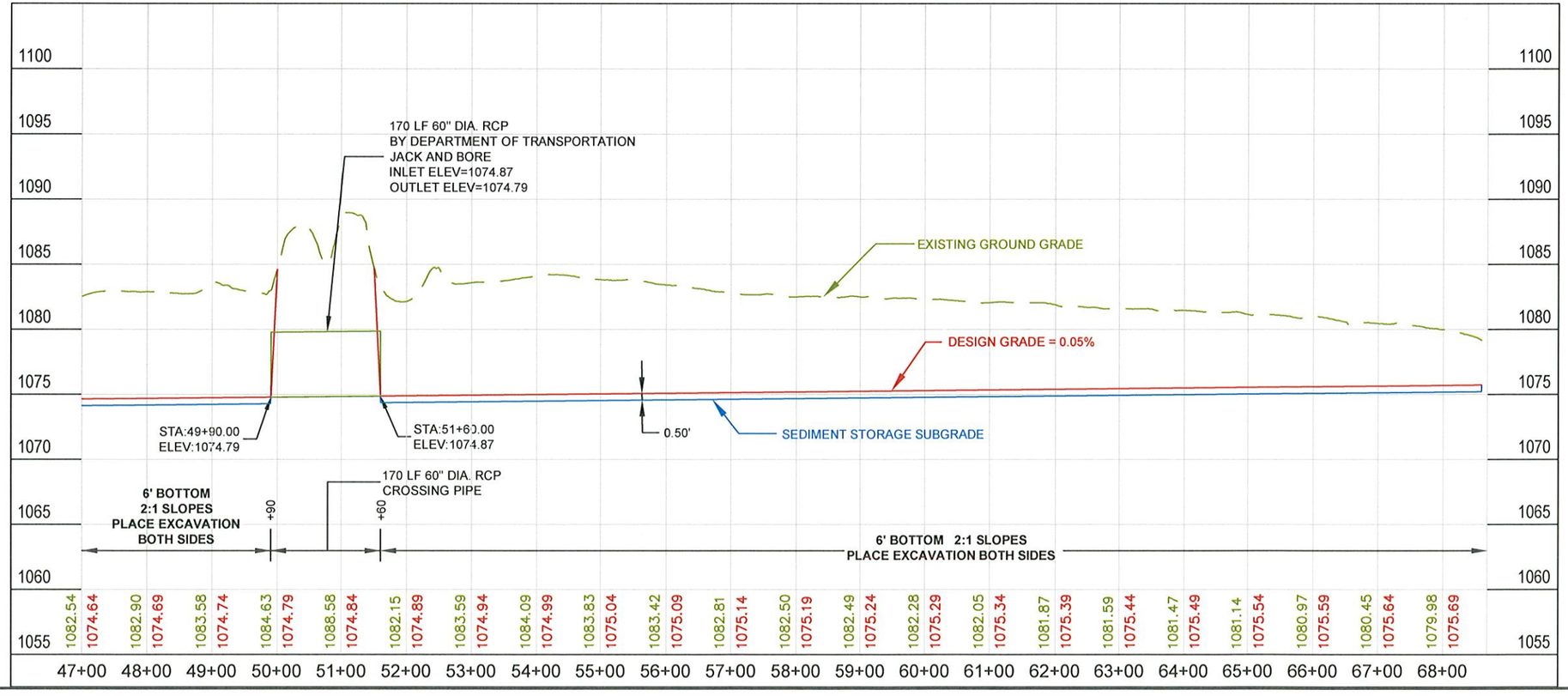
TITLE

**PLAN AND PROFILE MAIN OPEN DITCH**

SHEET

**D.02**

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**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

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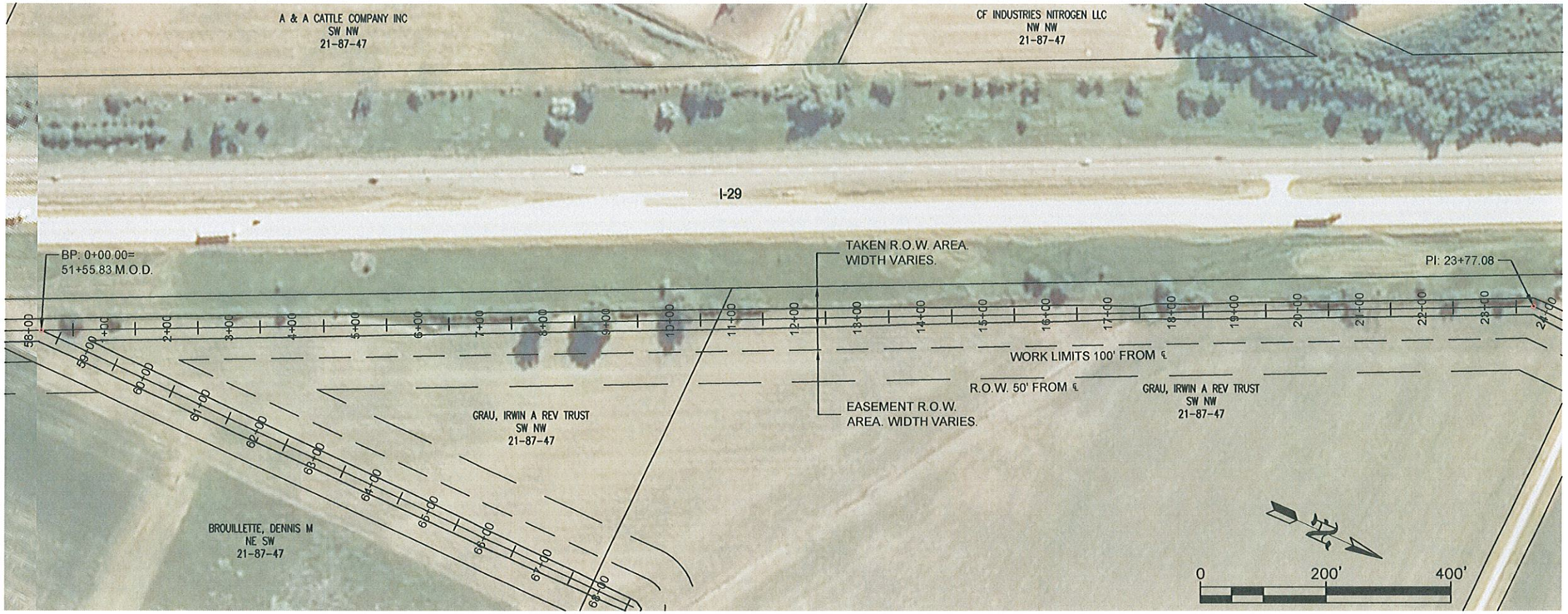
| FILE NAME | 16118 PLANPROFILE |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

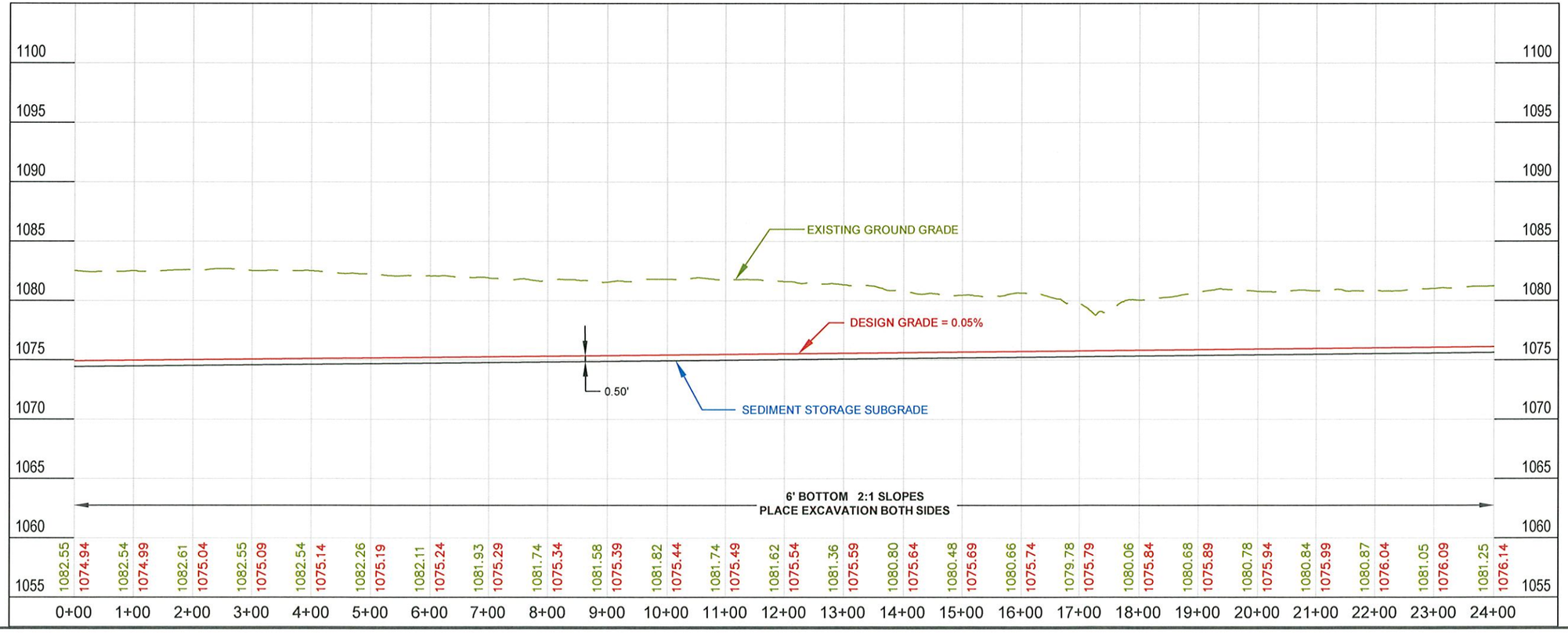
TITLE

**PLAN AND PROFILE MAIN OPEN DITCH**

SHEET

**D.03**

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**ORTON SLOUGH DRAINAGE DISTRICT**

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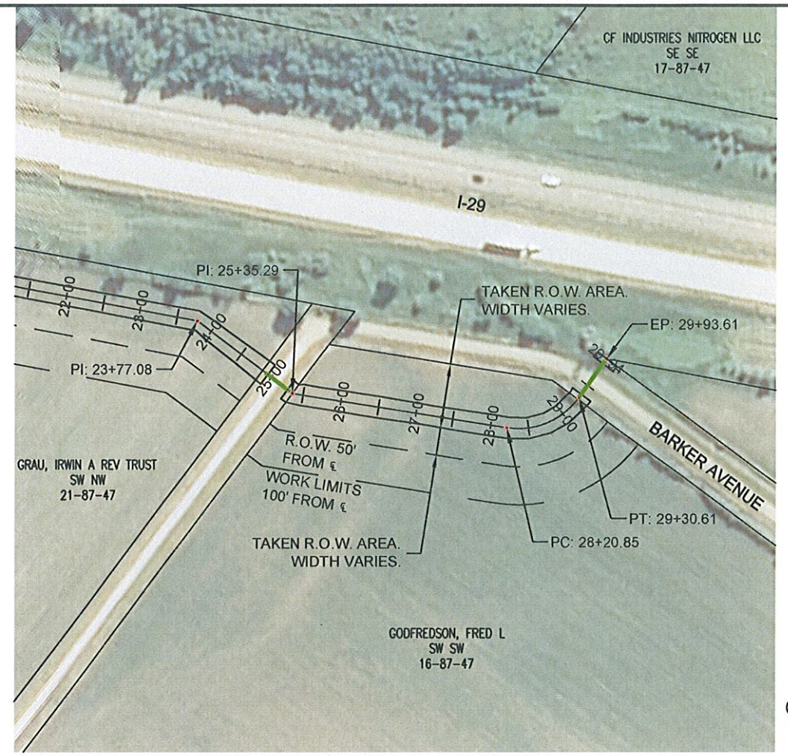
| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 PLANPROFILE |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

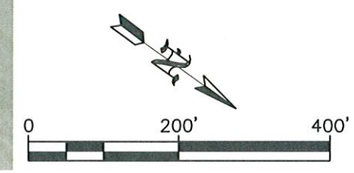
TITLE

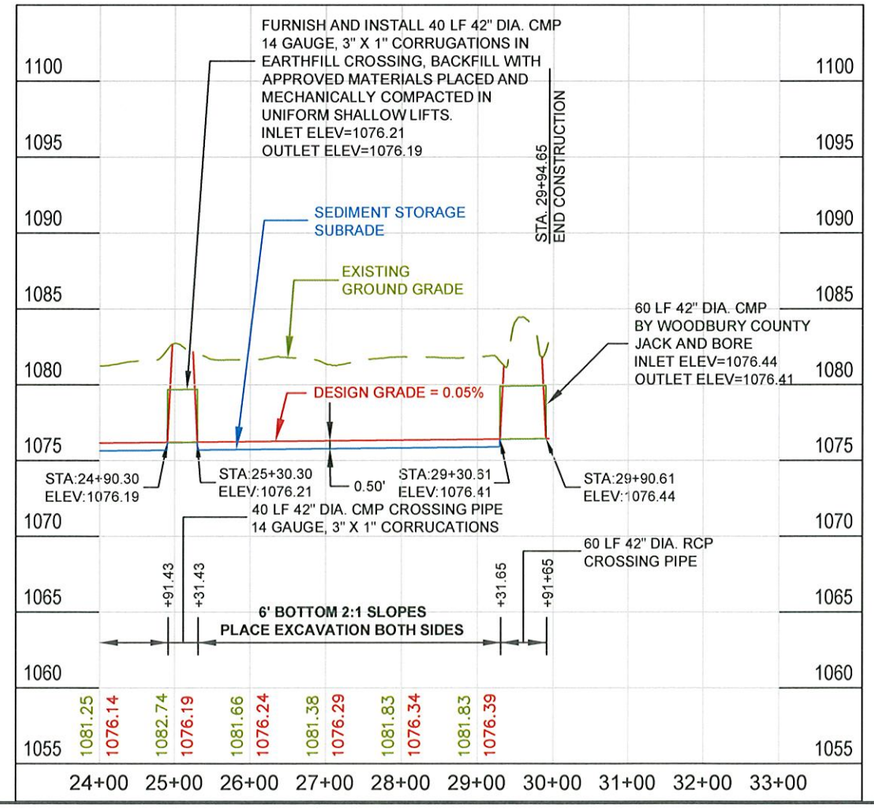
**PLAN AND PROFILE LATERAL 1**

SHEET

**D.04**

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**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

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| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 PLANPROFILE |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

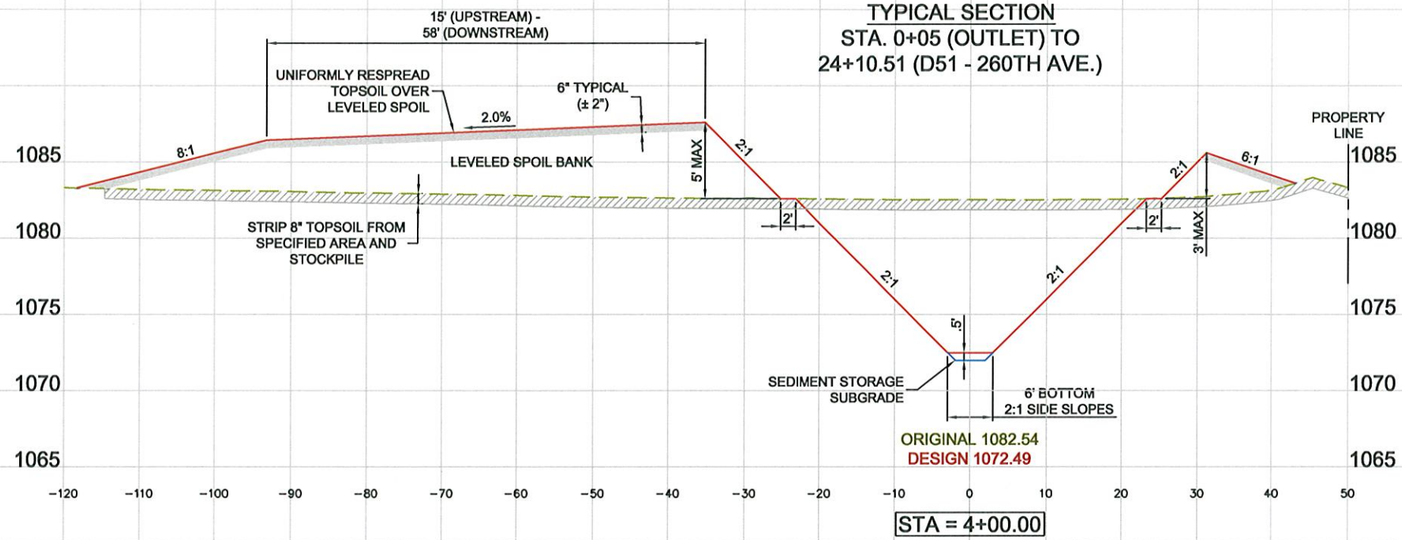
TITLE

**PLAN AND PROFILE LATERAL 1**

SHEET

**D.05**

## TYPICAL SECTION
STA. 0+05 (OUTLET) TO
24+10.51 (D51 - 260TH AVE.)

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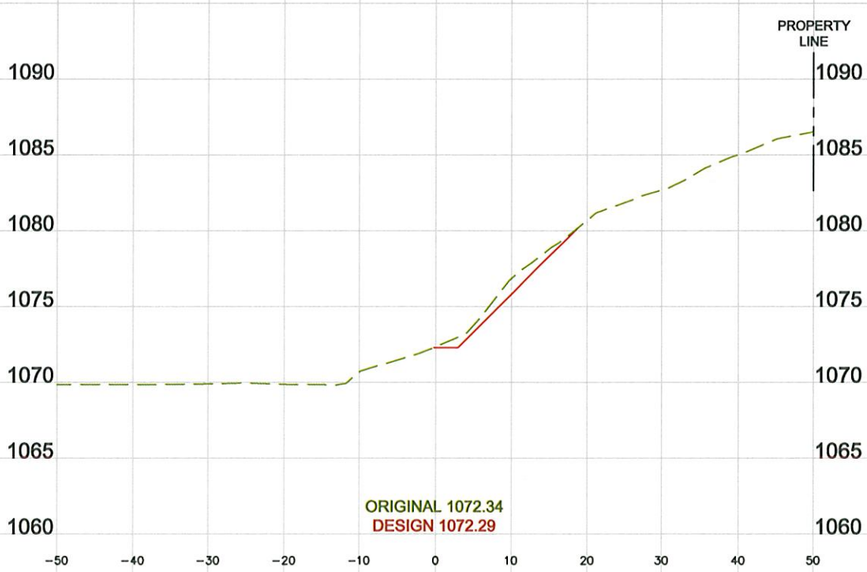
STA = 12+00.00

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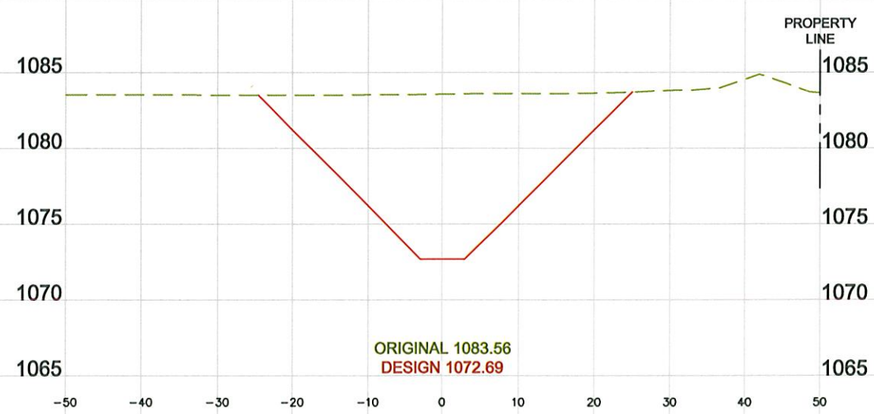


STA = 8+00.00

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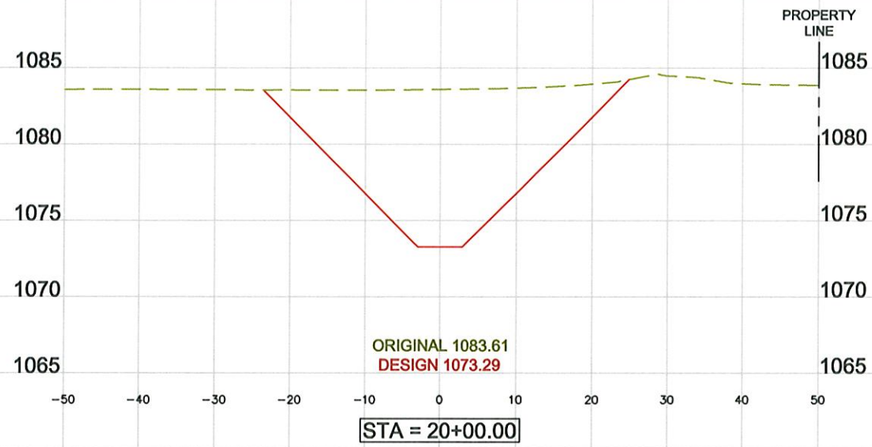
| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 CROSSSECTIONS |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

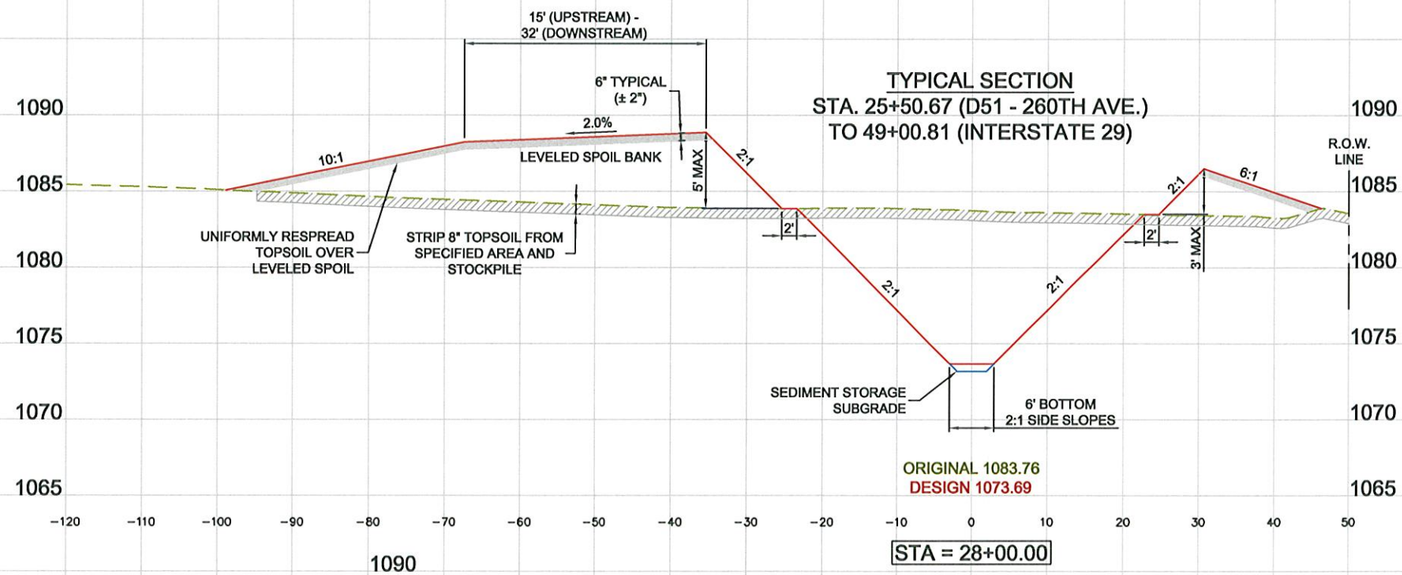
TITLE

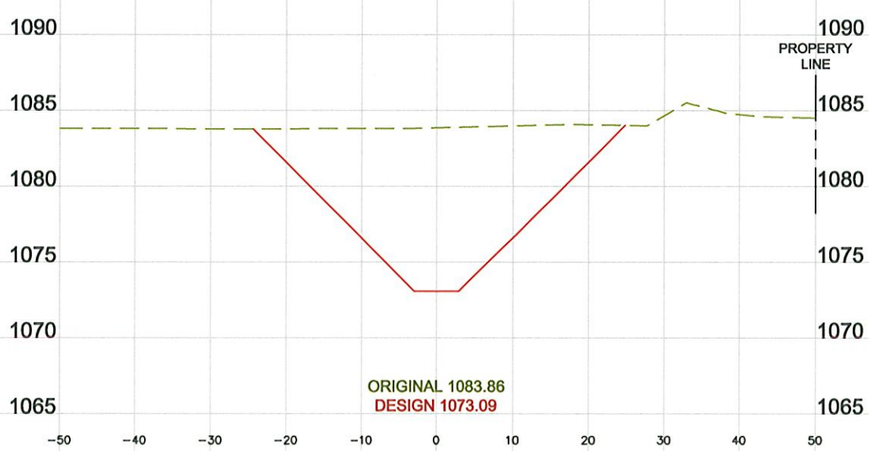
**CROSS SECTIONS MAIN OPEN DITCH**

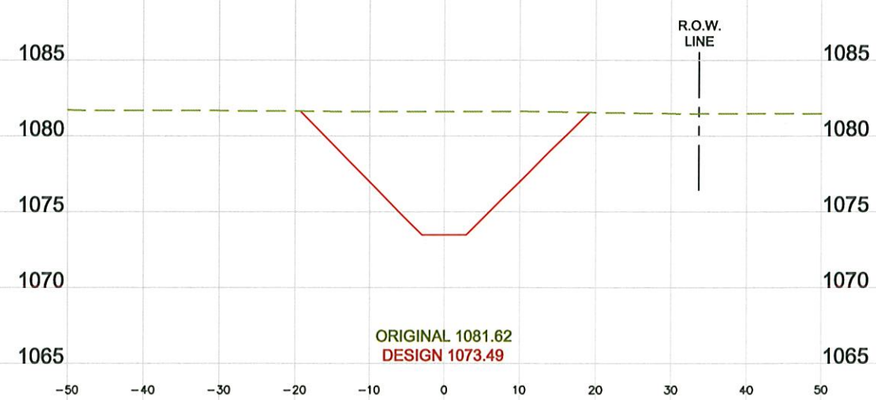
SHEET

**X.01**

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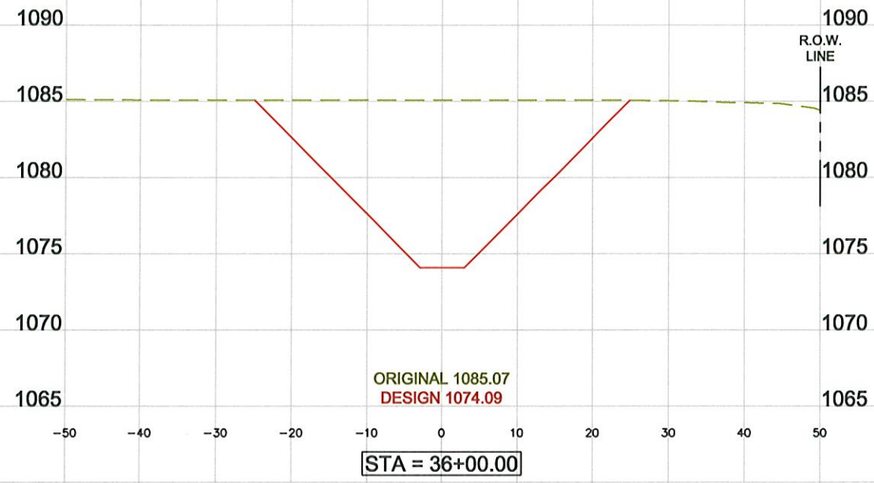
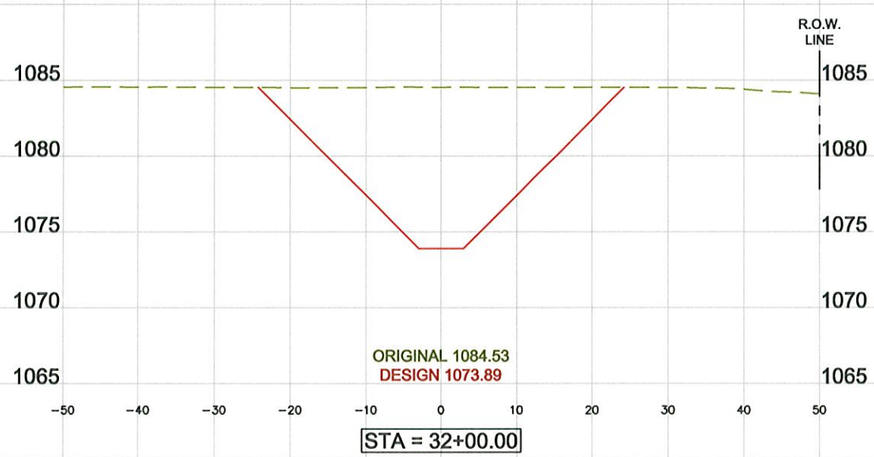
TITLE

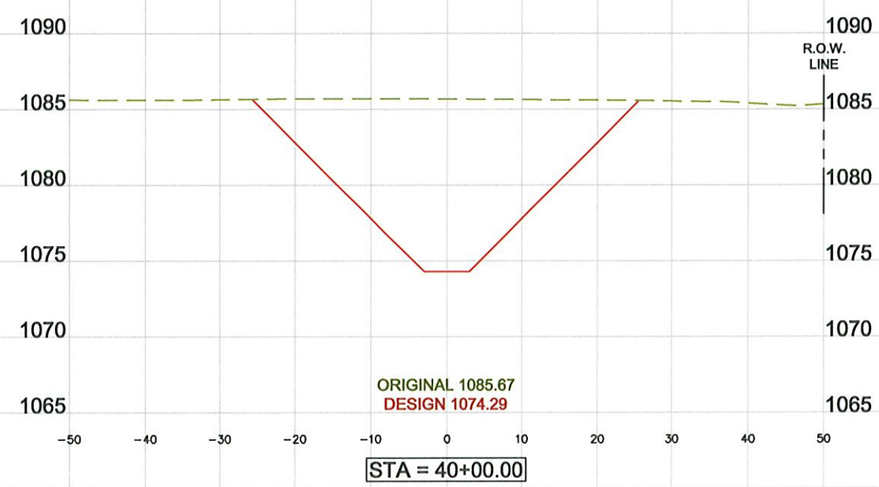
**CROSS SECTIONS MAIN OPEN DITCH**

SHEET

**X.02**



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PROJECT

**ORTON SLOUGH DRAINAGE DISTRICT**

WOODBURY COUNTY IOWA

REVISION SCHEDULE

| NO | DATE | DESCRIPTION |
|---|---|---|
| | | |

| | |
|---|---|
| PROJECT NO. | 13-16118 |
| FILE NAME | 16118 CROSSSECTIONS |
| DRAWN BY | N. KITZROW |
| DESIGNED BY | B. BLOMME |
| REVIEWED BY | I. DROESSLER |
| ISSUE DATE | |
| CLIENT PROJECT NO. | |

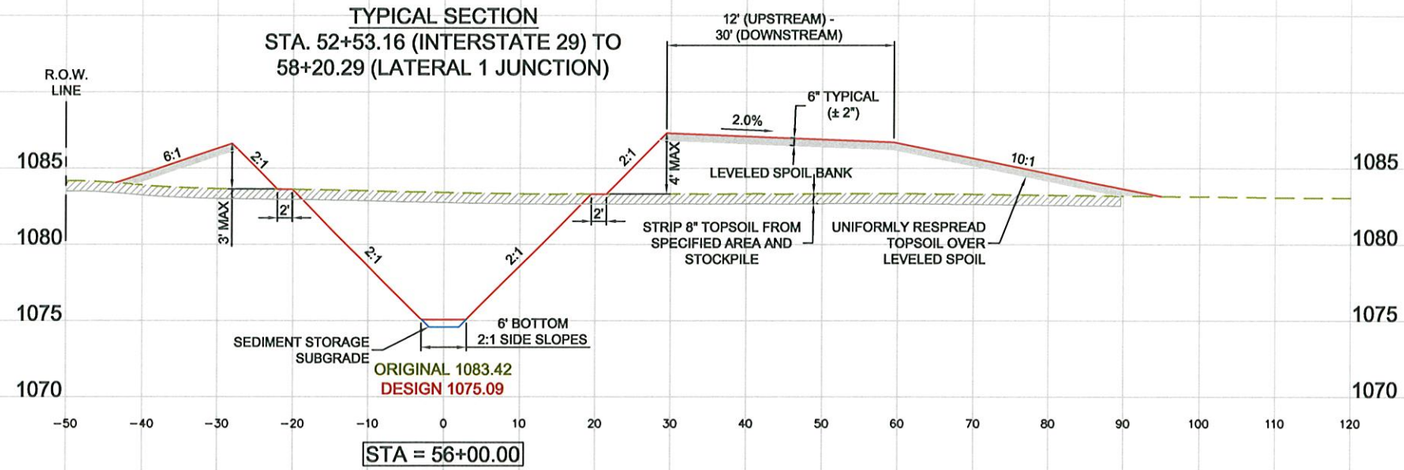
TITLE

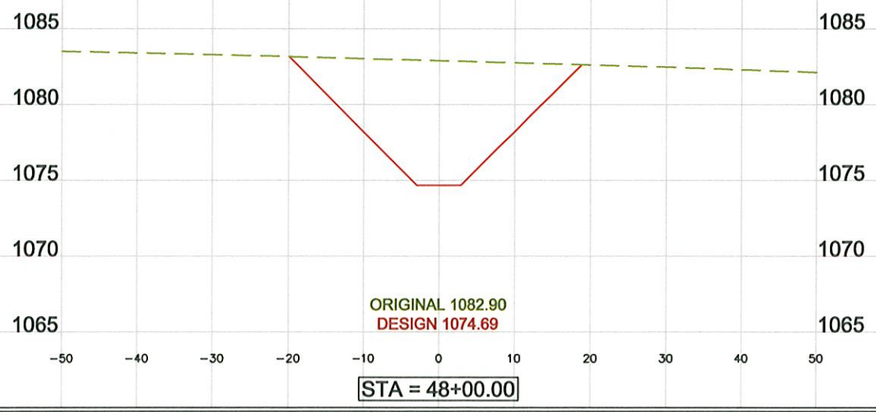
**CROSS SECTIONS MAIN OPEN DITCH**

SHEET

**X.03**

## TYPICAL SECTION
STA. 52+53.16 (INTERSTATE 29) TO
58+20.29 (LATERAL 1 JUNCTION)



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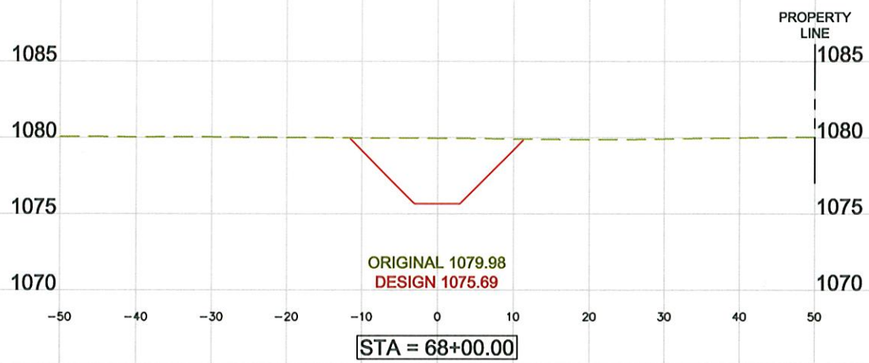
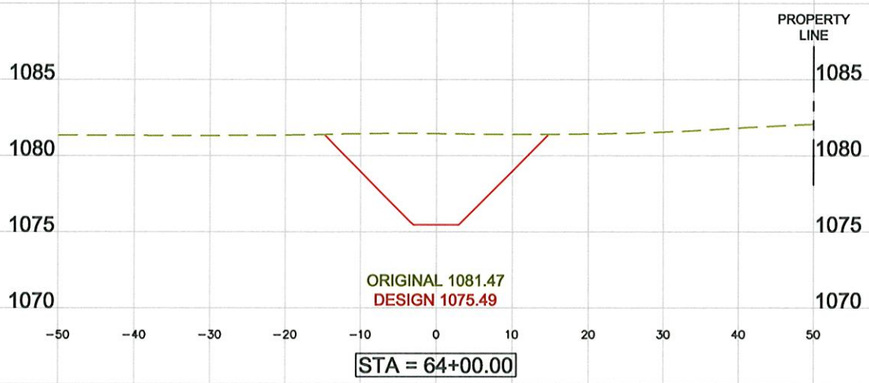
TITLE

**CROSS SECTIONS MAIN OPEN DITCH**

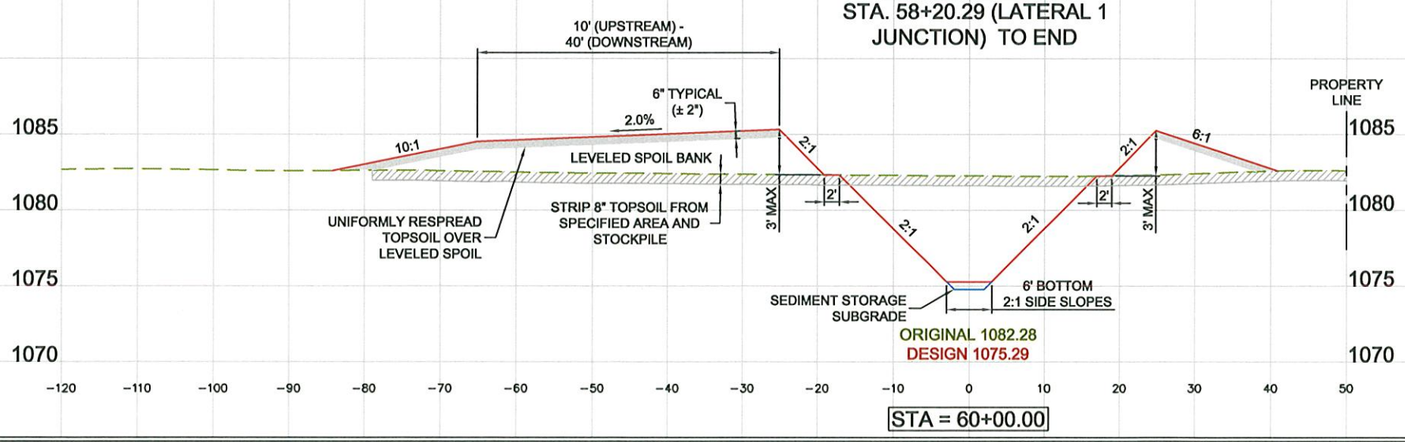
SHEET

**X.04**



## TYPICAL SECTION
STA. 58+20.29 (LATERAL 1 JUNCTION) TO END

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WOODBURY COUNTY IOWA

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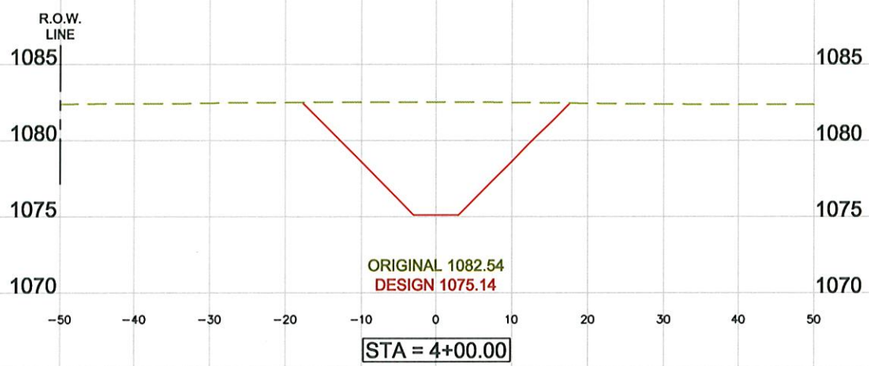
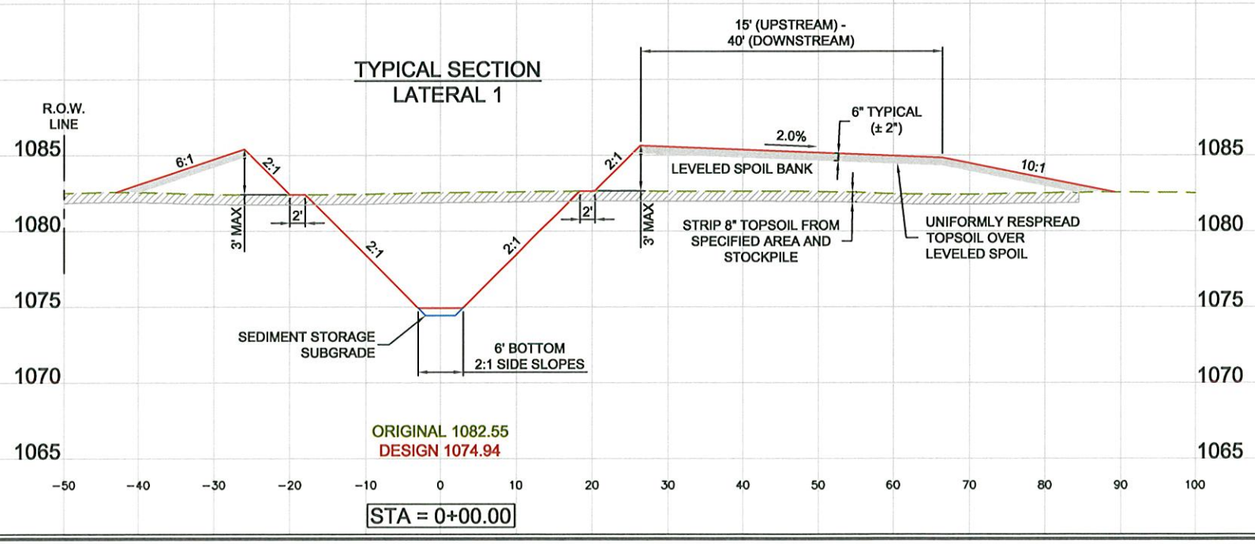
TITLE

**CROSS SECTIONS MAIN OPEN DITCH**

SHEET

**X.05**



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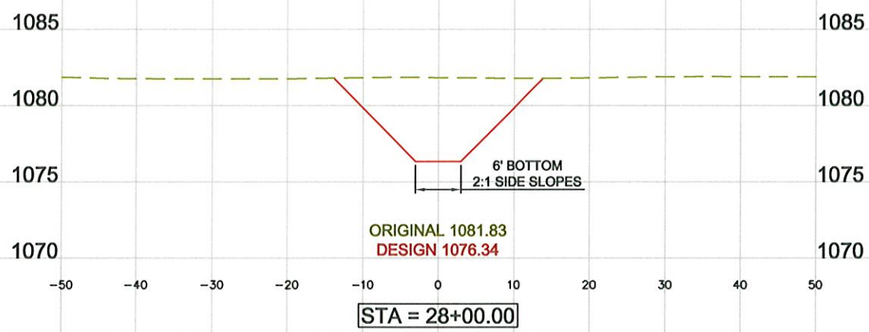
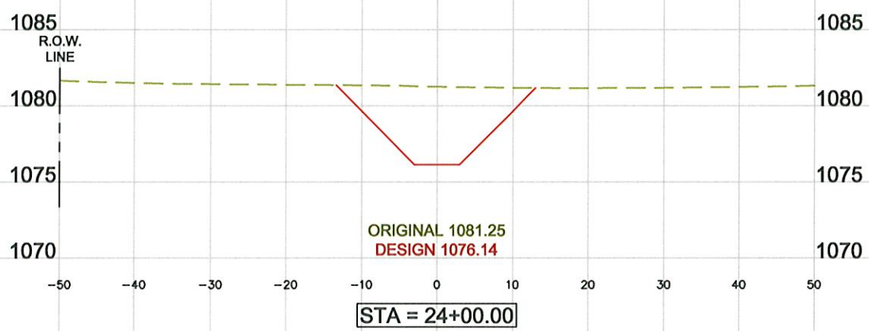
TITLE

**CROSS SECTIONS LATERAL 1**

SHEET

**X.06**



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TITLE

**CROSS SECTIONS LATERAL 1**

SHEET

**X.07**