FINAL ACCEPTANCE REPORT Faribault County Ditch 41 Repairs

Project No. 13-5436 December 2019

REPORT FOR:
Merissa Lore
Faribault County Drainage Manager
Faribault County Drainage Department
415 South Grove Street, Suite 8
Blue Earth, MN 56013
507.526.2300
merissa.lore@co.faribault.mn.us

FROM:
Chuck Brandel
Senior Civil Engineer
ISG
115 East Hickory St, Suite 300
Mankato, MN 56001
507.387.6651
chuck.brandel@is-grp.com





December 13, 2019

Merissa Lore Faribault County Drainage Manager 415 S. Grove St, Suite 8 Blue Earth, MN 56013

Re: Faribault County Ditch No. 41 Repairs

Mrs. Lore:

The repairs to Faribault County Ditch 41 has been fully completed. The contractor Dirt Merchants Inc. from Mankato, MN has completed 100% of the project including the repairs on the portions of the system that did not meet the specifications.

The original contract price was \$265,533.16 with an additional \$85,004.09 of change orders which include; upsizing 78 LF of 72" culvert to 84", adding varying sizes of Alternative Side Inlets, and rip rap for armoring tile outlets. The final contract price is \$350,537.25.

To date, the contractor has been paid \$349,710.02 with an unpaid balance of \$36,623.90 in remaining bid items and retainage to be paid. The final approved payment being requested is \$390,286.11; \$39,748.86 over the contract price. The As-built Drawings, total completed quantities, and final Pay Request No. 6 are enclosed.

Attached is the as-built drawing and the final report.

We recommend payment and final acceptance of this project at this time.

Please feel free to contact us with any questions.

Sincerely,

Chuck Brandel, P.E.

(III) T. Bell

Enclosure Attachment

Cc: Kevin Depuydt-Dirt Merchants Inc.

Application		Contractor's Application for Payment No. 6					
		9 - 11/9/2019	Application Date:		11/13/2019		
To Farlbault County / (Owner): Farlbault County / 415 S. Grave Stree Blue Barth, Mh 560	Ag Center rt, Switz 8 113	From Dist Merchant Inc. (Contractor): 3301 Third Avenue Mankato, MN 560	2	Via (Engineer):	I+S Group Chuck Brandel 115 E Hickory St. Suite 300 Mankato, MN S6001		
Project: Faribault County J	D 41 Repair	Contract:					
Owner's Contract No.		Contractor's Project No.		Engineer's Project No	o. 15436		
	Application Fo Change Order						
	Approved Chan	ge Orders	1. ORIGINAL CONTRAC	T PRICE			444 400 . 1
Number	Additions	Deductions	2. Net change by Chan	ge Orders		\$	265,533.14 85,004.09
1	\$43,892.98	-\$22,424.40	3. Current Contract Pr	ice (Line 1 ± 2)		5	
2	\$58,338.00		4. TOTAL COMPLETED	AND STORED TO DATE		3	350,537.2
3	\$33,829.66	-\$42,312.25	(Column F total on F	rogress Estimates)		5	390,286.1
4	\$13,680.10		5. RETAINAGE:	1.00		3	350,266.1
			2.	X S 390,286	.11 Work Completed		
			b. 5.0%	x 5	Stored Material		
		41.1	E Total Retain	nage (Line 5.a + Line 5.b)			
			6. AMOUNT ELIGIBLE T	O DATE (Line 4 - Line 5.c)		s	390,286.11
			7. LESS PREVIOUS PAY	MENTS (Line 6 from prior A	Application)	5	353,662.21
TOTALS	\$149,740,74	-\$64,736,65	8. AMOUNT DUE THIS	APPLICATION		\$	36,623.9
NET CHANGE BY		\$85,004.09	9. BALANCE TO FINISH, PLUS RETAINAGE				30,023.30
CHANGE ORDERS		\$65,004,05			c above)	ś	-
Contractor's Certification	*						
The undersigned Contractor of	ertifies, to the pest of its	chowledge, the following:	Payment of:		\$36,623.90		
1) All previous progress paym	lents received from Owne	er on account of Work done under the Contract legitimate obligations incurred in connection	THE	(Line 8 or other	- attach explanation of the other amo	ounti	
with the Work covered by pric	or Applications for Paymer	nt; ited in said Work, or otherwise listed in or	is recommended by:		Chle TBU		11/13/2019
covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances; and			Payment of		(Engineer)		(Date)
(3) All the Work covered by the and is not defective.	is Application for Paymen	t is in accordance with the Contract Documents	Faymen, Or	(Line & or other	- attach explanation of the other ams	nuitz)	
			If approved by:				
Contractor Signature					(Owner)		(Date)
	- 11	Date: 11-15-19	Approved by:				
16-1/3	min	11-12-17	9795-204-417	Econolina	as Financias daries Michaellan		40.00

EJCDCto C-620 Contractor's Application for Psyment

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Page 1 of 1

Completed Bid Items

Faribault County JD 41 Repair
15436
Faribault Counties Drainage Authority
Faribault County

Pay Request 6
2/21/2019 To 11/9/2019

Bid Item Number	Bid Item	Unit	Quantitiy	Unit Price	Total Amount	Quantity This Pay Request	Amount This Pay Request	Quantity To Date	Amount To Date	Quantity Remaining	Amount Remainin
2021.501	MOBILIZATION	LS	1	\$3,311.00	\$3,311.00	0.00	50,00	1.00	53,311.00	0.00	\$0.00
2101.502	CLEAR AND GRUB TREE (OVER 6") - PER PLAN	EA	17	\$353.00	\$6,001.00	0.00	50.00	37.00	\$13,061,00	0.00	50.00
2101.502	TREE CLEARING AND HEAVY VEGETATION REMOVAL	LF	2734	\$10.32	528,214 88	0.00	\$0.00	2734.00	578,214.88	0.00	50.00
2104.501	REMOVE 72" CMP CULVERT	EA	7	\$1,500.00	51,500,00	0.00	\$0.00	1.00	\$1,500,00	0.00	\$0.00
2104,501	REMOVE 90" CMP CULVERT	EA	1	\$2,000.00	\$2,000,00	0.00	\$9.00	1.00	\$2,000.00	0.00	\$0.00
2104.501	REMOVE EXISTING BRIDGE	LS	1	\$4,000,00	\$4,000,00	0.00	\$0.00	1.00	\$4,000.00	0.00	\$0.00
2105,602	RESTORE ROAD CROSSING	EA	2	\$2,350.00	\$4,700.00	0.00	50.00	7.00	\$4,700.00	0.00	\$0.00
2105.603	CLEAN OPEN DITCH (6' WIDE BOTTOM)	LF.	22005	52.00	544,010.00	0.00	50.00	21100.00	542,200.00	0.00	50.00
2105,603	CLEAN OPEN DITCH (B' WIDE BOTTOM)	LF	1000	\$2.75	52,750.00	0.00	\$0.00	1000.00	52,750.00	0.00	50.00
2105.603	CLEAN OPEN DITCH (10' WIDE BOTTOM)	UF	700	\$4.00	\$2,800.00	0.00	50.00	700.00	\$2,800.00	0.00	50.00
2105.603	CLEAN OPEN DITCH (12" WIDE BOTTOM)	LE	300	\$4.50	\$1,350.00	0.00	\$0.00	300.00	\$1,350.00	0.00	\$0.00
2503.602	6" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	4	5531.51	52,126,04	0.00	50.00	12.00	\$6,378.12	0.00	50.00
2503.602	8" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	ĒΛ	2	5604 98	\$1,209.96	0.00	50.00	30.00	\$18,149.40	0.00	50.00
2503.602	10" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	25	5674.53	\$16,863.25	0.00	\$0.00	18.00	\$12,141.54	0.00	50.00
2503.602	12" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	45	5753.59	533.917.55	0.00	50.00	9.00	\$6,782.31	0.00	
2503.602	14" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	2	5865.16	\$1,730.32	0.00	50.00	0.00	\$0.00	0.00	\$0.00 \$0.00
2503.602	15" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	9	5865.16	57,785.44	0.00	50.00	1.00	\$865.16	0.00	
2503.602	18" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FARRIC)	EA	15	\$1,157.78	\$17.366.70	0.00	50.00	5.00	\$5,788.90	0.00	\$0.00
2503.602	24" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FARRIC)	EA	- 2	\$1,450.89	52.901.78	0.00	50.00	0.00	\$0.00	0.00	\$0.00
2503.602	48" TILE OUTLET (RIPRAP, GRADING, & GEOTEXTILE FABRIC)	EA	4	\$2,815.59	52,815,59	0.00	SD.00	0.00	50.00	0.00	\$0.00
2503.602	INSTALL 72" RCP CULVERT	TE	128	5311.45	\$39,865.60	0.00	50.00	72.00	522,424.40	0.00	50.00
2503.603	SLOUGH REPAIR	LF	ZB34	\$5.00	\$14,170.00	0.00	50.00	2850.00	814,250,00	0.00	
2511,501	PLACE MIDDOT CLASS III RIPRAP ON GEOTEXTILE FABRIC TYPE 4	- Cy	250	568.20	\$17,050.00	0.00	\$0.00	250.00	617,050,00	0.00	\$0.00
2573,502	SILT FENCE	LE	88.7	54.00	\$354.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
2575.501	SEED MIX 25-242 WITH MINDOT C ATEGORY 3 EROSION CONTROL BLANKET	SY	126	54.00	5504.00	0.00	\$0.00	333.00	\$1,332,00	0.00	-
2575.501	SEED SIDE SLOPES WITH BUFFER BLEND SEED & BFM MULCH	AC	1.06	\$4,950.00	\$5,247.00	0.00	50.00	1.06	\$5,247.00	0.00	50.00
2575.545	TREE SPRAYING	AC	2.07	\$275.00	\$569.75	0.00	\$0.00	0.00	\$0.00	0.00	SD.00
2575.545	WEED SPRAYING	AC	2,12	\$200.00	\$124.00	0.00	50.00	0.00	50.00	0.00	\$0.00
			- eme	70000	5265,533.16	0.00	39/60	0.00	\$0.00	U.Uu	\$0.00

1 of 1



Completed Change Order Items



Faribault County JD 41 Repair 15436 Faribault Counties Drainage Authority Faribault County

Pay Request 6

Change Order	Bid Item Number	Hid Item	Unit	Quantitiy	Unit Price	Total Amount	Quantity This Pay Request	Amount This Pay Request	Quantity To Date	Amount To Date Date	Quantity Remaining	Amount Remaining
1	3001	Restock 72" RCP	LS	1.00	\$6,061.42	\$6,061.42	0.00	\$0.00	1.00	56,061.42	0.00	\$0.00
1	3001	F&I: 84" RCP Culvert	LF	78,00	\$485.02	\$37,831.56	0.00	\$0.00	78,00	\$37,831.56	0.00	\$0.00
2	300Z	8" Alternative Side Inlets w/ Slotted Hickenbottom	EA	1.00	\$1,336,00	\$1,336.00	0.00	\$0.00	1.00	\$1,336.00	0,00	\$0.00
2	3003	10" Alternative Side Inlets w/ Slotted Hickenbottom	EA	1.00	\$1,430,00	\$1,430.00	0.00	50.00	1.00	\$1,430.00	0.00	\$0.00
2	3004	10" Alternative Side Inlets w/ STD Hickenbottom	EA	1.00	\$1,430.00	\$1,430.00	D.00	50.00	1,00	\$1,430.00	0,00	50.00
2	3005	10" Alternative Side Inlets w/ Trash Grate	EA	1.00	\$1,575.00	51,575.00	0.00	50.00	1.00	\$1,575.00	0.00	50.00
2	3006	12" Alternative Side Inlets w/ STD Hickenbottom	EA	6.00	\$1,744.00	\$10,464.00	0.00	\$0.00	6.00	\$10,464.00	0,00	\$0,00
2	3007	12" Alternative Side Inlets w/ Trash Grate	EA	12.00	51,844.00	\$22,128.00	0,00	\$0,00	12.00	\$22,128.00	0.00	50.00
2	3008	15" Alternative Side Inlets w/ Trash Grate	EA	5,00	\$1,923.00	\$9,615.00	0.00	\$0,00	5.00	\$9,615.00	0.00	\$0.00
2	3009	24" ASIRO w/ Trash Grate	EA	2.00	\$2,600.00	\$5,200,00	0.00	\$0.00	2.00	\$5,200.00	0.00	\$0.00
2	3011	Class II Riprap and Filter Fabric	CY	20.00	\$73.20	\$1,464.00	0.00	50.00	25.00	\$1,830.00	0.00	\$0.00
2	3012	Seed Mix 25-142 w/ MNDOT Erosion Control Blanket Cat 3	SV	924.00	\$4.00	\$3,696.00	1082.50	\$4,330,00	2937.50	\$11,750.00	0.00	\$0.00
3	4001	Armor Existing Tile Outlets	EA	50,00	\$400.00	\$20,000.00	0,00	\$0,00	55.00	\$22,000.00	0.00	\$0:00
3	4002	Reset 72" Field Crossing and Remove Bridge Abutments	15	1.00	\$8,521,66	\$8,521,66	0.00	\$0.00	1,00	\$8,521.66	0.00	\$0.00
3	1003	Reset 48" Apron & Tie 2 Pipe Sections	15	1.00	\$5,308.00	\$5,308.00	0,00	\$0.00	1.00	\$5,308.00	0.00	50.00
3	4001	Reset 72" Field Crossing and Remove Bridge Abutments	15	00.1	\$8,521.66	\$8,521,66	1.00	\$8,521.66	1.00	\$8,521,66	0.00	\$0.00
3	4002	Reset 48" Apron & Tie 2 Pipe Sections	LS	1.00	\$5,308.00	\$5,308.00	1.00	\$5,308.00	1.00	\$5,308.00	0.00	\$0.00
4	5001	Install 12-Inch ASI Riser Assembly w/trash grate	ĒΑ	2,00	\$1,165.70	\$2,331.40	2.00	\$2,331,40	2.00	\$2,331,40	0.00	\$0.00
4	5002	Install 12-inch ASI Outlet Assembly	EA	2.00	\$850.40	\$1,700.80	2.00	\$1,700.80	2.00	51.700.80	0.00	\$0.00
4	5003	Class III Riprap with Geotextile Fabrich	CY	100,00	\$58.20	\$6,820.00	100,00	\$6,820.00	100.00	56,820.00	0.00	\$0.00
4	5004	Common Borrow	CY	75.00	\$10,00	\$750.00	75 00	5750.00	75.00	\$750.00	0.00	50.00
4	5005	Seed Mix 25-142 W/MNDOT Erosion Control Blanket Cat 3	SF	425.00	\$4.00	\$1,700.00	425.00	\$1,700,00	425.00	\$1,700.00	0.00	\$0,00
4	5006	Connect existing 6-inch tile	EA	1,00	\$377.90	\$377.90	1.00	5377.90	1.00	\$377.90	0.00	\$0.00
						\$163,570.40		\$31,839.76		\$173,990.40		\$0.00



Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number: 1-605-217-312

Submitted Date and Time: 21-Nov-2019 2:22:29 PM Legal Name: DIRT MERCHANT INC

Federal Employer ID: 81-0608299
User Who Submitted: Dirt2003

Type of Request Submitted: Contractor Affidavit

Affidavit Summary

Affidavit Number: 845324288 Minnesota ID: 6465612

Project Owner: FARIBAULT COUNTY AG CENTER

Project Number: 15436
Project Begin Date: 01-Nov-2017
Project End Date: 31-Oct-2019

Project Location: FARIBAULT COUNTY JD 41 REPAIR

Project Amount: \$390,286.11

Subcontractor Summary

Name ID Affidavit Number PFEFFER TREE SERVICE INC 2191445 677584896 EROSION CONTROL PLUS INC 3767232 1958240256

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

If you need further assistance, contact our Withholding Tax Division at 651-282-9999, (toll-free) 800-657-3594, or (email) withholding.tax@state.mn.us. Business hours are 8:00 a.m. - 4:30 p.m. Monday - Friday.

Please print this page for your records using the print or save functionality built into your browser.



Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:

1-317-593-120

Submitted Date and Time:

22-Jul-2019 1:03:59 PM

Legal Name:

EROSION CONTROL PLUS INC

Federal Employer ID:

47-2156528

User Who Submitted:

ECP2014

Type of Request Submitted:

Contractor Affidavit

Affidavit Summary

Affidavit Number:

1958240256

Minnesota ID:

3767232

Project Owner:

FARIBAULT COUNTY

Project Number:

COUNTY DITCH 41

Project Begin Date:

29-May-2018

Project End Date:

01-Jun-2018

Project Location:

FARIBAULT COUNTY DITCH 41 IMPROVEMENT

Project Amount:

\$18,747.00

Subcontractors:

No Subcontractors

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

If you need further assistance, contact our Withholding Tax Division at 651-282-9999, (toll-free) 800-657-3594, or (email) withholding.tax@state.mn.us. Business hours are 8:00 a.m. - 4:30 p.m. Monday - Friday.

Please print this page for your records using the print or save functionality built into your browser.



Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved

Confirmation Summary

Confirmation Number: 1-479-389-120

Submitted Date and Time: 30-May-2019 2:59:30 PM
Legal Name: PFEFFER TREE SERVICE INC

Federal Employer ID: 45-2966673 User Who Submitted: ACN26610

Type of Request Submitted: Contractor Affidavit

Affidavit Summary

Affidavit Number: 677584896 Minnesota ID: 2191445

Project Owner: FARIBAULT COUNTY DRAINAGE

Project Number: 41

Project Begin Date: 01-Nov-2017
Project End Date: 31-May-2018

Project Location: FARIBAULT COUNTY

Project Amount: \$34,909.32 Subcontractors: No Subcontractors

Important Messages

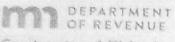
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Contact Us

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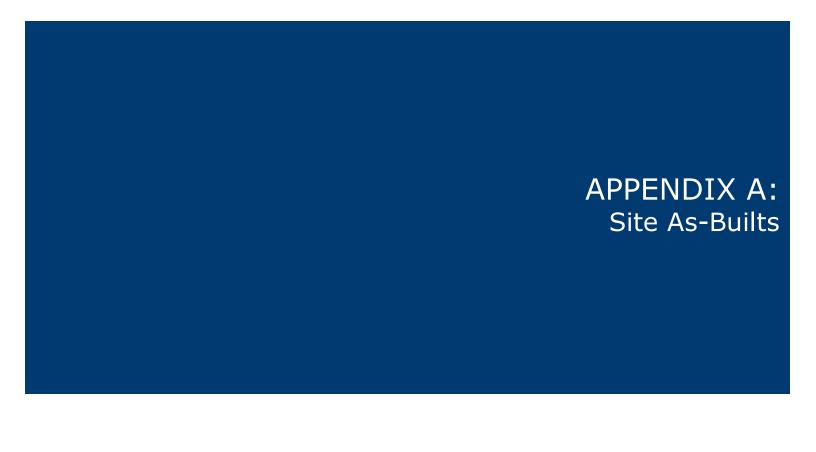
Please print this page for your records using the print or save functionality built into your browser,

Certificate of Compliance



IC

tor's signature			
re that all information I have filled in on this form is true and complete to ation relating to this project, including sending copies of this form, to the contracting agency.	the best of my knowledg prime contractor if I am	e and belief. I authori a subcontractor, and i	ze the Department of Revenue to to any subcontractors if I am a pr
Business name Address		Owner/0	Officer
Prime contractor—If you subcontracted out any work on thi and have them certified by the Department of Revenue beform the information below and attach a copy of each subcontracted.	re you can submit you	ir Contractor Affid-	wit For oach subsenter the
3301 3rd Ave Mankato MN 56001			
Dirt Merchant, Inc			
Name of contractor who hired you			
Sole contractor Subcontractor			
Check the box that describes your involvement in the project and	fill in all information r	equested.	
The volume enterpress work on this project? X Yes No. If no, who di	The second second second second	Side Cartii	WII4 30013
Faribault County Drainat 415 Grove St		Blue Earth	State ZIP code MN 56013
Project location Faribualt County			
Mapleton MN 56065	\$ 2000-32	891.83	5/18
Chy Ptable ZProode	5 60800,49 3 Amount still due	14,909.32	11/2017 Month/year work ended
11322 576 Ave	5073170595 Total contract amount	11.000 22	Month/year work began
Pleffer Tree Service Inc	Daytime phone		Minnesota tax 10 number 45-2966673
These teps or piles clasely. This information will be used for returning to	the completed form		
and the second section of the sectio	etailed information, s	ee the instructions	on the back of this form.
The Contractor Affidavit must be certified by the Minneson visions can make final payment to contractors. For more de-	etailed information, s	enue before the st	ate of Minnesota or any of



FARIBAULT COUNTY DITCH NO. 41 REPAIRS

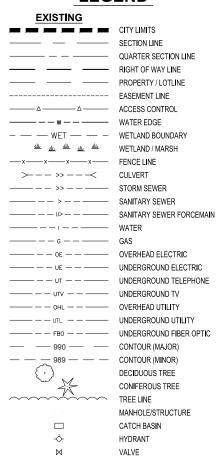
CONSTRUCTION PLANS FOR:

ISG PROJECT # 15436

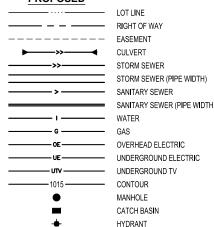
ELMORE, MINNESOTA

OPEN DITCH REPAIRS

LEGEND





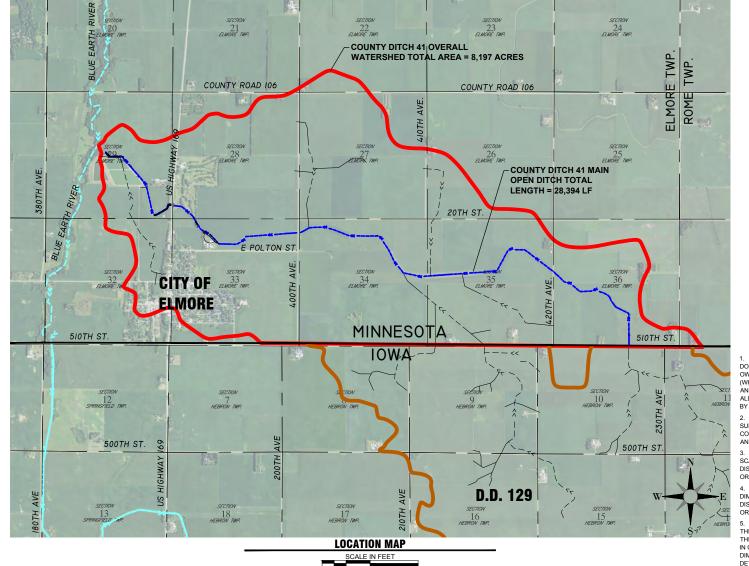


VALVE

CURB STOP

POWER POLE

UTILITY PEDESTAL / CABINET



	SHEET INDEX						
1	TITLE						
2	CONSTRUCTION NOTES, QUANTITIES, AND DETAILS						
3	DETAILS						
4	DETAILS						
5	COUNTY DITCH 41 WATERSHED MAP						
6	COUNTY DITCH NO. 41 MAINLINE PROFILE						
7	COUNTY DITCH NO. 41 MAINLINE PROFILE						
8	COUNTY DITCH NO. 41 MAINLINE PROFILE						
9	COUNTY DITCH NO. 41 MAINLINE PROFILE						
10	COUNTY DITCH NO. 41 MAINLINE PROFILE						
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13	COUNTY DITCH NO. 41 MAINLINE PROFILE						
14	COUNTY DITCH NO. 41 MAINLINE PROFILE						
14A	COUNTY DITCH NO. 41 MAINLINE PROFILE						
15	COUNTY DITCH NO. 41 420TH AVE CROSSING						
16	COUNTY DITCH NO. 41 MAINLINE PROFILE						

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS, NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED. THROUGHOUT THE WORK, DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN, WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTION AND THE CONTRACT DOCUMENTS, NOTIFY
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIF THE SIZES. LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OF VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166)

KFY PLAN

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OF REPORT WAS PREPARED BY ME OR UNDER MY DIRECT UPERVISION AND THAT LAM A DULY LICENSE ROFESSIONAL ENGINEER UNDER THE LAWS OF THE

CHARLES J. BRANDEL

Chla T. Ball

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT UPERVISION AND THAT LAM A DULY LICENSED ANDSCAPE ARCHITECT UNDER THE LAWS OF THE TATE OF MINNESOTA.

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PROJECT

FARIBAULT COUNTY **DITCH NO. 41 REPAIRS**

MINNESOTA

AS-BUILT 12/13/2019

PROJECT NO.	17-15436
CAD FILE NAME	15436 FINAL TITLE
DRAWN BY	CJB/KDS PJJ
DESIGNED BY	CJB
REVIEWED BY	07/05/17
ORIGINAL ISSUE DATE	-

PROJECT INDEX:

OWNER:

FARIBAULT COUNTY DRAINAGE AUTHORITY 415 S GROVE STREET SUITE 8 BLUE EARTH, MN 56013 PH: 507-526-2388

PROJECT ADDRESS / LOCATION:

SECTIONS 28,29,33,34,35,36 ELMORE TWP. **FARIBAULT COUNTY, MINNESOTA**

MANAGING OFFICE:

MANKATO OFFICE 115 E HICKORY STREET SUITE 300 MANKATO, MN 56001 PHONE: 507.387.6651 FAX: 507.387.3583

PROJECT MANAGER: CHUCK BRANDEL EMAIL: CHUCK.BRANDEL@IS-GRP.COM

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH FARIBAULT COUNTY REQUIREMENTS AND MINDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2016 EDITION, AND THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA 2013, UNI ESS DIRECTED

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1996 ADJUSTMENT (NAD83(1996)) ON THE FARIBAULT COUNTY COORDINATE SYSTEM IN U.S. SURVEY FEET ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

0.5 MILE SOUTH OF FLMORE 0.5 MILE SOUTH ALONG TRUNK HWY 169 FROM JUNCTION OF TRUNK HWY 169 AND COUNTY ROAD 9 (RASMUSSEN STREET) IN IN ELMORE, AT TRUNK HWY 169 MILEPOINT 0.5, 146.5 FT EAST OF TRUNK HWY 169. 50.0 FT NORTH OF COUNTY ROAD 102 AND MINNESOTA-IOWA STATE LINE, 29.0 FT EAST-NORTHEAST OF CABLE MARKER, 3.1 FT WEST OF RIGHT-OF-WAY POST 3.0 FT FAST OF WITNESS POST.

B.M. ELEVATION=1112.45

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED BETWEEN JULY & OCTOBER OF 2013 BY ISG.

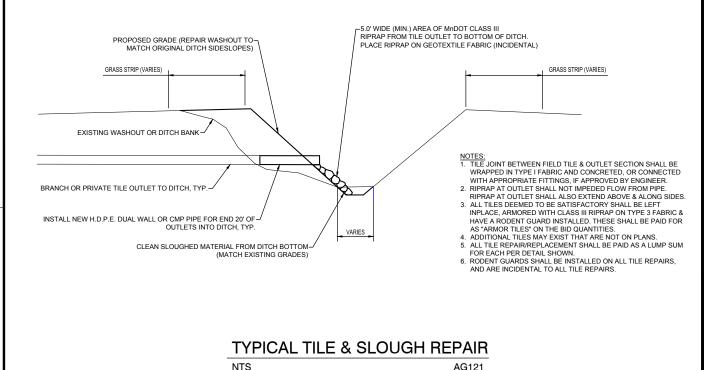
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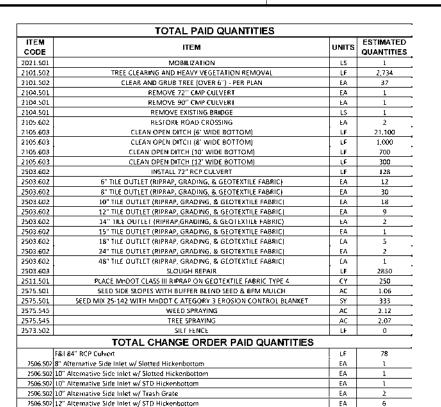
OF 16

- GENERAL SITE NOTES:

 1. MINOR SHAPING AROUND DROP INTAKES AND CULVERT INLETS SHALL BE INCIDENTAL TO THESE RESPECTIVE PAY
- 2. EXISTING TILES AT OUTLETS MAY BE SALVAGED, REUSED, & PROTECTED WITH RIPRAP IF THE OUTLET IS DEEMED IN GOOD SHAPE. TILE REPAIR AT THESE LOCATIONS SHALL BE PAID FOR AS BID ITEM "ARMOR TILE."
- 3. UNLESS OTHERWISE NOTED, CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITY TO WITHIN A 16.5-FOOT WIDE BUFFER AREA ALONG PROPOSED DITCH ALIGNMENTS. DISTURBANCE THROUGH ROAD CROSSINGS, ROAD DITCHES, AND GRASS BUFFERS SHALL BE LIMITED TO THE WIDTH OF A TRENCH NECESSARY FOR SAFE CONSTRUCTION
- 4. UNLESS SPECIFICALLY NOTED HDPE WILL BE ACCEPTABLE MATERIALS FOR ALL PROPOSED TILE REPAIRS. ANY ROAD CROSSING REPAIRS SHALL BE RCP ONLY.
- 5. PLACE ALL SPOILS FROM DITCH CLEANING ON LOWER SIDE OF THE DITCH NO WIDER THAN 16.5' WIDE FROM TOP OF SLOPE UNLESS OTHERWISE DETERMINED BY THE ENGINEER. SPOIL LEVELING/GRADING IS INCIDENTAL TO OPEN DITCH
- 6. TIE ALL PIPE SECTIONS FOR REINFORCED CONCRETE PIPE (INCIDENTAL).
- 7. DURING CONSTRUCTION, CONTRACTOR SHALL MAINTAIN A DRAINAGE OUTLET FOR THE ENTIRE FARIBAULT CD 41
- 8. AREAS WHERE A 16.5' GRASS STRIP DOES NOT EXIST OR HAS BEEN DISTURBED DURING CONSTRUCTION SHALL BE PLANTED AFTER ALL WORK HAS BEEN COMPLETED IN THAT AREA, & SHALL COMPLY TO SPECIFICATIONS OUTLINED IN THE SPEC BOOK. THESE AREAS WILL BE DETERMINED BY THE ENGINEER.
- 9. MISC. TREE CLEARING OUTSIDE OF CALLED OUT AREAS ON THE PLANS SHALL BE INCIDENTAL TO NORMAL DITCH CLEANING.
- 10. ALL TREES LARGER THAN 6" IN DIAMETER SHALL BE LEFT IN AREAS DESIGNATED FOR "LIGHT VEGETATED DITCH

NOTE: ALL TILE OUTLETS AND FIELD INTAKES SHALL BE REPAIRED OR PROTECTED





EA

EA

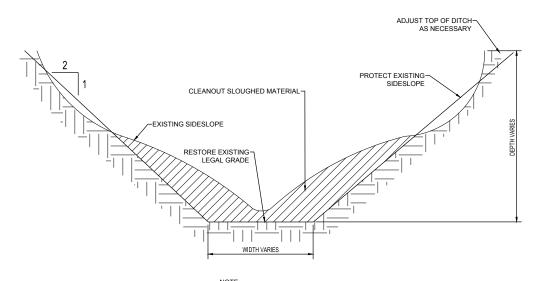
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1500



2506.502 12" Alternative Side Inlets w/ Trash Grate

Reset 48" Apron & Tie 2 Pipe Sections

2575 523 Seed Mix 25-142 w/ MNDOT Erosion Control Blanket Cat 3

Reset 72" Field Crossing and Remove Bridge Abutments

2506 502 15" Alternative Side Inlets w/ Trash Grate

2506.502 24" ASIRO w/ Trash Grate

2506 603 Armor Existing Tile Outlets 2506.502 Class II Riprap and Filter Fabric

*BOTTOM 1/3 NEED NOT BE RESEEDED

TYPICAL DITCH CLEANING DETAIL NTS

KFY PI AN

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CHARLES J. BRANDEL

DATE 07/05/17 ___ LIC. NO. 43359

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OF REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

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PROJECT

FARIBAULT COUNTY DITCH NO. 41 **REPAIRS**

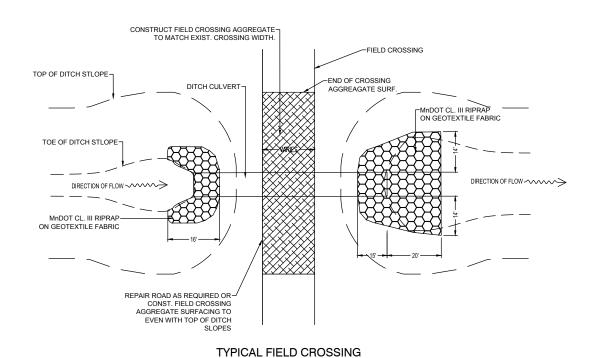
MINNESOTA

AS-BUILT 12/13/2019

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CONSTRUCTION NOTES, **QUANTITIES, AND DETAILS**

OF 16



NOTES:
1. OPEN DITCH CULVERTS MUST BE WATERTIGHT, GASKETED, AND TONGUE AND GROOVE DESIGN. CONFORM TO MIDOT 3006F.
2. SEE TYPICAL ROAD SECTION DETAIL (AG140)
3. GRAVEL ROAD RESTORATION PAID SEPARATE TO CULVERT

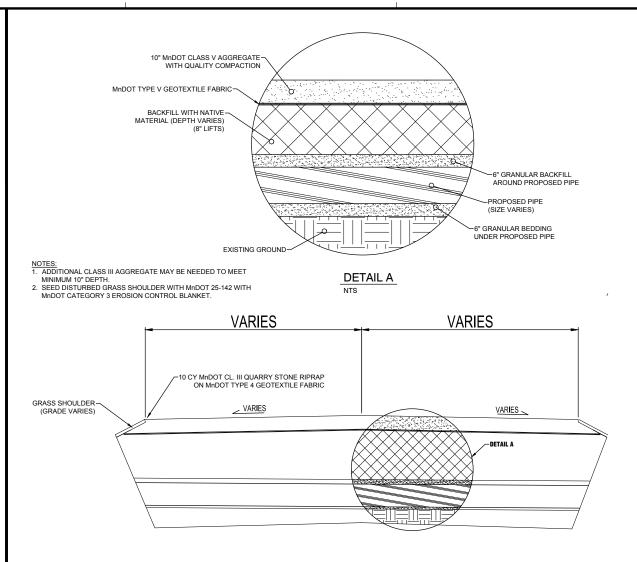
IMPERVIOUS CLAY PLUG @ END OF PIPE BEDDING TYP. BOTH ENDS

- RESTORATION.
- RESTORATION.

 4. AGGREGATE SURFACE IS INCIDENTAL TO CROSSING OFFELD CROSSING AGGREGATE SECTION6 MINDOT CL. 5 AGGREGATE SURFACING
 RESTORATION. (GRAVEL ROAD AGGREGATE SECTION, SEE TYP. DITCH SLOPE-SLOPE @ .02'/FT ~20 CY MnDOT CL. III QUARRY STONE RIPRAP ON MnDOT TYPE 4 GEOTEXTILE FABRIC -CULVERT LTYP. ROAD DITCH SLOPE TOP OF RIPRAP DIRECTION OF FLOW @ DITCH FLOW LINE

TYPICAL GRAVEL ROAD AND FIELD CROSSING SECTION

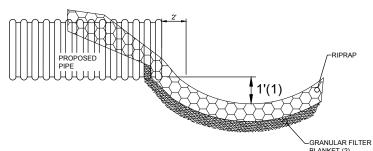
LRCP DITCH CULVERT (TIE ALL SECTIONS)



TYPICAL ROADWAY SECTION

 $\frac{\text{NOTES:}}{\text{REQUIREMENTS FOR RIPRAP SIZE AND THICKNESS WILL BE DESIGNATED IN}}$

FOR PIPES GREATER THAN OR EQUAL TO 30", USE 1.5'-2'
 THE CONTRACTOR, AT HIS OPTION, MAY SUBSTITUTE A GEOTEXTILE FABRIC, SPEC. 3601 FOR THE GRANULAR FILTER BLANKET. THE FABRIC SHOULD COVER THE FILTER BLANKET. THE FABRIC SHOULD COVER THE PIPE BY 3'.



TILE OUTLET	DETAIL
NTS	ΔG123

DIMENSIONS							
PIPE DIA.	RIPRAP						
12" TO 18"	4 CY CLASS III						
21" TO 27"	8 CY CLASS III						
30" TO 36"	12 CY CLASS III						
42" TO 48"	16 CY CLASS III						
54" & UP	20 CY CLASS IV						

KEY PLAN

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CHARLES J. BRANDEL

DATE 07/05/17 LIC. NO. 43359 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DUTY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

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MINNESOTA

AS-BUILT 12/13/2019

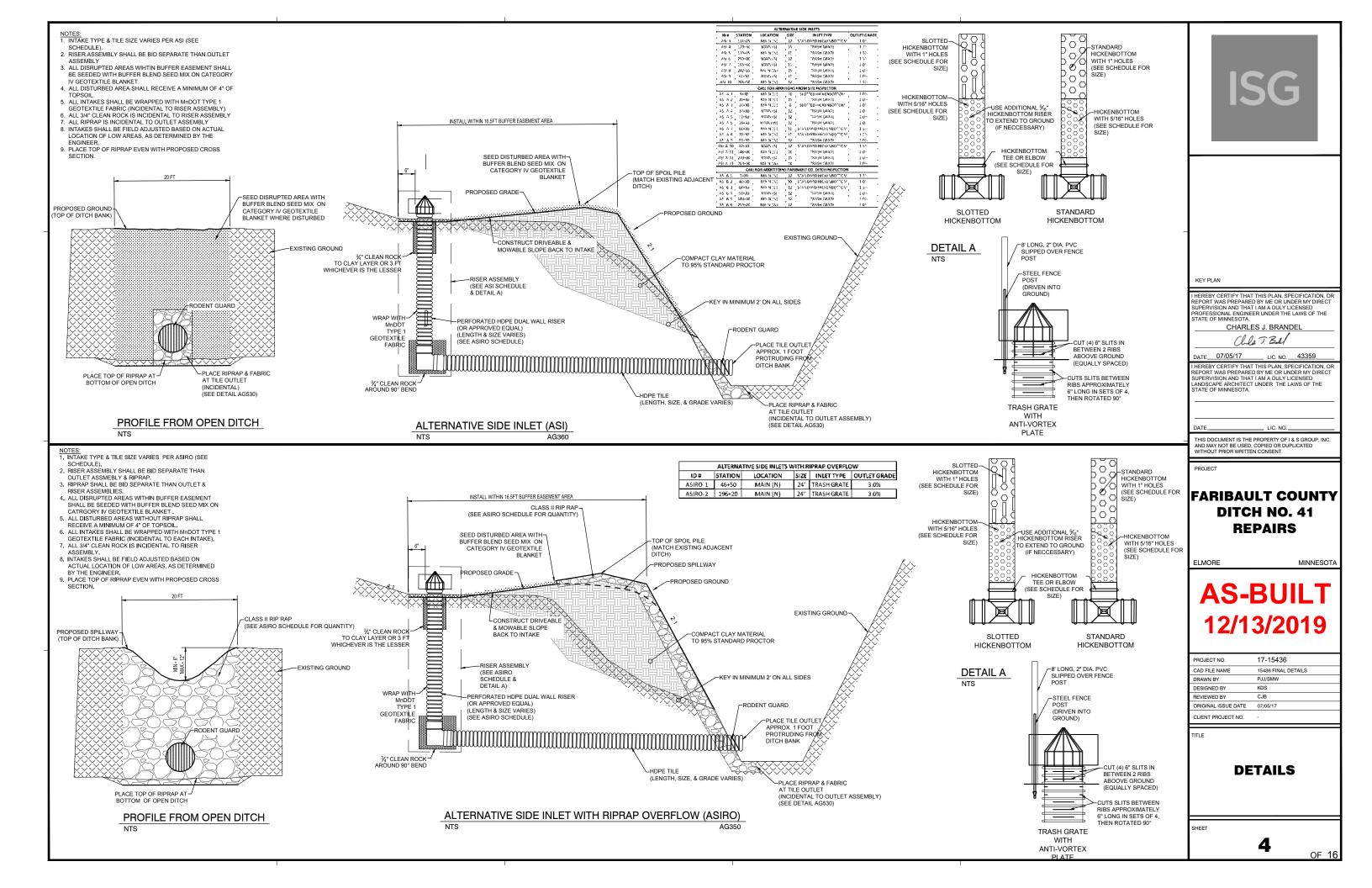
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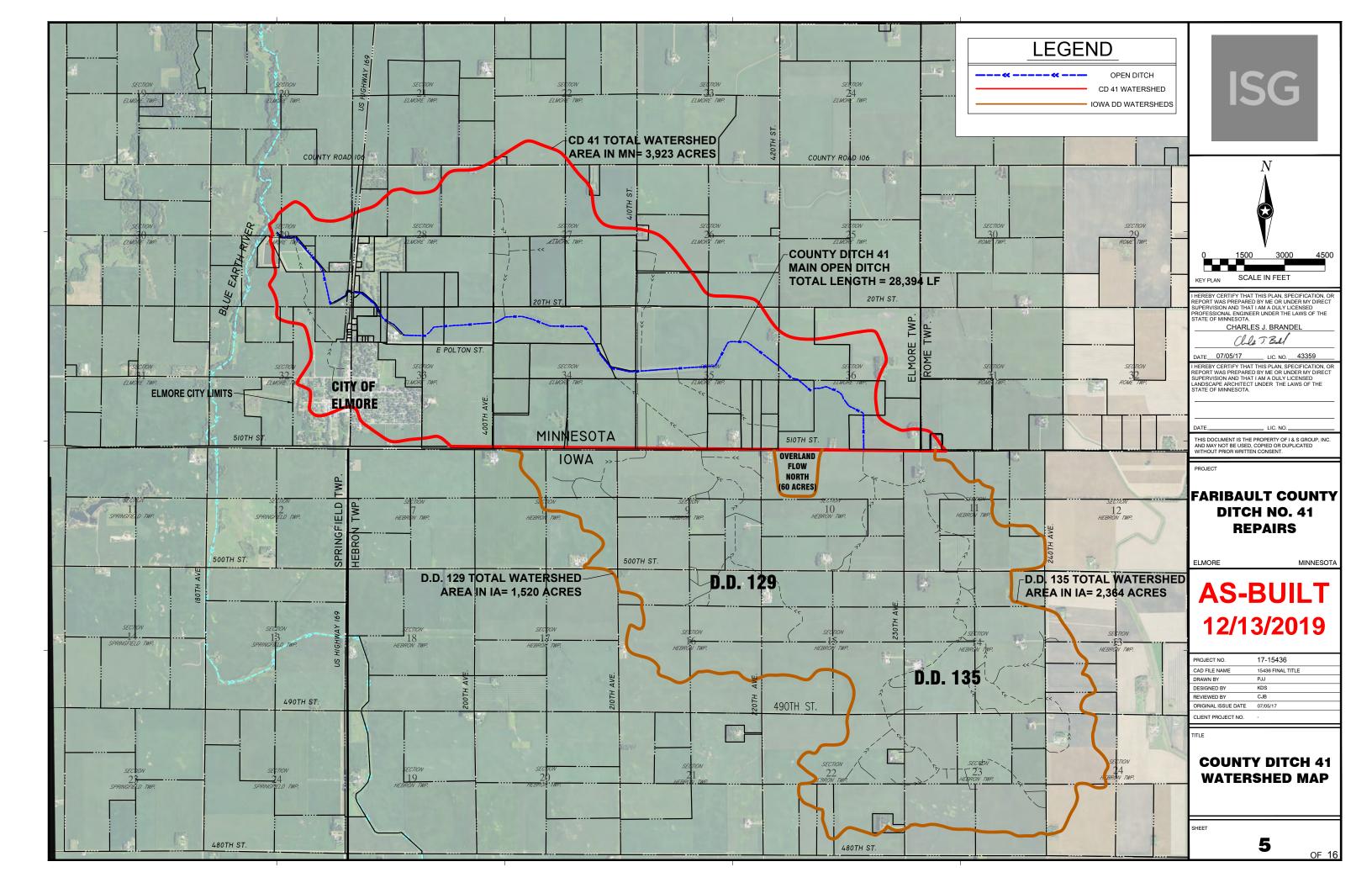
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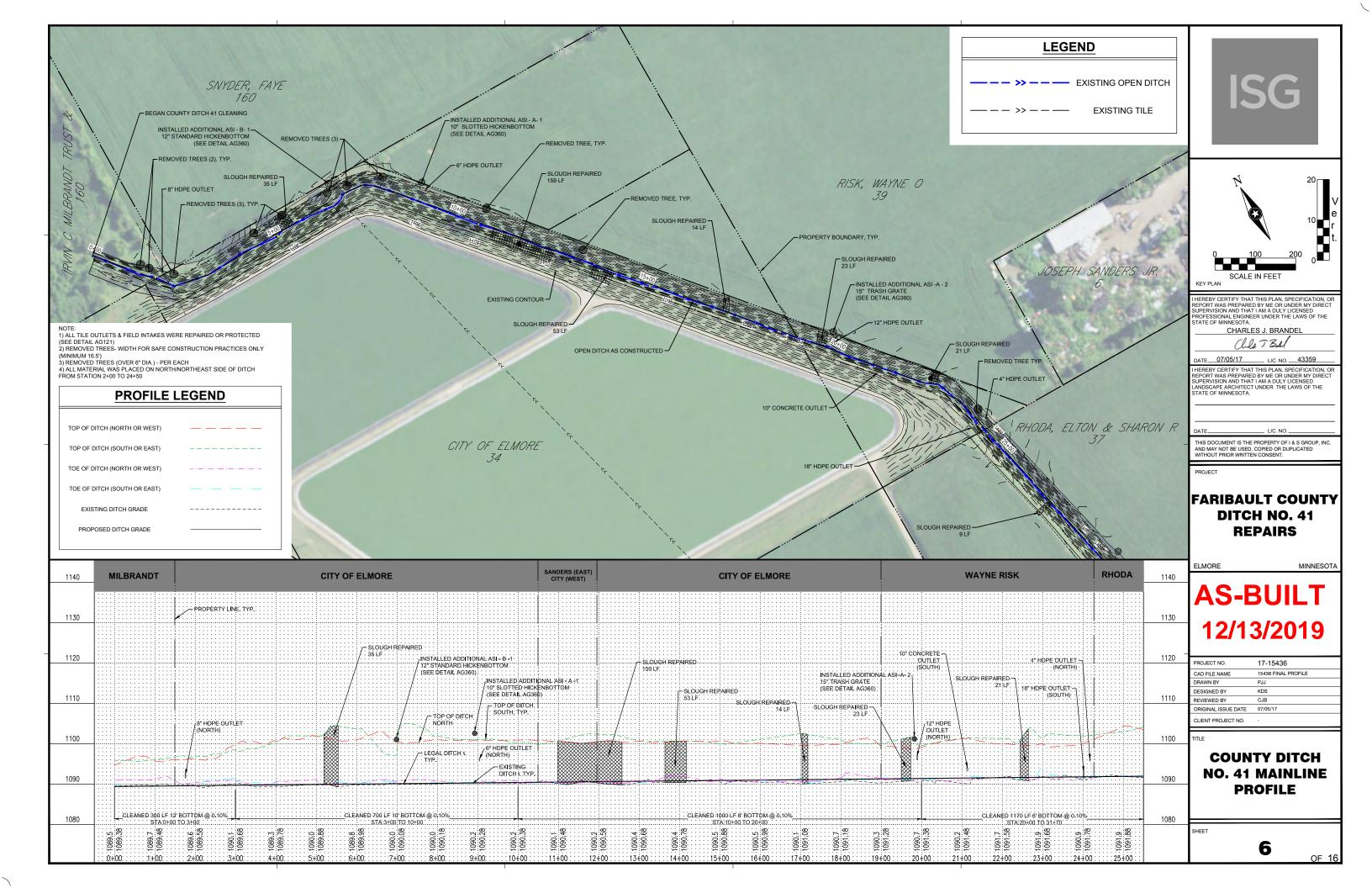
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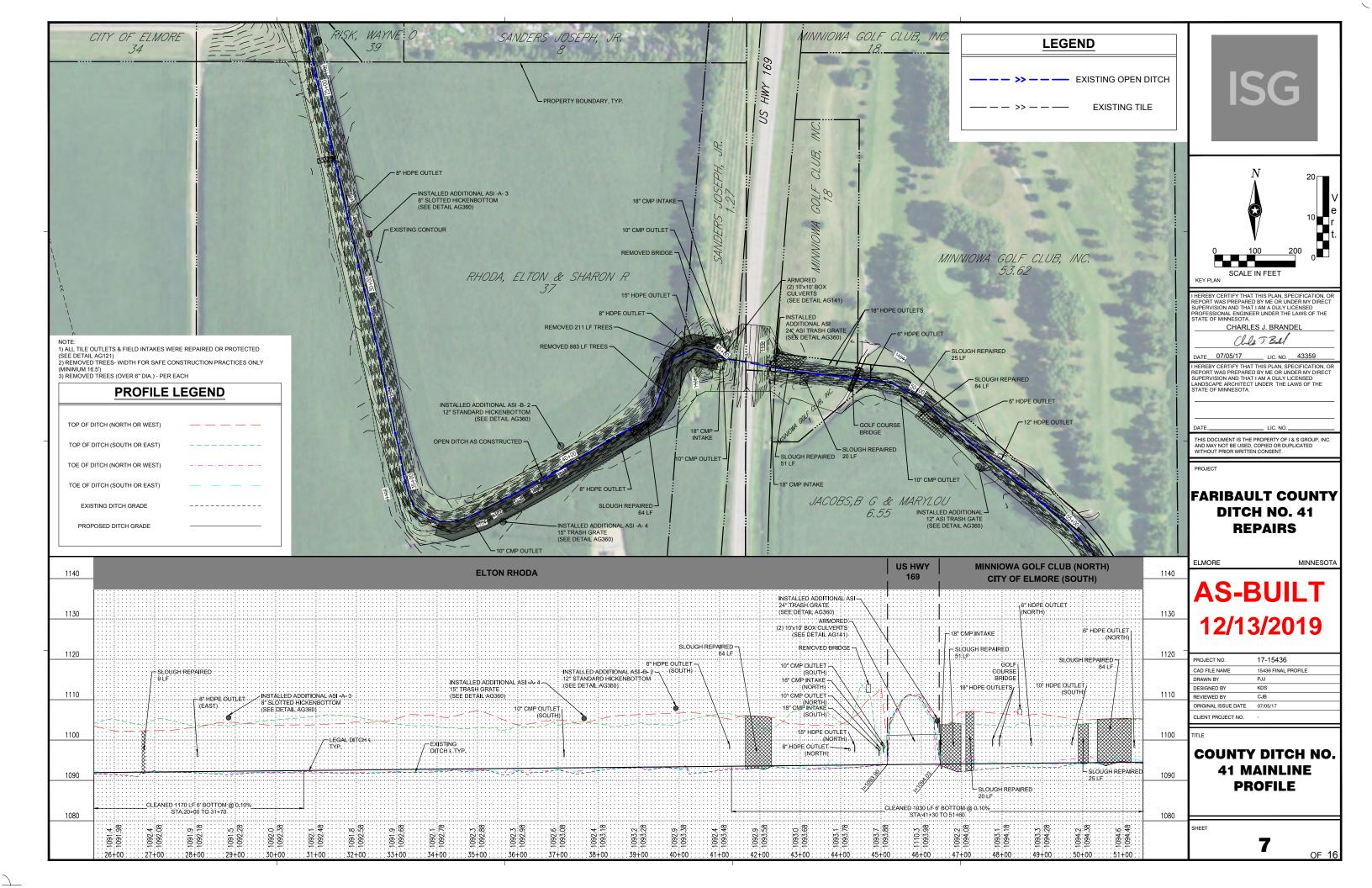
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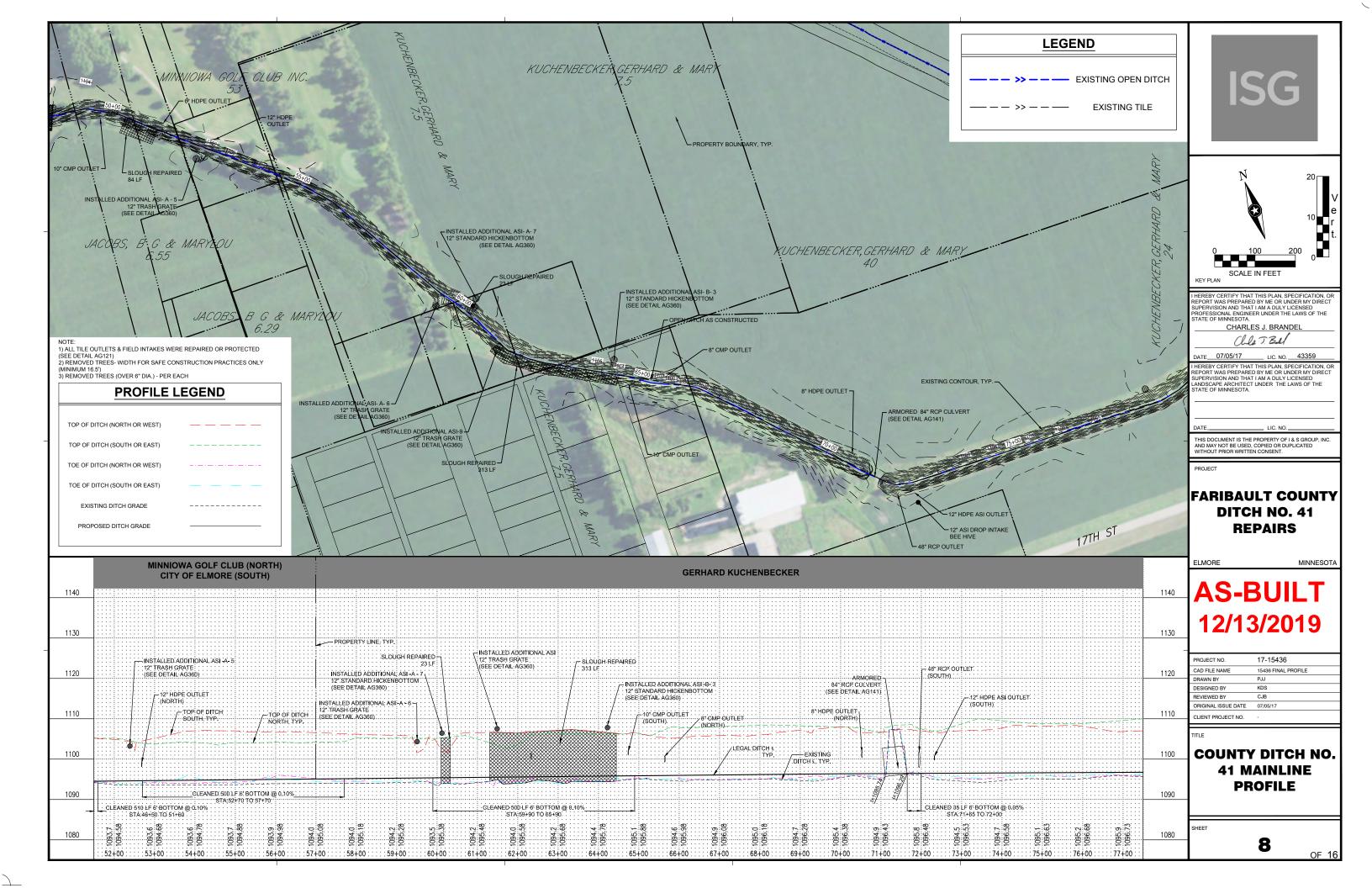
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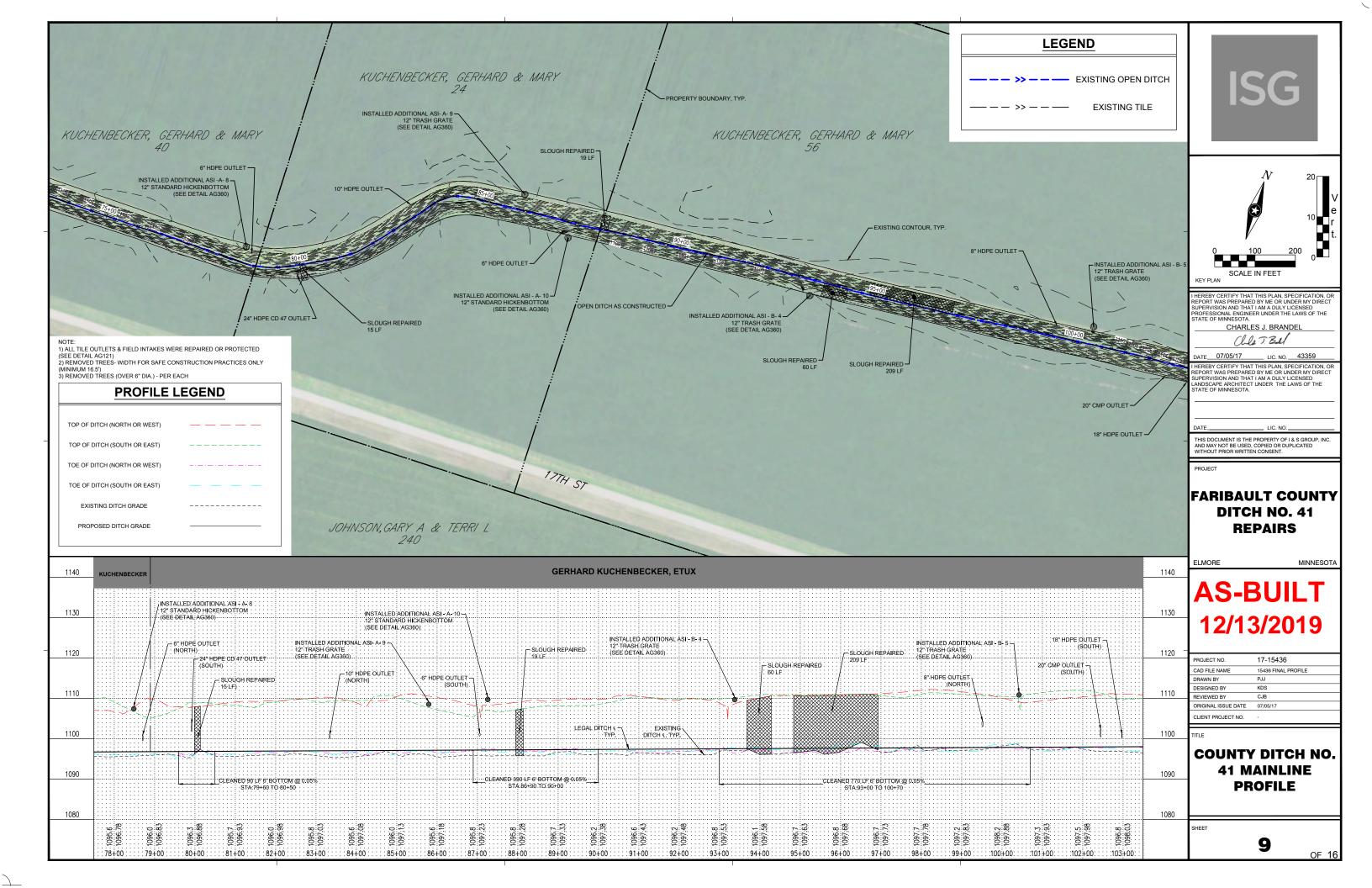


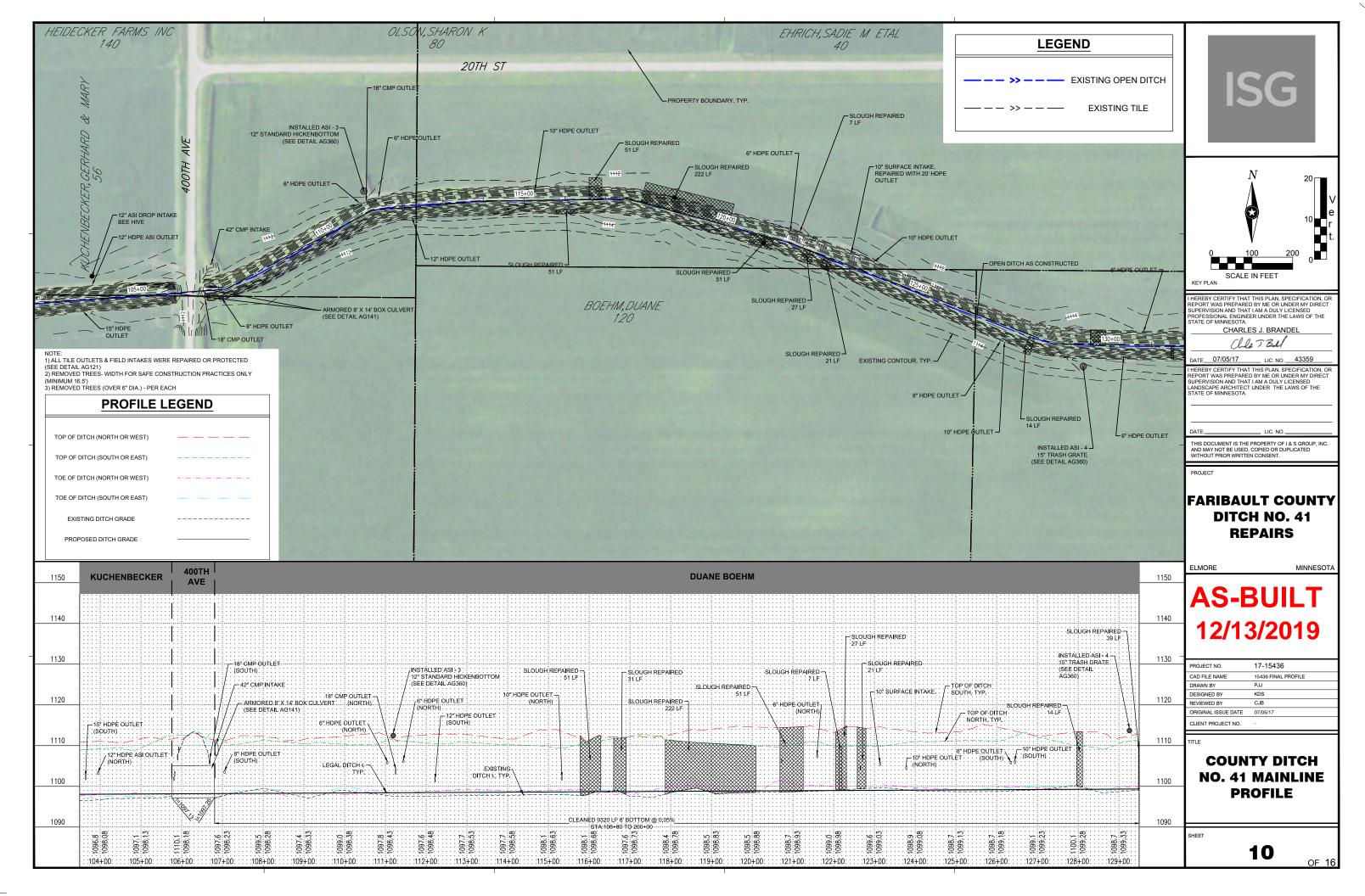




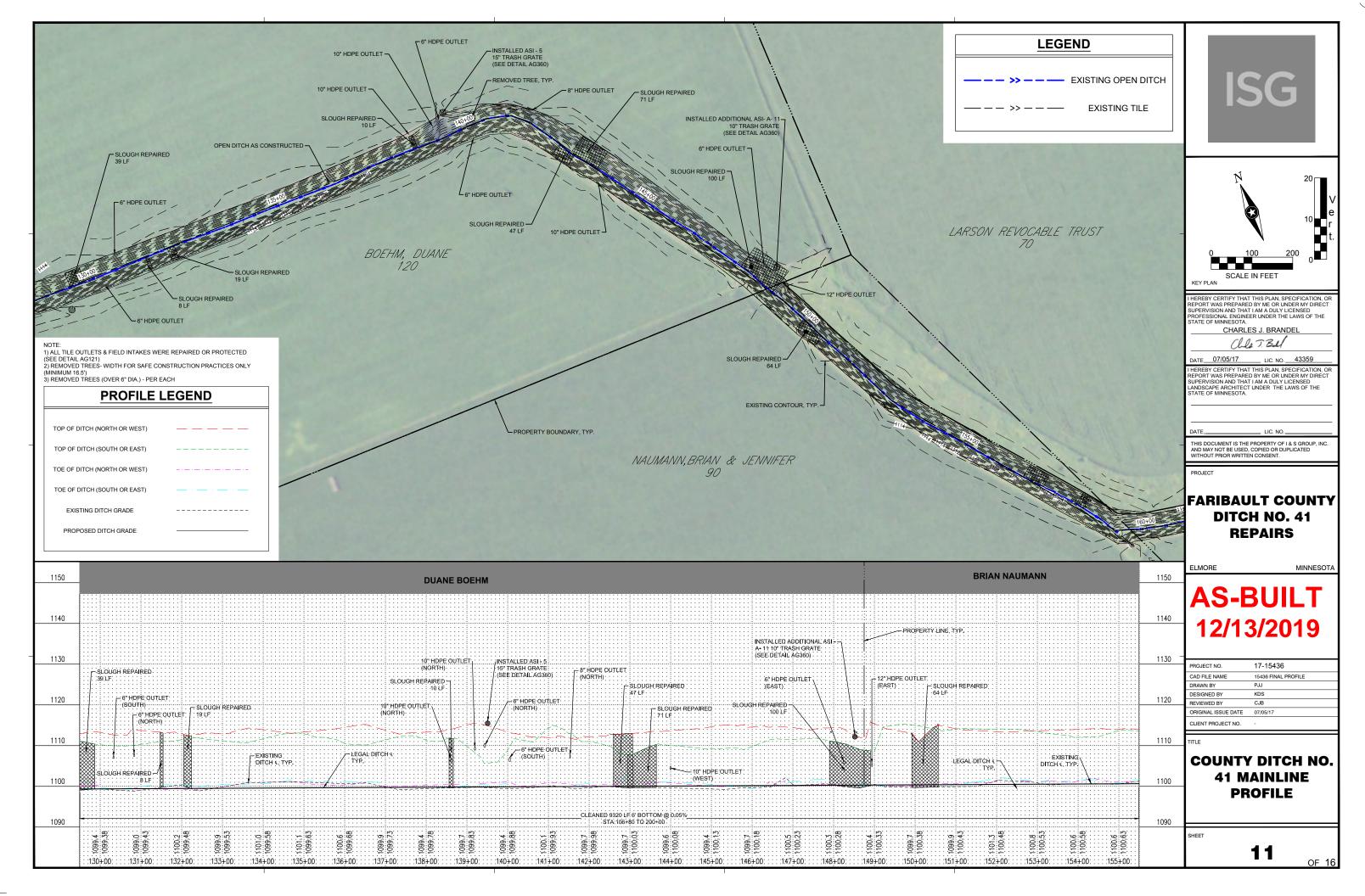




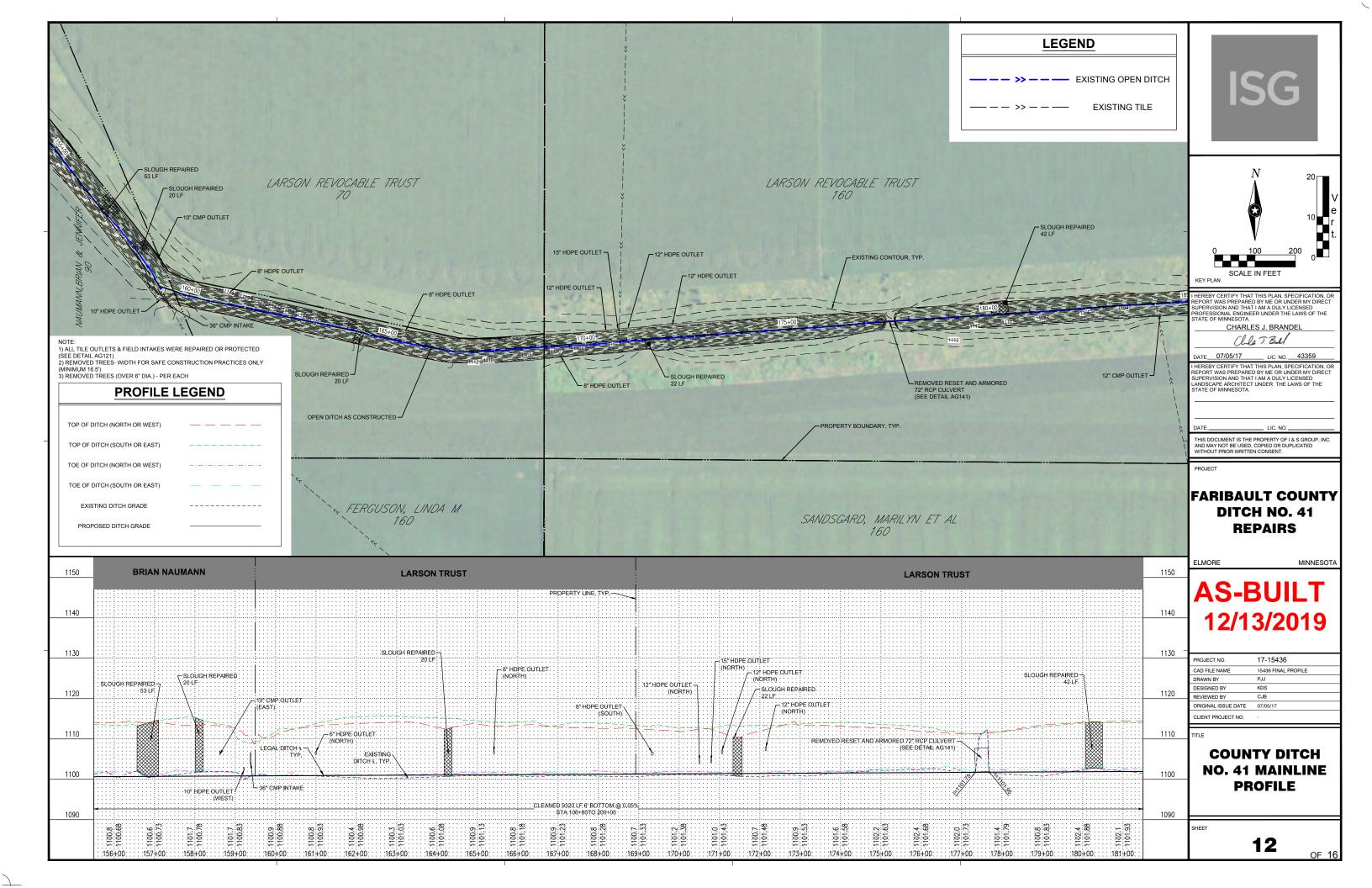


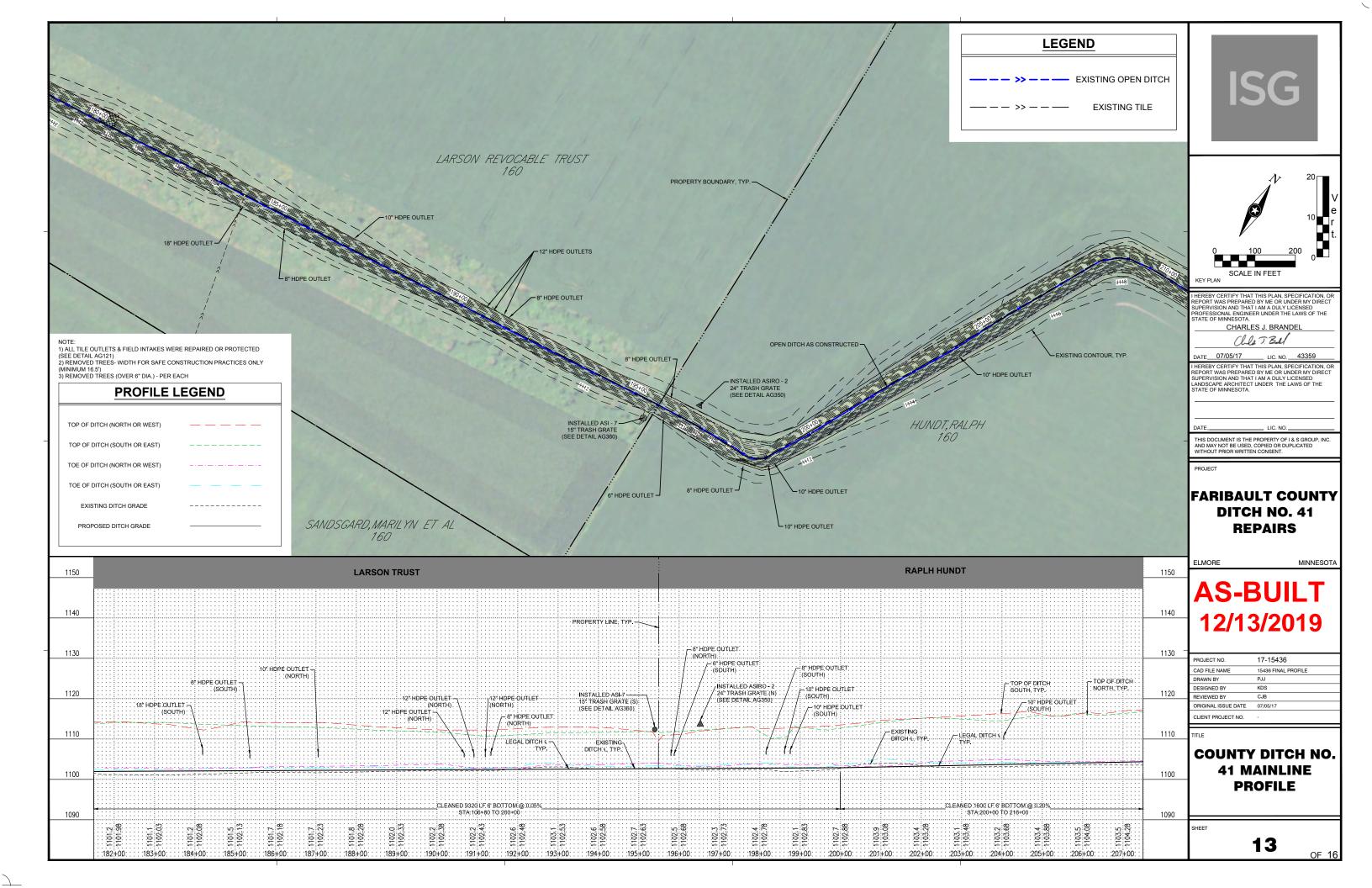


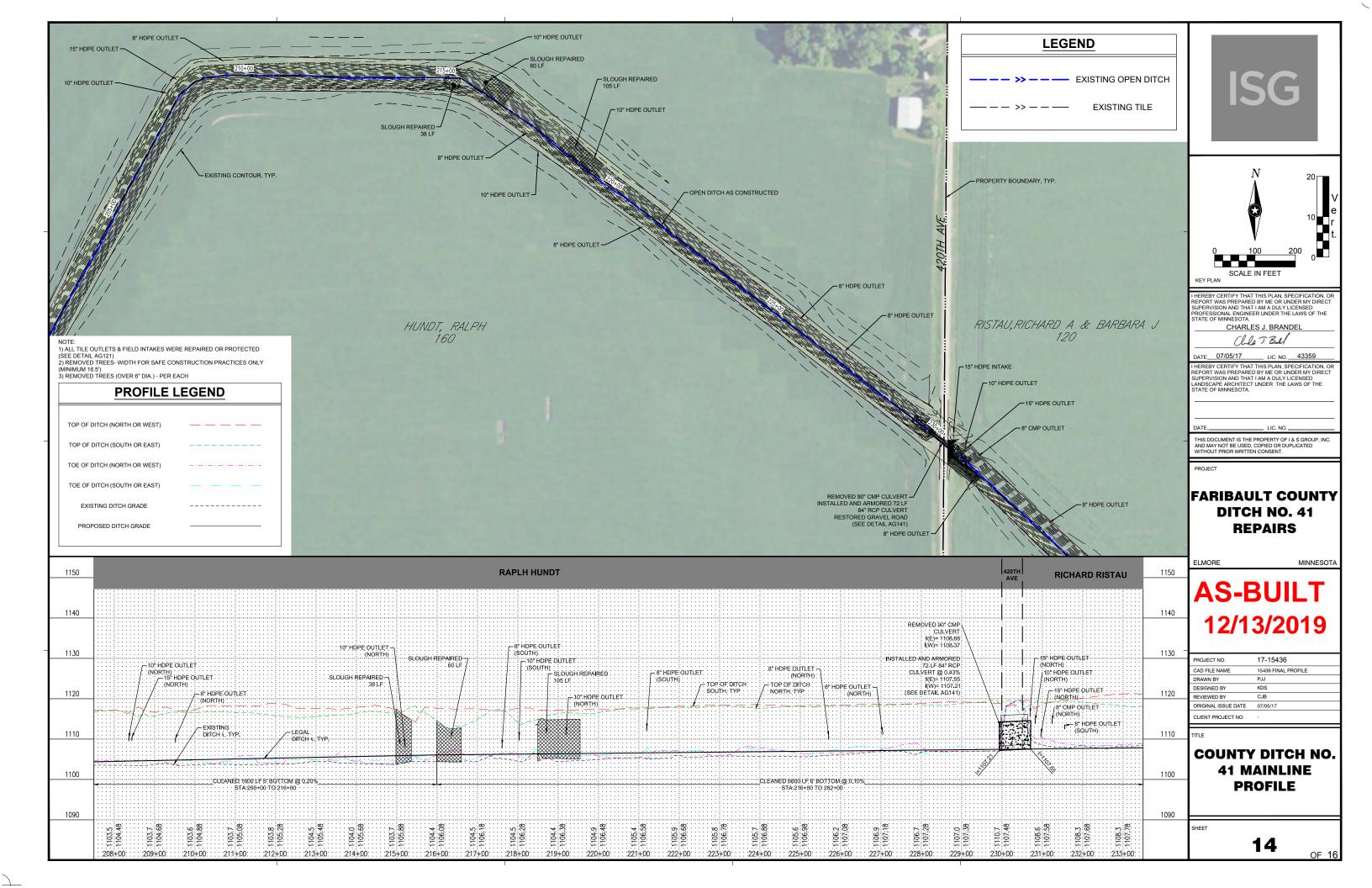
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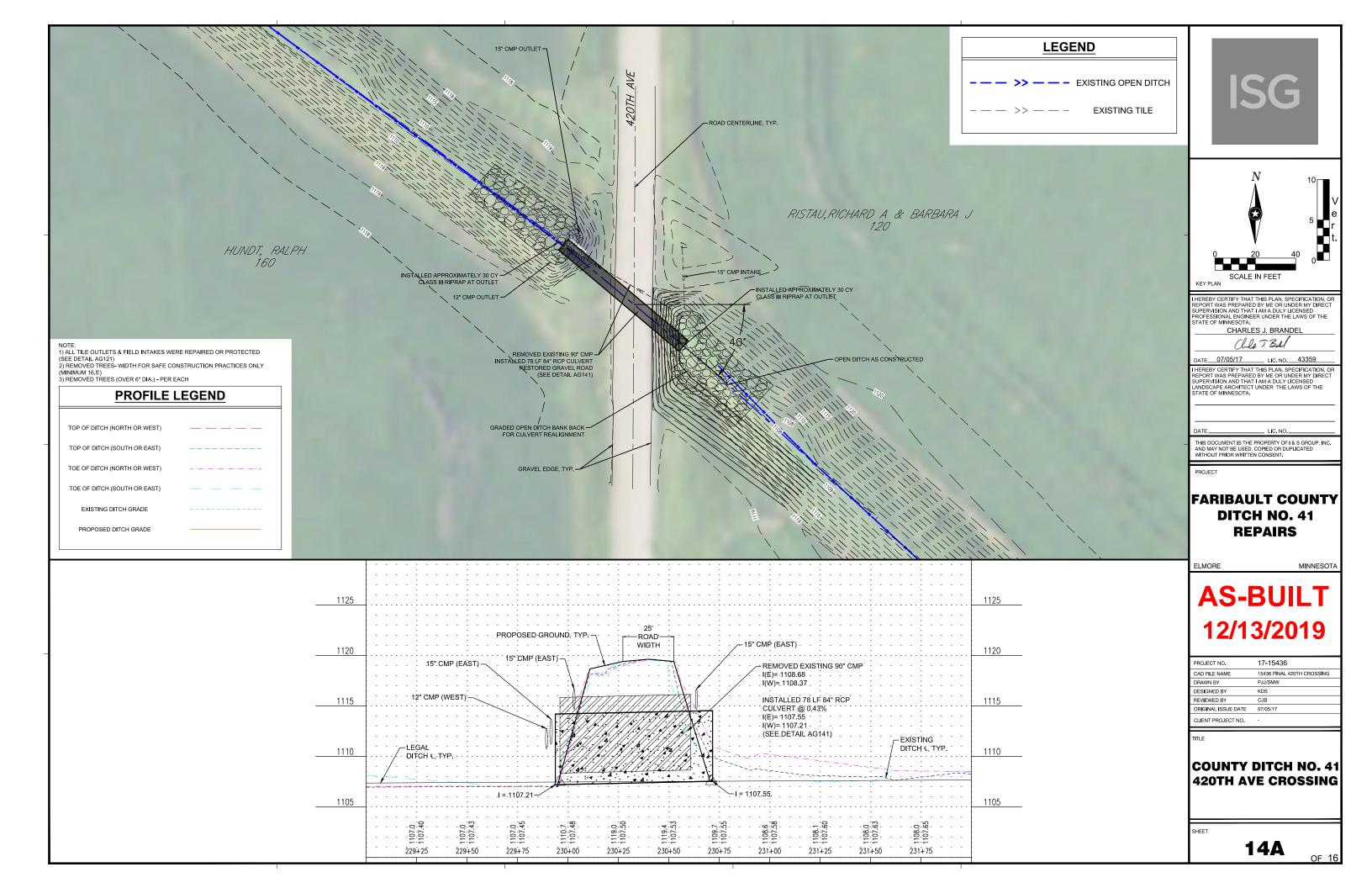


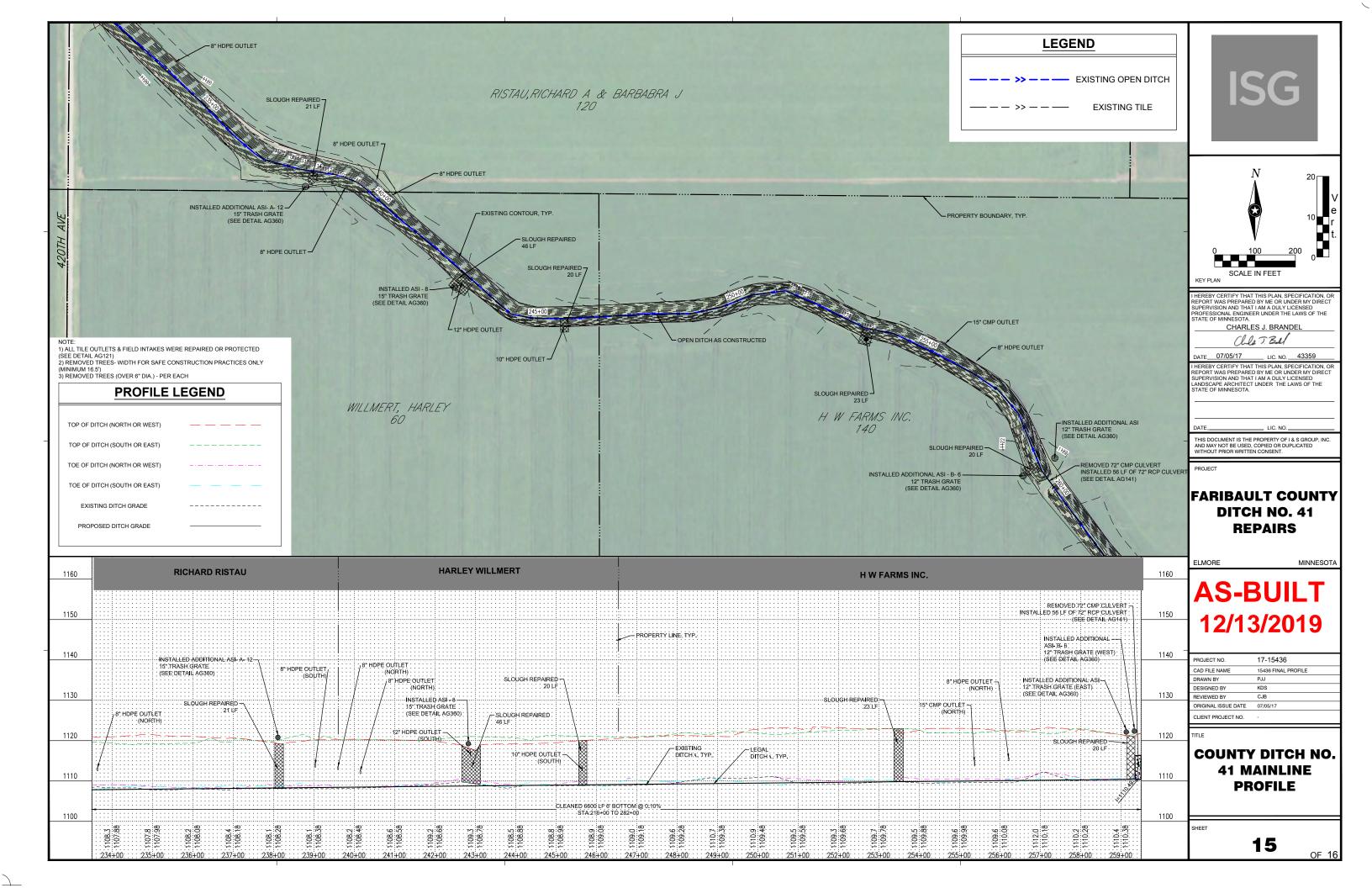
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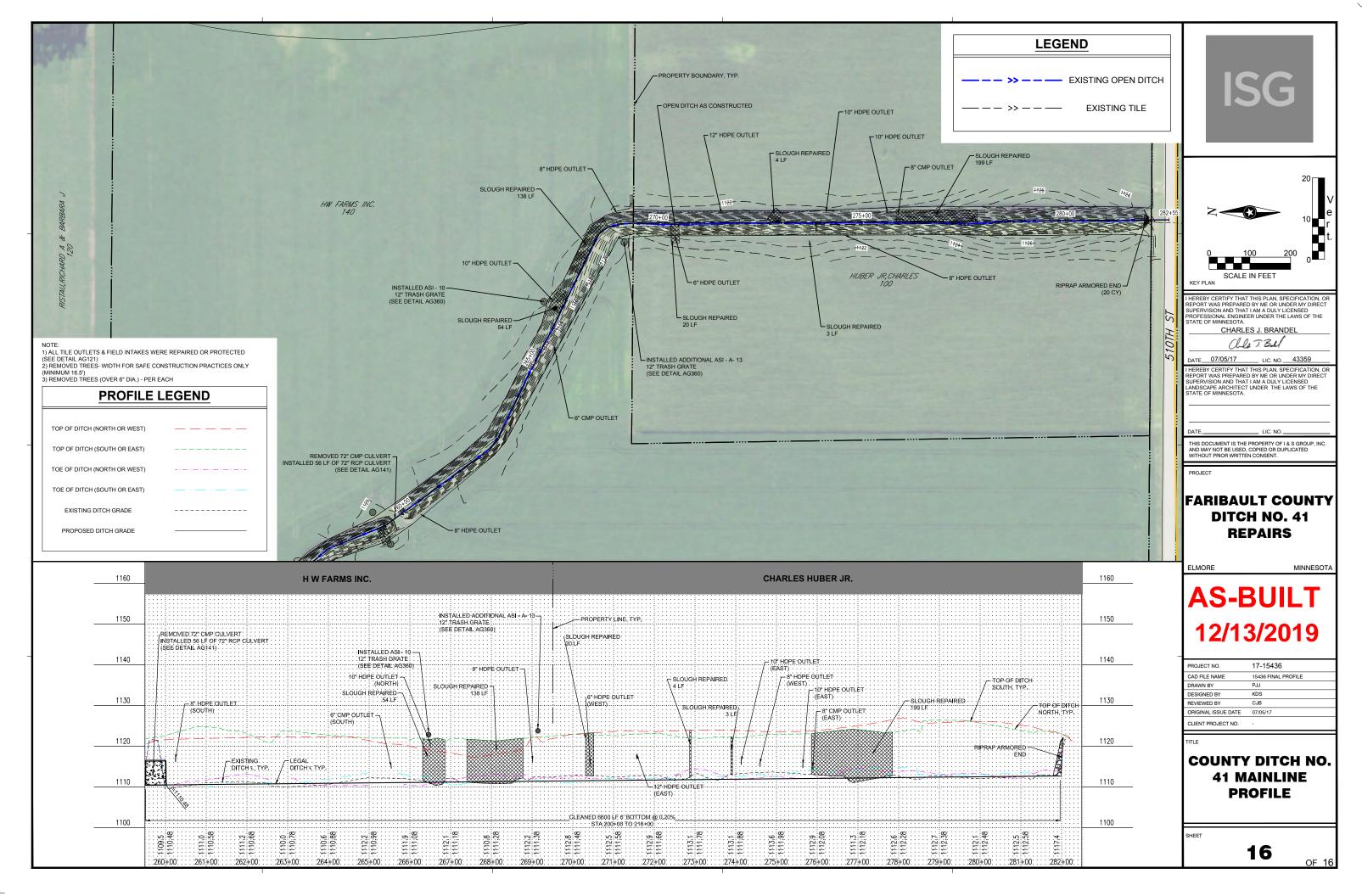












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