



PO Box 44
1124 Willis Ave
Perry, IA 50220

December 24, 2025

Drainage District No. 20 Trustees
114 N. Chestnut Street
Jefferson, IA 50129

Re: Amendment No. 1 to Drainage District No. 20 Engineer's Report

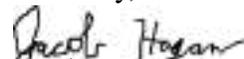
Dear Trustees,

This letter serves as Amendment No. 1 to the Engineer's Report presented at a public hearing on December 8th, 2025. After the hearing, several landowners asked us to consider additional lateral tiles to provide better outlets for the lands in the district. We have highlighted these below:

- Extend the main tile farther north and east to end in the SW SE of Section 5. This adds approximately 782 feet of 15" tile to the Main Tile, and provides a better outlet for those landowners.
- Improve the J.H. Schroeder Branch. We delayed proposing improving this lateral as a wetland was being discussed; however, if the wetland is not constructed, the tile is well undersized. We are proposing a new tile consisting of 1,400 feet of 24" tile, 743 feet of 18" tile, and 629 feet of 15" tile to fully replace the existing district tile. The DOT recently bored a new 18" tile under the road, which we will connect on to on both sides.
- Replace the lower main tile. The lower main tile, though providing greater than a ½" drainage coefficient if the upper lands are removed, is still over 110 years old and has been repaired several times. Replacing the lower main with a new tile will result in less maintenance costs. We have prepared plans with a proposed 15" tile for 1,500 feet and then 1,652 feet of 12" tile to provide a ½" drainage coefficient. The proposed tile closely follows the existing tile route. It also includes a road crossing under J Ave.

We have provided plans and a cost estimate for each additional tile line proposed.

Sincerely,


Jacob Hagan, P.E.

712-250-4318

jacob.agrivia@gmail.com

AgriVia PLLC

Estimated Costs - Main Tile Extension

Tile Improvements

Drainage District No. 20

Greene County, IA



Main Tile Extension Tile Construction Cost						
Item No.	Item Code	Bid Item	Est. Units	Unit	Est. Unit Price	Est. Amount
801	4020-A-1	DRAIN TILE, HDPE DUAL WALL, 15"	782	LF	\$25	\$ 19,550
802	6010-B	INTAKE, HD BAR GUARD, 15"	1	EA	\$450	\$ 450
803	6010-CUST	TILE CONNECTIONS, 10" AND SMALLER	2	EA	\$450	\$ 900
804	6010-CUST	REDUCER, HDPE, 18" TO 15"	1	EA	\$1,350	\$ 1,350
805	2010-CUST	EXCAVATION, EXPLORATORY	2	HR	\$270	\$ 540
806	3010-C	TRENCH FOUNDATION	8	TN	\$32	\$ 256
807	9010-A	CONVENTIONAL SEEDING, TYPE 5 SEED MIXTURE	2	AC	\$100	\$ 200
808	11,020-A	MOBILIZATION	1	LS	\$1,000	\$ 1,000
5% Construction Contingency						\$ 1,000
Subtotal Construction Cost						\$ 25,246.00

Additional Non-Construction Project Costs	
Expense Category	Est. Amount
Construction Damages	\$ 3,000
Interest	\$ 2,000
Subtotal Non-Construction Cost	\$ 5,000.00

Total Project Costs	
Expense	Est. Amount
Main Tile Extension Improvement	\$ 25,246
Additional Non-Construction Project Costs	\$ 5,000
Total Main Tile Extension Tile Improvement Cost	\$ 30,246
Total Main Tile Extension Tile Improvement Cost to Drainage District No. 20	\$ 30,246
Average Cost per Acre Benefitted (1558 Acres)	\$ 19

Estimated Costs - JH Schroeder Branch

Tile Improvements

Drainage District No. 20

Greene County, IA



JH Schroeder Branch Tile Construction Cost						
Item No.	Item Code	Bid Item	Est. Units	Unit	Est. Unit Price	Est. Amount
901	4020-A-1	DRAIN TILE, TRENCHED, CLASS III RCP, 24"	1400	LF	\$56	\$ 78,400
902	4020-A-1	DRAIN TILE, TRENCHED, CLASS III RCP OR HDPE DUAL WALL, 18"	743	LF	\$42	\$ 31,206
903	4020-A-1	DRAIN TILE, HDPE DUAL WALL, 15"	629	LF	\$25	\$ 15,725
904	4020-A-2	DRAIN TILE, HDPE DUAL WALL, 12"	122	LF	\$20	\$ 2,440
905	6010-B	INTAKE, HD BAR GUARD, 18"	1	EA	\$1,000	\$ 1,000
906	6010-B	INTAKE, HD BAR GUARD, 15"	1	EA	\$450	\$ 450
907	6010-CUST	TILE CONNECTIONS, 10" AND SMALLER	7	EA	\$450	\$ 3,150
908	6010-CUST	REDUCER, HDPE, 24" TO 15"	1	EA	\$1,660	\$ 1,660
909	6010-CUST	REDUCER, HDPE, 15" TO 12"	1	EA	\$740	\$ 740
910	2010-CUST	EXCAVATION, EXPLORATORY	2	HR	\$270	\$ 540
911	3010-C	TRENCH FOUNDATION	29	TN	\$32	\$ 928
912	9040-CUST	EROSION CONTROL PLAN	1	LS	\$250	\$ 250
913	9010-A	CONVENTIONAL SEEDING, TYPE 5 SEED MIXTURE	7	AC	\$100	\$ 700
914	9040-CUST	DRIVEWAY RESTORATION	2	EA	\$500	\$ 1,000
915	11,020-A	MOBILIZATION	1	LS	\$7,000	\$ 7,000
5% Construction Contingency						\$ 7,000
Subtotal Construction Cost						\$ 152,189.00

Additional Non-Construction Project Costs	
Expense Category	Est. Amount
Specifications and Construction Engineering	\$ 5,000
Construction Damages	\$ 10,600
Interest	\$ 13,000
Subtotal Non-Construction Cost	\$ 28,600.00

Total Project Costs	
Expense	Est. Amount
JH Schroeder Branch Improvement	\$ 152,189
Additional Non-Construction Project Costs	\$ 28,600
Total JH Schroeder Branch Tile Improvement Cost	\$ 180,789
Total JH Schroeder Branch Tile Improvement Cost to Drainage District No. 20	\$ 180,789
Average Cost per Acre Benefitted (275 Acres)	\$ 657

Estimated Costs - East Branch (Old Downstream Main)

Tile Improvements

Drainage District No. 20

Greene County, IA



East Branch Tile Construction Cost							
Item No.	Item Code	Bid Item	Est. Units	Unit	Est. Unit Price	Est. Amount	
1001	4020-A-1	DRAIN TILE, HDPE DUAL WALL, 15"	1480	LF	\$25	\$ 37,000	
1002	4020-A-1	DRAIN TILE, HDPE DUAL WALL, 12"	1677	LF	\$20	\$ 33,540	
1003	4020-A-2	DRAIN TILE, CMP, 18"	20	LF	\$20	\$ 400	
1004	6010-B	INTAKE, HD BAR GUARD, 15"	1	EA	\$450	\$ 450	
1005	6010-CUST	TILE CONNECTIONS, 10" AND SMALLER	8	EA	\$450	\$ 3,600	
1006	6010-CUST	REDUCER, HDPE, 15" TO 12"	1	EA	\$740	\$ 740	
1007	2010-CUST	EXCAVATION, EXPLORATORY	2	HR	\$270	\$ 540	
1008	3010-C	TRENCH FOUNDATION	32	TN	\$32	\$ 1,024	
1009	9040-CUST	EROSION CONTROL PLAN	1	LS	\$250	\$ 250	
1010	9010-A	CONVENTIONAL SEEDING, TYPE 5 SEED MIXTURE	4	AC	\$100	\$ 400	
1011	9040-J	RIPRAP, CLASS E	25	TN	\$75	\$ 1,875	
1012	9040-CUST	DRIVEWAY RESTORATION	1	EA	\$500	\$ 500	
1013	11,020-A	MOBILIZATION	1	LS	\$3,000	\$ 3,000	
						5% Construction Contingency	\$ 4,000
						Subtotal Construction Cost	\$ 87,319.00

County Secondary Roads Construction Cost							
Item No.	Item Code	Bid Item	Est. Units	Unit	Est. Unit Price	Est. Amount	
1101	4020-A-1	DRAIN TILE, TRENCHED, CLASS III RCP, 12", R-2 BEDDING	66	LF	\$38	\$ 2,508	
1102	6010-CUST	TEE, RCP, 12" ON 12"	2	EA	\$690	\$ 1,380	
1103	6010-B	INTAKE, HICKENBOTTOM, 12"	2	EA	\$1,000	\$ 2,000	
1104	9040-CUST	EROSION CONTROL PLAN	1	LS	\$250	\$ 250	
1105	9010-A	CONVENTIONAL SEEDING, TYPE 2 SEED MIXTURE	0.1	AC	\$2,000	\$ 200	
1106	2010-CUST	EXCAVATION, EXPLORATORY	2	HR	\$270	\$ 540	
1107	8030-A	TRAFFIC CONTROL	1	LS	\$350	\$ 350	
1108	11,020-A	MOBILIZATION	1	LS	\$400	\$ 400	
						5% Construction Contingency	\$ 400
						Subtotal Construction Cost	\$ 8,028.00

Additional Non-Construction Project Costs	
Expense Category	Est. Amount
Specifications and Construction Engineering	\$ 5,000
Construction Damages	\$ 5,400
Interest	\$ 8,500
Subtotal Non-Construction Cost	\$ 18,900.00

Total Project Costs	
Expense	Est. Amount
East Branch Improvement	\$ 87,319
Greene County Secondary Roads	\$ 8,028
Additional Non-Construction Project Costs	\$ 18,900
Total FA Moran Branch Tile Improvement Cost	\$ 114,247
Total East Branch Tile Improvement Cost to Drainage District No. 20	\$ 106,219
Average Cost per Acre Benefitted (1558 Acres)	\$ 68

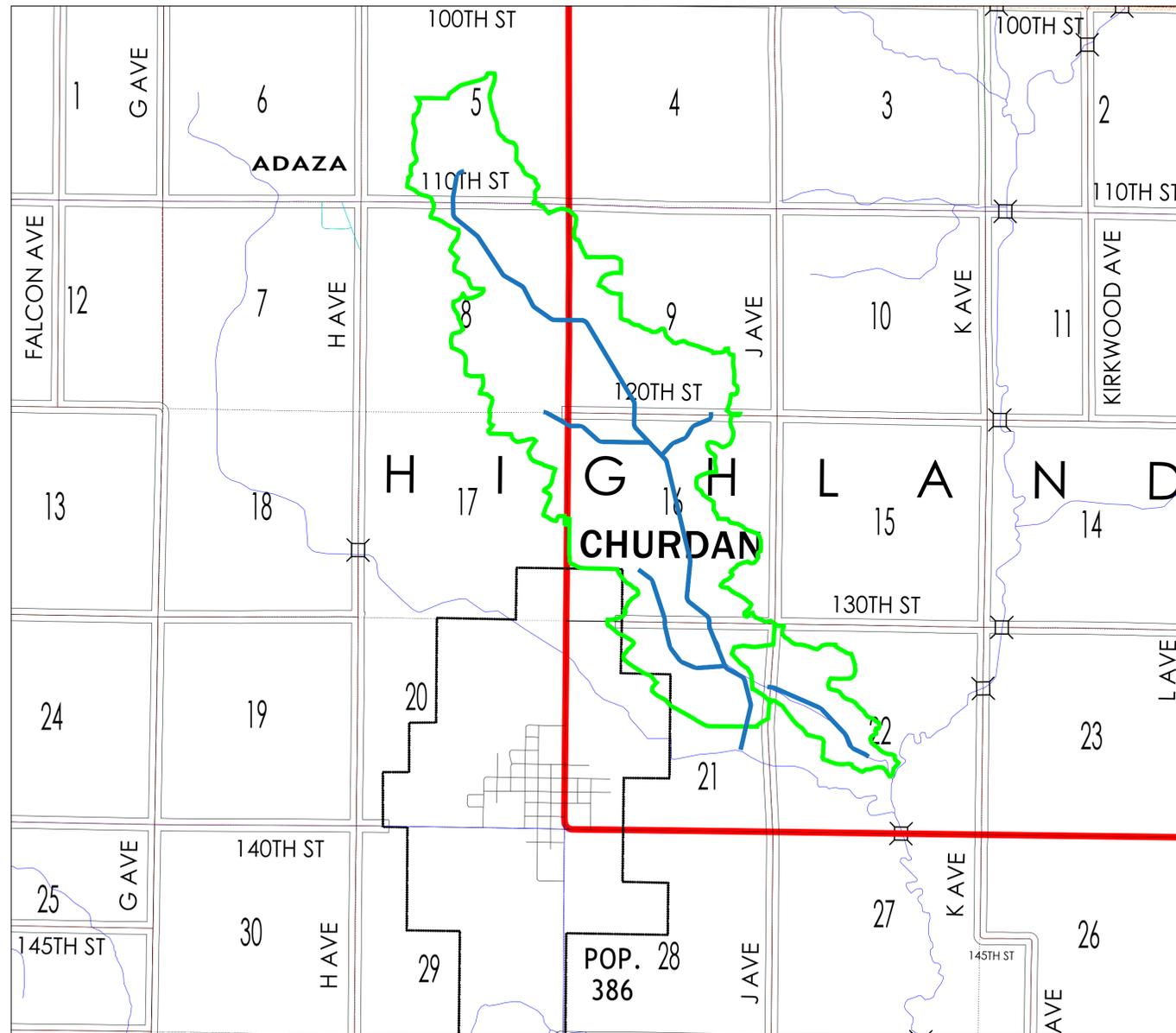
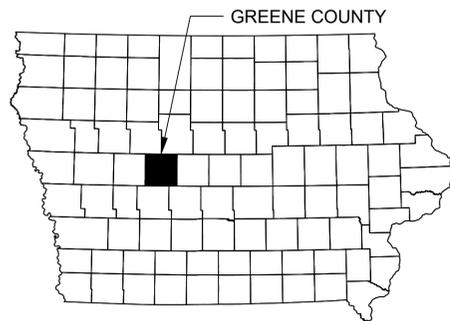
PROPOSED PLANS FOR DRAINAGE DISTRICT NO. 20 TILE IMPROVEMENTS GREENE COUNTY, IA 2025



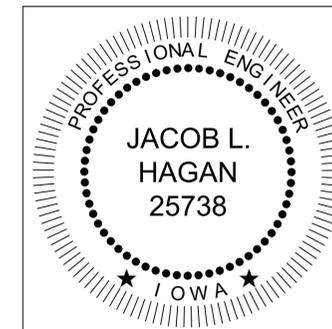
The contractor shall field verify exact locations prior to commencing construction as required by state law. Notify Iowa One Call, 811 or 1-800-292-8989.

Specifications
Unless otherwise noted, the governing standards for this project shall be the 2025 edition of the Iowa Statewide Urban Design and Specifications (SUDAS) for Public Improvements, supplemented where referenced by the Iowa Department of Transportation's Standard Specifications for Highway and Bridge Construction, Series 2023, along with all active general supplemental specifications, materials, instructional memoranda, and relevant special provisions.

Where conflicts arise, the stricter requirement shall take precedence. Complete compliance with all applicable federal, state, and local laws, ordinances, and regulations is mandatory throughout the project's execution.



Sheet Number	Sheet Title
A.01	Title Sheet
A.02	District Plat
M.01	Main Tile (Sta 0 -> 28+00)
M.02	Main Tile (Sta 28+00 -> 58+00)
M.03	Main Tile (Sta 58+00 -> 88+00)
M.04	Main Tile (Sta 88+00 -> 118+00)
M.05	Main Tile (Sta 118+00 -> 148+00)
M.06	Main Tile (Sta 148+00 -> 178+00)
M.07	Main Tile (Sta 178+00 -> 179+82)
M.08	1st Timmons Branch Tile (Sta 0+00 -> 29+00)
M.09	1st Timmons Branch Tile (Sta 29+00 -> 38+00)
M.10	FA Moran Branch Tile (Sta 0+00 -> 17+50)
M.11	East Branch Tile (Sta 0+00 -> 29+00)
M.12	East Branch Tile (Sta 29+00 -> 32+18)
M.13	JH Schroeder Branch (Sta 0+00 -> 29+50)
V.01	Boring Sheet - Main Tile (Sta 125+65 -> 126+85) (State Hwy 4)
V.02	Boring Sheet - Main Tile (Sta 170+42 -> 171+42) (110th St / Co Rd E13)



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.

Jacob L. Hagan, P.E. (date)
License No. 25738
My license renewal date is December 31, 2026.
Pages or sheets covered by this seal:

All



Company Information
AgriVia PLLC
PO Box 44
1124 Willis Ave
Perry, IA 50220

Designer
TJB
Drafter
TJB
Checker
JLH

Notes
PLAN LEGEND
Proposed District Tile
Old District Tile
Benefitted Area

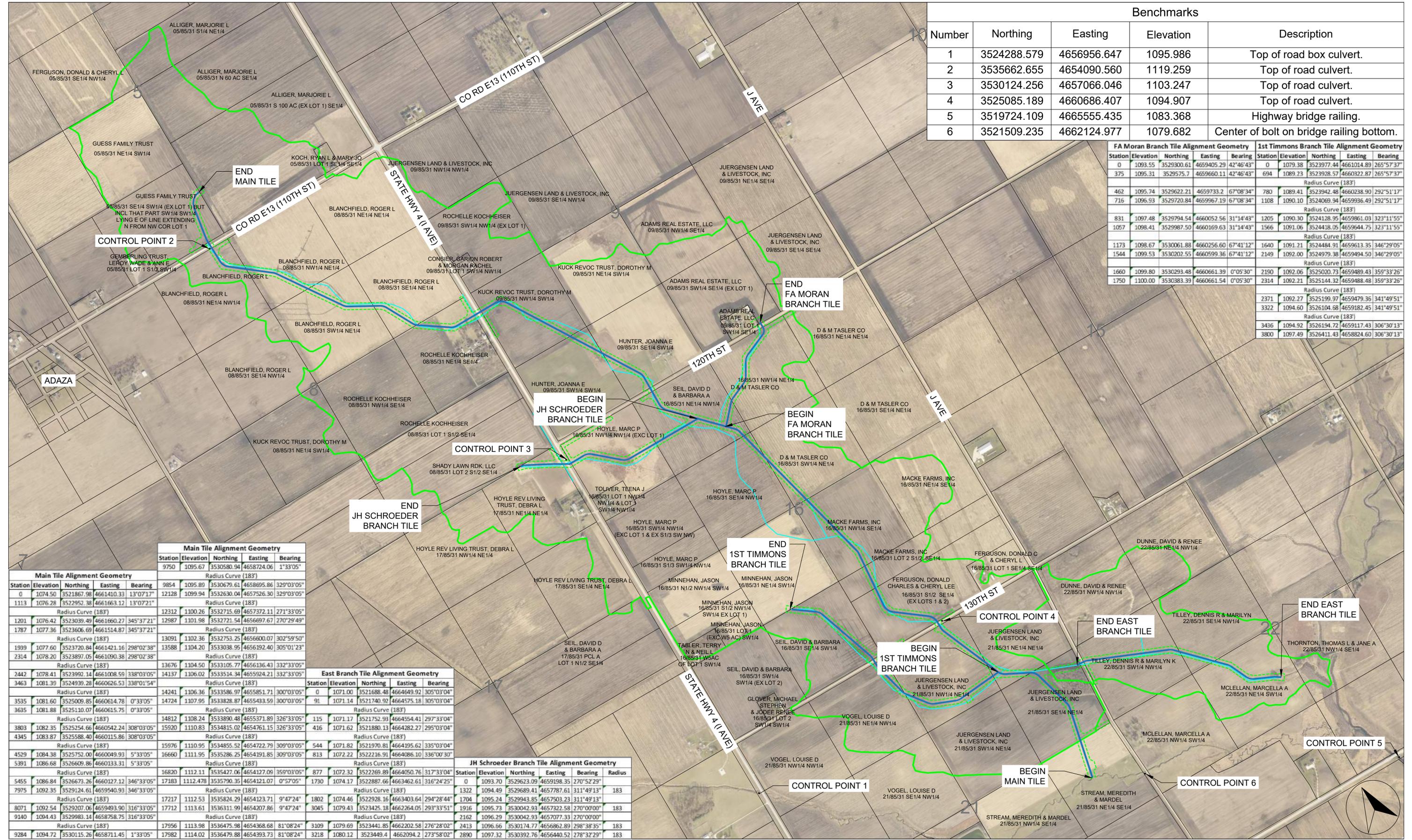
Project Datum:
State Plane, IA83-NF
NAVD 88

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Title Sheet

Project Name, Client, and Address
Tile Improvements
Drainage District No. 20
Greene County, IA
J Ave & 130th St, Churdan, IA 50050

Project 2502-37	Sheet A.01
Date 2025-12-16	
Plan Scale 1" = 4000'	



Benchmarks				
Number	Northing	Easting	Elevation	Description
1	3524288.579	4656956.647	1095.986	Top of road box culvert.
2	3535662.655	4654090.560	1119.259	Top of road culvert.
3	3530124.256	4657066.046	1103.247	Top of road culvert.
4	3525085.189	4660686.407	1094.907	Top of road culvert.
5	3519724.109	4665555.435	1083.368	Highway bridge railing.
6	3521509.235	4662124.977	1079.682	Center of bolt on bridge railing bottom.

FA Moran Branch Tile Alignment Geometry					1st Timmons Branch Tile Alignment Geometry				
Station	Elevation	Northing	Easting	Bearing	Station	Elevation	Northing	Easting	Bearing
0	1093.55	3529300.61	4659405.29	42°46'43"	0	1079.38	3523977.44	4661014.89	265°57'37"
375	1095.31	3529575.7	4659660.11	42°46'43"	694	1089.23	3523928.57	4660322.87	265°57'37"
Radius Curve (183')									
462	1095.74	3529622.21	4659733.2	67°08'34"	780	1089.41	3523942.48	4660238.90	292°51'17"
716	1096.93	3529720.84	4659967.19	67°08'34"	1108	1090.10	3524069.94	4659936.49	292°51'17"
Radius Curve (183')									
831	1097.48	3529794.54	4660052.56	31°14'43"	1205	1090.30	3524128.95	4659861.03	323°11'55"
1057	1098.41	3529887.50	4660169.63	31°14'43"	1566	1091.06	3524438.05	4659644.75	323°11'55"
Radius Curve (183')									
1173	1098.67	3530061.88	4660256.60	67°41'12"	1640	1091.21	3524484.91	4659613.35	346°29'05"
1544	1099.53	3530202.55	4660599.36	67°41'12"	2149	1092.00	3524979.38	4659494.50	346°29'05"
Radius Curve (183')									
1660	1099.80	3530293.48	4660661.39	0°05'30"	2190	1092.06	3525020.73	4659489.43	359°33'26"
1750	1100.00	3530383.39	4660661.54	0°05'30"	2314	1092.21	3525144.32	4659488.48	359°33'26"
Radius Curve (183')									
2371	1092.27	3525199.97	4659479.36	341°49'51"					
3322	1094.60	3526104.68	4659182.45	341°49'51"					
Radius Curve (183')									
3436	1094.92	3526194.72	4659117.43	306°30'13"					
3800	1097.49	3526411.43	4658824.60	306°30'13"					

Main Tile Alignment Geometry				
Station	Elevation	Northing	Easting	Bearing
0	1074.50	3521867.98	4661410.33	13°07'17"
1113	1076.28	3522952.38	4661663.12	13°07'21"
Radius Curve (183')				
1201	1076.42	3523039.49	4661660.27	345°37'21"
1787	1077.36	3523606.69	4661514.87	345°37'21"
Radius Curve (183')				
1939	1077.60	3523720.84	4661421.16	298°02'38"
2314	1078.20	3523897.05	4661090.38	298°02'38"
Radius Curve (183')				
2442	1078.41	3523992.14	4661008.59	338°03'05"
3463	1081.39	3524939.28	4660626.53	338°01'54"
Radius Curve (183')				
3535	1081.60	3525009.85	4660614.78	0°33'05"
3635	1081.88	3525110.07	4660615.75	0°33'05"
Radius Curve (183')				
3803	1082.35	3525254.66	4660542.24	308°03'05"
4345	1083.87	3525588.40	4660115.86	308°03'05"
Radius Curve (183')				
4529	1084.38	3525752.00	4660049.93	5°33'05"
5391	1086.68	3526609.86	4660133.31	5°33'05"

East Branch Tile Alignment Geometry				
Station	Elevation	Northing	Easting	Bearing
0	1071.00	3521688.48	4664649.92	305°03'04"
91	1071.14	3521740.92	4664575.18	305°03'04"
Radius Curve (183')				
115	1071.17	3521752.93	4664554.41	297°33'04"
416	1071.62	3521880.13	4664282.27	295°03'04"
Radius Curve (183')				
544	1071.82	3521970.81	4664395.62	335°03'04"
813	1072.22	3522216.91	4664086.10	336°00'30"

JH Schroeder Branch Tile Alignment Geometry				
Station	Elevation	Northing	Easting	Bearing
0	1093.70	3529623.09	4659198.35	270°52'29"
1730	1074.17	3522887.66	4663462.61	316°24'25"
Radius Curve (183')				
1802	1074.46	3522928.16	4663403.64	294°28'44"
3045	1079.43	3523425.18	4662264.05	293°33'51"
Radius Curve (183')				
2162	1096.29	3530042.93	4657077.33	270°00'00"
2413	1096.66	3530174.77	4656862.89	298°38'35"
Radius Curve (183')				
2890	1097.32	3530392.76	4656440.52	278°32'29"



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
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 Checker
JLH

Notes	
Proposed District Tile	
Old District Tile	
Benefitted Lands	
Parcel Lines	
Work Limits (ROW)	

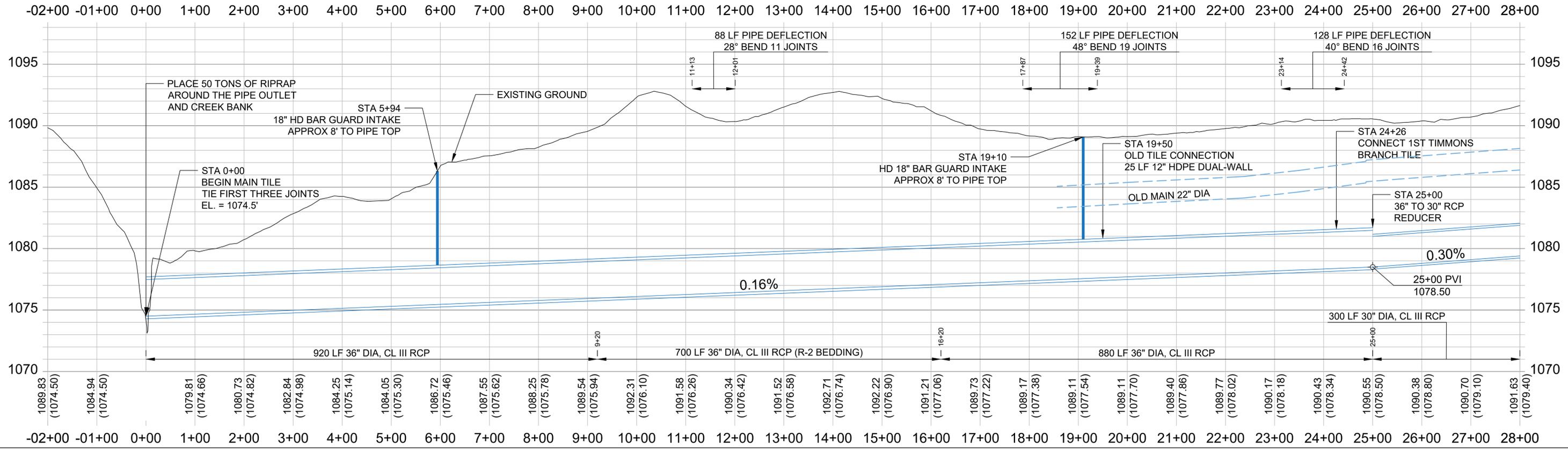
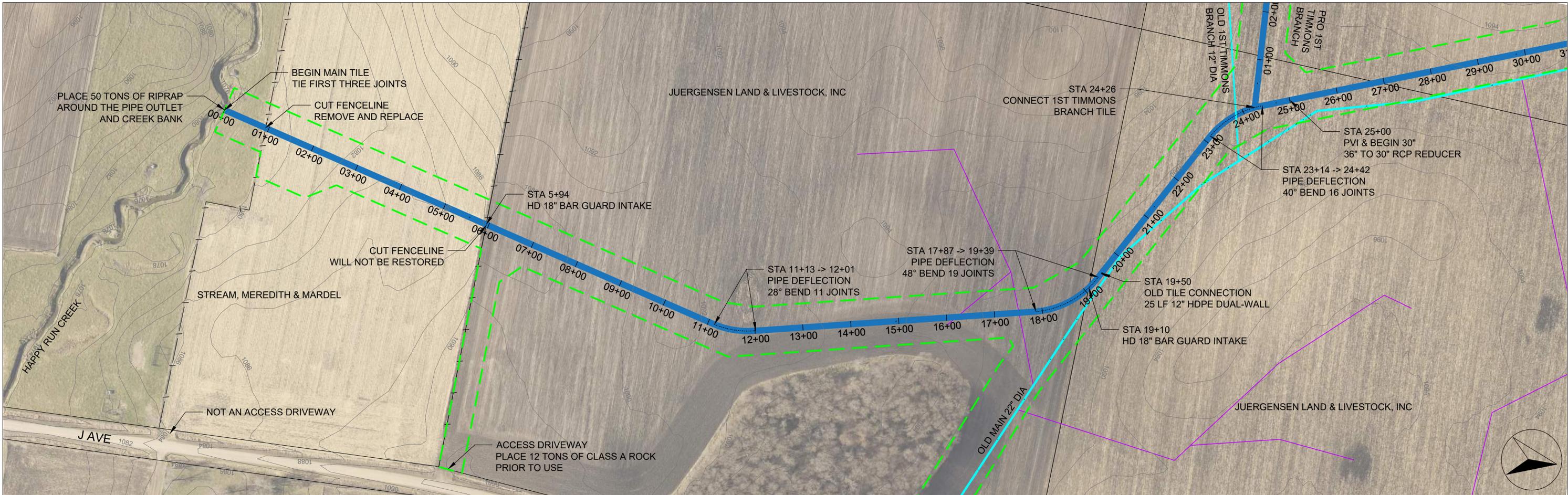
No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
District Plat

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project
2502-37
 Date
2025-12-16
 Plan Scale
1" = 650'

Sheet
A.02



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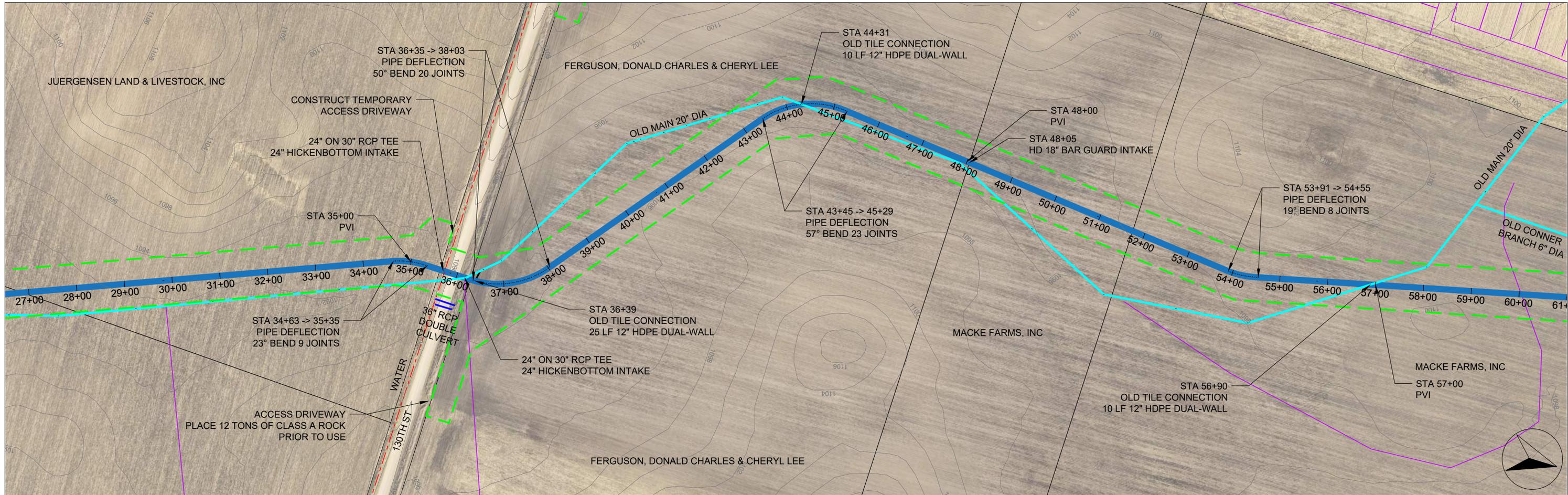
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Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

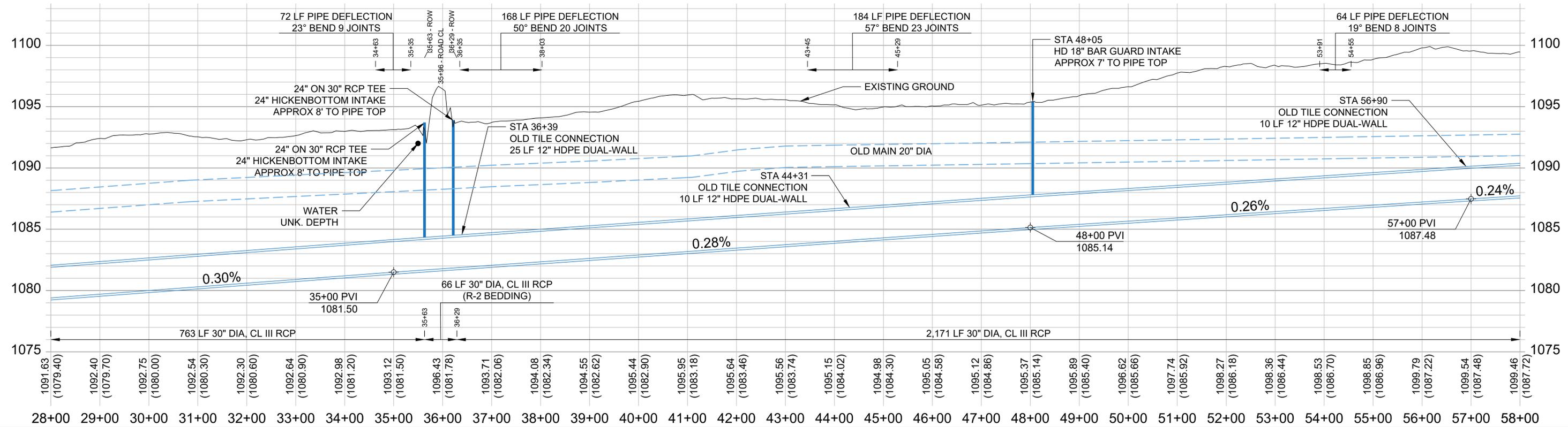
Sheet Name
Main Tile
 Sta 0+00 -> 28+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.01
Date	2025-12-16		
Plan Scale	1" = 200'		



28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00



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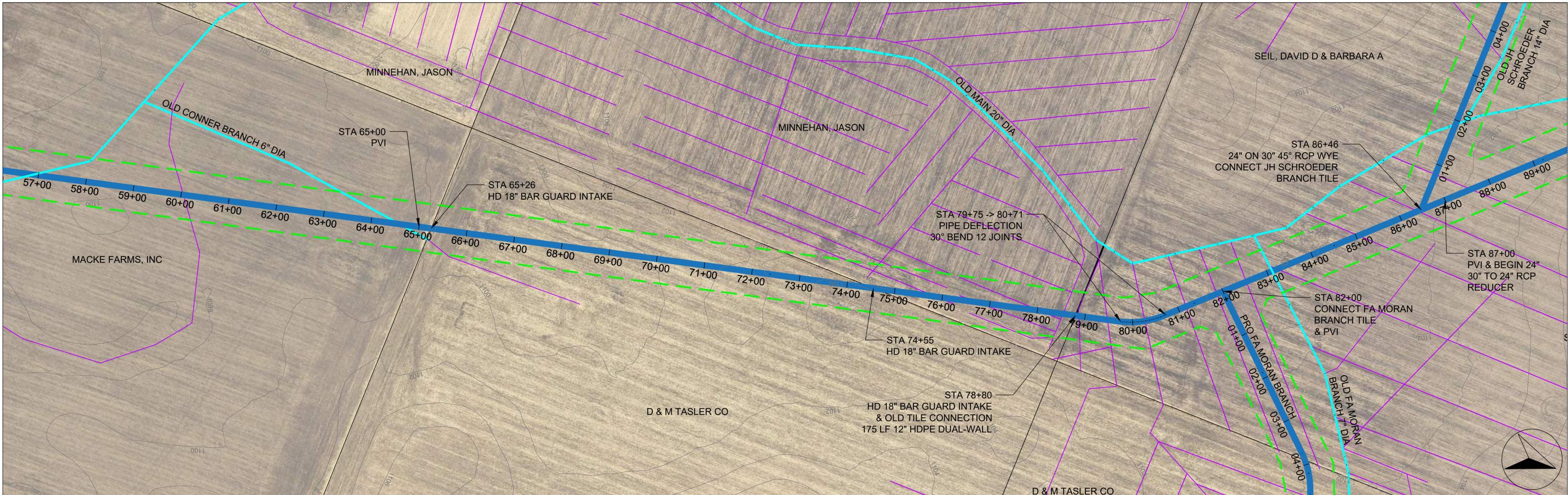
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Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
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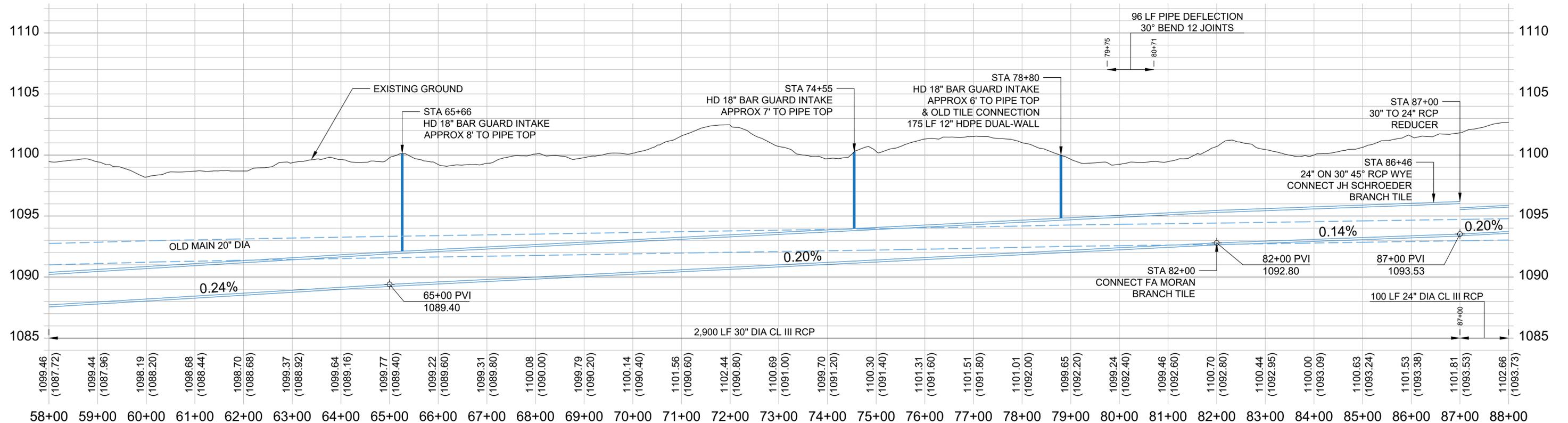
Sheet Name
Main Tile
 Sta 28+00 -> 58+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet M.02
Date	2025-12-16	
Plan Scale	1" = 200'	



58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00 86+00 87+00 88+00



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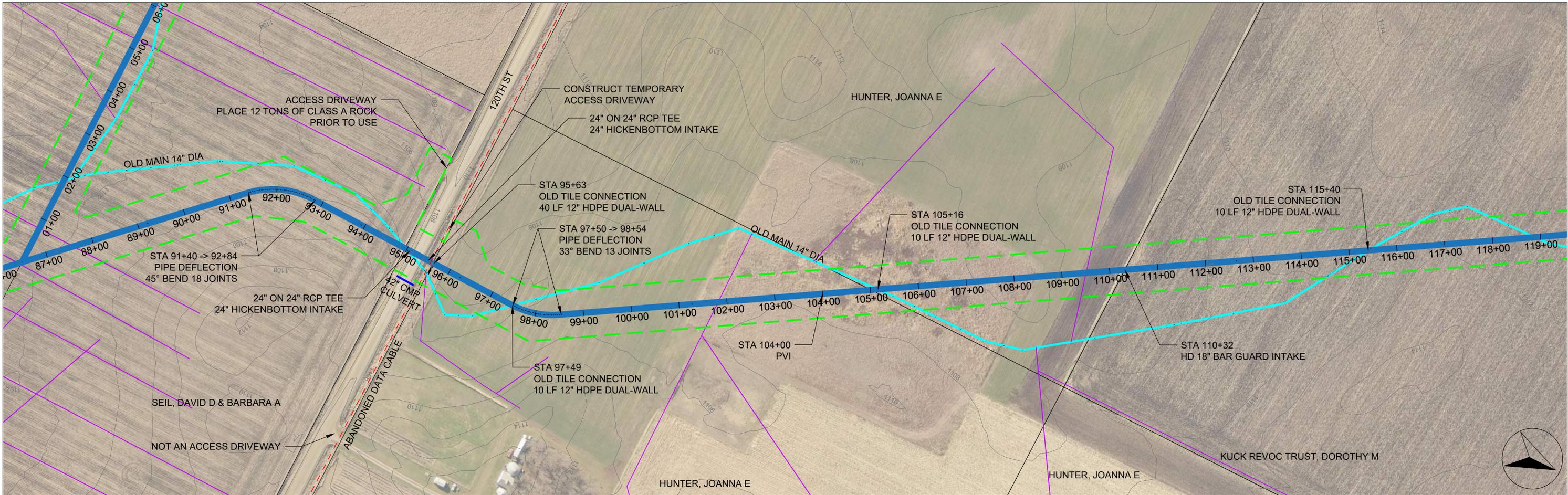
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

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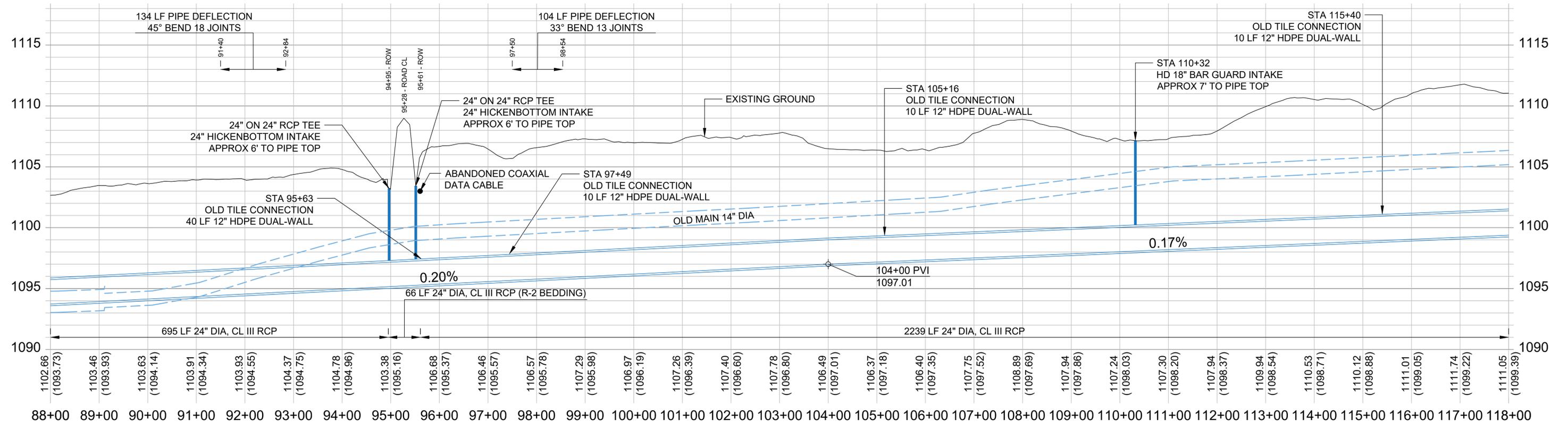
Sheet Name
Main Tile
 Sta 58+00 -> 88+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet M.03
Date	2025-12-16	
Plan Scale	1" = 200'	



88+00 89+00 90+00 91+00 92+00 93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00



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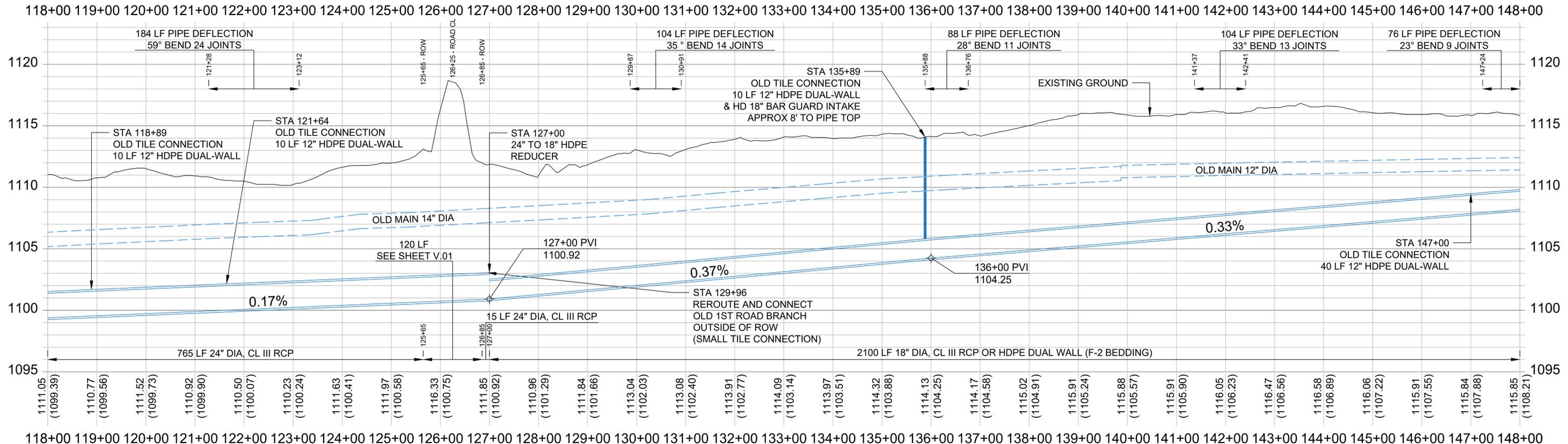
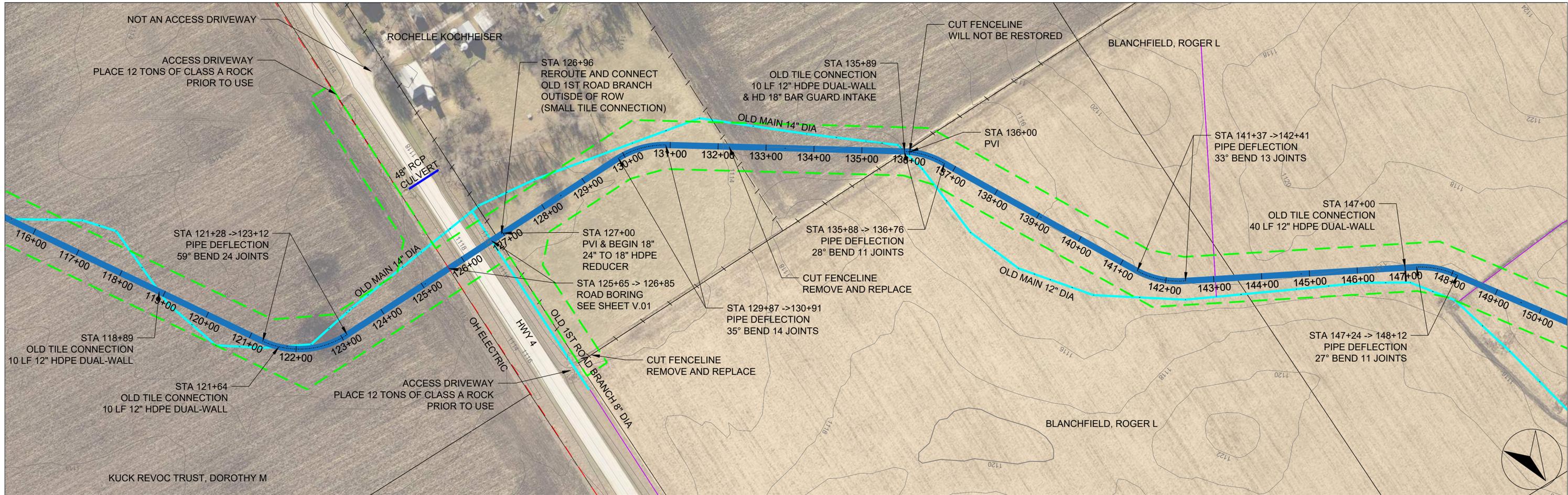
Notes	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Main Tile
 Sta 88+00 -> 118+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.04
Date	2025-12-16		
Plan Scale	1" = 200'		



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

Notes

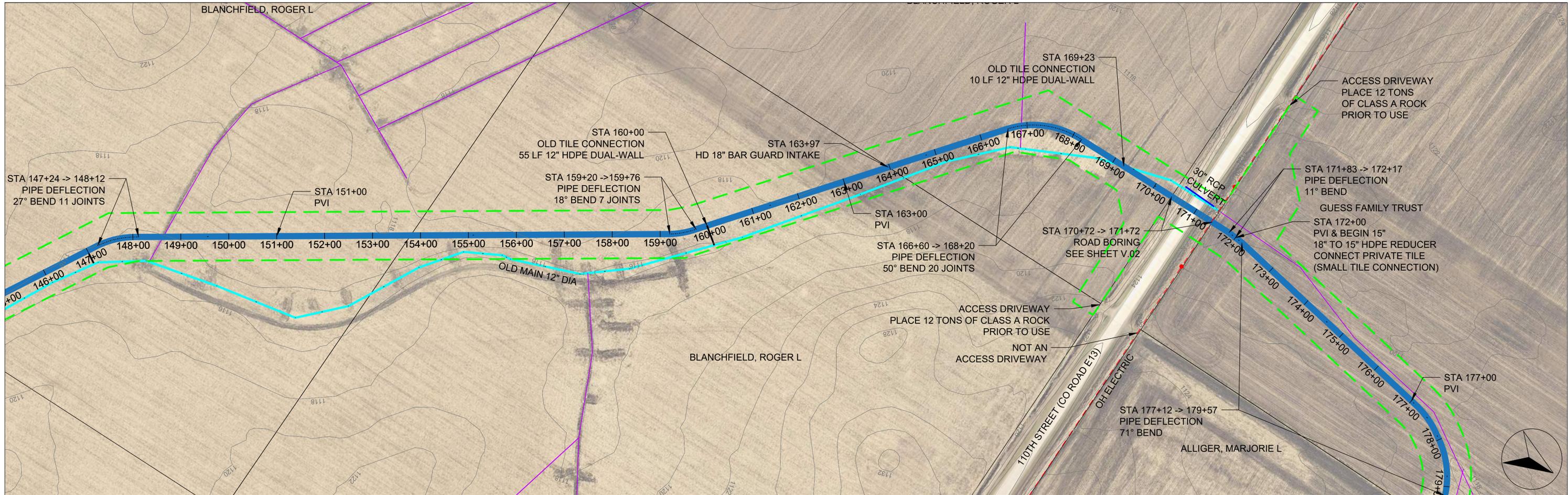
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

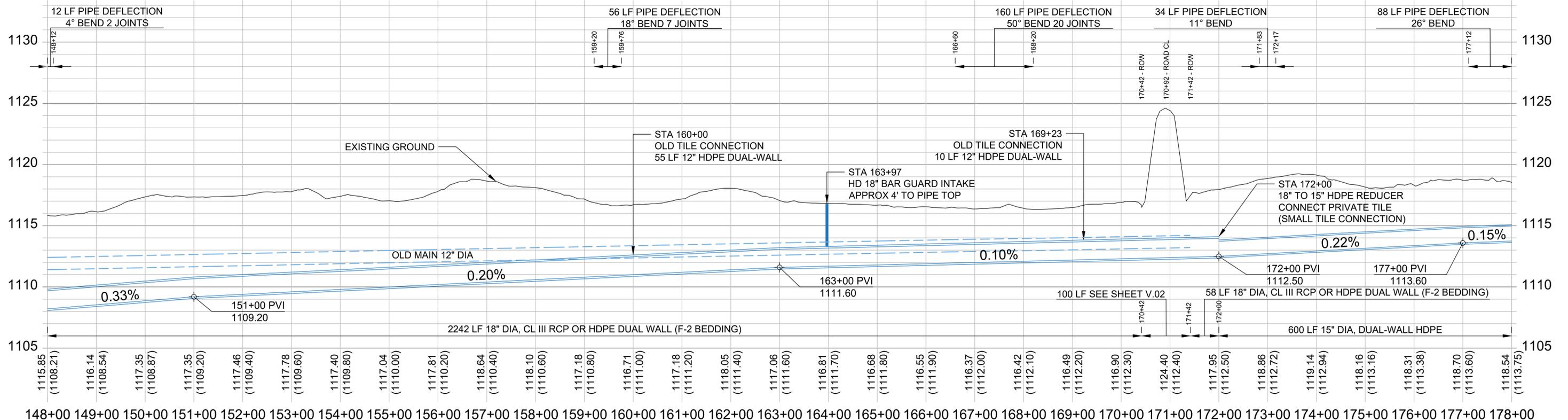
Sheet Name
Main Tile
 Sta 118+00 -> 148+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.05
Date	2025-12-16		
Plan Scale	1" = 200'		



148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00



148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

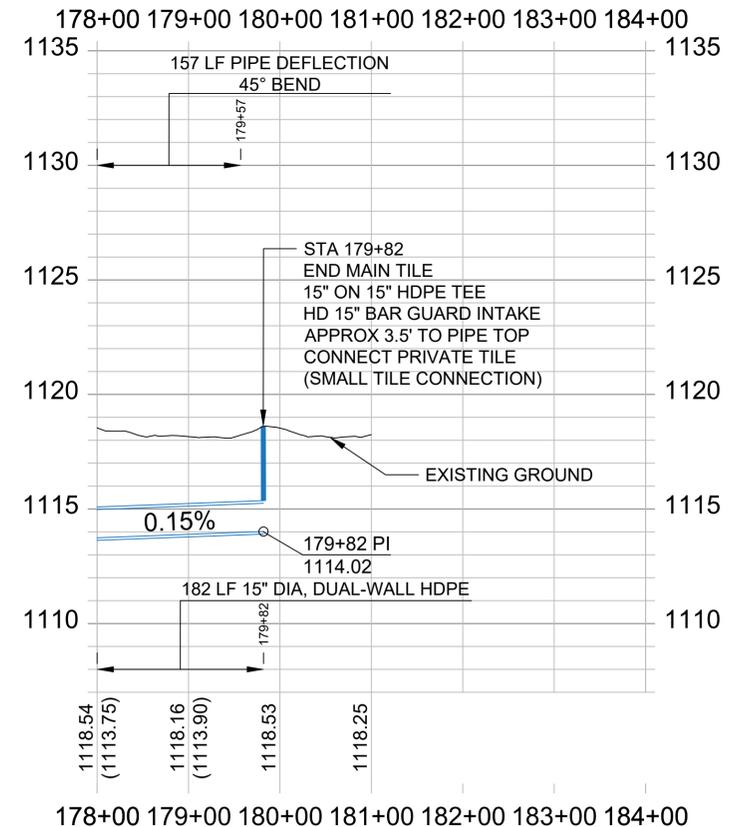
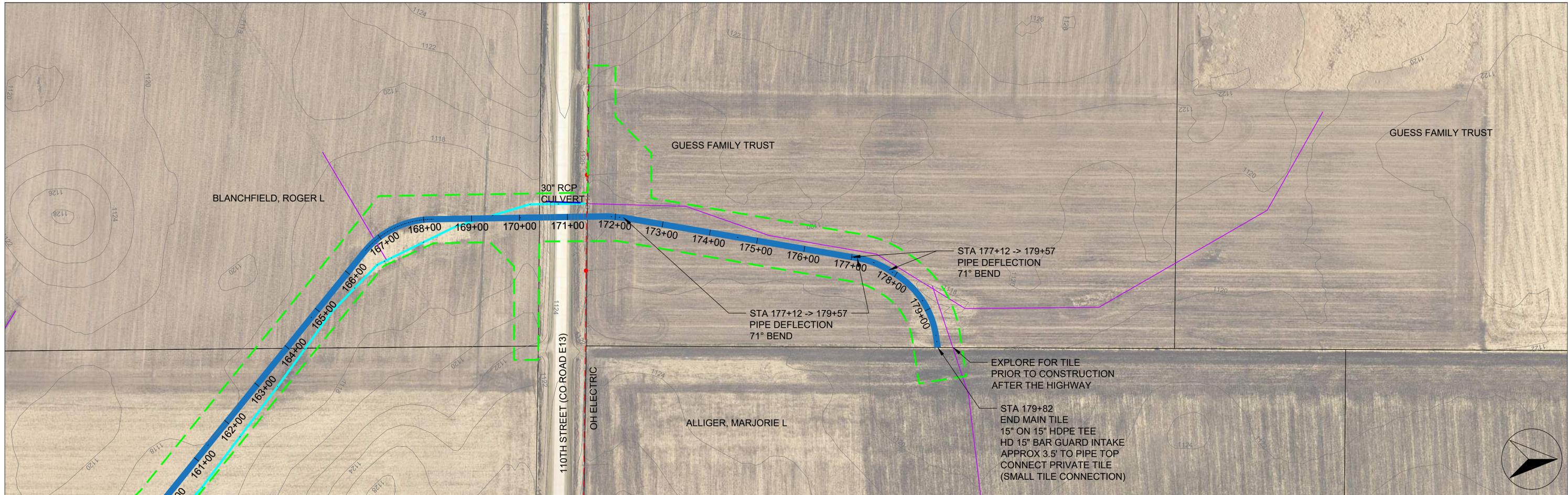
Notes	
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Main Tile
 Sta 148+00 -> 178+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.06
Date	2025-12-16		
Plan Scale	1" = 200'		



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

Notes

Plan Legend

- Proposed District Tile ———
- Old District Tile ———
- Private Tile ———
- Work Limits (ROW) - - - - -
- Fenceline - · - · -
- 2' Contours ———

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Main Tile
 Sta 178+00 -> 178+82

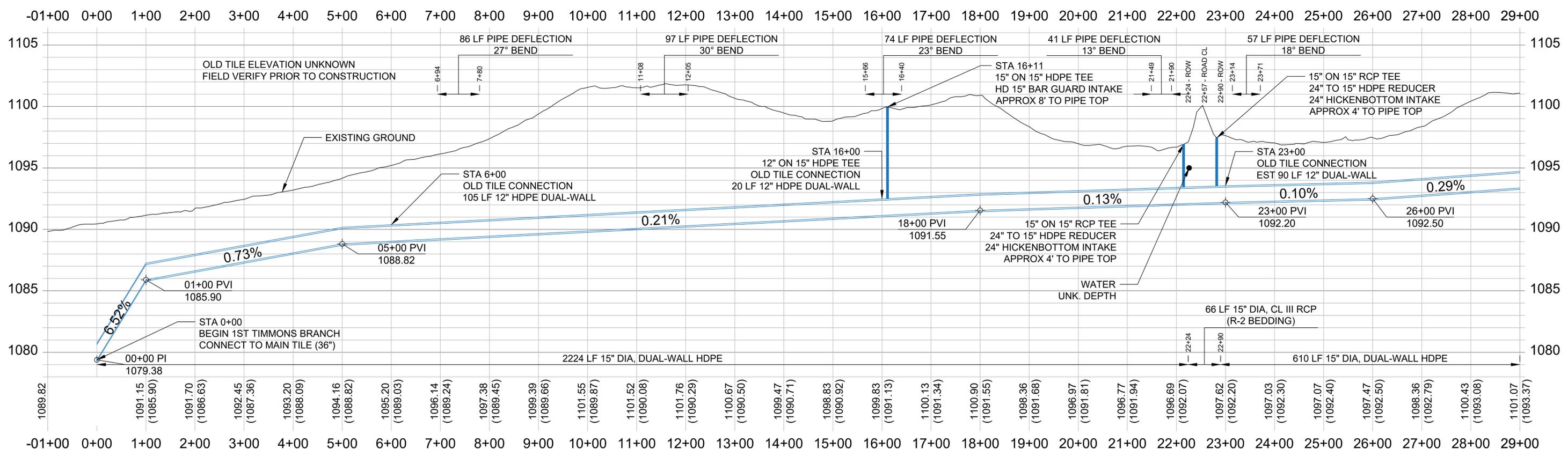
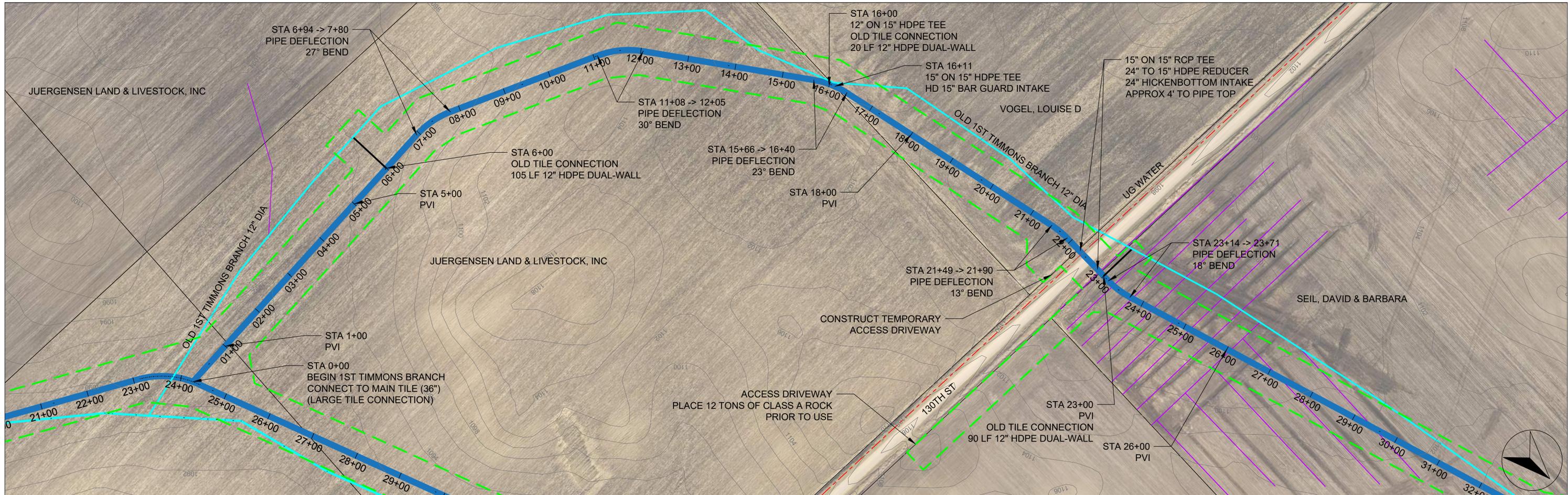
Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project
2502-37

Date
2025-12-16

Plan Scale
1" = 200'

Sheet
M.07



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

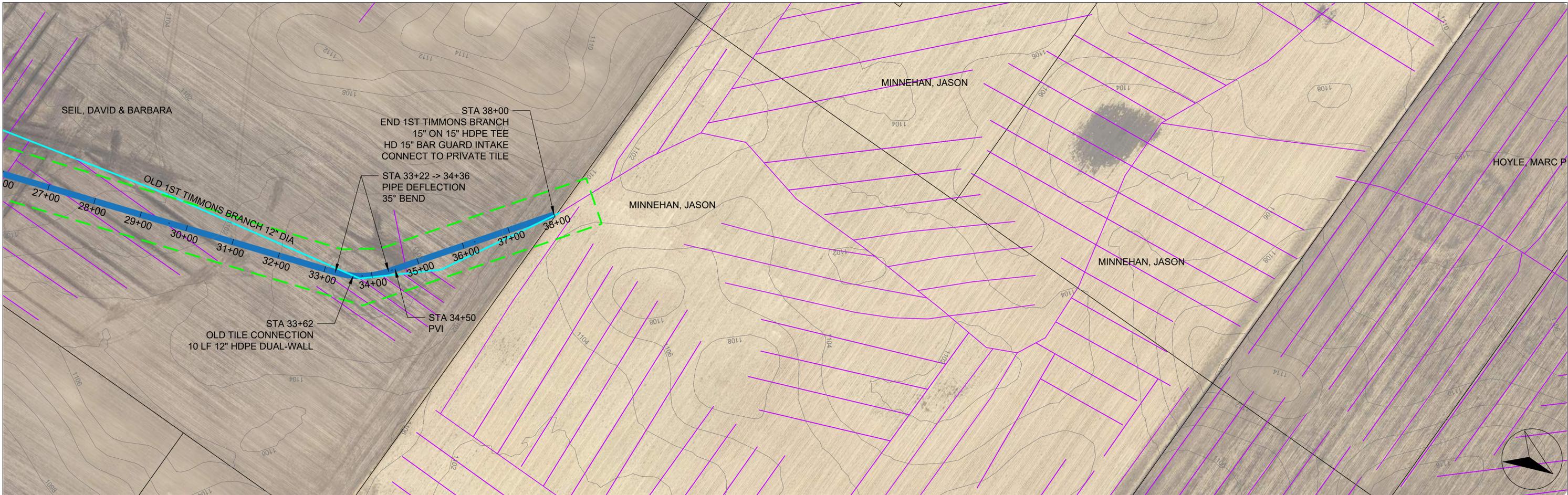
Notes	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

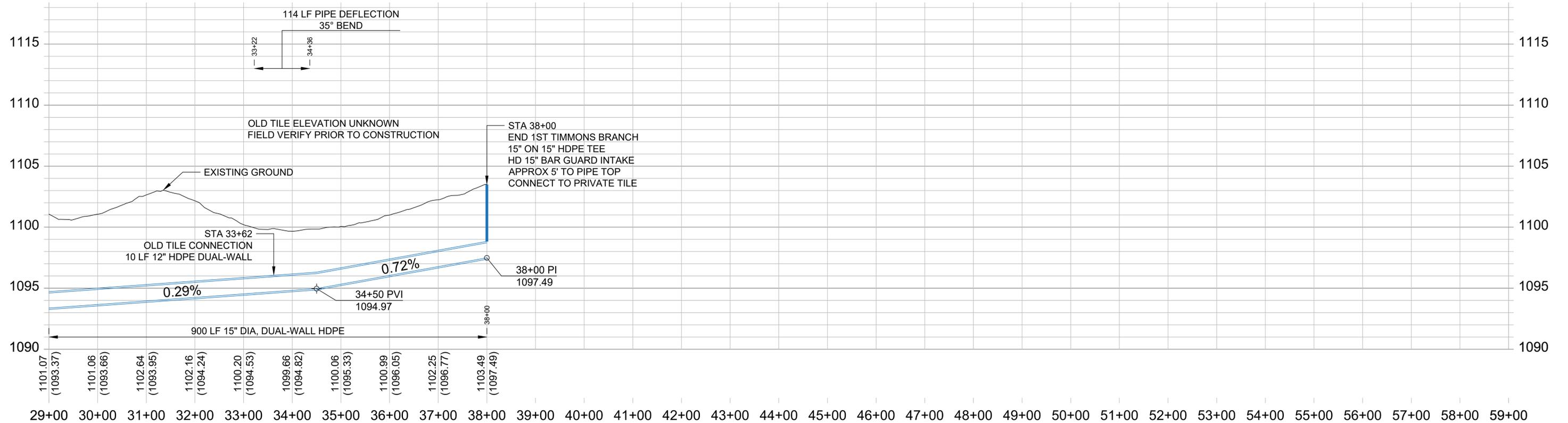
Sheet Name
1st Timmons Branch Tile
 Sta 0+00 -> 29+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.08
Date	2025-12-16		
Plan Scale	1" = 200'		



29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

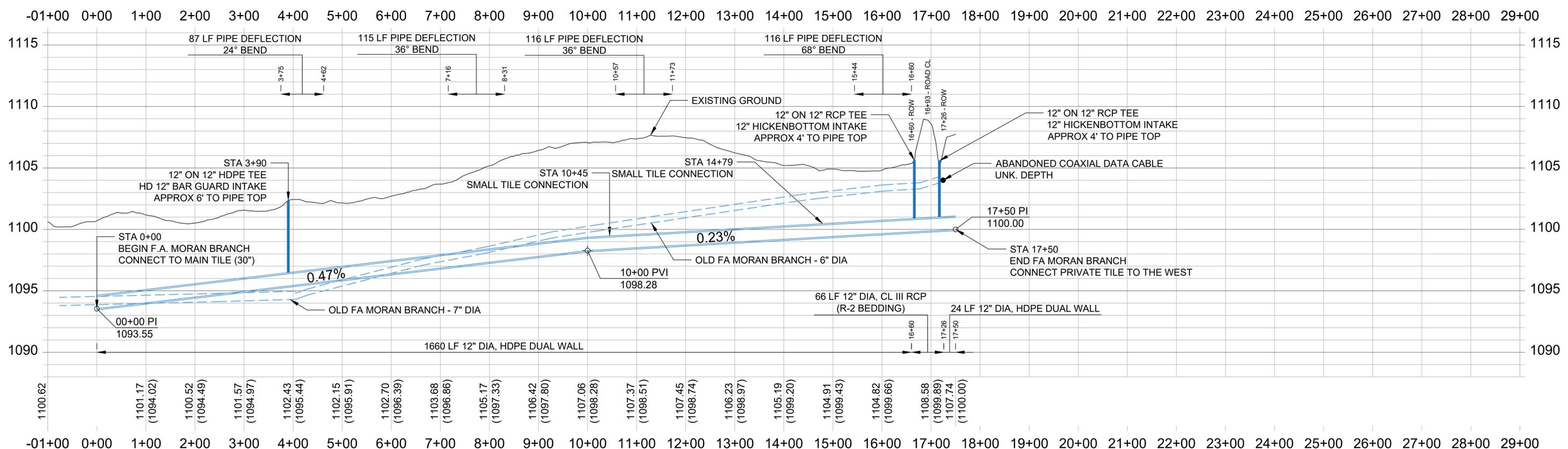
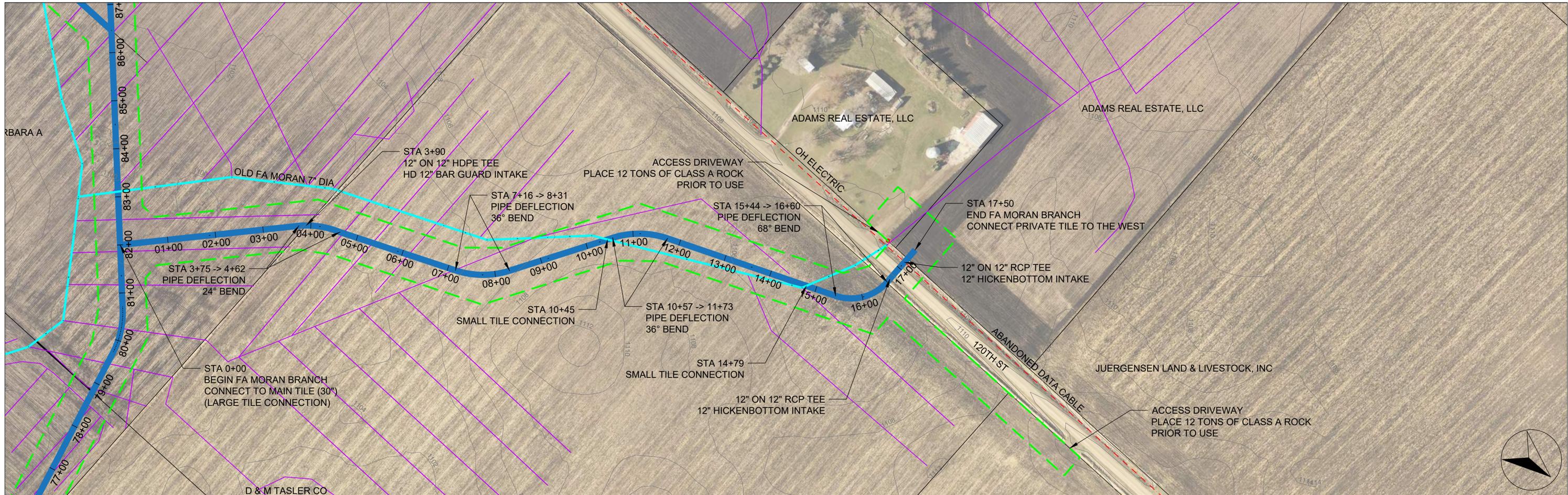
Notes	
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
**1st Timmons
 Branch Tile
 Sta 29+00 -> 38+00**

Project Name, Client, and Address
**Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050**

Project 2502-37	Sheet
Date 2025-12-16	M.09
Plan Scale 1" = 200'	



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

Notes

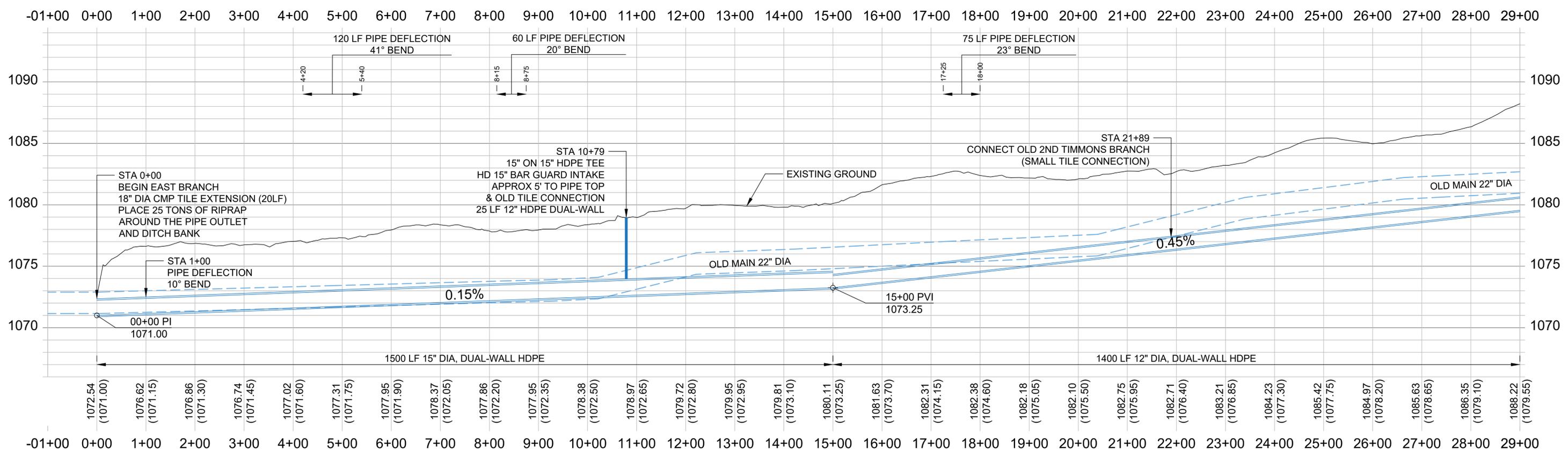
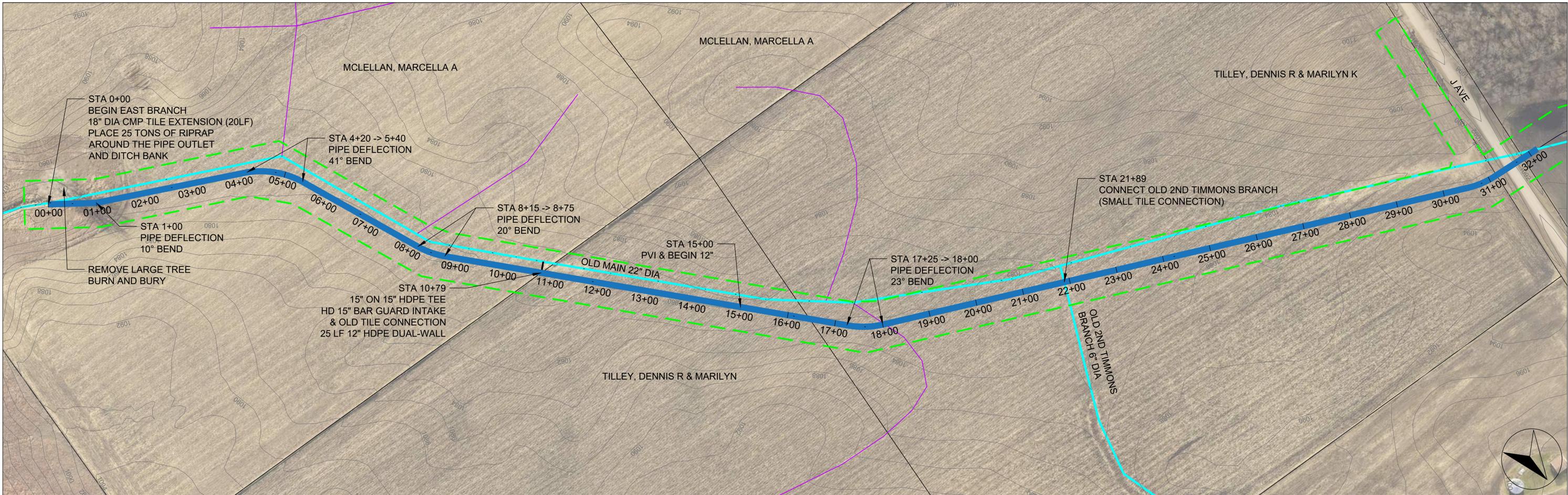
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
FA Moran Branch Tile
 Sta 0+00 -> 17+50

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	M.10
Date	2025-12-16		
Plan Scale	1" = 200'		



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

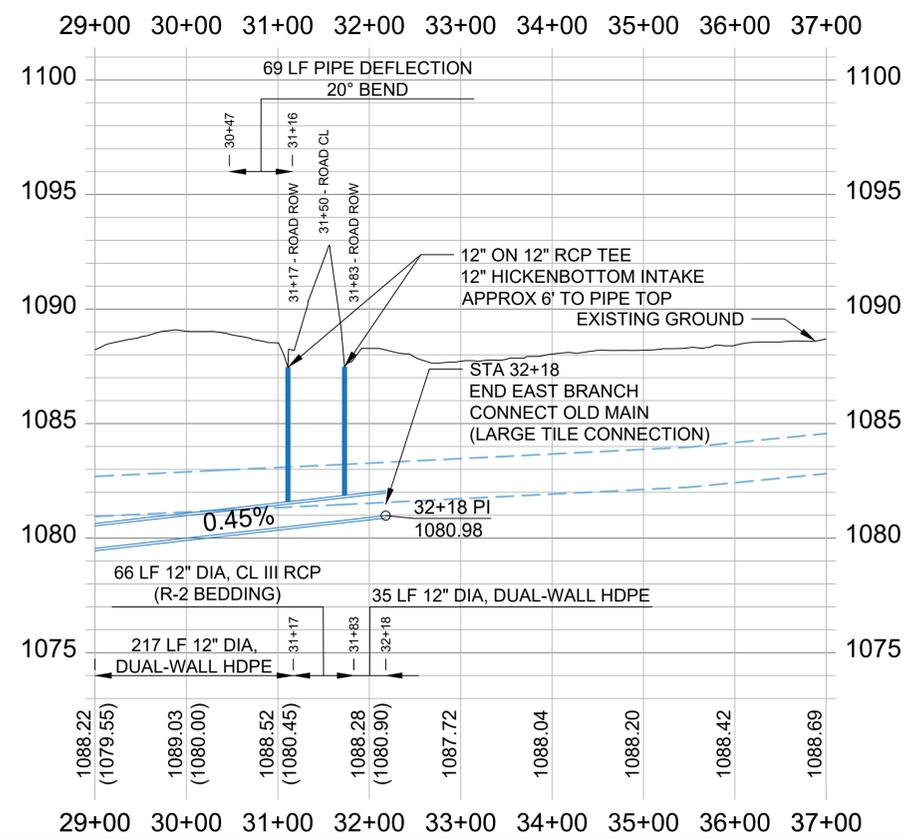
Notes	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
East Branch
 Sta 0+00 -> 29+00

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	
Date	2025-12-16		M.11
Plan Scale	1" = 200'		



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

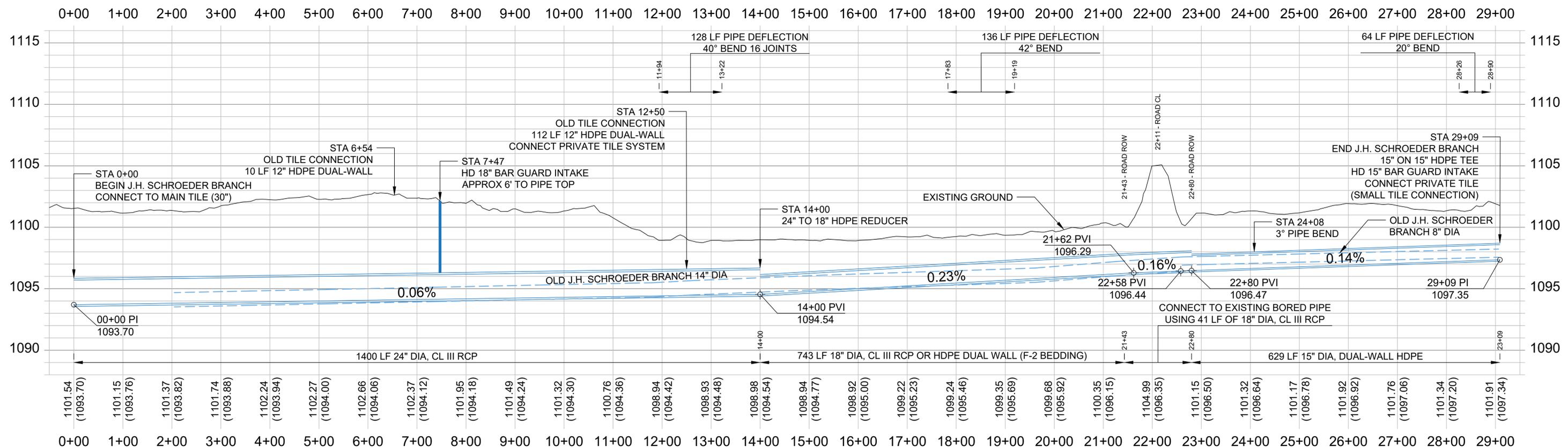
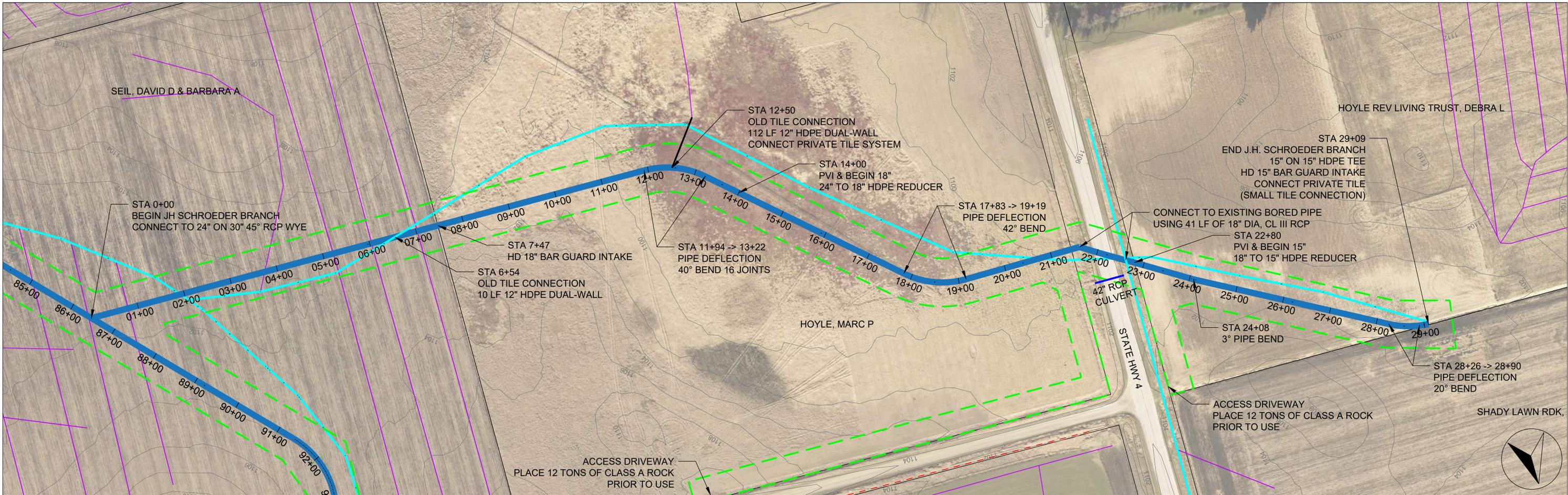
Notes	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
East Branch
 Sta 29+00 -> 32+18

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project 2502-37	M.12
Date 2025-12-16	
Plan Scale 1" = 200'	



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

Notes

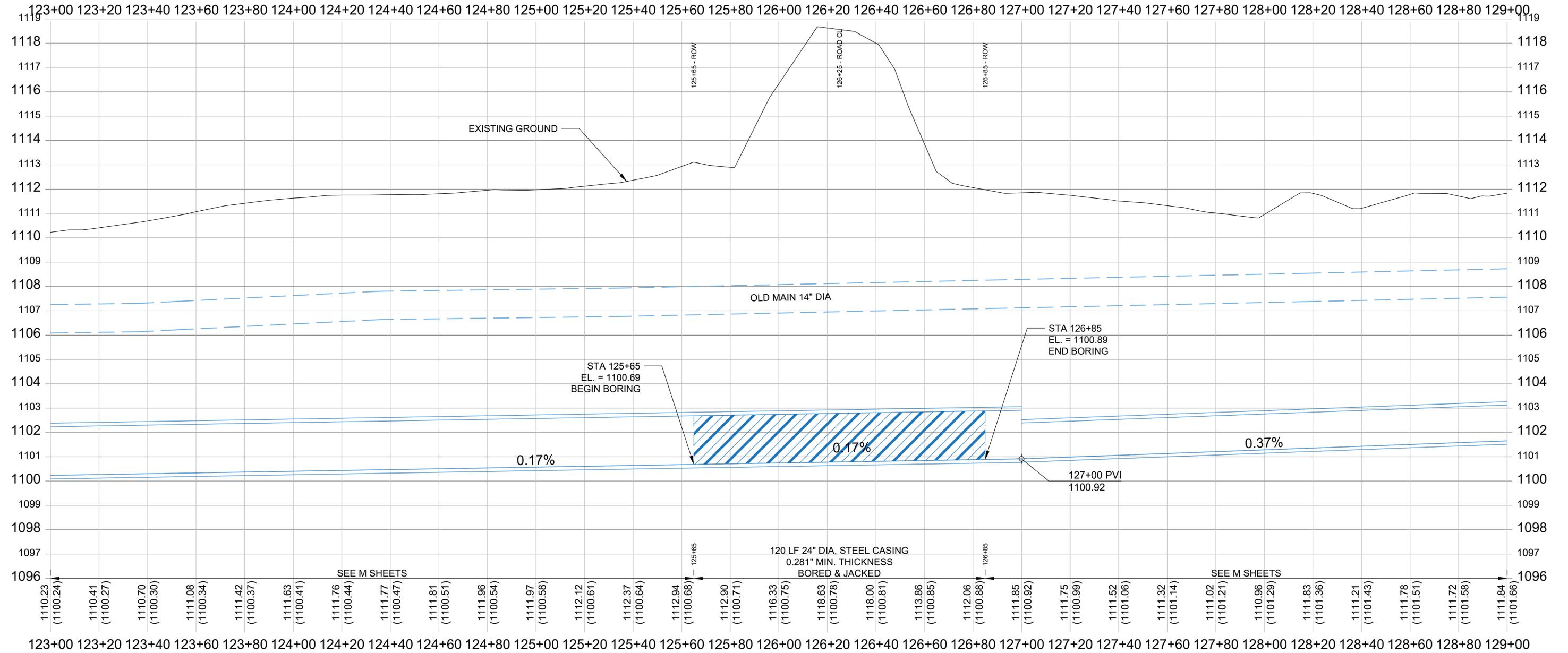
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
JH Schroeder Branch
 Sta 0+00 -> 29+09

Project Name, Client, and Address
Tile Improvements
 Drainage District No. 20
 Greene County, IA
 J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet M.13
Date	2025-12-16	
Plan Scale	1" = 200'	



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

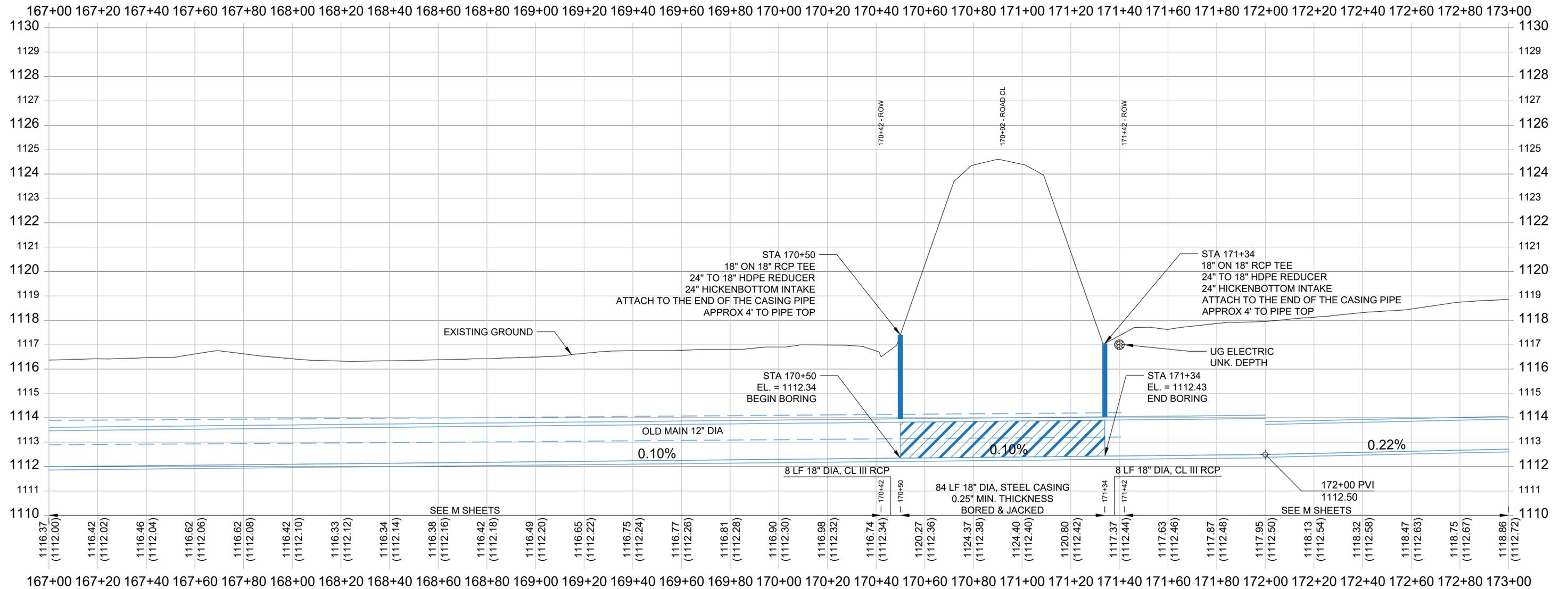
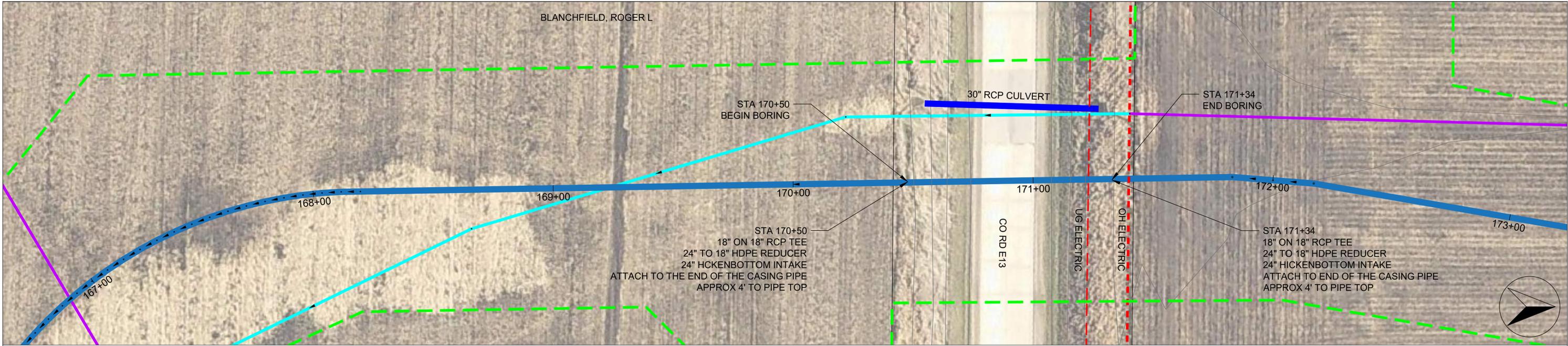
Notes	
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Boring Sheet
Main Tile
 Sta 125+65 -> 126+85
 (State Hwy 4)

Project Name, Client, and Address
Tile Improvements
Drainage District No. 20
Greene County, IA
J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet	V.01
Date	2025-12-16		
Plan Scale	1" = 40'		



Company Information
AgriVia PLLC
 PO Box 44
 1124 Willis Ave
 Perry, IA 50220

Designer
TJB
 Drafter
TJB
 Checker
JLH

Notes	
Plan Legend	
Proposed District Tile	
Old District Tile	
Private Tile	
Work Limits (ROW)	
Fenceline	
2' Contours	

No.	Revision/Issue	Date
1	M.07, M.11, M.12, M.13	12/16/25

Sheet Name
Boring Sheet
Main Tile
 Sta 170+42 -> 171+42
 (110th St / Co Rd E13)

Project Name, Client, and Address
Tile Improvements
Drainage District No. 20
Greene County, IA
J Ave & 130th St, Churdan, IA 50050

Project	2502-37	Sheet V.02
Date	2025-12-16	
Plan Scale	1" = 200'	