

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
52&73	24-04131-00-DR	PIATT	10	1
		ILLINOIS	CONTRACT NO. L0649	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6-7 PLAN AND PROFILE
- 8-10 CROSS SECTIONS

HIGHWAY STANDARDS

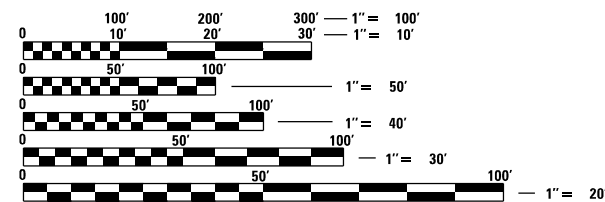
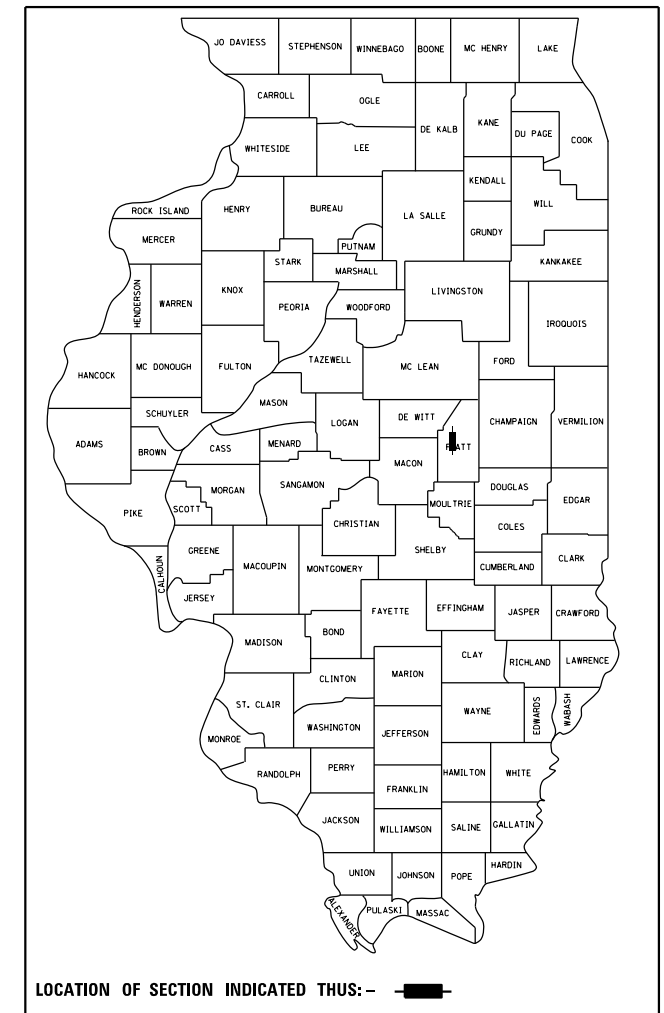
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701901-10 TRAFFIC CONTROL DEVICES
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

- AMEREN** AMEREN ILLINOIS - (NORTH)
NATHAN HILL (618)-301-5305
DCJULIEREQUEST@AMEREN.COM
- FRONTIER** FRONTIER COMMUNICATIONS
KALIN HINSHAW (815)-895-1515
KALIN.HINSHAW@FTR.COM

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED PIPE CULVERT REPLACEMENT

TR 52 (675E) & TR 73 (1950N) ROAD PIPE CULVERT REPLACEMENT PIATT COUNTY, GOOSE CREEK TOWNSHIP SECTION 24-04131-00-DR FUNDING TYPE: REBUILD ILLINOIS BOND (RBI) FUNDS



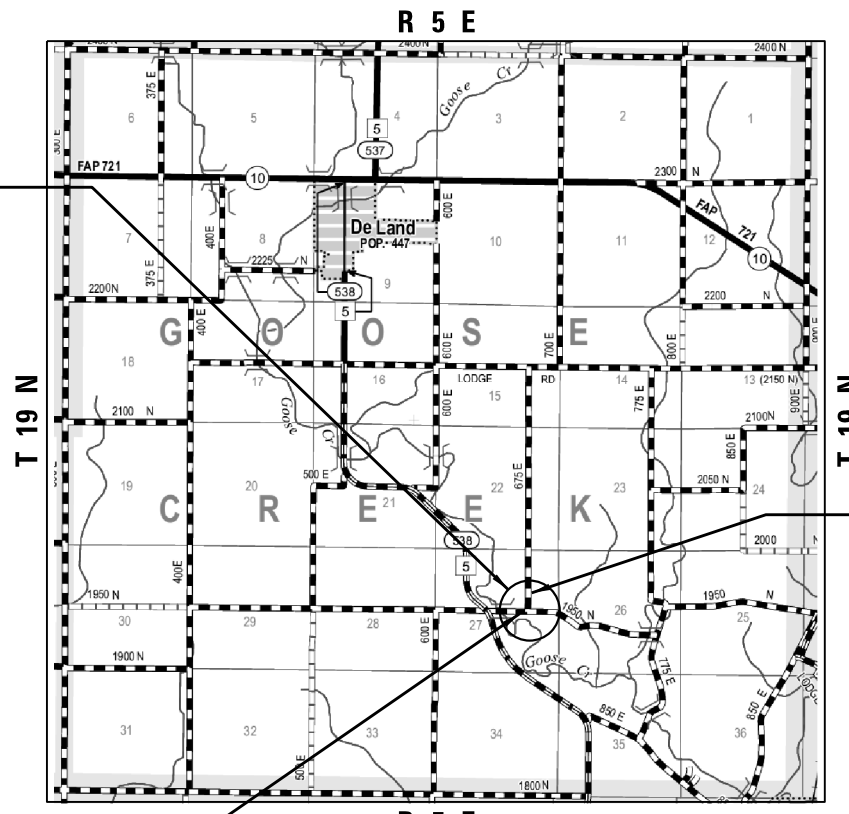
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

HLC PROJECT NO. 8844
CONTRACT NO. L0649

DECATUR, IL SCHAUMBURG, IL
ROCKFORD, IL PARIS, IL
METROPOLIS, IL LAFAYETTE, IN
(833) 424-2782 184-001397

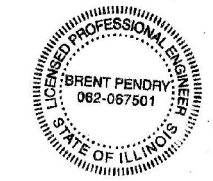


PROPOSED PIPE CULVERT REPLACEMENT
SECTION 24-04131-00-DR
1950N STATION 5 + 00.00
675E STATION 20 + 00.00

BEGIN STA: 3 + 50.00 (1950N RD)
END STA: 6 + 50.00 (1950N RD)

BEGIN STA: 19 + 40.14 (675E RD)
END STA: 21 + 00.00 (675E RD)

3RD PM
LOCATION MAP
TOTAL LENGTH = 459.86 FT. = 0.09 MILE
NET LENGTH = 459.86 FT. = 0.09 MILE



Brent Pendry
BRENT PENDRY, P.E. DATE 2/5/2025
LICENSE EXPIRES 11/30/25

FUNCTIONAL CLASSIFICATION - LOCAL ROAD
CURRENT ADT = 75
DESIGN SPEED = 30 MPH

APPROVED *[Signature]* February 28 20 25
PIATT COUNTY ENGINEER

APPROVED *[Signature]* February 28 20 25
TOWNSHIP HIGHWAY COMMISSIONER

PASSED *[Signature]* March 3 20 25
DISTRICT FIVE ENGINEER OF LOCAL ROADS AND STREETS

Releasing For Bid Based on Limited Review *[Signature]* March 3 20 25
REGIONAL ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THE PROPOSED IMPROVEMENT CONSISTS OF REMOVAL OF EXISTING PIPE CULVERTS AND REPLACEMENT WITH 42" RCP CULVERTS ON 1950N & 675E ROAD, AND MINOR GRADING AND ROADWAY WORK.

GENERAL NOTES

1. THE DESIGN ENGINEER SHALL NOT GUARANTEE THE WORK OF ANY CONTRACTOR OR SUBCONTRACTOR, SHALL HAVE NO AUTHORITY TO STOP WORK, SHALL HAVE NO SUPERVISION OR CONTROL AS TO THE WORK OR PERSONS DOING THE WORK, SHALL NOT BE RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE JOB SITE OR HAVE ANY CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, SUPPORTS, FORMS OR OTHER WORK AIDS, AND SHALL HAVE NO DUTIES OR RESPONSIBILITIES IMPOSED BY ACTS GOVERNING THE WORKPLACE. IN ADDITION, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL BE MODIFIED AS FOLLOWS:

UNDER ARTICLE 105.01, ADD THE FOLLOWING SENTENCE: NOTHING CONTAINED HEREIN SHALL RELIEVE THE CONTRACTOR OF HIS/HER DUTY TO OBSERVE AND COMPLY WITH ALL APPLICABLE LAWS, NOR SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE OR NON-COMPLIANCE WITH SUCH LAWS.

UNDER ARTICLE 107.01, ADD THE FOLLOWING SENTENCE: THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S DUTY TO OBSERVE AND COMPLY WITH THE PROVISIONS OF THIS SECTION, OR FOR THE CONTRACTOR'S FAILURE TO DO SO.

2. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS INCLUDES SAFETY OF ALL PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
3. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS INDICATED ON THE CHECK SHEET, AND ALL OTHER SPECIAL PROVISIONS. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM STANDARD SPECIFICATIONS IS USED, IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED JANUARY 1, 2022.
4. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE PROPOSED GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND STATION CROSS-SECTIONS ARE THE ELEVATIONS FOR THE FINISHED SURFACE AT LOCATIONS AS INDICATED.
5. HORIZONTAL CONTROL AND BEARINGS ARE BASED ON THE ILLINOIS COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83), ADJUSTMENT OF 2011.
6. EXISTING ROAD SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND COORDINATING WORK WITH ALL UTILITY OWNERS, INCLUDING UTILITY ADJUSTMENTS OR RELOCATIONS. CONTACT J.U.L.I.E., PHONE 800-892-0123 OR 811, AND ALL UTILITY COMPANIES PRIOR TO DIGGING.
8. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.
9. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME THE CONTRACTOR DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
10. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND THE PIATT COUNTY ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
11. TEMPORARY EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.
12. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMIT SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES AND COOPERATE TO RESOLVE DIFFERENCES BETWEEN THE EXISTING FIELD CONDITIONS AND THE PLANS. SPECIAL ATTENTION IS CALLED TO ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS.
14. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND/OR MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY THEIR OPERATIONS.
15. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCE AND PROCEDURES OF THE CONSTRUCTION.
16. PRIOR TO ORDERING CULVERTS COORDINATE WITH THE ENGINEER TO DETERMINE THE INSTALLED LENGTH OF EACH.

LEGEND

<p> CONTROL POINT</p> <p> EX ROW</p> <p> PR ROW</p> <p> EOP</p> <p> FENCE</p> <p> EX PIPE CULVERT</p> <p> PR CULVERT</p>	<p> VEGETATION LINE</p> <p> DITCH FLOW LINE</p> <p> STREAM</p> <p> AERIAL / ELECTRIC</p> <p> TELEPHONE</p> <p> LIMITS OF CONSTRUCTION</p> <p> DIRECTION OF FLOW</p> <p> TREE</p>	<p> ELECTRIC BOX</p> <p> POWER POLE</p> <p> MAILBOX</p> <p> SIGN</p> <p> PR RIPRAP</p> <p> TEMPORARY DITCH CHECK</p> <p> INLET & PIPE PROTECTION</p>
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N675E RD ALIGNMENT

PI	N 1,241,760.329	E 904,889.655	Sta 19+40.14
Course from PI to PI N 03°24'35.0" E Dist 329.31			
PI	N 1,242,089.056	E 904,909.241	Sta 22+69.45
Course from PI to POT N 01°30'36.9" E Dist 140.08			
POT	N 1,242,229.091	E 904,912.933	Sta 24+09.53

E1950N RD ALIGNMENT

POT	N 1,241,764.668	E 904,472.989	Sta 1+87.26
Course from POT to PI S 89°18'33.2" E Dist 367.98			
PI	N 1,241,760.231	E 904,840.941	Sta 5+55.24
Course from PI to POT N 89°53'07.3" E Dist 221.34			
POT	N 1,241,760.674	E 905,062.283	Sta 7+76.58

CONTROL POINTS

CP	NORTHING	EASTING	STATION	OFFSET	DISCRIPTION
1	1,242,228.891	904,862.416	24+08.00	50.49 LT	5/8 PIN
3	1,241,762.356	904,891.412	6+05.72	2.02 LT	MAG NAIL

BENCHMARKS

BM	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DISCRIPTION
5	1,242,249.621	904,936.294	24+30.68	22.81 RT	692.657	TOP OF S BOLT

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PLOT DATE = 2/27/2025	DATE - 04-30-2024	REVISED - _____

PIATT COUNTY HIGHWAY DEPARTMENT

GENERAL NOTES
GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
52 & 73	24-04131-00-DR	PIATT	10	2
STRUCTURE NO.		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				PIPE CULVERT	
				0010	RURAL
20200100	EARTH EXCAVATION	CU YD	225	225	
20800150	TRENCH BACKFILL	CU YD	38	38	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	54	54	
28000305	TEMPORARY DITCH CHECKS	FOOT	54	54	
28000400	PERIMETER EROSION BARRIER	FOOT	876	876	
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	13	13	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	426	426	
50105220	PIPE CULVERT REMOVAL	FOOT	63	63	
54205077	PIPE CULVERTS, SPECIAL 42"	FOOT	80	80	
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25	0.25	
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	

LOCATION	EARTHWORK SCHEDULE			
	1	2	3	4
	20200100 EARTH EXCAVATION (CU YD)	*EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (COL 1 X 0.75) (CU YD)	*EMBANKMENT (FILL) (CU YD)	(+)= FURNISHED EX. (-)= SURPLUS/WASTE (COL 3 - COL 2) (CU YD)
3+50.00 to 6+50.00	116	87	52	-35
19+40.14 to 21+00.00	108	81	46	-35
TOTAL	225	168	99	-70

EARTH EXCAVATION SHRINKAGE FACTOR ASSUMED TO BE 25%
 ITEMS MARKED WITH AN ASTERISK(*) ARE FOR INFORMATIONAL PURPOSES ONLY

28000400 - PERIMETER EROSION BARRIER			
STATION TO STATION	OFFSET	LENGTH (FT)	
3+50.00	6+50.00	LT	300
19+62.10	21+00.00	LT	138
3+50.00	6+50.00	RT	300
19+62.00	21+00.00	RT	138
		TOTAL	876



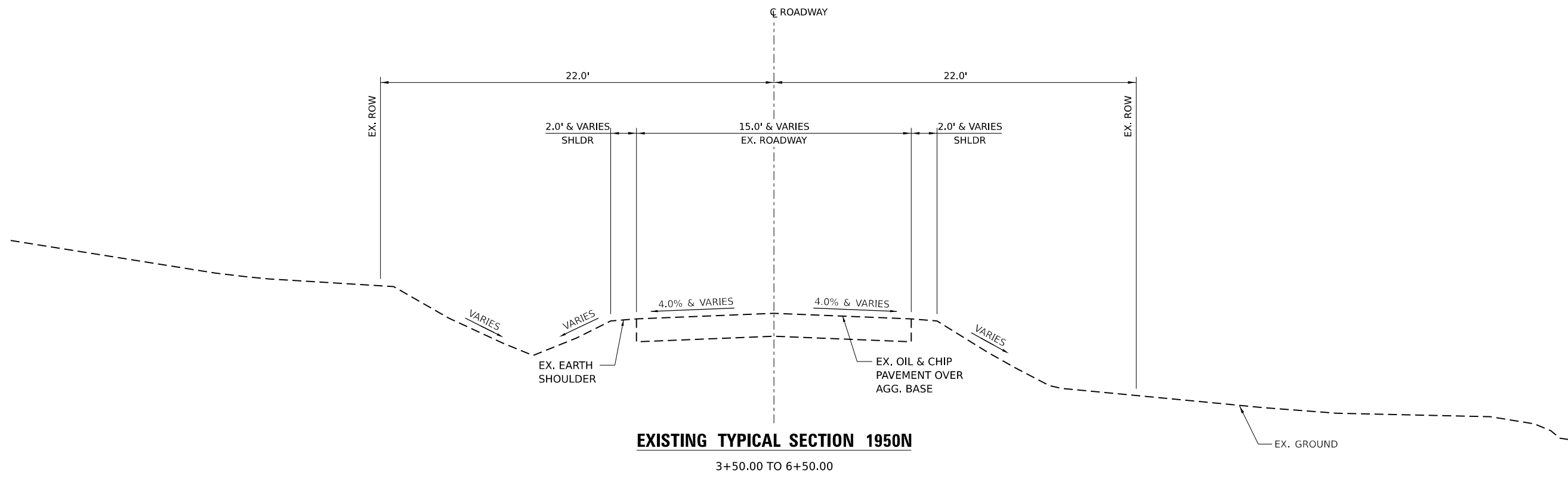
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	DATE - 04-30-2024	REVISED - _____

PIATT COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES	
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GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT	

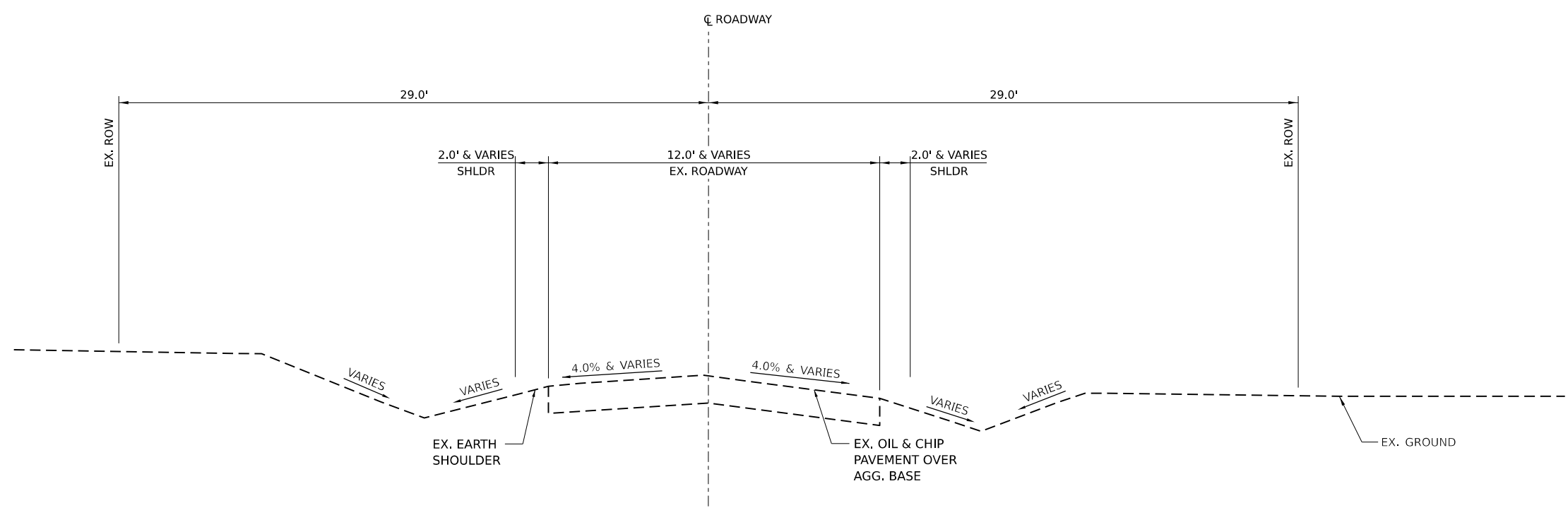
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ILLINOIS		FED. AID PROJECT		

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EXISTING TYPICAL SECTION 1950N

3+50.00 TO 6+50.00



EXISTING TYPICAL SECTION 675E

19+40.14 TO 21+00.00



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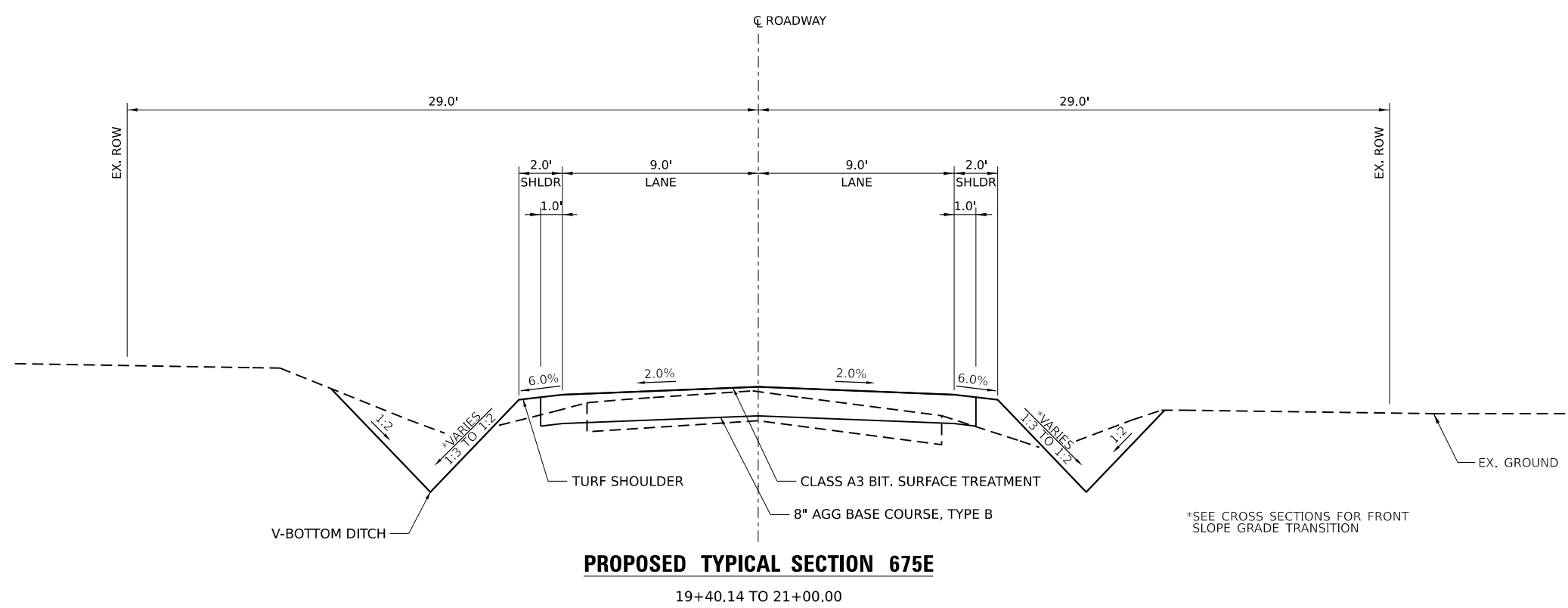
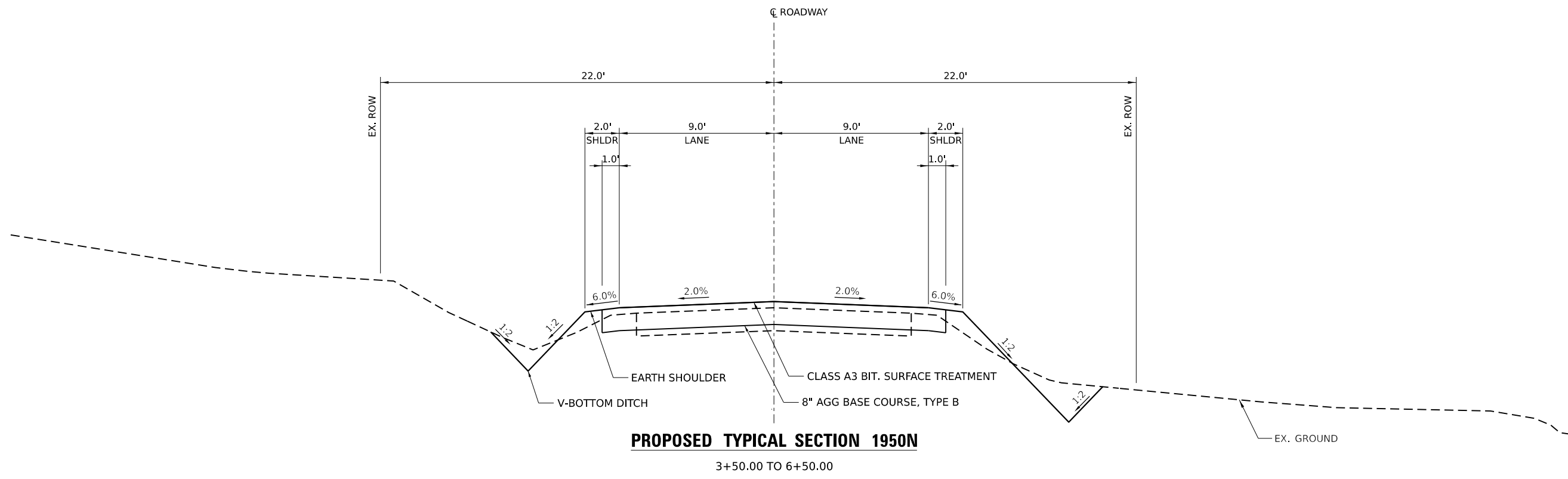
PIATT COUNTY HIGHWAY DEPARTMENT

TYPICAL SECTIONS
GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
52 & 73	24-04131-00-DR	PIATT	10	4
STRUCTURE NO.			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 2 SHEETS

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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

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PIATT COUNTY HIGHWAY DEPARTMENT

TYPICAL SECTIONS
GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

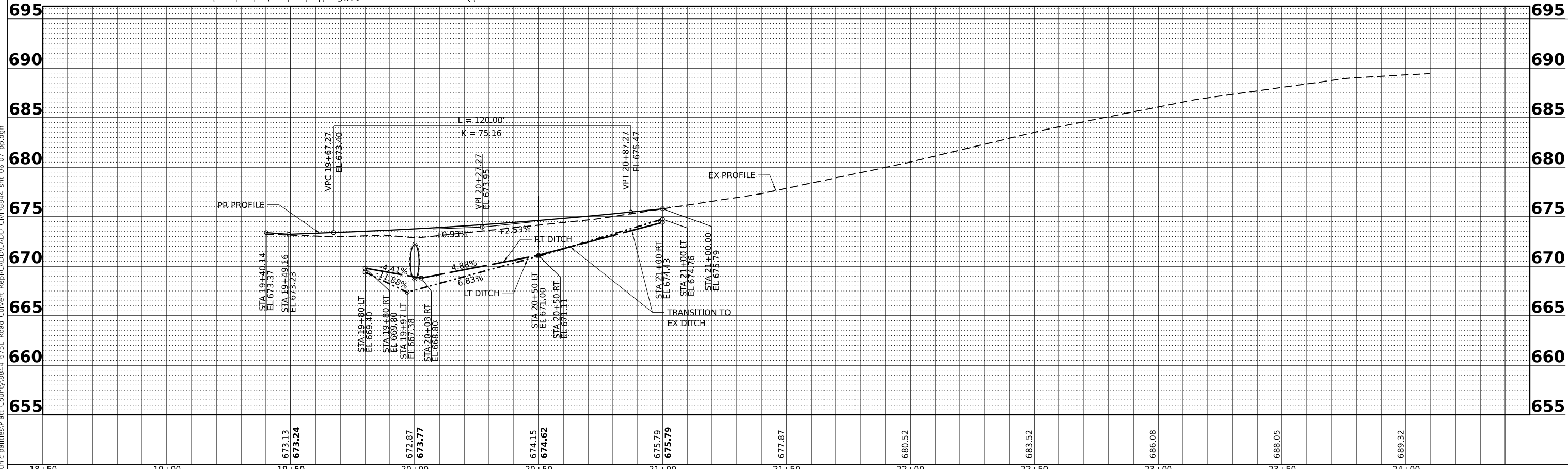
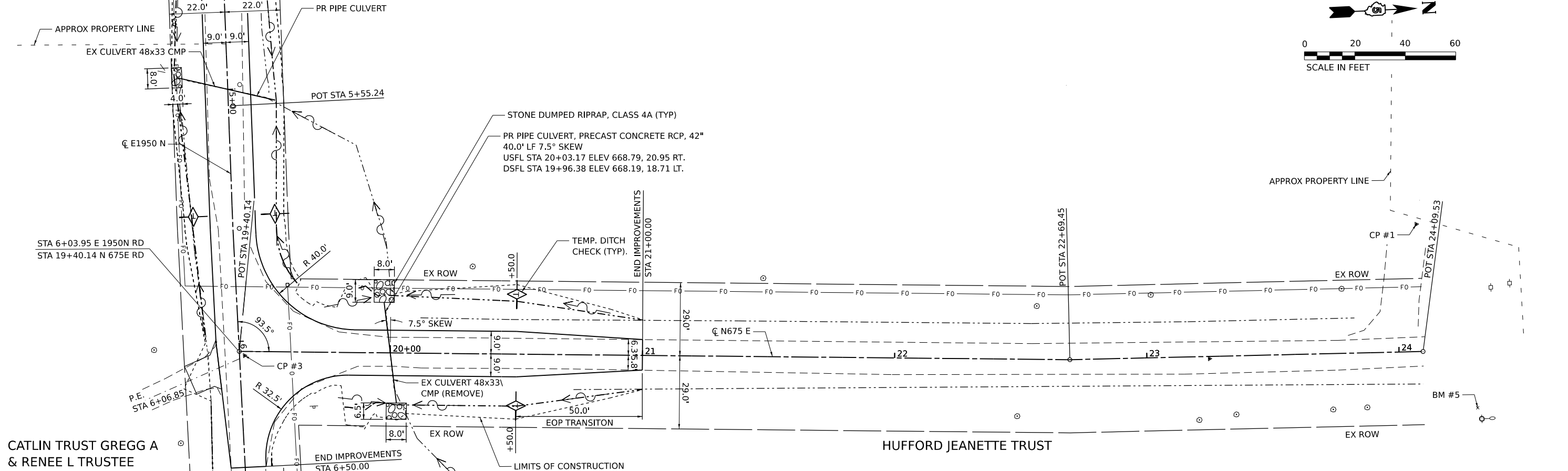
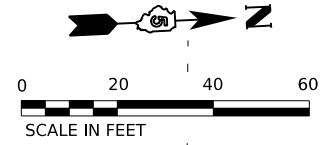
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STRUCTURE NO.		CONTRACT NO.		

SHEET 2 OF 2 SHEETS

ILLINOIS FED. AID PROJECT

VOGELZANG HAROLD G

DALTON KEVIN & LAURIE



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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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PIATT COUNTY HIGHWAY DEPARTMENT

75E PLAN AND PROFILE
GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

SHEET 2 OF 2 SHEETS

T.R. RTE. 52 & 73	SECTION 24-04131-00-DR	COUNTY PIATT	TOTAL SHEETS 10	SHEET NO. 7
STRUCTURE NO.		CONTRACT NO.		

ILLINOIS FED. AID PROJECT

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CHASTAIN & ASSOCIATES LLC
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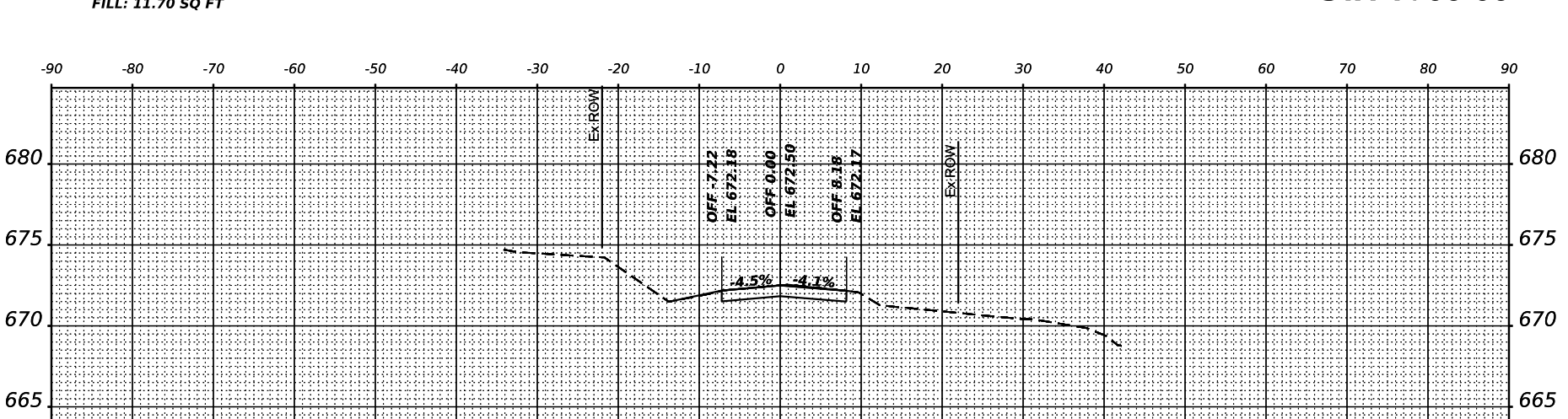
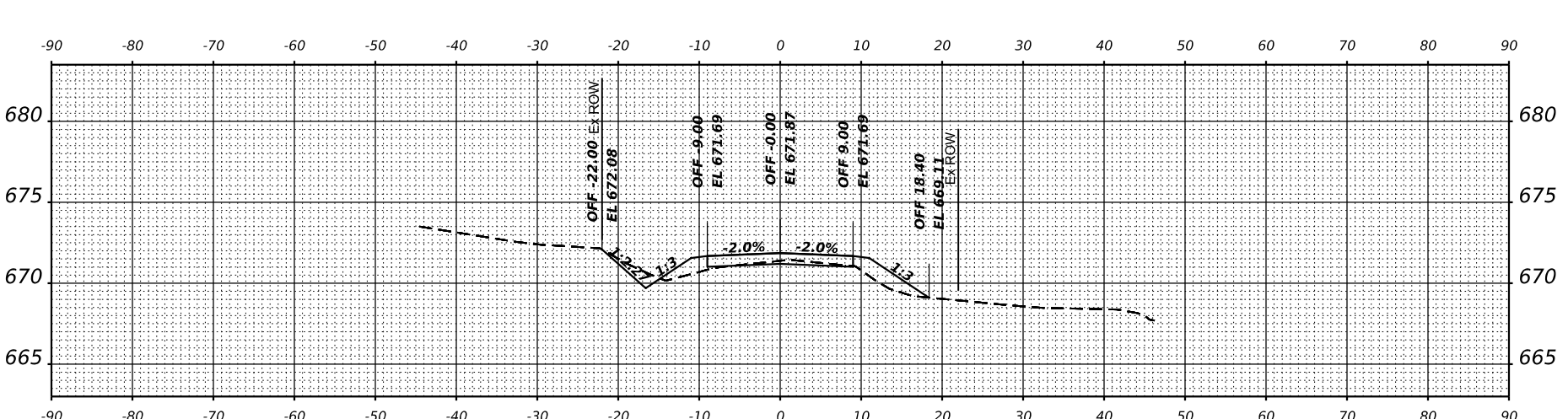
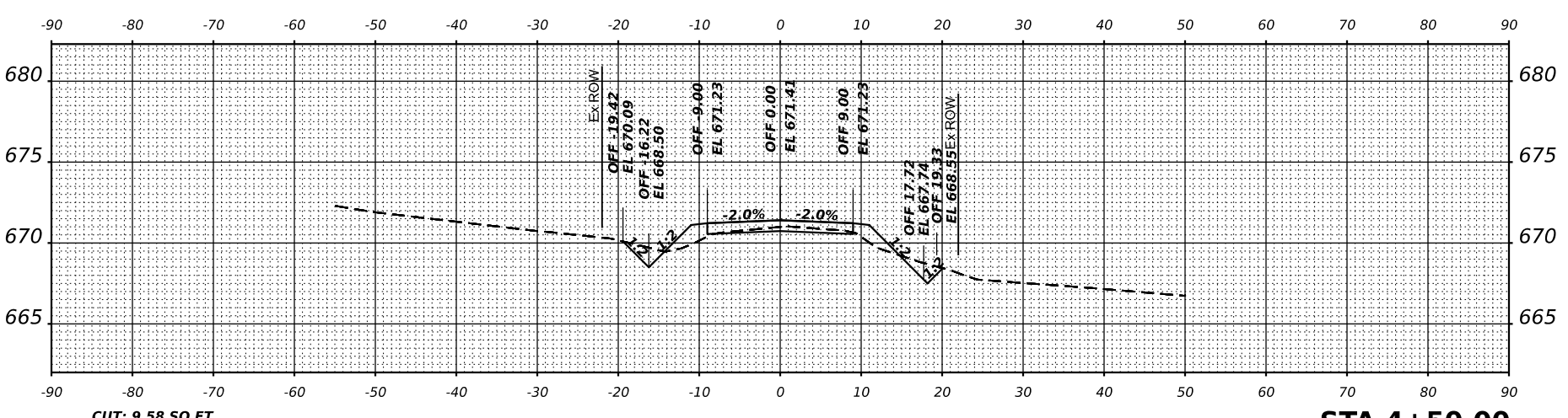
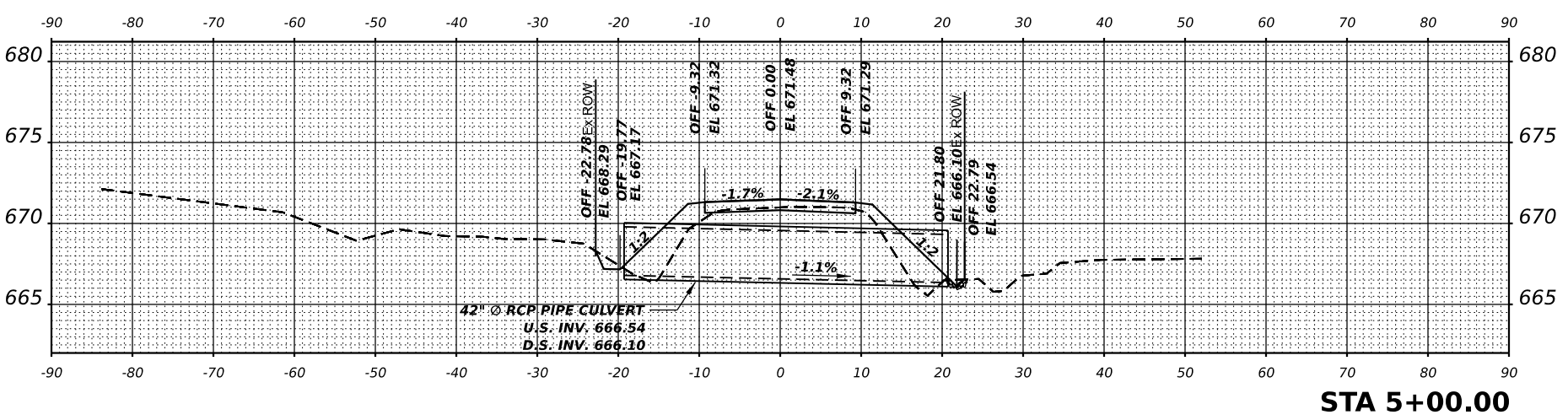
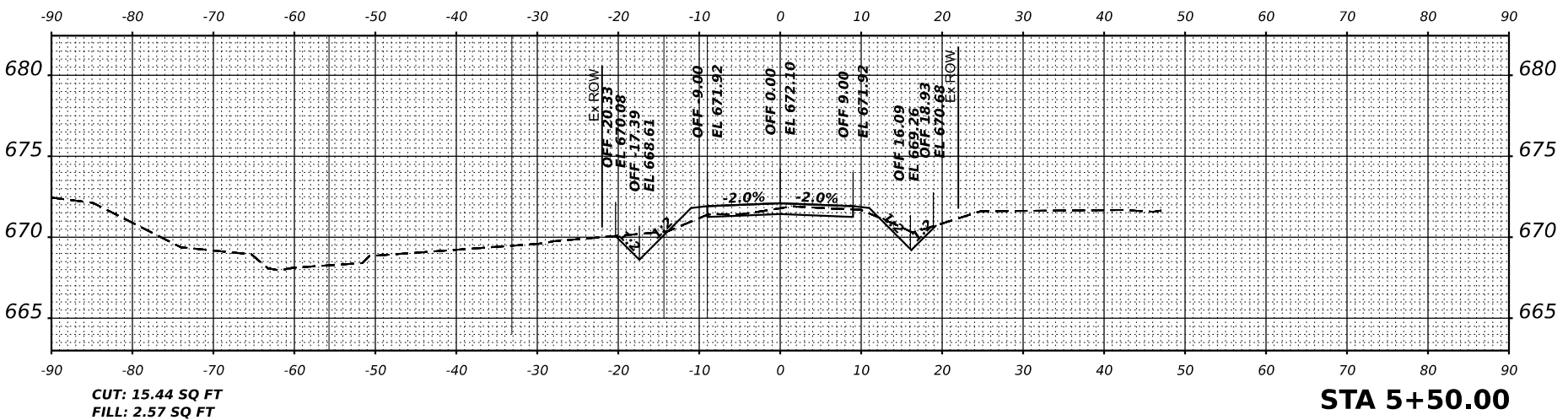
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	DATE - 04-30-2024

REVISION	REVISION

PIATT COUNTY HIGHWAY DEPARTMENT

1950N CROSS SECTIONS
 GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

TR. RTE. 52 & 73	SECTION 24-04131-00-02R	COUNTY PIATT	TOTAL SHEETS 10
STRUCTURE NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.



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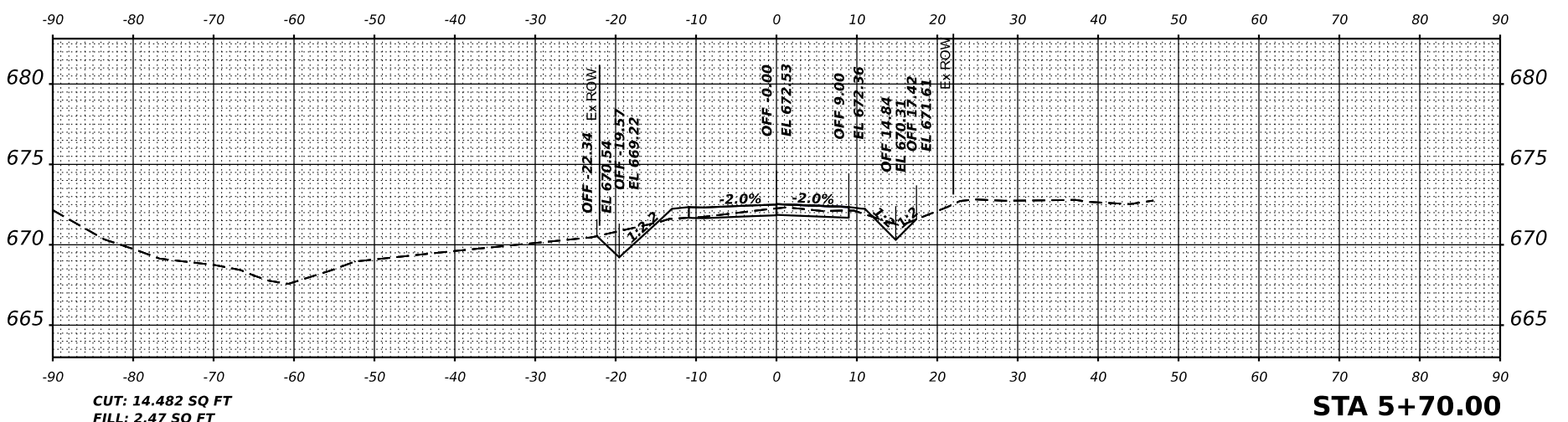
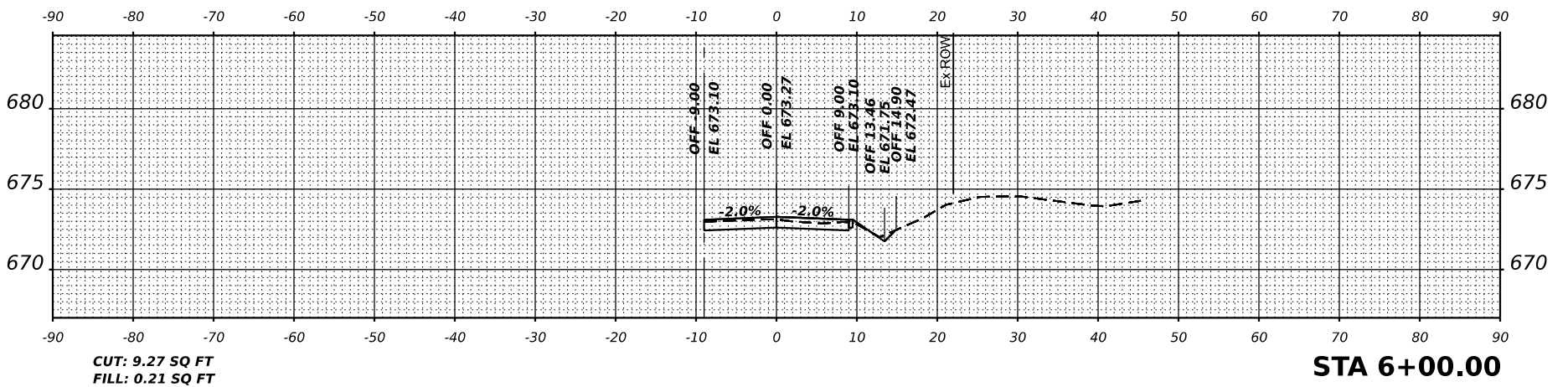
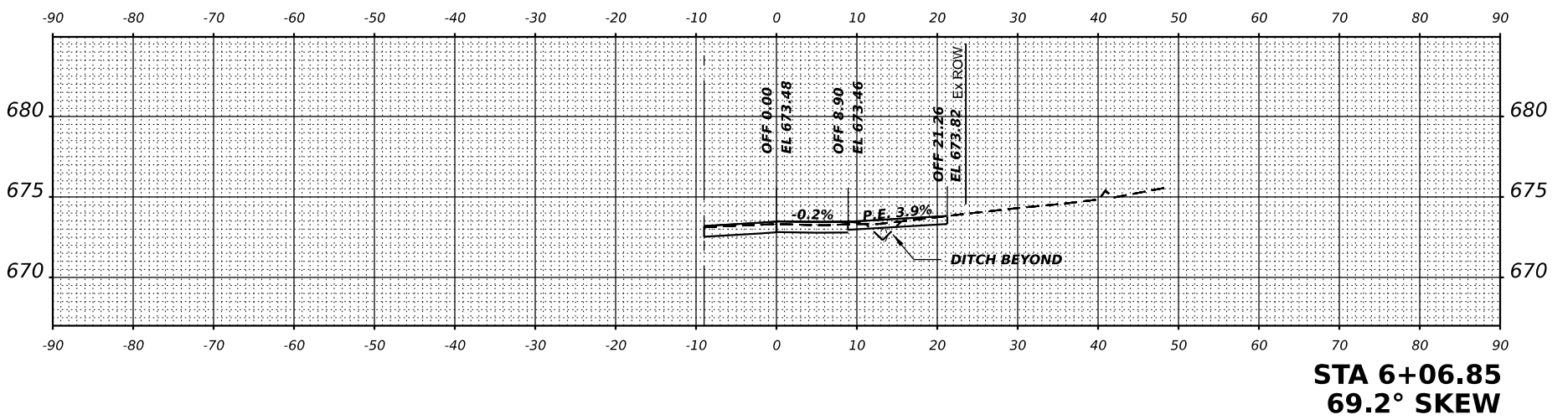
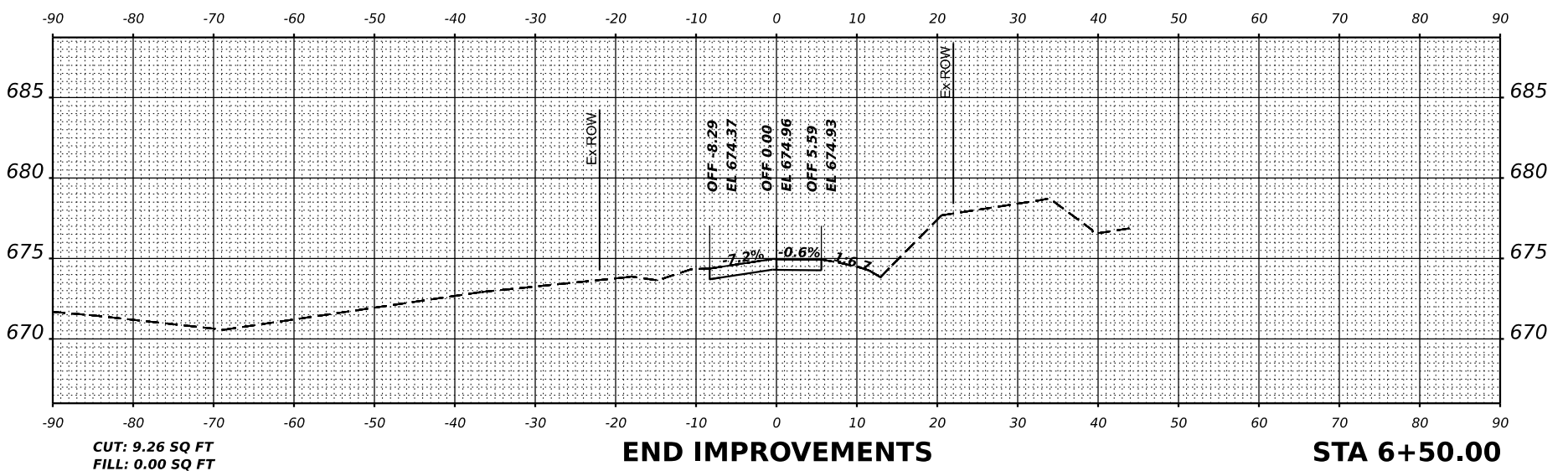
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PIATT COUNTY HIGHWAY DEPARTMENT

GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

1950N CROSS SECTIONS
SHEET 2 OF 3 SHEETS
TR. RTE. 52 & 73
SECTION 24-04131-00-DR
COUNTY PIATT
TOTAL SHEETS 10
CONTRACT NO. 9



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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-0001397

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 DRAWN = SDW
 DATE = 04-30-2024

REVISIONS
 REVISED -
 REVISED -
 REVISED -

PLATT COUNTY HIGHWAY DEPARTMENT

675E CROSS SECTIONS

GOOSE CREEK TOWNSHIP 675E & 1950N RD CULVERT REPLACEMENT

SECTION 24-04131-00-02R
 COUNTY PLATT
 TOTAL SHEETS 10
 SHEET NO. 10

