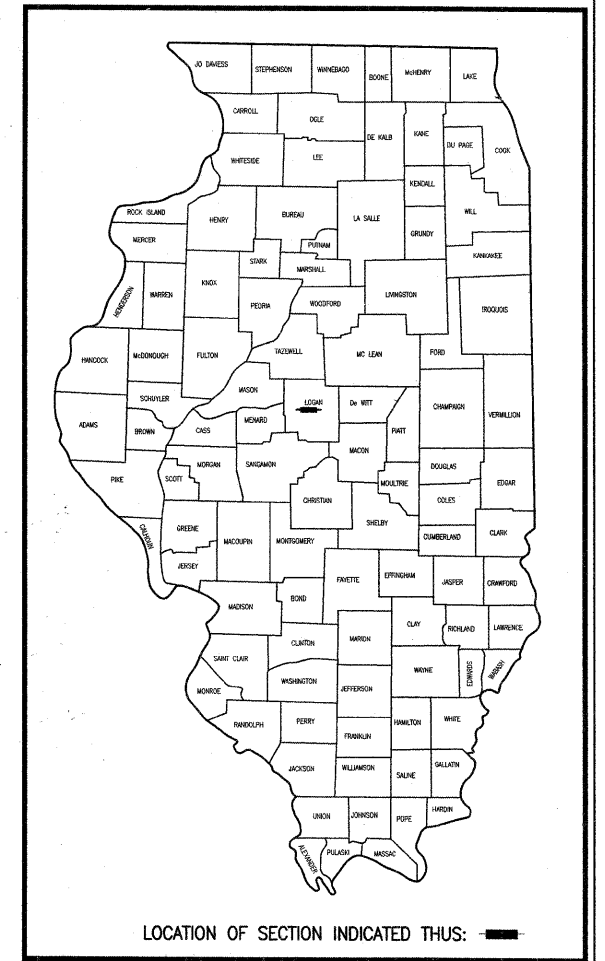


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	1
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. ...		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED HIGHWAY PLANS
F.A.S. ROUTE 569 (FIFTH STREET ROAD)

HIGH RISK RURAL ROAD PROGRAM

SECTION 07-00110-01-SP
PROJECT NO. HRR-0569(106)
LOGAN COUNTY
JOB NO. C-96-238-08



- INDEX OF SHEETS**
- 1 COVER SHEET
 - 2 SUMMARY OF QUANTITIES, TYPICAL SECTIONS & GENERAL NOTES
 - 3 SCHEDULE OF QUANTITIES
 - 4 GEOMETRIC CONTROL
 - 5-10 PLAN & PROFILE SHEETS
 - 11-15 DETAILS
 - 16-19 EROSION CONTROL
 - 20-26 CROSS SECTIONS

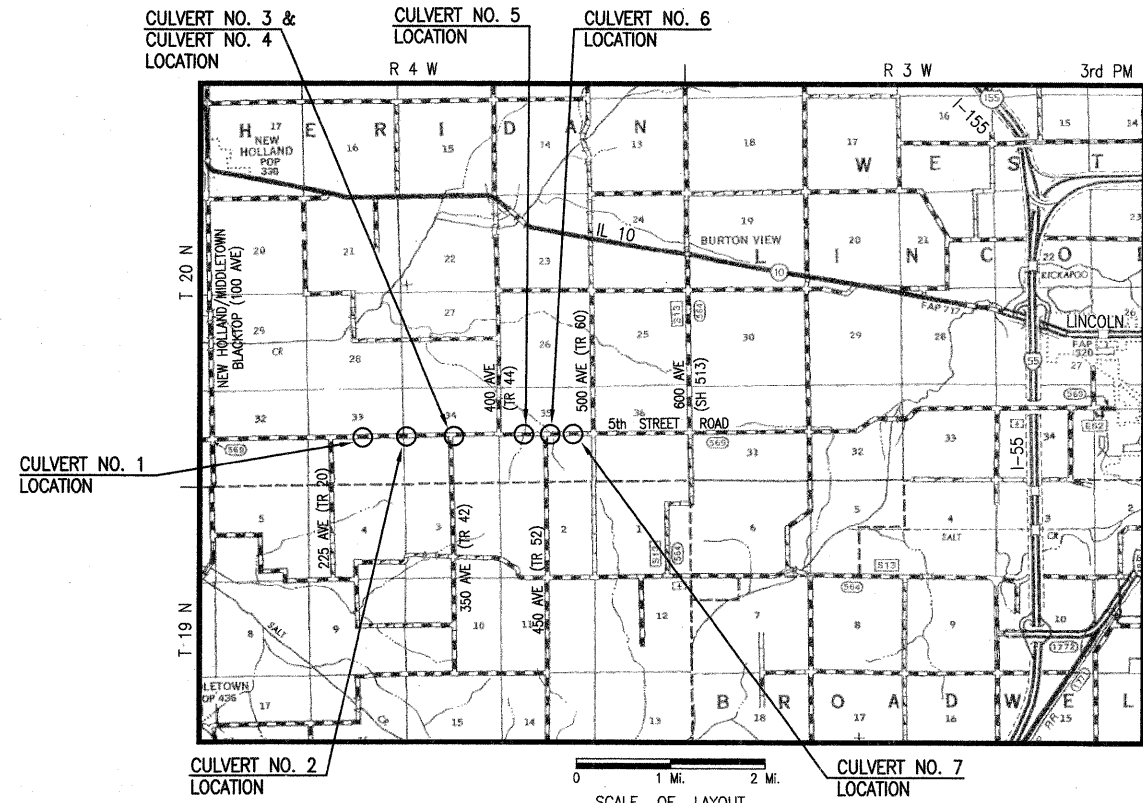
- HIGHWAY STANDARDS**
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 - 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
 - 542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
 - 542311-01 GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
 - 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
 - 701006-03 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
 - 701011-02 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 - 701201-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
 - 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 - 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH
 - 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
 - 701901-01 TRAFFIC CONTROL DEVICES
 - B.L.R. 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



TOLL FREE
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
(J.U.L.I.E.) TELEPHONE NUMBER
1-800-892-0123

VERIZON NORTH, INC.
110 EAST MONROE STREET
P.O. BOX 2675
BLOOMINGTON, IL 61702
MARY RUTH WILLIS
(309) 827-1617

AMEREN/CILCO
KENT KOWALSKIE
(309) 693-4839

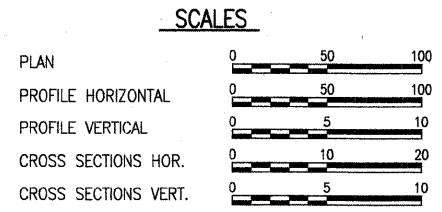


LENGTH OF PROJECT:

- CULVERT NO. 1 = 200.00 ft = 0.038 mi
- CULVERT NO. 2 = 300.00 ft = 0.057 mi
- CULVERT NO. 3 & 4 = 600.00 ft = 0.114 mi
- CULVERT NO. 5 = 300.00 ft = 0.057 mi
- CULVERT NO. 6 = 160.70 ft = 0.030 mi
- CULVERT NO. 7 = 300.00 ft = 0.057 mi

TOTAL LENGTH OF PROJECT = 1,860.70 ft = 0.352 mi

CONTRACT NO. 93479



UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PHASE 1 CONSTRUCTION:
CULVERT REPLACEMENTS ACROSS EXISTING ROADWAY, VARIOUS LOCATIONS.

08-08-08

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street, Springfield, IL 62703
Registration No. 184-001084
Phone: 217-788-2450 Fax: 217-788-2503
© Copyright Hanson Professional Services Inc. 2008

Lisa D. Kramer
LISA D. KRAMER
062-052150
STATE OF ILLINOIS
LICENSED PROFESSIONAL ENGINEER

DATE SIGNED: 8/8/08
LIC. EXP. DATE: 11/30/09

AGENCY RESPONSIBLE FOR LETTING

APPROVED: 8/8 OB
Bob A. Alby
COUNTY ENGINEER

PASSED: FEB 3 2009 09
Tommy J. ...
DISTRICT 6 ENGINEER OF LOCAL ROADS & STREETS

PASSED: February 2, 2009 09
Ken Dehaene
DISTRICT 6 ENGINEER OF CONSTRUCTION

RELEASING FOR BID BASED ON LIMITED REVIEW
FEB 3 2009 09
Roger J. ...
DISTRICT 4 ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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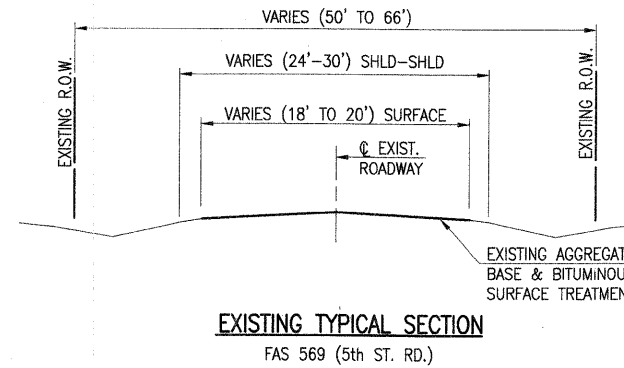
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COLLECTOR - DESIGN SPEED = 60 MPH

SUMMARY OF QUANTITIES

CODE	ITEM	UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	625
20800150	TRENCH BACKFILL	CU YD	89
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300
28000300	TEMPORARY DITCH CHECKS	EACH	25
28000500	INLET AND PIPE PROTECTION	EACH	13
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	89
*50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
*50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
*50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1
*50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1
*50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1
*50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1
*50100900	REMOVAL OF EXISTING STRUCTURES NO. 7	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	8.7
*50800105	REINFORCEMENT BARS	POUND	1490
54020603	PRECAST CONCRETE BOX CULVERT 6' X 3' (M273)	FOOT	84
54020604	PRECAST CONCRETE BOX CULVERT 6' X 4' (M273)	FOOT	156
54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	59
54200445	PIPE CULVERTS, TYPE 1 RCCP 30"	FOOT	32
*54200451	PIPE CULVERTS, TYPE 1 RCCP 36"	FOOT	96
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	8
54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	8
*61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	600**
61101007	STORM SEWERS PROTECTED, CLASS A, 6"	FOOT	65
61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	125
61101011	STORM SEWERS PROTECTED, CLASS A, 10"	FOOT	160
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	65
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	1
61139900	STORM SEWERS (SPECIAL) 6"	FOOT	12
67100100	MOBILIZATION	L SUM	1
*70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
*Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*X0004633	FIELD TILE ADJUSTMENT	EACH	6
*X0324548	PRECAST CONCRETE BOX CULVERT END SECTIONS 6' X 3'	EACH	4
*X0324838	GRATING FOR PRECAST CONCRETE BOX CULVERT END SECTION 6.0' X 4.0'	EACH	6
X0324838	PRECAST CONCRETE BOX CULVERT END SECTIONS 6' X 4'	EACH	6
X0324838	GRATING FOR PRECAST CONCRETE BOX CULVERT END SECTION 6' X 3'	EACH	4

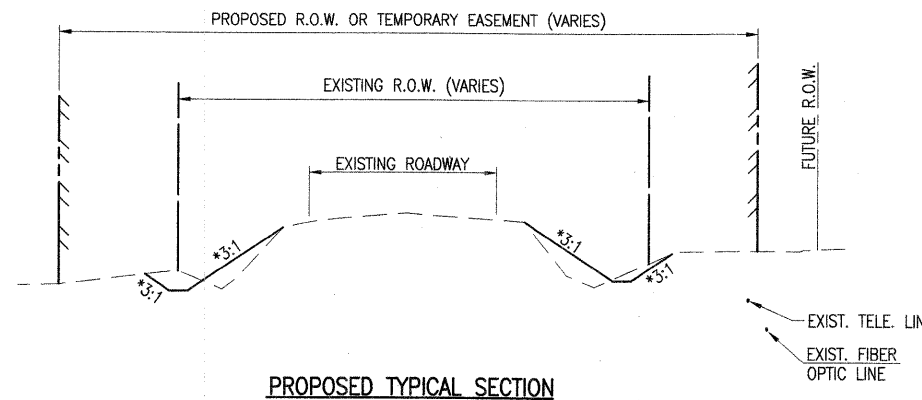
*SEE SPECIAL PROVISIONS AND/OR DETAILS.
 **QUANTITY PARTIALLY OR WHOLLY ASSUMED FOR ESTABLISHMENT OF UNIT PRICE.

CONSTRUCTION TYPE CODE: Y007

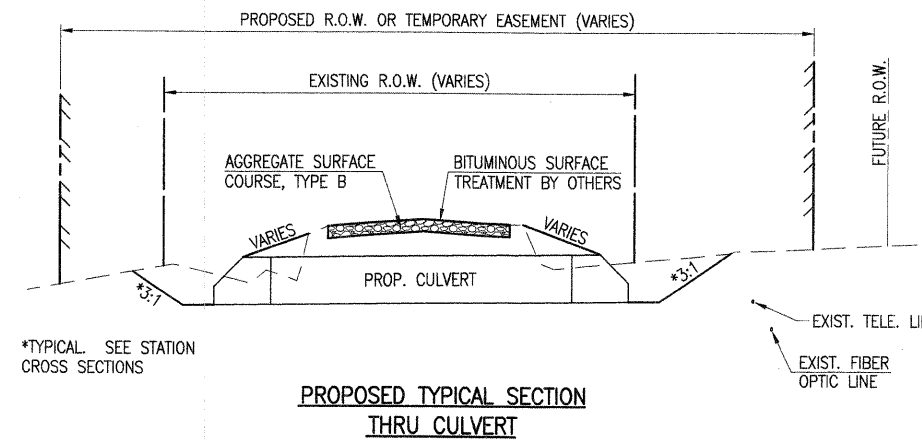


EXISTING TYPICAL SECTION

FAS 569 (5th ST. RD.)



PROPOSED TYPICAL SECTION



PROPOSED TYPICAL SECTION THRU CULVERT

*TYPICAL. SEE STATION CROSS SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	2
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE COST OF REMOVAL OF ANY EXISTING OBSTRUCTIONS OR CULVERTS WHICH INTERFERE WITH CONSTRUCTION AND ARE NOT NOTED TO BE REMOVED WILL BE CONSIDERED INCLUDED WITH THE COST OF EARTH EXCAVATION.
2. 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 MONUMENTS UNTIL THE OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3. THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. J.U.L.I.E. MEMBERS ACTIVE IN THE VICINITY OF THE PROJECT ARE LISTED ON THE COVER SHEET.
4. THE CONTRACTOR SHALL REMOVE ALL EXISTING RIGHT-OF-WAY MARKERS THAT INTERFERE WITH CONSTRUCTION AT NO ADDITIONAL COST TO THE PROJECT.
5. ALL TREES, BRUSH, AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ALL TREES BETWEEN THE CONSTRUCTION LIMITS AND THE RIGHT-OF-WAY WILL BE PRESERVED UNLESS DESIGNATED TO BE REMOVED BY THE ENGINEER.
6. PERMANENT SEEDING WILL BE COMPLETED BY THE LOGAN COUNTY HIGHWAY DEPARTMENT AND IS NOT INCLUDED WITHIN THIS CONTRACT.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES, TYPICAL SECTIONS & GENERAL NOTES
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE: PAGE 1 OF 1 STA. TO STA.

TEMPORARY DITCH CHECK	
LOCATION	EACH
CULVERT NO. 1	
95+60, LT	1
95+60, RT	1
96+11, LT	1
96+50, LT	1
96+50, RT	1
CULVERT NO. 2	
117+00, LT	1
117+00, RT	1
117+43, LT	1
118+20, LT	1
118+20, RT	1
CULVERT NO. 3 & NO. 4	
145+65, LT	1
145+65, RT	1
146+32, LT	1
CULVERT NO. 5	
182+65, LT	1
182+65, RT	1
183+25, LT	1
184+00, LT	1
184+00, RT	1
CULVERT NO. 6	
195+60, RT	1
196+22, LT	1
CULVERT NO. 7	
210+75, LT	1
210+75, RT	1
211+30, LT	1
212+00, LT	1
212+00, RT	1
TOTAL	25

TEMPORARY EROSION CONTROL SEEDING	
100 LB/ACRE x 2 APPLICATIONS	
LOCATION	POUND
CULVERT NO. 1	39.6
CULVERT NO. 2	59.2
CULVERT NO. 3 & NO. 4	35.5
CULVERT NO. 5	72.3
CULVERT NO. 6	26.4
CULVERT NO. 6	63.4
TOTAL	300

AGGREGATE SURFACE COURSE, TYPE A 8"	
LOCATION	2.05 T/CY TON
CULVERT NO. 1	5.9
CULVERT NO. 2	12.9
CULVERT NO. 3	6.4
CULVERT NO. 4	13.2
CULVERT NO. 5	16.3
CULVERT NO. 6	17.1
CULVERT NO. 7	16.8
TOTAL	89

EARTHWORK SCHEDULE				
① LOCATION	② EARTH EXCAVATION	③ EARTH EXCAV. ADJUSTED FOR SHRINKAGE (25%)	④ EMBANKMENT	⑤ EARTHWORK BALANCE WASTE(+) OR SHORTAGE (-)
CULVERT NO. 1	120 CY	90 CY	35 CY	+55 CY
CULVERT NO. 2	125 CY	95 CY	5 CY	+90 CY
CULVERT NO. 3 & NO. 4	80 CY	60 CY	75 CY	-15 CY
CULVERT NO. 5	150 CY	115 CY	95 CY	+20 CY
CULVERT NO. 6	45 CY	30 CY	55 CY	-25 CY
CULVERT NO. 7	105 CY	80 CY	15 CY	+65 CY
TOTAL	625 CY	470 CY	280 CY	+190 CY

COLUMN 3 = COLUMN 2 x 0.75
COLUMN 5 = COLUMN 3 - COLUMN 4

INLET & PIPE PROTECTION	
LOCATION	EACH
CULVERT NO. 1	
96+16, RT	1
CULVERT NO. 2	
117+48.5, RT	1
117+55.5, RT	1
CULVERT NO. 3 & NO. 4	
141+73.8, RT	1
143+39.0, RT	1
146+27.1, RT	1
146+34.1, RT	1
CULVERT NO. 5	
183+24.4, RT	1
183+31.6, RT	1
CULVERT NO. 6	
196+20.4, RT	1
196+27.6, RT	1
CULVERT NO. 7	
211+38.4, RT	1
211+45.6, RT	1
TOTAL	13

FIELD TILE ADJUSTMENT								
LOCATION	EXPLORATION TRENCH 52" DEPTH FOOT	STORM SEWER PROTECTED, CLASS A 6" FOOT	STORM SEWER PROTECTED, CLASS A 8" FOOT	STORM SEWER PROTECTED, CLASS A 10" FOOT	STORM SEWER PROTECTED, CLASS A 12" FOOT	STORM SEWER (SPECIAL) 6" FOOT	FIELD TILE JUNCTION VAULT, 2' DIA. EACH	FIELD TILE ADJUSTMENT EACH
STA 96+16.0	100*	65						1
STA 117+52.0	100*		65					1
STA 146+30.6	100*		60					1
STA 183+28.0	100*			85				1
STA 196+24.0	100*			75		12	1	1
STA 211+42.0	100*				65			1
TOTALS	600*	65	125	160	65	12	1	6

*QUANTITY PARTIALLY OR WHOLLY ASSUMED

LOCATION	PRECAST CONCRETE BOX CULVERTS (M273)						CIRCULAR PIPE CULVERTS, TYPE 1						TRENCH BACKFILL CU. YD.		
	PRECAST CONC. BOX CULV. 6'x3' FOOT	PRECAST CONC. BOX CULV. END SECTION, 6'x3' EACH	GRATING FOR BOX CULV. END SECTION, 6'x3' EACH	PRECAST CONC. BOX CULV. 6'x4' FOOT	PRECAST CONC. BOX CULV. END SECTION, 6'x4' EACH	GRATING FOR BOX CULV. END SECTION, 6'x4' EACH	24" RCCP FOOT	PRECAST REINF. CONC. F.E.S. 24" EACH	30" RCCP FOOT	PRECAST REINF. CONC. F.E.S. 30" EACH	36" RCCP FOOT	PRECAST REINF. CONC. F.E.S. 36" EACH		GRATING FOR PRECAST CONC. F.E.S. 36" EACH	
STA 96+16.00										32	2			5.3	
STA 117+48.50												24	2	2	7.6
STA 117+55.50												24	2	2	
STA 142+00.00, RT							59	2						3.8	
STA 146+27.10											24	2	2	7.7	
STA 146+34.10											24	2	2		
STA 183+24.29	42	2	2											20.0	
STA 183+31.71	42	2	2												
STA 196+20.29				36	2	2								26.6	
STA 196+27.71				36	2	2									
STA 211+38.29				42	1	1								18.0	
STA 211+45.71				42	1	1									
TOTALS	84	4	4	156	6	6	59	2	32	2	96	8	8	89	

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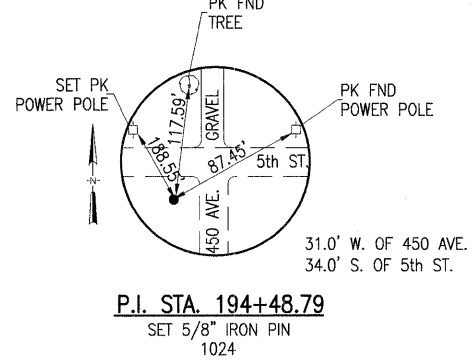
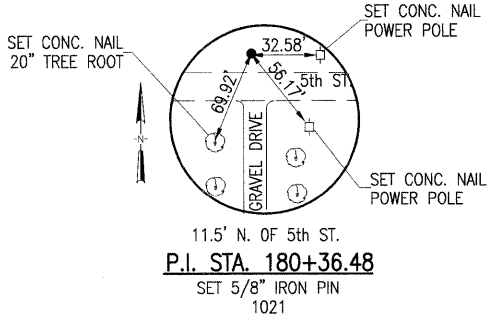
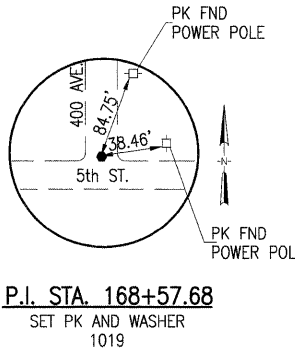
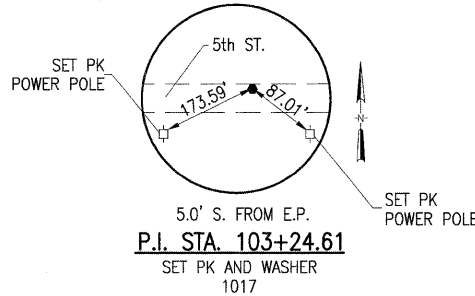
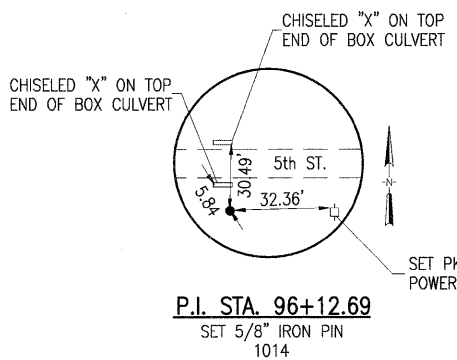


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES		
5th STREET ROAD		
LOGAN COUNTY, ILLINOIS		
SCALE:	PAGE 1 OF 1	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	4
PROJECT NO. HRR-0569(106)		CONTRACT NO.	93479	
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	



CURVE #5
 1014 P.I. STA 96+12.69
 $\Delta = 1^\circ-59'-25''$ L
 $D\alpha = 00^\circ-29'-38''$
 $T = 201.48'$
 $R = 11600.00'$
 $L = 402.92'$
 $E = 1.75'$
 1013 P.C. STA 94+11.20
 1015 P.T. STA 98+14.13
 S.E. = NONE

CURVE #6
 1017 P.I. STA 103+24.61
 $\Delta = 1^\circ-54'-07''$ R
 $D\alpha = 00^\circ-28'-25''$
 $T = 200.84'$
 $R = 12100.00'$
 $L = 401.65'$
 $E = 1.67'$
 1016 P.C. STA 101+23.76
 1018 P.T. STA 105+25.42
 S.E. = NONE

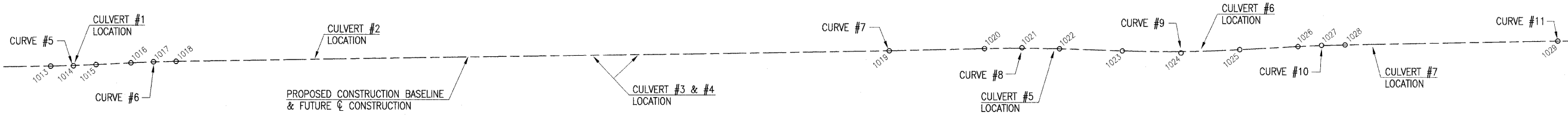
CURVE #7
 1019 P.I. STA 168+57.68
 NO CURVE
 $\Delta = 00^\circ-25'-25''$ L

CURVE #8
 1021 P.I. STA 180+36.48
 $\Delta = 3^\circ-18'-55''$ R
 $D\alpha = 00^\circ-29'-54''$
 $T = 332.80'$
 $R = 11500.00'$
 $L = 665.41'$
 $E = 4.81'$
 1020 P.C. STA 177+03.68
 1022 P.T. STA 183+69.09
 S.E. = NONE

CURVE #9
 1024 P.I. STA 194+48.79
 $\Delta = 5^\circ-11'-27''$ L
 $D\alpha = 00^\circ-29'-54''$
 $T = 521.30'$
 $R = 11500.00'$
 $L = 1041.88'$
 $E = 11.81'$
 1023 P.C. STA 189+27.50
 1025 P.T. STA 199+69.38
 S.E. = NONE

CURVE #10
 1027 P.I. STA 206+96.77
 $\Delta = 2^\circ-05'-06''$ R
 $D\alpha = 00^\circ-29'-54''$
 $T = 209.26'$
 $R = 11500.00'$
 $L = 418.48'$
 $E = 1.90'$
 1026 P.C. STA 204+87.50
 1028 P.T. STA 209+05.98
 S.E. = NONE

CURVE #11
 1029 P.I. STA 227+94.96
 NO CURVE
 $\Delta = 00^\circ-49'-14''$ R



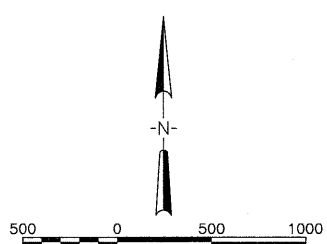
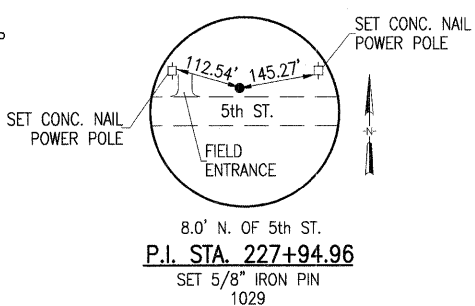
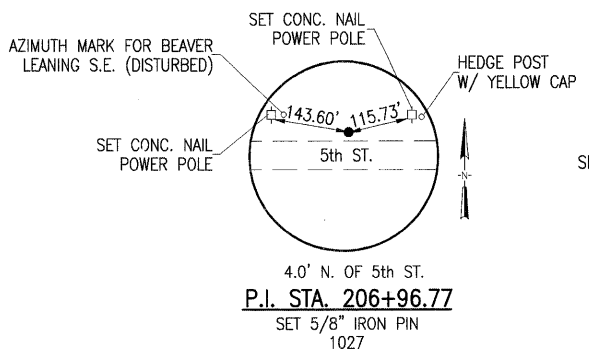
CONTROL POINTS

PT #	NORTH	EAST
1013	1266678.98	2469077.06
1014	1266681.62	2469278.52
1015	1266691.25	2469479.77
1016	1266706.05	2469789.05
1017	1266715.66	2469989.67
1018	1266718.60	2470190.49
1019	1266811.28	2476522.08
1020	1266829.91	2477367.87
1021	1266837.25	2477700.59
1022	1266825.32	2478033.17
1023	1266805.32	2478591.22
1024	1266786.65	2479112.19
1025	1266815.18	2479632.70
1026	1266843.54	2480150.05
1027	1266855.00	2480359.00
1028	1266858.85	2480568.23
1029	1266893.56	2482456.88

BENCHMARKS

- BENCHMARK #14 - SET RR SPIKE N FACE POWER POLE S SIDE 5th STREET ROAD. ELEV. 573.83 STA. 88+97.1, 8.8' RT.
- BENCHMARK #15 - SET RR SPIKE N FACE POWER POLE S SIDE 5th STREET ROAD. ELEV. 570.20 STA. 114+23.2, 32.7' RT.
- BENCHMARK #16 - CHISELED "I" TOP NE CORNER CONC. BOX CULVERT WALL IN SE QUADRANT OF 5th STREET ROAD & 350 AVE. ELEV. 574.24 STA. 142+36.7, 28.6' RT.
- BENCHMARK #18 - SET RR SPIKE S FACE POWER POLE NE QUADRANT 5th STREET ROAD & 450 AVE. ELEV. 572.00 STA. 195+04.2, 58.4' LT.

VERTICAL DATUM: NGVD 29



LAYOUT: 6/30/08
 B.B. 7/30/08
 DRAWN: 7/30/08
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CHECKED -	REVISED -
DATE - 08-08-08	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

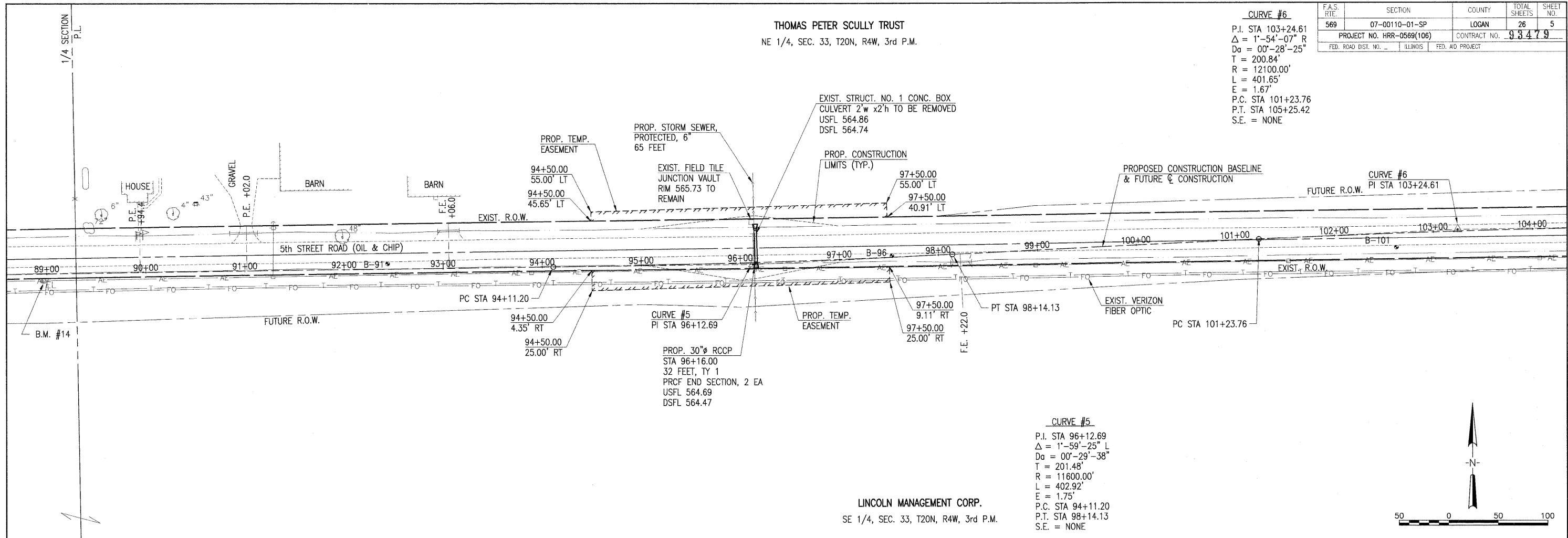
GEOMETRIC CONTROL
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE:	PAGE 1 OF 1	STA.	TO STA.
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THOMAS PETER SCULLY TRUST
NE 1/4, SEC. 33, T20N, R4W, 3rd P.M.

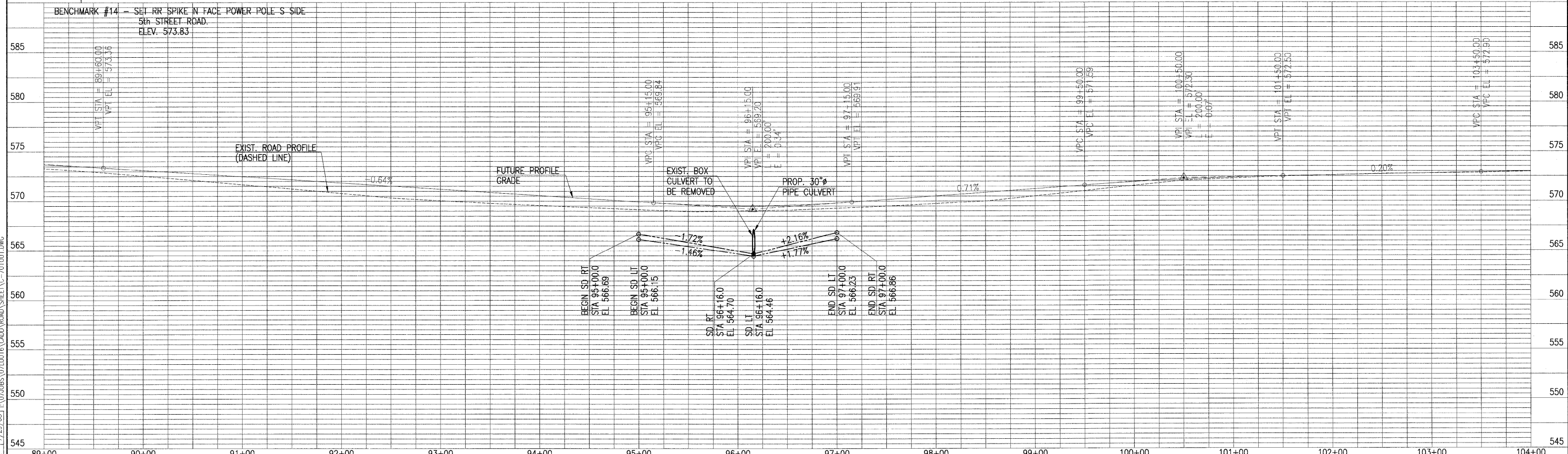
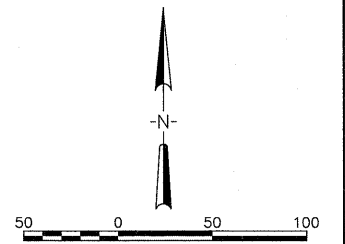
F.A.S. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	5
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

CURVE #6
 P.I. STA 103+24.61
 $\Delta = 1^{\circ}54'07''$ R
 $D_a = 00^{\circ}28'25''$
 $T = 200.84'$
 $R = 12100.00'$
 $L = 401.65'$
 $E = 1.67'$
 P.C. STA 101+23.76
 P.T. STA 105+25.42
 S.E. = NONE



CURVE #5
 P.I. STA 96+12.69
 $\Delta = 1^{\circ}59'25''$ L
 $D_a = 00^{\circ}29'38''$
 $T = 201.48'$
 $R = 11600.00'$
 $L = 402.92'$
 $E = 1.75'$
 P.C. STA 94+11.20
 P.T. STA 98+14.13
 S.E. = NONE

LINCOLN MANAGEMENT CORP.
SE 1/4, SEC. 33, T20N, R4W, 3rd P.M.



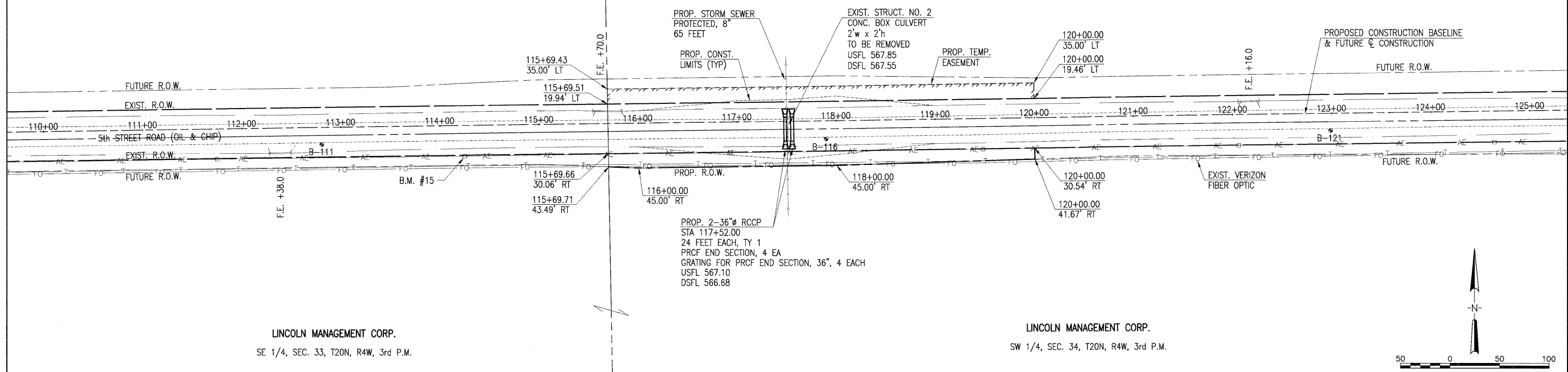
LAYOUT EJB 6/30/08
 DRAWN EJB 7/30/08
 REVIEWED LDK 7/29/08
 AUG 06, 2008 11:03 AM
 \072608\0710016\CADD\ROAD\SHHEET-C-701001.DWG

<p>Hanson Professional Services Inc. 1525 South Sixth Street, Springfield, IL 62703 Registration No. 164-001084 © Copyright Hanson Professional Services Inc. 2008</p>	DESIGNED - DRAWN - CHECKED - DATE - 08-08-08	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT NO. 1 PLAN & PROFILE 5th STREET ROAD LOGAN COUNTY, ILLINOIS	SCALE: 1"=50'H; 1"=5'V PAGE 1 OF 6 STA. 89+00.00 TO STA. 104+00.00
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	6
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

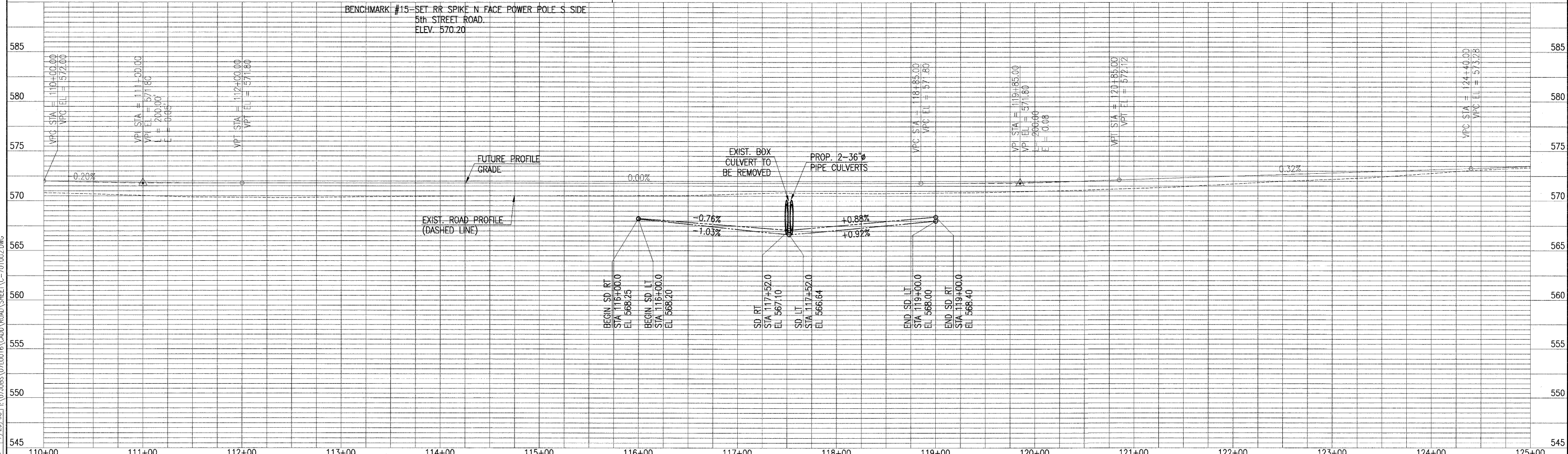
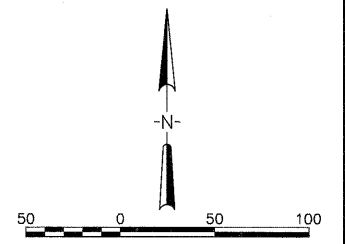
THOMAS PETER SCULLY TRUST
NE 1/4, SEC. 33, T20N, R4W, 3rd P.M.

THOMAS PETER SCULLY TRUST
NW 1/4, SEC. 34, T20N, R4W, 3rd P.M.



LINCOLN MANAGEMENT CORP.
SE 1/4, SEC. 33, T20N, R4W, 3rd P.M.

LINCOLN MANAGEMENT CORP.
SW 1/4, SEC. 34, T20N, R4W, 3rd P.M.



BENCHMARK #15 - SET RR SPIKE N FACE POWER POLE S SIDE
5th STREET ROAD.
ELEV. 570.20

LAYOUT 6/30/08
 DRAWN 7/30/08
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CHECKED	-	REVISED	-
DATE	08-08-08	REVISED	-

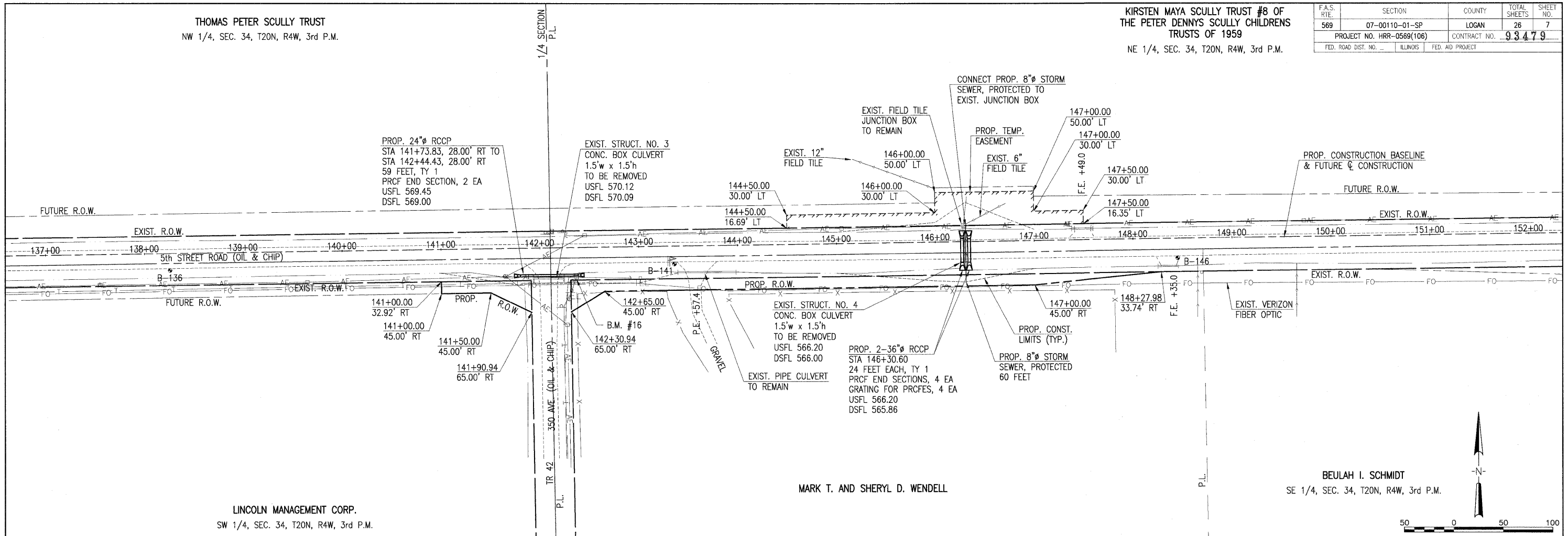
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT NO. 2 PLAN & PROFILE
5th STREET ROAD
LOGAN COUNTY, ILLINOIS
SCALE: 1"=50'H; 1"=5'V
PAGE 2 OF 6
STA. 110+00.00 TO STA. 125+00.00

THOMAS PETER SCULLY TRUST
NW 1/4, SEC. 34, T20N, R4W, 3rd P.M.

KIRSTEN MAYA SCULLY TRUST #8 OF
THE PETER DENNY'S SCULLY CHILDRENS
TRUSTS OF 1959
NE 1/4, SEC. 34, T20N, R4W, 3rd P.M.

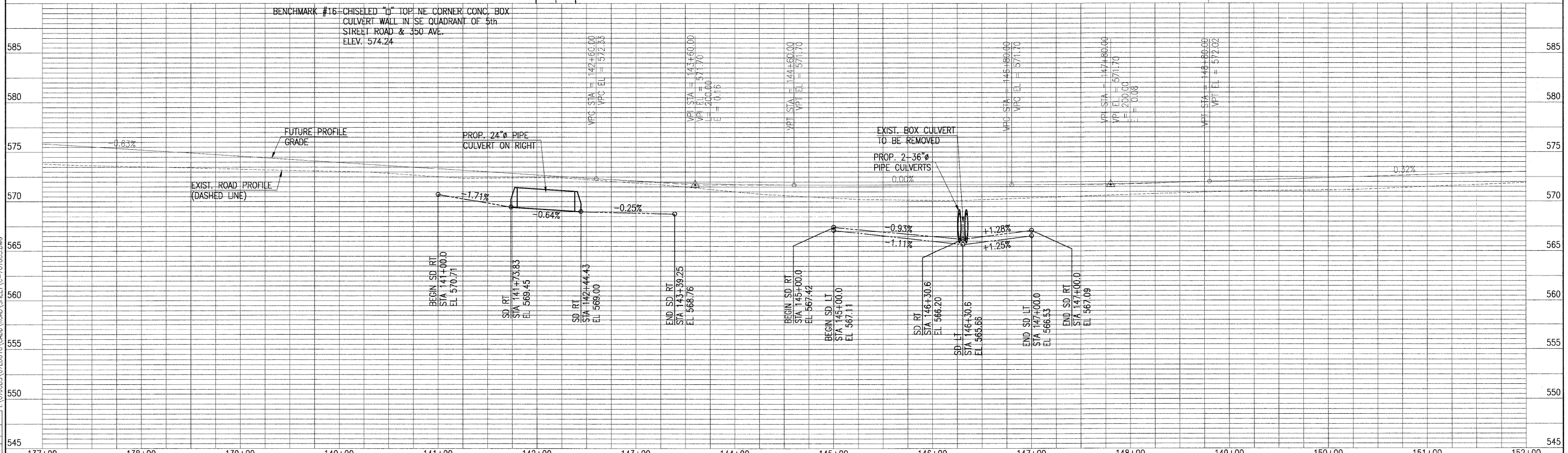
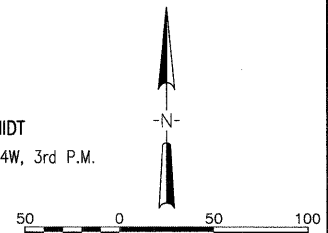
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PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		



LINCOLN MANAGEMENT CORP.
SW 1/4, SEC. 34, T20N, R4W, 3rd P.M.

MARK T. AND SHERYL D. WENDELL

BEULAH I. SCHMIDT
SE 1/4, SEC. 34, T20N, R4W, 3rd P.M.



LAYOUT 6/30/08
 B.B. 7/30/08
 DRAWN 7/30/08
 REVIEWED 7/29/08
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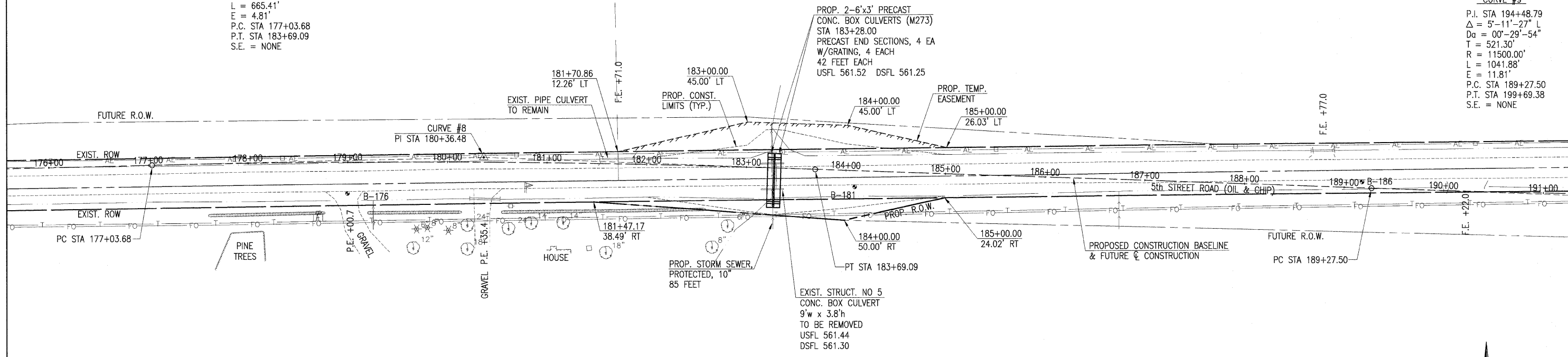
LILA L. NAFZIER
NW 1/4, SEC. 35, T20N, R4W, 3rd P.M.

CURVE #8
P.I. STA 180+36.48
 $\Delta = 3^{\circ}-18'-55''$ R
 $D_a = 00^{\circ}-29'-54''$
T = 332.80'
R = 11500.00'
L = 665.41'
E = 4.81'
P.C. STA 177+03.68
P.T. STA 183+69.09
S.E. = NONE

WALLACE F. AND WILMA J. DAHMM
NW 1/4, SEC. 35, T20N, R4W, 3rd P.M.

F.A.S. RTE. 569	SECTION 07-00110-01-SP	COUNTY LOGAN	TOTAL SHEETS 26	SHEET NO. 8
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CURVE #9
P.I. STA 194+48.79
 $\Delta = 5^{\circ}-11'-27''$ L
 $D_a = 00^{\circ}-29'-54''$
T = 521.30'
R = 11500.00'
L = 1041.88'
E = 11.81'
P.C. STA 189+27.50
P.T. STA 199+69.38
S.E. = NONE

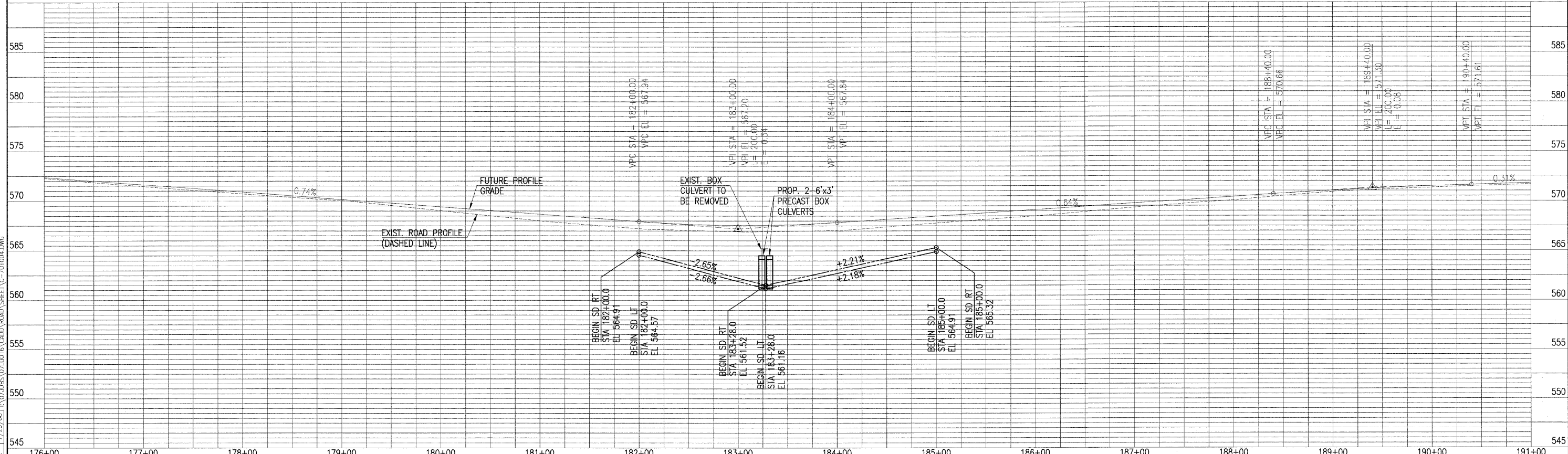
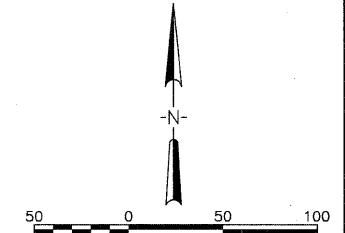


WATERWAY INFORMATION

DRAINAGE AREA = 310 ACRES LOW GRADE ELEV. = 567.54 @ STA. 183+07

FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		NAT. H.W.E.	HEAD - FT.		HEADWATER EL.	
			EXIST.	PROP.		EXIST.	PROP.	EXIST.	PROP.
DESIGN	30	256	34.2	36.0	565.13	1.34	0.98	566.47	566.11
MAX. CALC. (OVERTOPPING)	100	400	34.2	36.0	565.56	2.39	2.35	567.95	567.91

NADINE GAY SCULLY TRUST #7 OF
THE PETER DENNYS SCULLY CHILDRENS
TRUSTS OF 1959
SW 1/4, SEC. 35, T20N, R4W, 3rd P.M.



LAYOUT 6/20/08
 DRAWN 7/20/08
 REVIEWED 7/29/08
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WALLACE F. AND WILMA J. DAHMM
NW 1/4, SEC. 35, T20N, R4W, 3rd P.M.

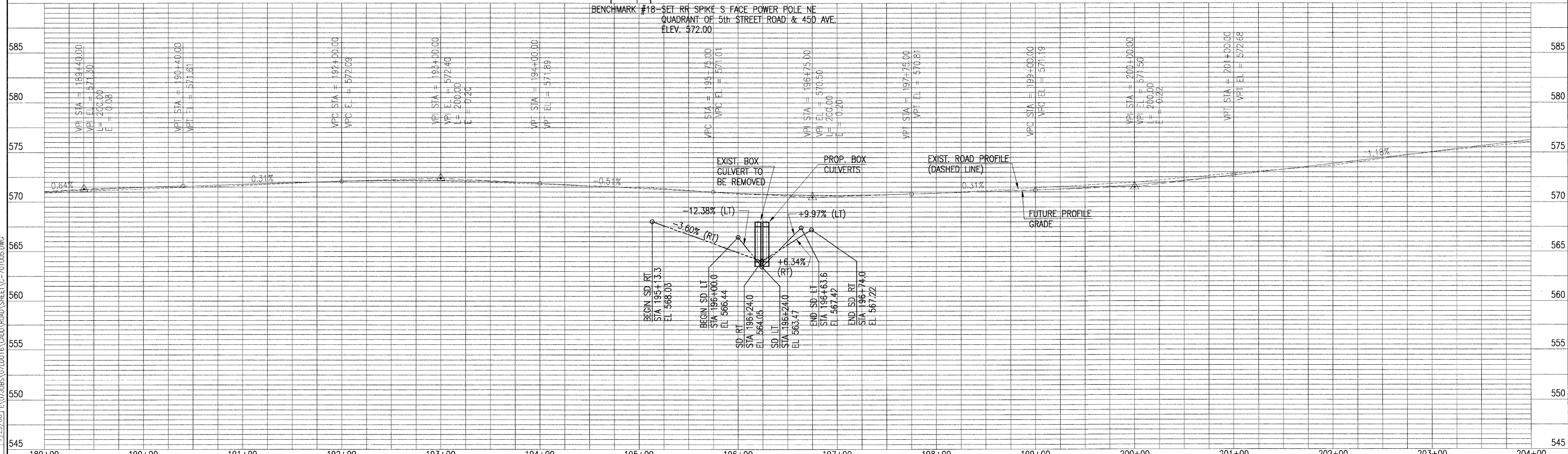
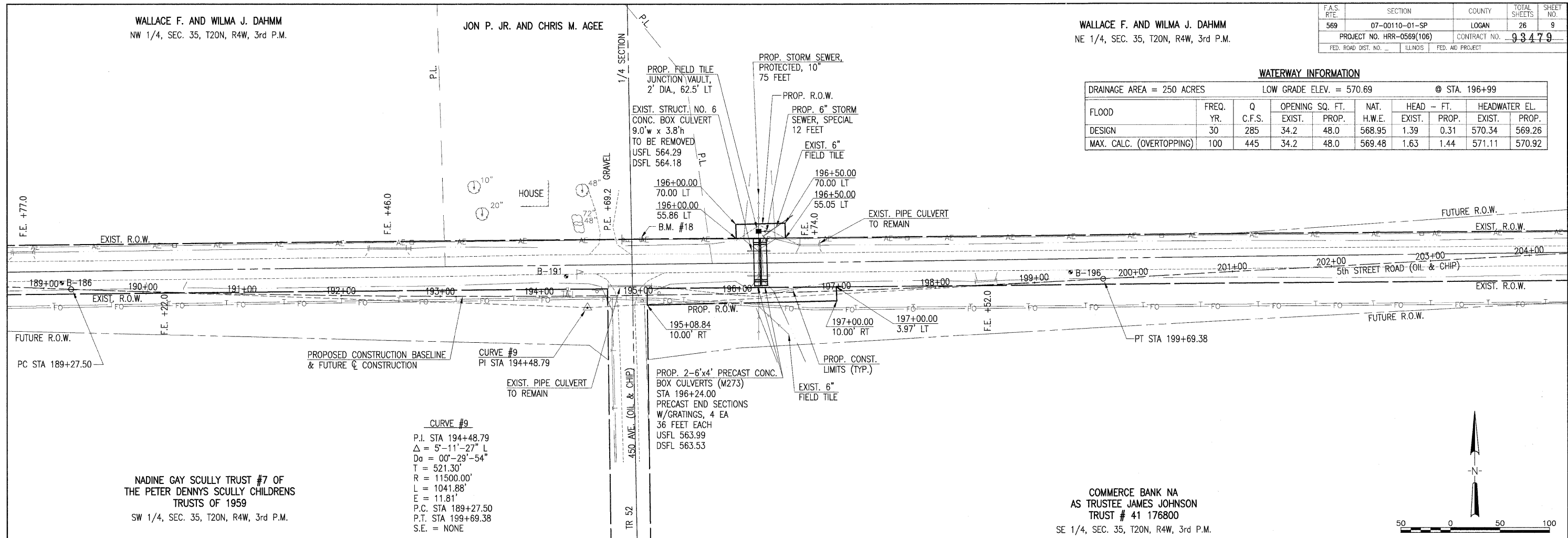
JON P. JR. AND CHRIS M. AGEE

WALLACE F. AND WILMA J. DAHMM
NE 1/4, SEC. 35, T20N, R4W, 3rd P.M.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	9
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

WATERWAY INFORMATION

DRAINAGE AREA = 250 ACRES		LOW GRADE ELEV. = 570.69		@ STA. 196+99		
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.	NAT. H.W.E.	HEAD - FT.	HEADWATER EL.
DESIGN	30	285	34.2	568.95	1.39	570.34
MAX. CALC. (OVERTOPPING)	100	445	34.2	569.48	1.63	571.11
					1.44	571.11
						570.92



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DRAWN: BAB 7/30/08
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WALLACE F. AND WILMA J. DAHMM
NE 1/4, SEC. 35, T20N, R4W, 3rd P.M.

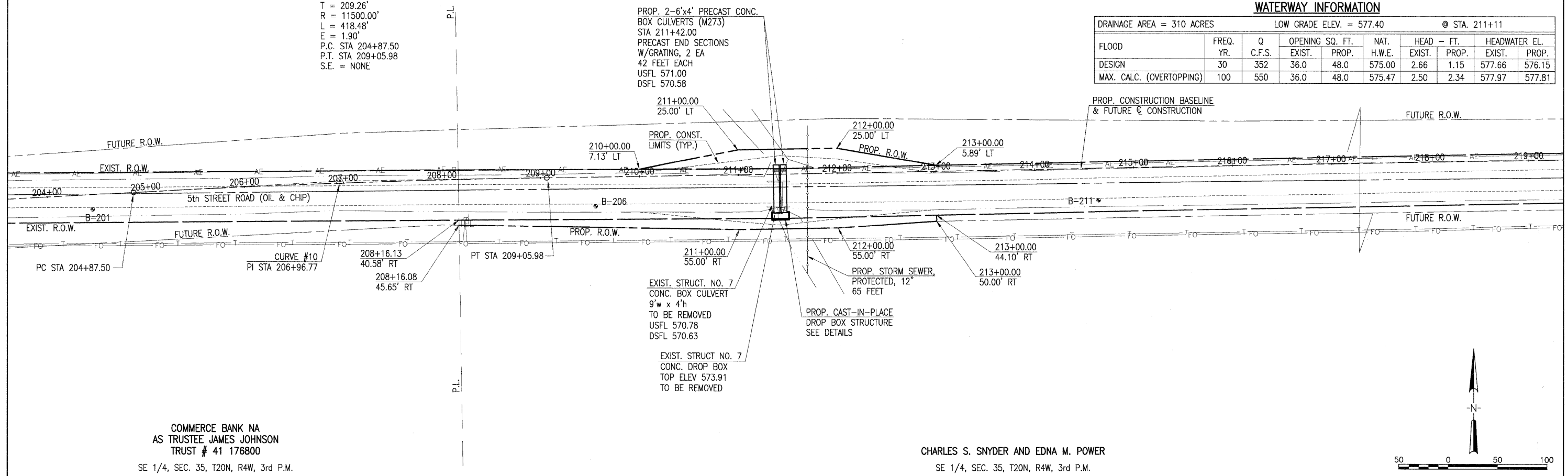
CURVE #10
P.I. STA 206+96.77
 $\Delta = 2'-05''-06''$ R
 $\Delta a = 00'-29''-54''$
T = 209.26'
R = 11500.00'
L = 418.48'
E = 1.90'
P.C. STA 204+87.50
P.T. STA 209+05.98
S.E. = NONE

CHARLES S. SNYDER AND EDNA M. POWER
NE 1/4, SEC. 35, T20N, R4W, 3rd P.M.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	10
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

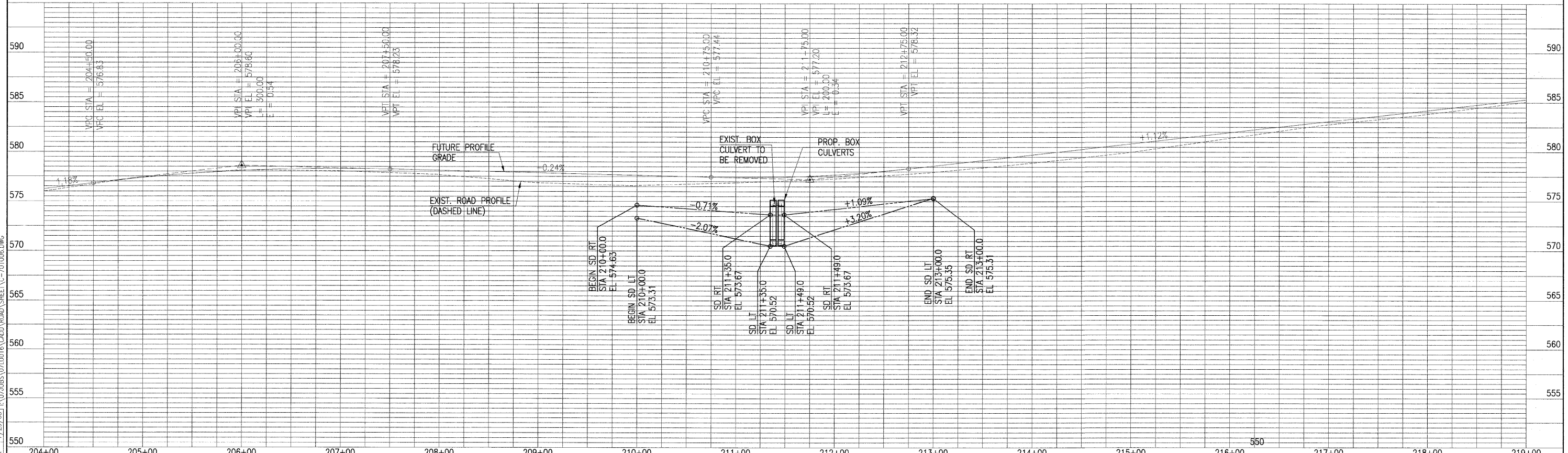
WATERWAY INFORMATION

DRAINAGE AREA = 310 ACRES		LOW GRADE ELEV. = 577.40		@ STA. 211+11		
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.	NAT. H.W.E.	HEAD - FT.	HEADWATER EL.
DESIGN	30	352	36.0	48.0	575.00	2.66
MAX. CALC. (OVERTOPPING)	100	550	36.0	48.0	575.47	2.50
					2.34	577.97
						576.15
						577.81

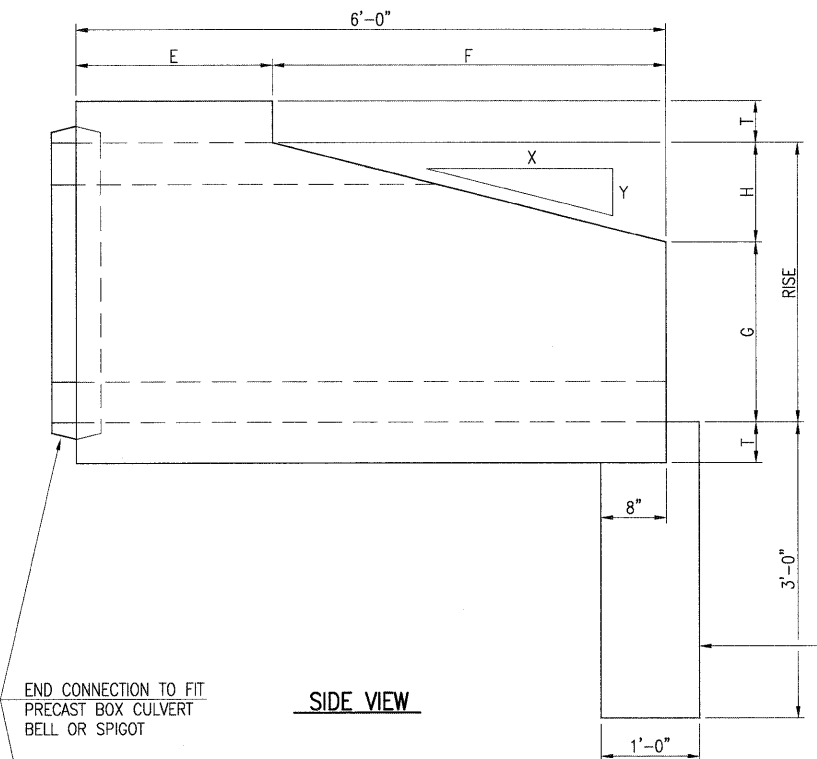


COMMERCE BANK NA
AS TRUSTEE JAMES JOHNSON
TRUST # 41 176800
SE 1/4, SEC. 35, T20N, R4W, 3rd P.M.

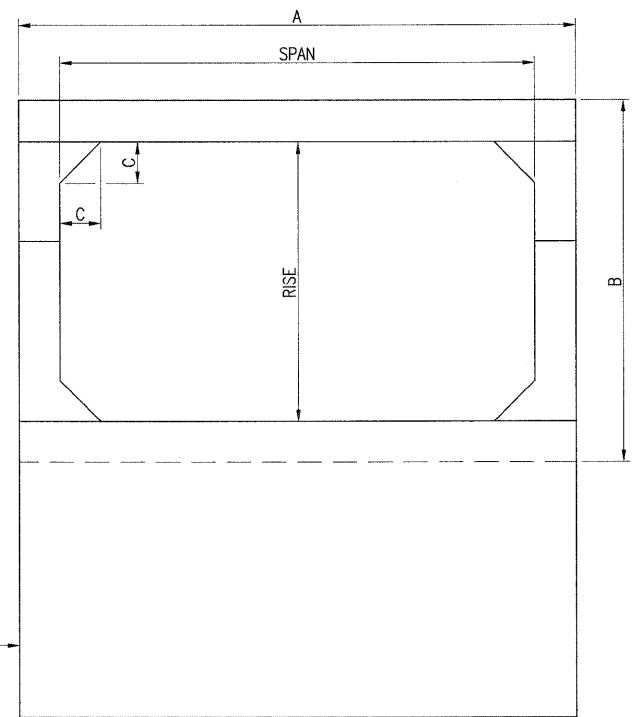
CHARLES S. SNYDER AND EDNA M. POWER
SE 1/4, SEC. 35, T20N, R4W, 3rd P.M.



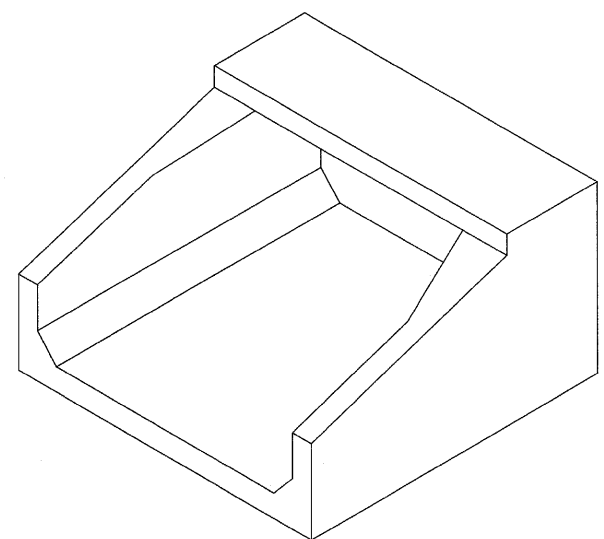
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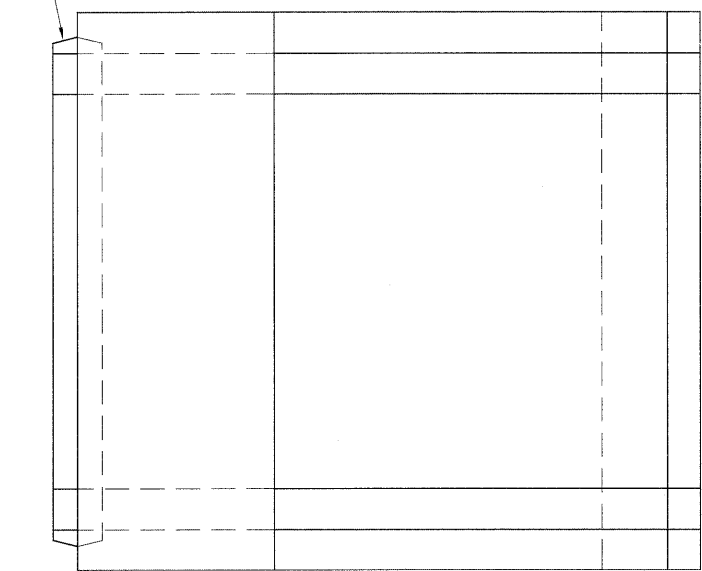
SIDE VIEW



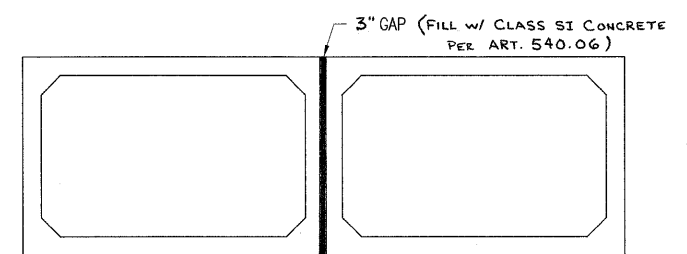
END VIEW



ISOMETRIC VIEW



PLAN VIEW



MULTIPLE CELL CULVERTS

SPAN X RISE (FT.)	T (IN.)	A (FT.-IN.)	B (FT.-IN.)	C (IN.)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE
6' X 3'	7"	7'-2"	4'-2"	7"	2'-0"	4'-0"	1'-8"	1'-4"	3:1
6' X 4'	7"	7'-2"	5'-2"	7"	2'-0"	4'-0"	2'-0"	2'-0"	2:1

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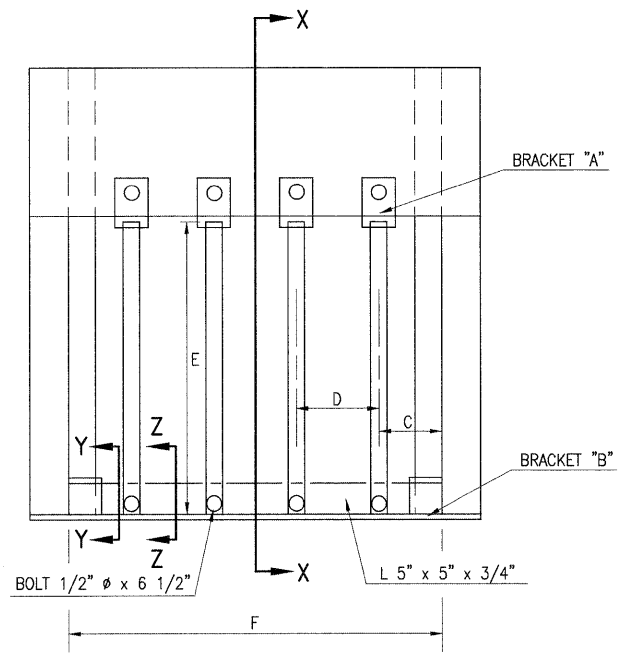
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DATE - 08-08-08	REVISED -

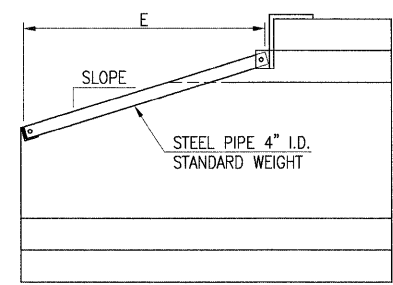
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

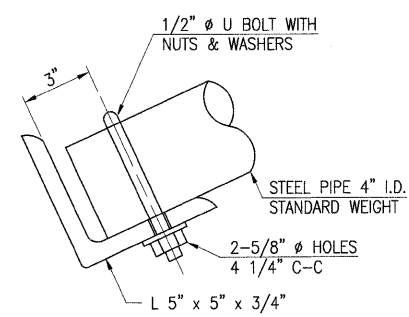
SCALE:	PAGE 1 OF 5	STA. TO STA.
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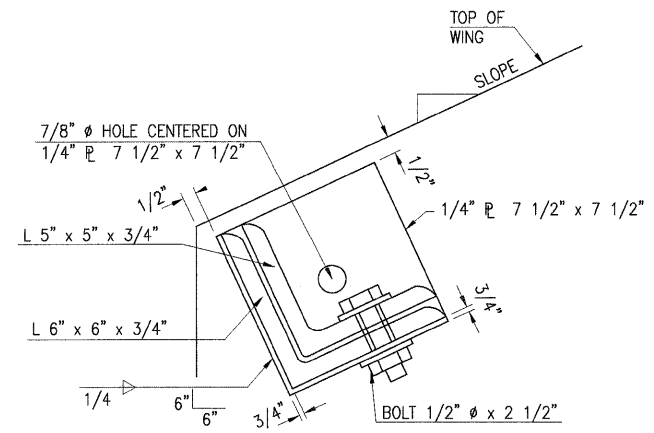
PLAN VIEW



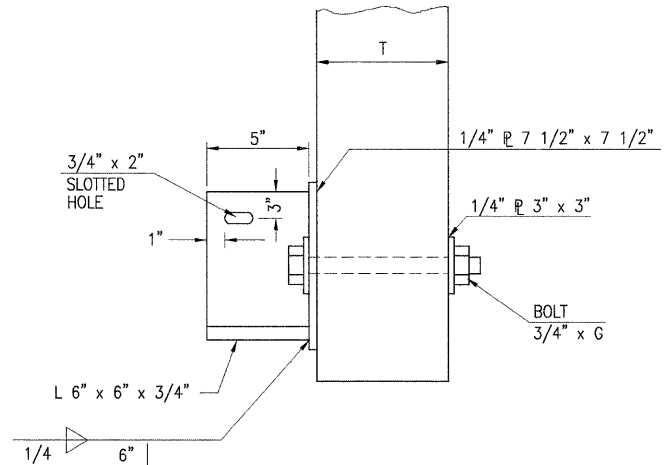
SECTION X-X



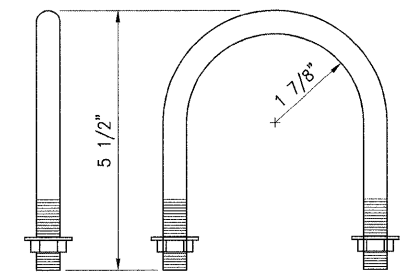
SECTION Z-Z



SECTION Y-Y OF BRACKET "B"

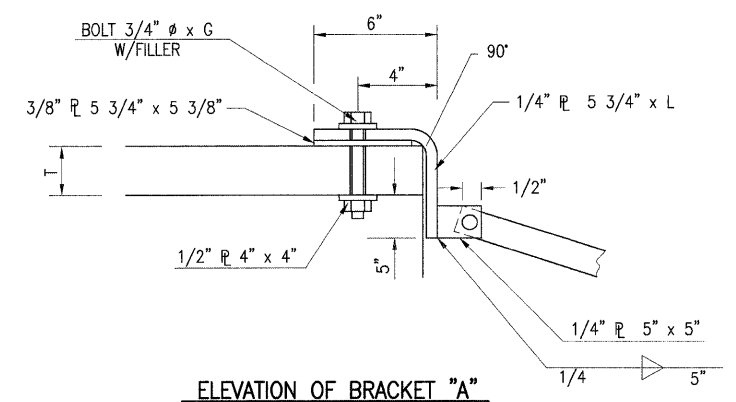


PLAN OF BRACKET "B"

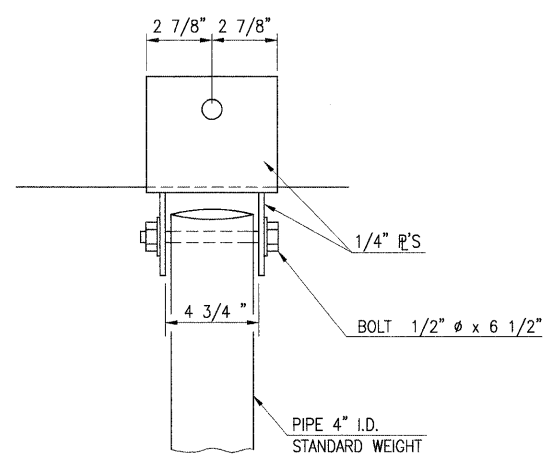


1/2" U BOLT (1 PER PIPE REQUIRED)

- GENERAL NOTES**
- BOLTS AND NUTS SHALL CONFORM TO A.S.T.M. A307, AND SHALL BE GALVANIZED IN ACCORDANCE WITH A.A.S.H.T.O. M232. ALL BOLTS SHALL HAVE WASHERS AT EACH END. HOLES SHALL BE 2" OVERSIZE UNLESS OTHERWISE NOTED EXCEPT IN CONCRETE WHICH SHALL BE 3/16" OVERSIZE.
 - ANGLES AND STEEL PLATES SHALL CONFORM TO A.A.S.H.T.O. M183. STEEL PIPES SHALL CONFORM TO A.S.T.M. A53 GRADE B.
 - STEEL PIPES, ANGLES AND PLATES SHALL BE GALVANIZED IN ACCORDANCE WITH A.A.S.H.T.O. M-111.
 - THE APPROXIMATE WEIGHT OF STEEL IS LISTED ABOVE. THIS TOTAL INCLUDES PLATES, ANGLES AND PIPES. BOLTS, NUTS AND WASHERS ARE NOT INCLUDED.
 - THE CONTRACTOR SHALL VERIFY THE PIPE LENGTHS AND HOLE LOCATIONS PRIOR TO CUTTING THE PIPES TO LENGTH OR DRILLING HOLES.
 - GRATING FOR THE PRECAST END SECTION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "GRATING FOR PRECAST CONCRETE BOX CULVERT END SECTION" OF THE SIZE SPECIFIED WHICH PRICE SHALL INCLUDE FABRICATION, GALVANIZING AND INSTALLATION OF THE GRATING AS DETAILED.



ELEVATION OF BRACKET "A"

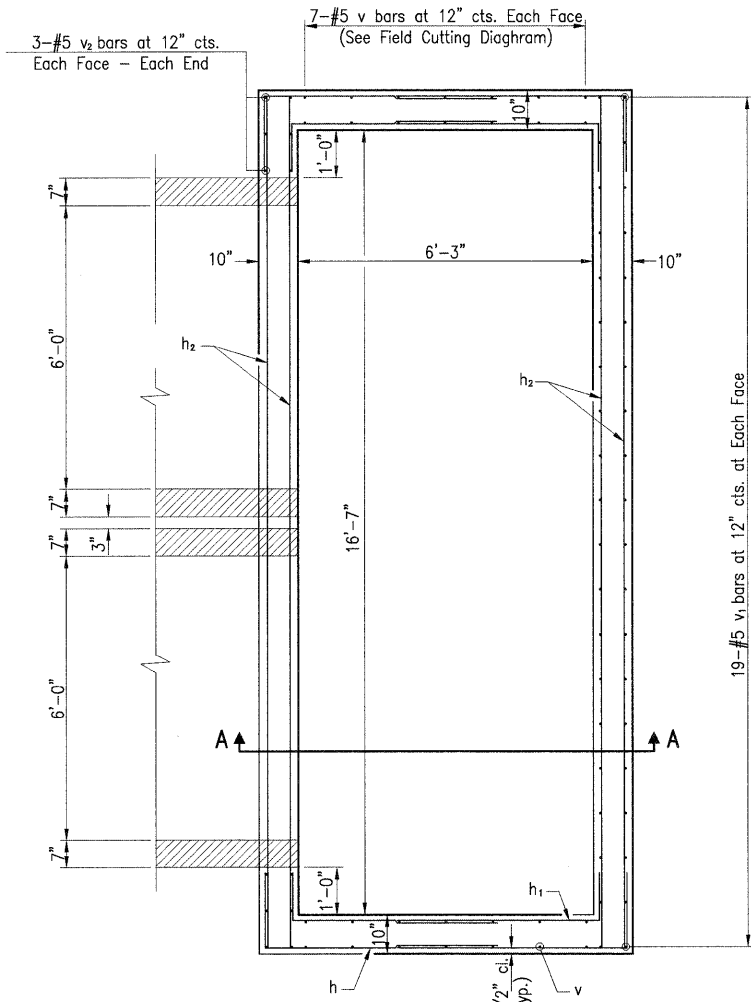


PLAN OF BRACKET "A"

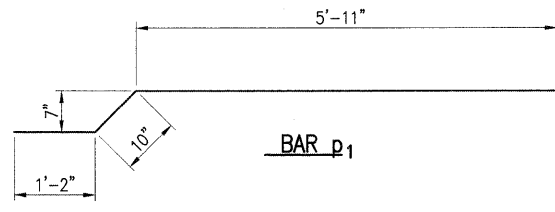
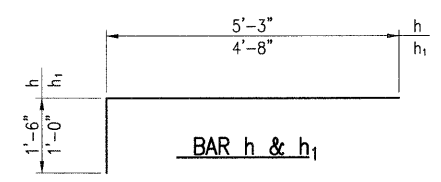
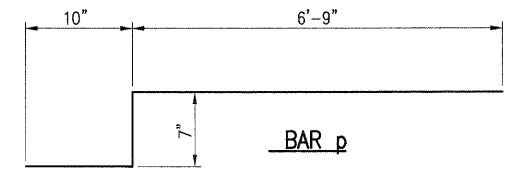
BOX CULVERT SPAN AND RISE	EXT. SPACE C(in)	INT. SPACE D(in)	SLOPE	NO. PIPES REQ'D	PIPE LENGTH E(ft)	ANGLE LENGTH F(ft)	BOLT LENGTH G (in)	L (in)	WALL THICK. T (in)
6' x 3'	18"	18"	3:1	3	3'-9"	5'-10"	10"	18 1/8"	7"
6' x 4'	18"	18"	2:1	3	4'-0"	5'-10"	10"	18 1/8"	7"

LAYOUT: BJB 6/30/08
 DRAWN: BJB 7/30/08
 REVIEWED: LJK 7/29/08
 AUG 06, 2008 11:07 AM
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DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE - 08-08-08	REVISED -

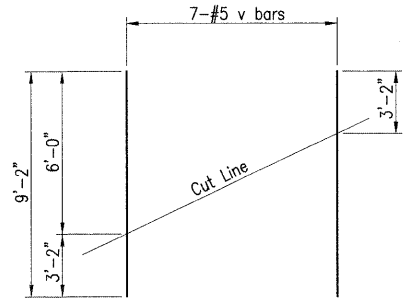


PLAN VIEW



BILL OF MATERIAL

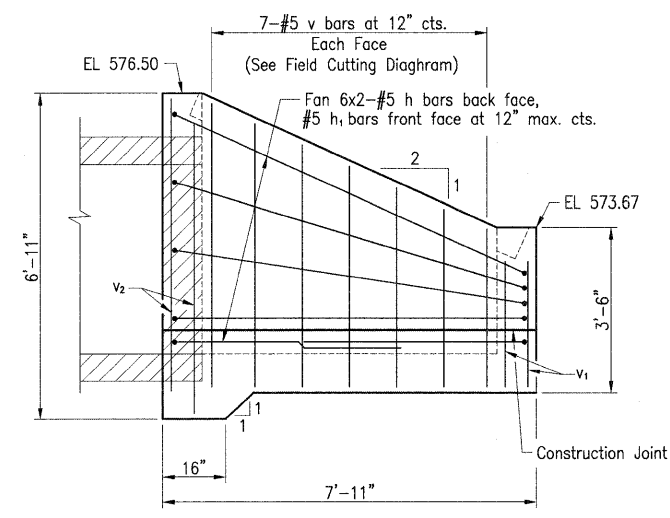
BAR.	NO.	SIZE	LENGTH	SHAPE
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h1	24	#5	5'-8"	
h2	29	#5	18'-0"	
p	19	#5	8'-2"	
p1	19	#5	7'-11"	
V	14	#5	9'-2"	
V1	38	#5	2'-8"	
V2	12	#5	6'-2"	
CONCRETE STRUCTURES				Cu. Yd. 8.70
REINFORCEMENT BARS				Lbs. 1490



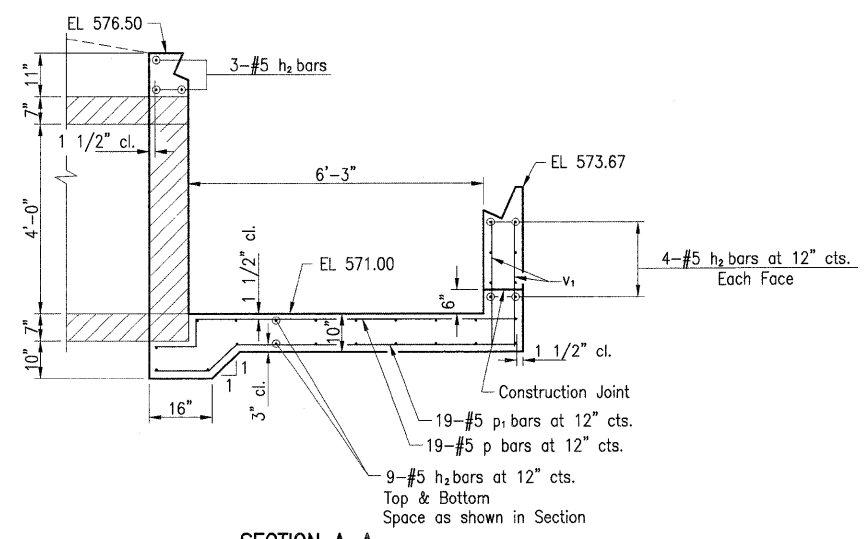
FIELD CUTTING DIAGRAM

Order v bar full length. Cut as shown and use remainder of bars in opposite face.

NOTES: CLASS SI CONCRETE SHALL BE USED.



SIDE VIEW

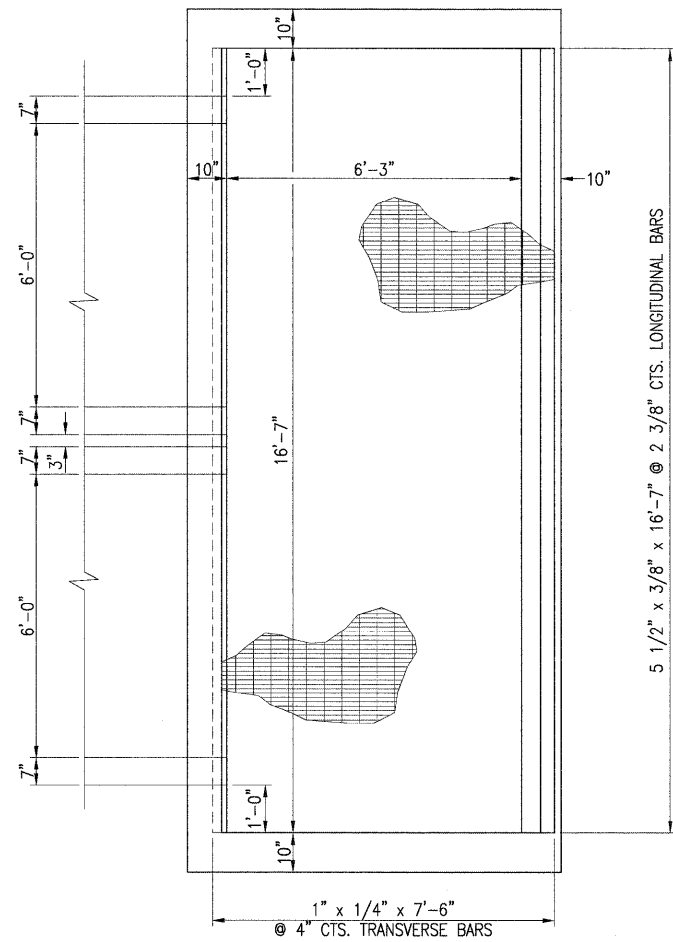


SECTION A-A

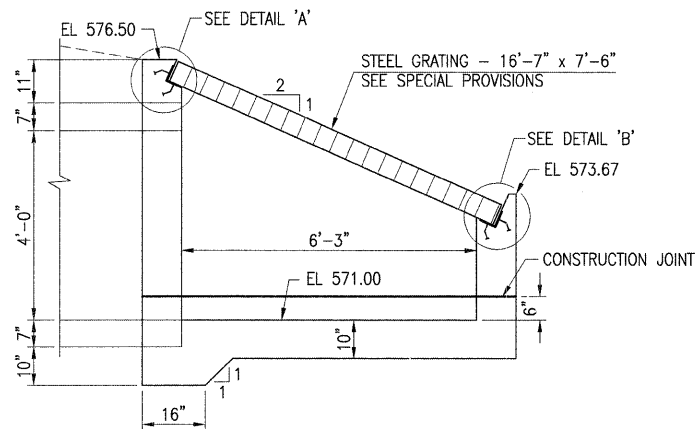
Min Bar Laps
#5 - 2'-2"

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	14
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

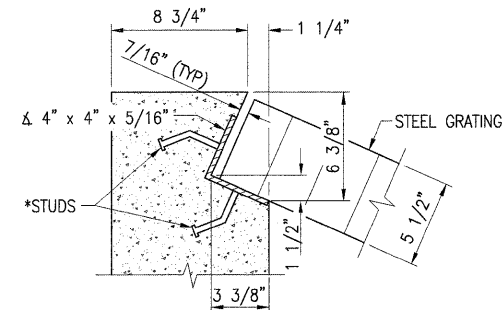


PLAN VIEW



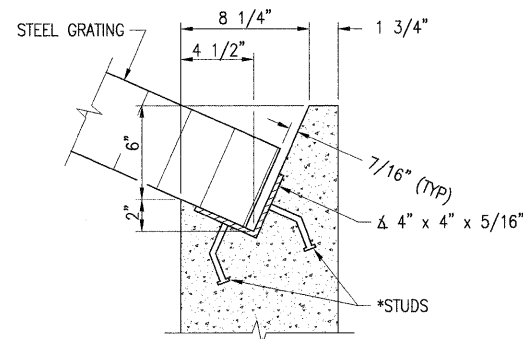
SECTION VIEW

NOTES:
 ALL STRUCTURAL STEEL AND STEEL GRATING SHALL BE GALVANIZED AFTER SHOP FABRICATION IN ACCORDANCE WITH ASTM DESIGNATION A-385 & AASHTO M-111 AND SHALL NOT BE PAINTED.
 ALL STRUCTURAL STEEL SHALL BE AASHTO M183.



DETAIL 'A'

* 3/4" ϕ x 4" GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ARTICLE 1006.32 OF THE STANDARD SPECS. AUTOMATICALLY END WELDED @ 12" ALT. CTS. (17 REQ'D PER ANGLE).



DETAIL 'B'

GENERAL NOTES

- STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS. GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH ARTICLE 1006.27 (b) OF THE STANDARD SPECIFICATIONS.
- BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 1006.27 (f) OF THE STANDARD SPECIFICATIONS. ALL FABRICATION SHALL BE COMPLETED AND READY FOR ASSEMBLY BEFORE GALVANIZED.
- THE STEEL GRATING AND ALL ASSOCIATED HARDWARE, AS SPECIFIED ON THIS SHEET, WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF "CONCRETE STRUCTURES" AND "REINFORCEMENT BARS."

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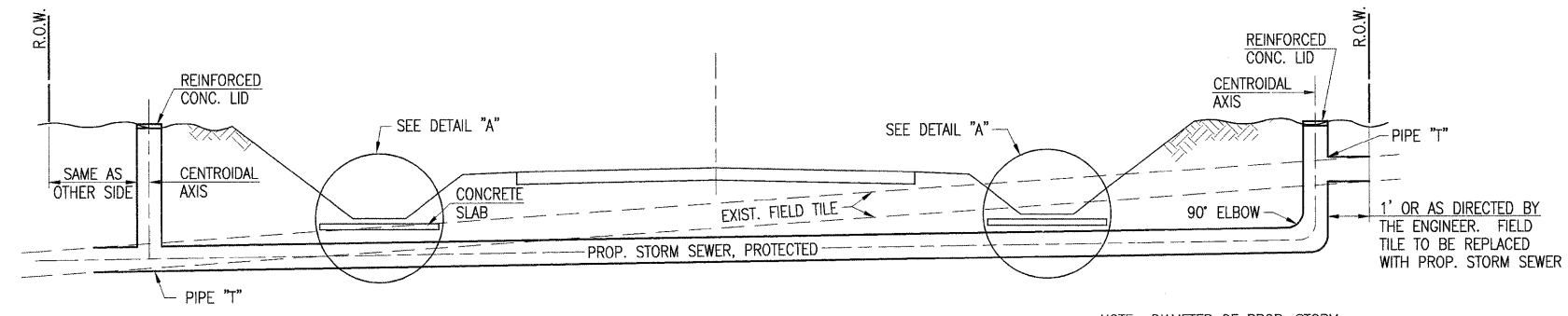
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GRATING DETAILS FOR DROP BOX
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE: PAGE 4 OF 5 STA. TO STA.



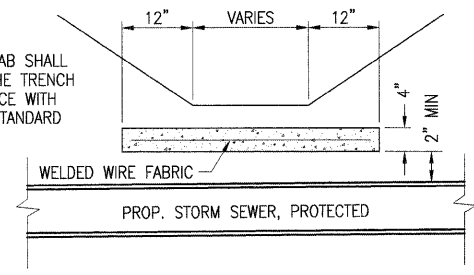
NOTE: DIAMETER OF PROP. STORM SEWER SHALL BE EQUAL TO OR GREATER THAN EXIST. FIELD TILE

STORM SEWER, PROTECTED

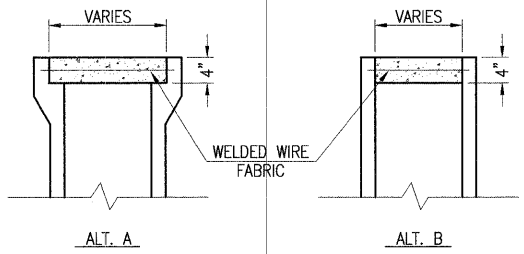
FIELD TILE ADJUSTMENT NOTES

1. LOCATION OF THE EXPLORATION TRENCH, 52" DEPTH SHALL BE AS DIRECTED BY THE ENGINEER TO LOCATE EXISTING FIELD TILE DRAINS.
2. WELDED WIRE FABRIC SHALL BE 6"x6" MESH, #4 GAUGE, 58 POUNDS PER 100 SQUARE FEET, CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A158. THE COST FOR FURNISHING AND PLACING THE WELDED WIRE FABRIC AND CONCRETE SLAB SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR STORM SEWER, PROTECTED.
3. THE RODENT BAR GUARDS SHALL BE INSTALLED WITH A HINGE AND BOLT THROUGH THE TOP OF THE PIPE AND POSITIONED WITHIN THE PIPE TO ALLOW THE BAR GUARD TO FULLY SWIVEL WITHOUT EXPOSING THE BARS BEYOND THE END OF THE PIPE. THE RODENT BAR GUARD SHALL MEET THE APPROVAL OF THE ENGINEER PRIOR TO PLACEMENT.
4. LOCATIONS OF ALL EXISTING FIELD TILES ARE UNKNOWN. THE KNOWN TILE LOCATIONS HAVE BEEN INDICATED ON THE PLANS. ANY ADDITIONAL FIELD TILE ENCOUNTERED DURING CONSTRUCTION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR FIELD TILE ADJUSTMENT. ALL FIELD TILE ADJUSTMENT SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. THE CONCRETE HEADWALL, EXCELSIOR BLANKET, RODENT BAR GUARD AND ADDITIONAL HARDWARE SHOWN SHALL BE INCLUDED IN THE COST FOR THIS WORK. ALL EXISTING FIELD TILE THAT WILL REMAIN AND BE ABANDONED SHALL BE BLOCKED WITH MASONRY OR CRUSHED AS DIRECTED BY THE ENGINEER OR REMOVED WHEN NECESSARY FOR CONSTRUCTION. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR FIELD TILE ADJUSTMENT. SEE SPECIAL PROVISIONS.
6. ANY EXISTING TILE THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
7. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE DEPTH OF COVER. THE 6", 8", 10" OR 12" STORM SEWER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR STORM SEWER SPECIAL OR STORM SEWER, PROTECTED REGARDLESS OF DEPTH. THE FOOT MEASUREMENT SHALL BE MADE ALONG THE CENTROIDAL AXIS AND THIS PRICE SHALL INCLUDE ALL BENDS, ELBOWS, OR PIPE "T" WHICH ARE REQUIRED.
8. REINFORCED CONCRETE LID SHALL BE MISCELLANEOUS CONCRETE OR PRECAST REINFORCED CONCRETE AND THE COST OF SUCH SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE FOR STORM SEWER, PROTECTED.
9. ALL EXISTING FIELD TILE THAT WILL BE ABANDONED SHALL BE BLOCKED WITH MASONRY OR CRUSHED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, OR REMOVED WHERE NECESSARY FOR OTHER CONSTRUCTION. THE COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF FIELD TILE ADJUSTMENT.
10. FIELD TILE JUNCTION VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS. EXCAVATION, BEDDING AND BACKFILL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE, PER EACH FOR FIELD TILE JUNCTION VAULTS, 2' DIA.

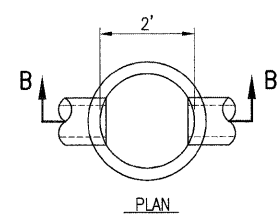
WIDTH OF CONC. SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SEC. 611 OF THE STANDARD SPECIFICATIONS



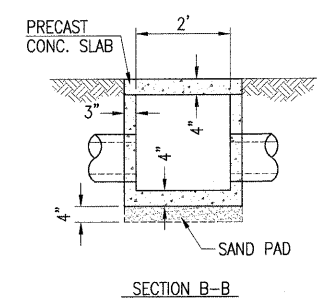
DETAIL "A"



REINFORCED CONCRETE LID DETAIL

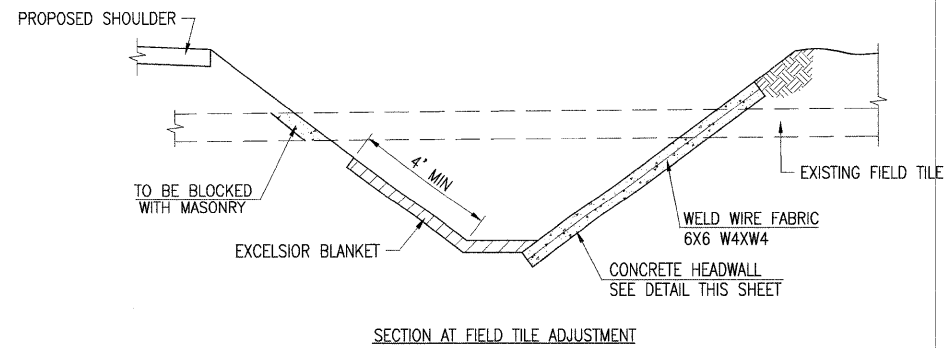


FIELD TILE JUNCTION VAULT DETAIL

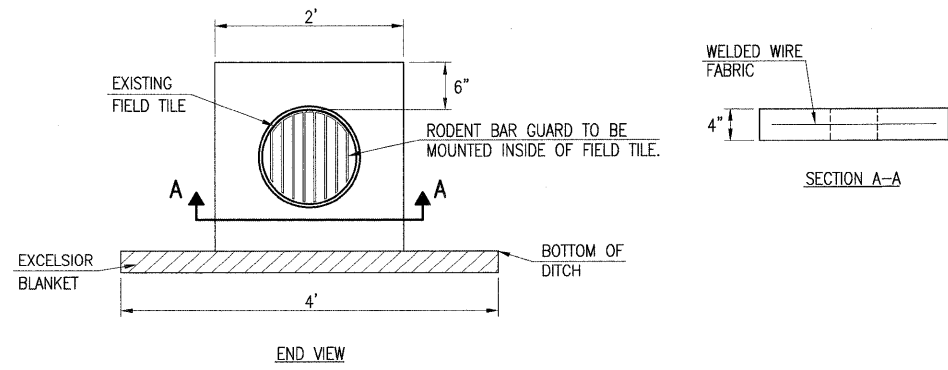


THE ENTIRE STRUCTURE INCLUDING LID AND SAND PAD SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT, 2' DIA.

DIMENSIONS WILL VARY TO MATCH NOMINAL SIZE OF PROPOSED STORM SEWER



SECTION AT FIELD TILE ADJUSTMENT



FIELD TILE CONCRETE HEADWALL DETAIL

FIELD TILE ADJUSTMENT DETAILS

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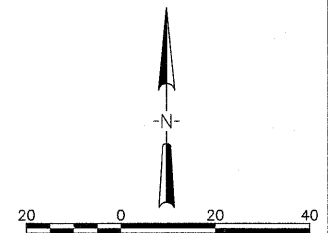
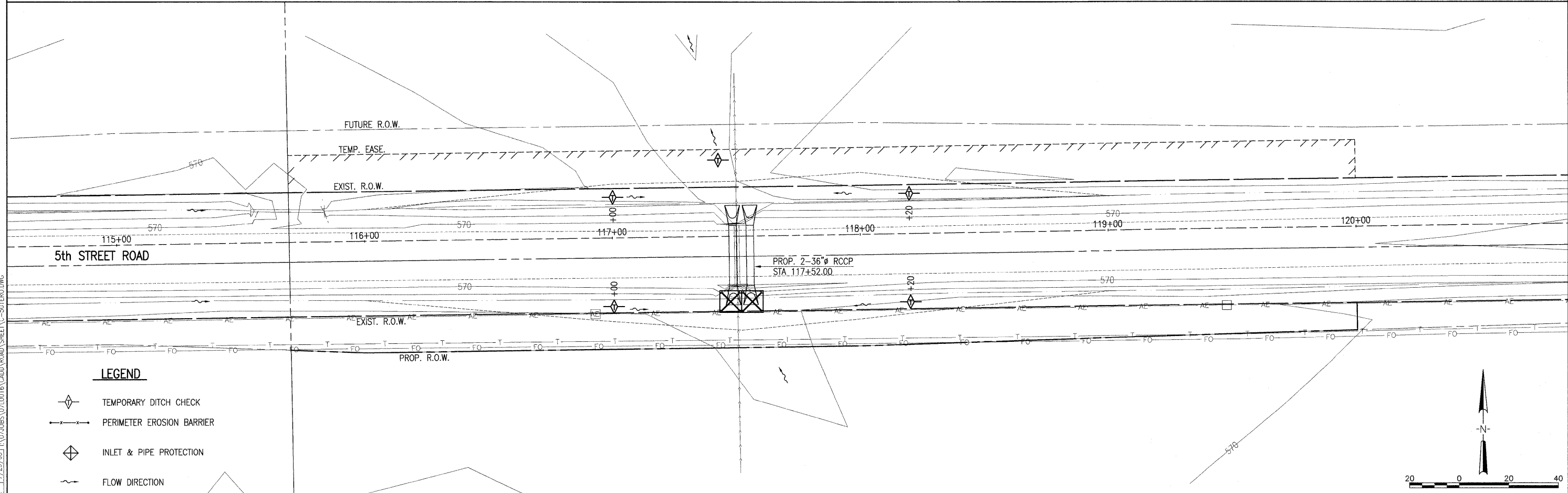
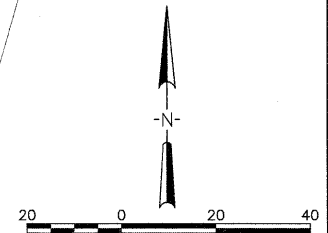
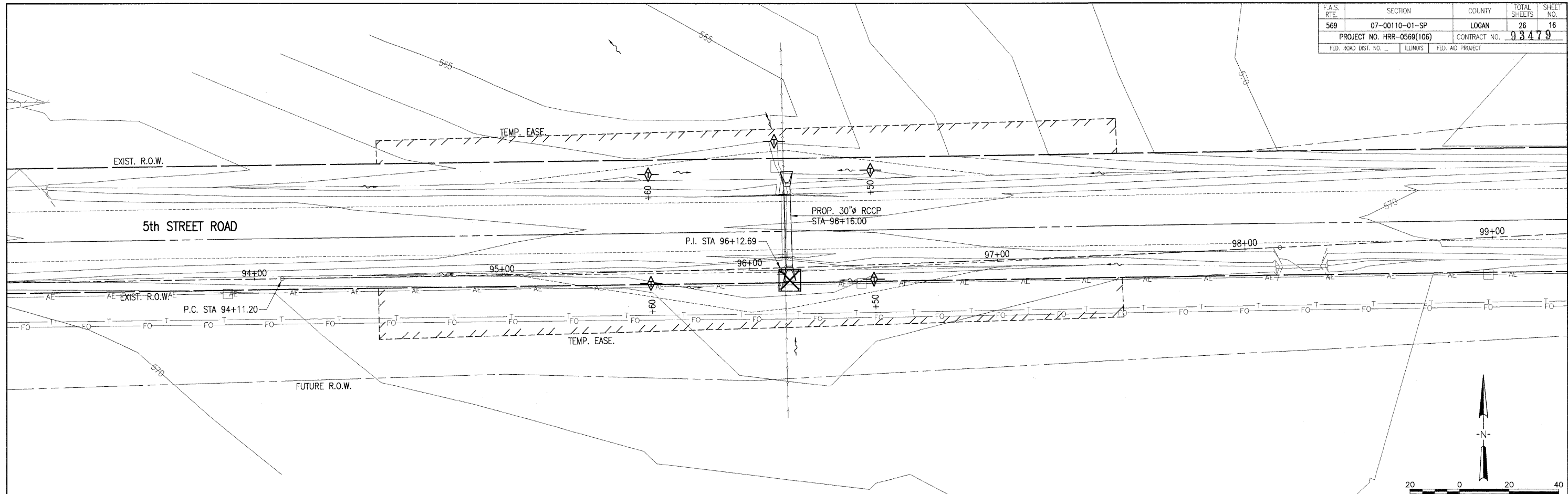
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION





FIELD TILE ADJUSTMENT DETAILS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE: PAGE 5 OF 5 STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	16
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  INLET & PIPE PROTECTION
-  FLOW DIRECTION

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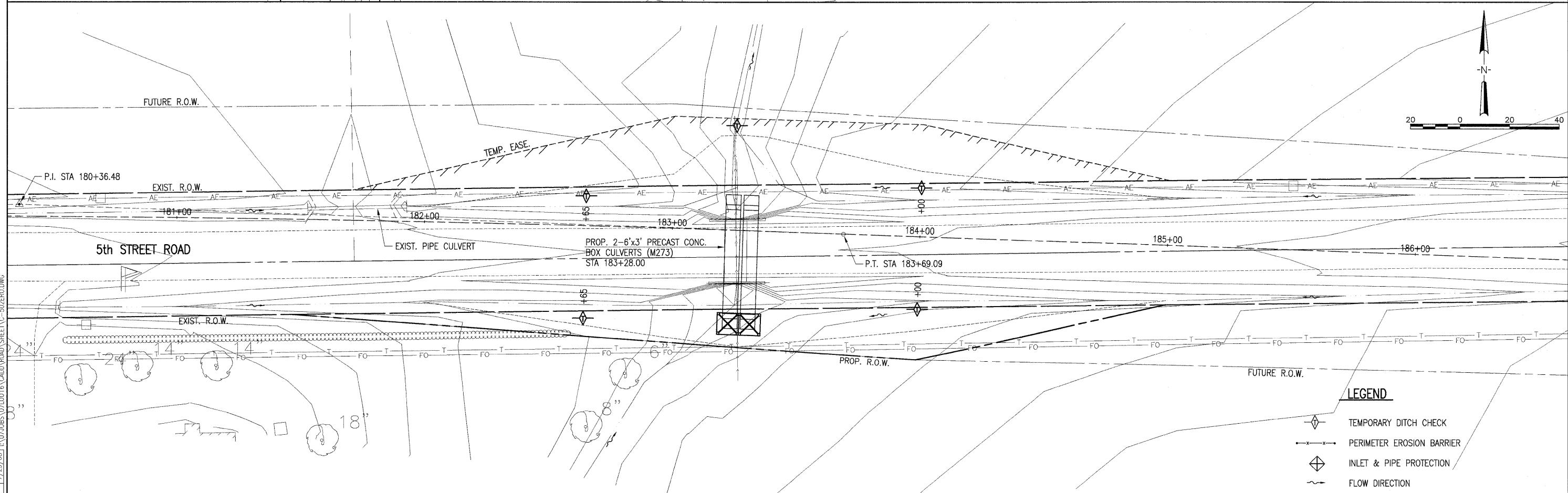
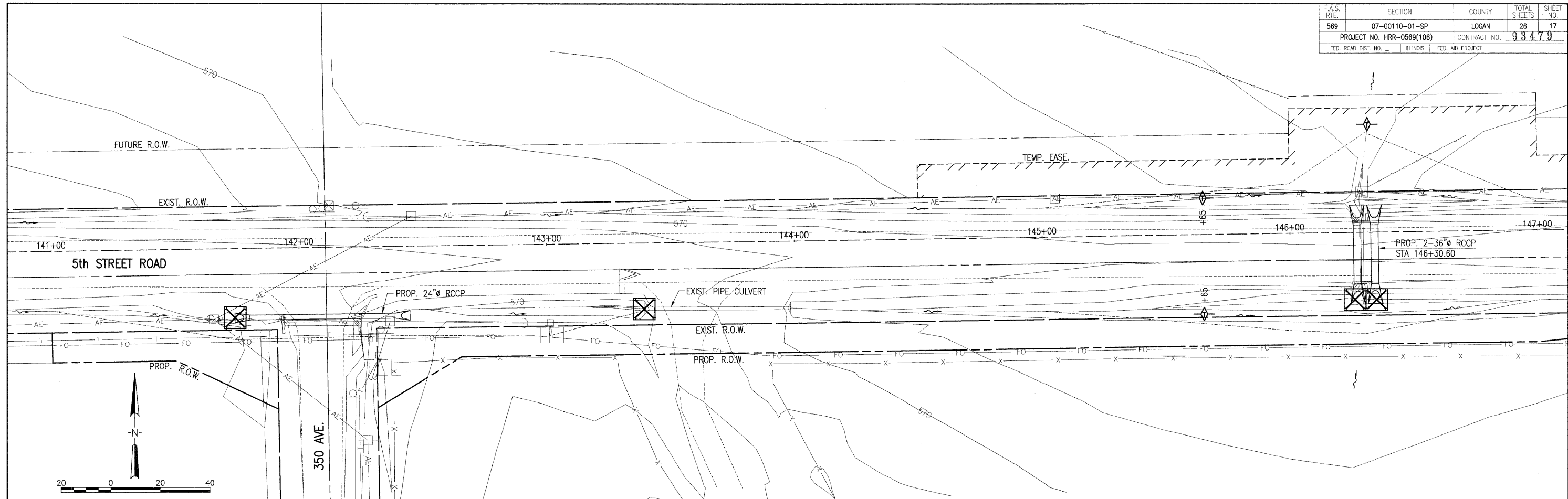
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
5th STREET ROAD
LOGAN COUNTY, ILLINOIS

SCALE: 1"=20' PAGE 1 OF 4 STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	17
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET & PIPE PROTECTION
- FLOW DIRECTION

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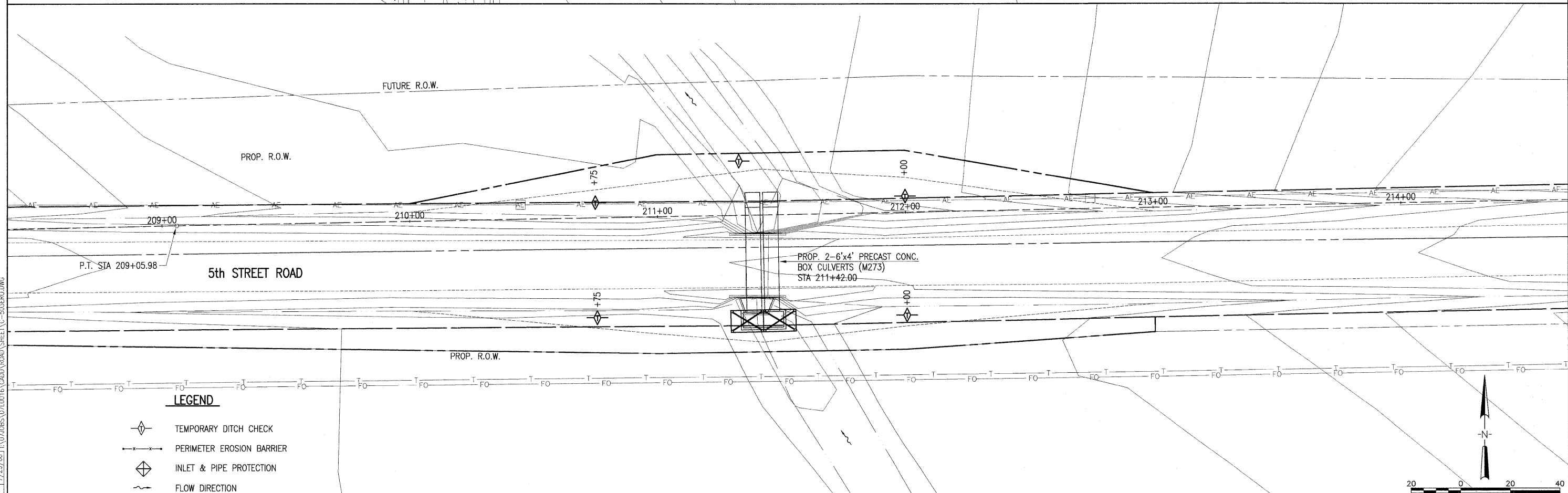
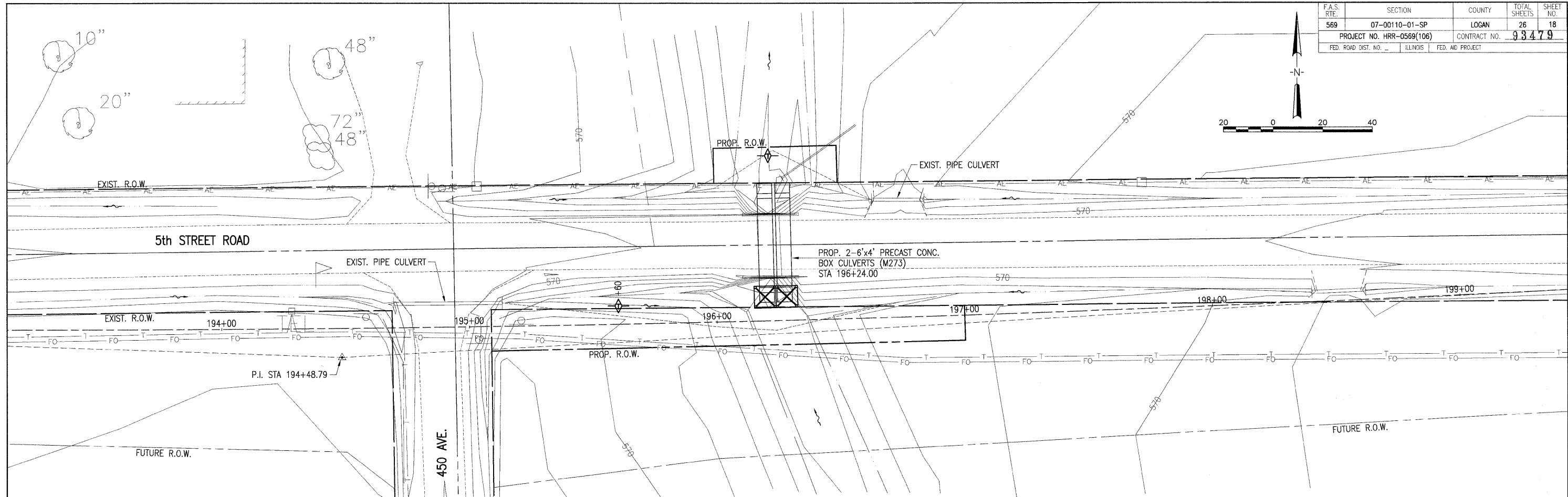
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DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
5th STREET ROAD
LOGAN COUNTY, ILLINOIS

SCALE: 1"=20' PAGE 2 OF 4 STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	18
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- LEGEND**
- TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - INLET & PIPE PROTECTION
 - FLOW DIRECTION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
5th STREET ROAD
LOGAN COUNTY, ILLINOIS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	19
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

EROSION CONTROL NOTES

THE FOLLOWING PLAN IS INCLUDED TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS.

PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION WORK ZONE, AS SOON AS POSSIBLE TO STABILIZE EXPOSED SOILS AND PREVENT ON-SITE DAMAGE. THIS WORK MAY BE CONSTRUCTED OF HAY OR STRAW BALES, SILT FILTER FENCE, SEEDING, MULCH, OR OTHER APPROPRIATE METHODS AND MATERIALS, SEPARATELY OR IN COMBINATION, AS APPROVED, BY THE ENGINEER.

EROSION CONTROL DEVICES SHALL BE IN PLACE AND APPROVED BY THE ENGINEER AS TO PROPER PLACEMENT AND INSTALLATION PRIOR TO BEGINNING OTHER WORK.

THE CONTRACTOR SHALL PLACE PERMANENT SEEDING WITHIN A REASONABLE AMOUNT OF TIME. THE RESIDENT ENGINEER WILL DETERMINE WHEN TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED.

THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001.

TEMPORARY EROSION CONTROL SYSTEMS ARE NOTED IN THE EROSION CONTROL PLANS. THE PLAN MAY INCLUDE THE FOLLOWING:

- TEMPORARY DITCH CHECKS - ROLLED EXCELSIOR OR STRAW BALES
- PERIMETER EROSION BARRIER INLET AND PIPE PROTECTION
- TEMPORARY SEEDING AND MULCHING
- PERIMETER EROSION BARRIER TO BE INSTALLED ALONG THE CONSTRUCTION LIMITS.

PRIOR TO CONSTRUCTION

PRIOR TO PERFORMING CONSTRUCTION ACTIVITIES RESULTING IN LAND DISTURBANCE, THE CONTRACTOR SHALL INSTALL ITEMS (IF SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER) INTENDED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THE ITEMS MAY INCLUDE THE FOLLOWING TEMPORARY EROSION CONTROL SYSTEMS.

- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

DURING CONSTRUCTION

DURING CONSTRUCTION, THE CONTRACTOR SHALL:

- CLEAN UP AND GRADE THE WORK AREA TO ELIMINATE CONCENTRATION OF RUNOFF.
- INSTALL TEMPORARY DITCH CHECKS AT LOCATIONS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- INSTALL INLET PROTECTION AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER FOR CULVERTS AND INLETS AS THEY ARE INSTALLED AND AS WORK PROCEEDS.
- COVER THE OPEN ENDS OF PIPES IN TRENCHES AT THE CLOSE OF EACH WORKING DAY.

MAINTAIN OR REPLACE (IF SPECIFIED BY THE RESIDENT ENGINEER) SEDIMENT CONTROL ITEMS.

THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE ENGINEER TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT. THIS WORK SHALL INCLUDE REPAIR OF THE VARIOUS SYSTEMS, REMOVAL OF TRAPPED SEDIMENT AND CLEANING OF ANY SILT FILTER FABRIC.

IF THE CONTRACTOR FAILS TO MAINTAIN THE TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER, THE ENGINEER MAY AT THE EXPIRATION OF A PERIOD OF 48 HOURS, AFTER HAVING GIVEN THE CONTRACTOR WRITTEN NOTICE, PROCEED TO MAINTAIN THE SYSTEMS AS DEEMED NECESSARY, AND THE COST THEREOF WILL BE DEDUCTED FROM ANY COMPENSATION DUE, OR WHICH MAY BECOME DUE TO THE CONTRACTOR UNDER THIS CONTRACT.

IF THE CONTRACTOR FAILS TO MAINTAIN THE TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER, THE ENGINEER MAY AT THE EXPIRATION OF A PERIOD OF 48 HOURS, AFTER HAVING GIVEN THE CONTRACTOR WRITTEN NOTICE, PROCEED TO MAINTAIN THE SYSTEMS AS DEEMED NECESSARY, AND THE COST THEREOF WILL BE DEDUCTED FROM ANY COMPENSATION DUE, OR WHICH MAY BECOME DUE TO THE CONTRACTOR UNDER THIS CONTRACT.

PRIOR TO LANDSCAPING/RESTORATION

IMMEDIATELY PRIOR TO LANDSCAPING/RESTORATION WORK, THE CONTRACTOR SHALL:

- REMOVE AND DISPOSE OF SILT RETAINED BY THE TEMPORARY DITCH CHECKS, REINSTALL TEMPORARY DITCH CHECKS AFTER CLEANING, AND REMOVE AND REPLACE PLUGGED HAY OR STRAW BALES.

FOLLOWING LANDSCAPING/RESTORATION

AFTER LANDSCAPING/RESTORATION WORK, THE CONTRACTOR SHALL:

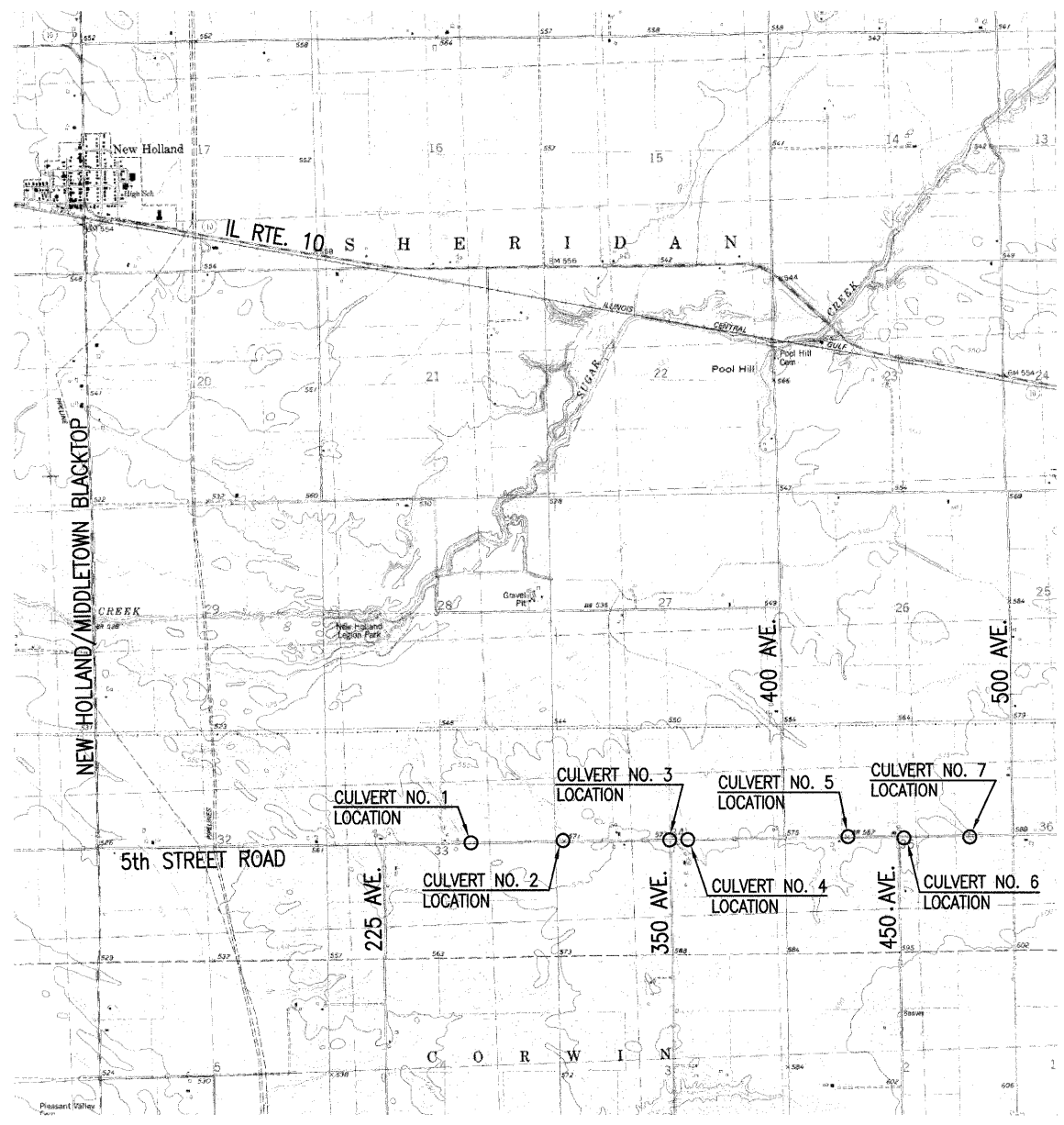
- MAINTAIN OR REPLACE (IF SPECIFIED BY THE RESIDENT ENGINEER) SEDIMENT CONTROL ITEMS.

VEGETATION ESTABLISHED

AFTER THE VEGETATION IS ESTABLISHED IN THE DISTURBED AREAS, THE CONTRACTOR SHALL:

REMOVE THE REMAINING SEDIMENT CONTROL ITEMS (SEDIMENT BARRIERS, INLET PROTECTION, AND OTHER REMAINING ITEMS).

RESTORE THE AREAS DISTURBED BY THE SEDIMENT CONTROL ITEMS BY PERMANENT SEEDING AND MULCHING.



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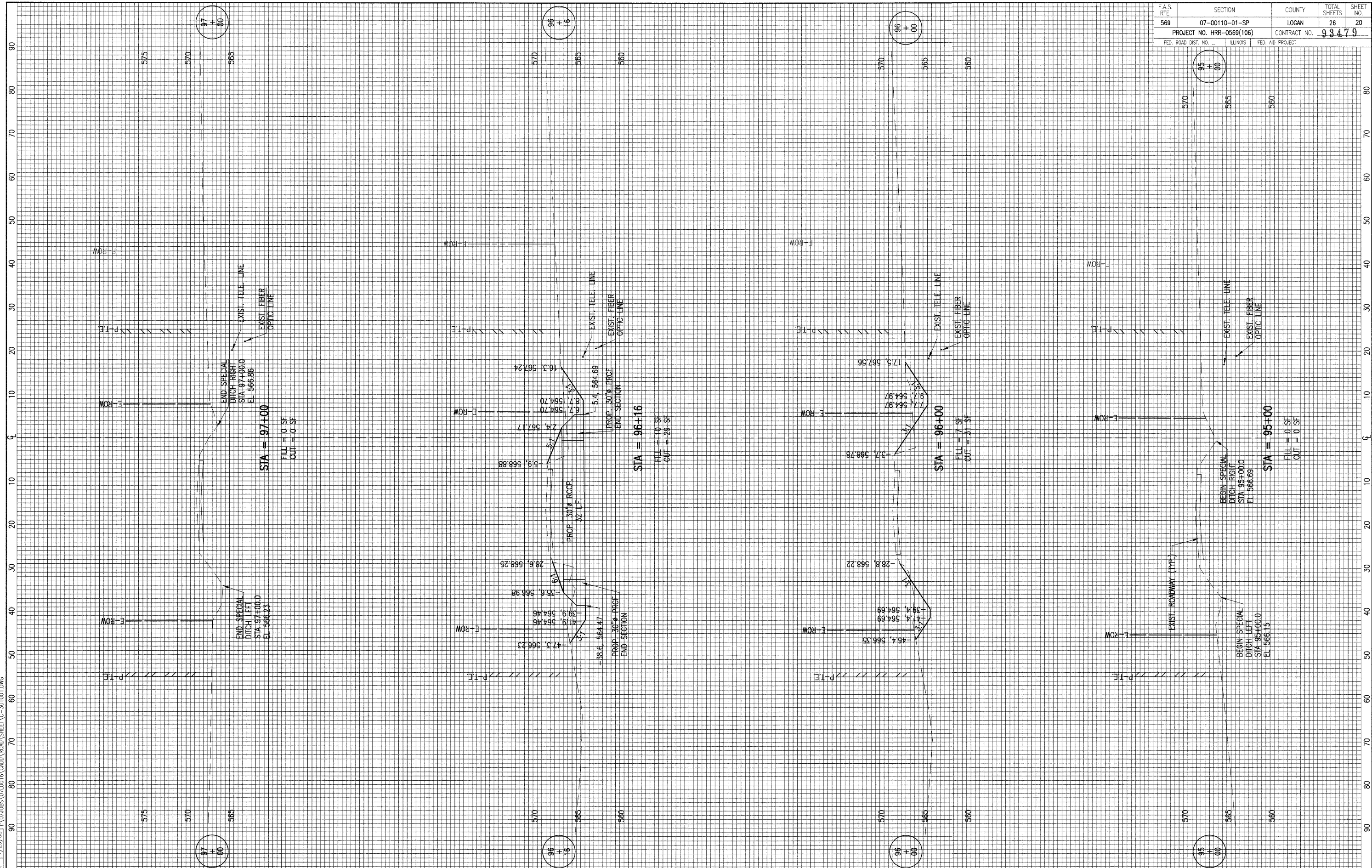


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DEPARTMENT OF TRANSPORTATION

EROSION CONTROL 5th STREET ROAD LOGAN COUNTY, ILLINOIS	
SCALE: 1"=20'	PAGE 4 OF 4
STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	20
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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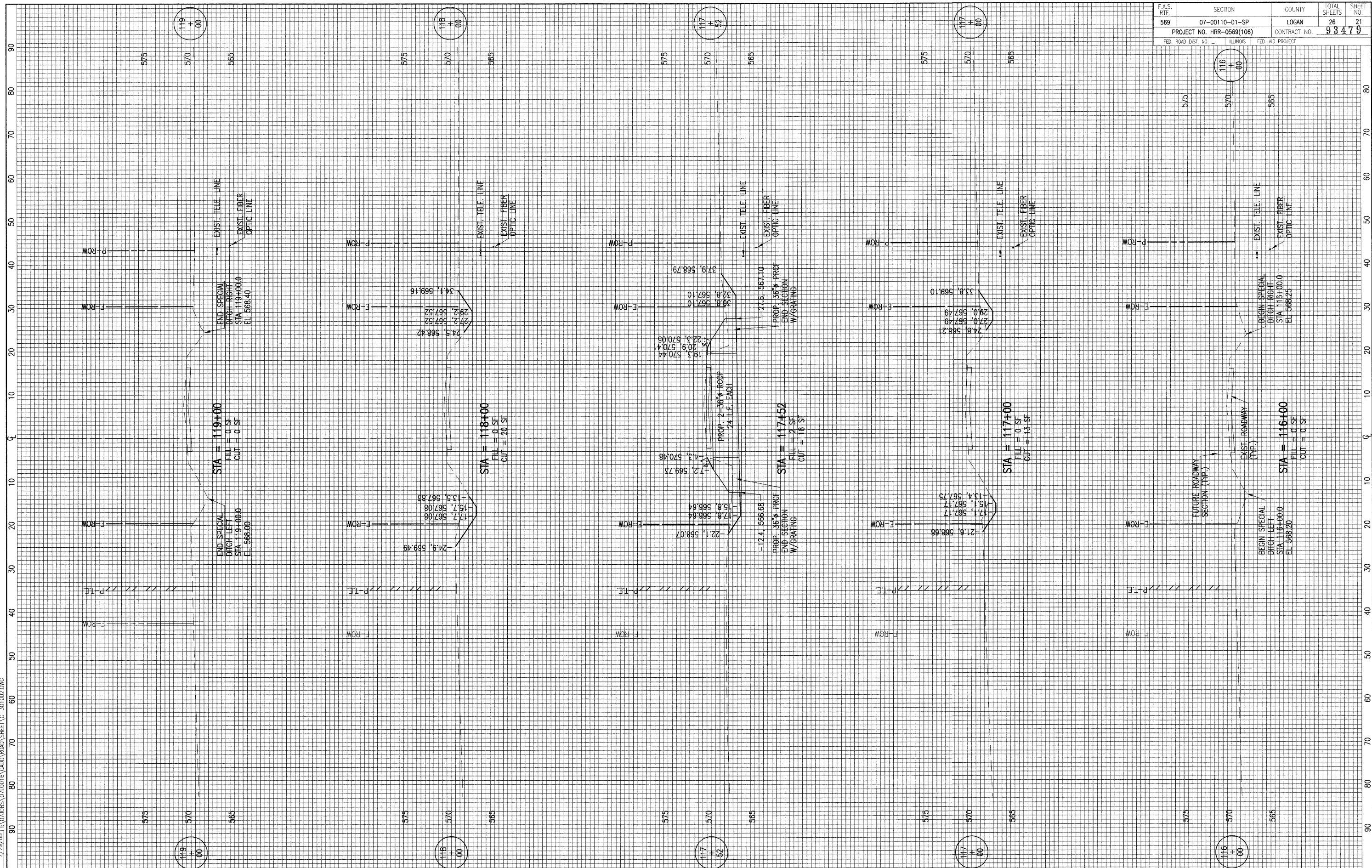
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 1 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS
 SCALE: 1"=10'H; 1"=5'V
 PAGE 1 OF 7
 STA. 95+00.00 TO STA. 97+00.00



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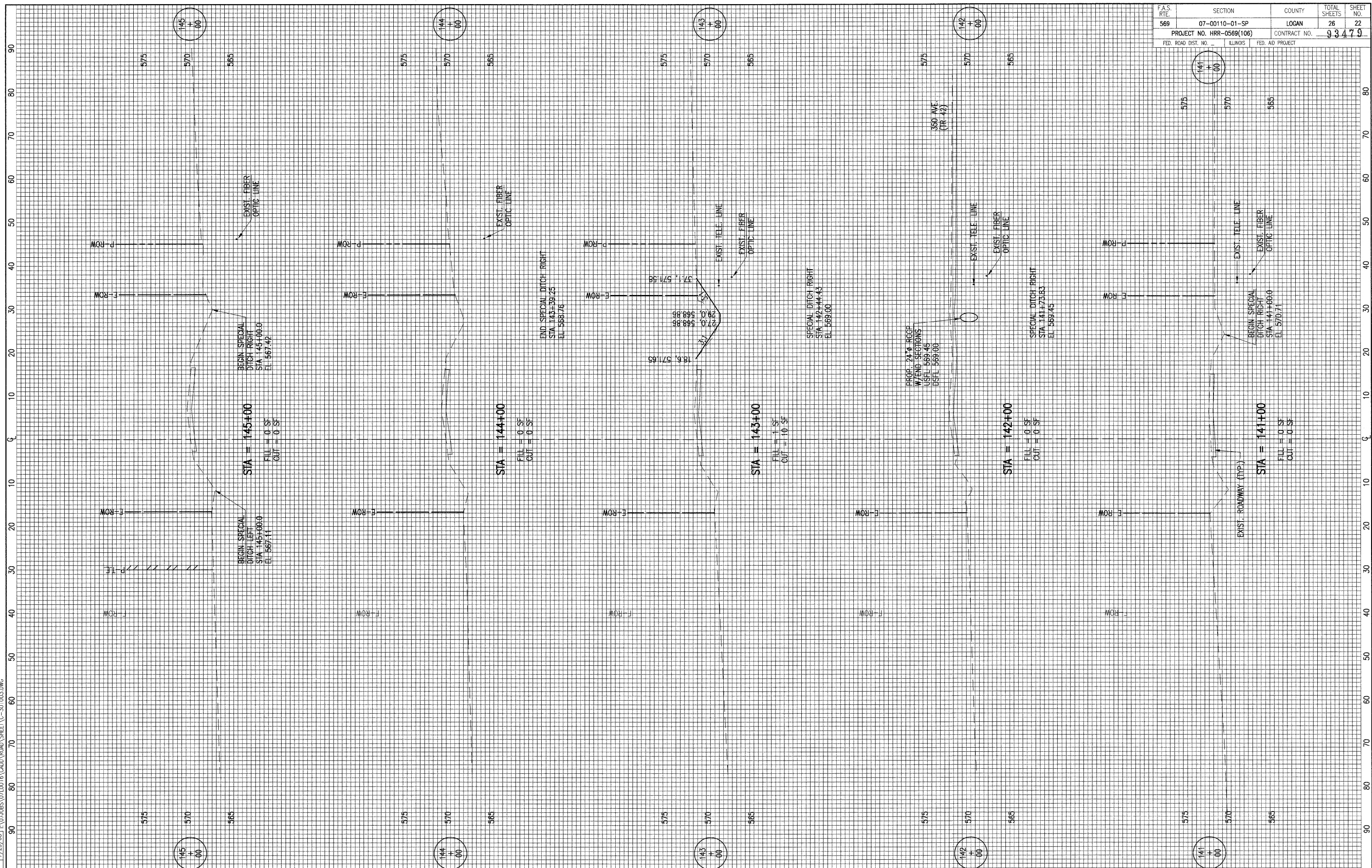


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 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 2 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE: 1"=10'H; 1"=5'V
 PAGE 2 OF 7
 STA. 116+00.00 TO STA. 119+00.00



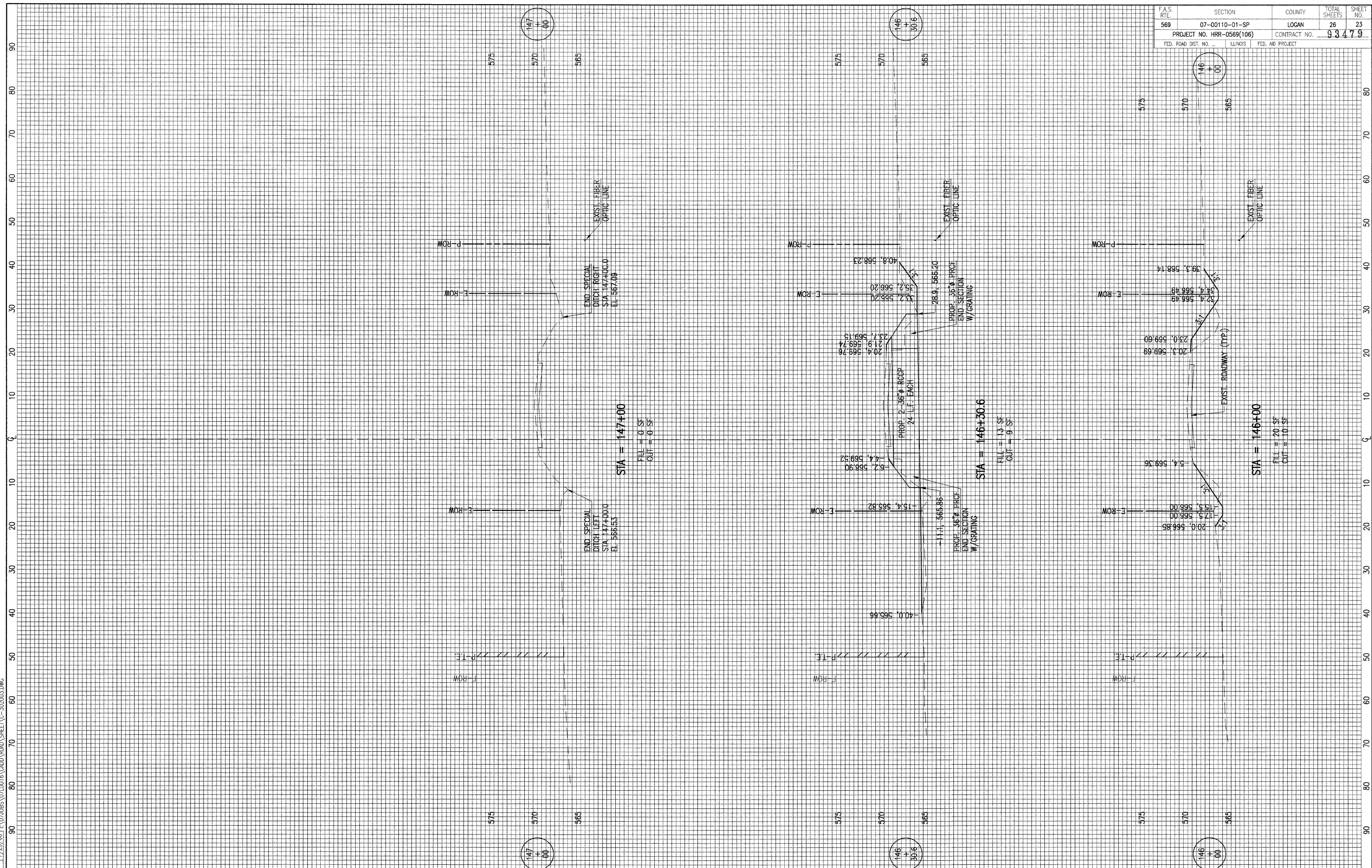
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 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 3 & CULVERT NO. 4 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS
 SCALE: 1"=10'H; 1"=5'V
 PAGE 3 OF 7
 STA. 141+00.00 TO STA. 145+00.00



LAYOUT B.B. 6/30/08
 DRAWN B.B. 7/30/08
 REVIEWED LDK 7/29/08

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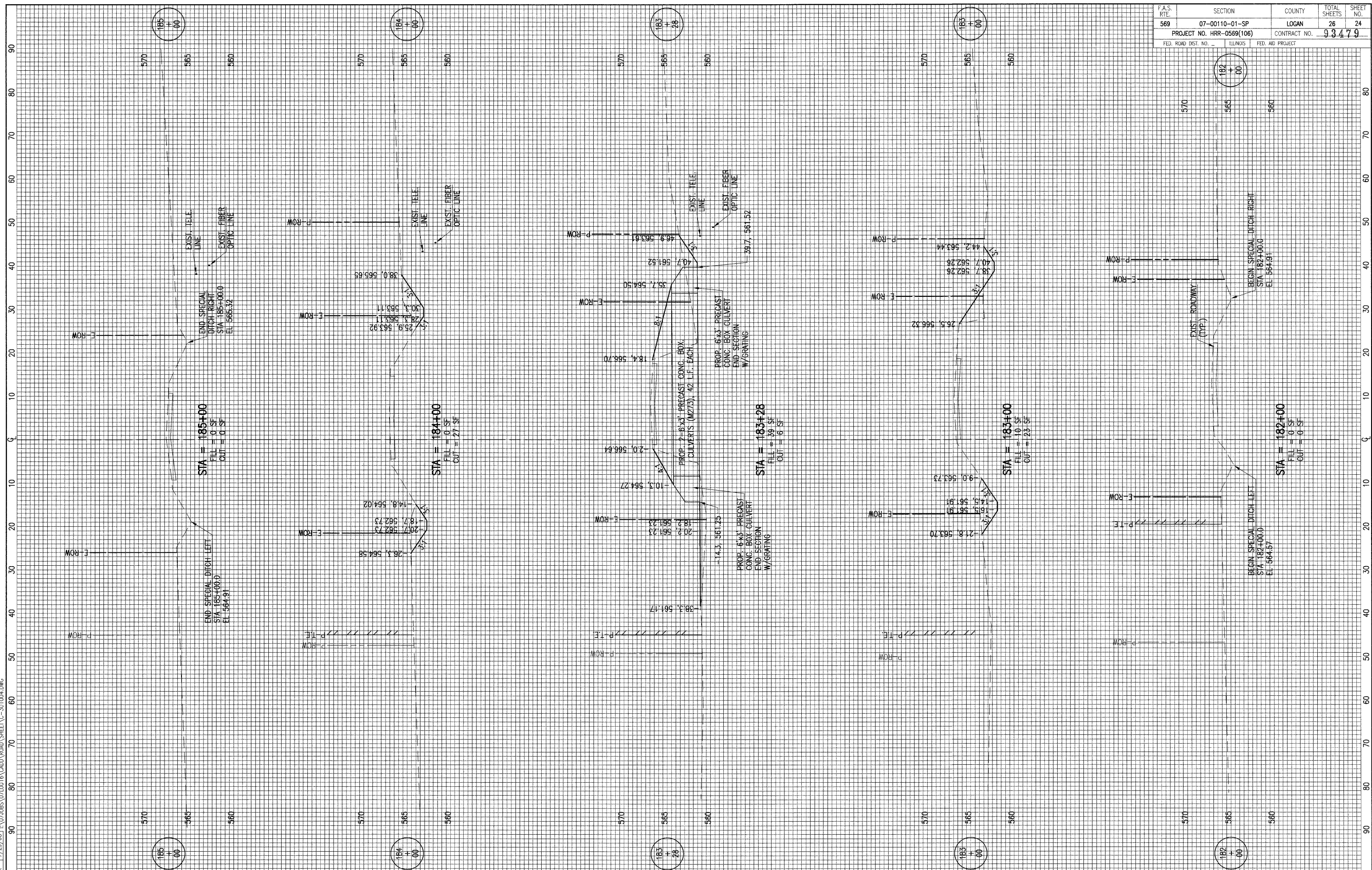
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DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	08-08-08	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 3 & CULVERT NO. 4 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS

SCALE: 1"=10'H; 1"=5'V PAGE 4 OF 7 STA. 146+00.00 TO STA. 147+00.00

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	24
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		



LAYOUT 6/30/08
 DRAWN 7/30/08
 REVIEWED LDK 7/29/08

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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 08-08-08	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 5 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS
 SCALE: 1"=10'H; 1"=5'V
 PAGE 5 OF 7
 STA. 182+00.00 TO STA. 185+00.00

LAYOUT
DRAWN
REVIEWED

BAB 6/30/08
BAB 7/30/08
LDK 7/29/08

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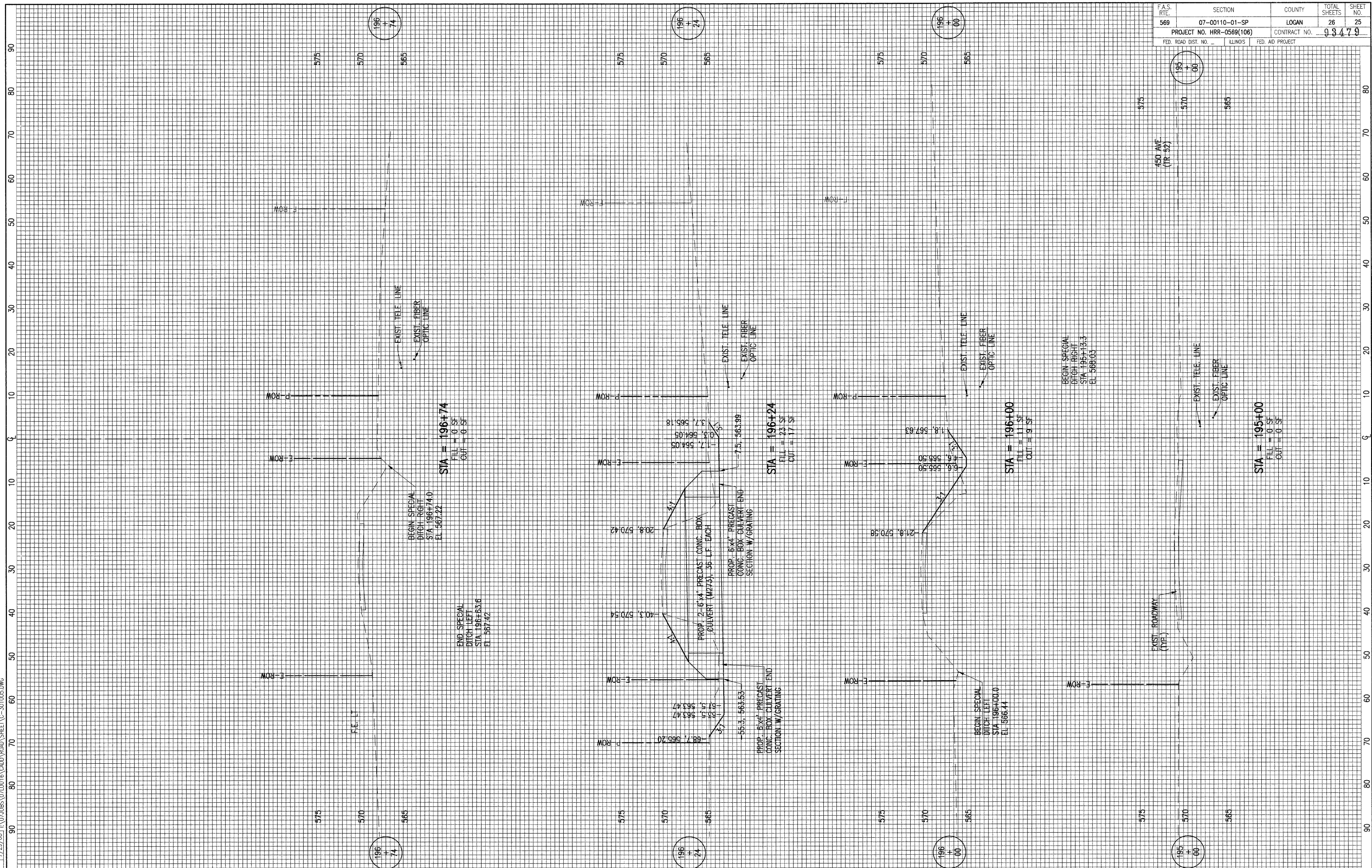
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CHECKED	-	REVISED	-
DATE	08-08-08	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT NO. 6 CROSS SECTIONS
5th STREET ROAD
LOGAN COUNTY, ILLINOIS

SCALE: 1"=10'H; 1"=5'V PAGE 6 OF 7 STA. 195+00.00 TO STA. 196+74.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
569	07-00110-01-SP	LOGAN	26	25
PROJECT NO. HRR-0569(106)		CONTRACT NO. 93479		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



450 AVE.
(TR 52)

BEGIN SPECIAL
DITCH RIGHT
STA 195+13.3
EL 568.03

EXIST. ROADWAY
(TYP.)

195
+
00

196
+
74

196
+
24

196
+
00

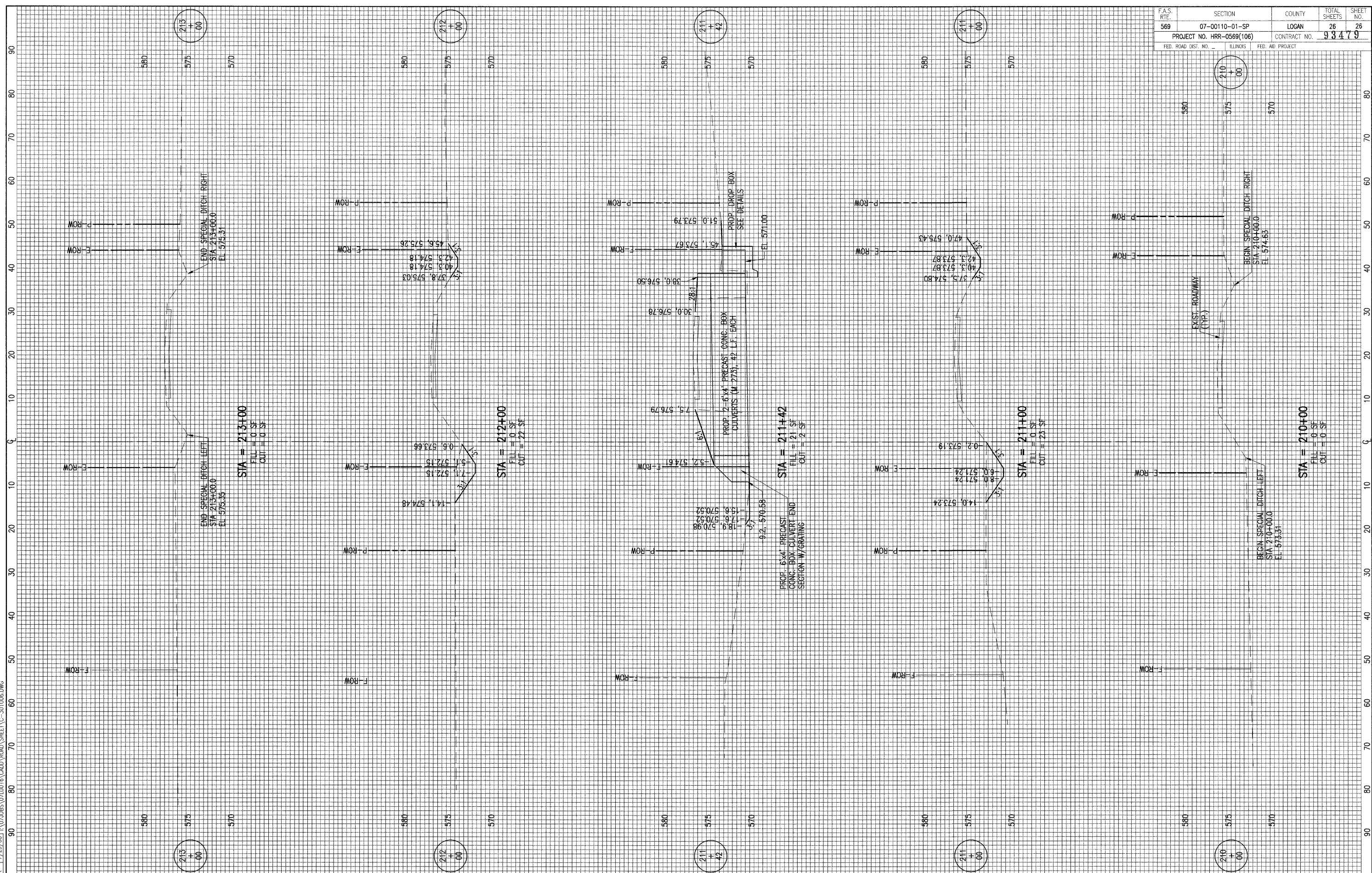
STA = 196+74
FILL = 0 SF
CUT = 0 SF

END SPECIAL
DITCH LEFT
STA 196+63.6
EL 567.42

STA = 196+24
FILL = 23 SF
CUT = 17 SF

STA = 196+00
FILL = 11 SF
CUT = 9 SF

STA = 195+00
FILL = 0 SF
CUT = 0 SF



LAYOUT 6/30/08
 DRAWN 7/30/08
 REVIEWED LDK 7/29/08

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DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	08-08-08	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT NO. 7 CROSS SECTIONS
 5th STREET ROAD
 LOGAN COUNTY, ILLINOIS
 SCALE: 1"=10'H; 1"=5'V
 PAGE 7 OF 7
 STA. 210+00.00 TO STA. 213+00.00