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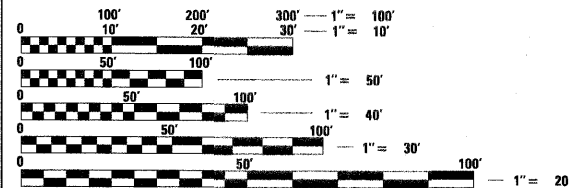
HIGHWAY STANDARDS

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
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540401-D4	PRECAST CONC. BOX CULVERTS, END SECTION, & DROP BOX END SECTION

UTILITIES

AMEREN CILCO (GAS & ELECTRIC)
110 W. MONARCH ST.
PEORIA, IL 61602
KENT KOWALSKIE 309-264-5575 (GAS)
TOM KOEPEL 309-693-4702 (ELECTRIC)

VERIZON WIRELESS (FIBER OPTIC)



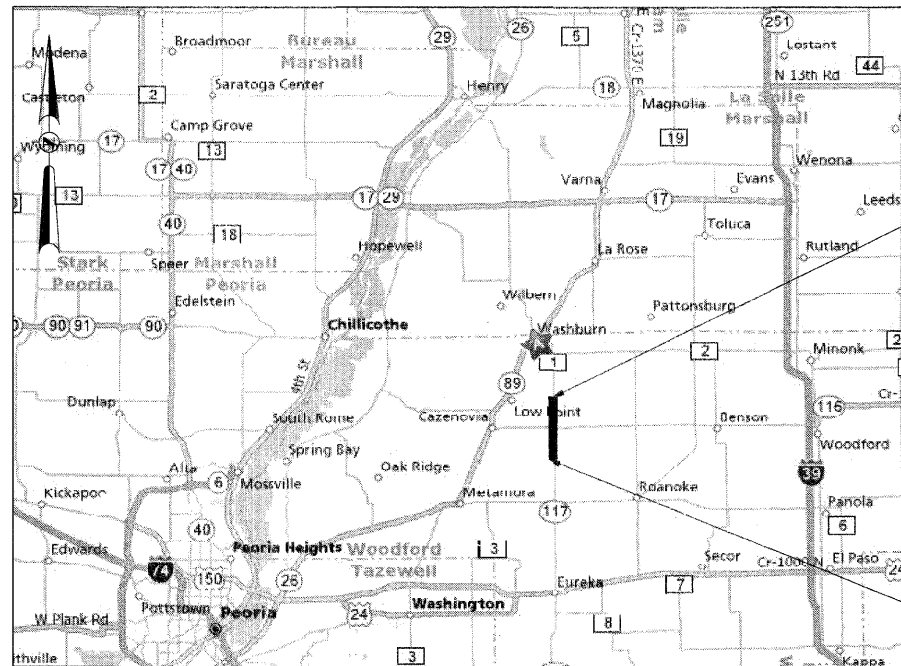
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 89477

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
LOCAL AGENCY IMPROVEMENT
FEDERAL-AID SECONDARY PROJECT

COUNTY HIGHWAY 1, F.A.S. ROUTE 358
SECTION: 86-00075-00-AS
PROJECT ARA-RS-0358 (102)
WOODFORD COUNTY
C-94-079-07



LOCATION MAP

(NOT TO SCALE)

LENGTH OF IMPROVEMENT = 11,980 FEET = 2.26 MILE
FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR
DESIGN SPEED: 50 MPH, POSTED SPEED: 55 MPH
CURRENT ADT: 850, SU: 7%, MU: 5%
DESIGN YEAR: 2023, ADT: 1350, DHV: 169, %TRUCKS: 12%

PROJECT LOCATION

WEST 1/2 SECTION 6, TOWNSHIP 27 NORTH, RANGE 1 WEST
EAST 1/2 SECTION 1, TOWNSHIP 27 NORTH, RANGE 2 WEST
WEST 1/2 SECTIONS 19, 30, 31, TOWNSHIP 28 NORTH, RANGE 1 WEST
EAST 1/2 SECTIONS 24, 25, 36, TOWNSHIP 28 NORTH, RANGE 2 WEST



APPROVED 4/08 20 09
Kevin Barkman
WOODFORD COUNTY ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PASSED 4/8 20 09
John J. Walsh
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS
APRIL 8 20 09
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
RELEASED FOR BID BASED ON LIMITED REVIEW

Alicia M. Hermann
ALICIA M. HERMANN
04/08/2009 DATE 11/30/2009 EXPIRES
ALICIA M.P. HERMANN
082-058326 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

HERMANN & ASSOCIATES, LLC
CONSULTING ENGINEERS
5835 NORTH GALENA ROAD
PEORIA, ILLINOIS 61614
PHONE: (309) 697-5566
FAX: (309) 697-0571
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.004714

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

TRANSPORTATION • MUNICIPAL ENGINEERING • LAND DEVELOPMENT
ASBESTOS INSPECTION • CONSTRUCTION OBSERVATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	2
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," - HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS," "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON A LOCALLY ESTABLISHED DATUM. SEE THIS SHEET FOR LIST OF BENCHMARKS AND HORIZONTAL CONTROL POINTS. THE CONTRACTOR SHALL VERIFY ALL BENCHMARKS AND HORIZONTAL CONTROL POINTS FOR ACCURACY PRIOR TO STARTING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.34 OF THE "STANDARD SPECIFICATIONS." CALL J.U.L.I.E. AT 1-800-892-0123 A MINIMUM OF 48 HOURS IN ADVANCE OF DIGGING OPERATIONS. THE CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITY COMPANY.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THE PLANS, ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INVESTIGATION, AS REQUIRED FOR CONSTRUCTION.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTION OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.
- PLAN DISTANCES FOR PIPING ARE GIVEN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- THE CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO REMOVING OR COVERING UP ANY SURVEY MONUMENTS OR PROPERTY MARKERS.
- THE CONTRACTOR SHALL CONFINE THE CONSTRUCTION WITHIN THE RIGHT OF WAY OR TEMPORARY CONSTRUCTION EASEMENT.
- EROSION CONTROL SHALL BE PROVIDED FOR ANY DISTURBED AREA PER THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AS PUBLISHED BY THE ILLINOIS NATURAL RESOURCES CONSERVATION SERVICES.
- CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS SO AS TO PREVENT DAMAGE FROM OCCURRING TO ALL EXISTING BUILDINGS, STRUCTURES, PUBLIC, AND PRIVATE PROPERTY AS A RESULT OF CONSTRUCTION.
- SIGNS, MAILBOXES, FENCE, FENCE RAILS, POSTS, LANDSCAPING ITEMS NOT IDENTIFIED ON THE BID SCHEDULE WHICH ARE DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AND CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STANDARD SPECIFICATIONS, MUTCD, AND ANY REQUIREMENTS DETAILED IN THE CONTRACT DOCUMENTS. TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL COMPLETE.
- ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION IN ACCORDANCE WITH ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT TERM CLOSURES.
- THE CONTRACTOR SHALL COMPLY WITH THE LEGAL STREET LOADING LIMITS ESTABLISHED BY THE COUNTY & LOCAL MUNICIPALITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY LUGS OR CLEATS ON TREADS OR WHEELS, EXCESSIVE WEIGHTS, AND LOADS, ETC.
- THE TOP FOUR INCHES OF ALL DISTURBED AREAS TO BE SEEDED SHALL MEET THE REQUIREMENTS OF ARTICLE 1081.05(G) OF THE IDOT STANDARD SPECIFICATION FOR TOPSOIL.
- PROFILE AND GRADING ELEVATIONS ARE TO THE TOP OF THE FINISHED HOT-MIX ASPHALT SURFACE

COUNTY HIGHWAY #1			
BENCHMARKS			
POINT	STA/OFF	DESCRIPTION	ELEV.
1		Chisld square in median island at intrs of C.H. #1 and IL 116	747.04
2	Sta 19+95 LT	set RR spike in power pole	752.63
3	Sta 29+15 LT	set RR spike in power pole	772.27
4	Sta 38+35 LT	Existing spike in power pole	779.01
5	Sta 51+30 LT	Existing spike in power pole	792.26
6	Sta 61+35 LT	Galvanized pipe in E. side of Tower maint. Bldg.	817.95
7	Sta 71+05 LT	set RR spike in power pole	811.45
8	Sta 80+00 LT	set RR spike in power pole	789.37
9	Sta 89+00 LT	set RR spike in power pole	791.50
10	Sta 101+00 LT	set RR spike in power pole	809.22
11	Sta 110+00 LT	set RR spike in power pole	808.59
12	Sta 119+10 LT	set RR spike in power pole	801.30
13	Sta 131+50 LT	set RR spike in power pole	791.51
14	Sta 140+65 LT	set RR spike in power pole	788.15
15	Sta 149+95 LT	set RR spike in power pole	802.23
16	Sta 159+10 LT	set RR spike in power pole	790.84
17	Sta 171+40 LT	Existing RR spike in power pole	782.15
18	Sta 180+50 LT	set RR spike in power pole	779.31
19	Sta 189+75 LT	set RR spike in power pole	773.59
20	Sta 198+70 LT	set RR spike in power pole	764.91
21	Sta 210+65 LT	set RR spike in power pole	768.47
22	Sta 219+75 LT	set RR spike in power pole	760.42
23	Sta 228+90 LT	set RR spike in power pole	752.45
24	Sta 241+30 LT	set RR spike in power pole	755.37
25	Sta 250+50 LT	set RR spike in power pole	743.65
26	Sta 259+80 LT	set RR spike in power pole	752.20
27	Sta 269+00 LT	set RR spike in power pole	741.14
28	Sta 278+30 LT	set RR spike in power pole	737.06
29	Sta 290+65 LT	set RR spike in power pole	741.53
30	Sta 300+00 LT	set RR spike in power pole	742.76
31	Sta 309+05 LT	set RR spike in power pole	731.01
32	Sta 321+40 LT	set RR spike in power pole	728.50
33	Sta 330+35 LT	set RR spike in power pole	729.33
34	Sta 339+40 LT	set RR spike in power pole	737.19
35	Sta 348+45 LT	set RR spike in power pole	739.55
36	Sta 360+60 LT	set RR spike in power pole	737.34
37	Sta 372+70 LT	set RR spike in power pole	735.72
38	Sta 378+75 LT	set RR spike in power pole	739.22
39	Sta 390+80 LT	set RR spike in power pole	720.23
40	Sta 399+95 LT	set RR spike in power pole	720.46
41	Sta 409+00 LT	set RR spike in power pole	728.56
42	Sta 421+00 LT	set RR spike in power pole	714.61
43	Sta 430+00 LT	set RR spike in power pole	687.73
44	Sta 438+00 RT	set RR spike in power pole	710.51
45	Sta 446+60 RT	set RR spike in power pole	704.52
46	Sta 461+10 RT	set RR spike in power pole	696.21
47	Sta 469+90 RT	set RR spike in power pole	708.32
48	Sta 481+55 RT	set RR spike in power pole	706.16
49	Sta 36+00 SO	set RR spike in power pole	718.76
50	Sta 24+05 SO	set RR spike in power pole	711.66
51	Sta 14+40 SO	set RR spike in power pole	704.86

PLAN LEGEND			
CULTIVATION LINE		EXISTING SIGN	
VERIZON FIBER OPTIC		EXISTING MAILBOX	
OVERHEAD ELECTRIC		EXISTING UTILITY POLE	
CONSTRUCTION LIMITS		EXISTING CULVERT	
EXISTING R.O.W.		EXISTING TREE	
PROPOSED R.O.W.		PROPOSED AGG. DITCH CHECK	
PROPOSED DITCH FLOWLINE		PROPOSED TEMP. DITCH CHECK	
PROPOSED PERIMETER		PROPOSED INLET/PIPE PROTECTION	
EROSION BARRIER			
		PROPOSED AGG. SURFACE COURSE	
		PROPOSED STONE RIPRAP, CLASS A4	
		PROPOSED ARTICULATED BLOCK REVETMENT MAT	
		PROPOSED HEAVY DUTY EROSION CONTROL BLANKET	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES,
BENCHMARK ELEVATIONS,
PLAN LEGEND**

DESIGNED BY: AMPH & KLM
DATE: APRIL 2009

DRAWN BY: AMPH & KLM
CHECKED BY: JLH & RAH

PLT DATE = #DAYS
FILE NAME = #FILE#
PLT SCALE = #SCALE#
USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	3
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES			
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	49
20200100	EARTH EXCAVATION	CU YD	19770
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	586
20400800	FURNISHED EXCAVATION	CU YD	4328
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	576
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	691
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	500
25000100	SEEDING, CLASS 1	ACRE	1.1
25000200	SEEDING, CLASS 2	ACRE	15.8
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1525
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1525
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1525
25100115	MULCH, METHOD 2	ACRE	17
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	2119
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5085
28000300	TEMPORARY DITCH CHECKS	EACH	120
28000310	AGGREGATE DITCH CHECKS	EACH	13
28000400	PERIMETER EROSION BARRIER	FOOT	11178
28000500	INLET AND PIPE PROTECTION	EACH	21
28100107	STONE RIPRAP, CLASS A4	SQ YD	3145
28200200	FILTER FABRIC	SQ YD	3145
28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	96
35101400	AGGREGATE BASE COURSE, TYPE B	TON	25606
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	798
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	821
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
50105200	REMOVE EXISTING CULVERTS	EACH	24
50800105	REINFORCEMENT BARS	POUND	95490
51500100	NAME PLATES	EACH	2
54001000	BOX CULVERT END SECTIONS	EACH	11
54003000	CONCRETE BOX CULVERTS	CU YD	455.5
54020302	PRECAST CONCRETE BOX CULVERT 3' X 2' (M273)	FOOT	64

SUMMARY OF QUANTITIES			
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
54020502	PRECAST CONCRETE BOX CULVERT 5' X 2' (M273)	FOOT	54
54020503	PRECAST CONCRETE BOX CULVERT 5' X 3' (M273)	FOOT	68
54020602	PRECAST CONCRETE BOX CULVERT 6' X 2' (M273)	FOOT	67
54020603	PRECAST CONCRETE BOX CULVERT 6' X 3' (M273)	FOOT	64
54020902	PRECAST CONCRETE BOX CULVERT 9' X 2' (M273)	FOOT	64
54205893	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL, EQUIVALENT ROUND-SIZE 18"	FOOT	144
54213879	STEEL END SECTIONS 24"	EACH	3
54213885	STEEL END SECTIONS 30"	EACH	2
54213891	STEEL END SECTIONS 36"	EACH	2
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	100
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	220
542A1066	PIPE CULVERTS, CLASS A, TYPE 2 21"	FOOT	198
542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	422
542C0223	PIPE CULVERTS, CLASS C, TYPE 1 18"	FOOT	537
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	64
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	64
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	66
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	80
60220230	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1
60222900	MANHOLES, TYPE A, 5'-DIAMETER	EACH	1
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	2
61139900	STORM SEWERS, SPECIAL 6"	FOOT	300
61140000	STORM SEWERS, SPECIAL 8"	FOOT	300
61140100	STORM SEWERS, SPECIAL 10"	FOOT	300
61140200	STORM SEWERS, SPECIAL 12"	FOOT	300
61140400	STORM SEWERS, SPECIAL 15"	FOOT	300
61140600	STORM SEWERS, SPECIAL 18"	FOOT	300
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
X6029000	JUNCTION BOX	L SUM	1
Z0064000	SCARIFYING AND REGRADING EXISTING ASPHALT SURFACE	SQ YD	1511
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

PLOT DATE = 04/09/09
 FILE NAME = 89477.DWG
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = RAH

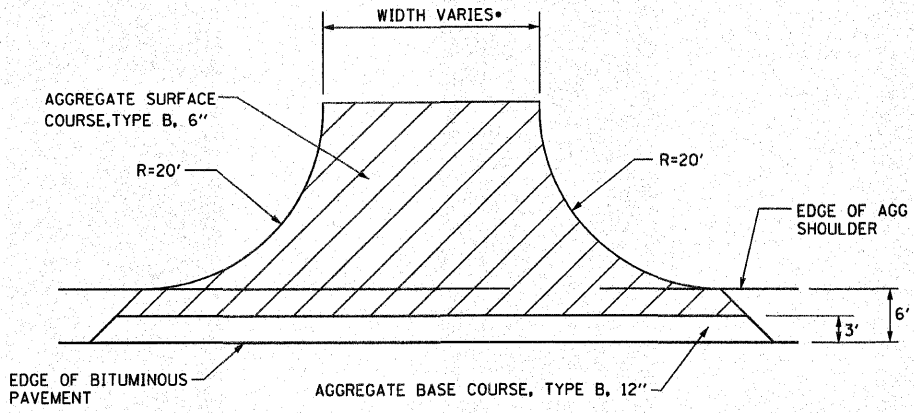
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

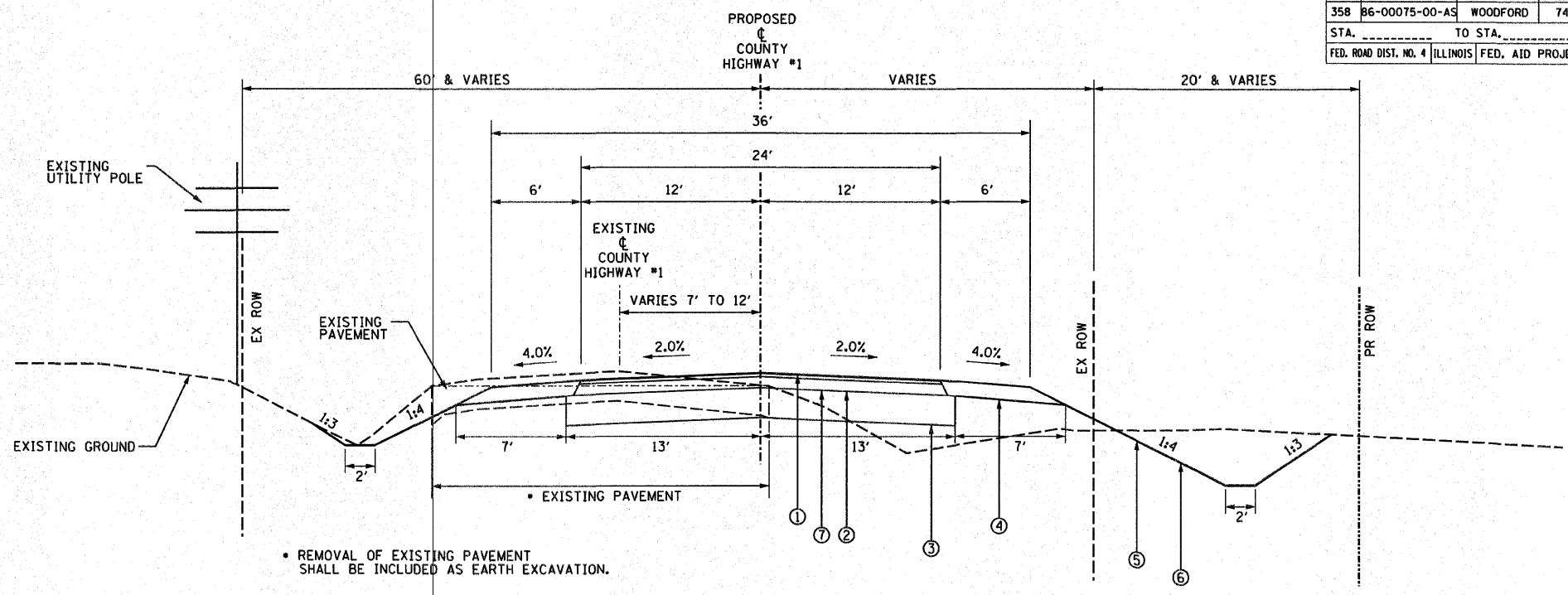
DESIGNED BY: AMPH & KLM DRAWN BY: AMPH & KLM
 DATE: APRIL 2009 CHECKED BY: JLH & RAH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	4
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



• PRIVATE ENTRANCE WIDTHS VARY 20' AND 24'
FIELD ENTRANCE WIDTHS VARY 30', 35', AND 60'

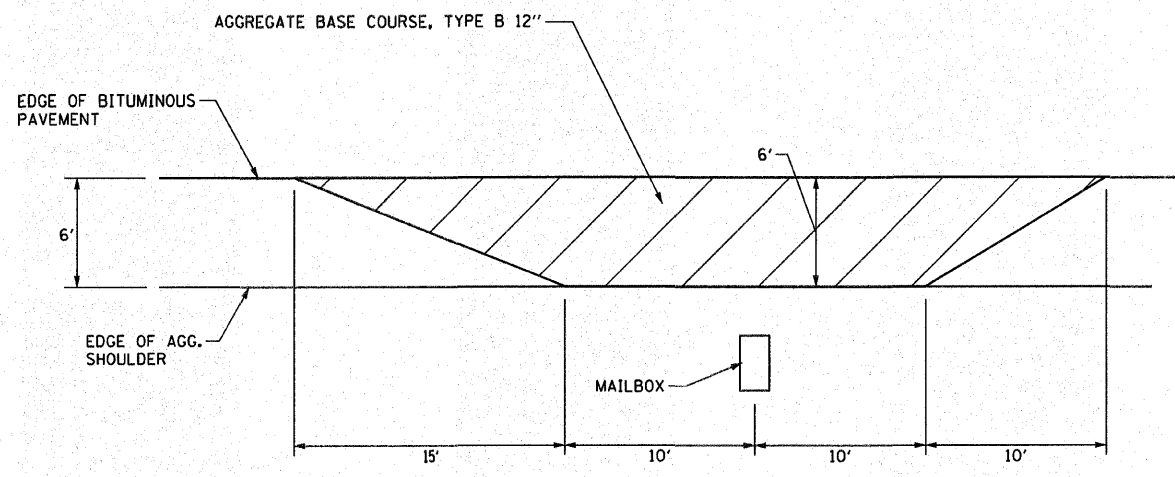
DRIVEWAY DETAIL



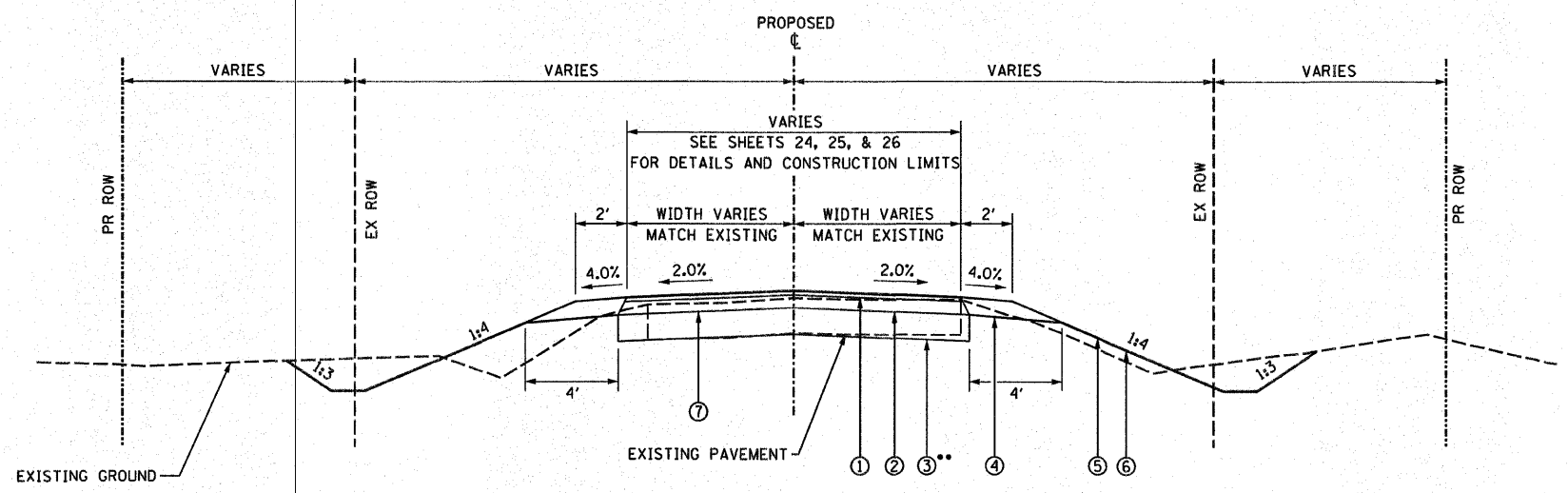
• REMOVAL OF EXISTING PAVEMENT SHALL BE INCLUDED AS EARTH EXCAVATION.

C.H. #1 PROPOSED TYPICAL SECTION

STA. 167+00 TO STA. 280+00



MAILBOX TURNOUT DETAIL



SIDEROAD TYPICAL SECTION

•• NOTE: AGGREGATE BASE COURSE VARIES FROM 12" TO 18" AT THE FOLLOWING LOCATIONS.
STA. 1701+20.53 TO STA. 1701+70.53 (TR 1700 N)
STA. 1703+05.00 TO STA. 1703+55.00 (TR 1700 N)
STA. 1801+42.61 TO STA. 1801+92.61 (TR 1800 N)
STA. 1803+79.64 TO STA. 1804+29.64 (TR 1800 N)
STA. 1900+64.90 TO STA. 1901+14.90 (TR 1900 N)
STA. 1903+34.91 TO STA. 1903+84.91 (TR 1900 N)

LEGEND

- ① HMA SURFACE COURSE, (1.5") BY OTHERS
- ② HMA BINDER COURSE, (4.5") BY OTHERS
- ③ AGGREGATE BASE COURSE, TY B, 12"
- ④ AGGREGATE SHOULDERS, 6", BY OTHERS
- ⑤ TOPSOIL, 4" (SEE EARTH EXCAVATION SPECIAL PROVISION)
- ⑥ SEEDING, FERTILIZER, AND MULCH
- ⑦ TEMPORARY A-2 BITUMINOUS SURFACE APPLIED AT A LATER DATE BY OTHERS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS & DRIVEWAY DETAILS
DESIGNED BY: AMPH & KLM
DATE: APRIL 2009
DRAWN BY: AMPH & KLM
CHECKED BY: JLH & RAH

PLOT DATE = 04/15/09
FILE NAME = 04150900
PLOT SCALE = 1/8"=1'-0"
USER NAME = WJH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
35B	86-00075-00-AS	WOODFORD	74	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

EARTHWORK SCHEDULE							
DESCRIPTION	LOCATION	LENGTH	20200100		20400800		
			EARTH EX. VOLUME (CUT)	EARTH EX. ADJUSTED FOR SHRINKAGE	EMBANKMENT VOLUME (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	STATION TO STATION	FEET	CU. YD.	CU. YD.	CU. YD.	FURNISH EX. CU. YD.	
	COUNTY HIGHWAY #1	STA. 163+70.00 TO STA. 170+00.00	630.00	617	462	602	-139
	STA. 170+00.00 TO STA. 185+00.00	1500.00	2656	1992	759	1233	
	STA. 185+00.00 TO STA. 200+00.00	1500.00	2134	1601	1006	595	
	STA. 200+00.00 TO STA. 215+00.00	1500.00	1640	1230	2837	-1607	
	STA. 215+00.00 TO STA. 230+00.00	1500.00	4012	3009	2358	651	
	STA. 230+00.00 TO STA. 245+00.00	1500.00	3156	2367	1405	962	
	STA. 245+00.00 TO STA. 260+00.00	1500.00	1658	1244	1866	-623	
	STA. 260+00.00 TO STA. 275+00.00	1500.00	1447	1085	8527	-5442	
	STA. 275+00.00 TO STA. 283+50.00	850.00	1084	813	1186	-373	
			SUBTOTAL	18404	13803	18546	-4743
TR 1700 N							
	WEST LEG STA. 1701+19.95 TO STA. 1701+67.97	48.02	60	45	25	20	
	EAST LEG STA. 1702+31.91 TO STA. 1703+55.00	123.09	215	162	72	90	
			SUBTOTAL	275	206	97	110
TR 1800 N							
	WEST LEG STA. 1801+42.61 TO STA. 1802+54.17	111.56	327	245	72	173	
	EAST LEG STA. 1803+18.16 TO STA. 1804+29.64	111.48	377	282	272	10	
			SUBTOTAL	703	527	344	183
TR 1900 N							
	WEST LEG STA. 1900+64.84 TO STA. 1902+00.88	136.04	89	67	84	-17	
	EAST LEG STA. 1902+64.76 TO STA. 1903+85.02	120.26	299	225	85	139	
			SUBTOTAL	388	291	169	122
			TOTAL	19770	14828	19155	-4328

NOTE: A SHRINKAGE FACTOR OF 25% WAS USED TO CALCULATE QUANTITIES OF WASTE MATERIAL.

PLT DATE * DATE *
FILE NAME * FILE *
USER NAME * USER *

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DESIGNED BY: AMPH & KLM
DATE: APRIL 2009

DRAWN BY: AMPH & KLM
CHECKED BY: JLH & RAH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	8
STA. _____ TO STA. _____		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT		

SEEDING SCHEDULE (2 OF 2)						25000100	25000200	25100115	28000250	25000400	25000500	25000600
LOCATION	PLAN AREA	PLAN AREA	PLAN AREA X SLOPE FACTOR (1.03)	PLAN AREA X SLOPE FACTOR (1.06)	TOTAL AREA	SEEDING, CLASS 1	SEEDING, CLASS 2	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	FERTILIZER		
										NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
STATION TO STATION	FORESLOPES (1:4)	BACKSLOPES (1:3)	FORESLOPES (1:4)	BACKSLOPES (1:3)					100 LBS/ACRE X 3 APPLICATIONS	90 LBS/ACRE	90 LBS/ACRE	90 LBS/ACRE
	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.	ACRE	ACRE	ACRE	POUND	POUND	POUND	POUND
LEFT SIDE												
STA. 167+00.00 LT TO STA. 169+00.00 LT	4355.76	1236.68	4486.43	1310.89	5797.32		0.13	0.13	39.93	11.98	11.98	11.98
STA. 169+00.00 LT TO STA. 170+60.93 LT	3545.29	1485.29	3651.65	1574.41	5226.06		0.12	0.12	35.99	10.80	10.80	10.80
STA. 170+60.93 LT TO STA. 172+00.00 LT	3079.18	1368.77	3171.55	1450.90	4622.45		0.11	0.11	31.84	9.55	9.55	9.55
STA. 172+00.00 LT TO STA. 173+50.00 LT	2977.73	1128.76	3067.06	1196.48	4263.54		0.10	0.10	29.36	8.81	8.81	8.81
STA. 173+00.00 LT TO STA. 174+00.00 LT	502.93	514.03	518.02	544.87	1062.89	0.02		0.02	7.32	2.20	2.20	2.20
STA. 174+00.00 LT TO STA. 175+00.00 LT	1100.81	981.45	1133.83	1040.34	2174.17	0.05		0.05	14.97	4.49	4.49	4.49
STA. 175+00.00 LT TO STA. 177+00.00 LT	3627.37	1805.59	3736.19	1913.93	5650.12		0.13	0.13	38.91	11.67	11.67	11.67
STA. 172+00.00 LT TO STA. 177+95.00 LT	1227.95	342.94	1264.79	363.51	1628.30		0.04	0.04	11.21	3.36	3.36	3.36
STA. 177+95.00 LT TO STA. 182+62.00 LT	7621.92	3525.89	7850.58	3737.44	11588.02		0.27	0.27	79.81	23.94	23.94	23.94
STA. 182+62.00 LT TO STA. 183+00.00 LT	177.96	162.24	183.30	171.97	355.27		0.01	0.01	2.45	0.73	0.73	0.73
STA. 183+00.00 LT TO STA. 184+49.50 LT	2280.33	1146.41	2348.74	1215.20	3563.94	0.08		0.08	24.55	7.36	7.36	7.36
STA. 184+49.50 LT TO STA. 187+30.00 LT	4631.07	2481.65	4770.00	2630.55	7400.55	0.17		0.17	50.97	15.29	15.29	15.29
STA. 187+30.00 LT TO STA. 192+00.00 LT	8113.84	5306.04	8357.26	5624.40	13981.66		0.32	0.32	96.29	28.89	28.89	28.89
STA. 192+00.00 LT TO STA. 197+24.54 LT	7949.33	6644.59	8187.81	7043.27	15231.08		0.35	0.35	104.90	31.47	31.47	31.47
STA. 197+24.54 LT TO STA. 202+00.00 LT	10112.66	6317.94	10416.04	6697.01	17113.05		0.39	0.39	117.86	35.36	35.36	35.36
STA. 202+00.00 LT TO STA. 207+00.00 LT	8991.10	6256.14	9260.83	6631.51	15892.34		0.36	0.36	109.45	32.84	32.84	32.84
STA. 207+00.00 LT TO STA. 211+26.00 LT	7388.05	4413.53	7609.69	4678.34	12288.03		0.28	0.28	84.63	25.39	25.39	25.39
STA. 211+26.00 LT TO STA. 217+00.00 LT	9338.77	6064.86	9618.93	6428.75	16047.69		0.37	0.37	110.52	33.16	33.16	33.16
STA. 217+00.00 LT TO STA. 222+00.00 LT	7836.24	7083.67	8071.33	7508.69	15580.03		0.36	0.36	107.30	32.19	32.19	32.19
STA. 222+00.00 LT TO STA. 223+95.41 LT	4831.37	4621.56	4976.31	4898.85	9875.16		0.23	0.23	68.01	20.40	20.40	20.40
STA. 223+95.41 LT TO STA. 227+00.00 LT	6163.75	4526.13	6348.66	4797.70	11146.36		0.26	0.26	76.77	23.03	23.03	23.03
STA. 227+00.00 LT TO STA. 232+00.00 LT	9848.18	2932.91	10143.62	3108.88	13252.51		0.30	0.30	91.27	27.38	27.38	27.38
STA. 232+00.00 LT TO STA. 237+00.00 LT	8059.80	4683.13	8301.60	4964.12	13265.72		0.30	0.30	91.36	27.41	27.41	27.41
STA. 237+00.00 LT TO STA. 242+00.00 LT	7004.85	4300.99	7215.00	4559.05	11774.05		0.27	0.27	81.09	24.33	24.33	24.33
STA. 242+00.00 LT TO STA. 247+00.00 LT	7155.85	4197.88	7370.52	4449.76	11820.28		0.27	0.27	81.41	24.42	24.42	24.42
STA. 247+00.00 LT TO STA. 250+66.64 LT	5539.61	2190.76	5705.80	2322.21	8028.01		0.18	0.18	55.29	16.59	16.59	16.59
STA. 250+66.64 LT TO STA. 257+00.00 LT	11118.60	4860.98	11452.16	5152.64	16604.80		0.38	0.38	114.36	34.31	34.31	34.31
STA. 258+76.69 LT	1261.85		TEMPORARY EASEMENT		1261.85		0.03	0.03	8.69	2.61	2.61	2.61
STA. 257+00.00 LT TO STA. 258+76.69 LT	1819.68	1759.84	1874.27	1865.43	3739.69		0.09	0.09	25.76	7.73	7.73	7.73
STA. 258+76.69 LT TO STA. 262+00.00 LT	4229.88	2933.05	4356.78	3109.03	7465.81		0.17	0.17	51.42	15.43	15.43	15.43
STA. 262+00.00 LT TO STA. 267+00.00 LT	8811.68	4693.37	9076.03	4974.98	14051.01		0.32	0.32	96.77	29.03	29.03	29.03
STA. 267+00.00 LT TO STA. 272+00.00 LT	11692.61	4799.63	12043.39	5087.61	17131.00		0.39	0.39	117.98	35.39	35.39	35.39
STA. 272+00.00 LT TO STA. 275+00.00 LT	12982.55	5012.78	13372.02	5313.54	18685.57		0.43	0.43	128.69	38.61	38.61	38.61
STA. 273+80.00 LT	15750.00		TEMPORARY EASEMENT		15750.00		0.36	0.36	108.47	32.54	32.54	32.54
STA. 275+00.00 LT TO STA. 277+11.80 LT	2323.72	2097.83	2393.43	2223.70	4617.13		0.11	0.11	31.80	9.54	9.54	9.54
STA. 277+11.80 LT TO STA. 280+00.00 LT	5577.36	3533.49	5744.69	3745.50	9490.19		0.22	0.22	65.36	19.61	19.61	19.61
TOTAL LEFT SIDE ONLY						0.33	7.65	7.98	2392.74	717.82	717.82	717.82
TOTAL LEFT & RIGHT SIDE						1.12	15.83	16.95	5084.64	1525.39	1525.39	1525.39

PLOT DATE = 4/15/09
 FILE NAME = 89477.dwg
 PLOT SCALE = 1"=100'
 USER NAME = JLH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DESIGNED BY: AMPH & KLM
 DATE: APRIL 2009
 DRAWN BY: AMPH & KLM
 CHECKED BY: JLH & RAH

Table with columns: F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Row 1: 35B, B6-00075-00-AS, WOODFORD, 74, 9. Row 2: STA., TO STA., TO STA. Row 3: FED. ROAD DIST. NO. 4, ILLINOIS, FED. AID PROJECT.

TEMPORARY DITCH CHECK SCHEDULE (1 OF 4)

Main table for temporary ditch check schedule 1 of 4. Columns: LOCATION, DISTANCE, SLOPE, AVG. SPACING, 28000300 TEMPORARY DITCH CHECKS EACH, 28000310 AGGREGATE DITCH CHECK EACH. Rows include station-to-station segments and a final SUBTOTAL row.

TEMPORARY DITCH CHECK SCHEDULE (2 OF 4)

Main table for temporary ditch check schedule 2 of 4. Columns: LOCATION, DISTANCE, SLOPE, AVG. SPACING, 28000300 TEMPORARY DITCH CHECKS EACH, 28000310 AGGREGATE DITCH CHECK EACH. Rows include station-to-station segments for Right Side Continued and Left Side, and a final SUBTOTAL row.

DATE: # DATES: # FILE# # # # SCALES: # USER NAME: # #USERS:

REVISIONS table with columns: NAME, DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES DESIGNED BY: AMPH & KLM DRAWN BY: AMPH & KLM DATE: APRIL 2009 CHECKED BY: JLH & RAH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	12
STA.	TO STA.			
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

BOX CULVERT END SECTION			54001000
LOCATION	ALIGNMENT	FOR INFO ONLY	UNIT
STATION		SIZE	EACH
STA. 199+63.00	COUNTY HIGHWAY #1	5x3'	2
STA. 223+12.00	COUNTY HIGHWAY #1	6x2'	1
STA. 231+88.00	COUNTY HIGHWAY #1	6x3'	2
STA. 252+07.00	COUNTY HIGHWAY #1	9x2'	2
STA. 264+32.00	COUNTY HIGHWAY #1	3x2'	2
STA. 1702+50.00	TR 1700 N	5x2'	2
TOTAL			11

CONCRETE BOX CULVERTS		54003000
LOCATION	VOLUME	
STATION	CU YD	
STA. 1803+33.20 (DOUBLE BOX)	222.50	
STA. 273+80.00 (TRIPLE BOX)	233.00	
TOTAL		455.50

ENTRANCE CULVERT SCHEDULE											
LOCATION	STATION	OFFSET	LT/RT	CULVERT SLOPE	UPSTREAM CULVERT STATION	UPSTREAM INV. ELEV.	DOWN STREAM CULVERT STATION	DOWN STREAM INV. ELEV.	54205893	542C0220	542C0223
									PIPE CULVERTS, TYPE 1, CORRUGATED STEEL, EQUIVALENT ROUND-SIZE 18"	PIPE CULVERTS, CLASS C, TYPE 1 15"	PIPE CULVERTS, CLASS C, TYPE 1 18"
									LENGTH FEET	LENGTH FEET	LENGTH FEET
STA. 169+33.82		34	RT	0.95%	169+11.82	779.19	169+56.82	778.76			
STA. 177+95.00		30.5	LT	0.20%	177+72.00	776.55	178+19.00	776.45		47.0	
STA. 184+18.50		30.5	LT	0.50%	182+37.00	775.43	186+00.00	773.62			363.0
STA. 196+00.00		28.5	RT	0.60%	195+77.00	765.22	196+24.00	764.94		47.0	
STA. 197+24.54		30	LT	0.80%	196+87.54	764.25	197+64.54	763.63		77.0	
STA. 212+76.68		27	RT	1.00%	212+60.18	762.94	212+94.18	762.60		34.0	
STA. 248+00.00		35.6	RT	0.30%	247+75.50	739.19	248+24.50	739.05		49.0	
STA. 250+66.64		28.9	LT	0.30%	250+42.64	740.17	250+90.64	740.03	144		
STA. 251+25.80		37.7	RT	0.30%	251+06.80	738.08	251+45.80	737.96		39.0	
STA. 1901+00.00		21	RT	0.30%	1901+21.50	730.51	1900+78.50	730.39		43.0	
STA. 1901+00.00		21.5	LT	0.30%	1901+21.00	730.26	1900+79.00	730.14		42.0	
STA. 1903+50.00		19.8	RT	0.30%	1903+72.00	733.07	1903+28.00	732.93		44.0	
STA. 1903+50.00		20	LT	0.30%	1903+71.00	733.47	1903+28.00	733.34			129.0
TOTAL									144	422	537

CROSS ROAD AND SIDE ROAD CULVERT SCHEDULE											
LOCATION	ALIGNMENT	542D0229	542D1069	542D0235	542D0241	54020302	54020502	54020503	54020602	54020603	54020902
		PIPE CULVERTS, CLASS D, TYPE 1, 24"	PIPE CULVERTS, CLASS D, TYPE 2, 24"	PIPE CULVERTS, CLASS D, TYPE 1, 30"	PIPE CULVERTS, CLASS D, TYPE 1, 36"	PRECAST CONCRETE BOX CULVERT 3' X 2' (M273)	PRECAST CONCRETE BOX CULVERT 5' X 2' (M273)	PRECAST CONCRETE BOX CULVERT 5' X 3' (M273)	PRECAST CONCRETE BOX CULVERT 6' X 2' (M273)	PRECAST CONCRETE BOX CULVERT 6' X 3' (M273)	PRECAST CONCRETE BOX CULVERT 9' X 2' (M273)
		UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET	UNIT FEET
STA. 170+05.00	COUNTY HIGHWAY #1			66							
STA. 172+42.00	COUNTY HIGHWAY #1	64									
STA. 199+63.00	COUNTY HIGHWAY #1							68			
STA. 208+15.00	COUNTY HIGHWAY #1		64								
STA. 223+12.00	COUNTY HIGHWAY #1								67		
STA. 231+88.00	COUNTY HIGHWAY #1									64	
STA. 252+07.00	COUNTY HIGHWAY #1										64
STA. 264+32.00	COUNTY HIGHWAY #1					64					
STA. 1702+50.00	TR 1700 N						54				
STA. 1902+75.00	TR 1900 N				80						
TOTAL		64	64	66	80	64	54	68	67	64	64

STEEL END SECTIONS						
LOCATION	ALIGNMENT	54213879	54213885	54213891		
		STEEL END SECTIONS 24"	STEEL END SECTIONS 30"	STEEL END SECTIONS 36"		
		UNIT EACH	UNIT EACH	UNIT EACH		
STA. 170+05.00	COUNTY HIGHWAY #1					
STA. 172+42.00	COUNTY HIGHWAY #1	2				
STA. 208+15.00	COUNTY HIGHWAY #1	1				
STA. 1902+75.00	TR 1900 N				2	
TOTAL		3	2	2		

MANHOLE, TYPE A, 5' DIA.		60222900
LOCATION	UNIT	
STATION	EACH	
STATION 208+15.00, 35' LT	1.0	
TOTAL	1.0	

FIELD TILE JUNCTION VAULTS, 3' DIA.		61133200
LOCATION	UNIT	
STATION	EACH	
STA. 273+99.00, 54.4' RT	1.0	
STA. 274+85.00, 150' LT	1.0	
TOTAL	2.0	

MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE		60220230
LOCATION	UNIT	
STATION	EACH	
STATION 184+00.00, 30.5' LT	1.0	
TOTAL	1.0	

PIPE CULVERTS, CLASS A, TYPE 2, 15"		542A1060
LOCATION	UNIT	
STATION	FEET	
STA. 273+05.50, 46' RT TO STA. 273+53.20, 40.8' LT	100.0	
TOTAL	100.0	

PIPE CULVERTS, CLASS A, TYPE 2, 18"		542A1063
LOCATION	UNIT	
STATION	FEET	
STA. 273+99.00, 54.4' RT TO STA. 274+85.00, 150' LT	220.0	
TOTAL	220.0	

PIPE CULVERTS, CLASS A, TYPE 2, 21"		542A1066
LOCATION	UNIT	
STATION	FEET	
STA. 273+00.0, 43.40 RT TO STA. 273+47.50, 41.8' LT	99.0	
STA. 273+03.0, 44.75' RT TO STA. 273+50.8, 42.15' LT	99.0	
TOTAL	198.0	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DESIGNED BY: AMPH & KLM
DATE: APRIL 2009

DRAWN BY: AMPH & KLM
CHECKED BY: JLH & RAH

PLOT DATE * DATE *
FILE NAME * FILE.LS
PLOT SCALE * SCALES
USER NAME * USER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	13
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

STORM SEWERS, SPECIAL 6"	61139900
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

STORM SEWERS, SPECIAL 8"	61140000
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

STORM SEWERS, SPECIAL 10"	61140100
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

STORM SEWERS, SPECIAL 12"	61140200
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

STORM SEWERS, SPECIAL 15"	61140400
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

STORM SEWERS, SPECIAL 18"	61140600
LOCATION	UNIT
STATION	FEET
CONTINGENT QUANTITY FOR FIELD TILE REPLACEMENT DURING CONSTRUCTION	300.0
TOTAL	300.0

MOBILIZATION	67100100
LOCATION	UNIT
STATION	L SUM
ENTIRE JOB SITE	1.00
TOTAL	1.00

TRAFFIC CONTROL COMPLETE	70103700
LOCATION	UNIT
STATION	L SUM
ENTIRE JOB SITE	1.00
TOTAL	1.00

JUNCTION BOX	X6029000
LOCATION	UNIT
STATION	L SUM
STA. 273+02.21, 46' RT	1.0
TOTAL	1.0

CONSTRUCTION LAYOUT	Z0013798
LOCATION	UNIT
STATION	L SUM
ENTIRE JOB SITE	1.00
TOTAL	1.00

SCARIFYING & REGRADING EXISTING ASPHALT SURFACE				Z0064000
LOCATION	ALIGNMENT	LENGTH	WIDTH	AREA
STATION TO STATION		FEET	FEET	SQ YD
STA. 163+70.00 TO STA. 167+00.00	COUNTY HIGHWAY #1	330.00	20	733.33
STA. 280+00.00 TO STA. 283+50.00	COUNTY HIGHWAY #1	350.00	20	777.78
TOTAL				1511.11

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

REVISIONS	
NAME	DATE

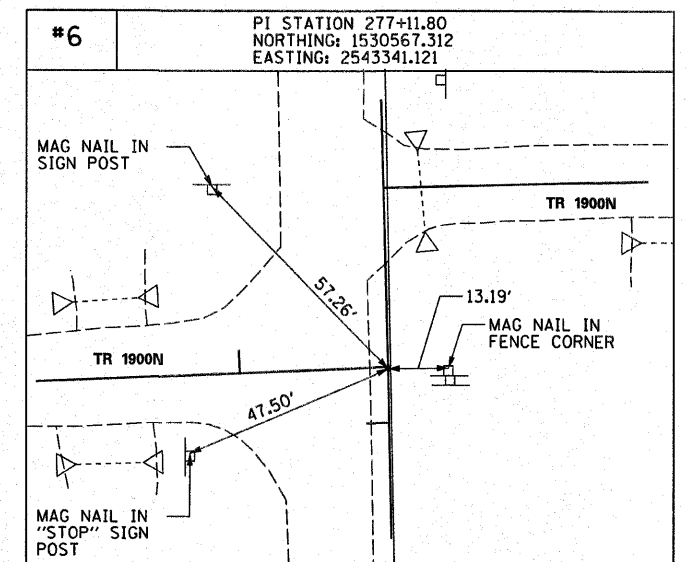
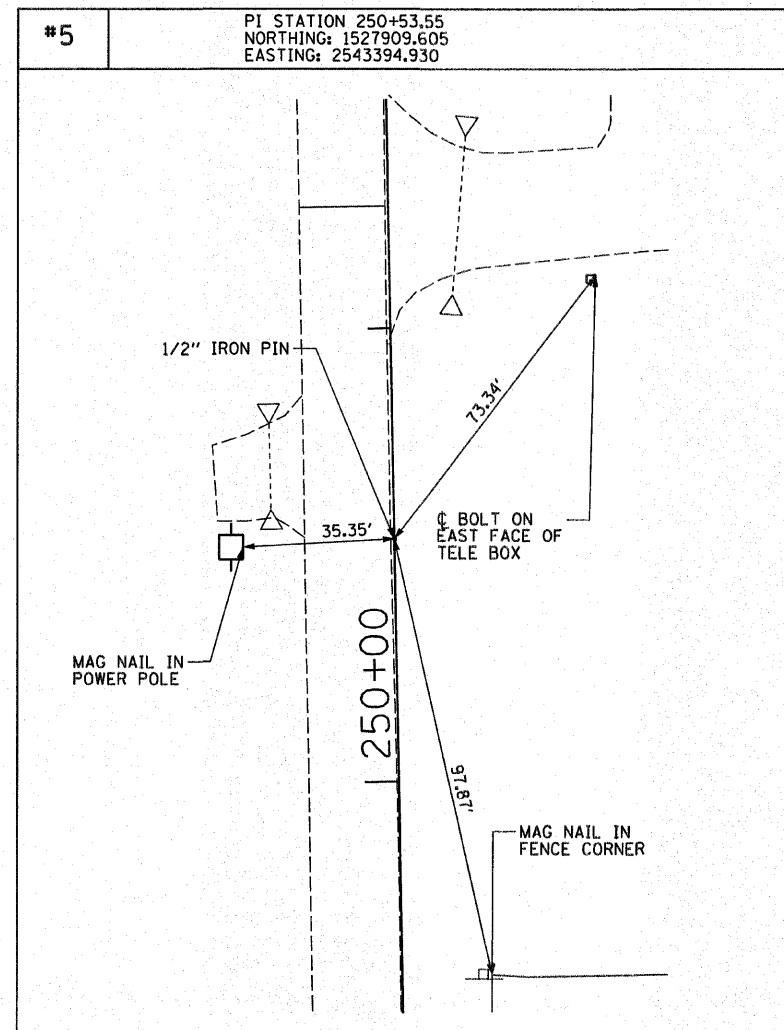
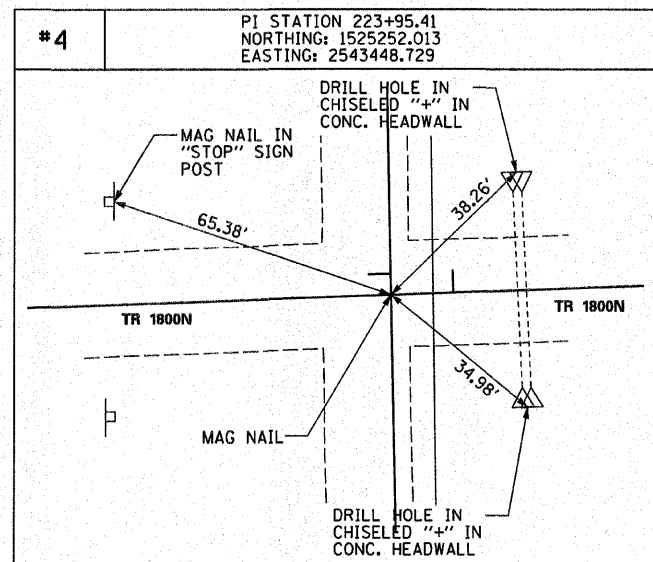
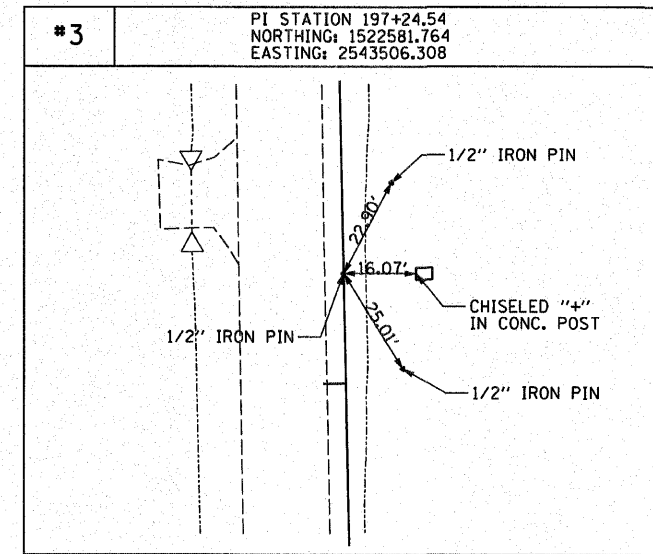
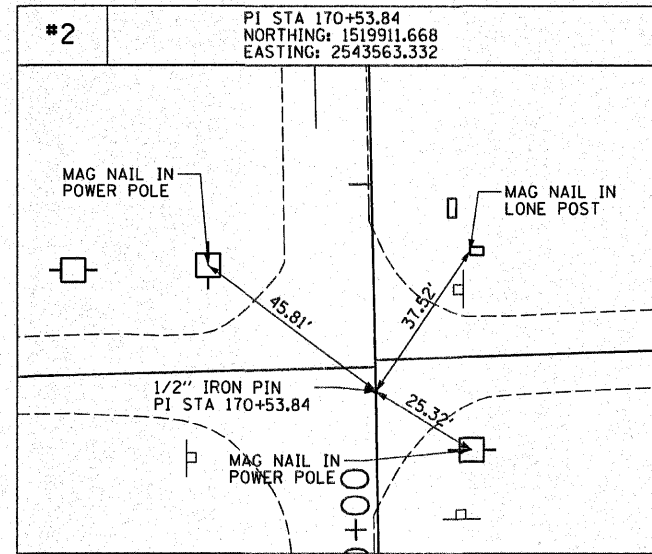
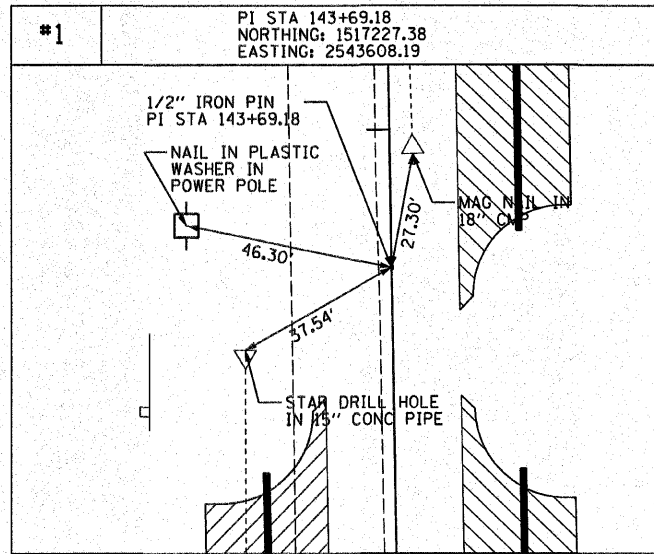
ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DESIGNED BY: AMPH & KLM
 DATE: APRIL 2009

DRAWN BY: AMPH & KLM
 CHECKED BY: JLH & RAH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	14
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



PLOT DATE = #DAYS
FILE NAME = #FILES
PLOT SCALE = #SCALE
USER NAME = #USER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL

DESIGNED BY: AMPH & KLM
DATE: APRIL 2009

DRAWN BY: AMPH & KLM
CHECKED BY: JLH & RAH

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	15
STA. 155+00.00 TO STA. 170+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

VELDA L. GARBER

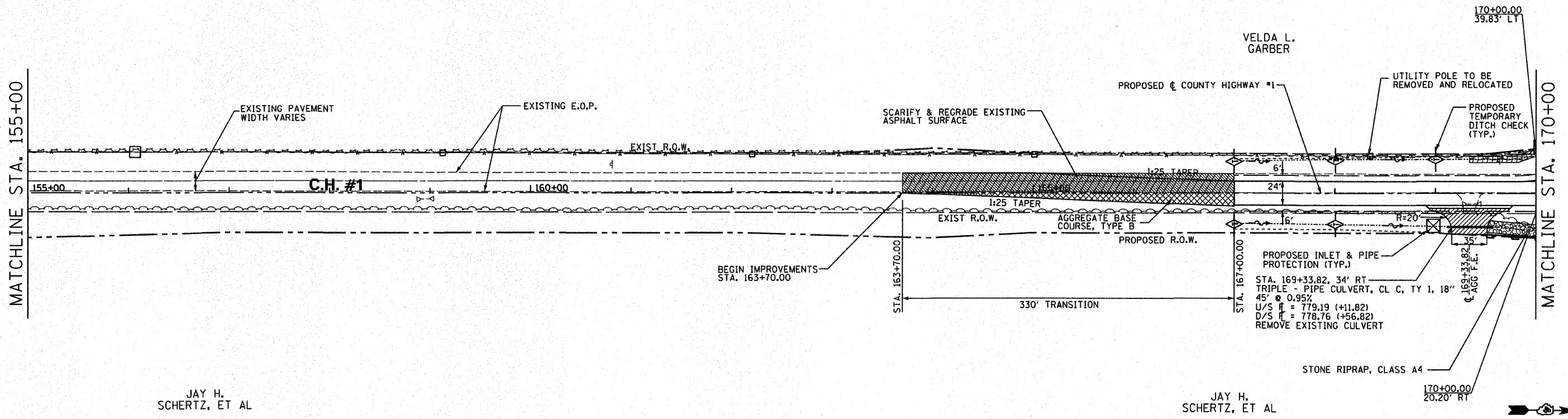
JAY H. SCHERTZ, ET AL

JAY H. SCHERTZ, ET AL

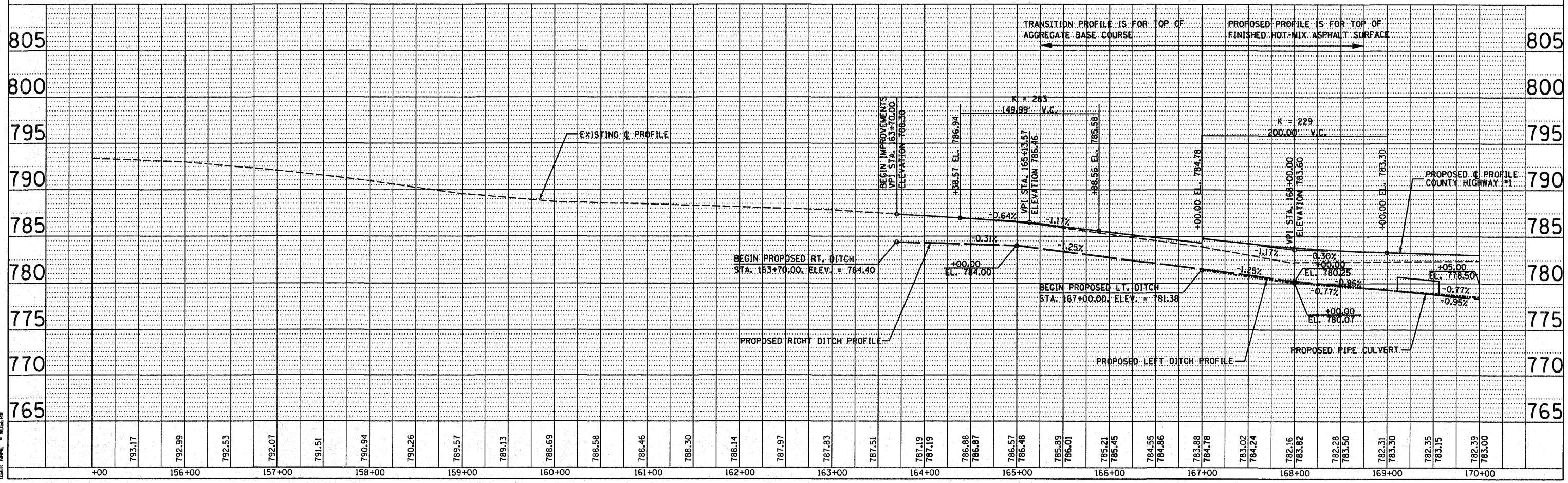
PLAN	DATE
REVISED	
ALIGNED	
CHECKED	
BY	
NO.	

PROFILE	DATE
REVISED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
BY	
NO.	

PLOT DATE = 8/24/88
 PLOT SCALE = 1" = 5'
 USER NAME = RUSSEN



H. SCALE: 1" = 50'
 V. SCALE: 1" = 5'

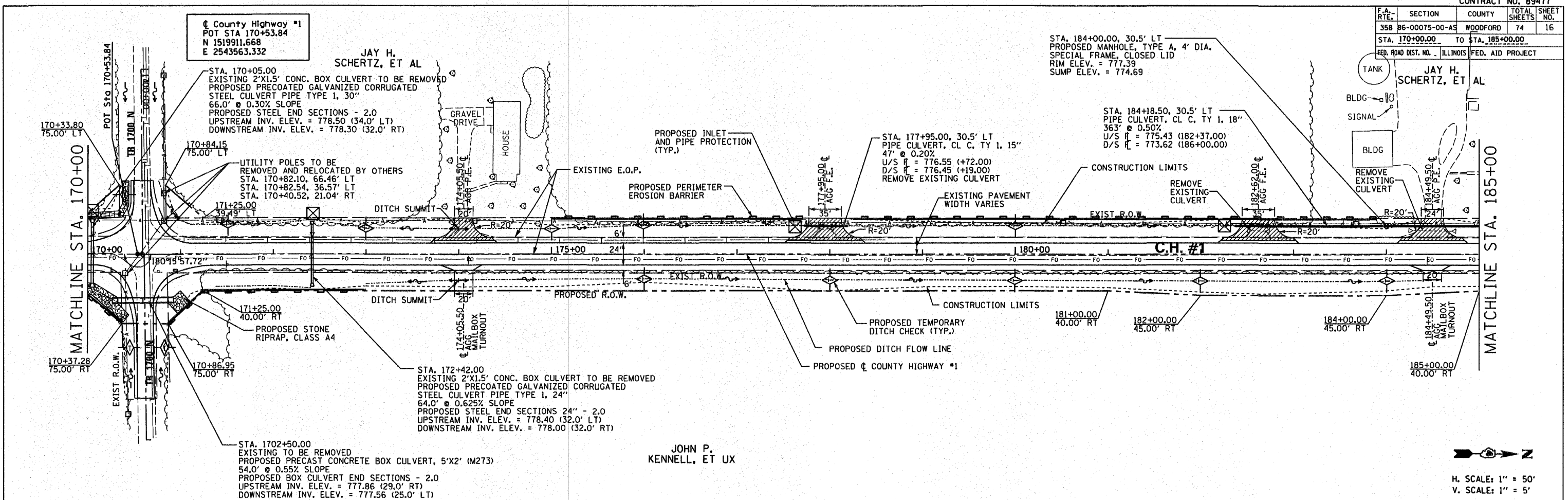


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	16
STA. 170+00.00 TO STA. 185+00.00		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		

DATE	BY

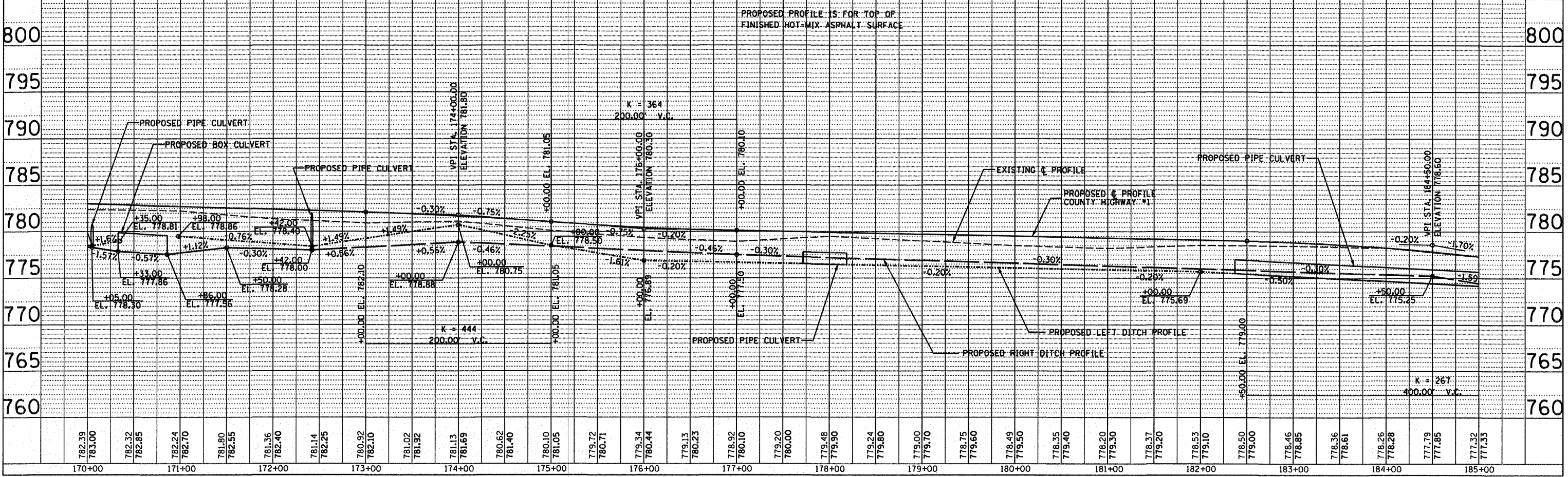
DATE	BY

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 FILE NAME = 89477.DWG
 PLOT SCALE = 1"=40'
 USER NAME = JH



JOHN P. KENNEL, ET UX

H. SCALE: 1" = 50'
 V. SCALE: 1" = 5'



COUNTY HIGHWAY #1 PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	17
STA. 185+00.00 TO STA. 200+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

County Highway #1
 POT STA 197+24.54
 N 1522581.764
 E 25433506.308

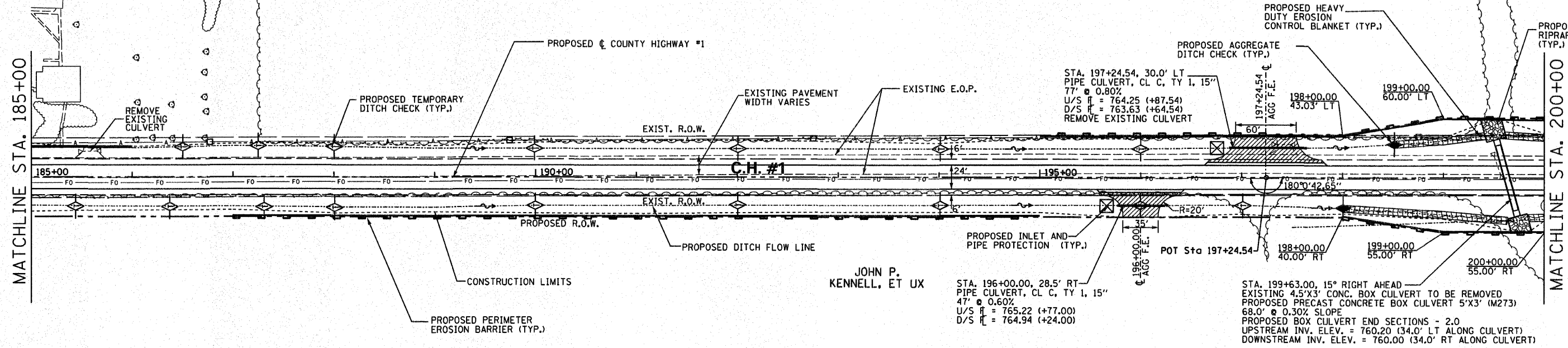
JAY H. SCHERTZ, ET AL

JAY H. SCHERTZ ET AL

MATCHLINE STA. 185+00

MATCHLINE STA. 200+00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
	NO. _____		



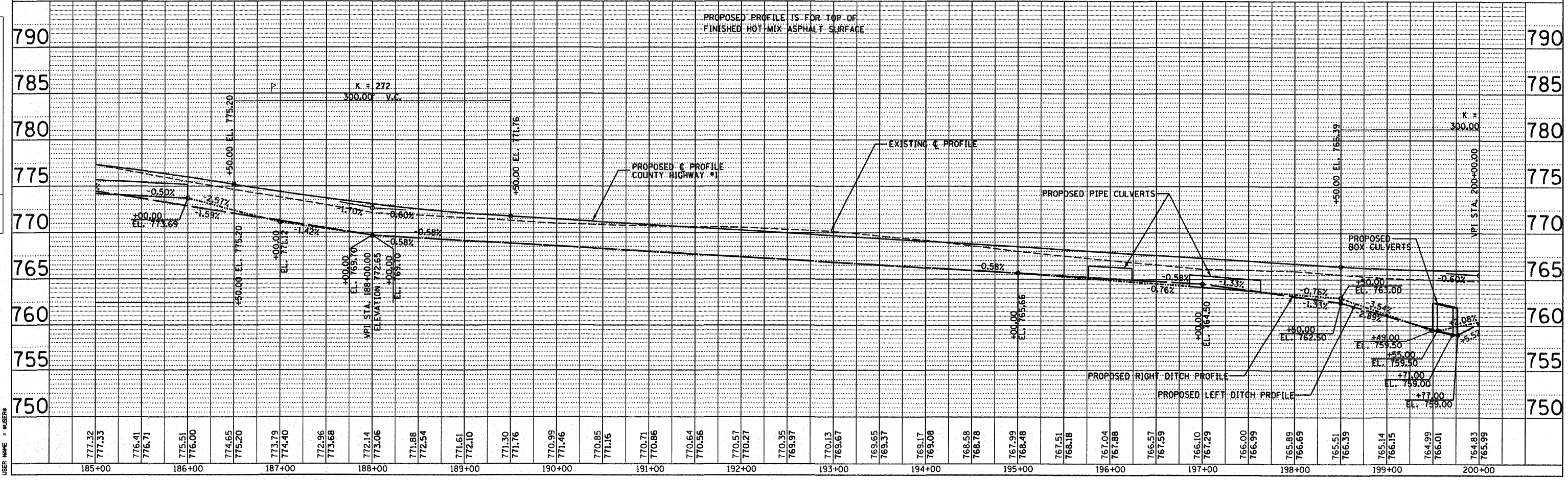
JOHN P. KENNEL, ET UX

JOHN P. KENNEL, ET UX



H. SCALE: 1" = 50'
 V. SCALE: 1" = 5'

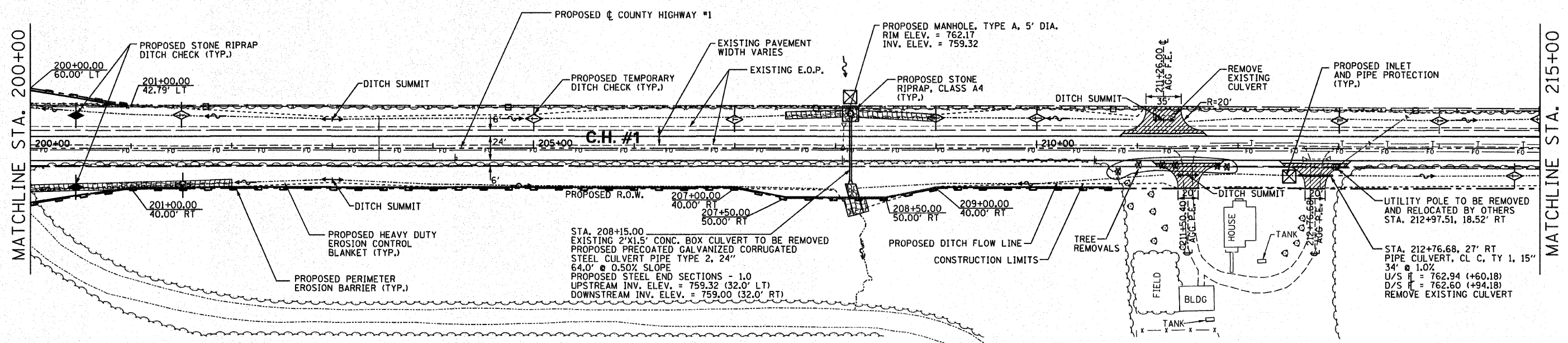
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	PLOTTED		
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	NOTED		
	NO. _____		



COUNTY HIGHWAY #1 PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	18
STA. 200+00.00		TO STA. 215+00.00		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

MILDRED NICHOLS WOODS



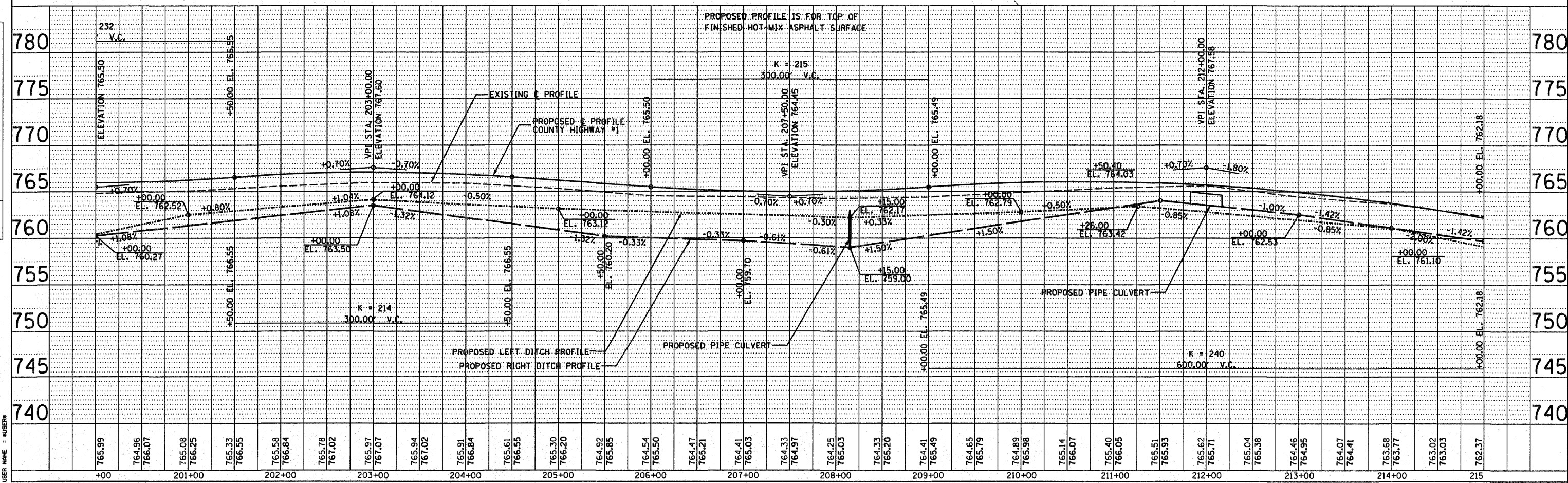
LILLIE & SILAS ZOSS



H. SCALE: 1" = 50'
V. SCALE: 1" = 5'

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	PLANNED		
	CHECKED		
	NOTED		
	FILED		
	NO.		

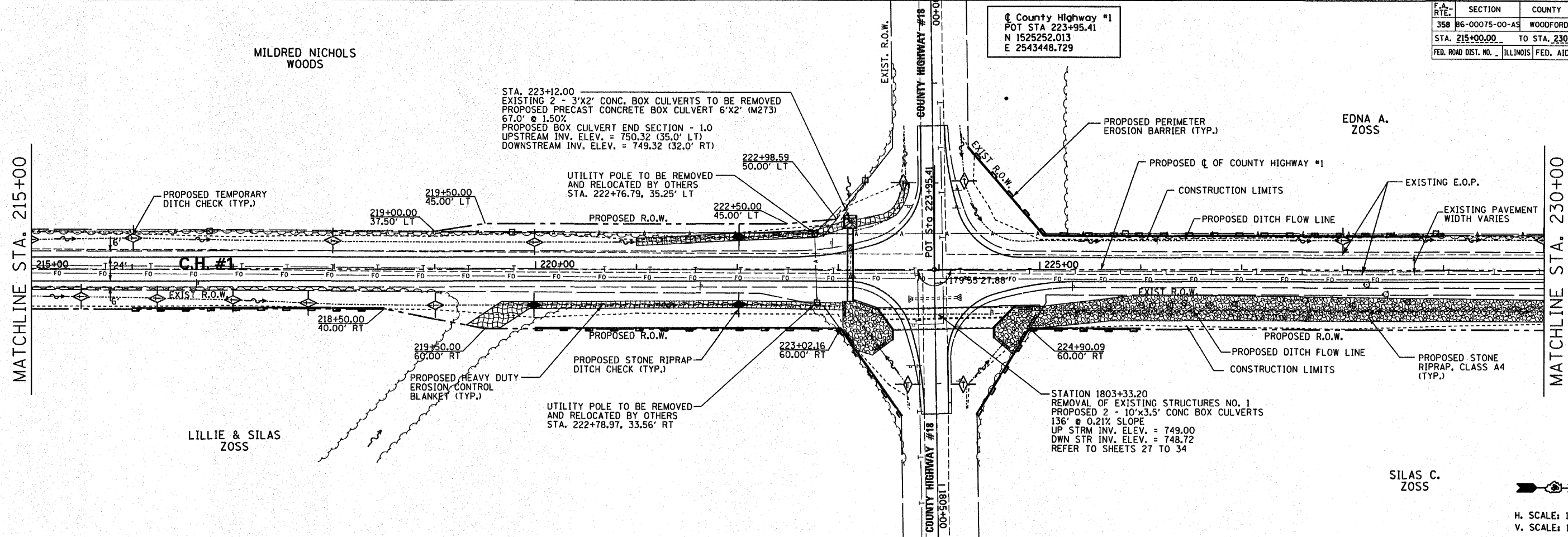
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	FILED		
	NO.		



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FILE NAME	FILE NO.
PLOT SCALE	PLOT NO.
USER NAME	USER NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	19
STA. 215+00.00		TO STA. 230+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

County Highway #1
 POT STA 223+95.41
 N 1525252.013
 E 2543448.729



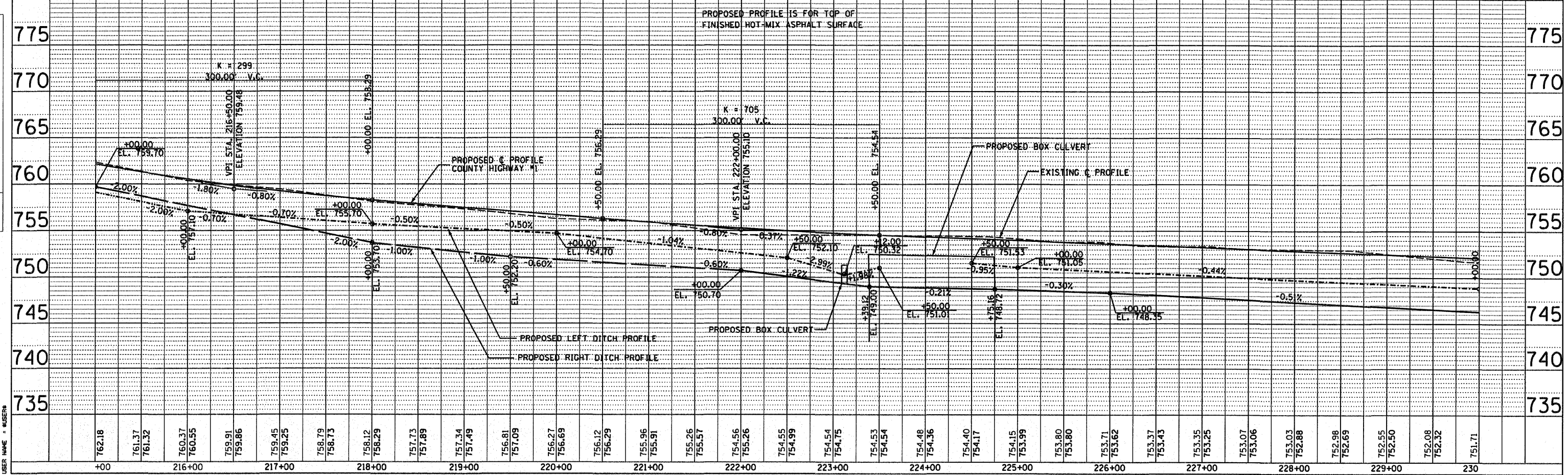
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 V. SCALE: 1" = 5'

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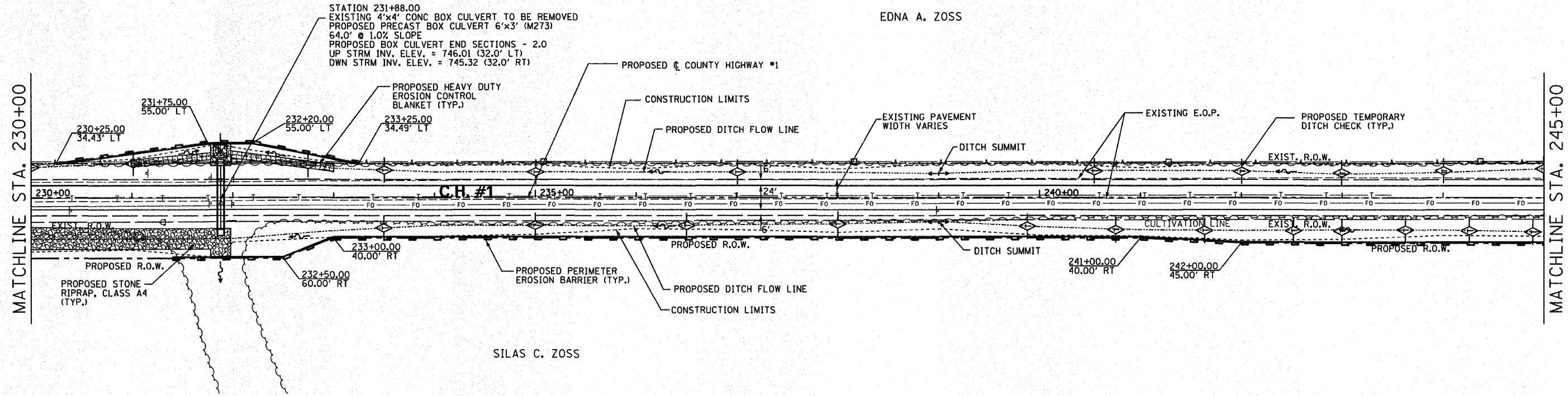
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 CHECKED BY: []
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COUNTY HIGHWAY #1 PLAN & PROFILE

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358	86-00075-00-AS	WOODFORD	74	20
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FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



EDNA A. ZOSS

SILAS C. ZOSS



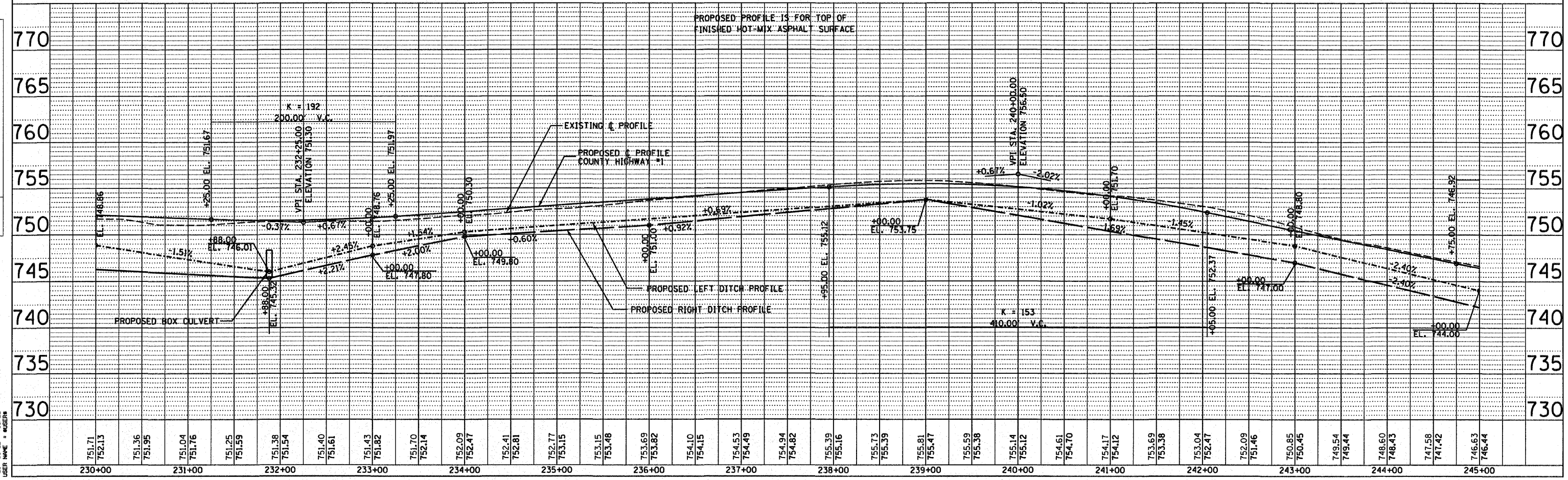
H. SCALE: 1" = 50'
V. SCALE: 1" = 5'

DATE	BY

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO. OF W.A. CHECKED
CADD FILE NAME

DATE	BY

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO. OF W.A. CHECKED
STRUCTURE NOTATIONS GRID



COUNTY HIGHWAY #1 PLAN & PROFILE

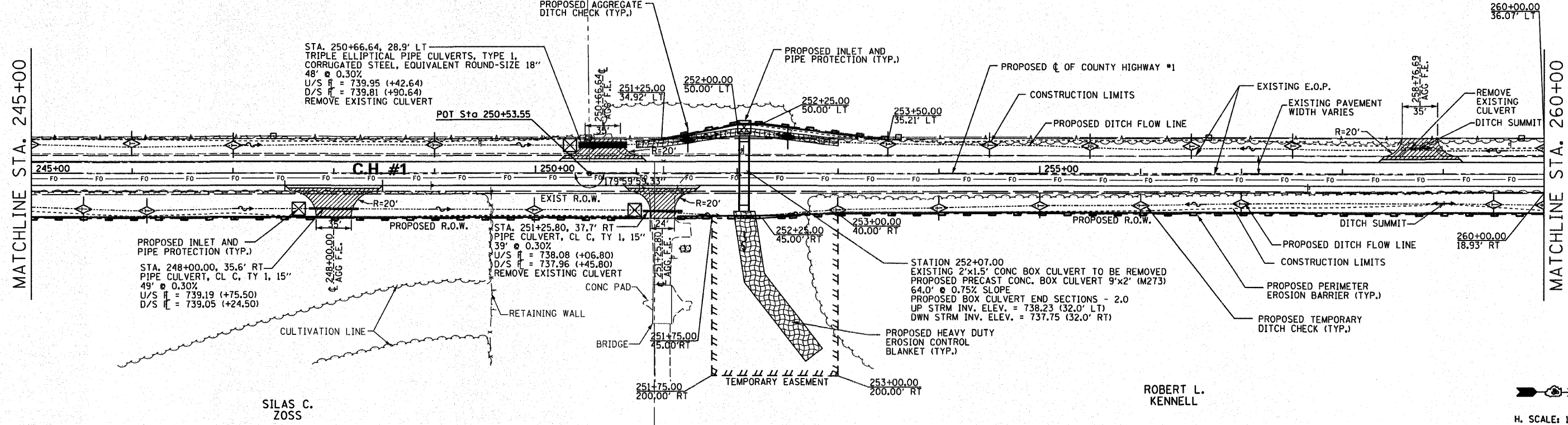
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358	86-00075-00-AS	WOODFORD	74	21
STA. 245+00.00 TO STA. 260+00.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

**PRELIMINARY
NOT FOR CONSTRUCTION**

EDNA A. ZOSS

VIOLET M. ZOSS

County Highway #1
POT STA 250+53.55
N 1527909.605
E 2543394.930

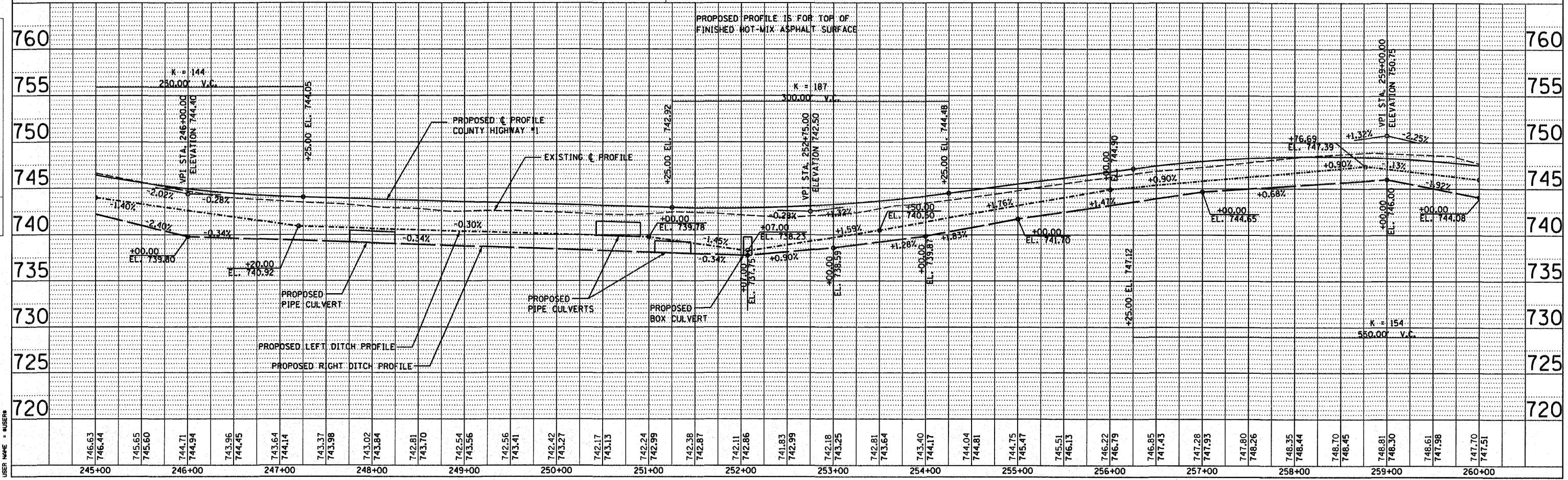


ROBERT L. KENNEL

H. SCALE: 1" = 50'
V. SCALE: 1" = 5'

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	

DATE	
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REVISIONS	
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DESCRIPTION	
DATE	
BY	



COUNTY HIGHWAY #1 PLAN & PROFILE

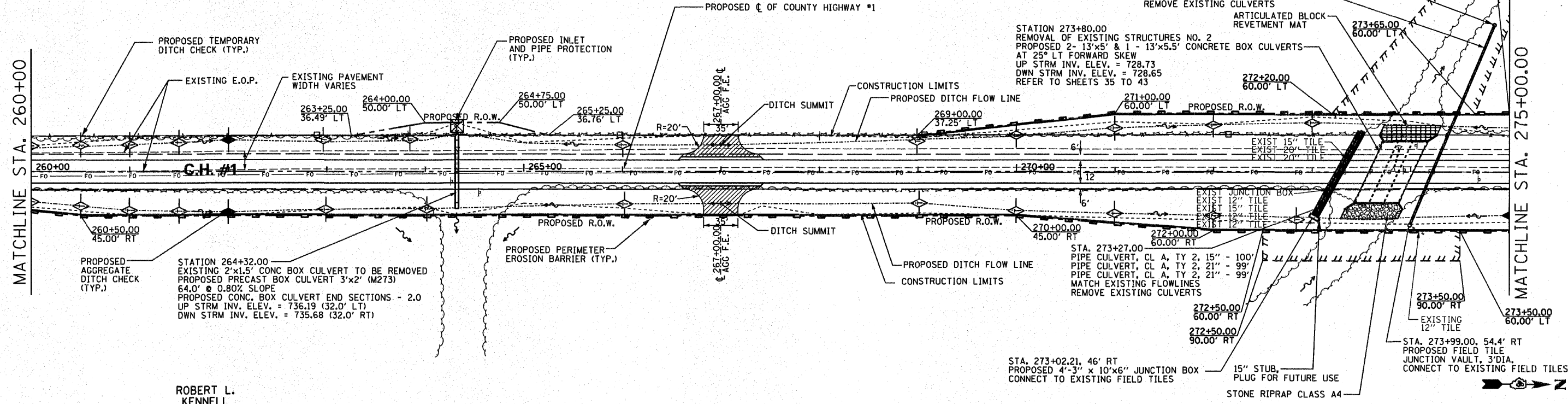
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ROBERT L. HERRMANN

VIOLET M. ZOISS

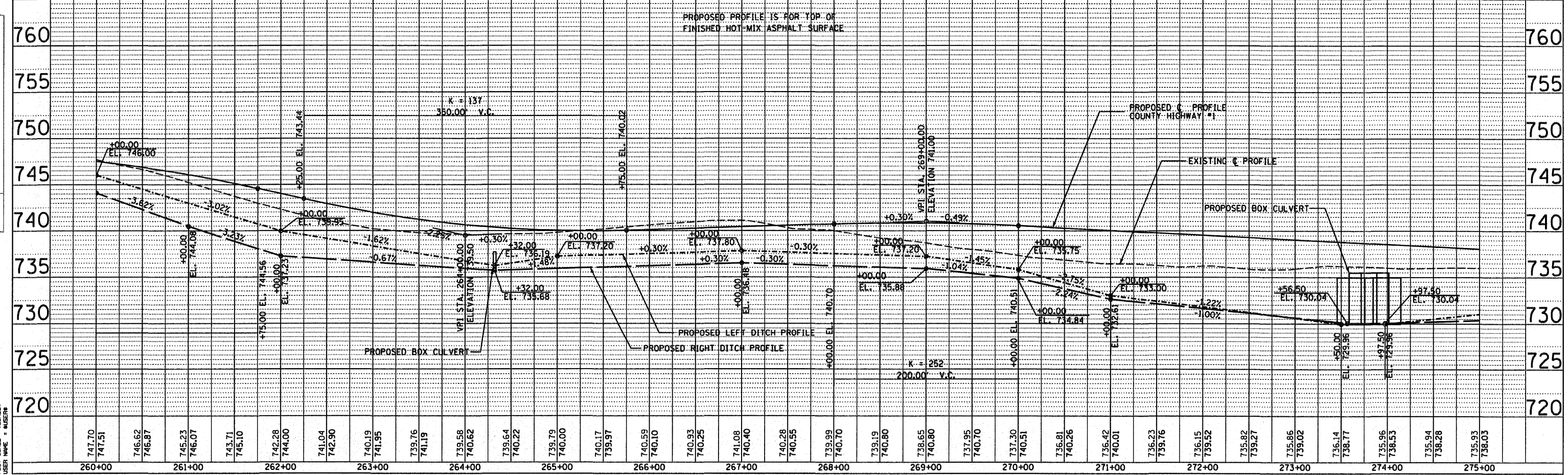
ROBERT L. KENNELL

KA-WALT-ANNE PROPERTIES



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	STRUCTURE NOTATION DTD	



PLT DATE	# DATES
FILE NAME	# FILES
PLT SCALE	# SCALES
USER NAME	# USERS

COUNTY HIGHWAY #1 PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	23
STA. 275+00.00		TO STA. 290+00.00		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

County Highway #1
 POT STA 303+80.88
 N 1533235.395
 E 2543268.289

County Highway #1
 POT STA 277+11.80
 N 1530567.312
 E 2543341.121

ROBERT L. HERRMANN

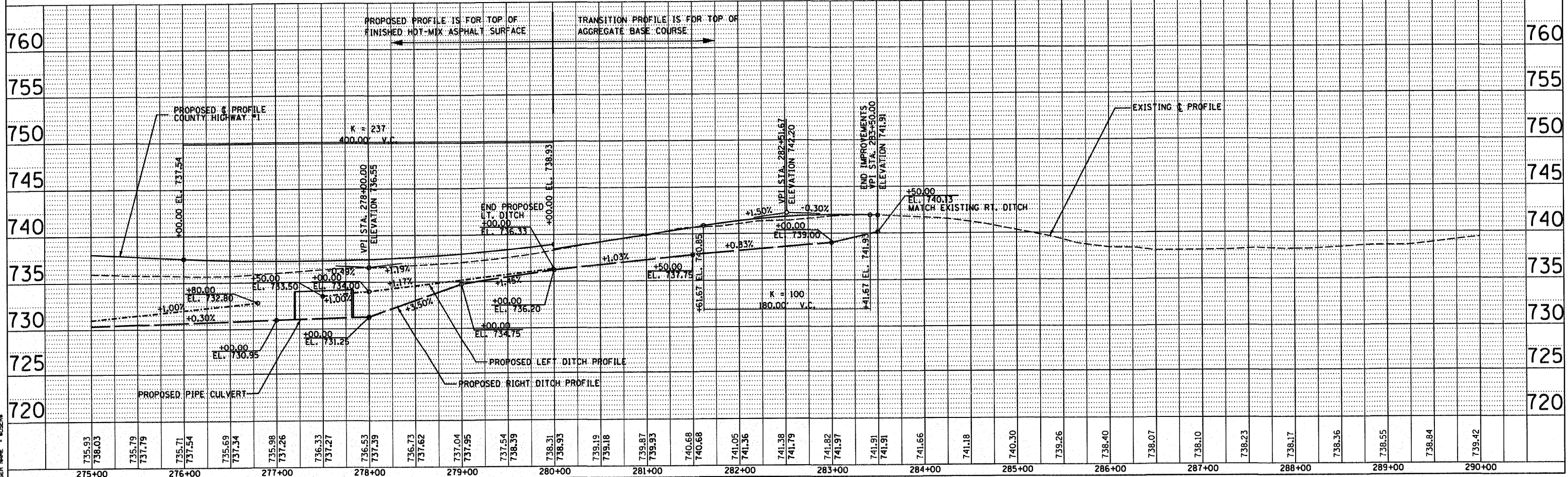
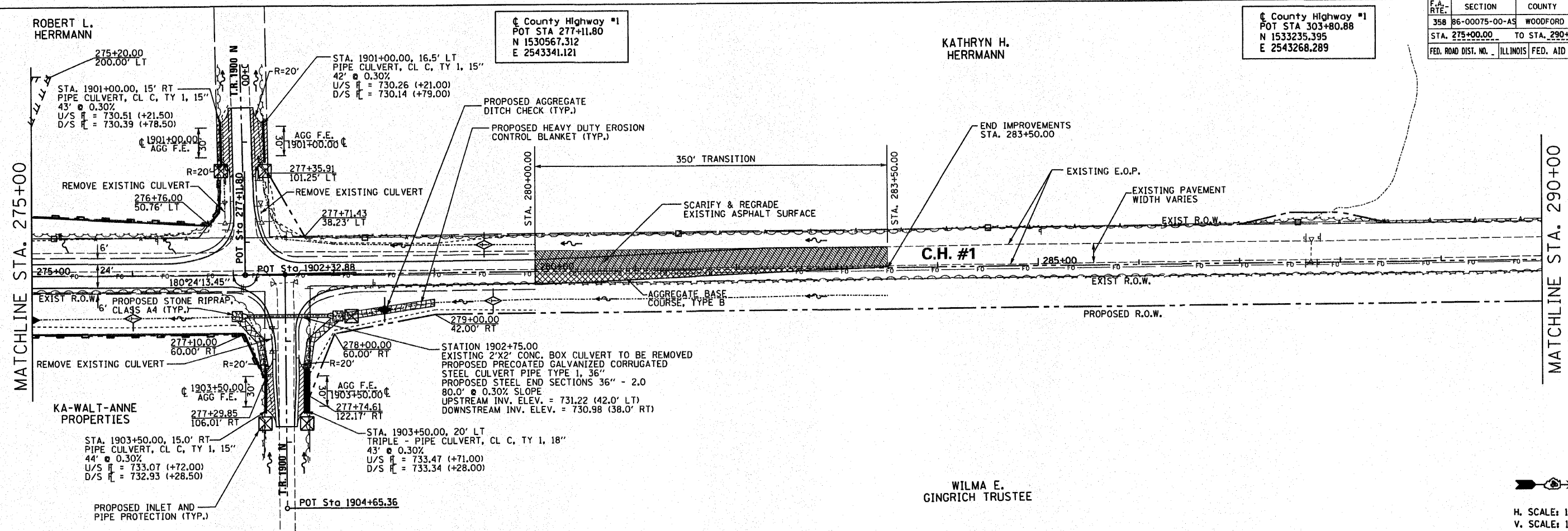
KATHRYN H. HERRMANN

WILMA E. GINGRICH TRUSTEE

PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

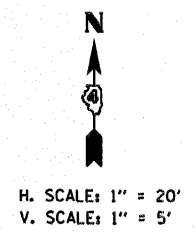
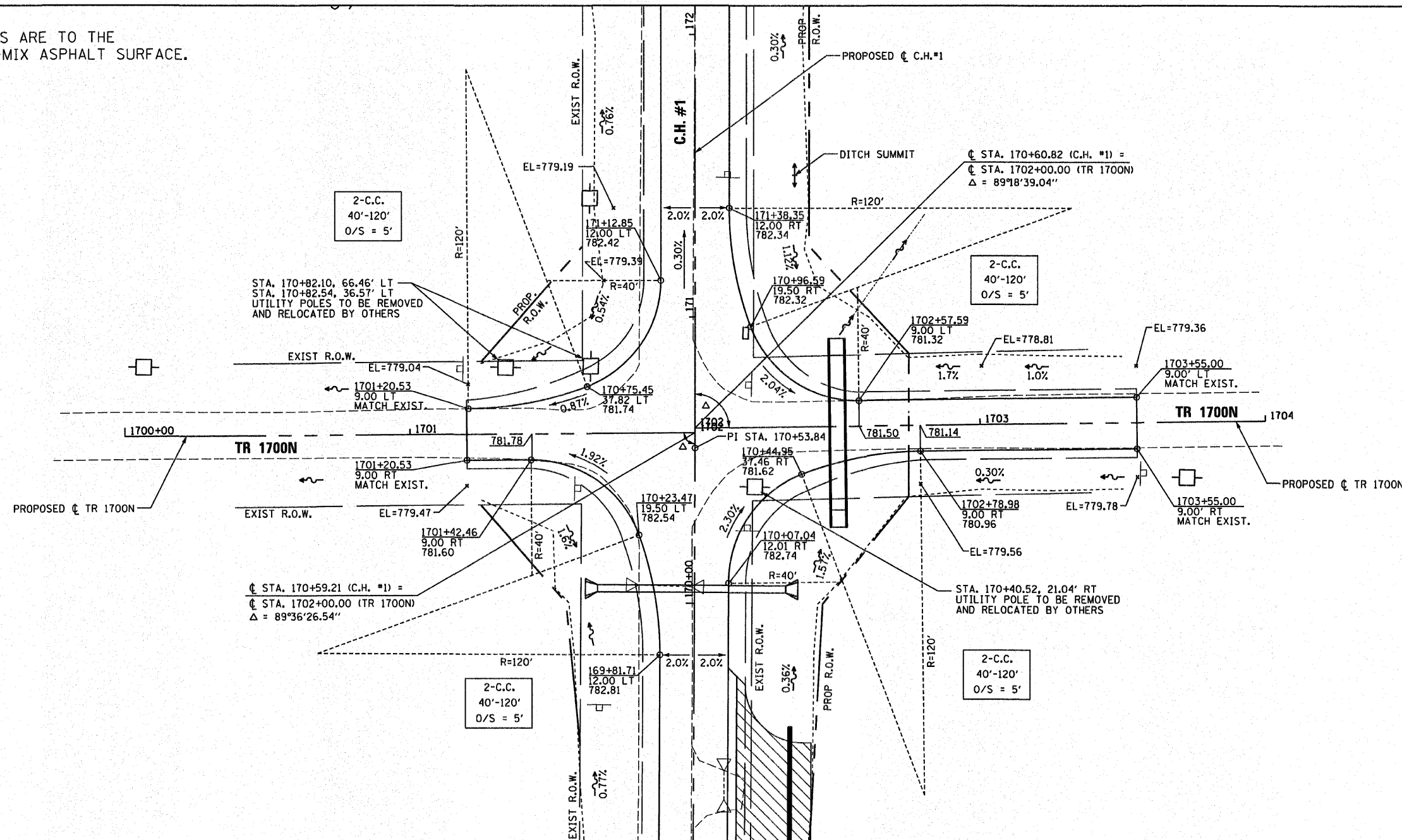
PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

PLOT DATE: 8/24/06
 FILE NAME: 89477-23.DWG
 SCALE: 1" = 5'
 USER: WJH



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	24
STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

NOTE: PROFILE & ELEVATIONS ARE TO THE TOP OF FINISHED HOT-MIX ASPHALT SURFACE.



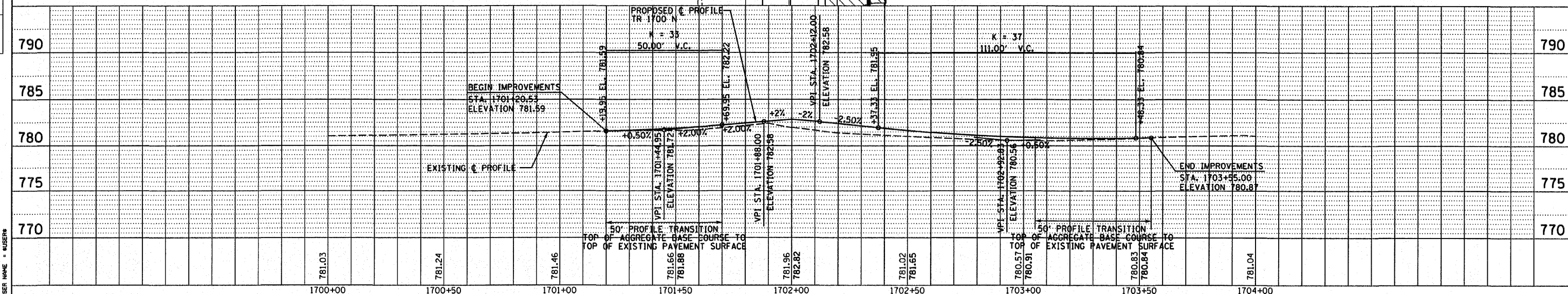
PLAN

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
NO. OF SHEETS	
NO. OF THIS SHEET	
DATE	

PROFILE

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
NO. OF SHEETS	
NO. OF THIS SHEET	
DATE	

PLOT DATE = #DAYS#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#



TR 1700N INTERSECTION DETAIL

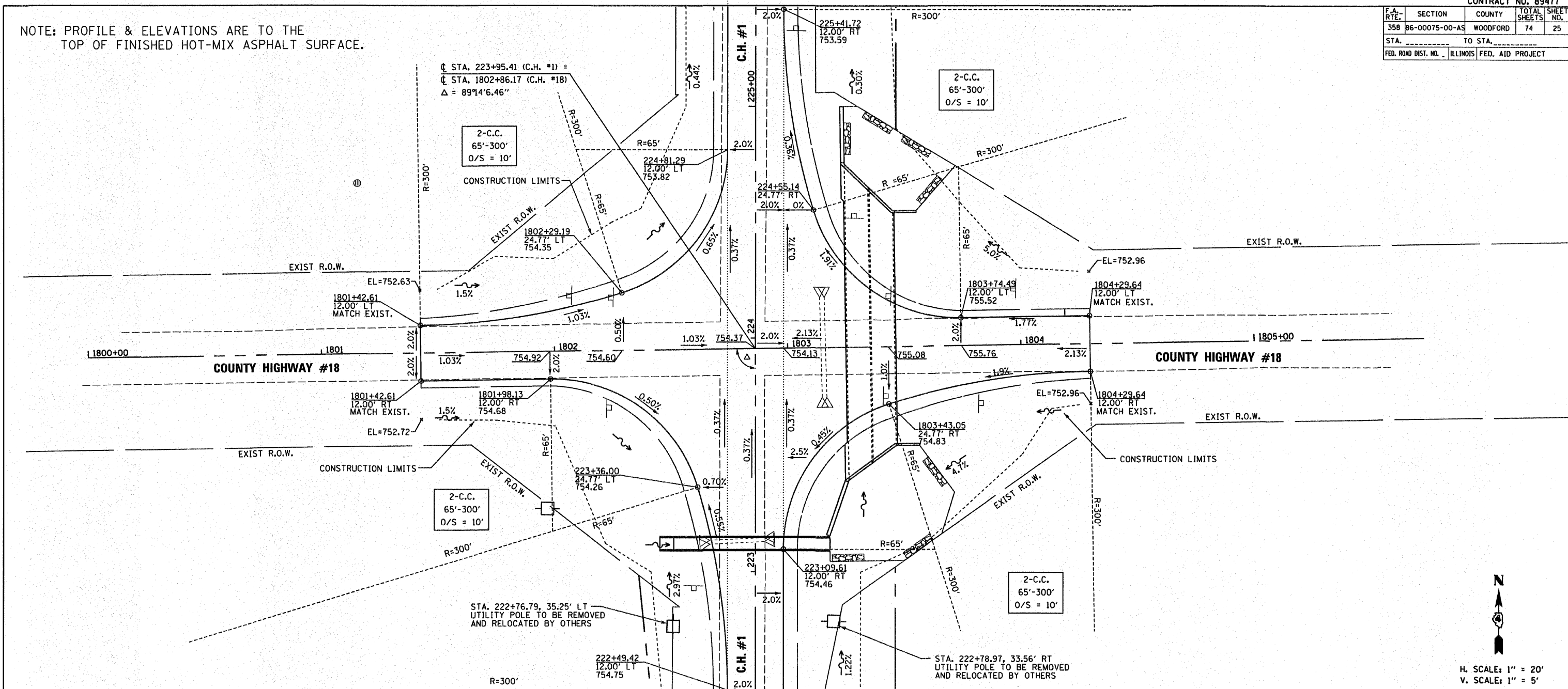
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358	86-00075-00-AS	WOODFORD	74	25
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS		FED. AID PROJECT		

NOTE: PROFILE & ELEVATIONS ARE TO THE TOP OF FINISHED HOT-MIX ASPHALT SURFACE.

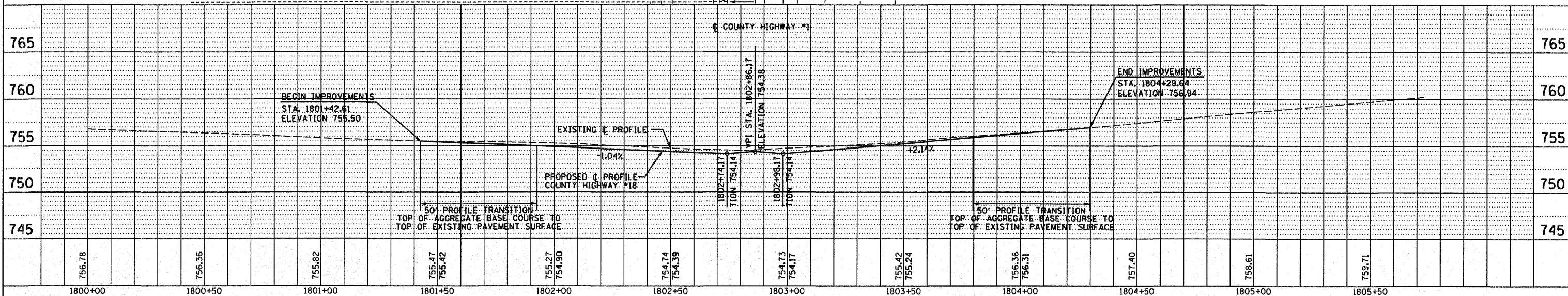
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 BY: _____
 SURVEYED: _____
 PLAN: _____
 CHECKED: _____
 NO. _____

DATE: _____
 BY: _____
 PROFILE: _____
 CHECKED: _____
 NO. _____

DATE: _____
 FILE NAME: _____
 PLOT SCALE: _____
 USER NAME: _____



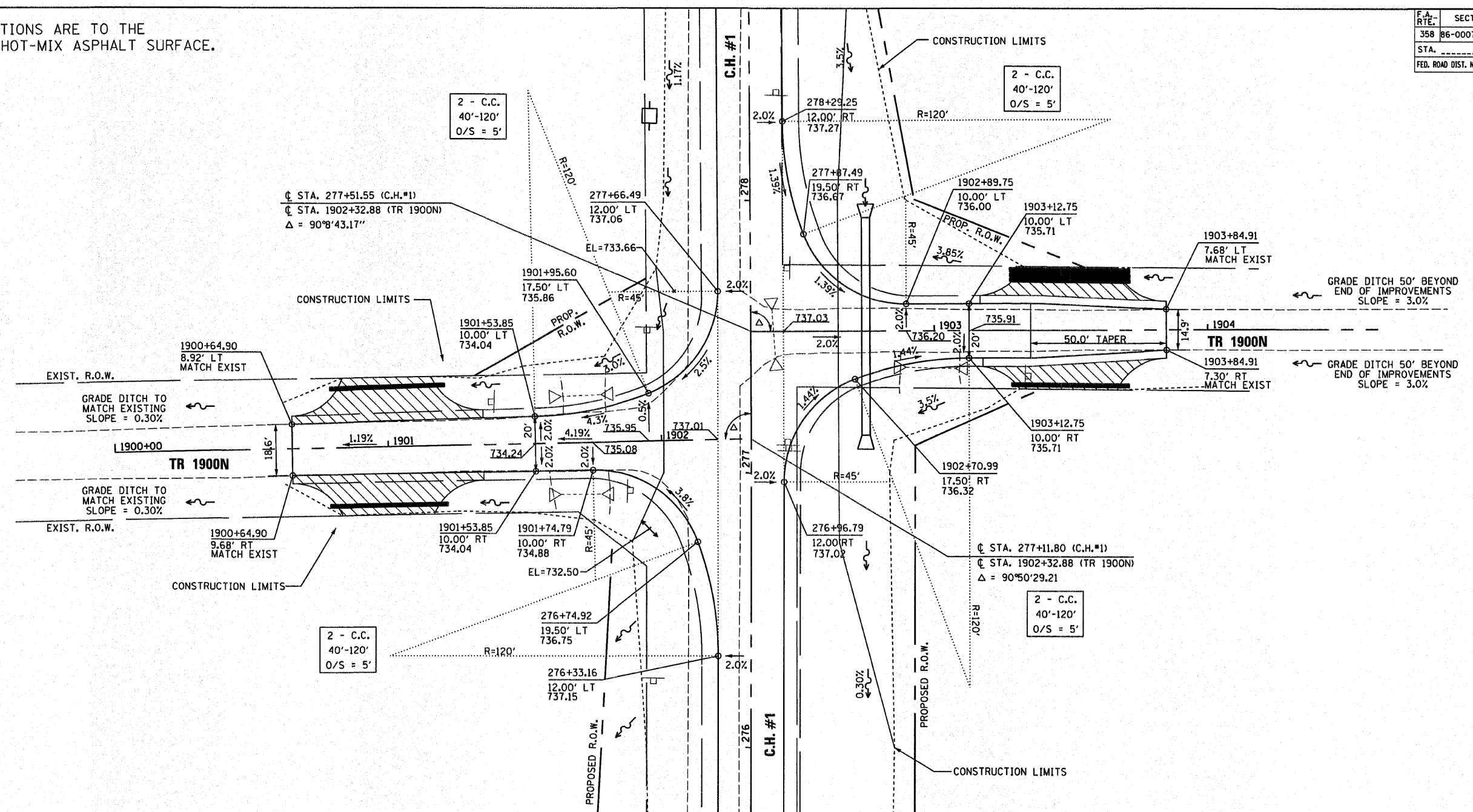
N
 H. SCALE: 1" = 20'
 V. SCALE: 1" = 5'



0017 PNP Sheet 1800N.dwg 4/15/2009 3:32:27 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	26
STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

NOTE: PROFILE & ELEVATIONS ARE TO THE TOP OF FINISHED HOT-MIX ASPHALT SURFACE.

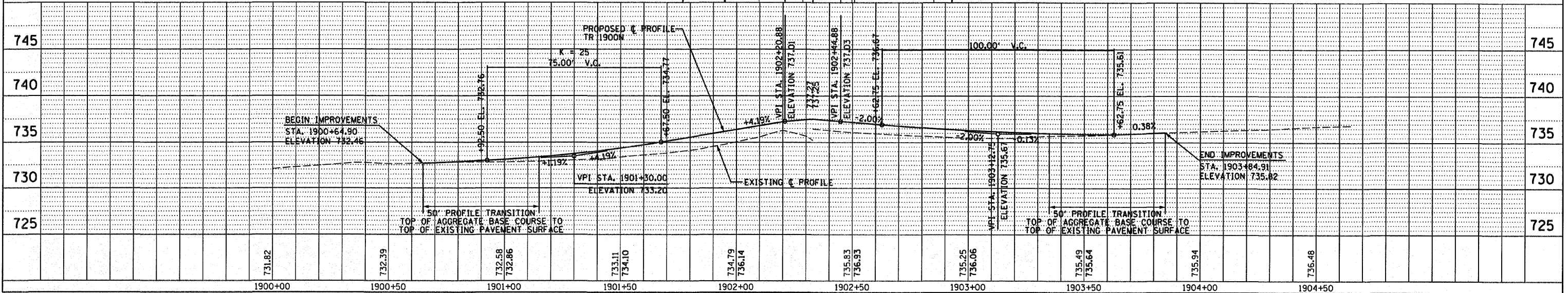


PLAN

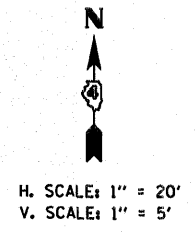
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BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK	
NO. OF MAY CHECKED	
FILE NO.	
NO.	

PROFILE

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK	
NO. OF MAY CHECKED	
FILE NO.	
NO.	



PLOT DATE = 04/15/09
 FILE NAME = 89477.PLS
 PLOT SCALE = 1/4" = 10'
 USER NAME = JWB



F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	27

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

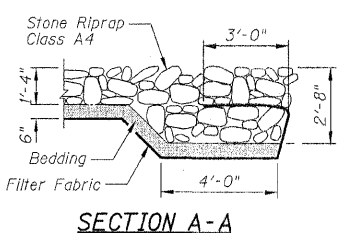
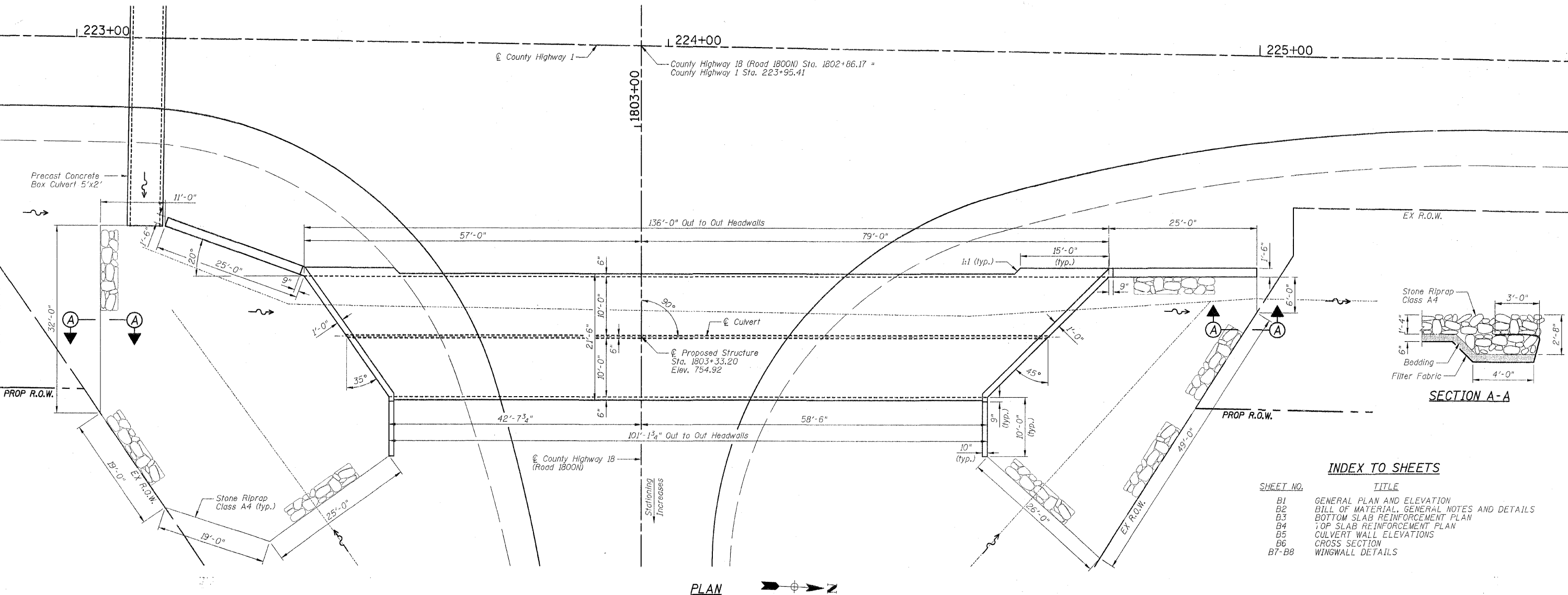
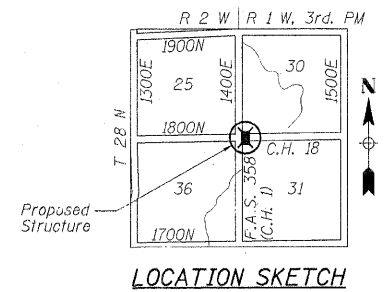
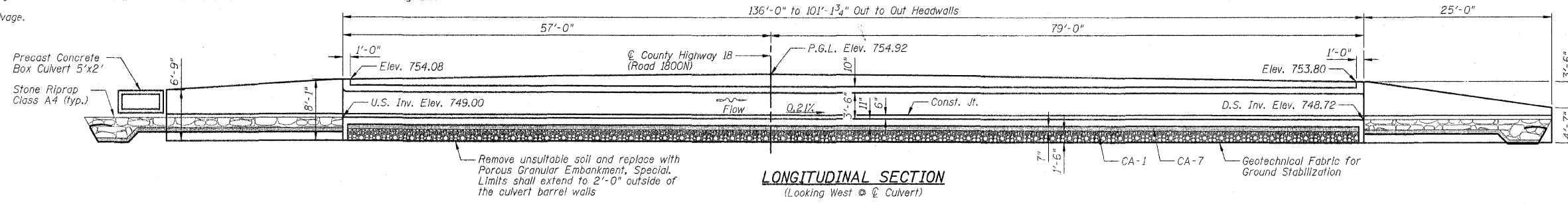
SHEET NO. B1

OF 8 SHEETS

Benchmarks: #22, set railroad spike in power pole @ Sta. 219+75 LT., Elevation = 760.42.
#23, set railroad spike in power pole @ Sta. 228+90 LT., Elevation = 752.45.

Existing Structure: 8.5'x3' double barrel concrete box culvert with headwalls and wingwalls.

No Salvage.



INDEX TO SHEETS

SHEET NO.	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	BILL OF MATERIAL, GENERAL NOTES AND DETAILS
B3	BOTTOM SLAB REINFORCEMENT PLAN
B4	TOP SLAB REINFORCEMENT PLAN
B5	CULVERT WALL ELEVATIONS
B6	CROSS SECTION
B7-B8	WINGWALL DETAILS

NOTE: P.G.L. denotes Profile Grade Line.

DESIGN SPECIFICATIONS
AASHTO 2002
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
CAST IN PLACE CONCRETE (FIELD UNITS)
f'c = 4,000 psi @ 14 days
fy = 60,000 psi (Reinforcement)

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.042
Site Coefficient (S) = 1.0



I certify that to the best of my knowledge, information and belief, this box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.

Mark S. Wylie Date 4/8/09
MARK S. WYLIE
ILLINOIS STRUCTURAL ENGINEER
NO. 081-005002
Exp. Date 11/30/10

REVISIONS	
NAME	DATE

GENERAL PLAN AND ELEVATION
F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035
DESIGNED BY: MSW DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. B2
OF 8 SHEETS

TOTAL BILL OF MATERIAL - BOX CULVERT

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu Yd	234
Porous Granular Embankment, Special	Cu Yd	231
Geotechnical Fabric for Ground Stabilization	Sq Yd	336
Stone Riprap, Class A4	Sq Yd	350
Filter Fabric	Sq Yd	350
Removal Of Existing Structures No. 1	Each	1
Reinforcement Bars	Pound	42,800
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	222.5

GENERAL NOTES

- At least 10'-0" of this culvert barrel shall be poured monolithically with the wingwalls.
- Exposed edges shall be beveled $\frac{3}{4}$ ".
- Optional use of Precast Concrete Box Culverts is not allowed.
- Reinforcement Bars shall conform to the requirements of ASTM A706, Grade 60 (IL Modified). See Special Provision.
- For backfilling and embankment, see Standard Specifications and Roadway Plans.
- It shall be the responsibility of the Contractor to divert the stream flow and any storm sewer flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with "Concrete Box Culverts".
- Contractor to field locate all utilities before starting construction and protect all utilities. Contractor to submit information regarding protecting utilities to the Engineer before starting construction.
- The pay item "Removal And Disposal Of Unsuitable Material" shall include the excavation of unsuitable material for a depth of 2'-0" below the structure for a width of approximately 25'-6" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- The pay item "Porous Granular Embankment, Special" shall include the placement of CA-1 and CA-7 below the structure for a width of 25'-6" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- F.F. denotes Front Face B.F. denotes Back Face E.F. denotes Each Face
- There will be no additional compensation should any reinforcement need to be cut or bent in the field.
- Construction Joints shall be bonded in accordance with Section 503.09 (b) of the Standard Specifications.
- The layout of the channel pavement may be varied in the field to suit ground conditions as directed by the Engineer.
- Minimum bar lap lengths are as follows, unless noted otherwise.

Barrels:	Bar Size	Min. Lap Length	Wingwalls:	Bar Size	Min. Lap Length
	#4	1'-4"		#4	1'-8"
	#5	1'-8"		#5	2'-2"
	#6	2'-0"		#6	2'-7"
	#7	2'-9"		#7	3'-5"
	#8	3'-8"		#8	4'-6"
	#9	4'-7"		#9	5'-9"

STATION 1803+33.20
BUILT 200 BY
WOODFORD COUNTY
F.A.S. RTE. 358
SECTION 86-00075-00-AS
LOADING HS20
STR. NO. 102-5035

NAME PLATE
See Standard 515001

BAR BENDING DIAGRAMS

Bar	a	b	Diagram
d	2'-8"	1'-9"	
h13	9'-8"	3'-0"	
h14	5'-0"	3'-0"	
v	4'-9"	10"	

Bar	a	b	c	Diagram
a	21'-2"	8"	6"	
a3	20'-6"	8"	6"	
a5	21'-0"	8"	6"	

Bar	a	b	c	Diagram
s	1'-4"	9"	4 1/2"	

Bar	a	b	c	d	Diagram
h9	27'-10"	3'-0"	1'-0 1/4"	2'-9 3/4"	
h11	23'-2"	4'-8"	2'-8"	3'-9 3/4"	
h12	18'-6"	3'-0"	1'-0 1/4"	2'-9 3/4"	
h15	9'-1"	3'-0"	1'-8 5/8"	2'-5 1/2"	
h20	23'-8"	3'-9"	2'-7 3/4"	2'-7 3/4"	

Bar	a	b	c	d	e	f	Diagram
s1	11 1/2"	9"	4 1/2"	1'-4"	4 1/2"	4 1/2"	

BAR CUTTING DIAGRAM

BAR	A	B	C	D	E	F	L
a3	19'-5"	1'-1"	19'-5"	1'-1"	1	12	20'-6"
a4	20'-3"	1'-11"	20'-3"	1'-11"	2	12	22'-2"
a5	19'-10"	1'-2"	19'-10"	1'-2"	1	17	21'-0"
a6	20'-5"	1'-9"	20'-5"	1'-9"	2	17	22'-2"
h2	16'-6"	2'-3"	16'-6"	2'-3"	1	28	18'-9"
h3	22'-9"	2'-4"	22'-9"	2'-4"	1	28	25'-1"
v1	7'-9"	6'-5"	7'-9"	6'-5"	1	25	14'-2"
v2	7'-9"	5'-9"	7'-9"	5'-9"	1	10	13'-6"
v4	7'-9"	4'-3"	7'-9"	4'-3"	1	25	12'-0"

Note: "L" dimension does not take into account the hook length for the hooked bars a3 and a5.

BAR LIST

Bar	No.	Size	Length	Shape
a	174	#6	22'-6"	
a1	346	#6	21'-2"	
a2	194	#6	6'-0"	
a3	12	#6	21'-10"	
a4	24	#6	22'-2"	
a5	17	#6	22'-4"	
a6	34	#6	22'-2"	
a7	3	#5	25'-0"	
a8	3	#5	29'-0"	
d	42	#4	4'-5"	
h	232	#5	26'-3"	
h1	290	#5	21'-4"	
h2	28	#5	18'-9"	
h3	28	#5	25'-1"	
h4	4	#5	25'-4"	
h5	4	#5	29'-6"	
h6	24	#4	23'-9"	
h7	24	#4	20'-10"	
h8	16	#4	26'-3"	
h9	6	#6	30'-10"	
h10	11	#6	24'-6"	
h11	5	#6	27'-10"	
h12	6	#6	21'-6"	
h13	8	#6	12'-8"	
h14	8	#6	8'-0"	
h15	8	#6	12'-1"	
h16	6	#6	9'-8"	
h17	6	#6	28'-0"	
h18	4	#6	8'-0"	
h19	5	#6	25'-6"	
h20	5	#6	27'-5"	
h21	12	#6	24'-8"	
h22	6	#6	14'-8"	
s	30	#4	4'-11"	
s1	26	#4	4'-9"	
v	365	#5	5'-7"	
v1	25	#4	14'-2"	
v2	10	#4	13'-6"	
v3	2	#4	7'-3"	
v4	25	#4	12'-0"	

NOTE:

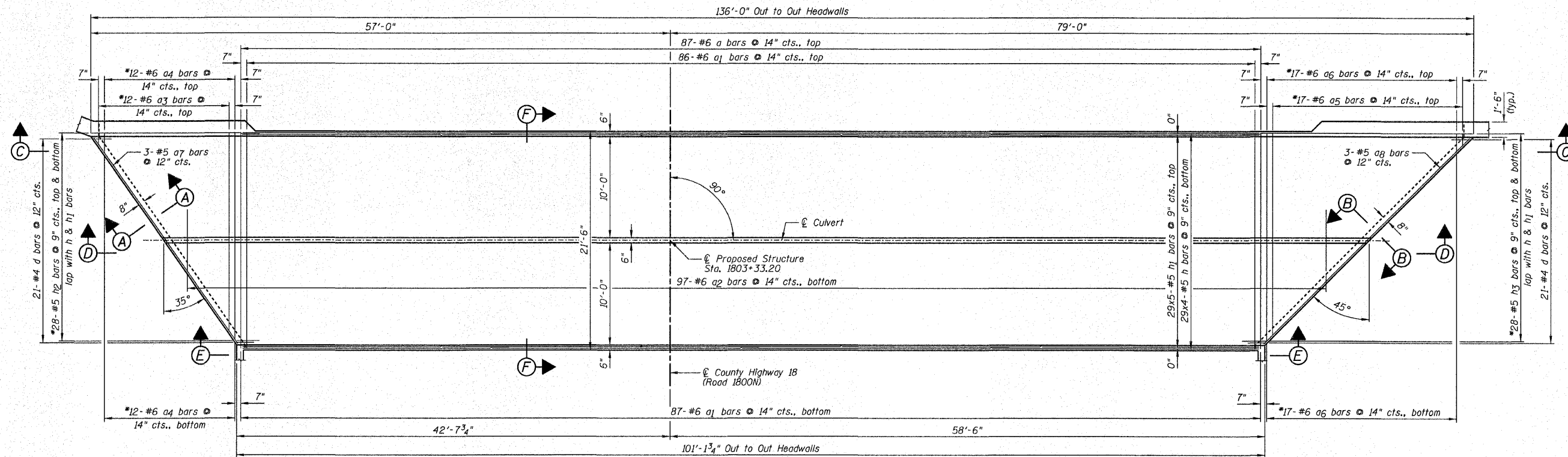
Work this sheet with Sheets B1 and B3-B8.

REVISIONS	NAME	DATE

BILL OF MATERIAL, GENERAL NOTES AND DETAILS
F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

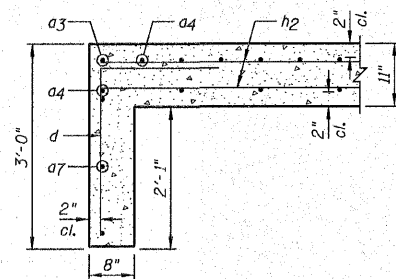
DESIGNED BY: MSW DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

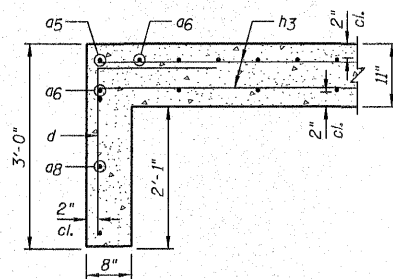


BOTTOM SLAB PLAN

*See Note 2.



SECTION A-A



SECTION B-B

NOTES:

- 1.) Work this sheet with Sheets B1, B2 and B4-B8.
- 2.) Order a3, a4, a5, a6, h2 & h3 bars full length, cut according to the Bar Cutting Diagram on Sheet B2. Use remainder of bars in top slab.
- 3.) For Bill of Material, see Sheet B2.
- 4.) For bar lap length, see the General Notes on Sheet B2.

REVISIONS	
NAME	DATE

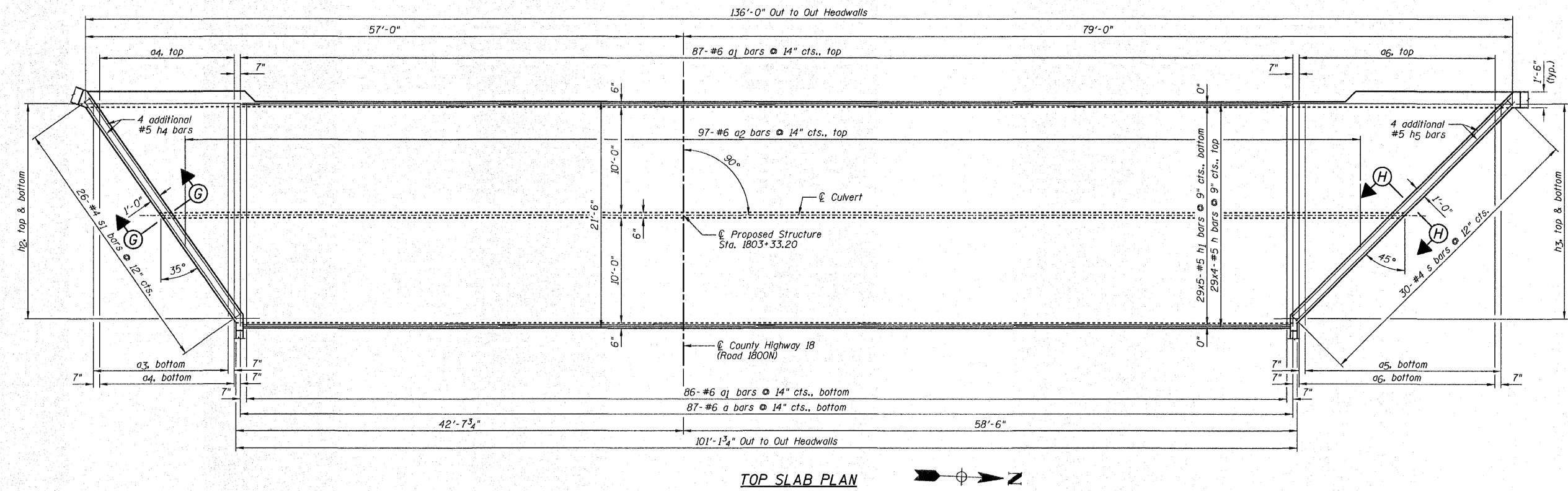
BOTTOM SLAB REINFORCEMENT PLAN

F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

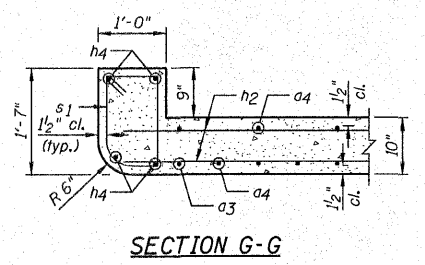
DESIGNED BY: MSW DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW

F.A.S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

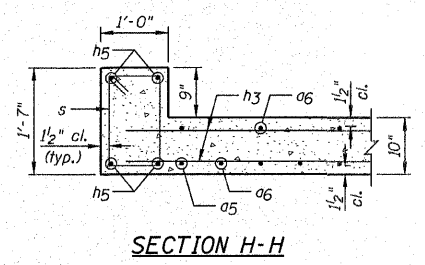
SHEET NO. B4
OF 8 SHEETS



TOP SLAB PLAN



SECTION G-G



SECTION H-H

NOTES:

- 1.) Work this sheet with Sheets B1-B3, B5-B8.
- 2.) For Bill of Material, see Sheet B2.
- 3.) For bar lap length, see the General Notes on Sheet B2.

REVISIONS	
NAME	DATE

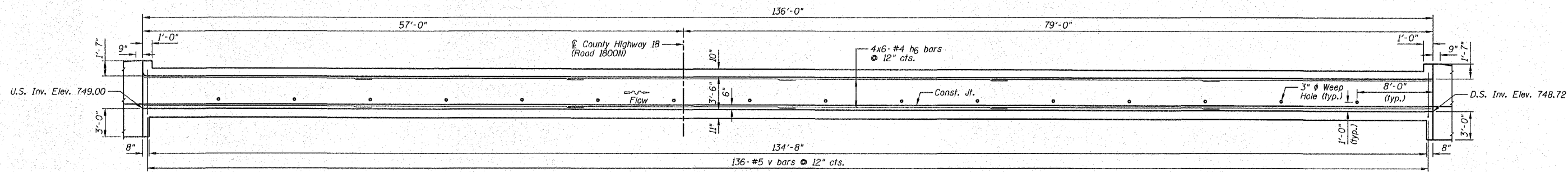
TOP SLAB REINFORCEMENT PLAN

F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

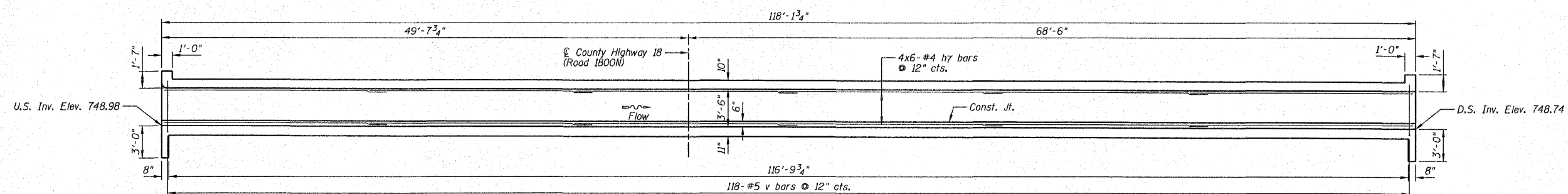
DESIGNED BY: MSW DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

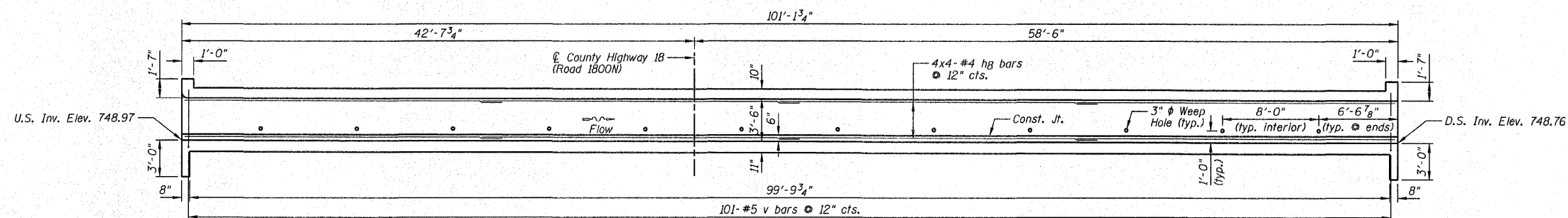
SHEET NO. B5
OF 8 SHEETS



SECTION C-C



SECTION D-D



SECTION E-E

NOTES:

- 1.) Work this sheet with Sheets B1-B3 & B5-B8.
- 2.) For Bill of Material, see Sheet B2.
- 3.) For bar lap length, see the General Notes on Sheet B2.

REVISIONS	
NAME	DATE

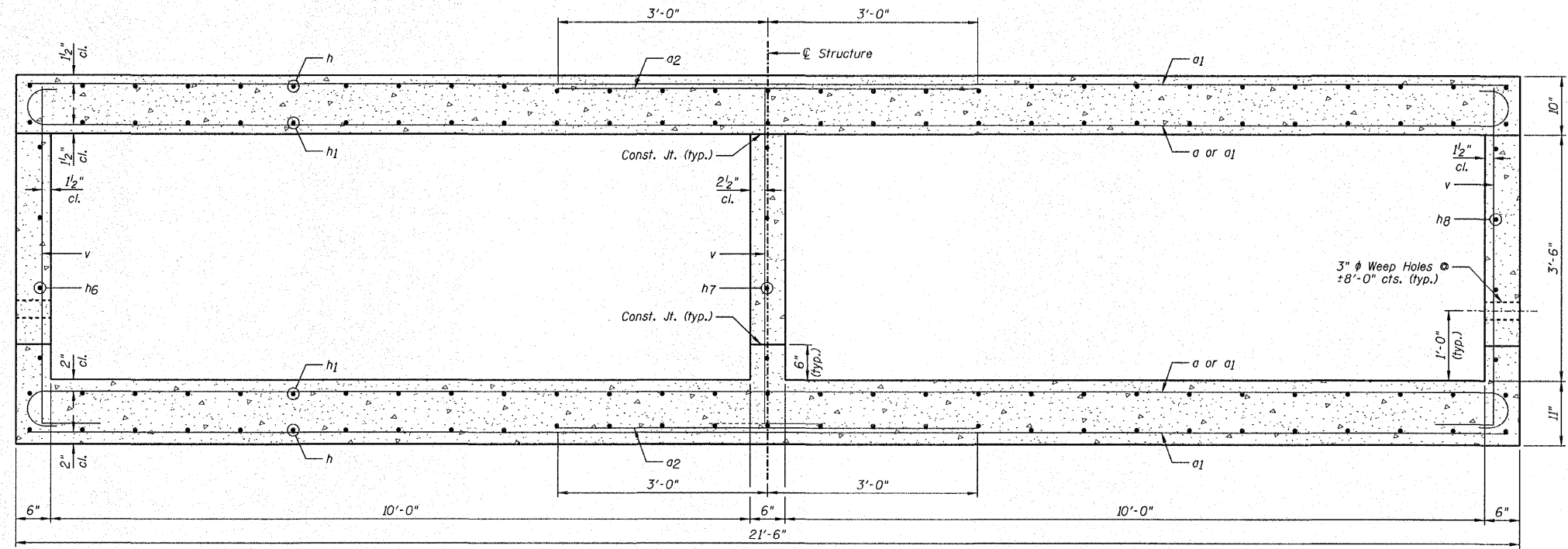
CULVERT WALL ELEVATIONS

F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

DESIGNED BY: MSW
DATE: 04/08/09
DRAWN BY: DJM
CHECKED BY: MSW

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. B6
OF 8 SHEETS



CROSS SECTION (SECTION F-F)

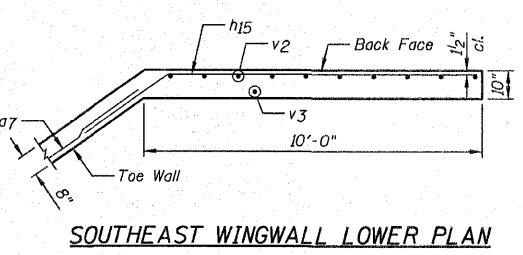
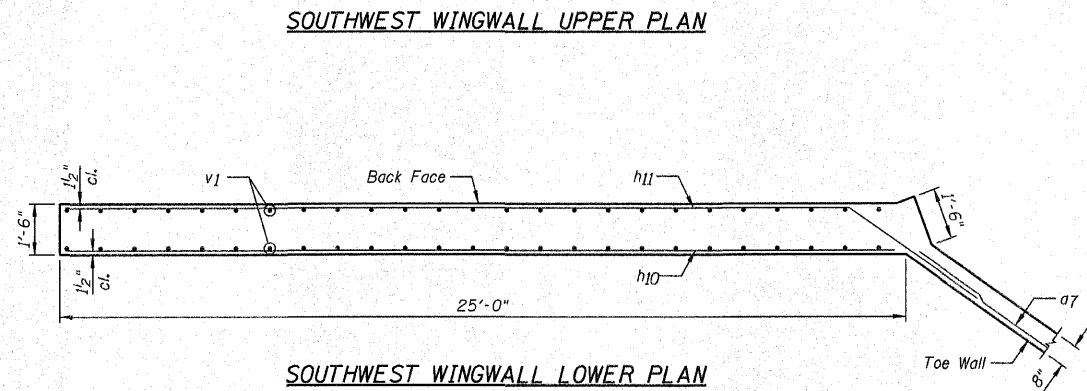
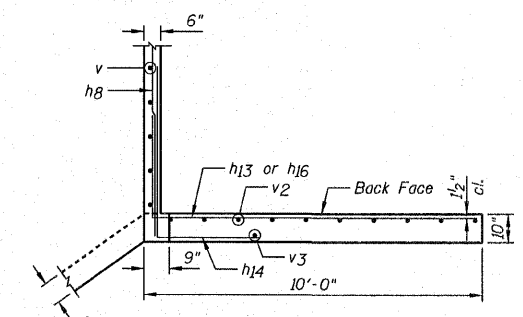
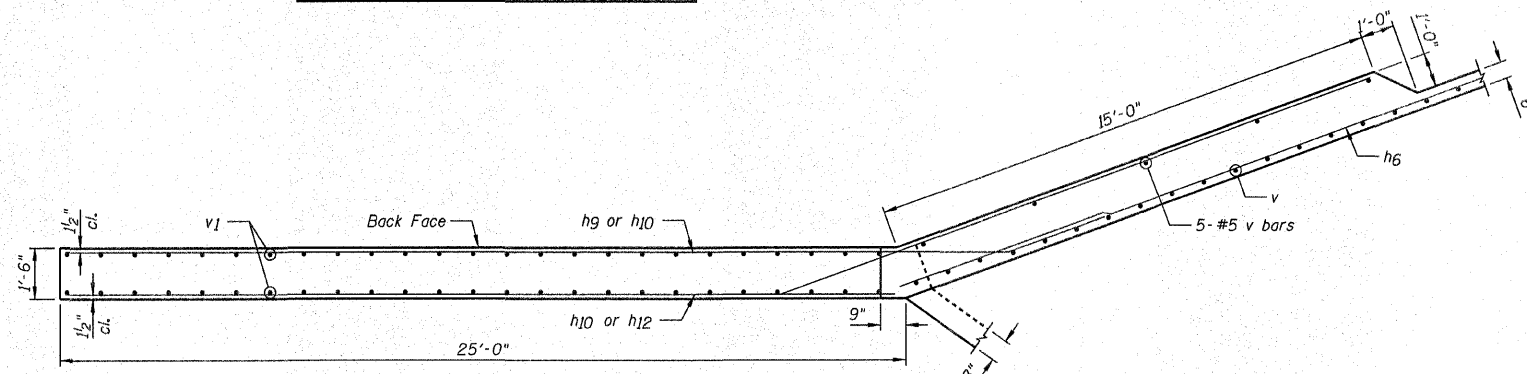
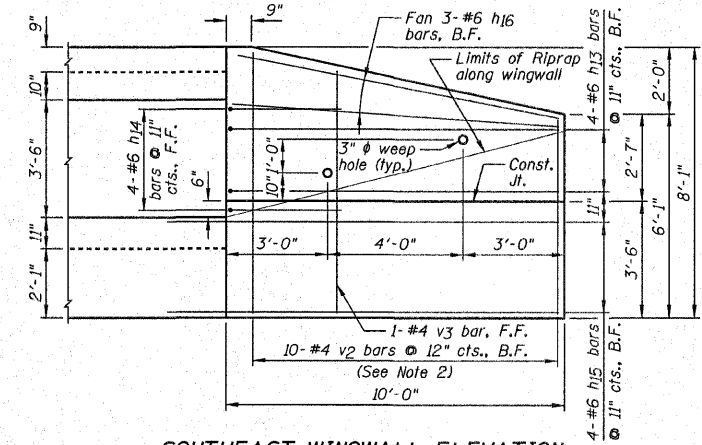
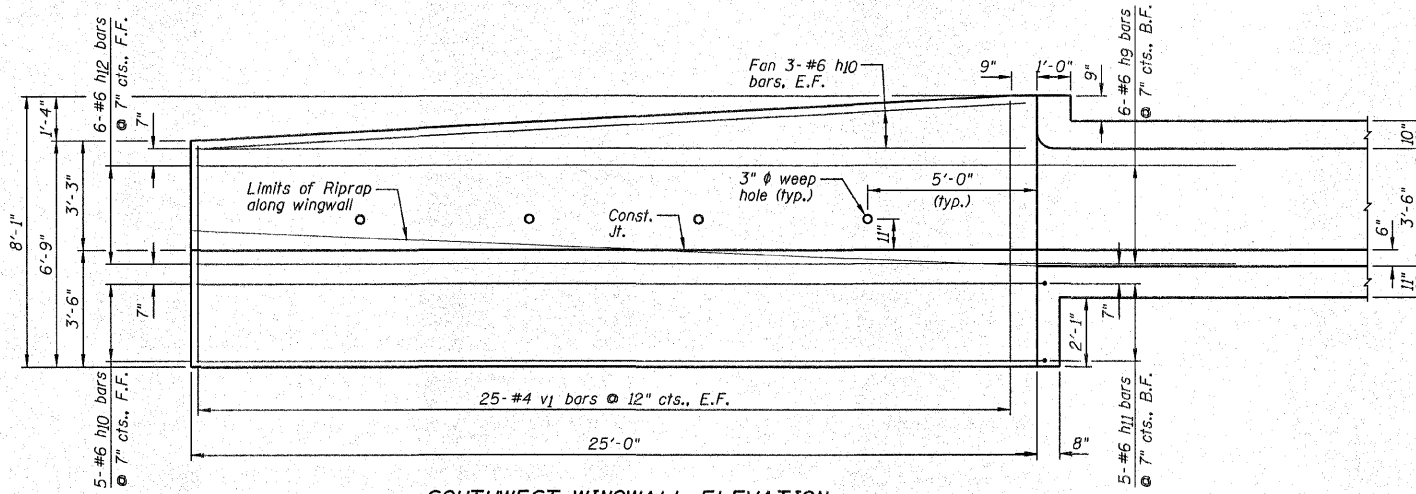
NOTES:

- 1.) Work this sheet with Sheets B1-B5 & B7-B8.
- 2.) For Bill of Material, see Sheet B2.
- 3.) For bar lap length, see the General Notes on Sheet B2.

REVISIONS	
NAME	DATE

CROSS SECTION
 F.A.S. 358 (C.H. 18)
 SECTION 86-00075-00-AS
 WOODFORD COUNTY
 STATION 1803+33.20
 STRUCTURE NO. 102-5035
 DESIGNED BY: MSW DRAWN BY: DJM
 DATE: 04/08/09 CHECKED BY: MSW

F.A.S. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES:**
- 1.) Work this sheet with Sheets B1-B6 & B8.
 - 2.) Order v1 bars and v2 bars full length, cut according to the Bar Cutting Diagram on Sheet B2. Use remainder of v1 bars in opposite face and remainder of v2 bars in the Northeast wingwall.
 - 3.) For Bill of Material, see Sheet B2.
 - 4.) For bar lap length, see the General Notes on Sheet B2.

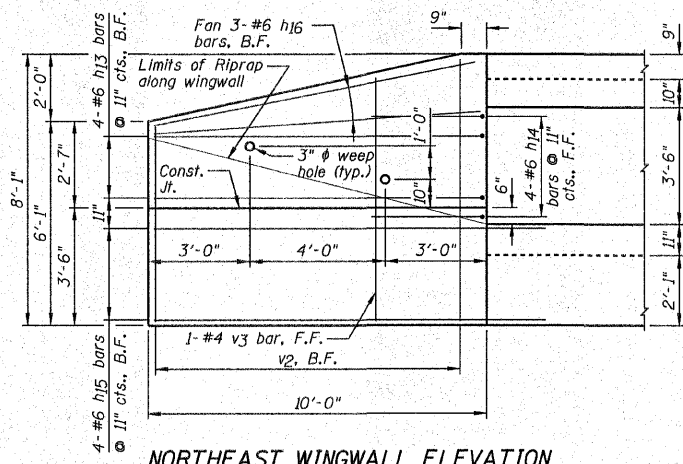
REVISIONS		NAME	DATE
NO.	DESCRIPTION		

WINGWALL DETAILS

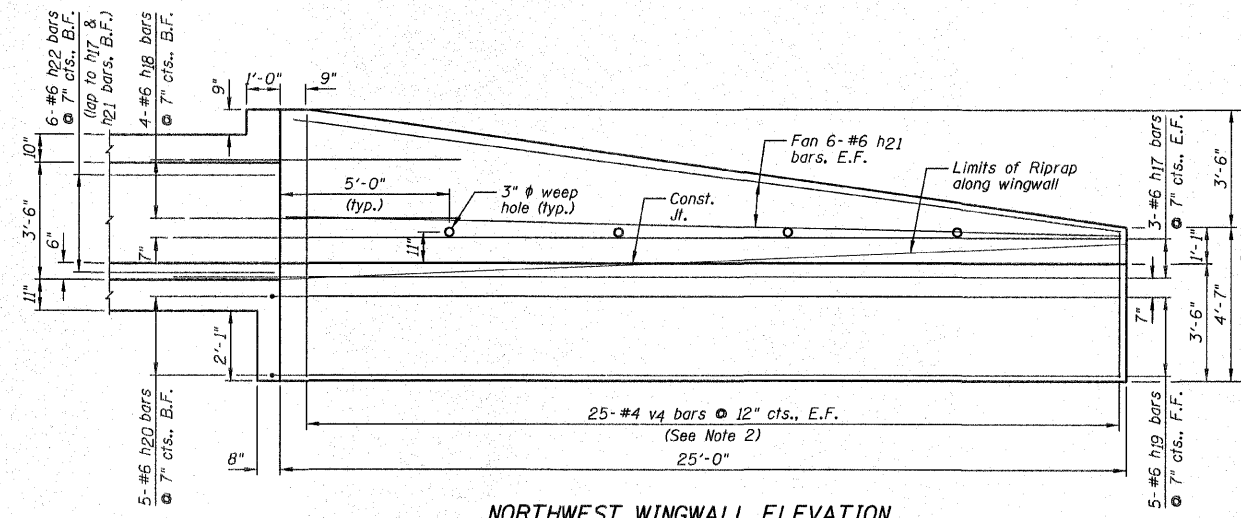
F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

DESIGNED BY: MSW DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW

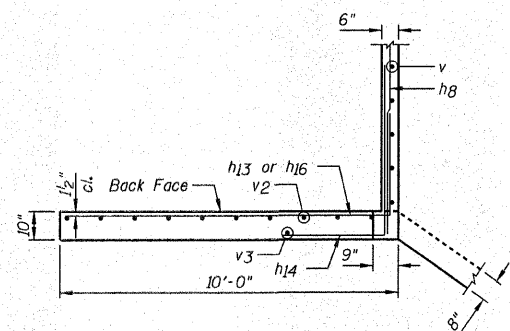
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



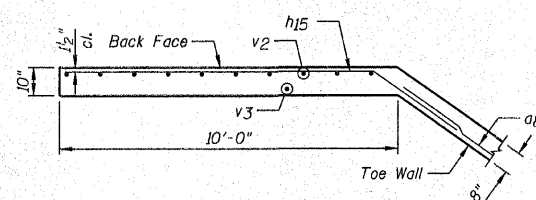
NORTHEAST WINGWALL ELEVATION



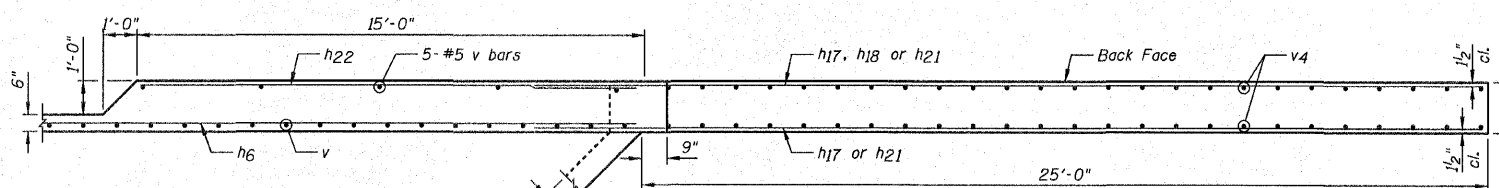
NORTHWEST WINGWALL ELEVATION



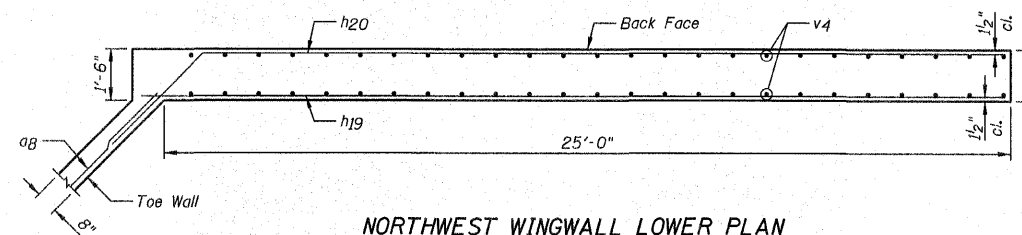
NORTHEAST WINGWALL UPPER PLAN



NORTHEAST WINGWALL LOWER PLAN



NORTHWEST WINGWALL UPPER PLAN



NORTHWEST WINGWALL LOWER PLAN

NOTES:

- 1.) Work this sheet with Sheets B1-B7.
- 2.) Order v4 bars full length, cut according to the Bar Cutting Diagram on Sheet B2. Use remainder of bars in opposite face.
- 3.) For Bill of Material, see Sheet B2.
- 4.) For bar lap length, see the General Notes on Sheet B2.

REVISIONS	
NAME	DATE

WINGWALL DETAILS

F.A.S. 358 (C.H. 18)
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 1803+33.20
STRUCTURE NO. 102-5035

DESIGNED BY: MSW
DATE: 04/08/09
DRAWN BY: DJM
CHECKED BY: MSW

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	35

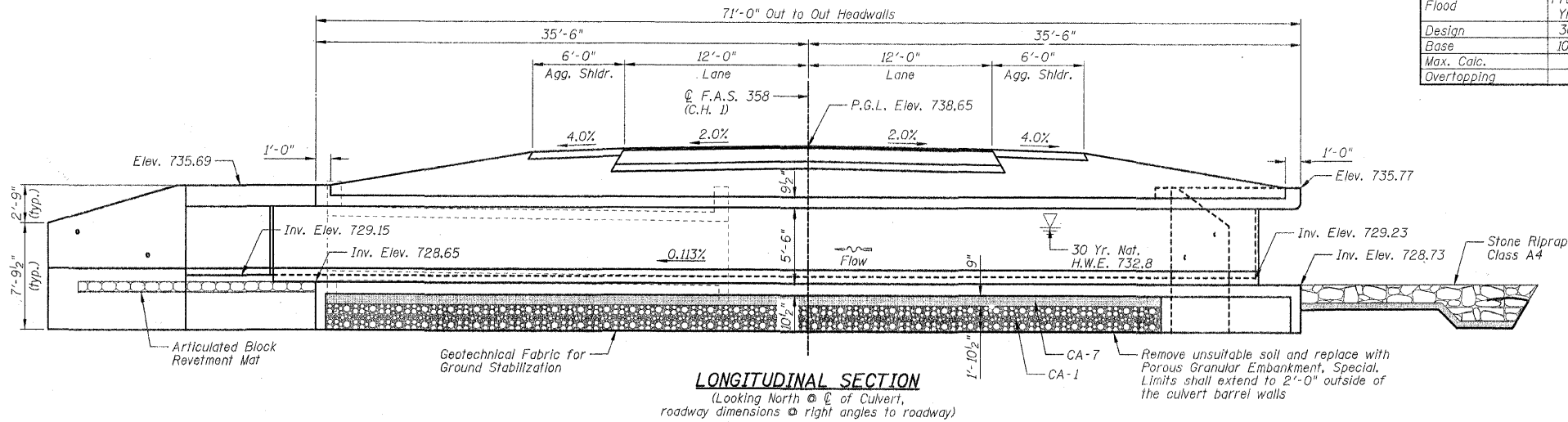
WATERWAY INFORMATION

Drainage Area = 3.5 Sq. Mi.		Low Grade Elev. 737.5 @ Sta. 276+00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Not. Exist.	Not. Prop.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	30	866	48	195	732.8	3.6	0.4	736.4	733.2
Base	100	1162	48	195	733.1	3.5	0.9	736.6	734.0
Max. Calc. Overtopping									

STA. TO STA. ILLINOIS FED. AID PROJECT

SHEET NO. C1
OF 9 SHEETS

Benchmarks: #27, set railroad spike in power pole @ Sta. 269+00 LT., Elevation = 741.14.
#28, set railroad spike in power pole @ Sta. 278+30 LT., Elevation = 737.06.
Existing Structure: 12'x4' single barrel concrete box culvert with headwalls and wingwalls. Length = ±27'-0"
No Salvage.



DESIGN SPECIFICATIONS

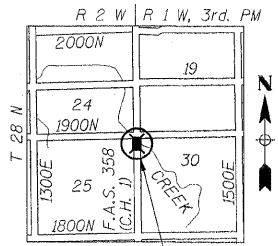
AASHTO 2002
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

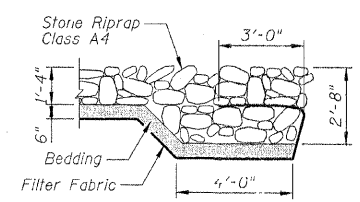
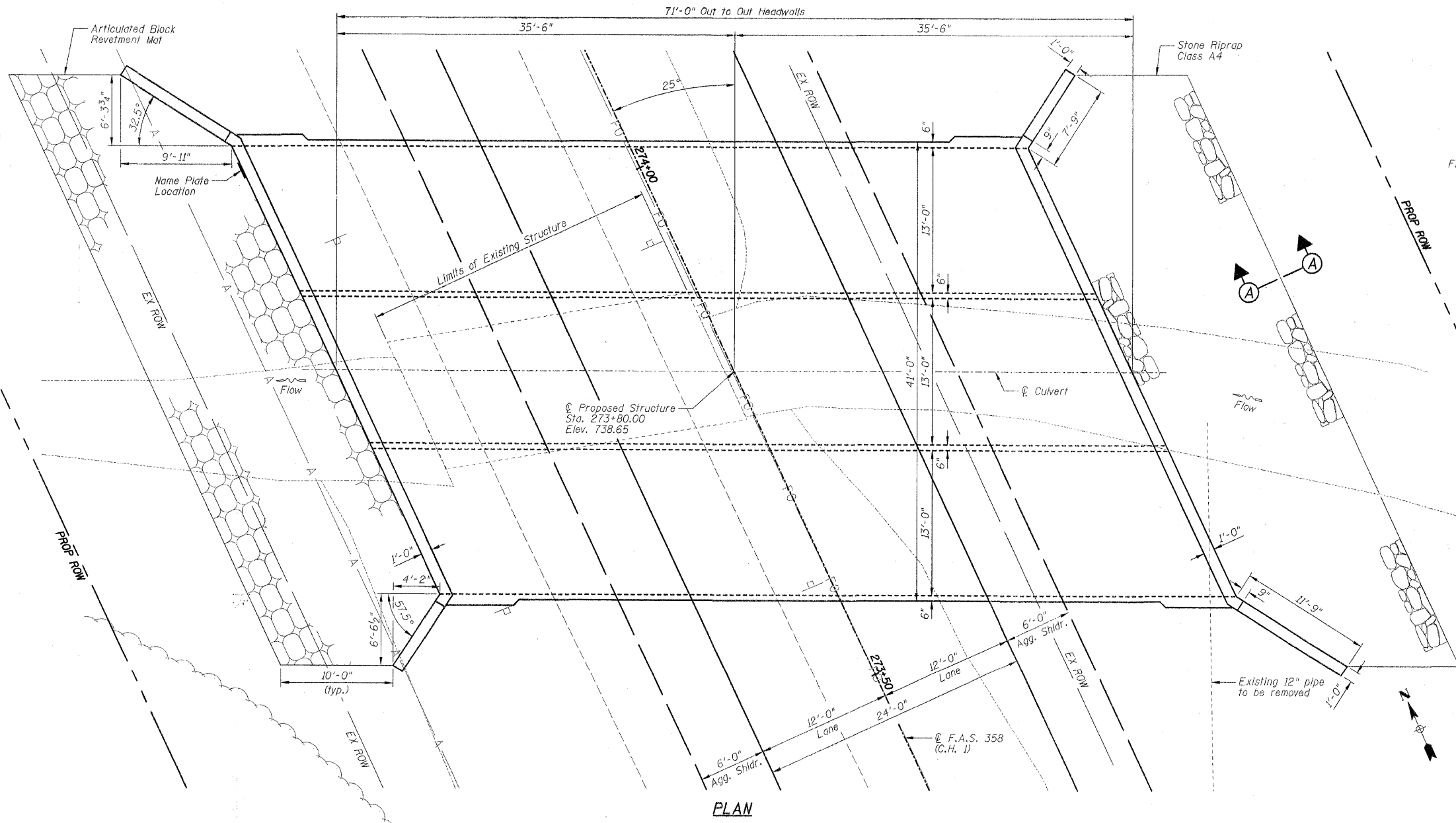
CAST IN PLACE CONCRETE (FIELD UNITS)
f'c = 4,000 psi @ 14 days
fy = 60,000 psi (Reinforcement)

SEISMIC DATA

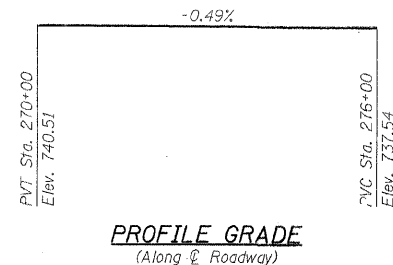
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.042
Site Coefficient (S) = 1.0



LOCATION SKETCH



SECTION A-A

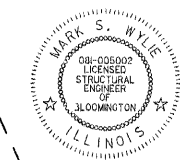


PROFILE GRADE
(Along Centerline of Roadway)

INDEX TO SHEETS

SHEET NO.	TITLE
C1	GENERAL PLAN AND ELEVATION
C2	BILL OF MATERIAL, GENERAL NOTES AND DETAILS
C3	BOTTOM SLAB REINFORCEMENT PLAN
C4	TOP SLAB REINFORCEMENT PLAN
C5	CULVERT WALL ELEVATIONS
C6	CROSS SECTION
C7	WINGWALL DETAILS
C8-C9	JUNCTION BOX DETAILS

I certify that to the best of my knowledge, information and belief, this box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.



Mark S. Wylie Date 4/8/09
MARK S. WYLIE
ILLINOIS STRUCTURAL ENGINEER
NO. 081-005002
Exp. Date 11/30/10

NOTE:

P.G.L. denotes Profile Grade Line.

REVISIONS	NAME	DATE

GENERAL PLAN AND ELEVATION
F.A.S. 358 (C.H. 1) OVER UNNAMED TRIBUTARY TO RICHLAND CREEK
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 273+80.00 STRUCTURE NO. 102-5034
DESIGNED BY: BJR DRAWN BY: DJM
DATE: 04/08/09 CHECKED BY: MSW/JML

TOTAL BILL OF MATERIAL - BOX CULVERT

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu Yd	352
Porous Granular Embankment, Special	Cu Yd	345
Geotechnical Fabric for Ground Stabilization	Sq Yd	355
Stone Riprap, Class A4	Sq Yd	96
Filter Fabric	Sq Yd	96
Articulated Block Revetment Mat	Sq Yd	96
Removal Of Existing Structures No. 2	Each	1
Reinforcement Bars	Pound	52,690
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	233.0

GENERAL NOTES

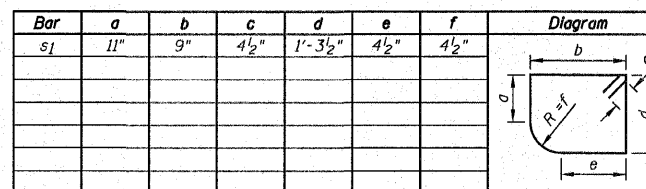
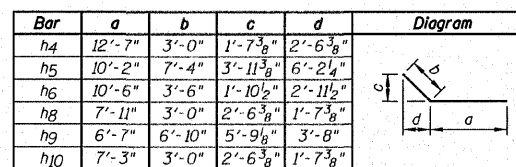
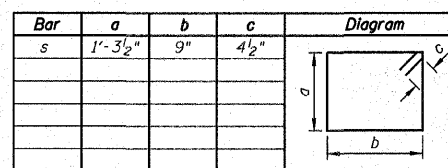
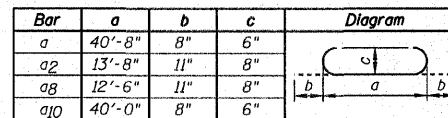
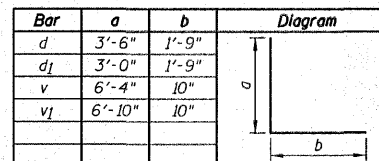
- At least 10'-0" of this culvert barrel shall be poured monolithically with the wingwalls.
- Exposed edges shall be beveled 1/4".
- Optional use of Precast Concrete Box Culverts is not allowed.
- Reinforcement Bars shall conform to the requirements of ASTM A706, Grade 60 (IL Modified). See Special Provision.
- For backfilling and embankment, see Standard Specifications and Roadway Plans.
- It shall be the responsibility of the Contractor to divert the stream flow and any storm sewer flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with "Concrete Box Culverts".
- Contractor to field locate all utilities before starting construction and protect all utilities. Contractor to submit information regarding protecting utilities to the Engineer before starting construction.
- The pay item "Removal And Disposal Of Unsuitable Material" shall include the excavation of unsuitable material for a depth of 3'-1 1/2" (max.) below the structure for a width of approximately 45'-0" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- The pay item "Porous Granular Embankment, Special" shall include the placement of CA-1 and CA-7 below the structure for a width of 45'-0" within the limits of the toe walls as shown on the plans. The actual amount shall be determined in the field by the Engineer.
- F.F. denotes Front Face, B.F. denotes Back Face, E.F. denotes Each Face.
- There will be no additional compensation should any reinforcement need to be cut or bent in the field.
- Construction Joints shall be bonded in accordance with Section 503.09 (b) of the Standard Specifications.
- The layout of the channel pavement may be varied in the field to suit ground conditions as directed by the Engineer.
- Minimum bar lap lengths are as follows, unless noted otherwise.

Barrels:	Bar Size	Min. Lap Length	Wingwalls:	Bar Size	Min. Lap Length
	#4	1'-4"		#4	1'-8"
	#5	1'-8"		#5	2'-2"
	#6	2'-0"		#6	2'-7"
	#7	2'-9"		#7	3'-5"
	#8	3'-8"		#8	4'-6"
	#9	4'-7"		#9	5'-9"
- Supplier of Articulated Block Revetment Mat to certify installation in accordance with manufacturer's recommendations.

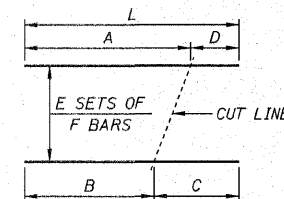
STATION 273+80.00
BUILT 200... BY
WOODFORD COUNTY
F.A.S. RTE. 358
SECTION 86-00075-00-AS
LOADING HS20
STR. NO. 102-5034

NAME PLATE
See Standard 515001

BAR BENDING DIAGRAMS



BAR CUTTING DIAGRAM



BAR	A	B	C	D	E	F	L
a7	11'-9"	3'-3"	11'-9"	3'-3"	3	3	15'-0"
a8	11'-3"	1'-3"	11'-3"	1'-3"	3	5	12'-6"
a9	12'-6"	2'-6"	12'-6"	2'-6"	3	5	15'-0"
aj0	38'-9"	1'-3"	38'-9"	1'-3"	1	22	40'-0"
aj1	39'-7"	2'-1"	39'-7"	2'-1"	1	22	41'-8"
aj2	20'-3"	2'-4"	20'-3"	2'-4"	1	11	22'-7"
aj3	38'-9"	1'-3"	38'-9"	1'-3"	1	22	40'-0"
v2	10'-0"	7'-6"	10'-0"	7'-6"	2	8	17'-6"
v3	10'-0"	7'-6"	10'-0"	7'-6"	2	5	17'-6"

Note: "L" dimension does not take into account the hook length for the hooked bars ag and aj0.

BAR LIST

Bar	No.	Size	Length	Shape
a	63	#6	42'-0"	—
a1	62	#6	40'-8"	—
a2	168	#8	15'-6"	—
a3	165	#8	13'-8"	—
a4	63	#6	40'-8"	—
a5	72	#6	20'-6"	—
a6	96	#4	13'-8"	—
a7	9	#4	15'-0"	—
a8	15	#8	14'-4"	—
a9	15	#8	15'-0"	—
aj0	22	#6	41'-4"	—
aj1	22	#6	41'-8"	—
aj2	11	#6	22'-7"	—
aj3	22	#6	40'-0"	—
aj4	6	#5	43'-10"	—
d	56	#4	5'-3"	—
d1	26	#4	4'-9"	—
h	168	#5	36'-2"	—
h1	252	#5	24'-8"	—
h2	60	#5	24'-8"	—
h3	8	#5	45'-0"	—
h4	12	#6	15'-7"	—
h5	6	#4	17'-6"	—
h6	10	#6	14'-0"	—
h7	14	#4	11'-5"	—
h8	12	#6	10'-11"	—
h9	6	#4	13'-5"	—
h10	10	#6	10'-3"	—
h11	14	#4	7'-5"	—
s	45	#4	4'-10"	—
s1	45	#4	4'-8"	—
v	154	#5	7'-2"	—
v1	142	#5	7'-8"	—
v2	16	#4	17'-6"	—
v3	10	#4	17'-6"	—

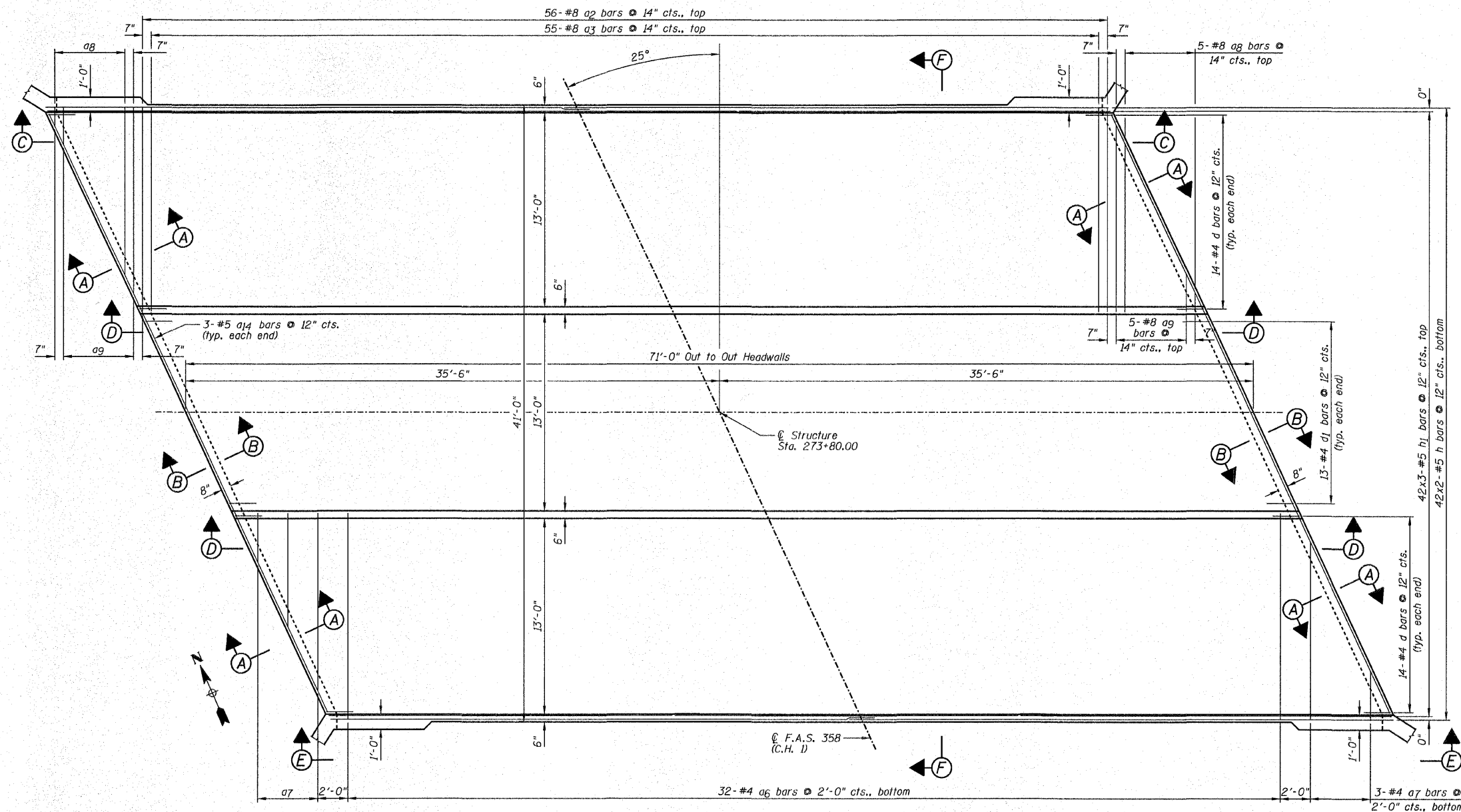
NOTE:

Work this sheet with Sheets C1 and C3-C7.

REVISIONS	
NAME	DATE

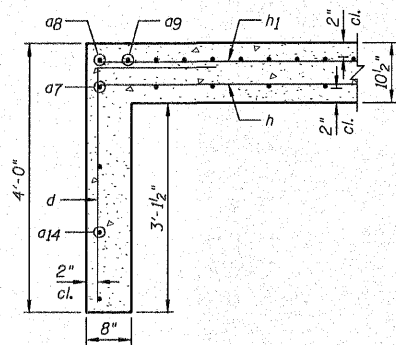
BILL OF MATERIAL, GENERAL NOTES AND DETAILS
F.A.S. 358 (C.H. 1) OVER UNNAMED TRIBUTARY TO RICHLAND CREEK
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 273+80.00 STRUCTURE NO. 102-5034
DESIGNED BY: BJR
DATE: 04/08/09
DRAWN BY: DJM
CHECKED BY: MSW/JML

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

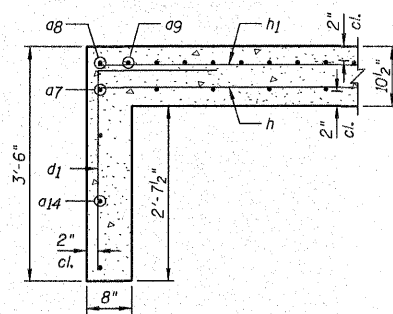


BOTTOM SLAB PLAN

a2, a3 & a6 thru a9 bars typical for middle slab.



SECTION A-A



SECTION B-B

NOTES:

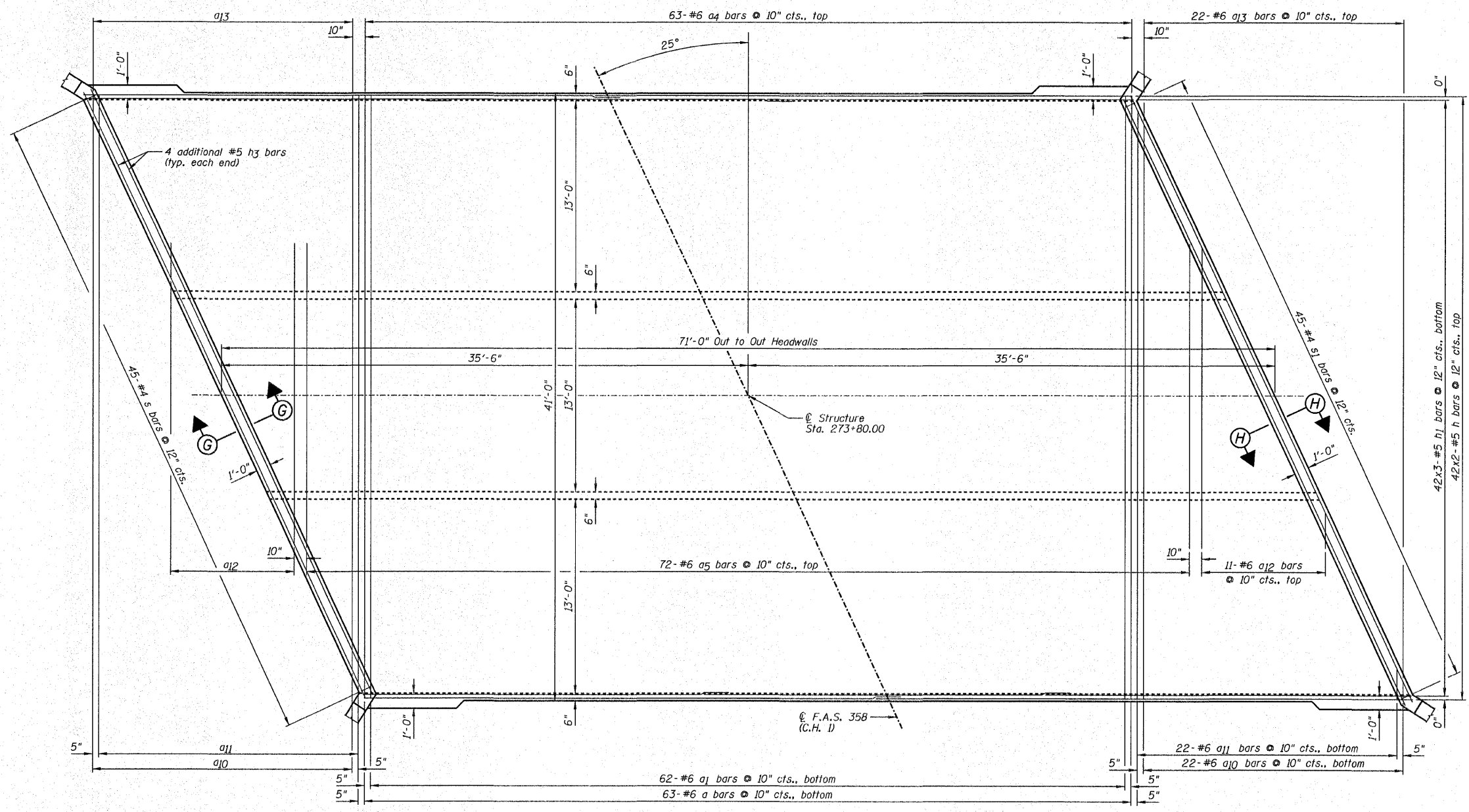
- 1.) Work this sheet with Sheets C1, C2 and C4-C6.
- 2.) Order a7, a8, a9 bars full length, cut according to the Bar Cutting Diagram on Sheet C2. Use remainder of bars in opposite end.
- 3.) For Bill of Material, see Sheet C2.
- 4.) For bar lap length, see the General Notes on Sheet C2.

REVISIONS	
NAME	DATE

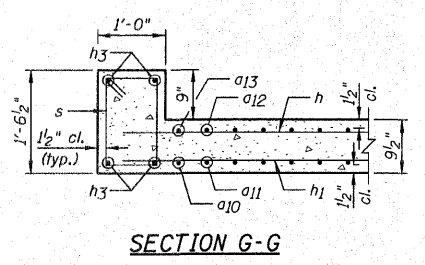
BOTTOM SLAB REINFORCEMENT PLAN
 F.A.S. 358 (C.H. 1) OVER UNNAMED
 TRIBUTARY TO RICHLAND CREEK
 SECTION 86-00075-00-AS
 WOODFORD COUNTY
 STATION 273+80.00 STRUCTURE NO. 102-5034
 DESIGNED BY: BJR DRAWN BY: DJM
 DATE: 04/08/09 CHECKED BY: MSW/JML

F.A.S. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	38
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

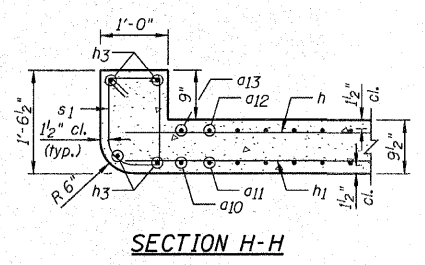
SHEET NO. C4
OF 9 SHEETS



TOP SLAB PLAN



SECTION G-G



SECTION H-H

NOTES:

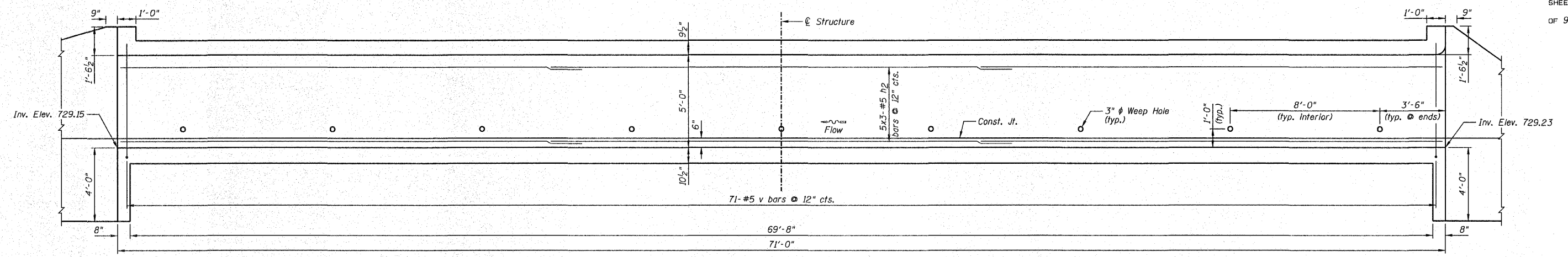
- 1.) Work this sheet with Sheets C1-C3, C5 & C6.
- 2.) Order a10, a11, a12, a13 bars full length, cut according to the Bar Cutting Diagram on Sheet C2. Use remainder of bars in opposite end.
- 3.) For Bill of Material, see Sheet C2.
- 4.) For bar lap length, see the General Notes on Sheet C2.

REVISIONS	
NAME	DATE

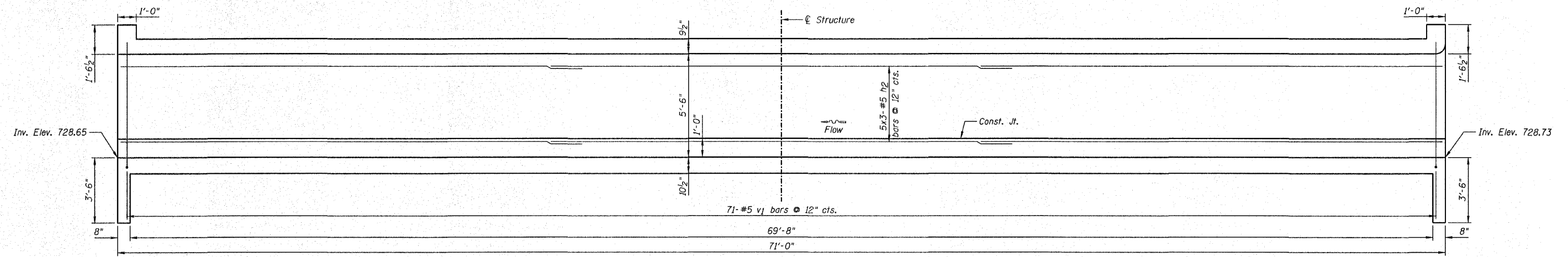
TOP SLAB REINFORCEMENT PLAN
 F.A.S. 358 (C.H. 1) OVER UNNAMED
 TRIBUTARY TO RICHLAND CREEK
 SECTION 86-00075-00-AS
 WOODFORD COUNTY
 STATION 273+80.00 STRUCTURE NO. 102-5034
 DESIGNED BY: BJR DRAWN BY: DJM
 DATE: 04/08/09 CHECKED BY: MSW/JML

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

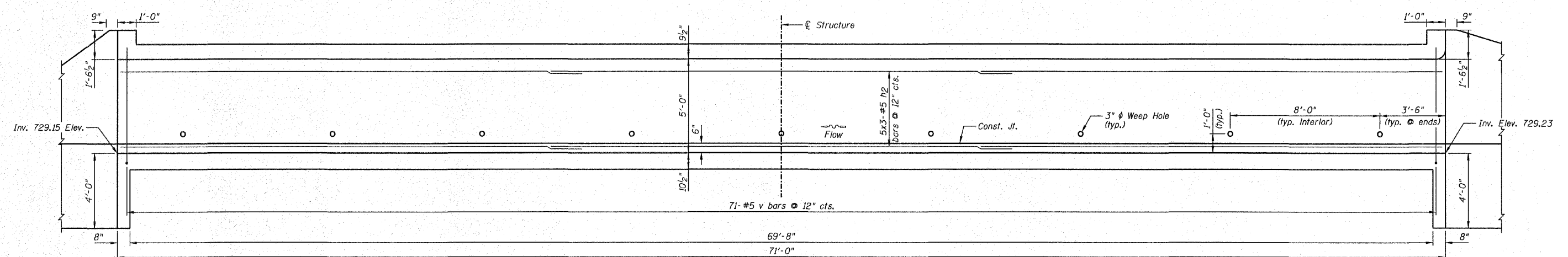
SHEET NO. C5
OF 9 SHEETS



SECTION C-C



SECTION D-D



SECTION E-E

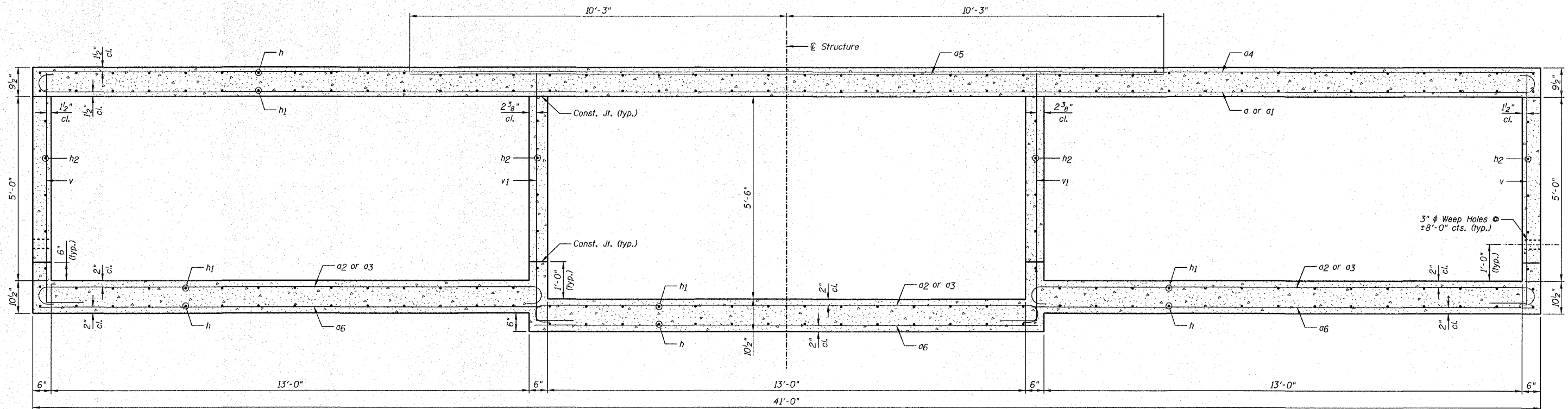
- NOTES:**
- 1.) Work this sheet with Sheets C1, C2 & C6.
 - 2.) For Bill of Material, see Sheet C2.
 - 3.) For bar lap length, see the General Notes on Sheet C2.

REVISIONS	
NAME	DATE

CULVERT WALL ELEVATIONS
 F.A.S. 358 (C.H. 1) OVER UNNAMED
 TRIBUTARY TO RICHLAND CREEK
 SECTION 86-00075-00-AS
 WOODFORD COUNTY
 STATION 273+80.00 STRUCTURE NO. 102-5034
 DESIGNED BY: BJR DRAWN BY: DJM
 DATE: 04/08/09 CHECKED BY: MSW/JML

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	40
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. C6
OF 9 SHEETS



CROSS SECTION (SECTION F-F)

NOTES:

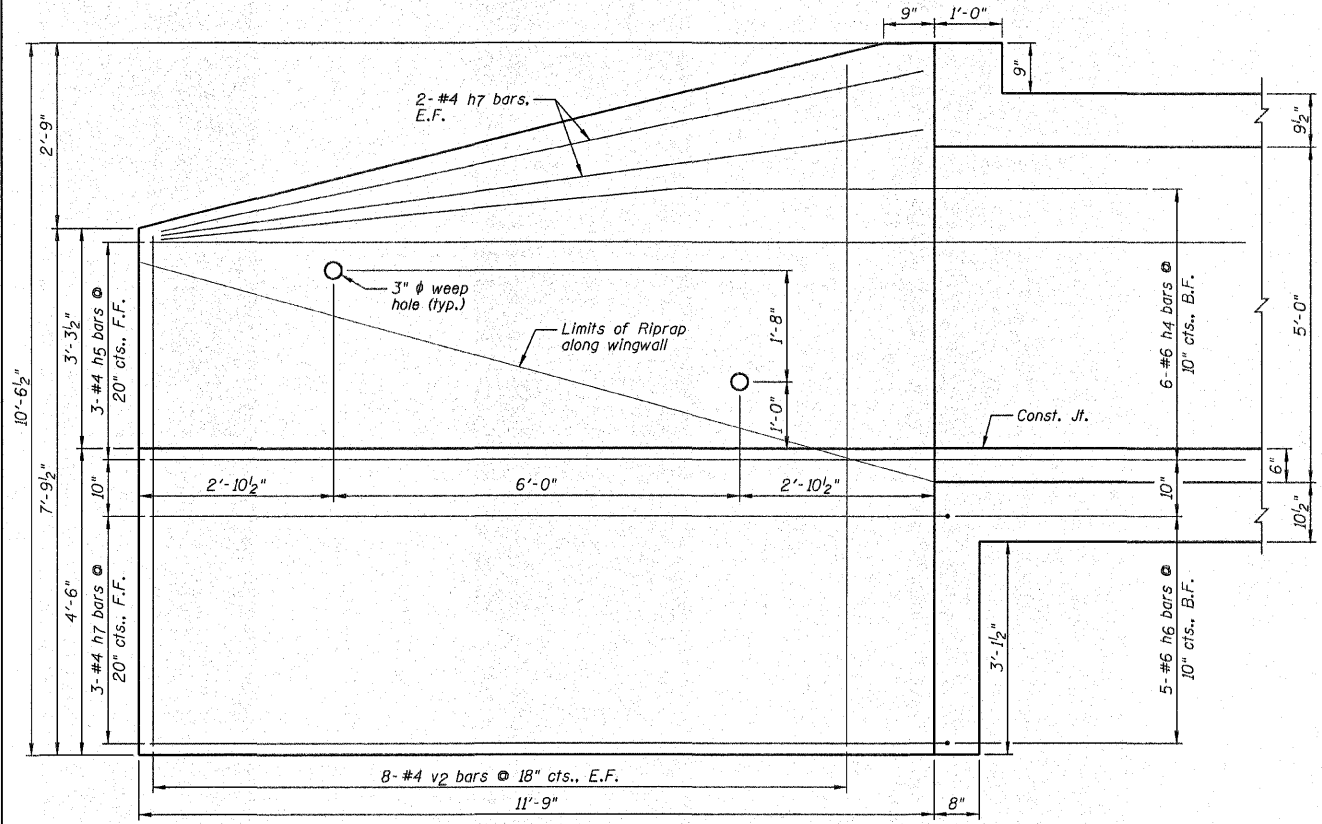
- 1.) Work this sheet with Sheets C1-C5.
- 2.) For Bill of Material, see Sheet C2.
- 3.) For bar lap length, see the General Notes on Sheet C2.

REVISIONS		NAME	DATE
NO.	DESCRIPTION		

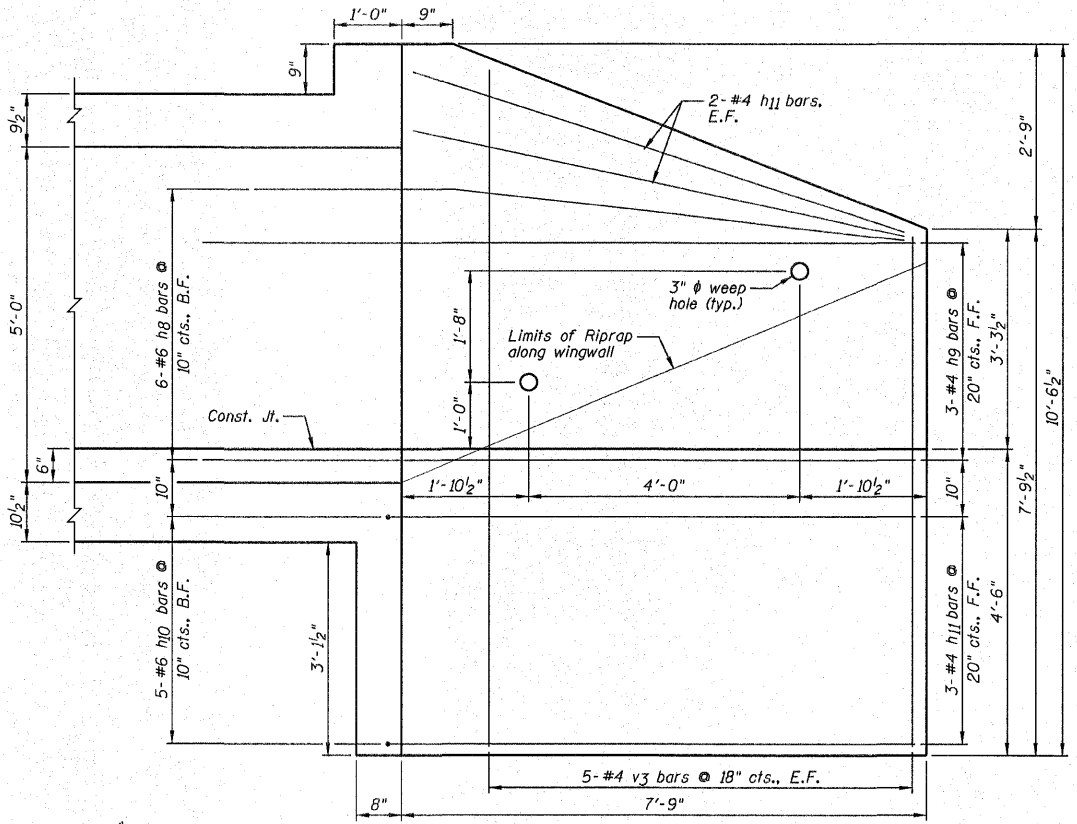
CROSS SECTION
 F.A.S. 358 (C.H. 1) OVER UNNAMED
 TRIBUTARY TO RICHLAND CREEK
 SECTION 86-00075-00-AS
 WOODFORD COUNTY
 STATION 273+80.00 STRUCTURE NO. 102-5034
 DESIGNED BY: BJR DRAWN BY: DJM
 DATE: 04/08/09 CHECKED BY: MSW/JML

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

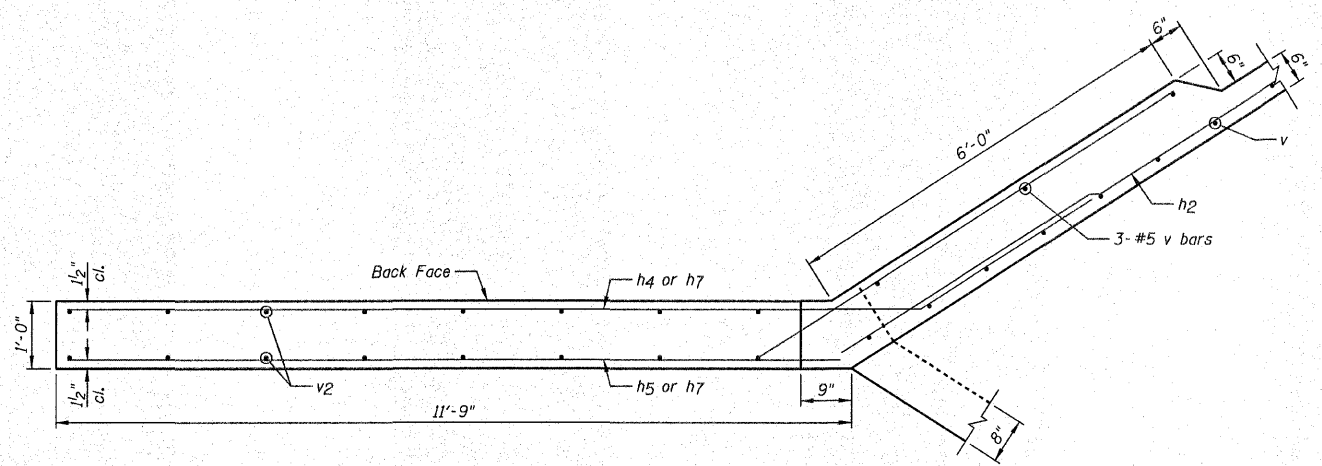
SHEET NO. C7
OF 9 SHEETS



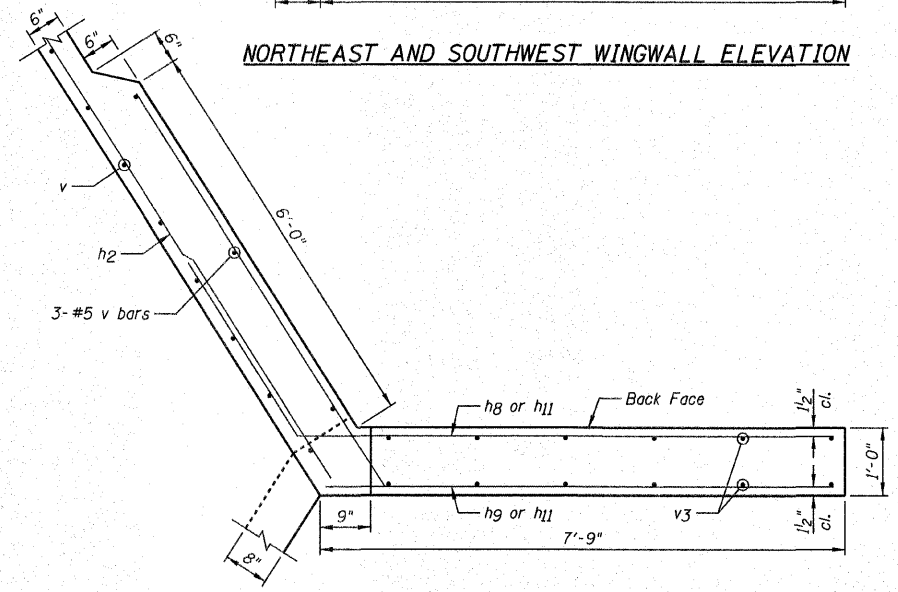
NORTHWEST AND SOUTHEAST WINGWALL ELEVATION



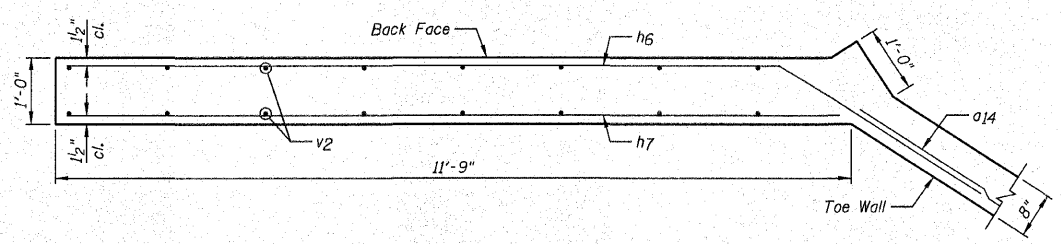
NORTHEAST AND SOUTHWEST WINGWALL ELEVATION



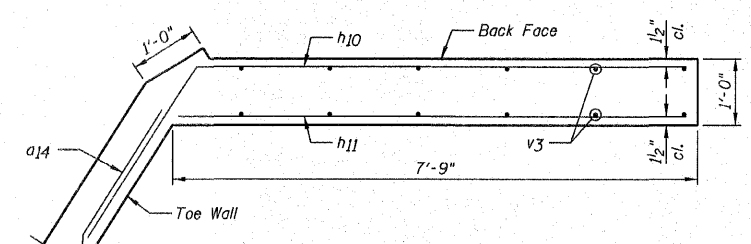
NORTHWEST AND SOUTHEAST WINGWALL UPPER PLAN



NORTHEAST AND SOUTHWEST WINGWALL UPPER PLAN



NORTHWEST AND SOUTHEAST WINGWALL LOWER PLAN



NORTHEAST AND SOUTHWEST WINGWALL LOWER PLAN

- NOTES:**
- 1.) Work this sheet with Sheets C1-C6.
 - 2.) Order v2 and v3 bars full length, cut according to the Bar Cutting Diagram on Sheet C2. Use remainder of bars in Front Face.
 - 3.) For Bill of Material, see Sheet C2.
 - 4.) For bar lap length, see the General Notes on Sheet C2.

REVISIONS	
NAME	DATE

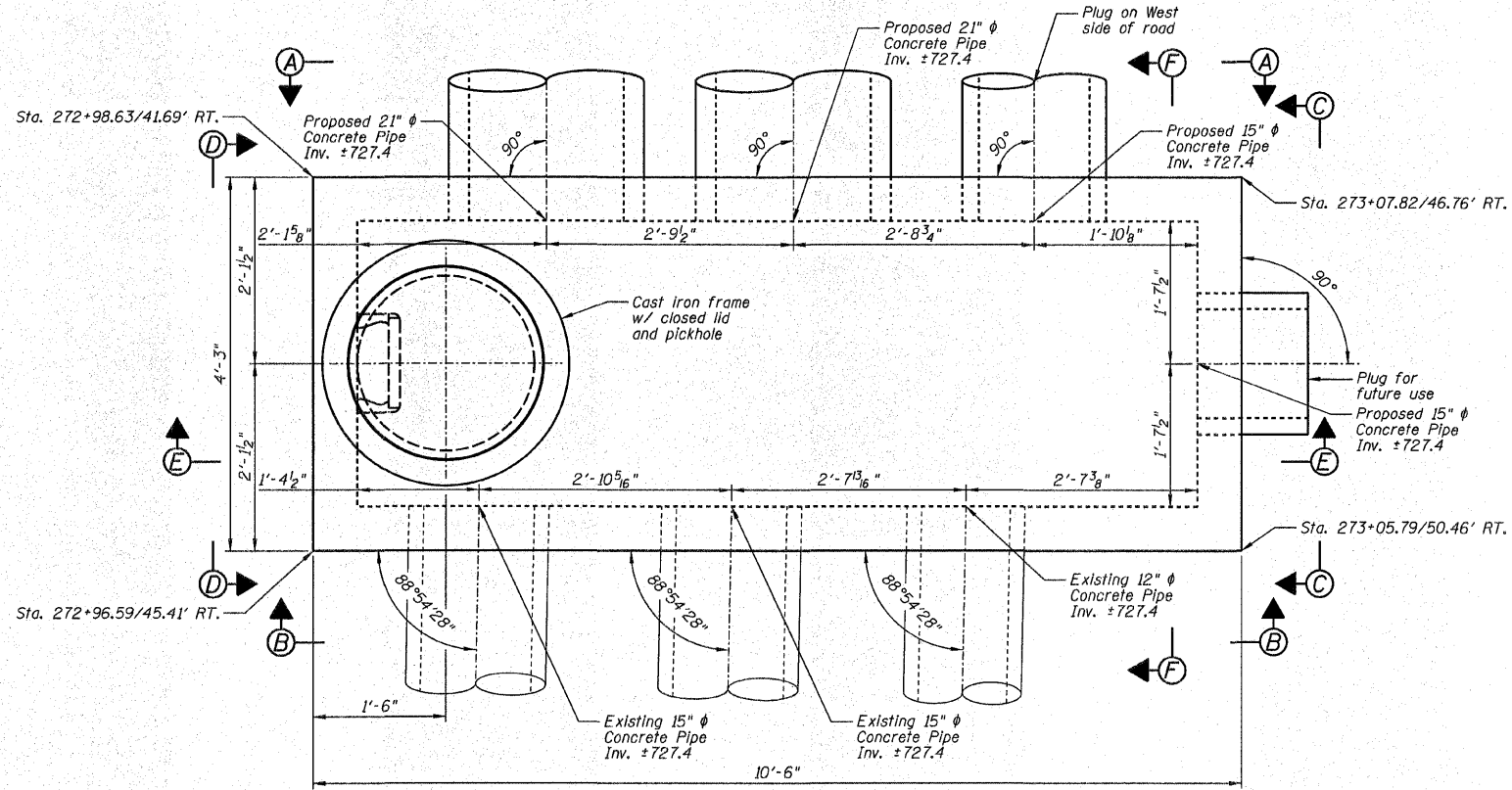
WINGWALL DETAILS

F.A.S. 358 (C.H. 1) OVER UNNAMED TRIBUTARY TO RICHLAND CREEK
SECTION 86-00075-00-AS
WOODFORD COUNTY
STATION 273+80.00 STRUCTURE NO. 102-5034

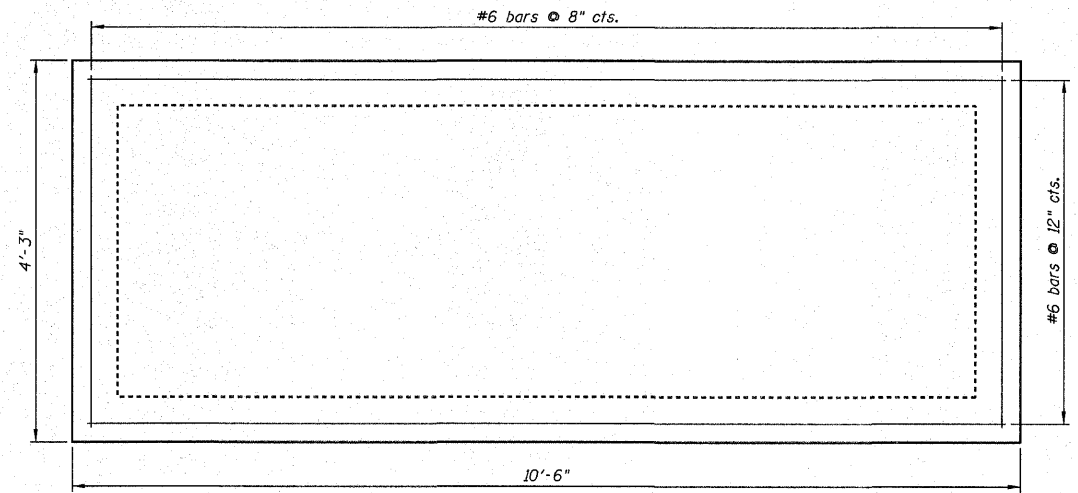
DESIGNED BY: BJR
DATE: 04/08/09

DRAWN BY: DJM
CHECKED BY: MSW/JML

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LAYOUT PLAN



TOP & BOTTOM SLAB REINFORCEMENT PLAN

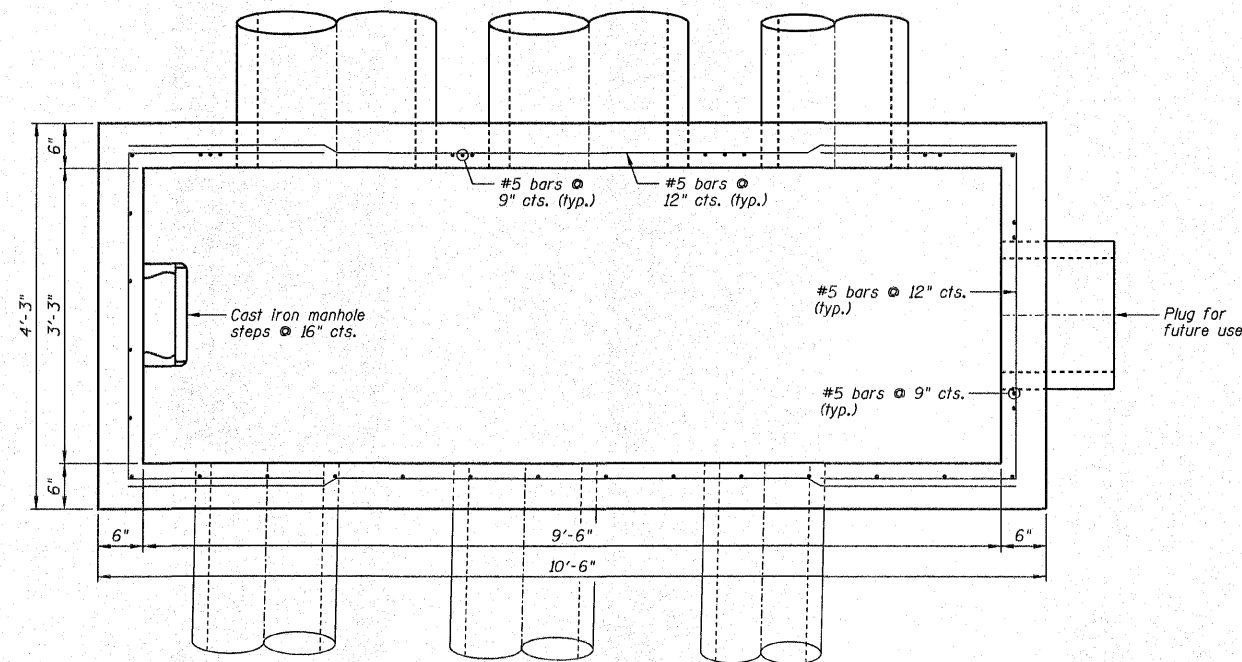
TOTAL BILL OF MATERIAL - JUNCTION BOX

ITEM	UNIT	TOTAL
Pipe Culverts, Class A, Type 2 15"	Foot	100
Pipe Culverts, Class A, Type 2 18"	Foot	220
Pipe Culverts, Class A, Type 2 21"	Foot	198
Field Tile Junction Vaults, 3' Dia.	Each	2
Junction Box	L Sum	1

GENERAL NOTES

- Exposed edges shall be beveled $\frac{3}{4}$ ".
- Reinforcement Bars shall conform to the requirements of ASTM A706, Grade 60 (IL Modified). See Special Provision.
- For backfilling and embankment, see Standard Specifications and Roadway Plans.
- It shall be the responsibility of the Contractor to divert the stream flow and any storm sewer flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer.
- Contractor to field locate all utilities before starting construction and protect all utilities. Contractor to submit information regarding protecting utilities to the Engineer before starting construction.
- There will be no additional compensation should any reinforcement need to be cut or bent in the field.
- Construction Joints shall be bonded in accordance with Section 503.09 (b) of the Standard Specifications.
- Minimum bar lap lengths are as follows, unless noted otherwise.

Bar Size	Min. Lap Length
#4	1'-9"
#5	2'-2"
#6	2'-8"
#7	3'-9"
#8	4'-2"
#9	4'-8"



PLAN WITH TOP SLAB REMOVED

NOTES:

- Work this sheet with Sheets C9.
- Match existing elevations.

REVISIONS	
NAME	DATE

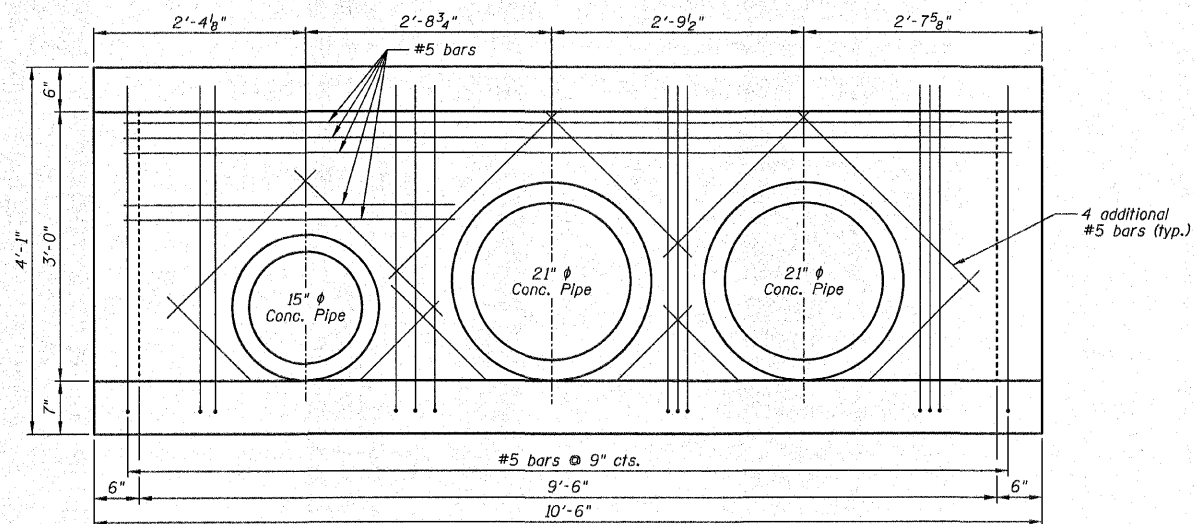
JUNCTION BOX DETAILS

F.A.S. 358 (C.H. 1)
SECTION 06-00075-00-BR
WOODFORD COUNTY
STATION 273+01.83

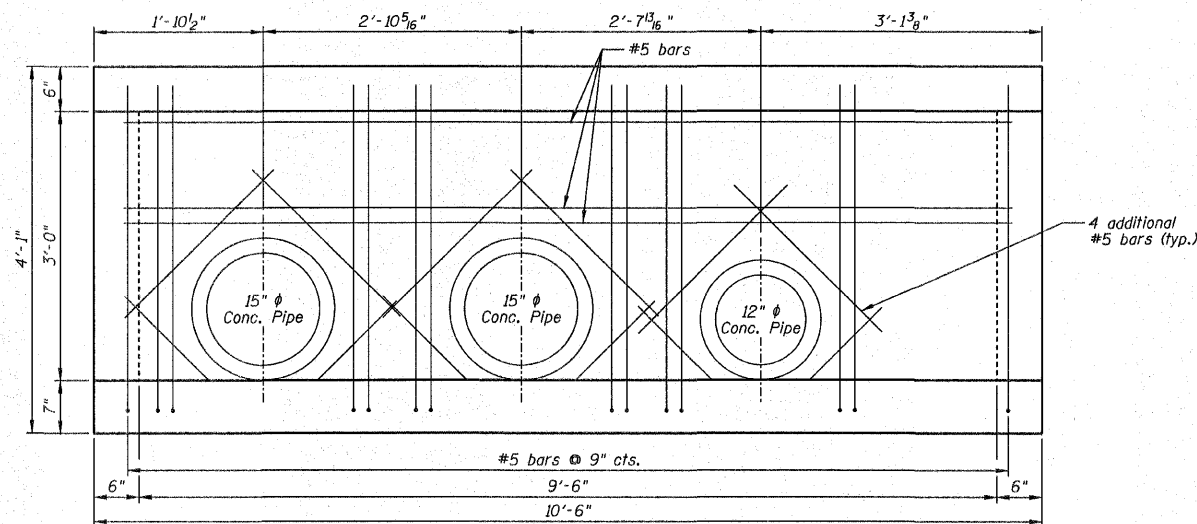
DESIGNED BY: BJR
DATE: 04/08/09

DRAWN BY: DJM
CHECKED BY: MSW/JML

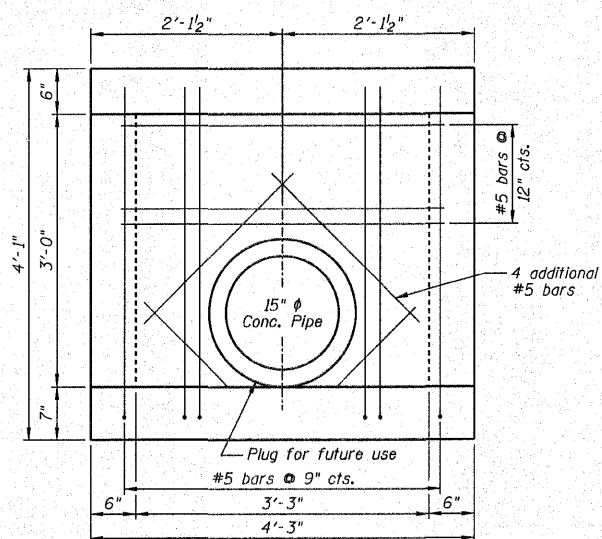
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	06-00075-00-AS	WOODFORD	74	43
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



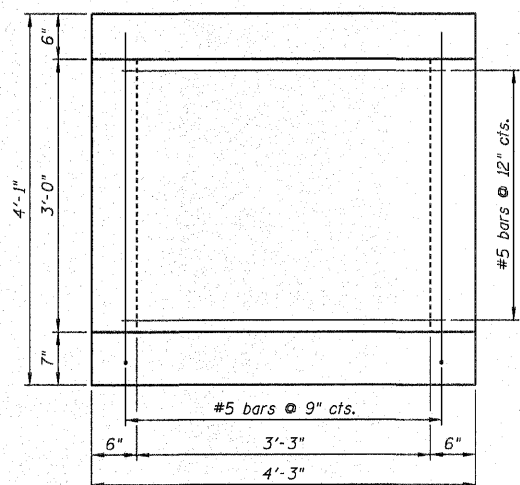
VIEW A-A



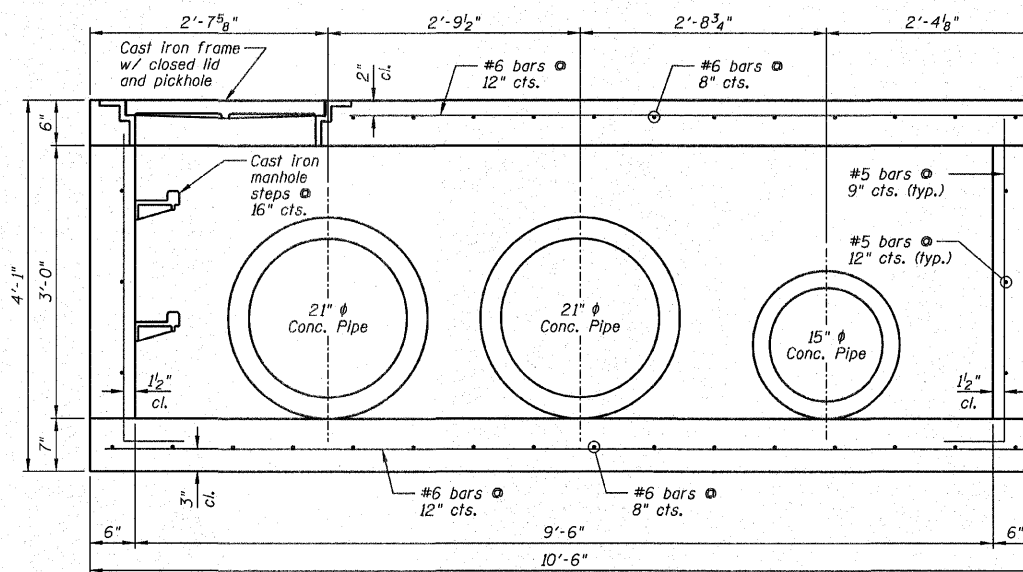
VIEW B-B



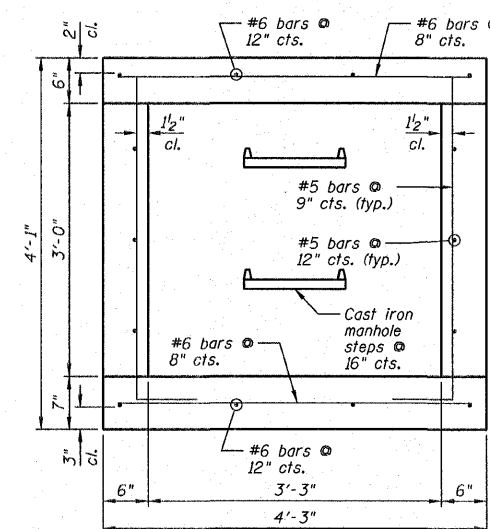
VIEW C-C



VIEW D-D



SECTION E-E



SECTION F-F

NOTES:

- 1.) Work this sheet with Sheets C8.
- 2.) Match existing elevations.

REVISIONS	
NAME	DATE

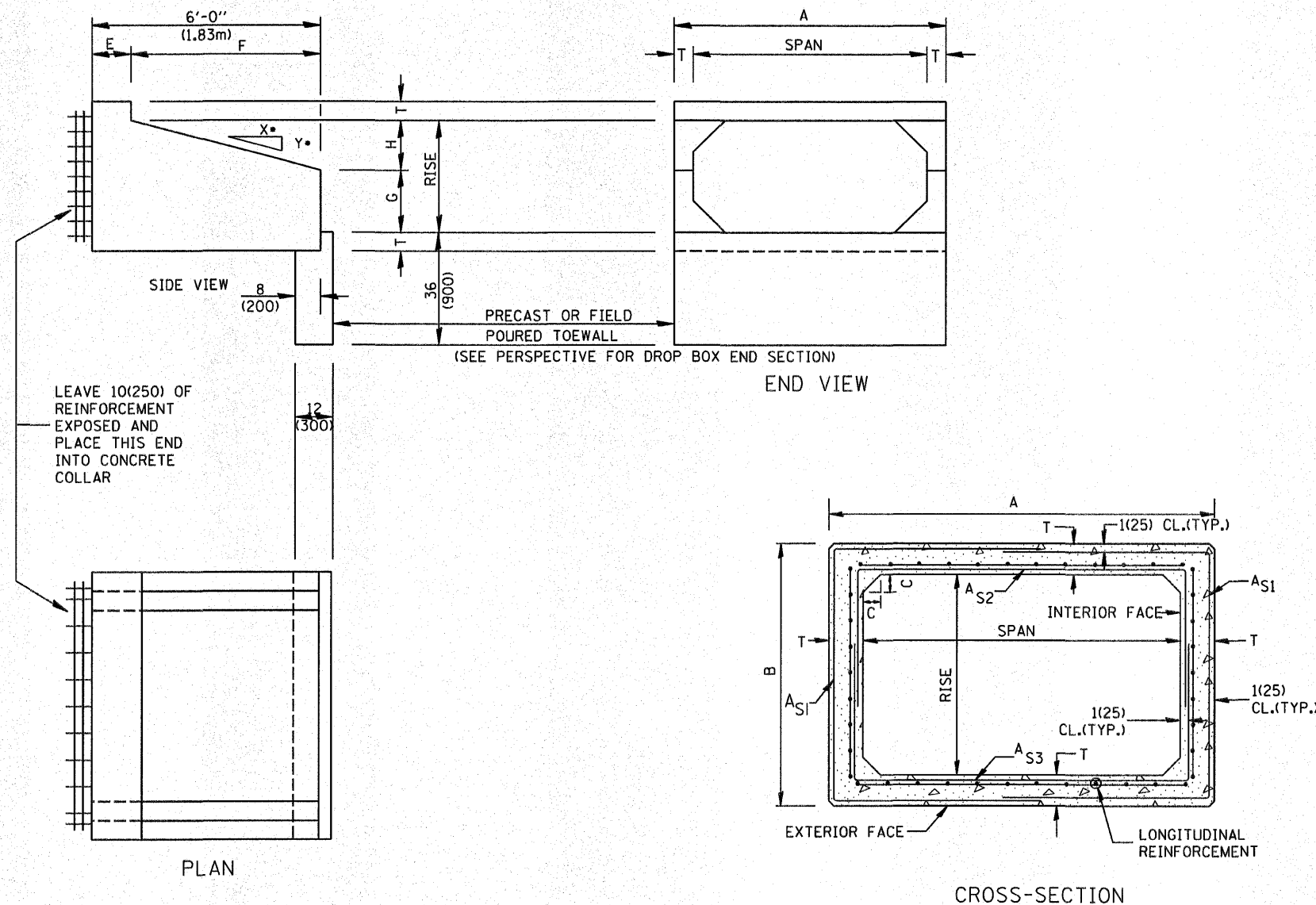
JUNCTION BOX DETAILS

F.A.S. 358 (C.H. 1)
SECTION 06-00075-00-BR
WOODFORD COUNTY
STATION 273+01.83

DESIGNED BY: BJR
DATE: 04/08/09

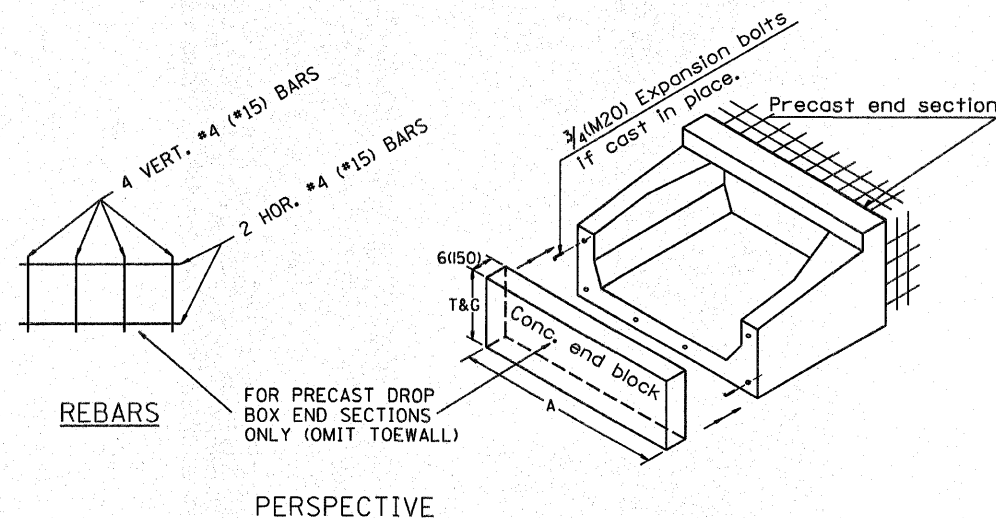
DRAWN BY: DJM
CHECKED BY: MSW/JML

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- GENERAL NOTES:**
- The Box Culvert Sections shall conform to ASTM C789 for 2' (0.6 m) cover or more. If less than 2' (0.6 m) of cover exists, then ASTM C-850 applies and modify Table 'B' and drawing.
 - The Aggregate shall conform to the requirements of Articles 1003.02 and 1004.02 of the Standard Specifications. The gradation requirements do not apply.
 - The External Sealing Band shall conform to ASTM C 877. The appropriate portions of Articles 550.02(I) and 1057.01 of the Standard Specifications shall apply.
 - Shop plans for the Precast Reinforced Box Culvert Sections, End Sections and Drop Box End Sections shall be submitted in accordance with Article 540.06 of the Standard Specifications.
 - All dimensions shall be verified with the Supplier.

DESIGNER NOTES:
1. INSERT DISTRICT SPECIAL PROVISION.
2. TO BE USED IN CONJUNCTION WITH CONCRETE COLLAR.



All dimensions are in inches (millimeters) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

PRECAST CONCRETE BOX CULVERTS (SPECIAL), END SECTION (SPECIAL), & DROP BOX END SECTIONS (SPECIAL)

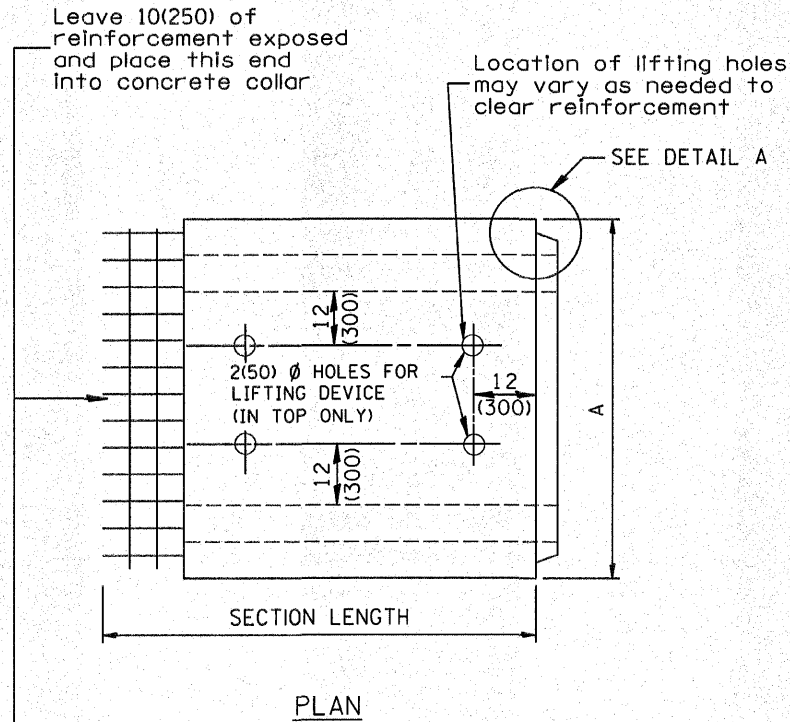
DATE	REVISIONS	BY
1-1-97	RENUM. J-12.08 AND J-12.09, NEW FORMAT, METRICS, NEW REVISION BOX, NOTES.	T.P.
5-1-97	CORRECT TITLE & GEN. NOTES	J.A.
6-17-99	CORRECT DIMENSIONS	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

CADD STANDARD 540401-D4(1)
SCALE: NOT DRAWN TO SCALE

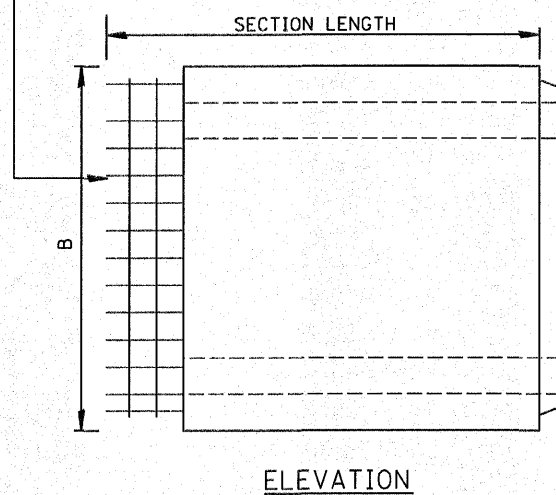
DRAWN BY CADD
CHECKED BY
SHEET 1 OF 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

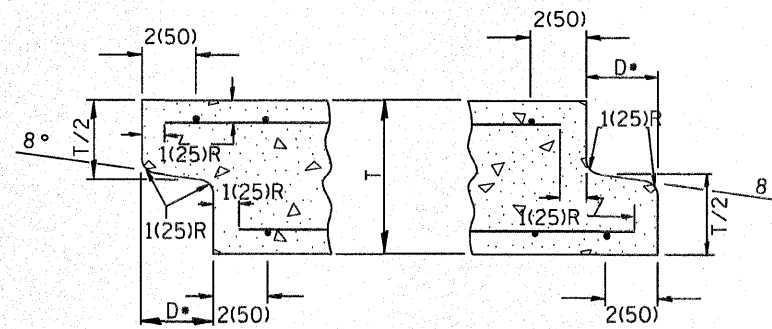
(DIMENSIONS APPLY TO END SECTION AND BOX SECTION DETAILS)



PLAN



ELEVATION

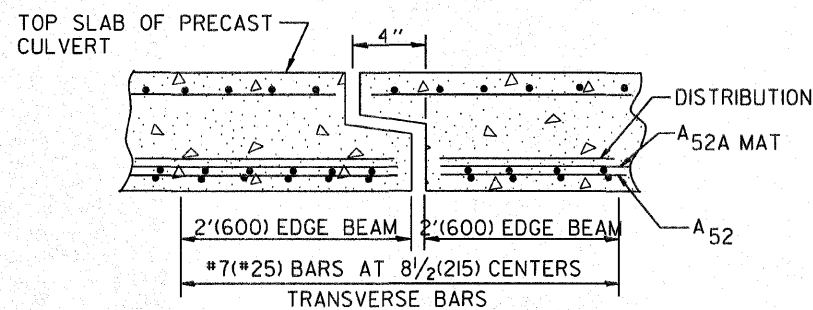


(TYP. INLET END)

(TYP. OUTLET END)

NOTE: Inlet and outlet ends shall be compatible.

*The D dimension shall conform to the manufacturer's standards.



TYP. JOINT SHOWING EDGE BEAM REINFORCEMENT

NOTE: The additional Reinforcing Steel required for edge beams shall have the same length as As2A. The required area, As10, may be combined with As2 in a single layer or placed in a separate layer as shown above. The additional Steel may be Welded Wire Fabric or grade 60 Deformed Bars.

(See GENERAL NOTES on sheet 1 of 2)

SPAN X RISE ft (mm)	T in (mm)	A	B	C in (mm)	E in (mm)	F	G	H in (mm)	SLOPE (Y : X)
2x2 (600x600)	4(100)	32(815)	32(815)	4(100)	9(635)	36(915)	12(305)	12(305)	1 : 3
2x3 (600x900)	4(100)	32(815)	3'-8" (1.12m)	4(100)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
3x2 (900x600)	4(100)	3'-8" (1.12m)	32(815)	4(100)	36(915)	36(915)	12(305)	12(305)	1 : 3
3x2.5 (900x750)	4(100)	3'-8" (1.12m)	38(965)	4(100)	30(760)	3'-6" (1.07m)	16(410)	14(355)	1 : 3
3x3 (900x900)	4(100)	3'-8" (1.12m)	3'-8" (1.12m)	4(100)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
4x2 (1200x600)	5(125)	4'-10" (1.48m)	34(865)	5(125)	36(915)	36(915)	12(305)	12(305)	1 : 3
4x3 (1200x900)	5(125)	4'-10" (1.48m)	3'-10" (1.17m)	5(125)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
4x4 (1200x1200)	5(125)	4'-10" (1.48m)	4'-10" (1.48m)	5(125)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
4x5 (1200x1500)	5(125)	4'-10" (1.48m)	5'-10" (1.78m)	5(125)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
4x6 (1200x1800)	5(125)	4'-10" (1.48m)	6'-10" (2.09m)	5(125)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	4'-0" (1.22m)	1 : 2
5x2 (1500x600)	6(150)	6'-0" (1.83m)	36(915)	6(150)	36(915)	36(915)	12(305)	12(305)	1 : 3
5x3 (1500x900)	6(150)	6'-0" (1.83m)	4'-0" (1.22m)	6(150)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
5x4 (1500x1200)	6(150)	6'-0" (1.83m)	5'-0" (1.52m)	6(150)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
5x5 (1500x1500)	6(150)	6'-0" (1.83m)	6'-0" (1.83m)	6(150)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
6x2 (1800x600)	7(175)	7'-2" (2.17m)	38(965)	7(175)	36(915)	36(915)	12(305)	12(305)	1 : 3
6x3 (1800x900)	7(175)	7'-2" (2.17m)	4'-2" (1.27m)	7(175)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
6x4 (1800x1200)	7(175)	7'-2" (2.17m)	5'-2" (1.57m)	7(175)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
6x5 (1800x1500)	7(175)	7'-2" (2.17m)	6'-2" (1.88m)	7(175)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
6x6 (1800x1800)	7(175)	7'-2" (2.17m)	7'-2" (2.17m)	7(175)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
7x4 (2100x1200)	8(200)	8'-4" (2.54m)	5'-4" (1.63m)	8(200)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
7x5 (2100x1500)	8(200)	8'-4" (2.54m)	6'-4" (1.93m)	8(200)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
7x6 (2100x1800)	8(200)	8'-4" (2.54m)	7'-4" (2.24m)	8(200)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
7x7 (2100x2100)	8(200)	8'-4" (2.54m)	8'-4" (2.54m)	8(200)	24(610)	4'-0" (1.22m)	5'-0" (1.52m)	24(610)	1 : 2
8x4 (2400x1200)	8(200)	9'-4" (2.84m)	5'-4" (1.63m)	8(200)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
8x5 (2400x1500)	8(200)	9'-4" (2.84m)	6'-4" (1.93m)	8(200)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
8x6 (2400x1800)	8(200)	9'-4" (2.84m)	7'-4" (2.24m)	8(200)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
9x5 (2700x1500)	9(225)	10'-6" (3.2m)	6'-6" (1.98m)	9(225)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
9x6 (2700x1800)	9(225)	10'-6" (3.2m)	7'-6" (2.29m)	9(225)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2

All dimensions are in inches (millimeters) unless otherwise noted.

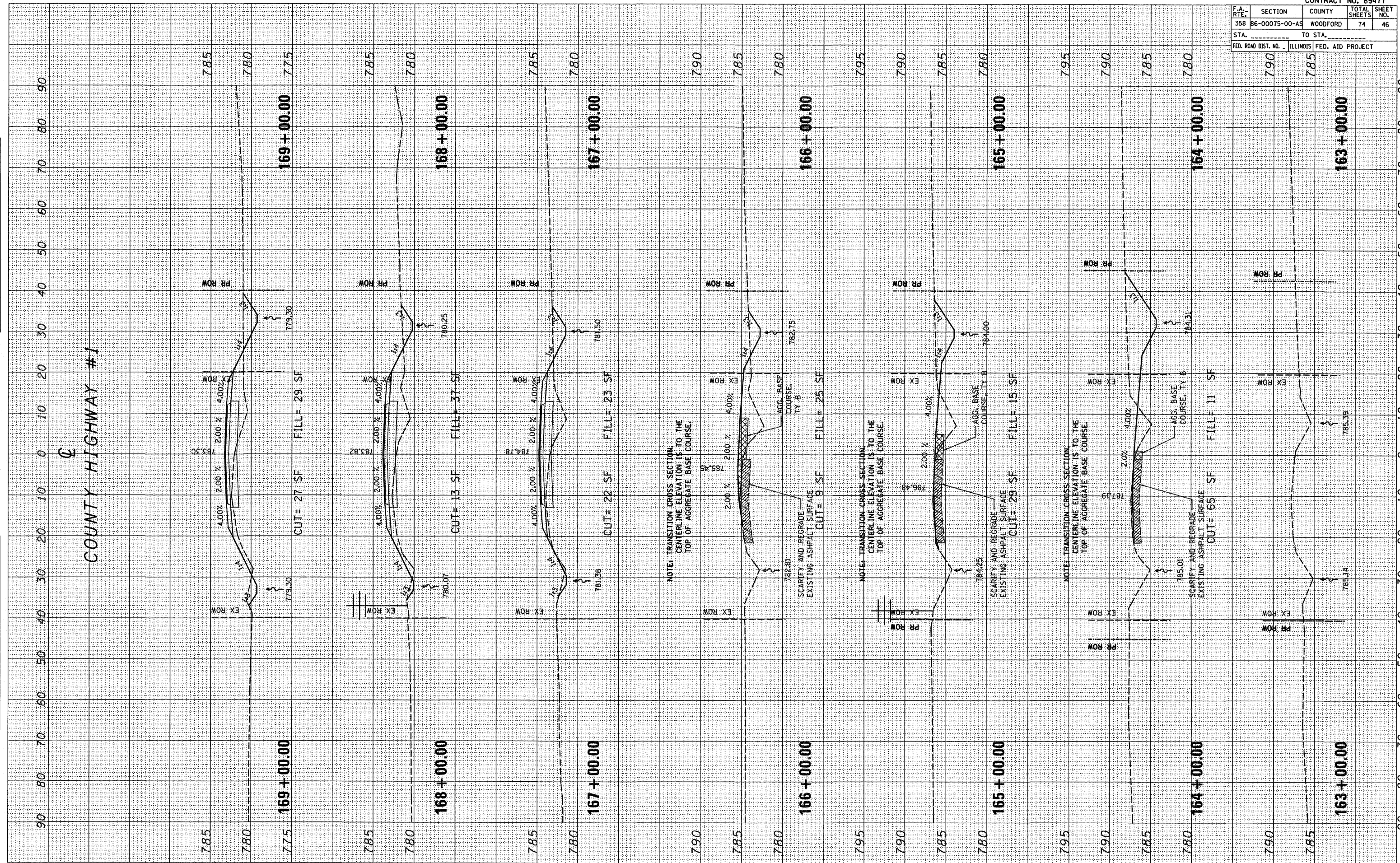
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
 PRECAST CONCRETE BOX CULVERTS
 (SPECIAL), END SECTION (SPECIAL), &
 DROP BOX END SECTIONS (SPECIAL)
 CADD STANDARD 540401-D4(2)
 SCALE: NOT TO SCALE
 DRAWN BY CADD
 CHECKED BY
 SHEET 2 OF 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	46
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS		FED. AID PROJECT

BY _____	DATE _____
SURVEYED _____	
NOTE BOOK _____	
AREAS CHECKED _____	

BY _____	DATE _____
SURVEYED _____	
NOTE BOOK _____	
AREAS CHECKED _____	

PLT DATE	SCALE
FILE NAME	SCALE
PLT SCALE	SCALE
USER NAME	SCALE

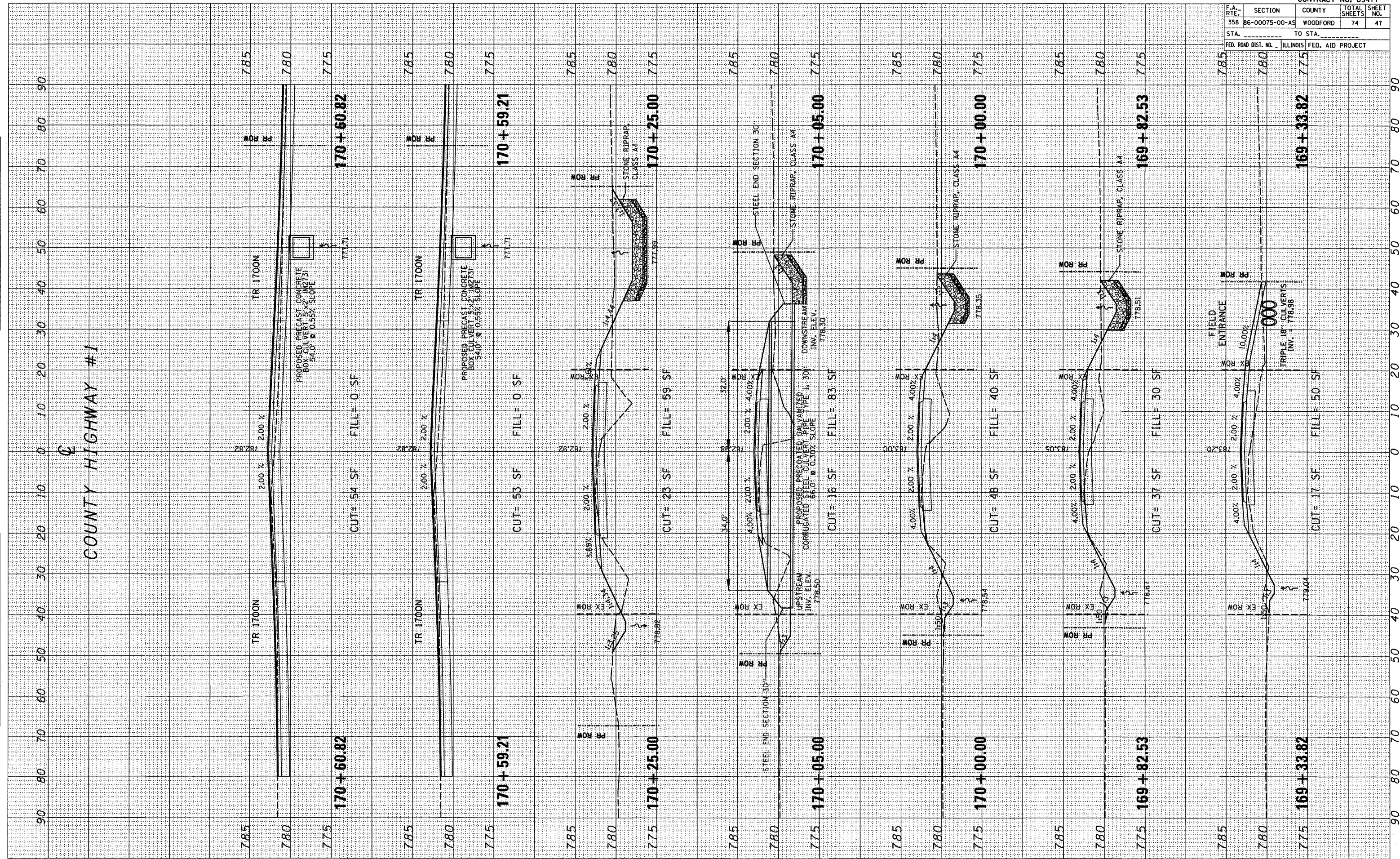


F.A. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-A5	WOODFORD	74	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
NO. BY	
NO. BY	
NO. BY	
NO. BY	

ORIGINAL SURVEY	DATE
NO. BY	
NO. BY	
NO. BY	
NO. BY	

PLOT DATE	BOARDS
FILE NAME	FILES
PLOT SCALE	SCALES
USER NAME	USERS



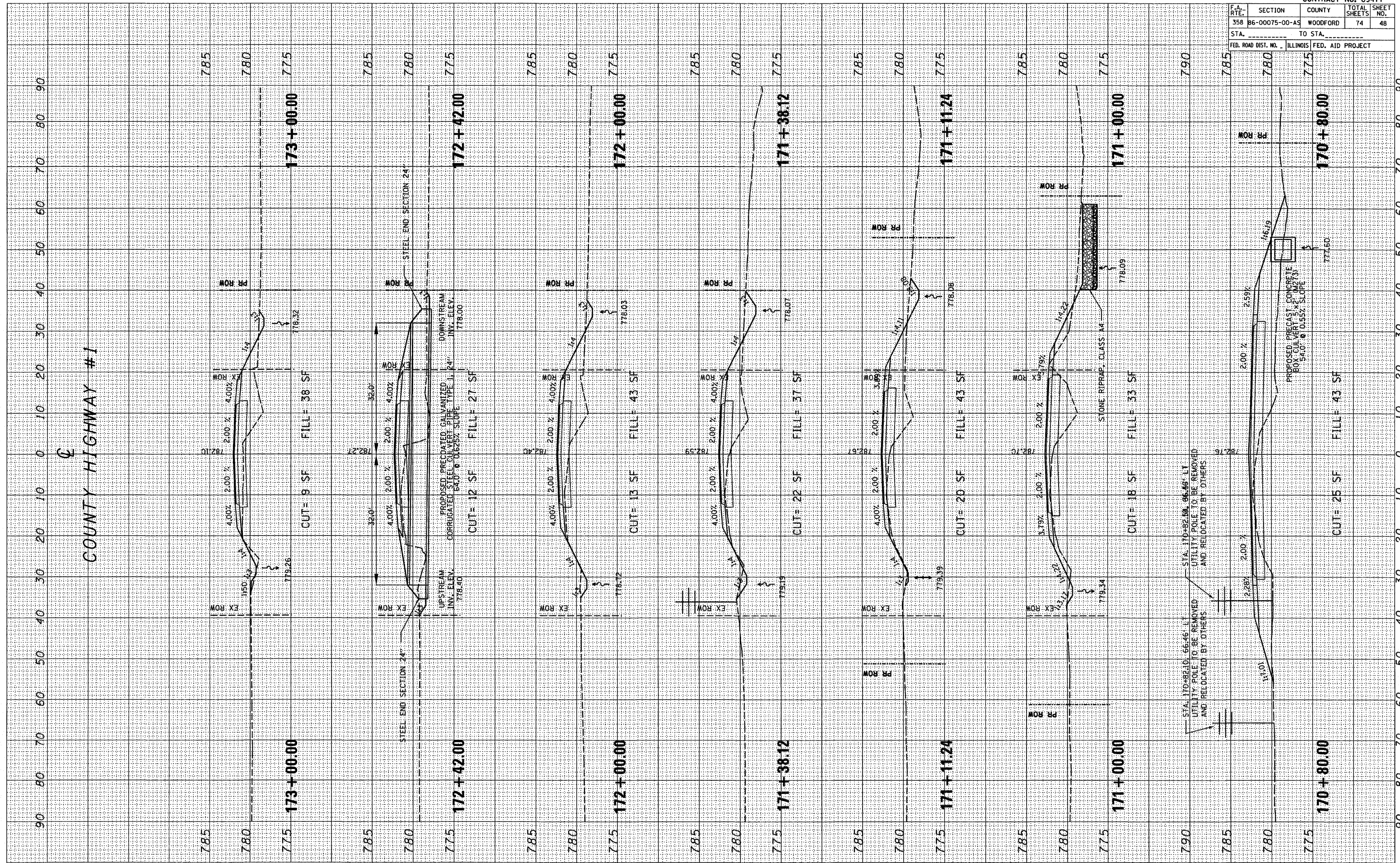
\\swhs01\c1\1700-1800.dwg 4/15/2009 2:14:42 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	48
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

PLOT DATE = 04/25/09
 FILE NAME = 871510
 PLOT SCALE = 8/32000
 USER NAME = RUSSELL



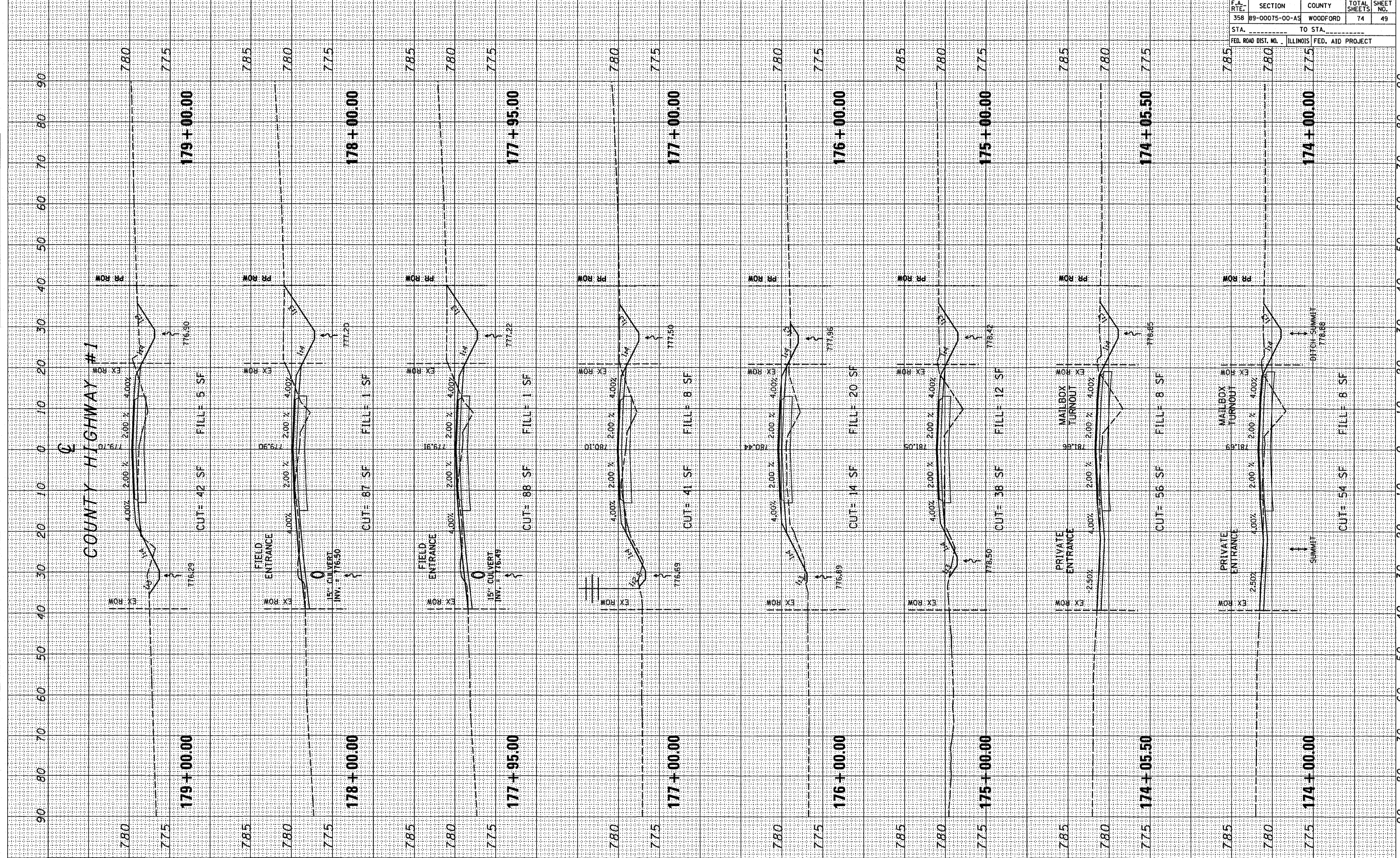
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
35B	89-00075-00-AS	WOODFORD	74	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

PLOT DATE = 04/25/08
 FILE NAME = 87LE14
 PLOT SCALE = 85/6400
 USER NAME = JWB/RS

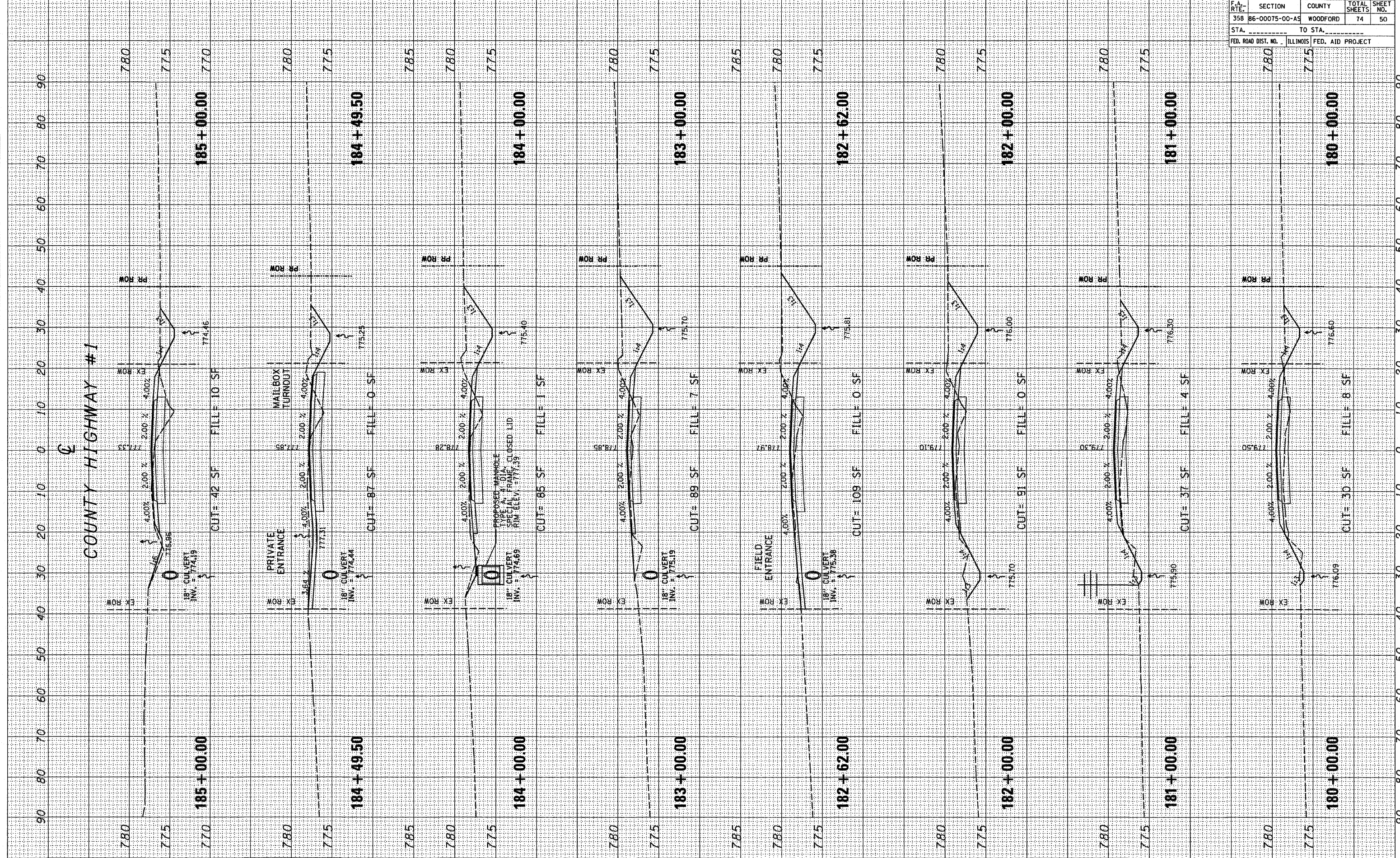


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = 04/15/09
 FILE NAME = 89477-50.dwg
 PLOT SCALE = 1"=40'
 USER NAME = KUBERN

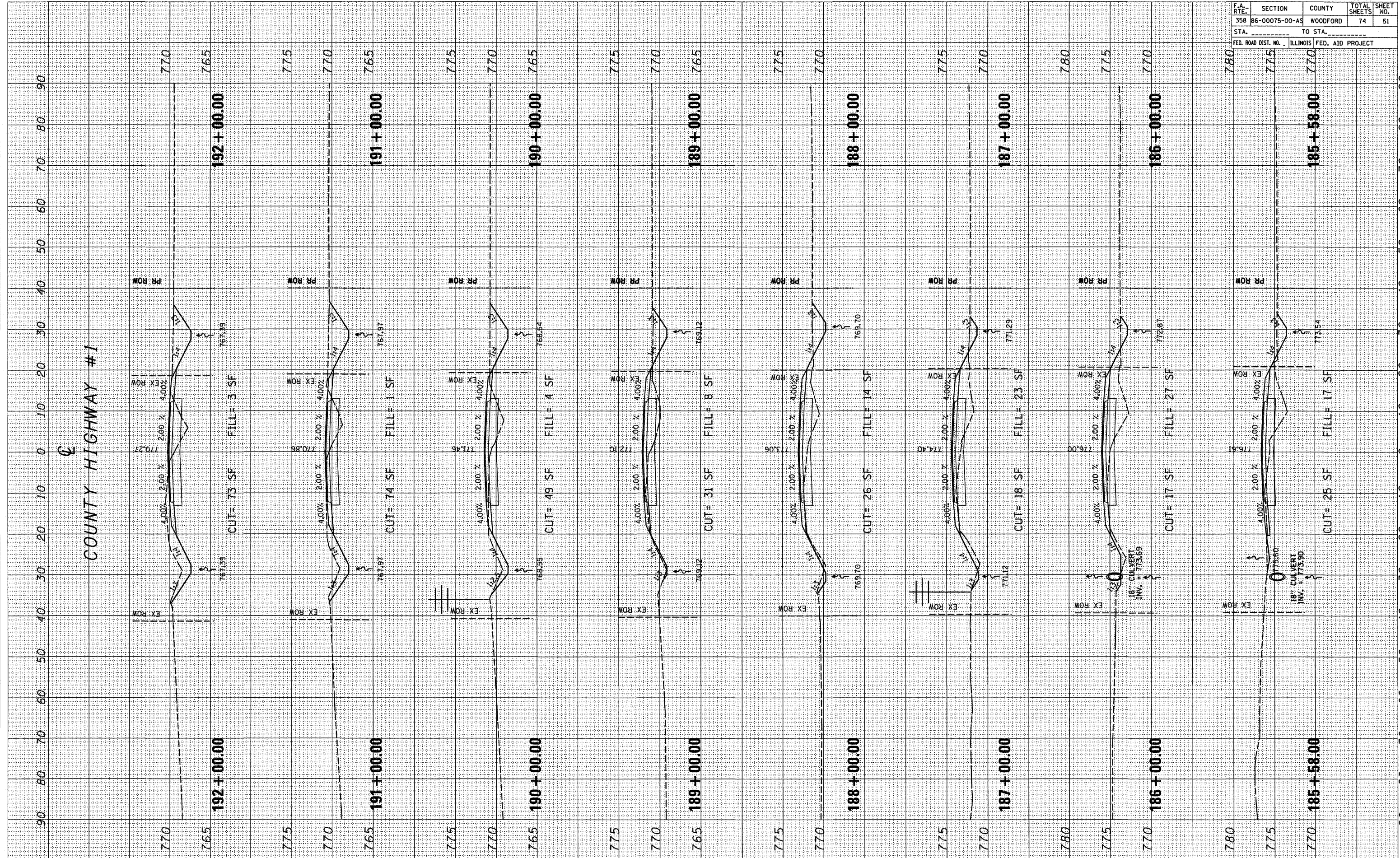


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
AREAS		
CHECKED		

PLOT DATE: * * * * *
 FILE NAME: * * * * *
 PLOT SCALE: * * * * *
 USER NAME: * * * * *

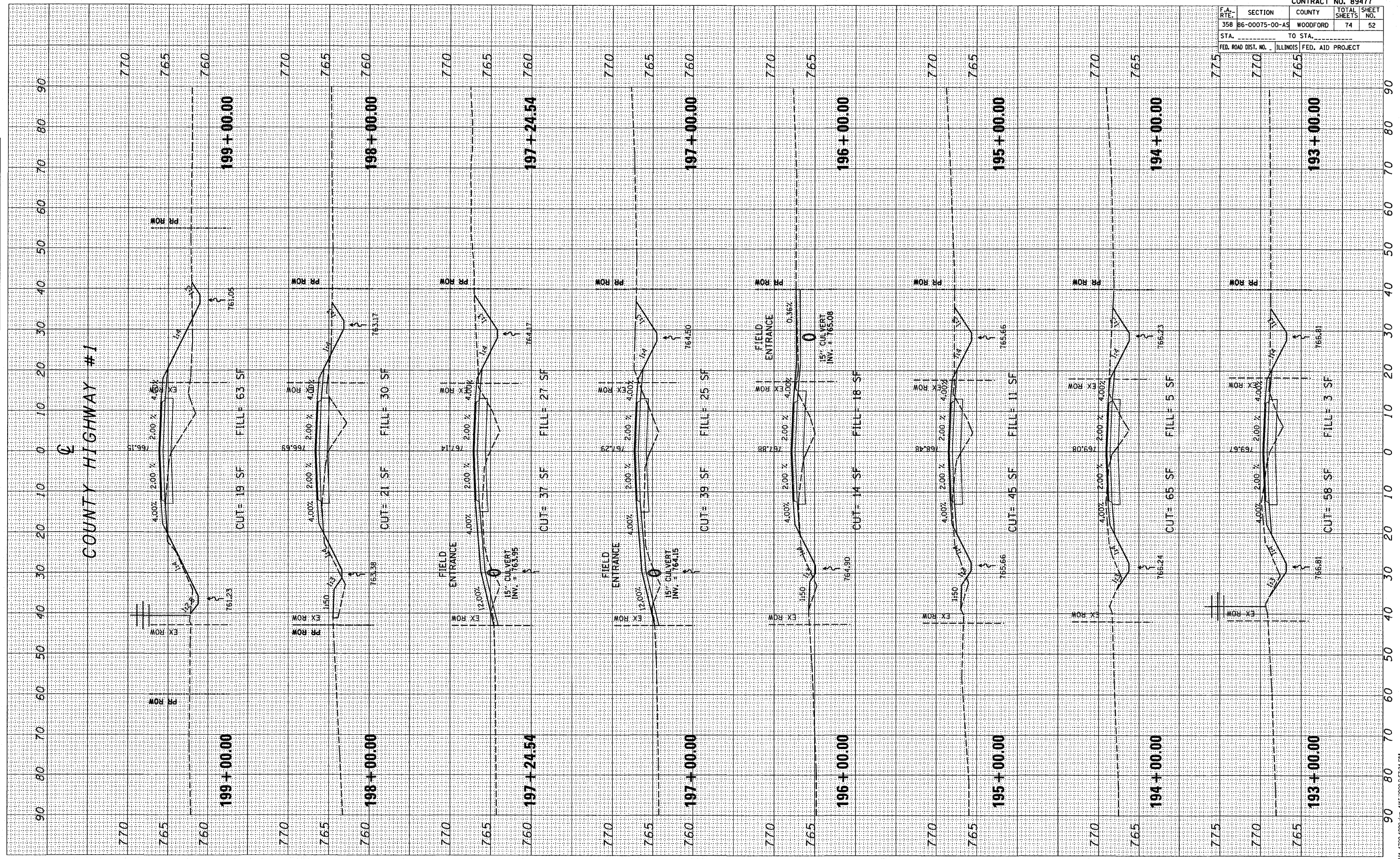


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-A5	WOODFORD	74	52
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

PLOT DATE: * DATES *
 FILE NAME: * FILES *
 PLOT SCALE: * SCALES *
 USER NAME: * USERS *

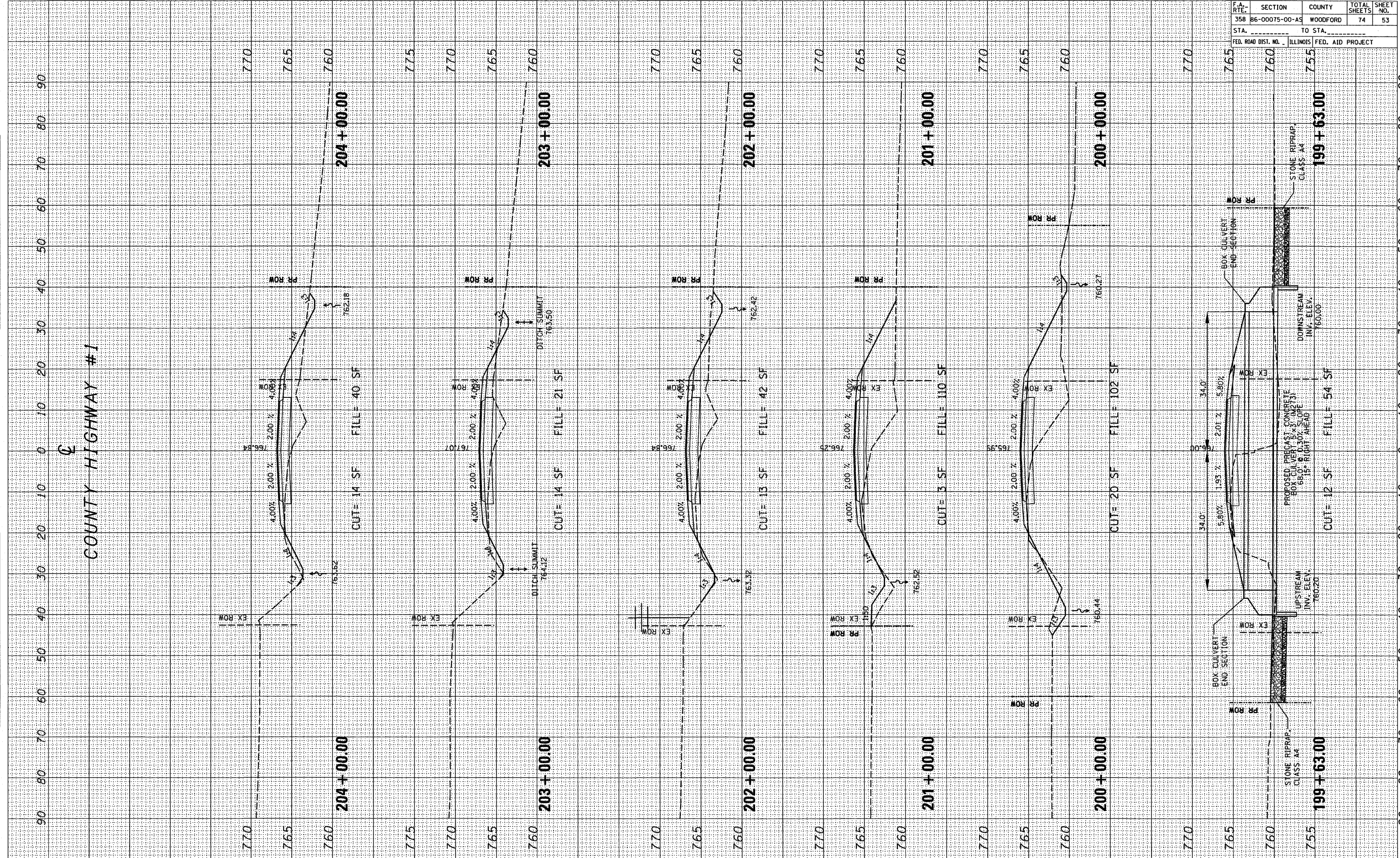


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	53
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

PLOT DATE: _____
 FILE NAME: _____
 PLOT SCALE: _____
 USER NAME: _____

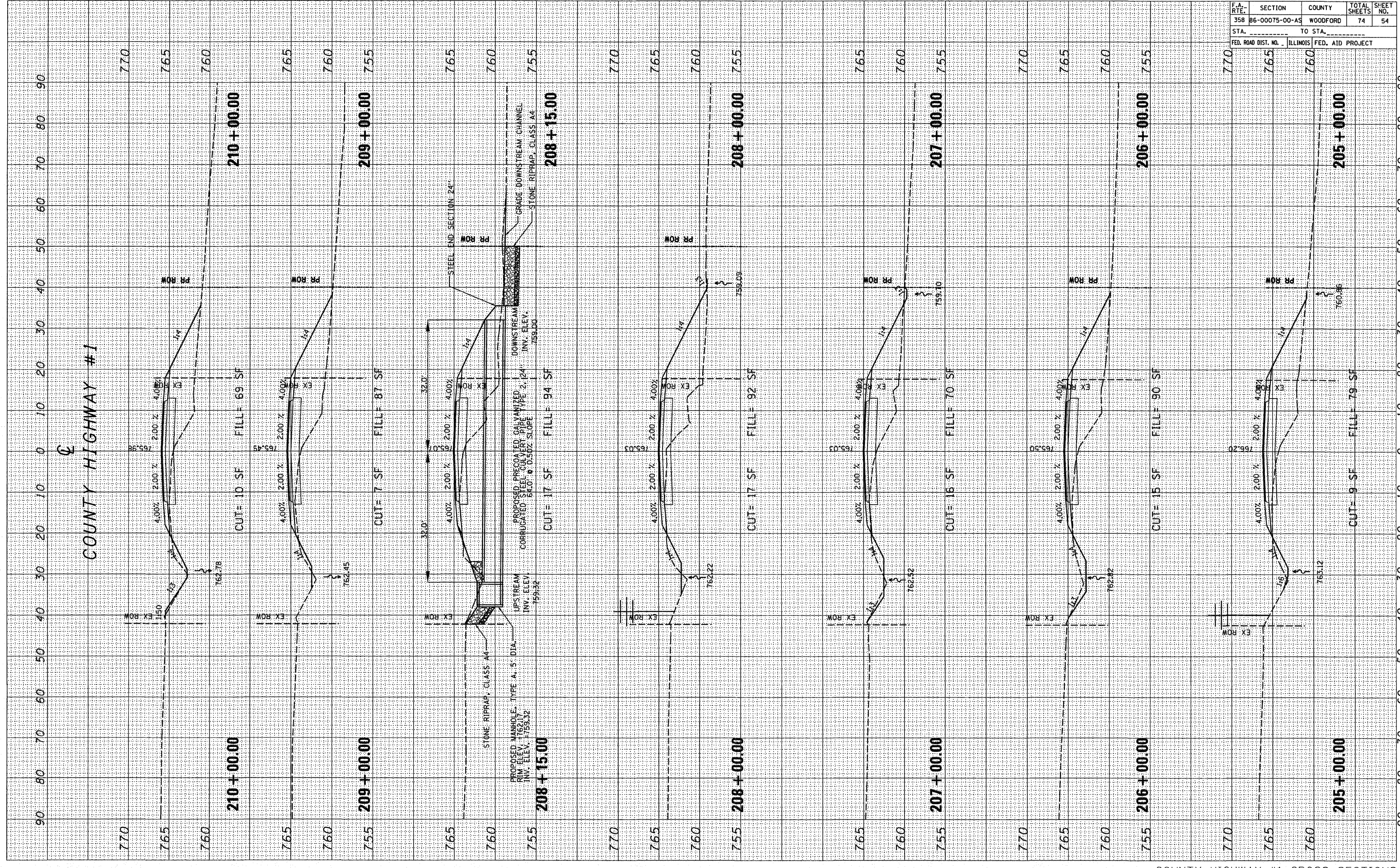


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	54
STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

FINAL SURVEY DATE _____ BY _____
 SURVEYED _____
 SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

ORIGINAL SURVEY DATE _____ BY _____
 SURVEYED _____
 SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS _____
 AREAS CHECKED _____

PLOT DATE * * * * *
 FILE NAME * * * * *
 PLOT SCALE * * * * *
 USER NAME * * * * *



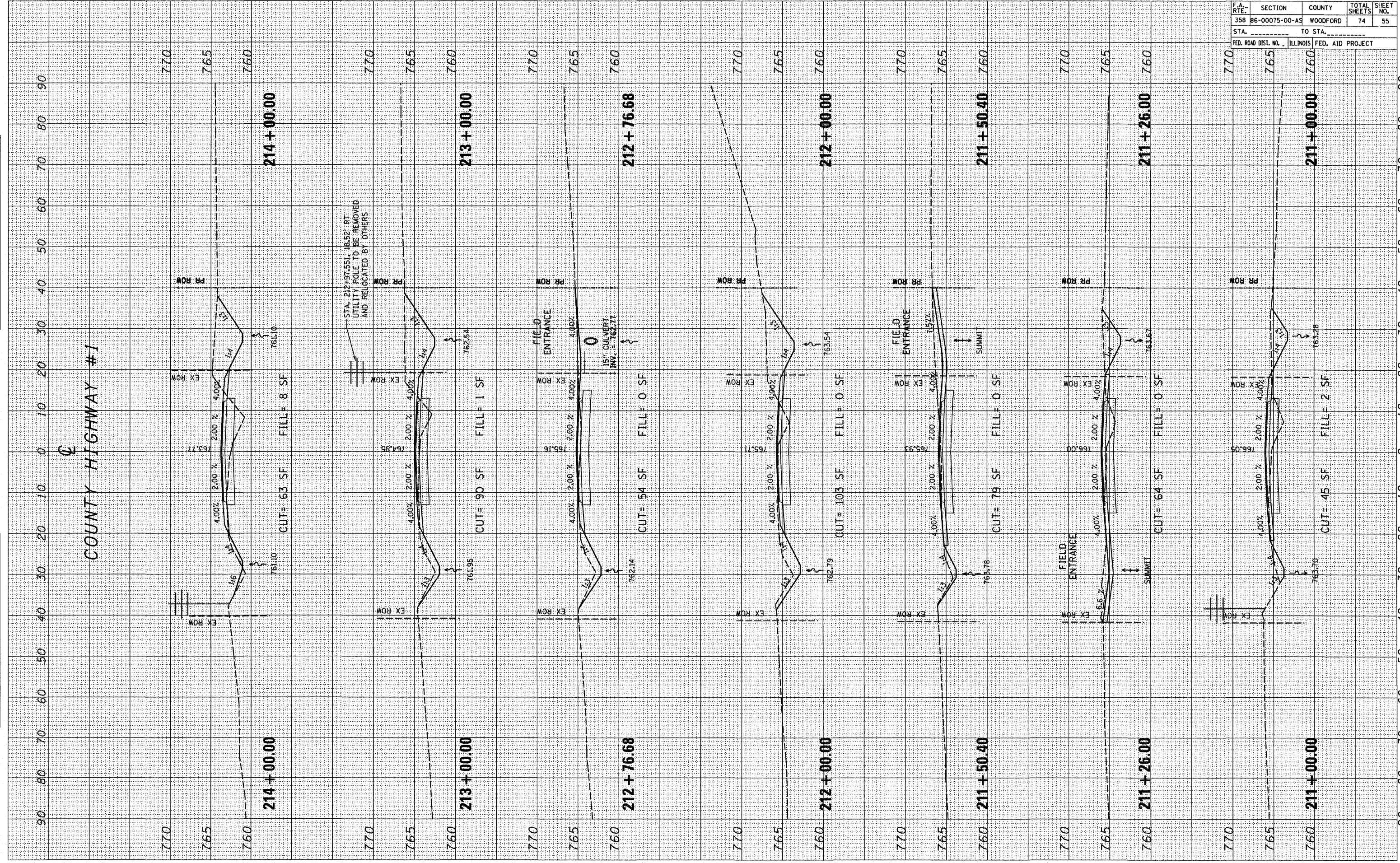
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	55
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK		
TEMPLATE		
AREAS		
CHECKED		

PLOT DATE * DATES
 FILE NAME * FILE#
 PLOT SCALE * SCALE#
 USER NAME * USER#

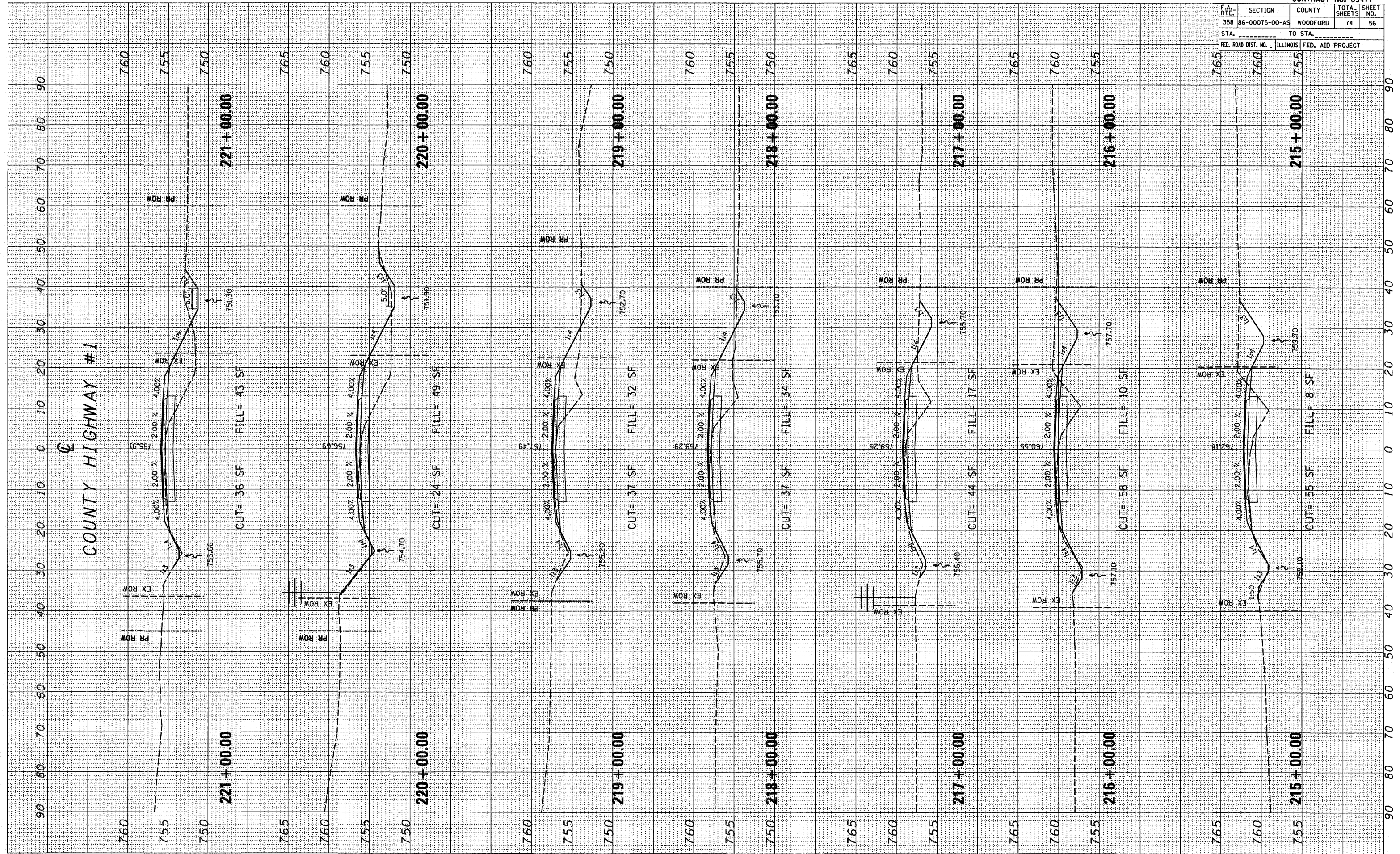


F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	56
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

PLOT DATE	BY _____	DATE _____
FILE NAME	NO. _____	
PLOT SCALE	ASCALES	
USER NAME	AUSER	

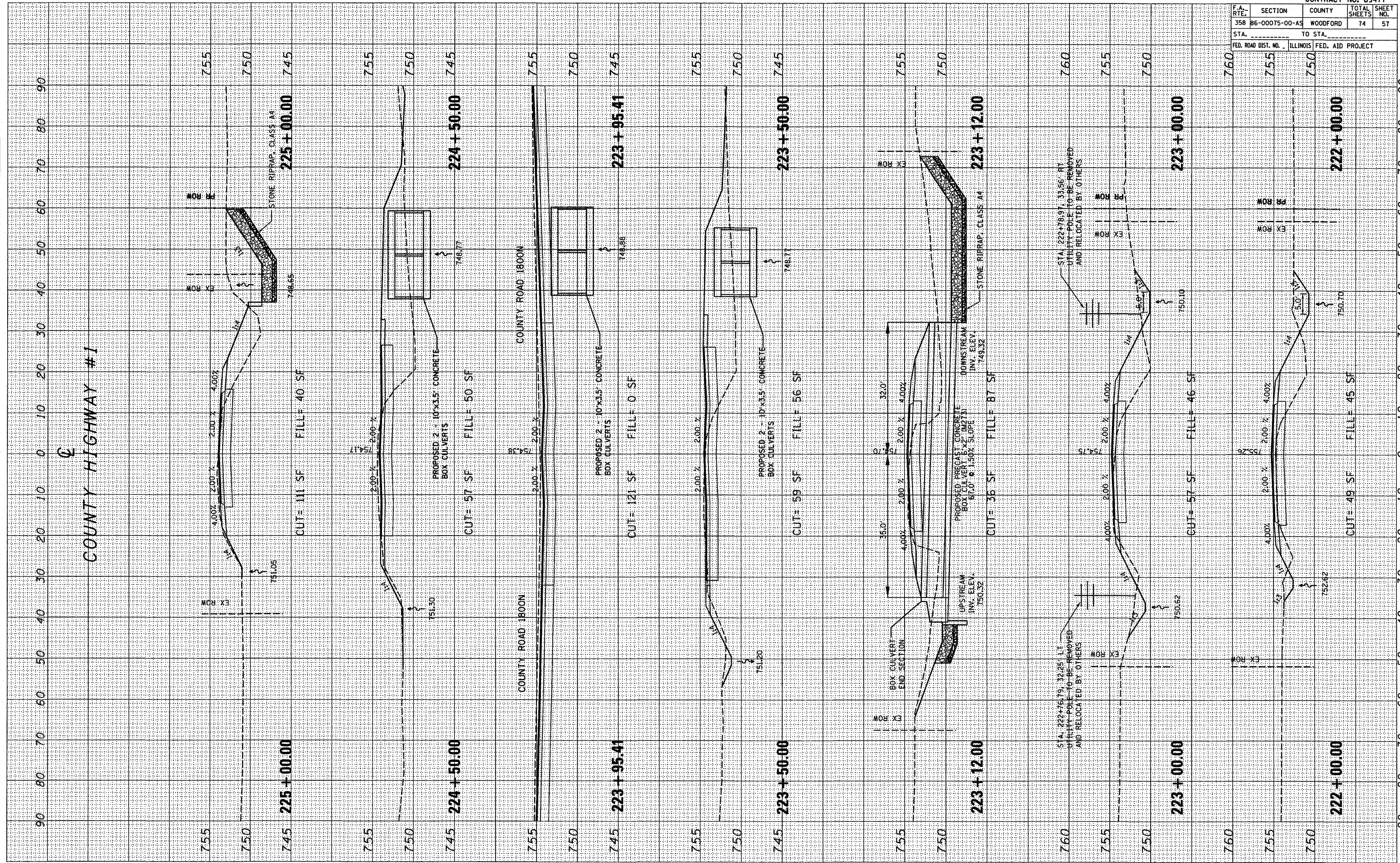


F.A. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	57
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

PLOT DATE = 04/25/08
 FILE NAME = 871514
 PLOT SCALE = 1"=40'
 USER NAME = RUSSEN

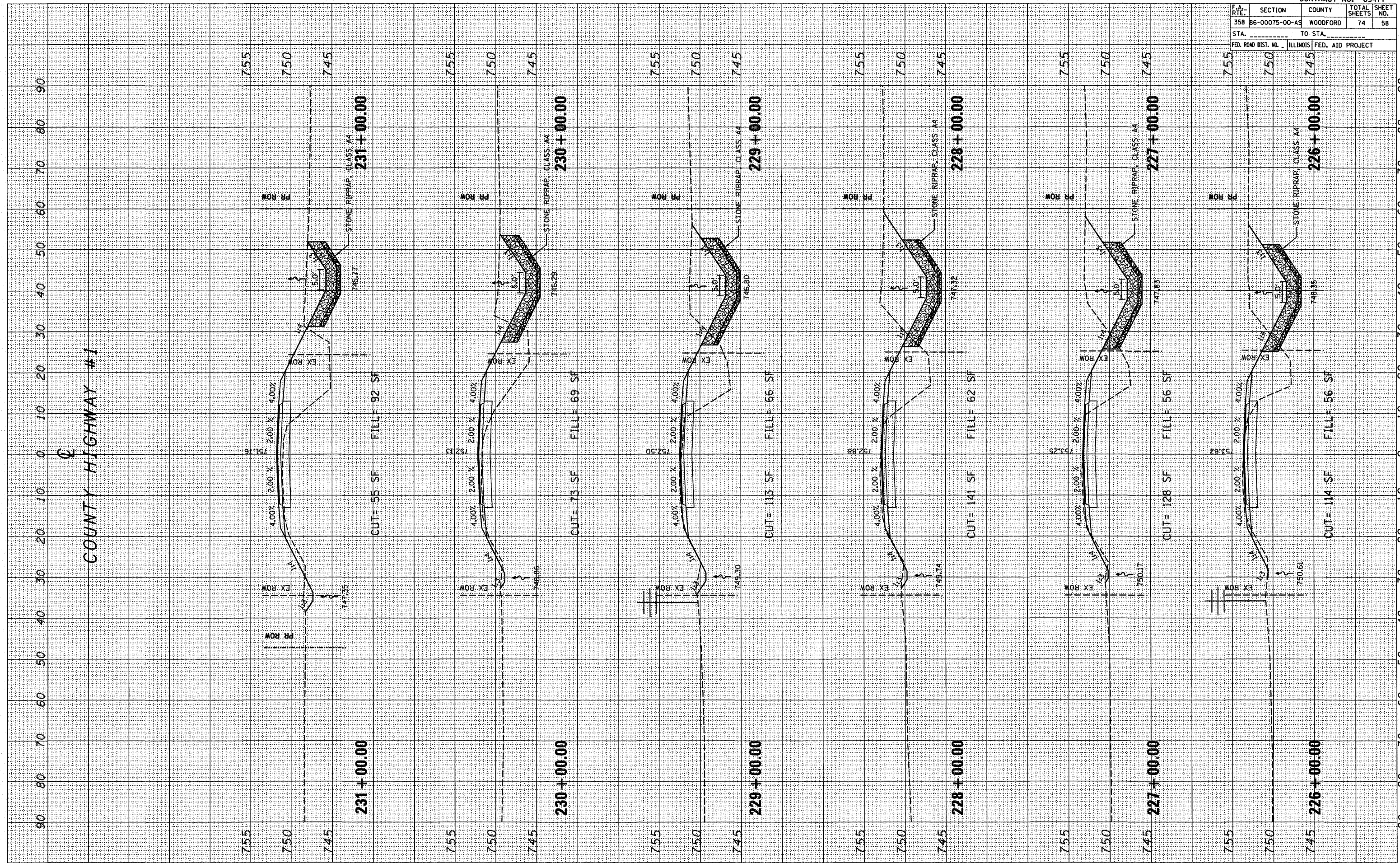


F.A. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK NO.		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK NO.		
AREAS CHECKED		

PLOT DATE = 04/07/08
 FILE NAME = 815LE1
 PLOT SCALE = 1"=40'
 USER NAME = MJB

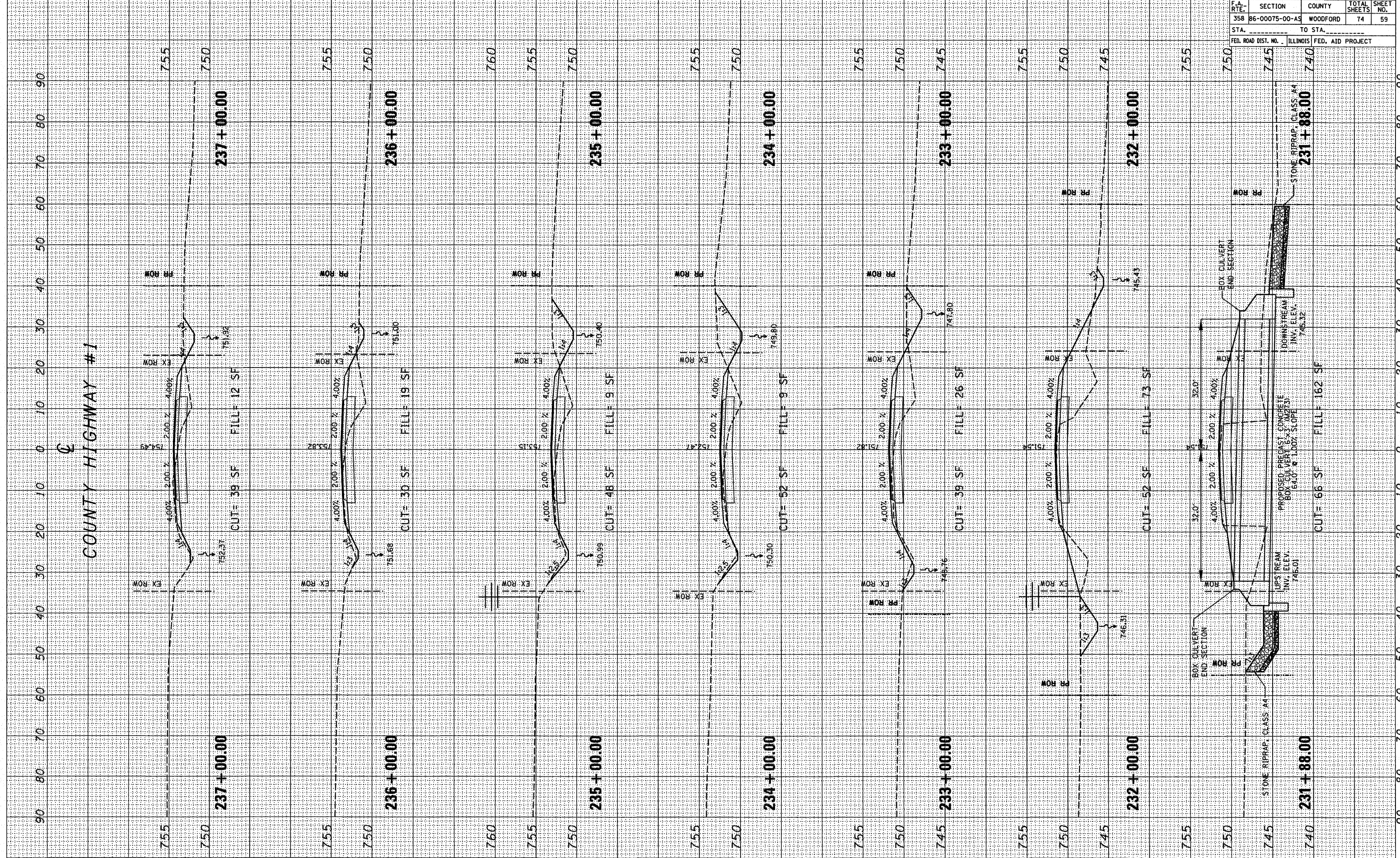


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		

PLOT DATE	DATE
FILE NAME	FILE
PLOT SCALE	SCALE
USER NAME	USER



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	60

STA. _____ TO STA. _____
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

BY _____ DATE _____

NO.	DATE	BY

NO. _____ DATE _____

NO.	DATE	BY

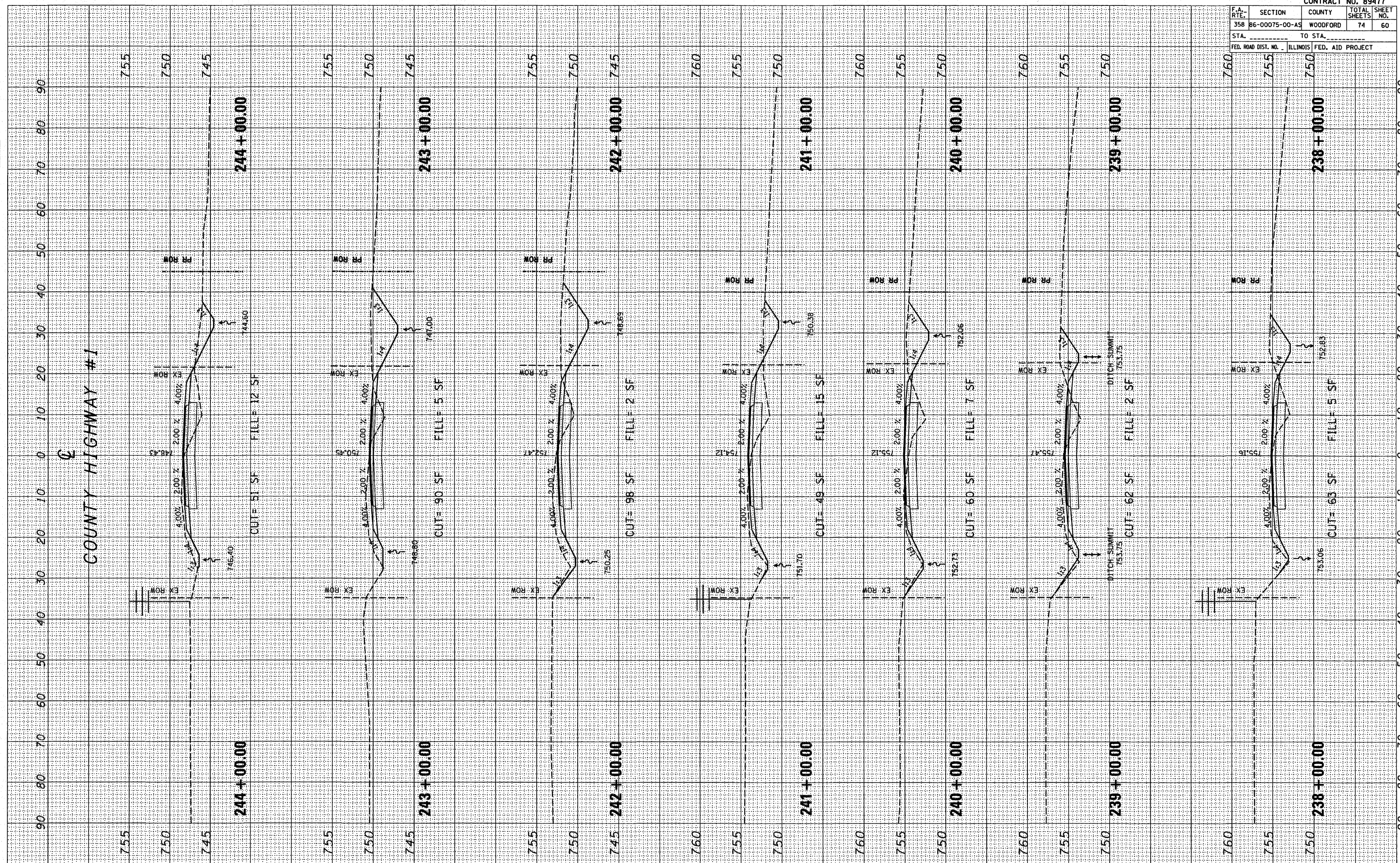
BY _____ DATE _____

NO.	DATE	BY

NO. _____ DATE _____

NO.	DATE	BY

PLOT DATE: _____
FILE NAME: _____
PLOT SCALE: _____
USER NAME: _____

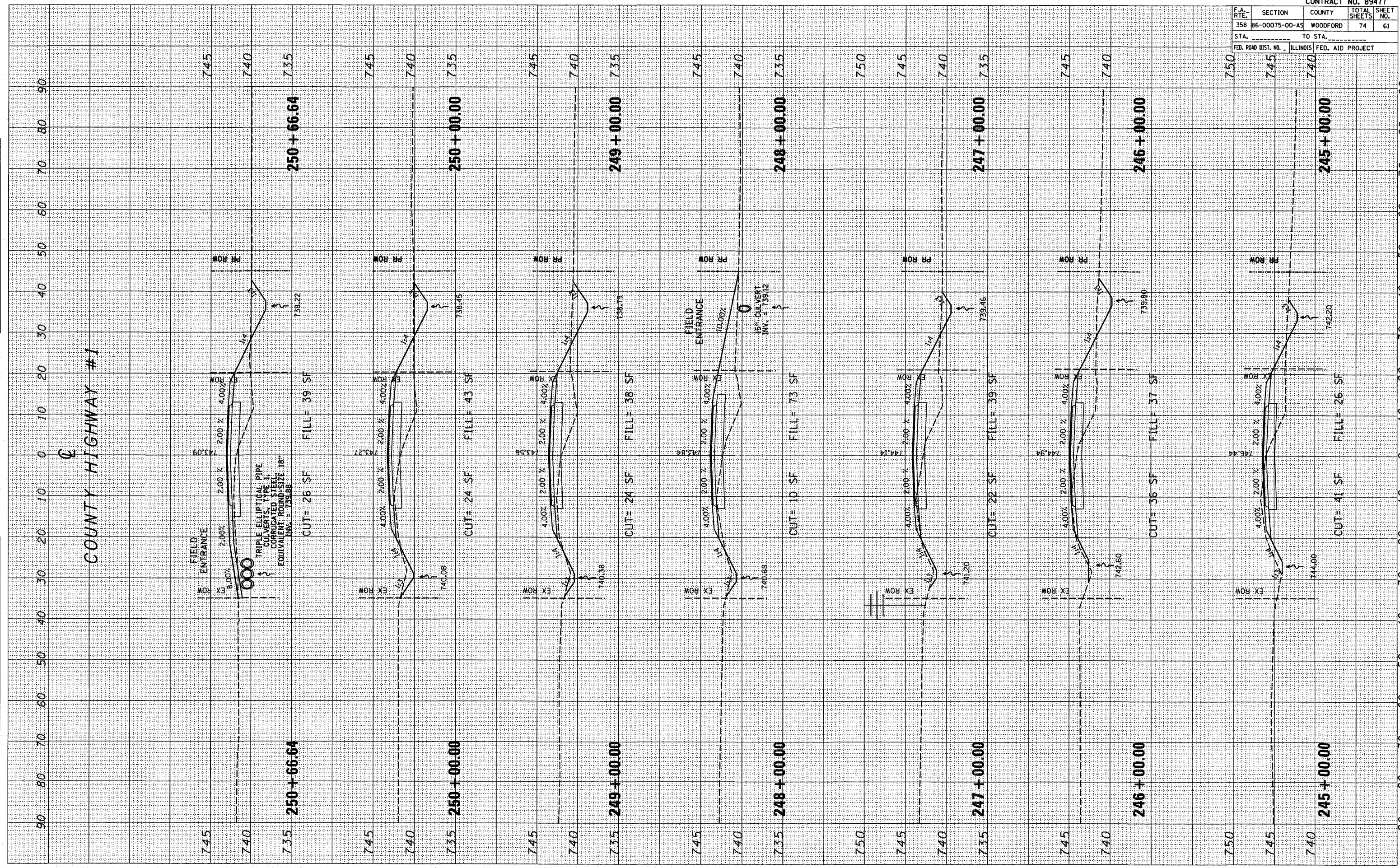


FINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTED		
AREAS CHECKED		

PLOT DATE: * * * * *
 FILE NAME: * * * * *
 PLOT SCALE: * * * * *
 USER NAME: * * * * *

CONTRACT NO. 89477			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
358	B6-00075-00-A5	WOODFORD	74
STA.	TO STA.		SHEET NO.
FED. ROAD DIST. NO.	ILLINOIS		61
FED. AID PROJECT			



COUNTY HIGHWAY #1 CROSS SECTIONS

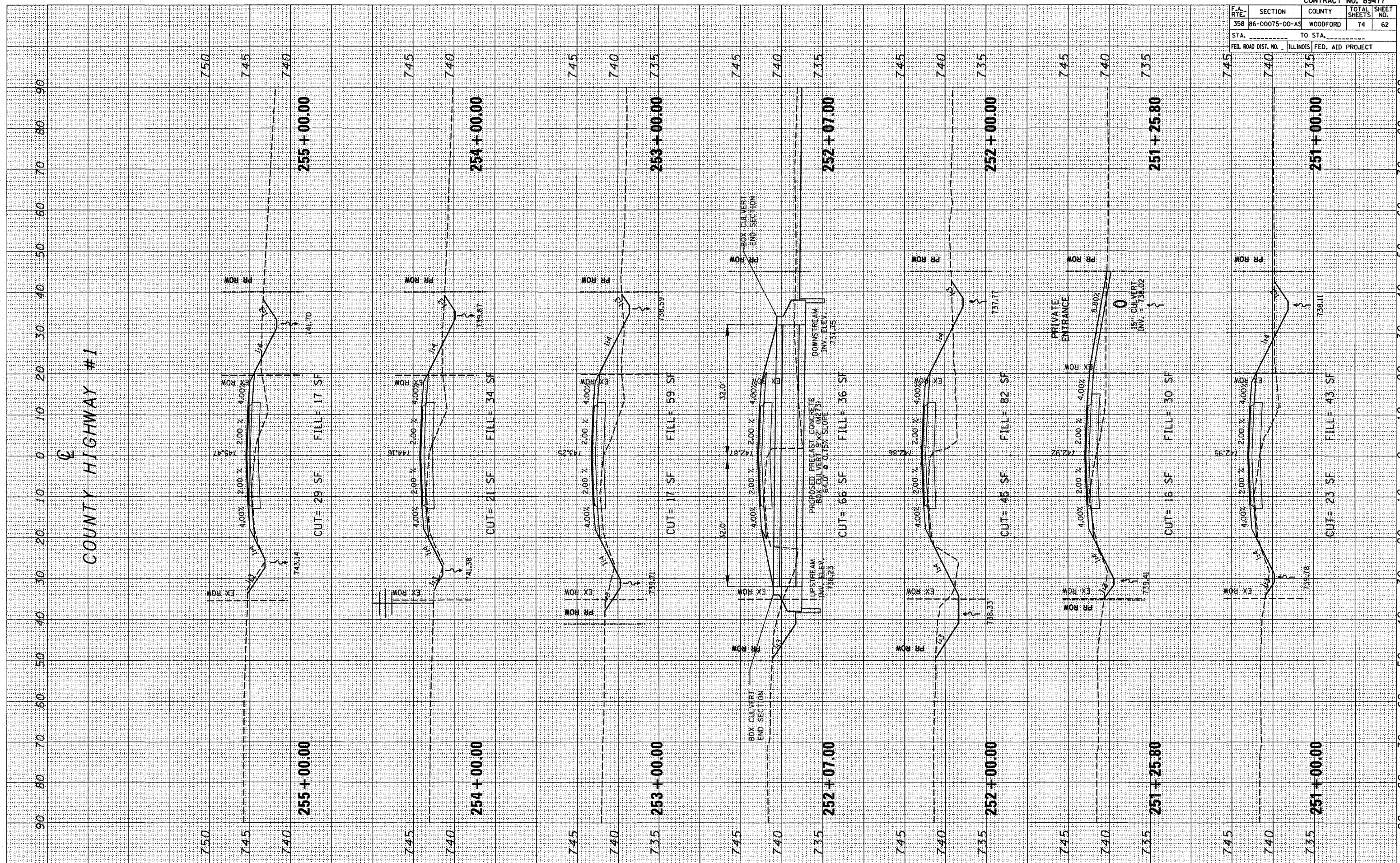
PLOT DATE * DATES
 FILE NAME * FILES
 PLOT SCALE * SCALES
 USER NAME * USERS

ORIGINAL SURVEY NO.
 SURVEY NO.
 TEMPLATE AREAS CHECKED

FINAL SURVEY NO.
 SURVEY NO.
 TEMPLATE AREAS CHECKED

BY DATE

COUNTY HIGHWAY #1



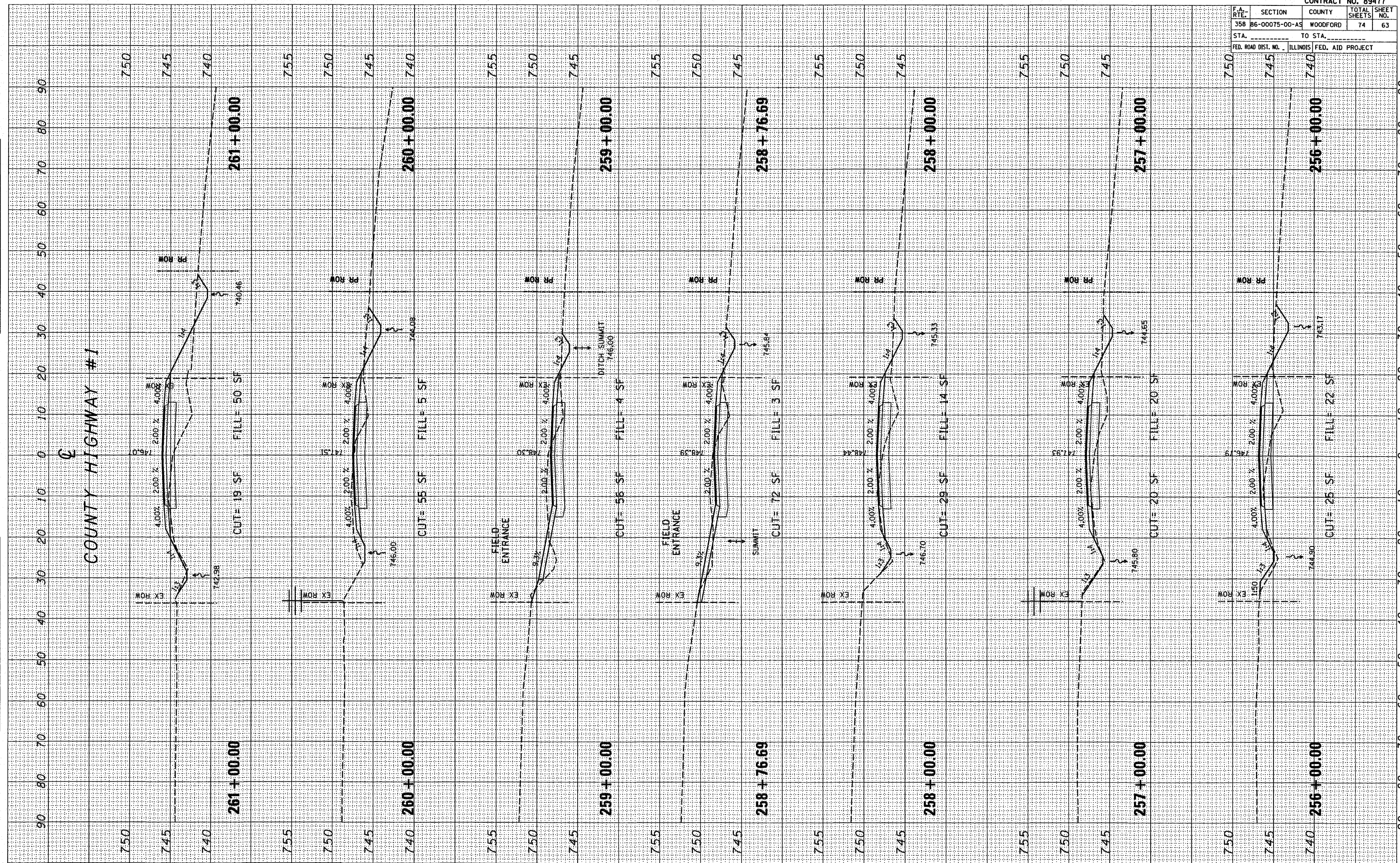
CONTRACT NO. 89477			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
358	86-00075-00-A5	WOODFORD	74
SHEET NO.		62	
STA.	TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	63
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK NO. _____		
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK NO. _____		
AREAS CHECKED		

PLOT DATE = 04/15/03
 FILE NAME = 89477-01
 PLOT SCALE = 1"=40'
 USER NAME = JWB

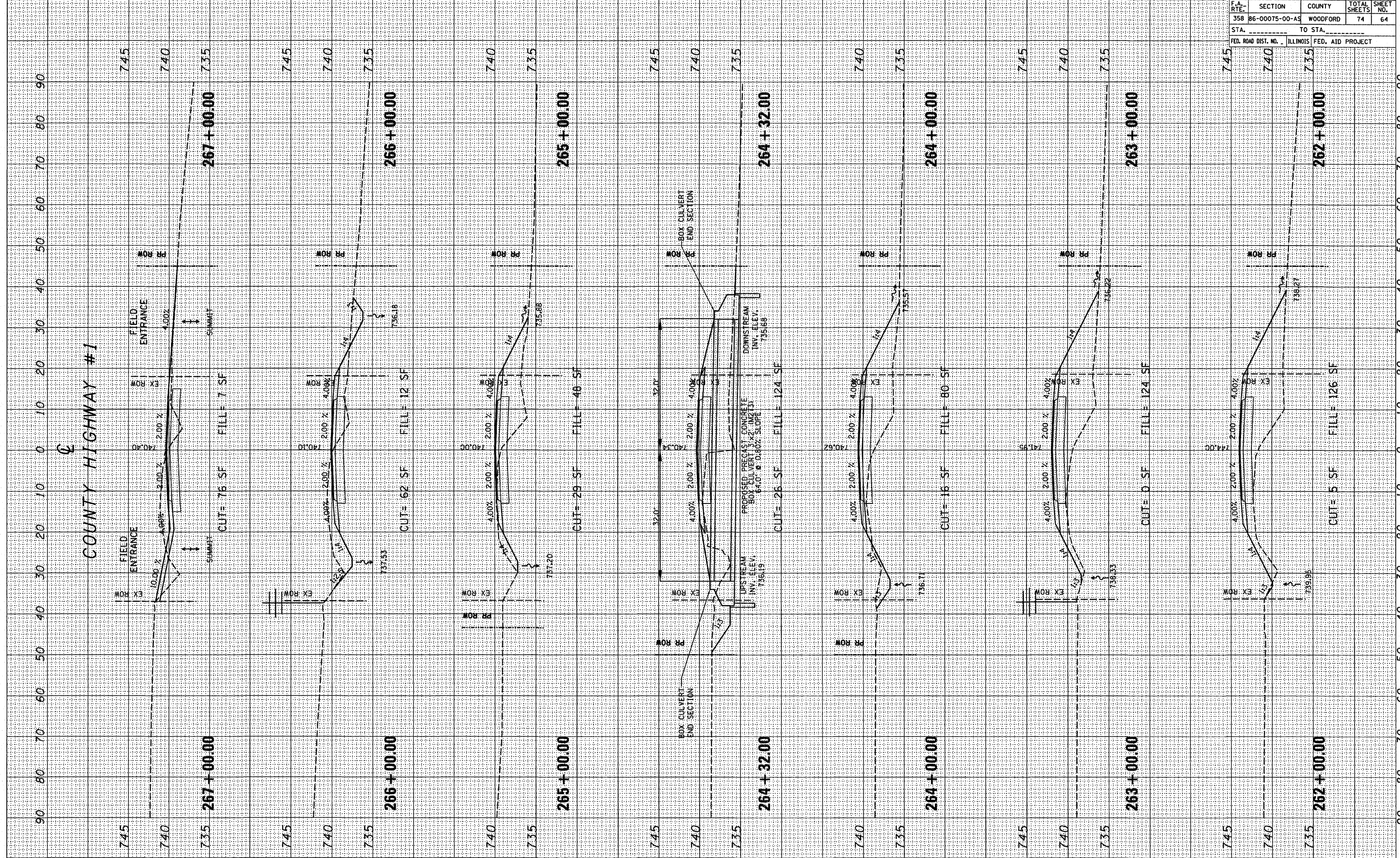


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	64
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NO.		
NO.		
NO.		
NO.		

ORIGINAL SURVEY	BY	DATE
NO.		
NO.		
NO.		
NO.		

PLOT DATE * DATE *
 FILE NAME * FILE *
 PLOT SCALE * SCALE *
 USER NAME * USER *

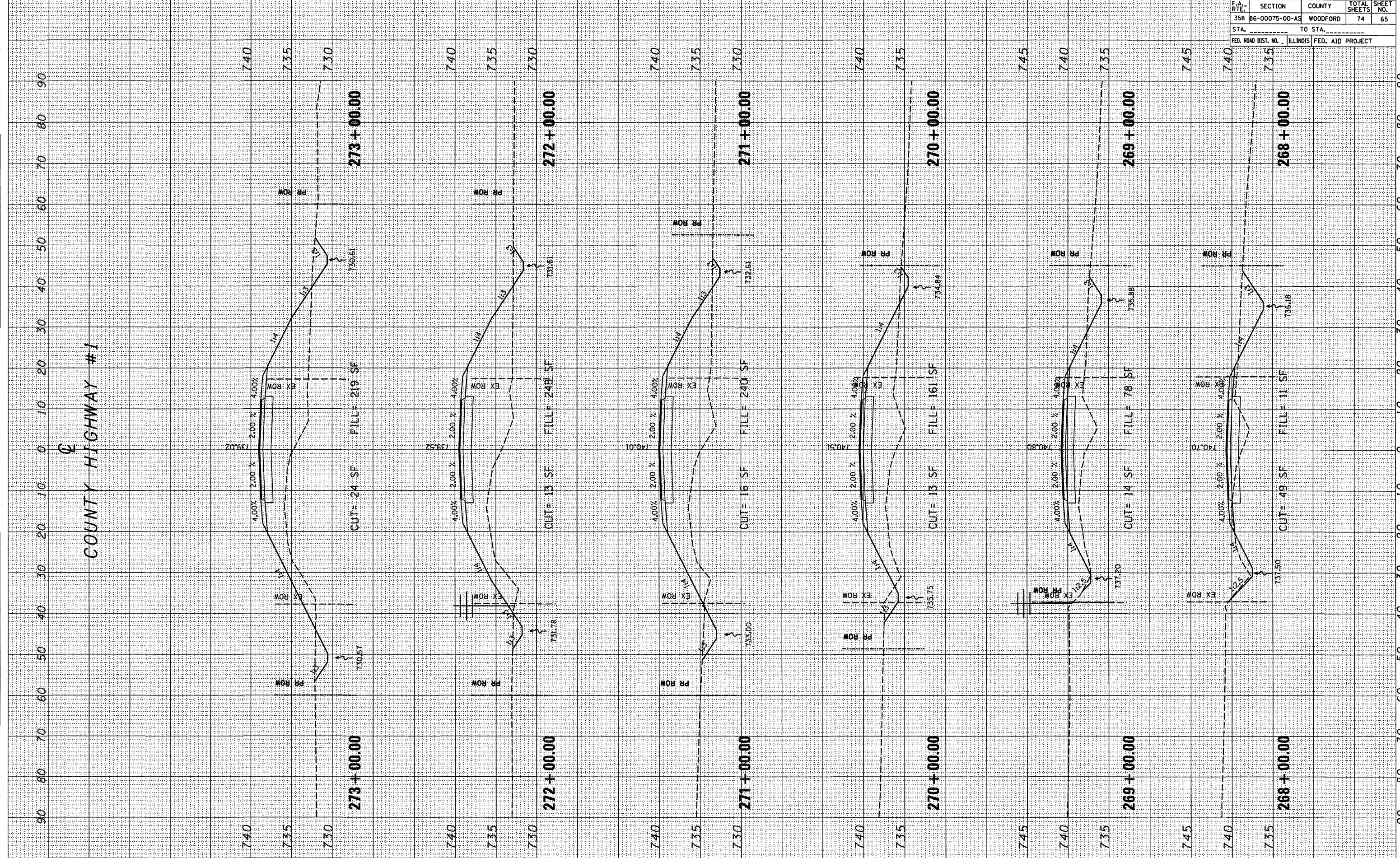


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
35B	86-00075-00-AS	WOODFORD	74	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

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 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

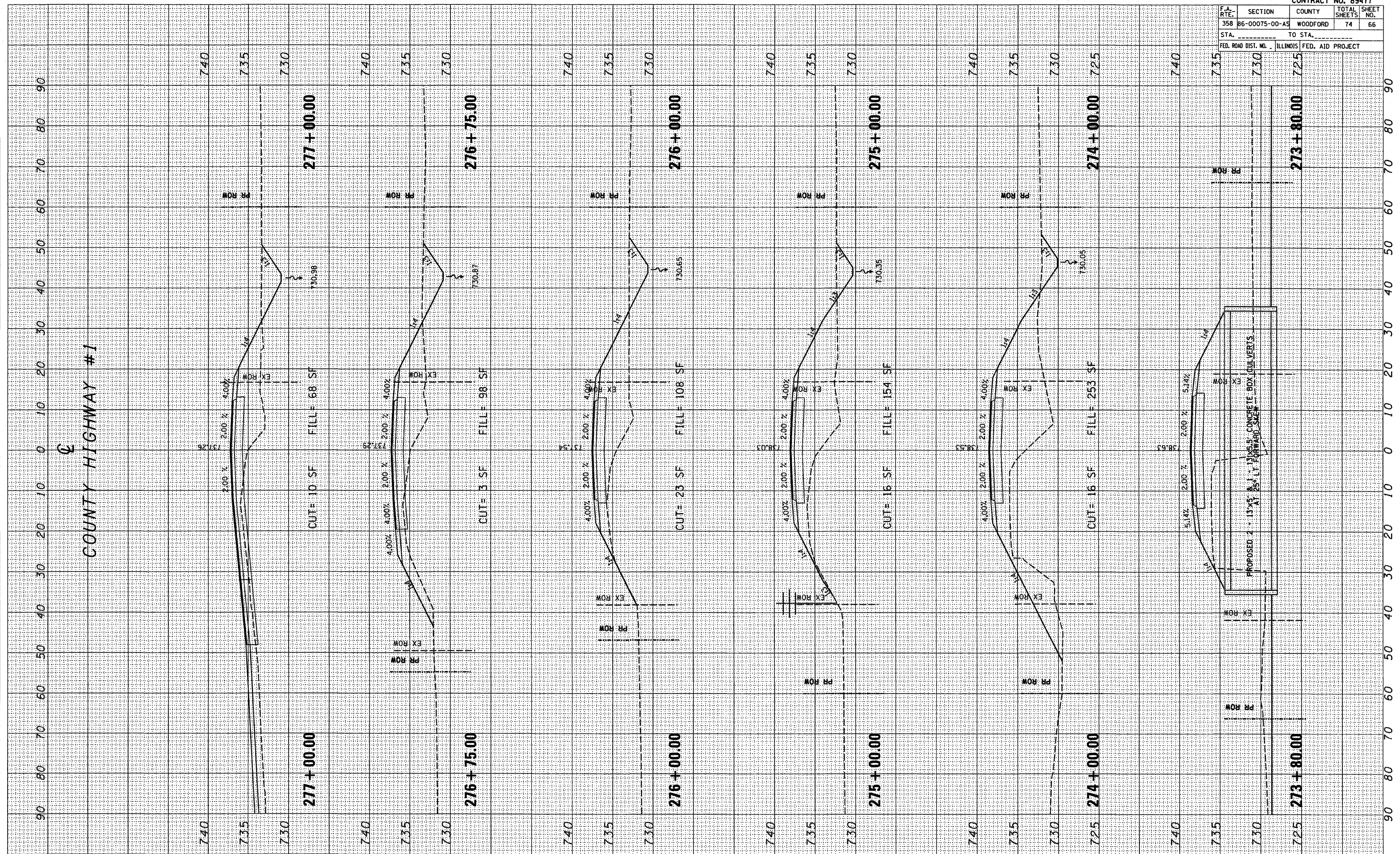


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-A3	WOODFORD	74	66
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

PLOT DATE = 8/20/15
 FILE NAME = 8/20/15
 PLOT SCALE = 1"=40'
 USER NAME = WJG

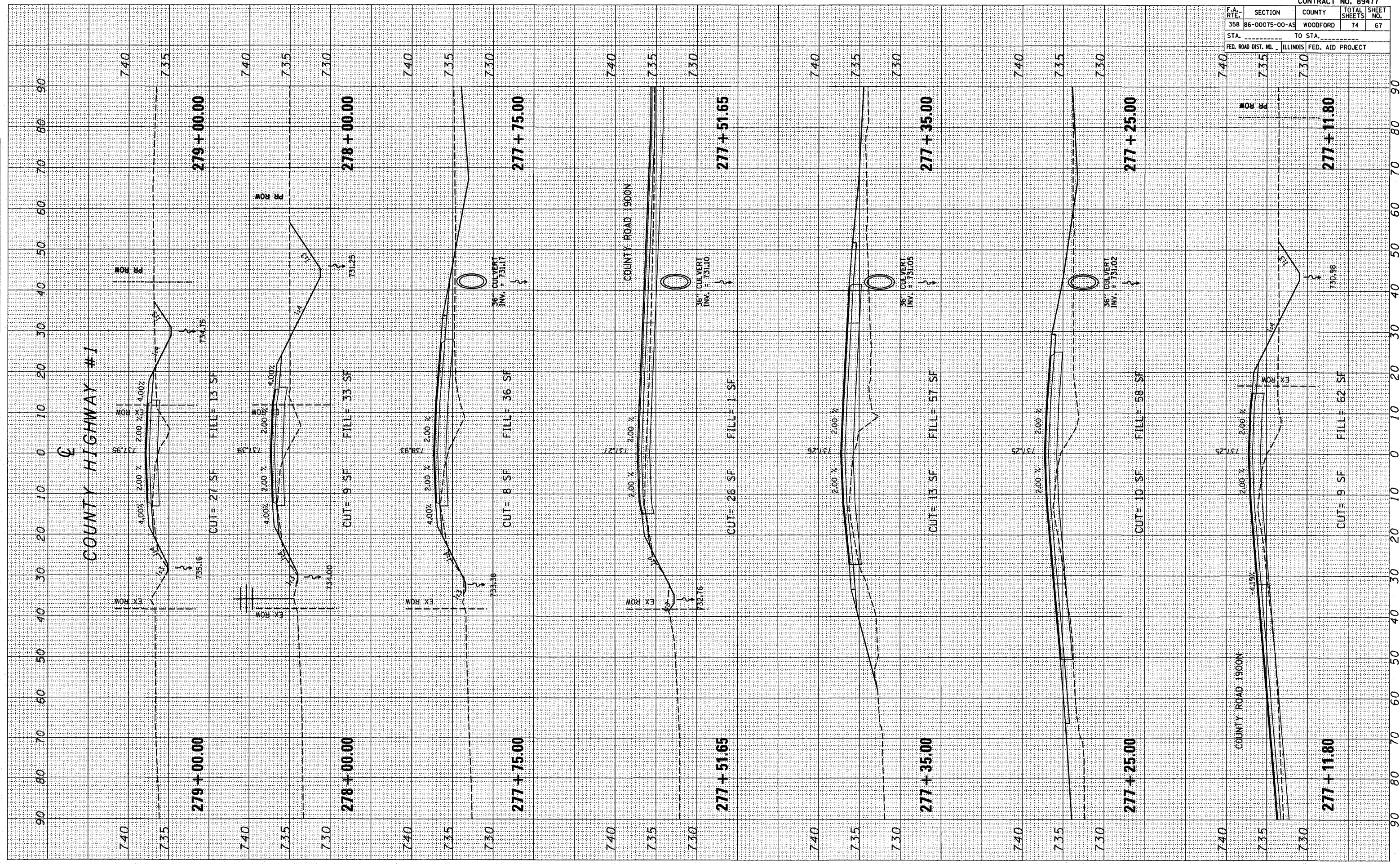


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = 8/07/88
 FILE NAME = 87LE18
 PLOT SCALE = 8/32000
 USER NAME = BUBERS

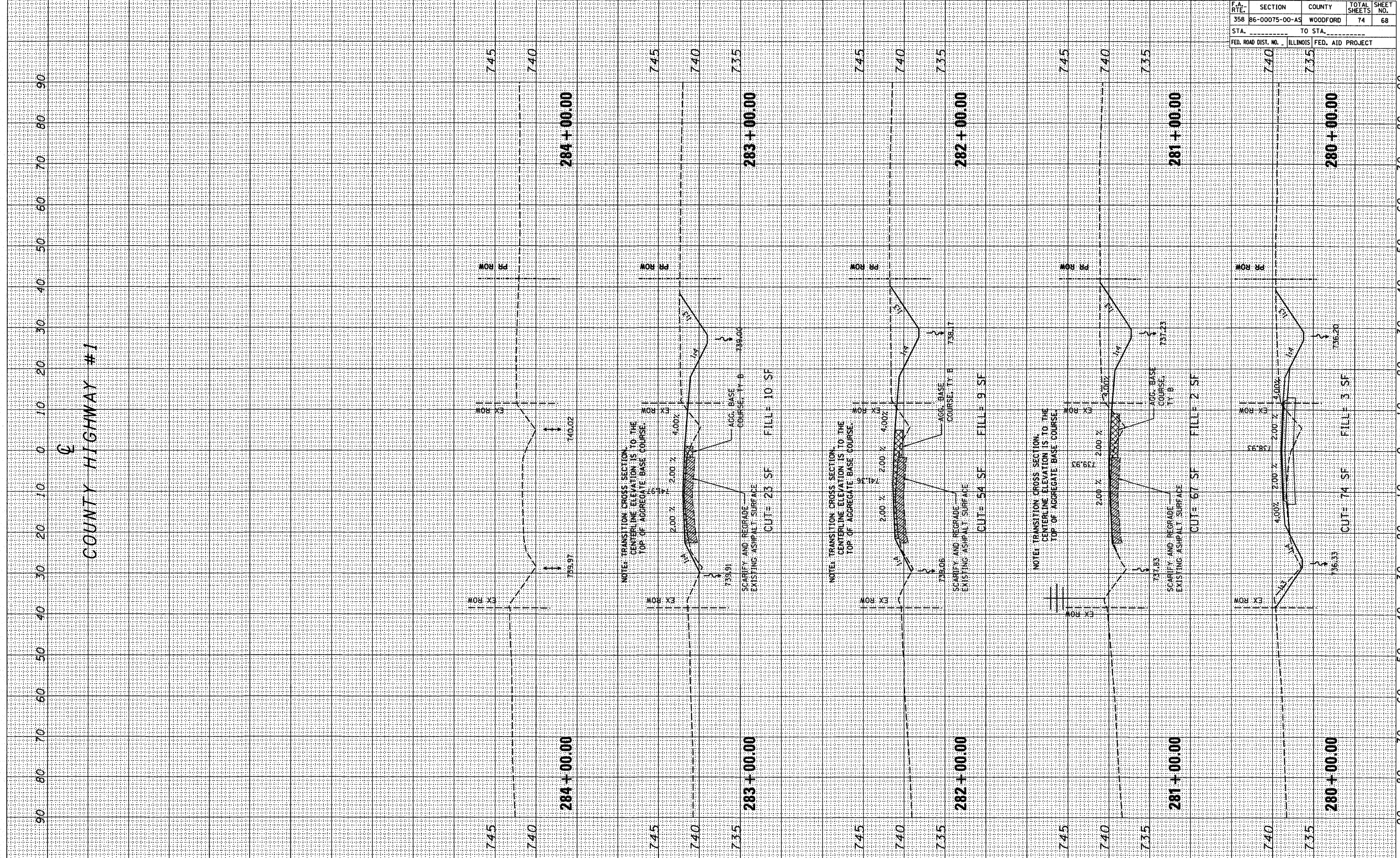


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	68
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS	
CHECKED	

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

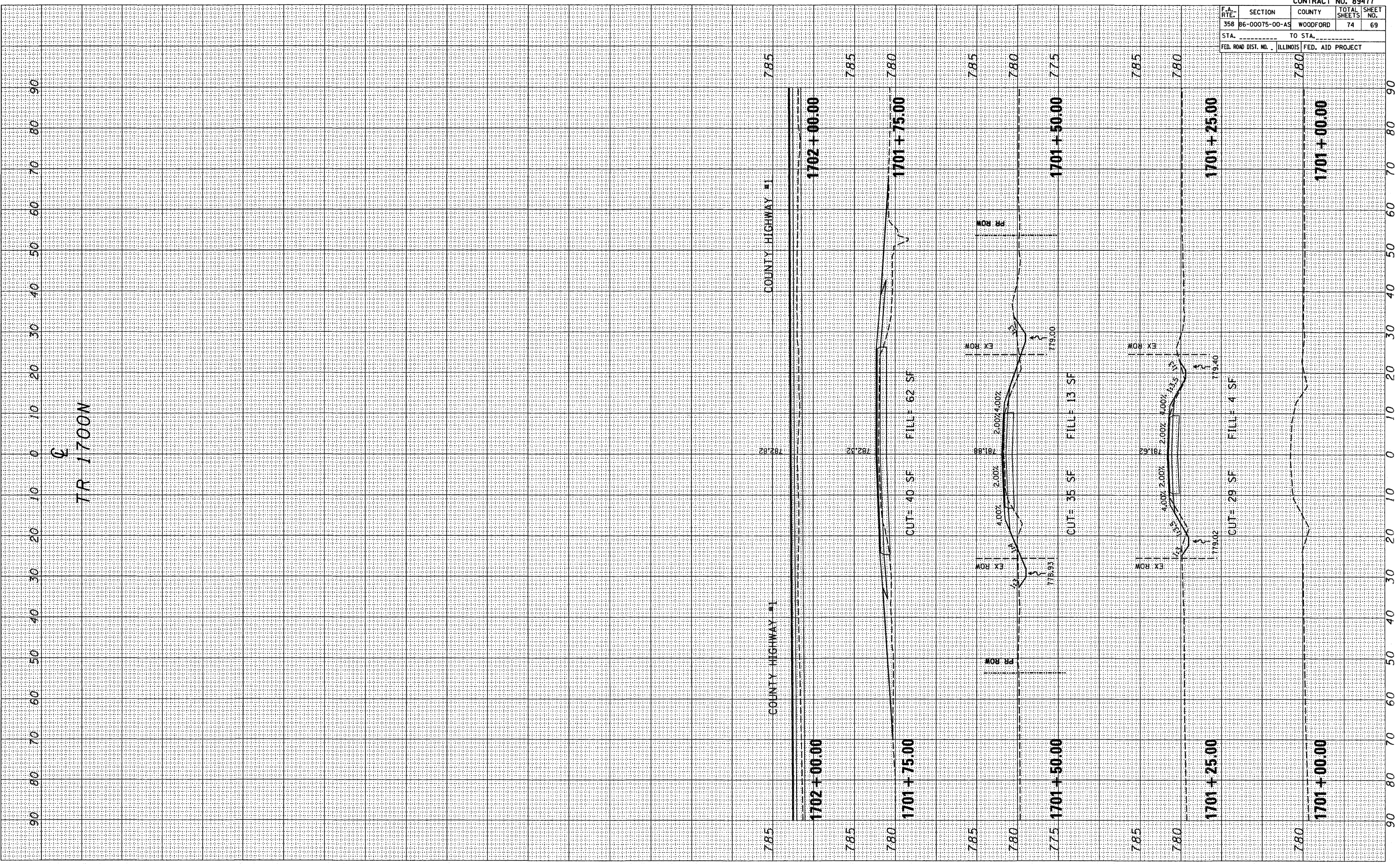


PLOT DATE * * * * *
 FILE NAME * * * * *
 PLOT SCALE * * * * *
 USER NAME * * * * *

ORIGINAL SURVEY BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. _____
 AREAS CHECKED _____

FINAL SURVEY BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. _____
 AREAS CHECKED _____

CONTRACT NO. 89477			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
358	86-00075-00-AS	WOODFORD	74
STA.	TO STA.		SHEET NO.
			69
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



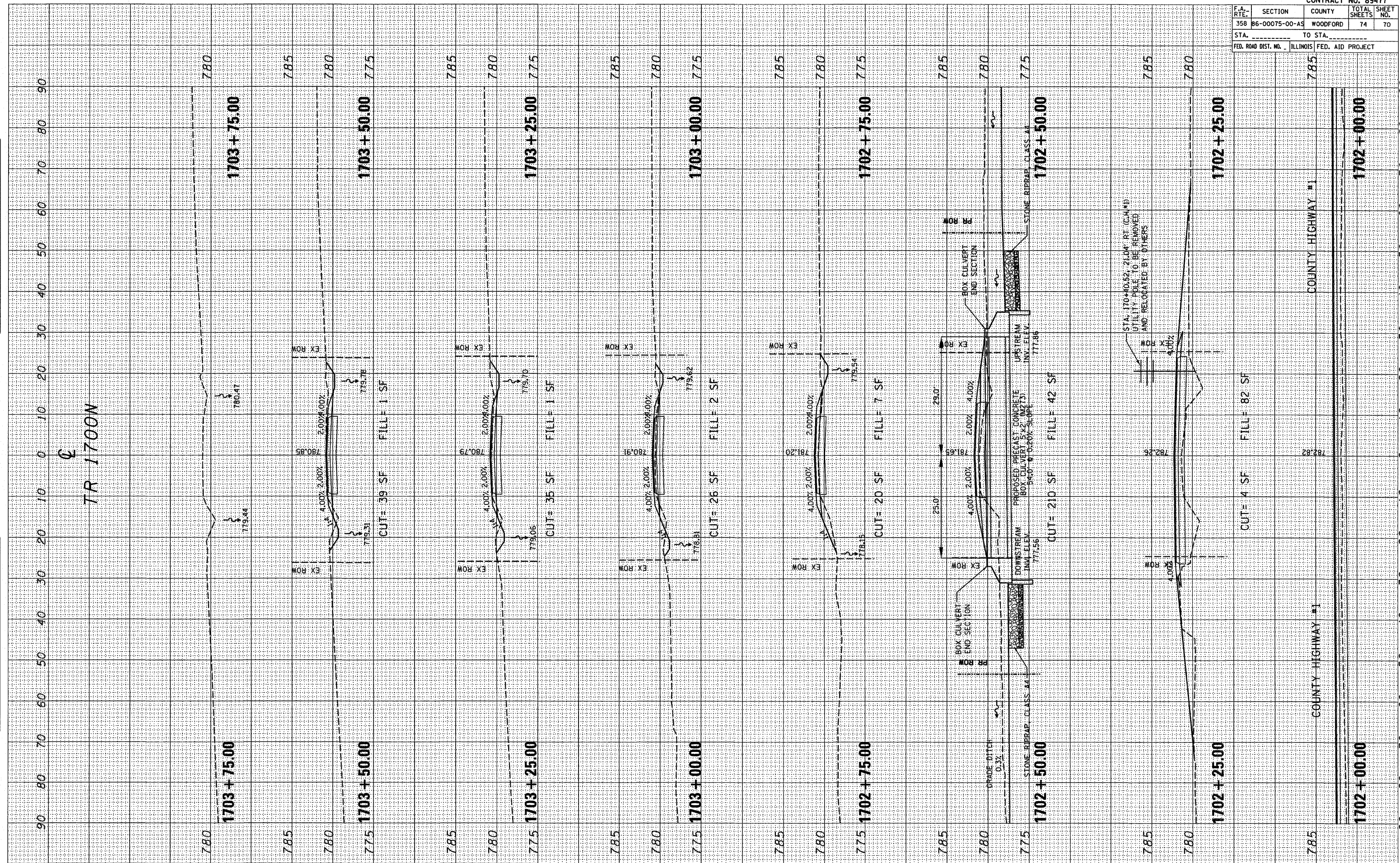
TR 1700N CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	70
STA. _____		TO STA. _____		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

PLOT DATE: * * * * *
 FILE NAME: * * * * *
 PLOT SCALE: * * * * *
 USER NAME: * * * * *



TR 1700N CROSS SECTIONS

Sheet: 1700 CL2.dwg 4/15/2009 3:06:34 PM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	B6-00075-00-AS	WOODFORD	74	71
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

BY	DATE

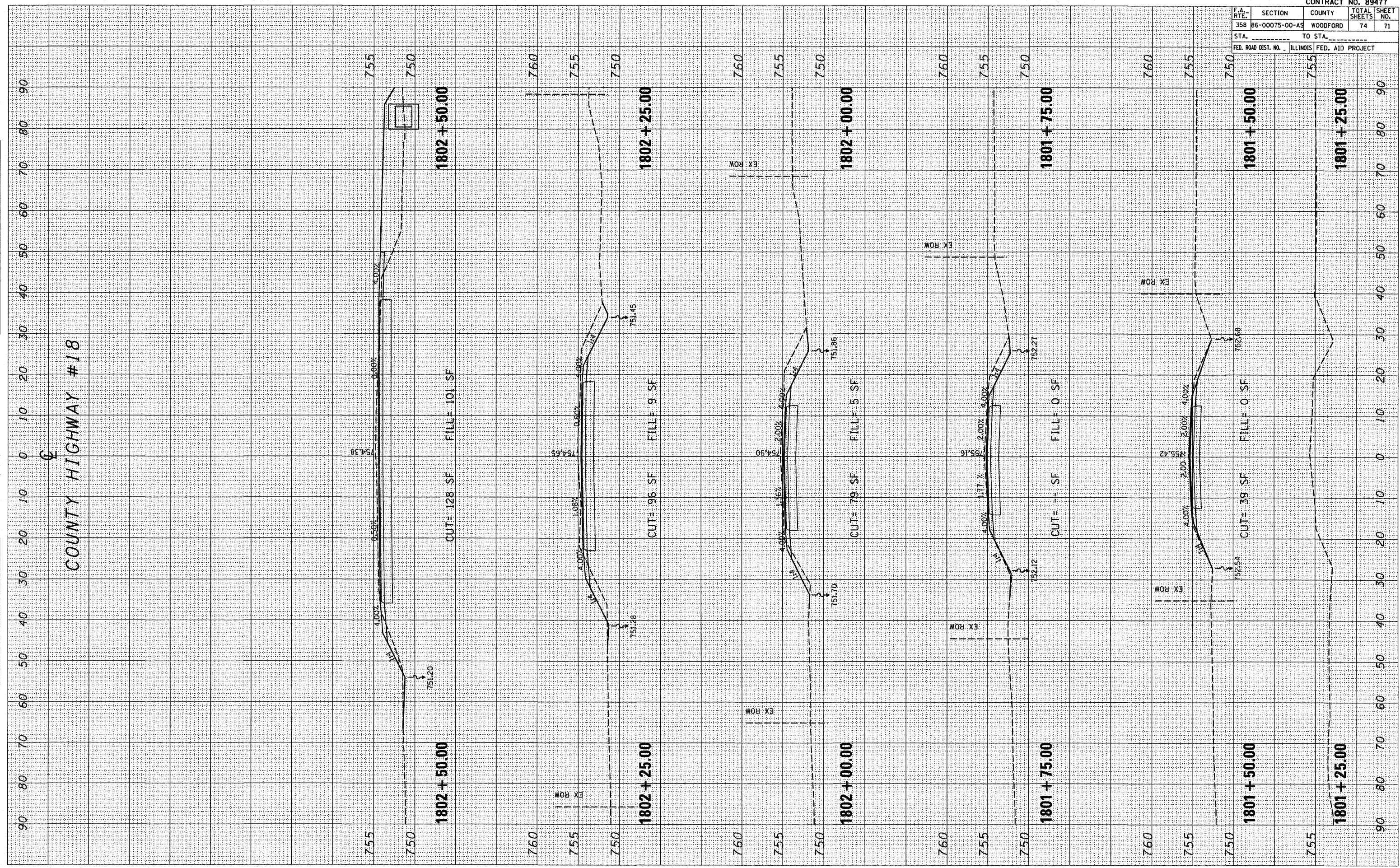
SURVEYED	
FILED	
NOTED	
AREAS CHECKED	
NO.	

BY	DATE

SURVEYED	
FILED	
NOTED	
AREAS CHECKED	
NO.	

PLOT DATE: 8/15/2009
 FILE NAME: 8/15/2009 9:07:33 PM
 PLOT SCALE: 1"=40'
 USER: N/A

COUNTY HIGHWAY #18



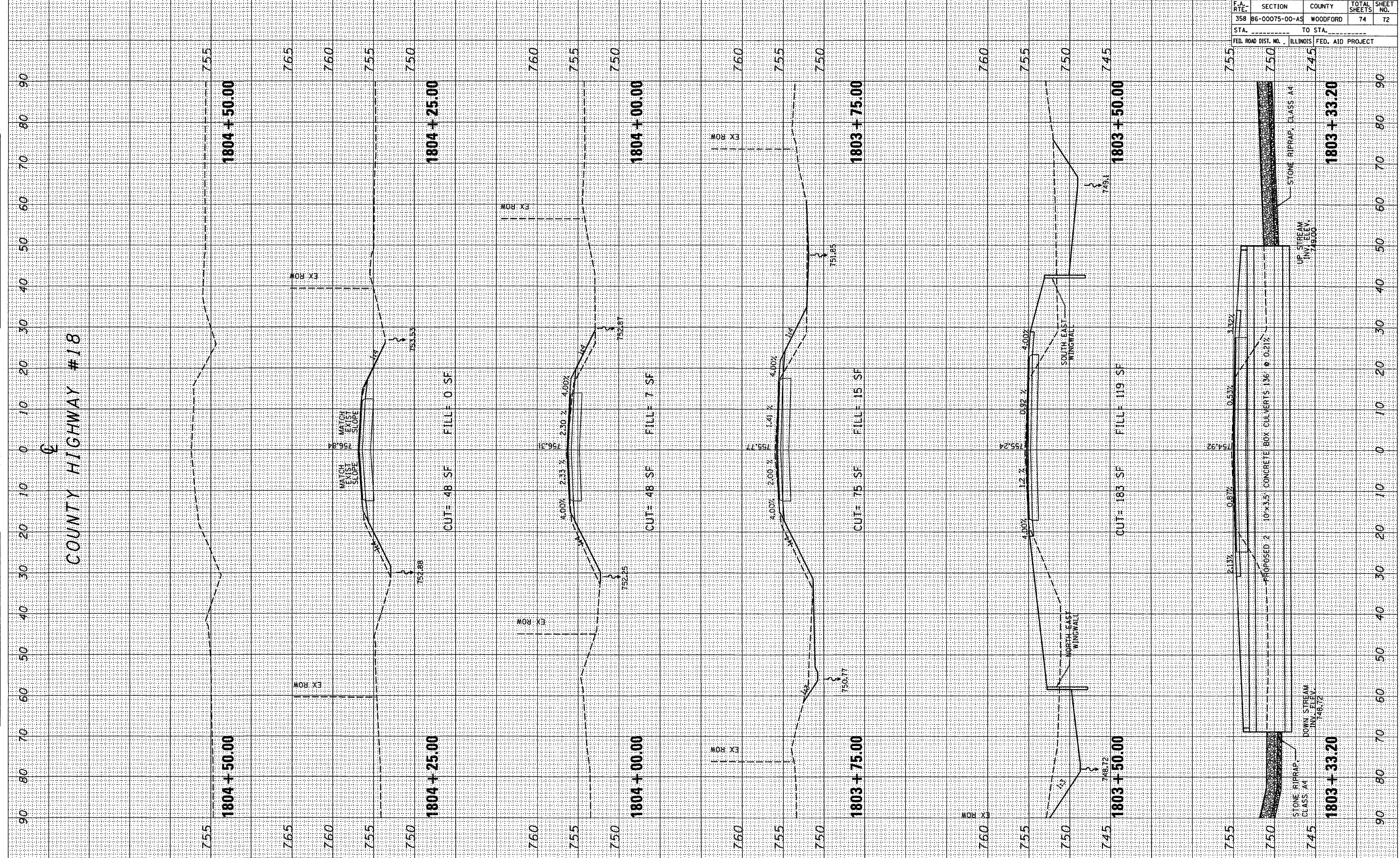
TR 1800N CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	72
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

FINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

ORIGINAL SURVEY	BY _____	DATE _____
NOTE BOOK	NO. _____	
AREAS CHECKED		

PLOT DATE: _____
 FILE NAME: _____
 PLOT SCALE: _____
 USER NAME: _____



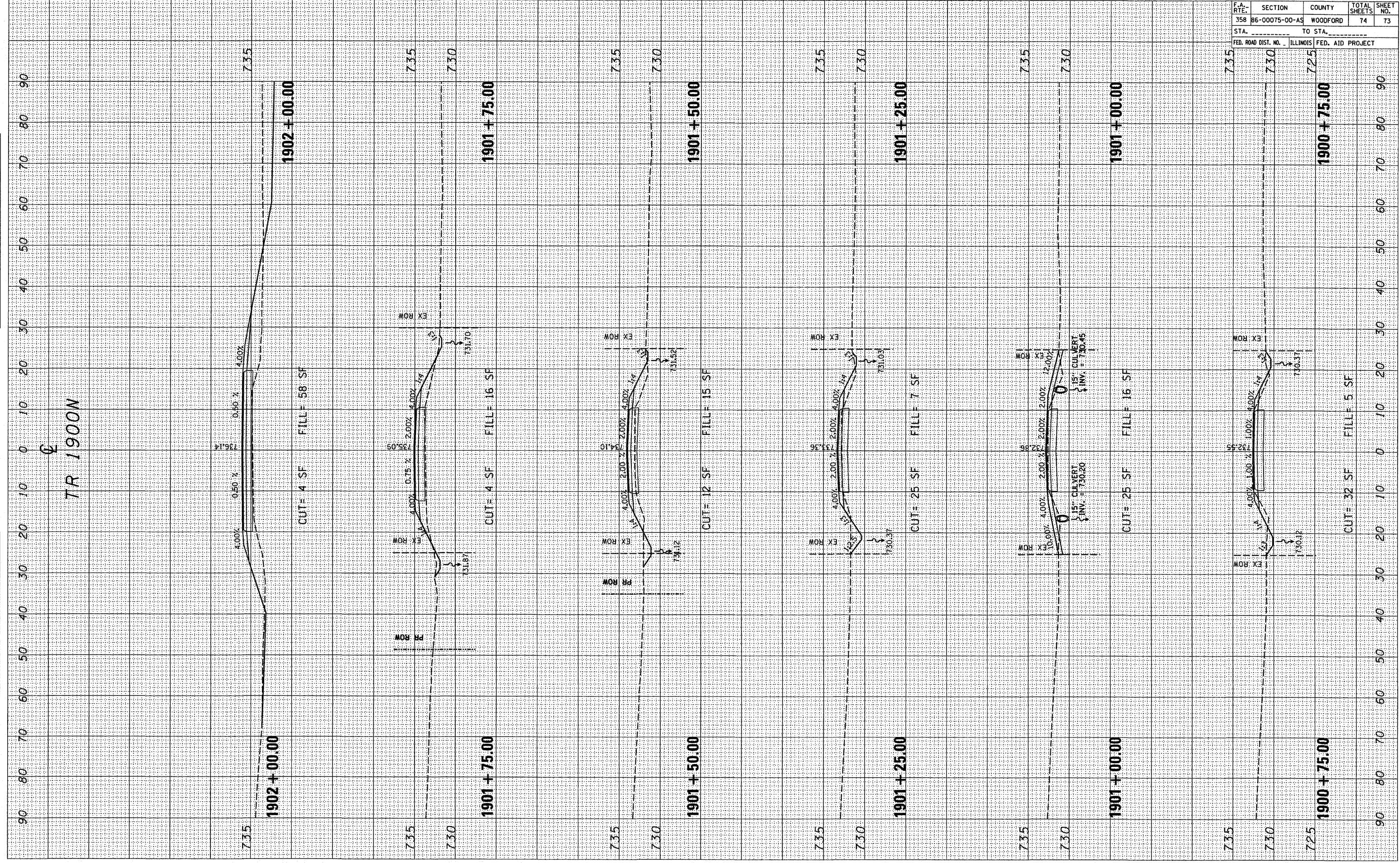
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = 04/07/08
 FILE NAME = 8741E18
 PLOT SCALE = 85/3200
 USER NAME = WJERN

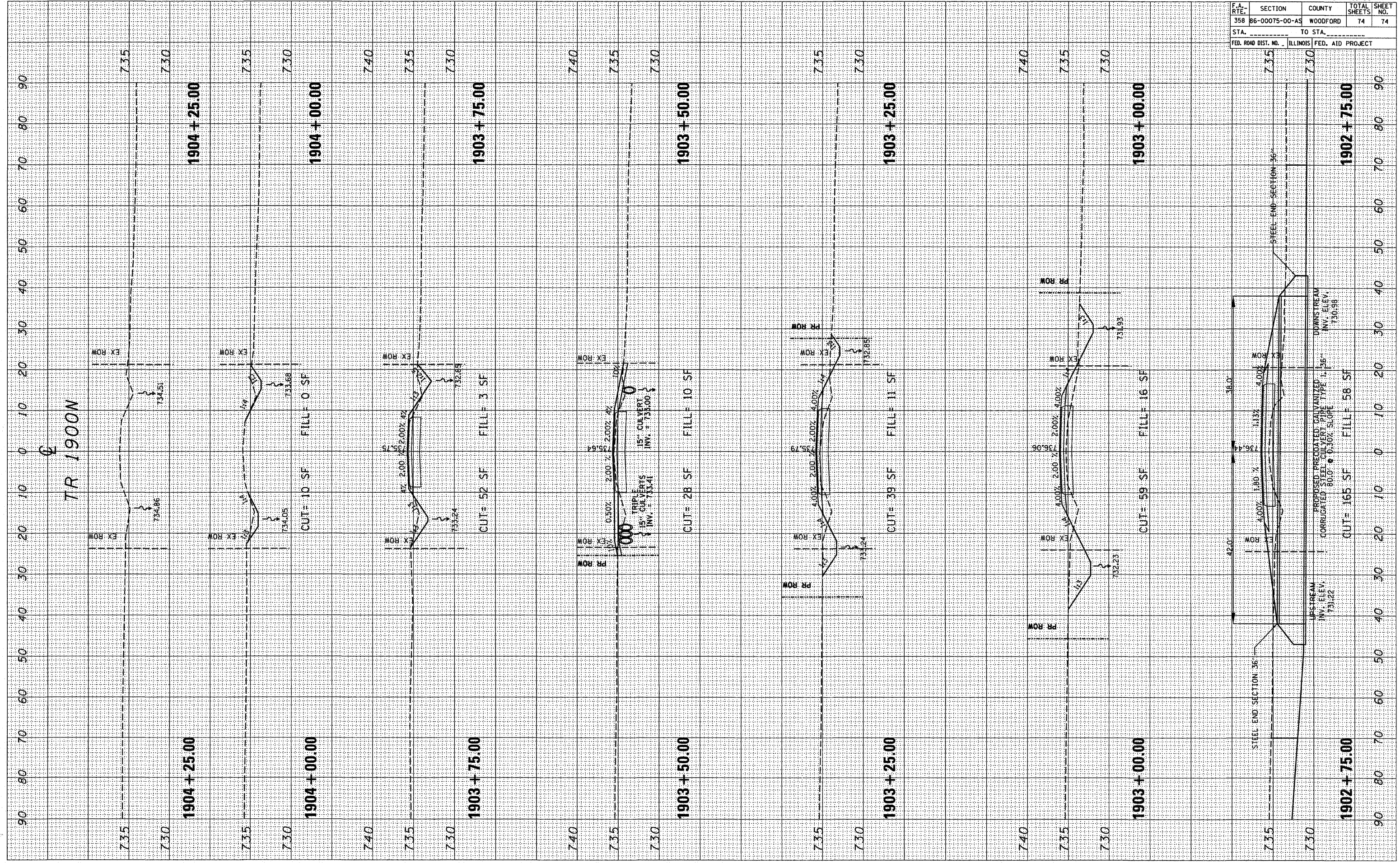


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
358	86-00075-00-AS	WOODFORD	74	74
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS		
AREAS CHECKED		

PLOT DATE: * DATES *
 FILE NAME: * FILES *
 PLOT SCALE: * SCALES *
 USER NAME: * USERS *



TR 1900N CROSS SECTIONS