

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2, TS	WILLIAMSON	90	1

CONTRACT NO 98884

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 726 (ILLINOIS 148)
SECTION 130 I-2, TS
FEDERAL PROJECT NO: HS-0726(053)
INTERSECTION OF ILL 148 AND
GRAND ROAD/MCCREE ROAD
TRAFFIC SIGNALS
WILLIAMSON COUNTY
C-99-015-05

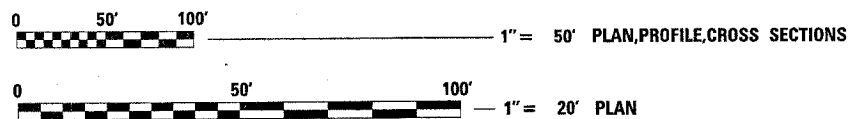
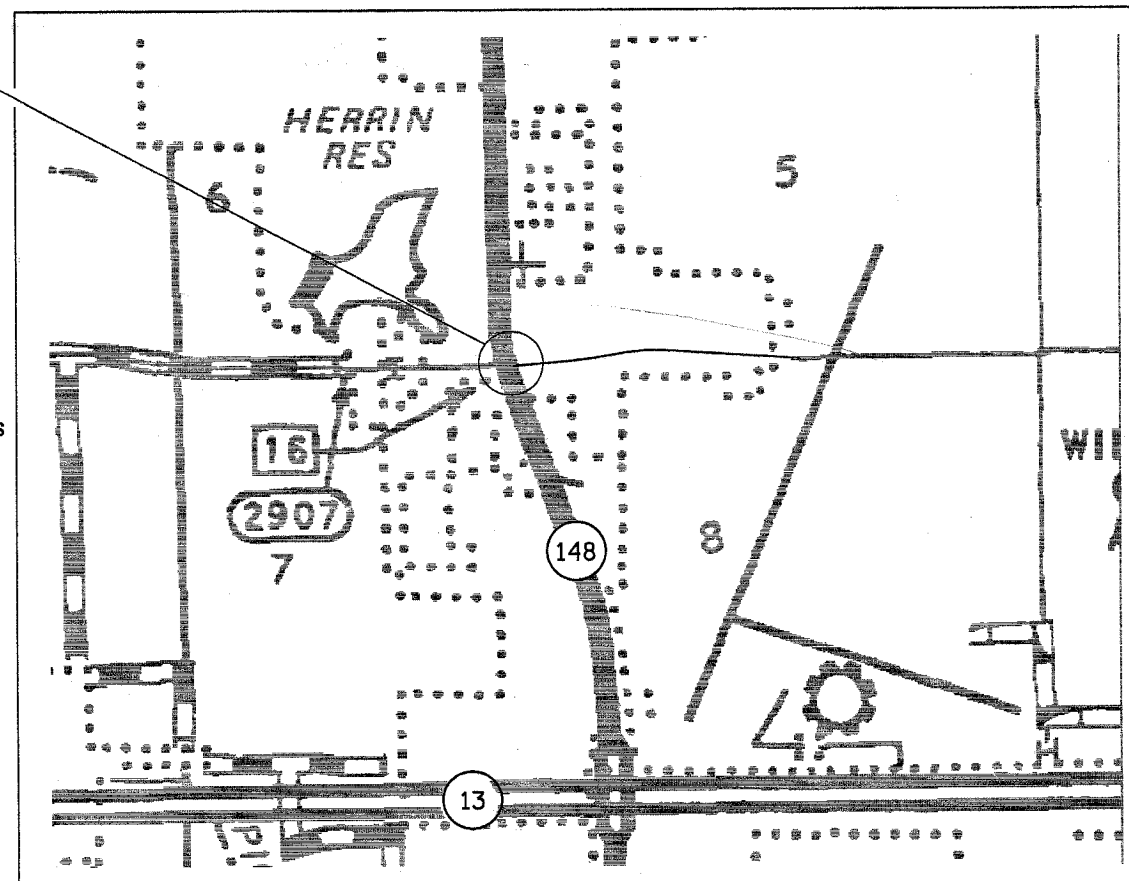
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3 & 4

APPROACH	ADT (2003)	% TRUCKS
ILL 148 N OF GRAND ROAD	16,600	2%
MCCREE RD E OF ILL 148	150	0%
ILL 148 S OF GRAND ROAD	16,000	2%
GRAND ROAD W OF ILL 148	3,650	1%

D-99-027-04



PROJECT LOCATION
BEGIN STATION - 112+37
END STATION 119+00



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 or www.julie1call.com

HERRIN TOWNSHIP
CONTRACT NO. 98884

GROSS LENGTH OF PROJECT = 0.13 MILES
NET LENGTH OF PROJECT = 0.13 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 17 20 05
Man Clami
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 25, 20 05
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 20 05
Victor Maden
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

D902704/D902704MS.DGN
(618) 549-2171
CENTREX 782-6554
PROJECT ENGINEER: SUSAN POE
SQUAD LEADER: SUSAN POE

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL BITUMINOUS CONCRETE	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL./SQ. YD.
INTERMEDIATE LIFTS (FOG COAT)	0.04 GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.
RIPRAP	1.50 TONS/CU. YD.

PROTECTIVE COAT SHALL BE APPLIED TO ALL PCC PAVEMENT, PCC DRIVEWAY PAVEMENT, SIDEWALKS, GUTTER FLAGS, AND FACE OF CURB AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.

AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B

AFTER A LIFT OF BITUMINOUS CONCRETE HAS BEEN PLACED ON A LANE, THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150°

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER AND CONCRETE GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

COST OF AGGREGATE FILL SPECIFIED IN ARTICLE 606.08 OF THE STANDARD SPECIFICATIONS UNDER THE CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE.

THE FURNISHING AND INSTALLATION OF THE 1 1/2" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER, EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAW CUT.

WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY SHALL BE SECURELY COVERED IN WHITE PLASTIC.

EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, AND GULFBOX JUNCTIONS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST TO FIT FIELD CONDITIONS IF NECESSARY.

ALL PROPOSED MAST ARMS SHALL BE LOCATED NO CLOSER THAN 6 FT. FROM FACE OF CURB TO CENTER OF POLE.

THE LOCATION OF THE DETECTOR LOOPS MAY BE ADJUSTED TO FIT FIELD CALCULATIONS AS DIRECTED BY THE ENGINEER OF OPERATIONS.

THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT AND SURFACE COURSE, AT THE RATE OF 4 FEET IN 40 FEET.

UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR ACTUAL LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.

THE EXCAVATION FOR THE PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS PROVIDED IN THE CONTRACT SPECIFICATIONS. EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION OPERATIONS.

THERE ARE NO AVAILABLE WASTE SITES ON THE EXISTING RIGHT-OF-WAY WITHIN THE PROJECT LIMITS.

THE QUANTITY OF EROSION CONTROL BLANKET SHOWN IN THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.

SUPERELEVATION CORRECTION SHOULD BE ACCOMPLISHED WITH MILLING

COMMITMENTS: NONE.

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606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-01	OFF-ROAD OPERATIONS 2L, 2W, 15' MIN AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 15' TO PAVEMENT EDGE FOR SPEED EQUAL TO OR GREATER THAN 45 MPH
701101-01	OFF-ROAD OPERATIONS, MULTILANE LESS THAN 15' AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
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701602-02	URBAN LANE CLOSURE, MULTILANE WITH LEFT TURN LANE
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-05	TRAFFIC CONTROL DEVICES
720016-01	MAST ARM MOUNTED STREET NAMES SIGNS
780001-01	TYPICAL PAVEMENT MARKINGS
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO 98884				

Prepared By:	<i>Joe J. ...</i> DISTRICT STUDIES & PLANNING ENGINEER
Examined By:	<i>J. ...</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>...</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>...</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>...</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>...</i> DISTRICT MATERIALS ENGINEER
Approved By:	<i>...</i> DISTRICT PROJECT IMPLEMENTATION ENGINEER DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER DATE: 12/17/20 05

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONST TYPE CODE		1000-1A	Y031-1F	Y030-1E
		UNIT	TOTAL QUANTITIES	ROADWAY HES 90% FED 10% STATE	TRAFFIC SIGNALS 90% FED 10% STATE	LIGHTING 90% FED 10% STATE
20200100	EARTH EXCAVATION	CU YD	421	421		
20400800	FURNISHED EXCAVATION	CU YD	57	57		
20800150	TRENCH BACKFILL	CU YD	33	33		
25000115	SEEDING, CLASS 1B	ACRE	0.5	0.5		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	60	60		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	60	60		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	60	60		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1		
25100115	MULCH, METHOD 2	ACRE	0.5	0.5		
25100630	EROSION CONTROL BLANKET	SQ YD	2420	2420		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150		
28000300	TEMPORARY DITCH CHECKS	EACH	5	5		
28000500	INLET AND PIPE PROTECTION	EACH	2	2		
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SQ YD	131	131		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	22	22		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	686	686		
40600300	AGGREGATE (PRIME COAT)	TON	13	13		
40600980	BITUMINOUS SURFACE REMOVAL, BUTT JOINT	SOYD	19	19		
40600990	TEMPORARY RAMP	SQ YD	103	103		
42001300	PROTECTIVE COAT	SQ YD	98	98		
44000006	BITUMINOUS SURFACE REMOVAL, 1-1/2"	SQ YD	897	897		
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	4568	4568		
44000100	PAVEMENT REMOVAL	SQ YD	622	622		
44002805	ISLAND REMOVAL	SQ FT	90	90		
44004250	PAVED SHOULDER REMOVAL	SQ YD	340	340		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	24	24		
44213200	SAWCUTS	FOOT	81	81		
48100700	AGGREGATE SHOULDERS, TYPE A, 8"	SQ YD	240	240		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	13	13		
48202600	BITUMINOUS SHOULDERS SUPERPAVE, 8"	SQ YD	508	508		
50105220	PIPE CULVERT REMOVAL	FOOT	71	71		
54200439	PIPE CULVERT, TYPE 1 RCCP, 24"	FOOT	80	80		
54213669	PRECAST REINFORCED FLARED END SECTION, 24"	EACH	2	2		
60608600	COMBINATION CURB AND GUTTER M-6.06	FOOT	65	65		
60610400	COMBINATION CURB AND GUTTER M-6.24	FOOT	107	107		
60618300	CONCRETE MEDIAN SURFACE, 4"	SQFT	590	590		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	720	720		
70300210	TEMPORARY PAVEMENT MARKING-LETTERS & SYMBOLS	SQ FT	109	109		
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	5549	5549		
70300260	TEMPORARY PAVEMENT MARKING-LINE 12"	FOOT	304	304		
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	180	180		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2863	2863		
*72000100	SIGN PANEL - TYPE 1	SQ FT	55		55	

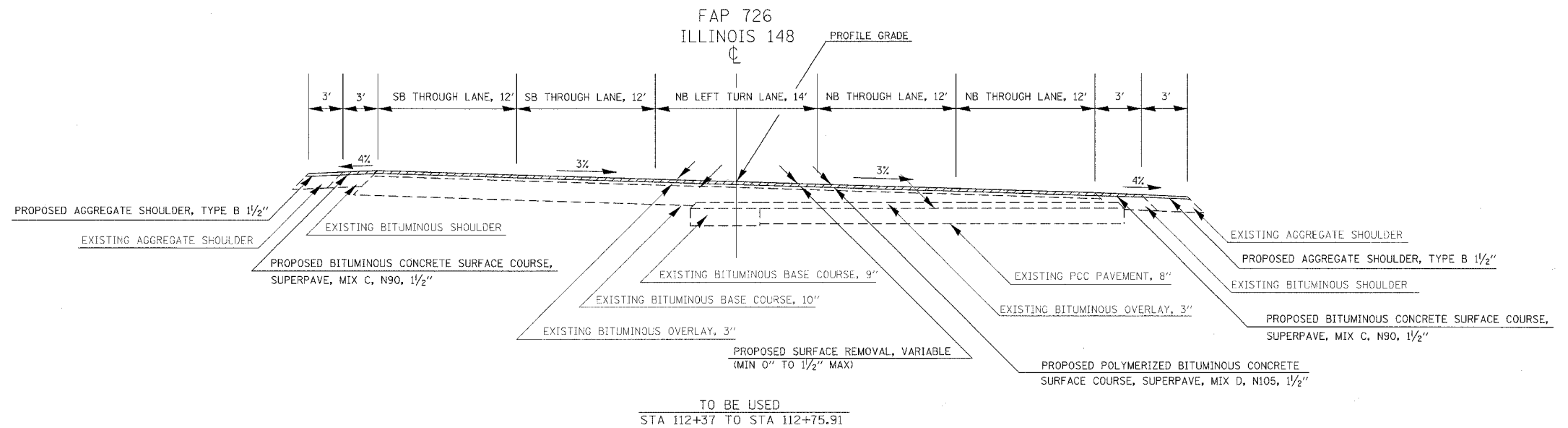
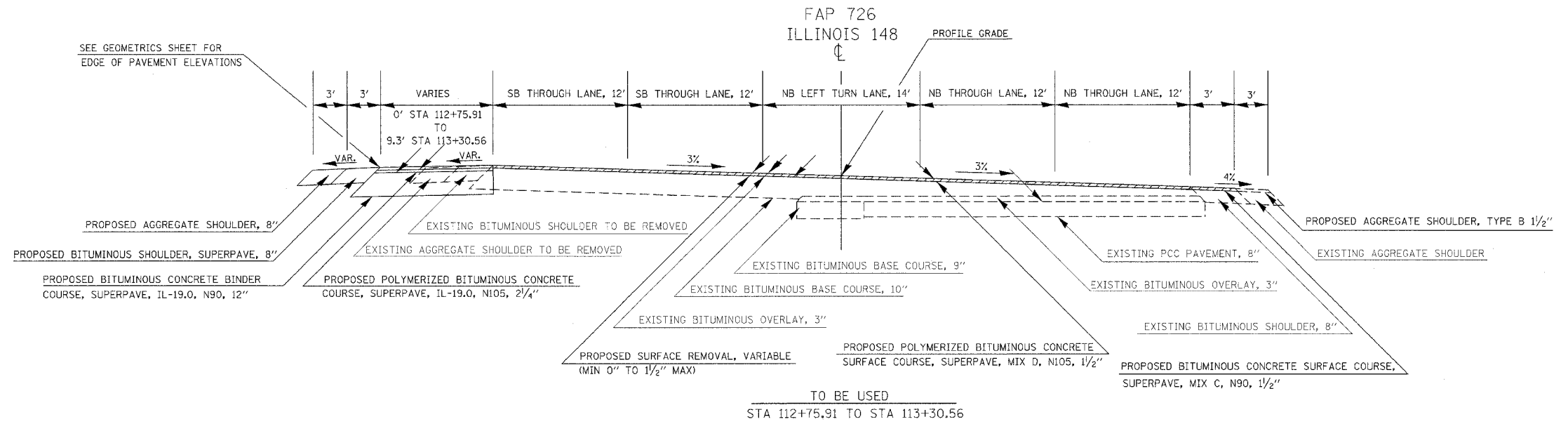
* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

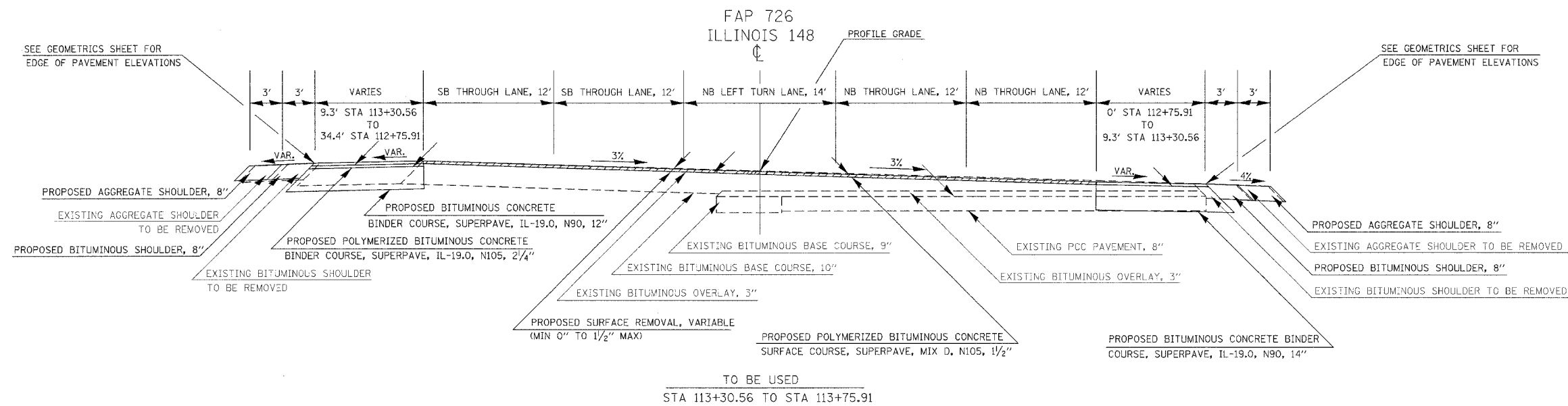
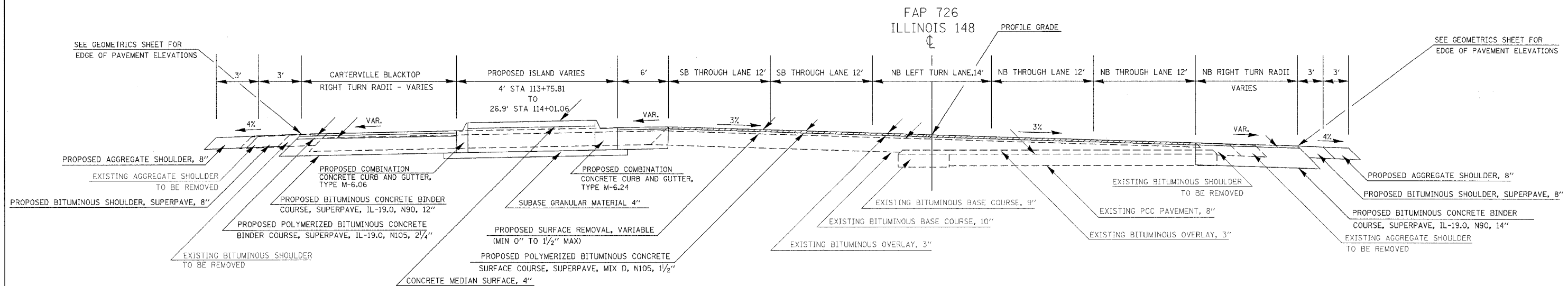
CODE NO	ITEM	CONSTRUCTION TYPE CODE		1000-1A	Y031-1F	Y030-1E
		UNIT	TOTAL QUANTITIES	ROADWAY HES 90% FED 10% STATE	TRAFFIC SIGNALS 90% FED 10% STATE	LIGHTING 90% FED 10% STATE
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109	109		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5549	5549		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	304	304		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	180	180		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	78	78		
80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1		1	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	419		419	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	25		25	
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	94		94	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	22		22	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	46		46	
81021560	CONDUIT, AUGERED 2 1/2" DIA., PVC	FOOT	218		218	
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	101		101	
81400100	HANDHOLE	EACH	5		5	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	702		702	
81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	523			523
82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	4			4
82500605	LIGHTING CONTROLLER - PHOTOCCELL RELAY	EACH	1			1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1
86600010	GULFBOX JUNCTION	EACH	3		3	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2369		2369	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2741		2741	
87700260	STEEL MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2		2	
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1	
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	3		3	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	10		10	
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	39		39	
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	8		8	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	9		9	
88500100	INDUCTIVE LOOP DETECTOR	EACH	4		4	
88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	FOOT	1274		1274	
88600100	DETECTOR LOOP, TYPE I	EACH	1		1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	TON	12	12		
X4066418	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N90	TON	623	623		
X4066530	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N105	TON	1270	1270		
X4066618	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90	TON	135	135		
X4066660	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105	TON	7	7		
X4066775	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90	EACH	2		2	
X0300737	RADIO TRANSCEIVER	EACH	2		2	
X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2	
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8		8	
X8801415	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2	

*SPECIALTY ITEMS

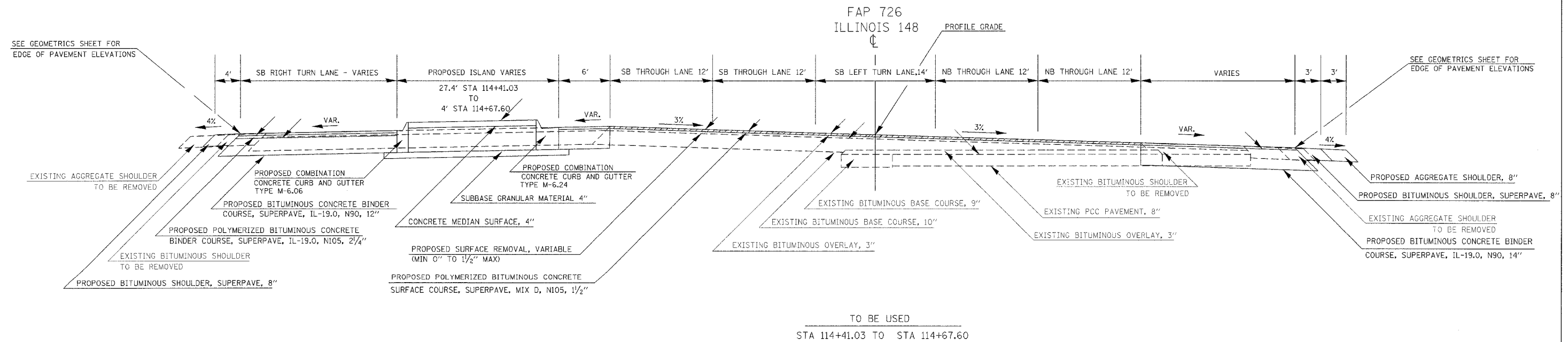
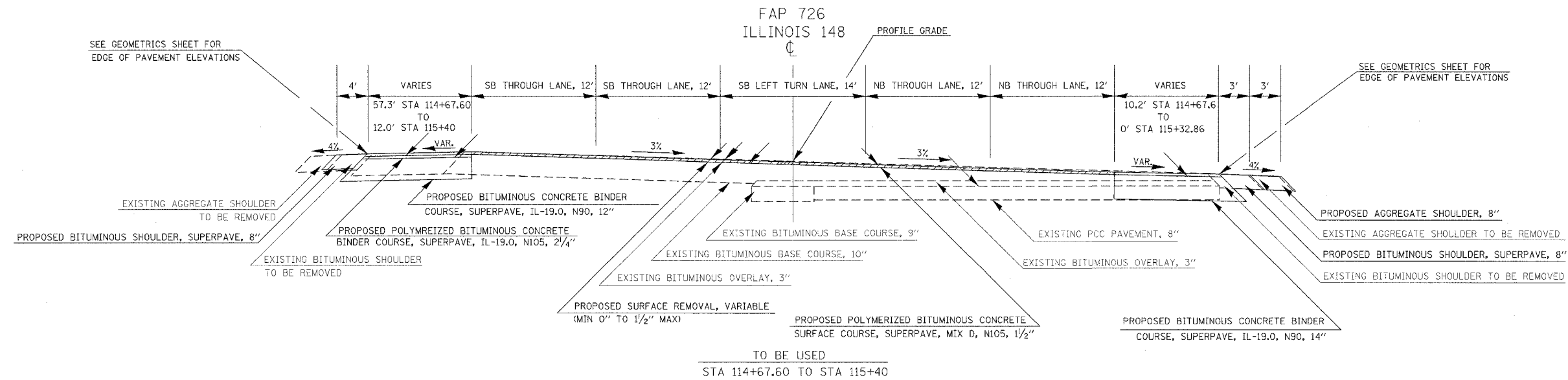
F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	J30.1-2.TS-1	WILLIAMSON	90	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 98884				



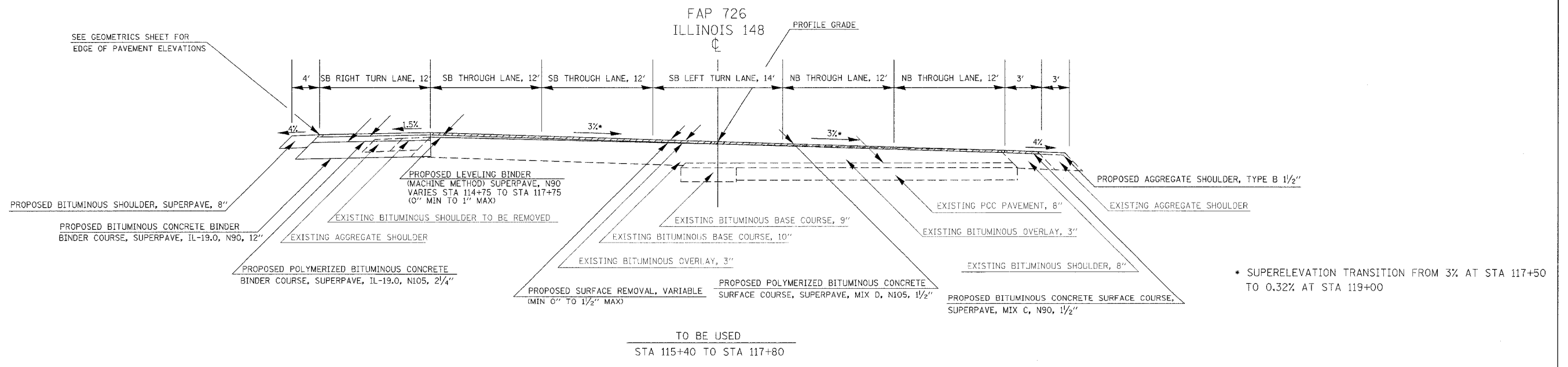
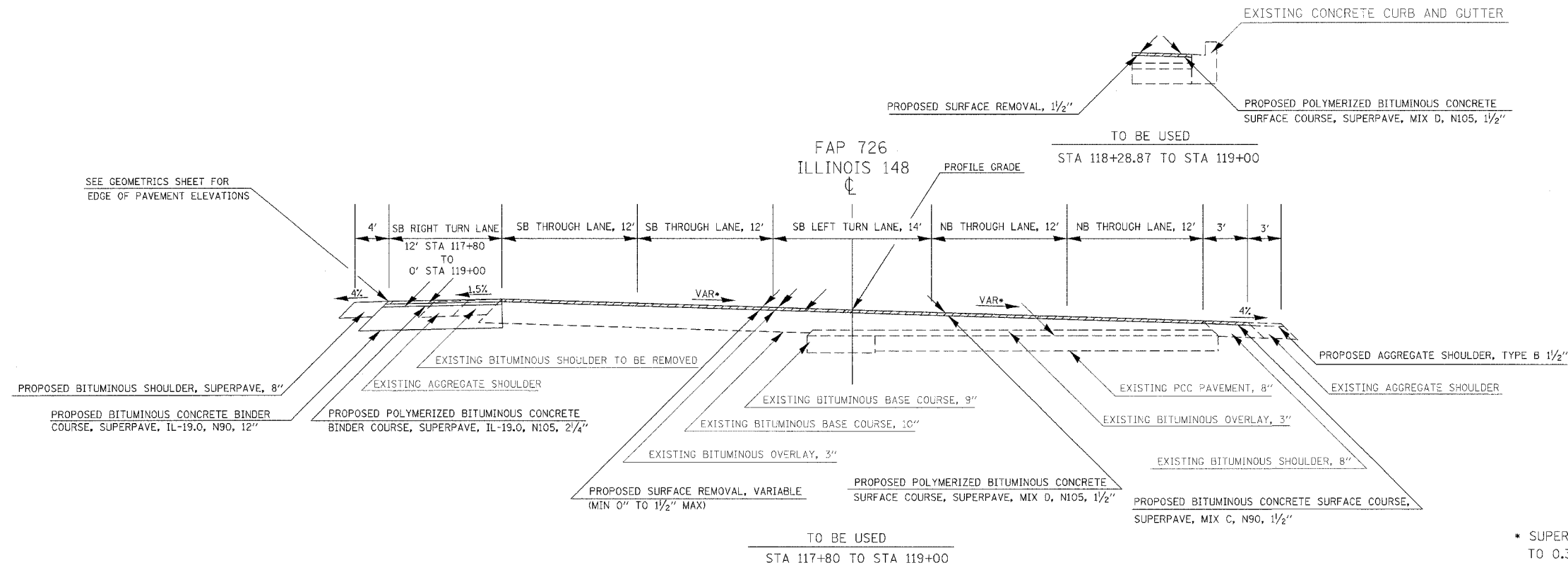
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-726	130-1-2-1S-1	WILLIAMSON	90	6
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 98884				



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 1-2, IS-1	WILLIAMSON	90	7
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 98884				

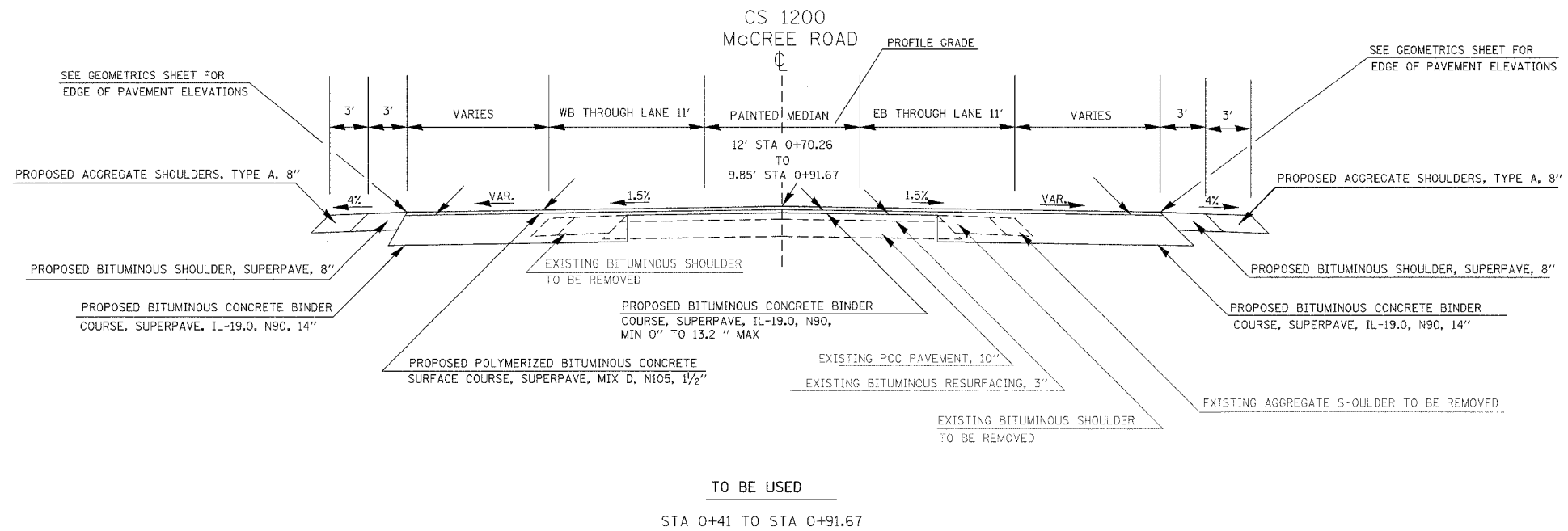
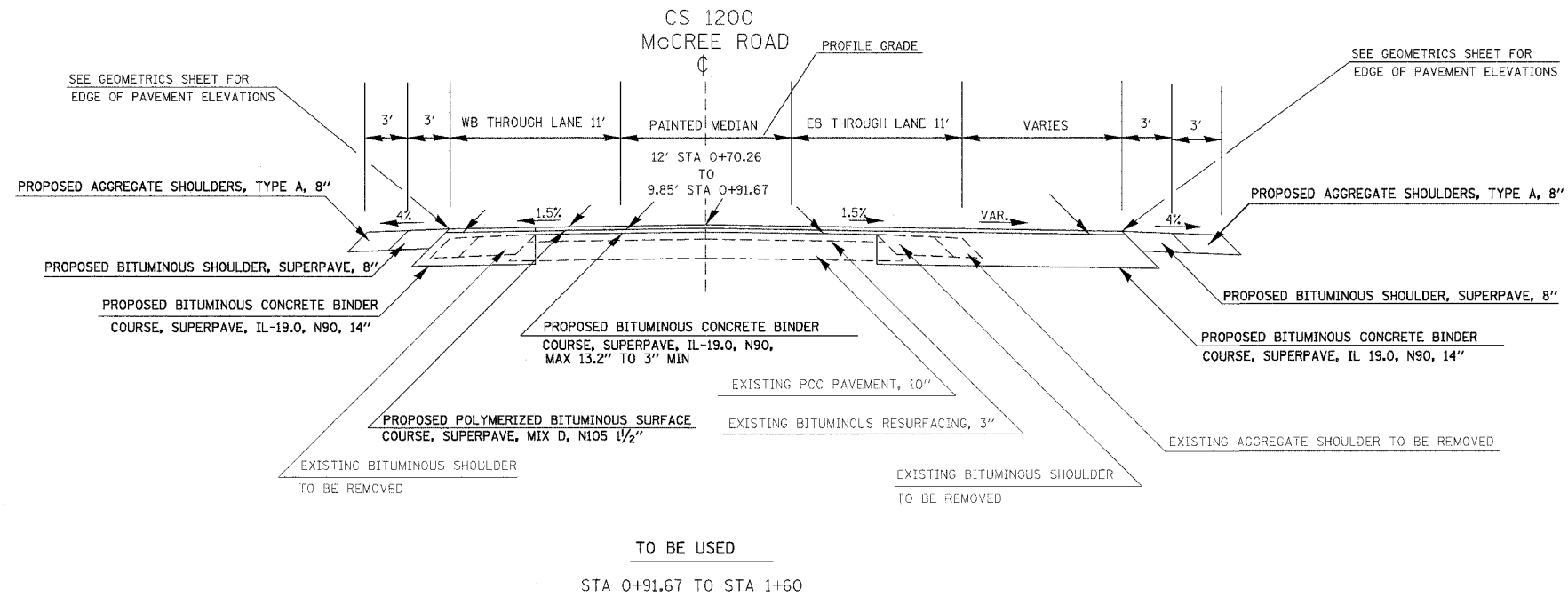


F.A.E. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	J30.1-2. TS-1	WILLIAMSON	90	8
STA. _____ TO STA. _____		FEB. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
CONTRACT NO. 98884				

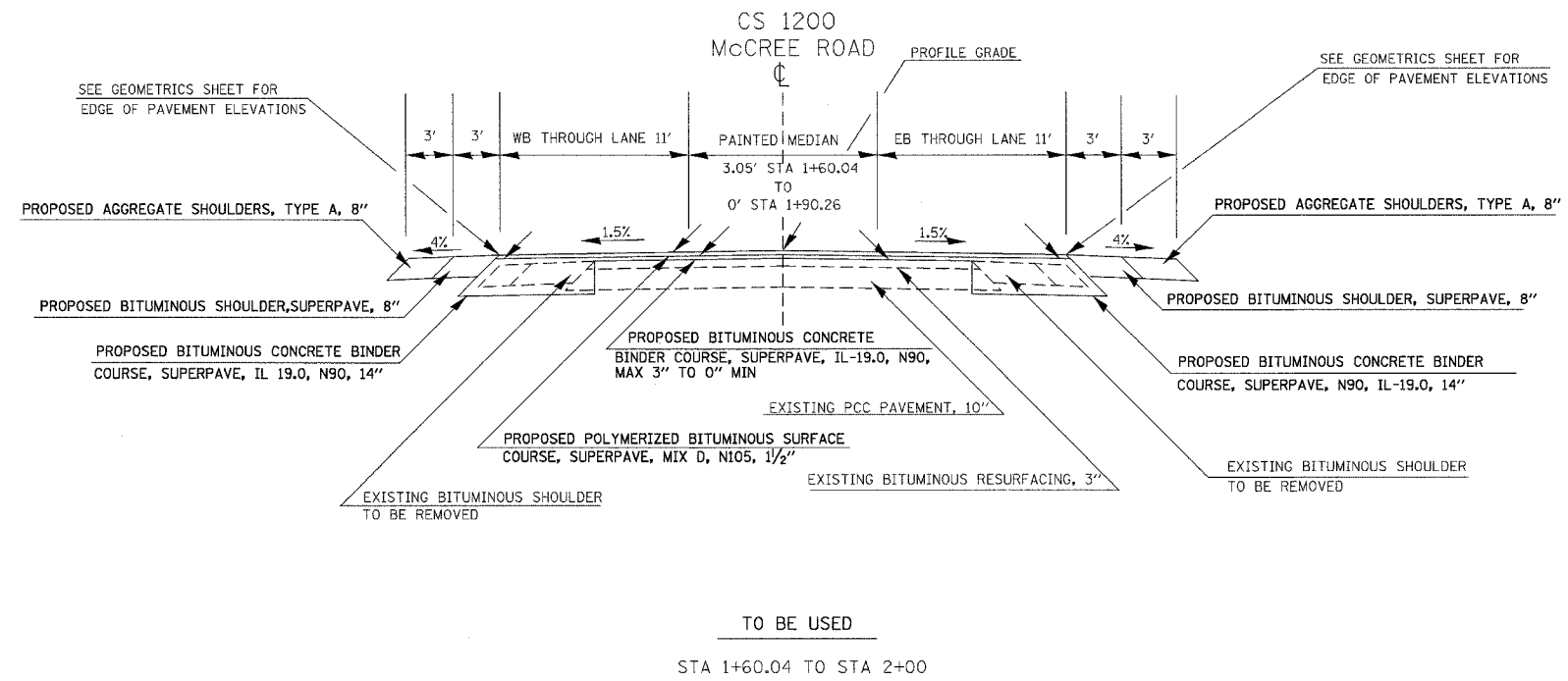


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2, IS-1	WILLIAMSON	90	9
STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

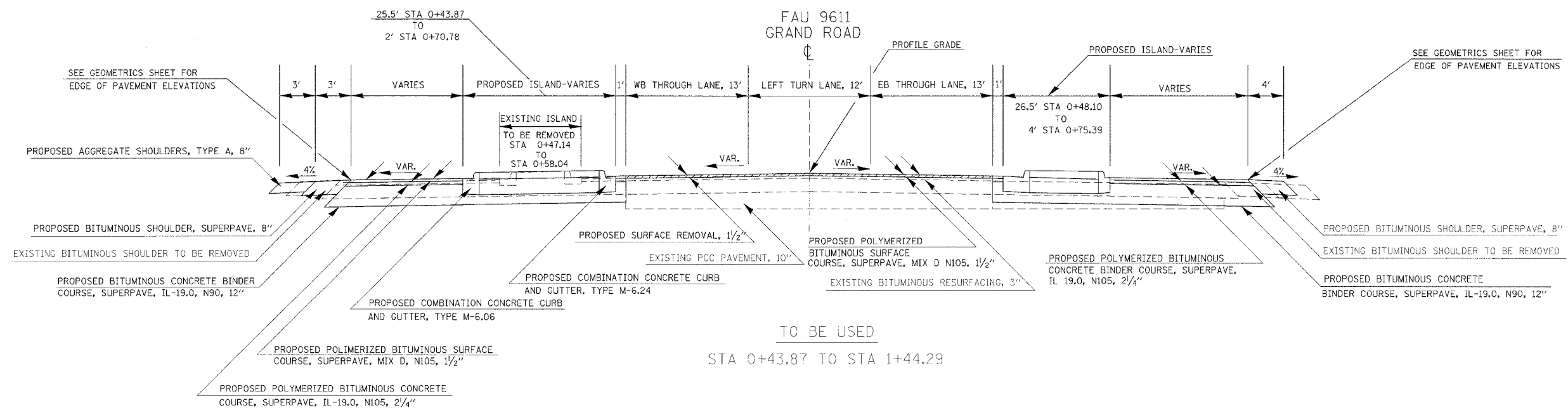
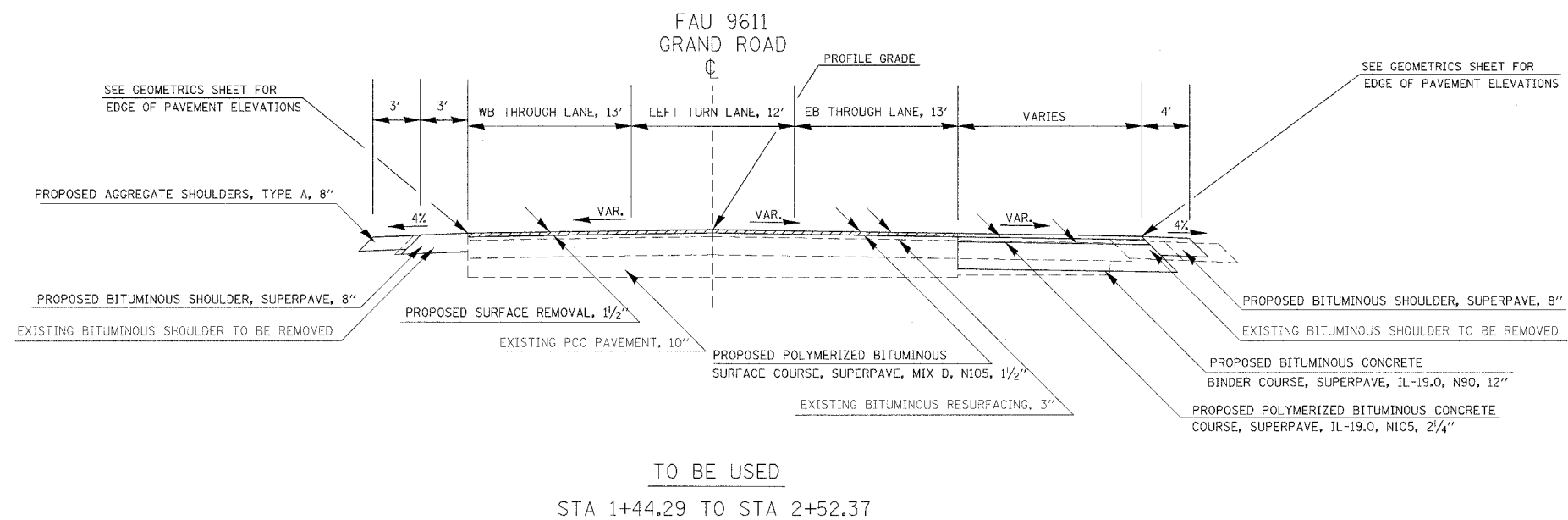
CONTRACT NO. 98884



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	130 I-2 TS-1	WILLIAMSON	90	10
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 98884				



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	130 I-2, TS-1	WILLIAMSON	90	11
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 98884				



PAVEMENT SCHEDULE

LOCATION STATION TO STATION	BIT. CONC. BINDER CRSE SUPERPAVE, IL-19.0, N90	POLYMERIZED BIT. CONC. BINDER CRSE SUPERPAVE, IL-19.0, N105	LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90	POLYMERIZED BIT. CONC. SURF. CRSE SUPERPAVE, MIX D, N105,	BITUMINOUS SHOULDERS SUPERPAVE, 8"	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N90	AGGREGATE SHOULDERS, TYPE A, 8"	AGGREGATE SURFACE COURSE, TYPE B	SUB-BASE GRANULAR MATERIAL TYPE A, 4"	AGG PRIME COAT	BIT MAT PRIME COAT	TEMP RAMP
	TON	TON	TON	TON	SQ YD	TON	SQ YD	TON	SQ YD	TON	GALLON	SQ YD
IL 148												
112+37 TO 112+41												35
112+37 TO 119+00 - THRU LANES				384						7	425	
112+37 LT TO 112+75.9 LT - SHOULDER						1		1				
112+37 RT TO 113+30.6 RT - SHOULDER						3		3				
112+75.9 LT TO 114+01.4 LT - INTERSECTION	210	32		25						1	27	
112+75.9 LT (IL 148) TO 2+52.37 LT (GRAND RD.) - SHOULDER					99		99					
113+30.6 RT (IL 148) TO 2+00 RT (McCREE RD) - SHOULDER					61		61					
113+75.8 TO 114+01.1 - ISLAND								64.0				
114+39.3 LT TO 115+40.1 LT - INTERSECTION	347	52		39						1	42	
114+40.9 LT TO 114+67.3 LT - ISLAND								67				
114+75 TO 117+75 - THRU LANES			7									
115+32.9 RT TO 118+23.8 RT - SHOULDER						8		9				
115+40.1 LT TO 119+00 LT - RIGHT TURN LANE	314	51		34	162					1	37	
118+95 TO 119+00												35
GRAND ROAD												
0+41 TO 2+52.37 - THRU LANES				76						1	81	
2+52.37 RT (GRAND RD.) TO 115+40.1 LT (IL 148) - SHOULDER					106							21
2+47.37 TO 2+52.37												
McCREE ROAD												
0+41 TO 2+00 - THRU LANES	399			65						2	74	
2+00 LT (McCREE RD) TO 115+32.9 RT (IL 148) - SHOULDER					80		80					
1+95 TO 2+00												12
TOTALS	1270	135	7	623	508	12	240	13	131	13	686	103

REMOVAL SCHEDULE

LOCATION STATION TO STATION	ISLAND REMOVAL	PAVED SHOULDER REMOVAL	BITUMINOUS SURFACE REMOVAL (VAR. DEPTH)	BITUMINOUS SURFACE REMOVAL 1-1/2"	PAVEMENT REMOVAL	PIPE CULVERT REMOVAL
	SQ FT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT
IL 148						
112+37 TO 119+00			4568			
112+75.9 LT TO 114+01.4 LT					285	
112+76 LT (IL 148) TO 1+59 LT (GRAND ROAD)		68				
113+30.5 RT TO 113+96.2 RT					59	
113+30.5 RT (IL 148) TO 1+19.2 RT (McCREE ROAD)		38				
113+84 LT TO 113+96 LT	90					
114+32.3 RT TO 115+32.9 RT					61	
114+39.3 LT TO 115+18.2 LT					217	
113+75 RT TO 114+46 RT						71
GRAND ROAD						
0+40 TO 2+52.37				897		
1+59 RT (GRAND ROAD) TO 119+00 LT (IL 148)		179				
McCREE ROAD						
1+20.85 LT (McCREE ROAD) TO 115+32.9 RT (IL 148)		55				
1+85 TO 2+00						
TOTALS	90	340	4568	897	622	71

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	COMMENTS
	CU YD	CU YD	CU YD	CU YD	
IL 148					
112+37 LT TO 113+78 LT	43	32	3	29	
112+37 RT TO 113+67 RT	14	11	4	7	
114+73 LT TO 119+00 LT	178	134	209	-76	
114+64 RT TO 118+25 RT	11	8	4	4	
GRAND ROAD					
0+71 LT TO 2+52.37 LT	36	27	21	6	
0+52 RT TO 2+52.37 RT	50	38	14	24	
McCREE ROAD					
0+49 LT TO 2+00 LT	25	19	51	-32	
0+67 RT TO 2+00 RT	64	48	67	-19	
	421			-57	

Shrinkage Factors: Earth Excavation 25%

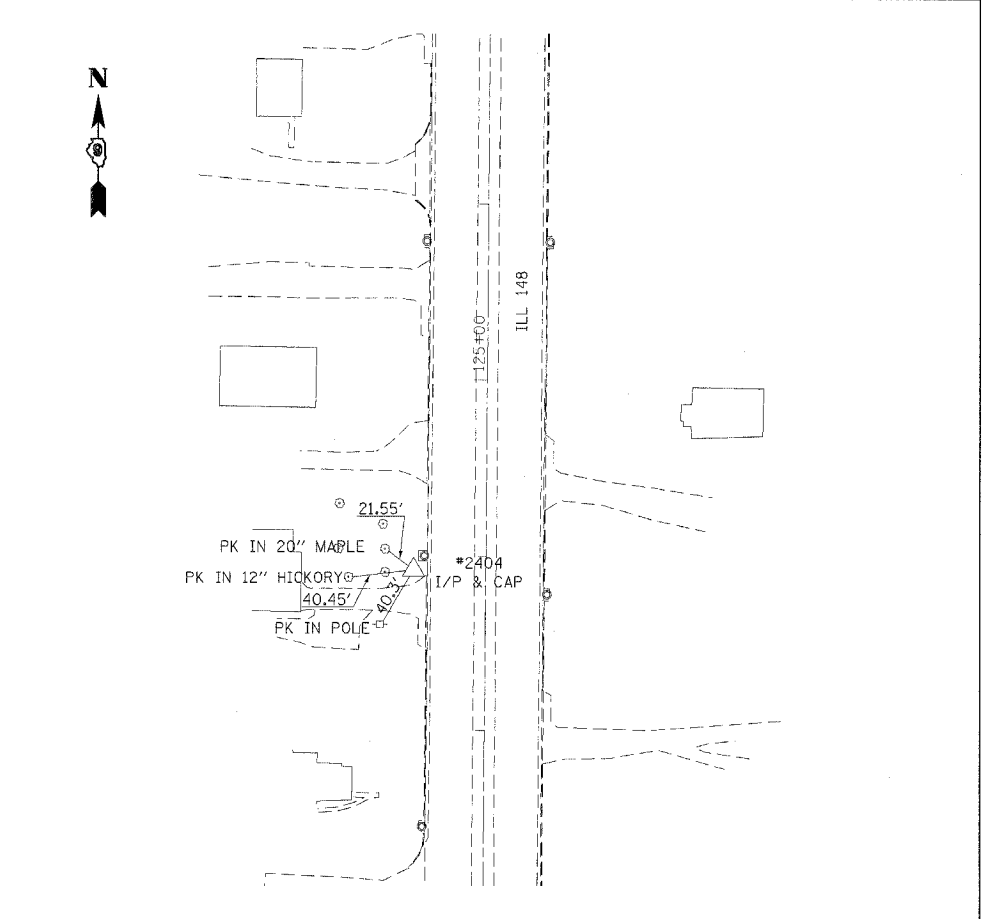
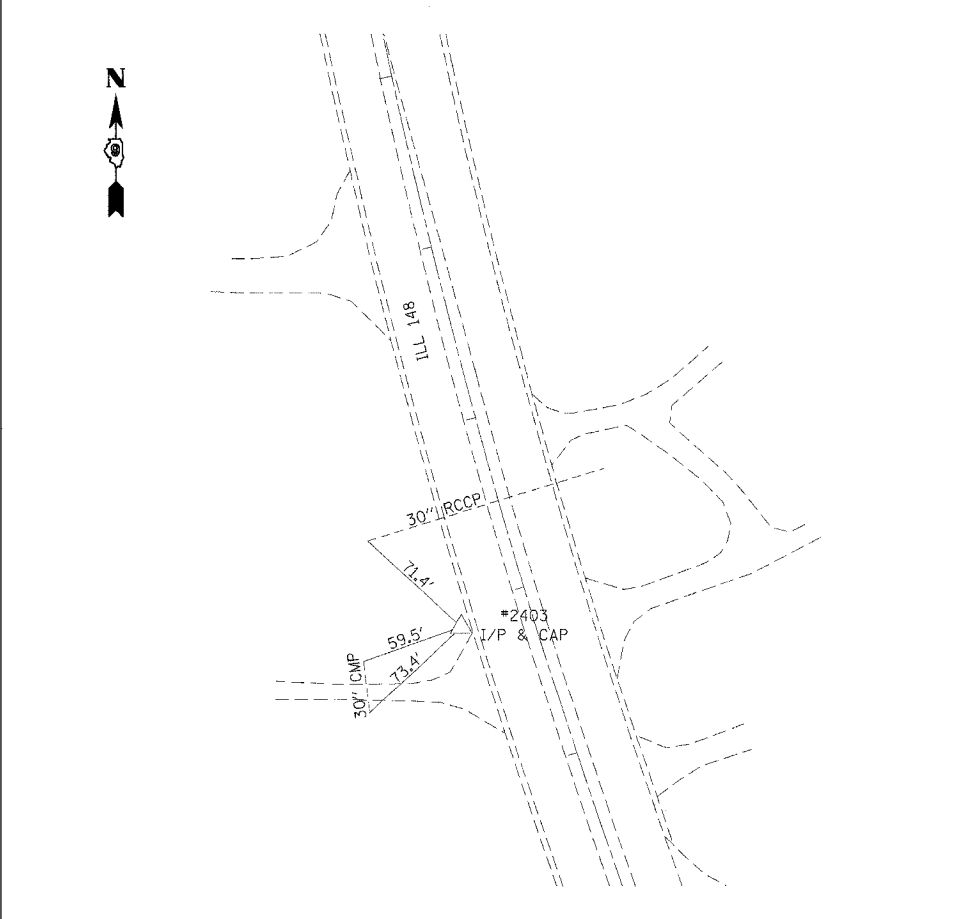
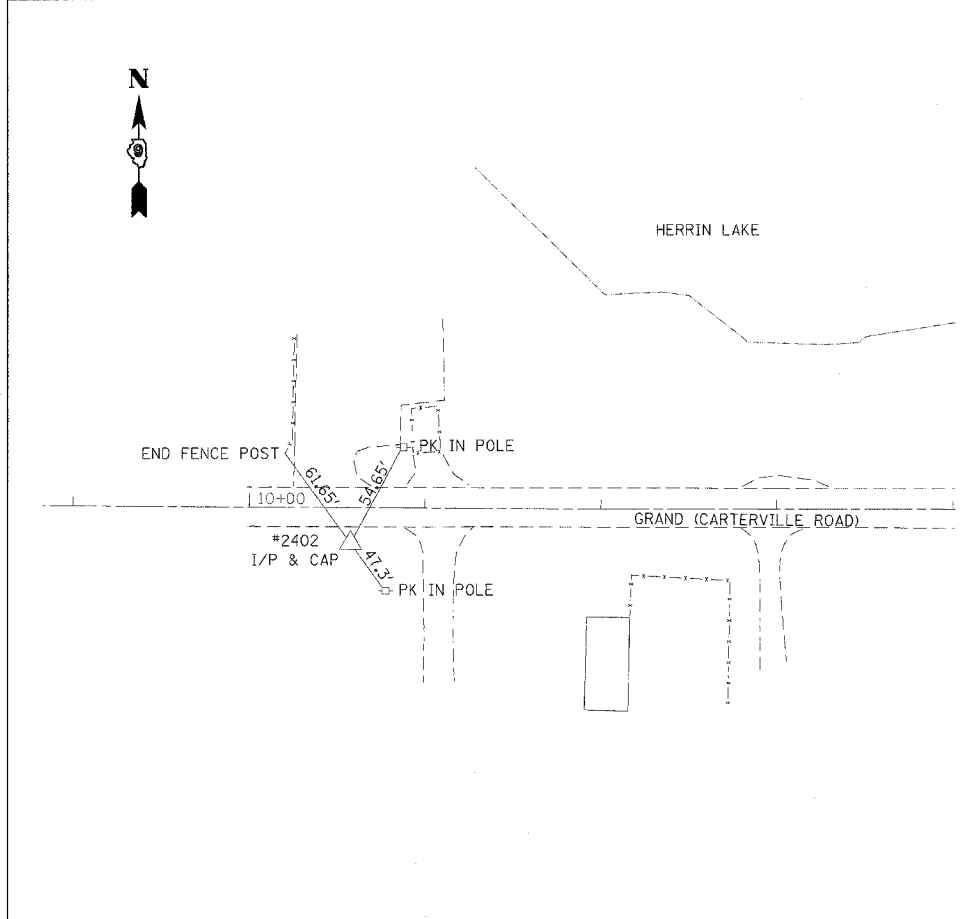
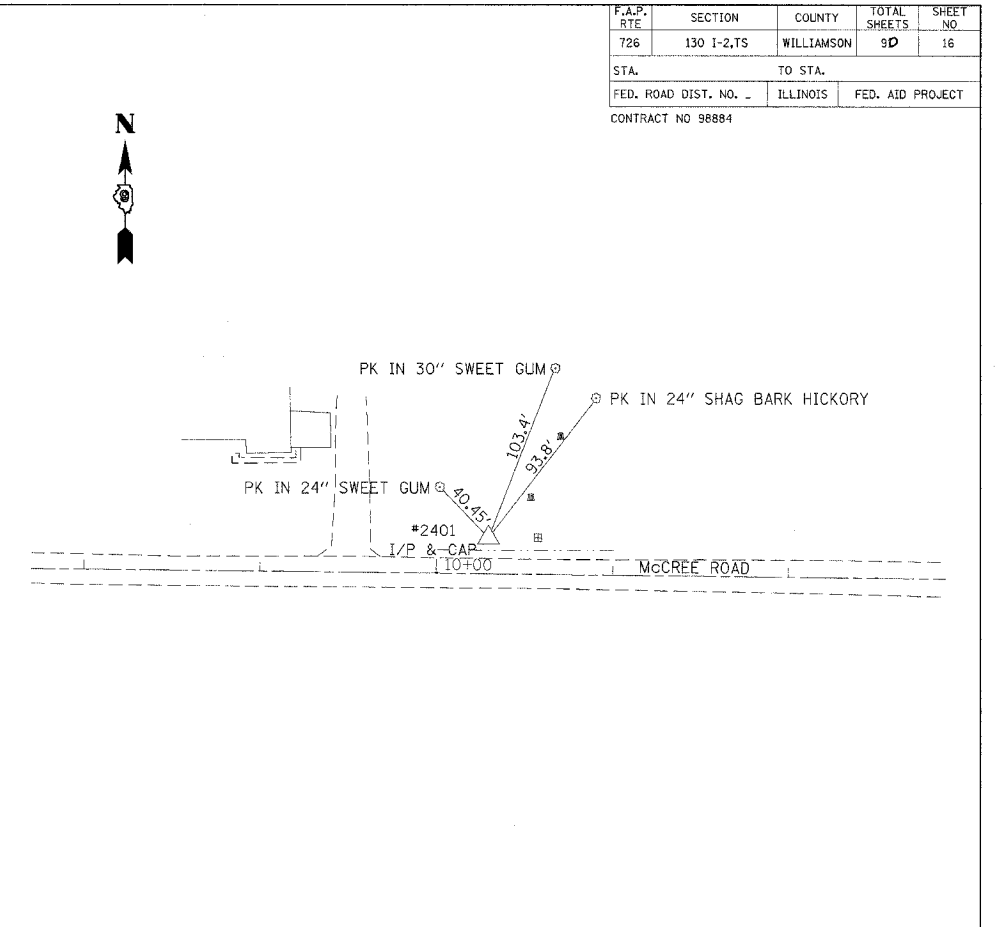
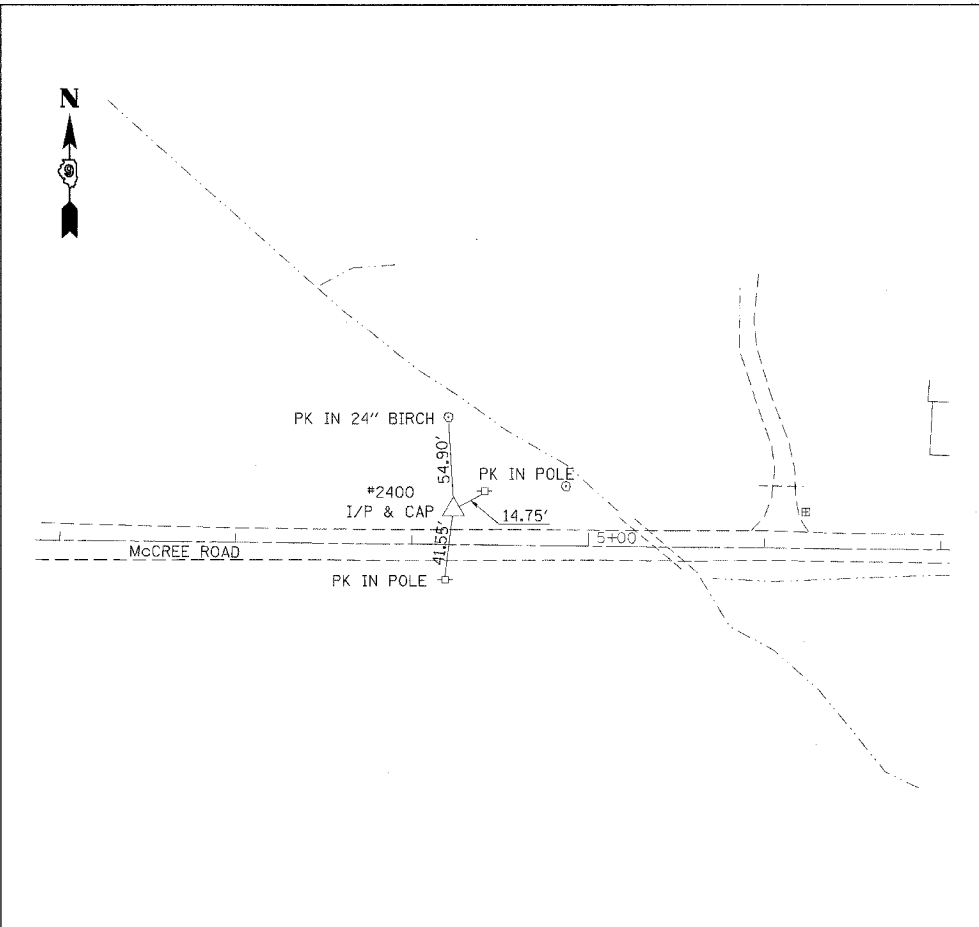
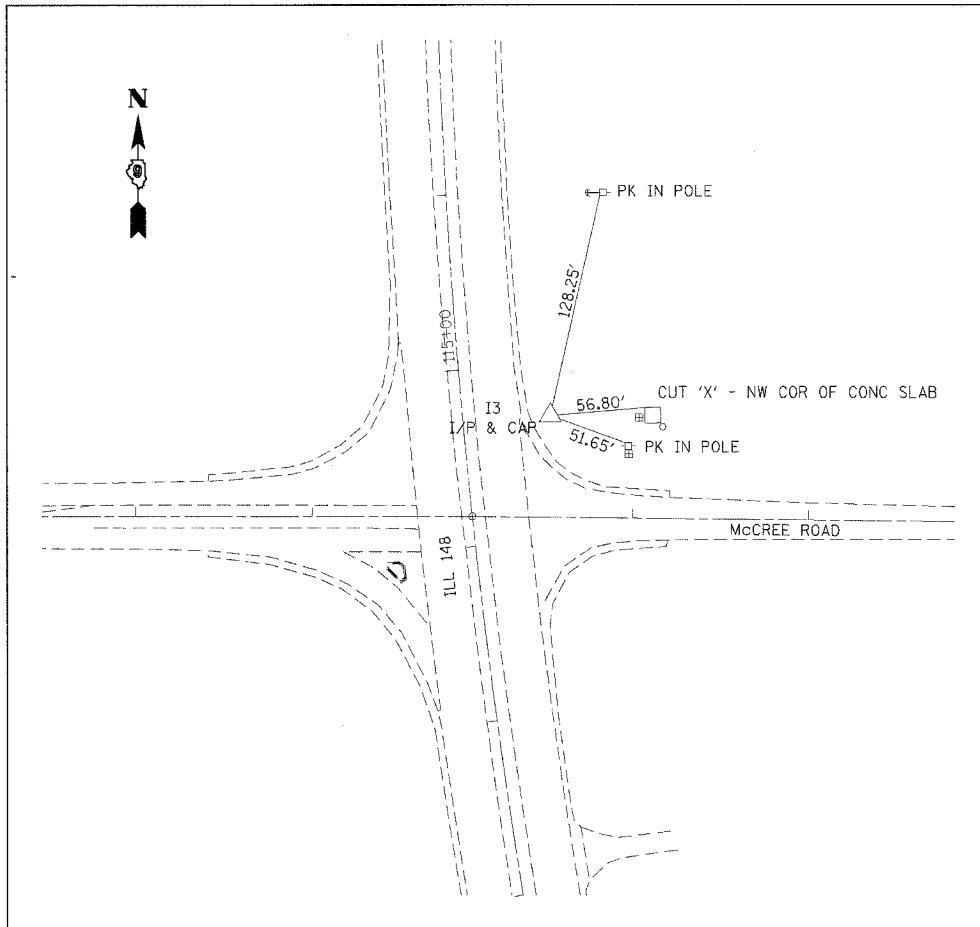
THERMOPLASTIC PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	4 INCH			12 INCH		24 INCH	LETTERS AND SYMBOLS SQ FT
	WHITE FOOT	YELLOW FOOT	DOUBLE YELLOW FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	
IL 148							
112+37 LT (IL 148) TO 2+52.37 LT (GRAND ROAD) EOP	339						
112+37 RT (148) TO 2+00 RT (McCREE ROAD) EOP	280						
112+37 TO 113+73.4 - WEST EDGE OF LTL			137				
112+37 TO 113+84.7 - EAST EDGE OF LTL	148						
112+45 - "ONLY"							20.8
113+55 LT TO 114+01.4 LT - MEDIAN	155			36			
112+67 - LEFT ARROW							15.6
113+60 - STOP BAR						18	
113+73.4 - STOP BAR						14	
113+77.4 RT TO 113+96.2 RT - MEDIAN	68			33			
113+81.3 - STOP BAR						18	
113+84.7 - STOP BAR						24	
114+39.3 LT TO 115+06.1 - MEDIAN	222			112			
114+77.8 - STOP BAR						24	
114+77.8 TO 117+06 - WEST EDGE OF LTL	229						
114+92.1 - STOP BAR						14	
114+92.1 TO 117+06 - EAST EDGE OF LTL			214				
115+06.1 TO 117+80 - EAST EDGE OF RTL	275						
116+58 - LEFT ARROW							15.6
116+80 - "ONLY"							20.8
117+06 TO 119+00 - TAPER			388		82		
GRAND ROAD							
0+53 - STOP BAR						13	
0+53 TO 2+45.77 - SOUTH EDGE OF LTL	173						
0+92 - STOP BAR						12	
0+92 TO 2+52.37 - NORTH EDGE OF RTL & TAPER			185				
1+01 - STOP BAR						18	
1+77 - LEFT ARROW							15.6
1+99 - "ONLY"							20.8
2+52.37 RT (GRAND ROAD) TO 119+00 LT (IL 148) EOP	610						
McCREE ROAD							
0+43.42 TO 1+90 - MEDIAN			299		41		
0+53 - STOP BAR						11	
0+58 - STOP BAR						14	
2+00 LT (McCREE ROAD) TO 119+00 RT (IL 148) EOP	604						
SUBTOTAL							
	3103	0	2446	181	123	180	109
TOTAL							
		5549		304		180	109

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION	SEEDING CLASS 1B	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	TEMP. EROSION CONTROL SEEDING	INLET & PIPE PROTECTION
	ACRE	POUND	POUND	POUND	TON	ACRE	SQ YD	EACH	POUND	EACH
IL 148										
112+37 LT TO 113+78 LT	0.06	7	7	7	0.12	0.06	290		18	
112+37 RT TO 113+67 RT	0.03	4	4	4	0.06	0.03	145		9	
112+75 LT								1		
113+50 RT								1		
113+90 LT								1		
114+73 LT TO 119+00 LT	0.14	17	17	17	0.28	0.14	678		42	
114+64 RT TO 118+25 RT	0.08	10	10	10	0.16	0.08	387		24	
117+41 LT & RT										2
GRAND ROAD										
0+71 LT TO 2+52.37 LT	0.07	8	8	8	0.14	0.07	339		21	
0+52 RT TO 2+52.37 RT	0.01	1	1	1	0.02	0.01	48		3	
McCREE ROAD										
0+49 LT TO 2+00 LT	0.07	8	8	8	0.14	0.07	339		21	
0+67 RT TO 2+00 RT	0.04	5	5	5	0.08	0.04	194		12	
1+00 RT								1		
1+54 RT								1		
TOTALS	0.5	60.0	60.0	60.0	1.0	0.5	2420	5	150	2

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
726	130 I-2,TS	WILLIAMSON	90	16
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				



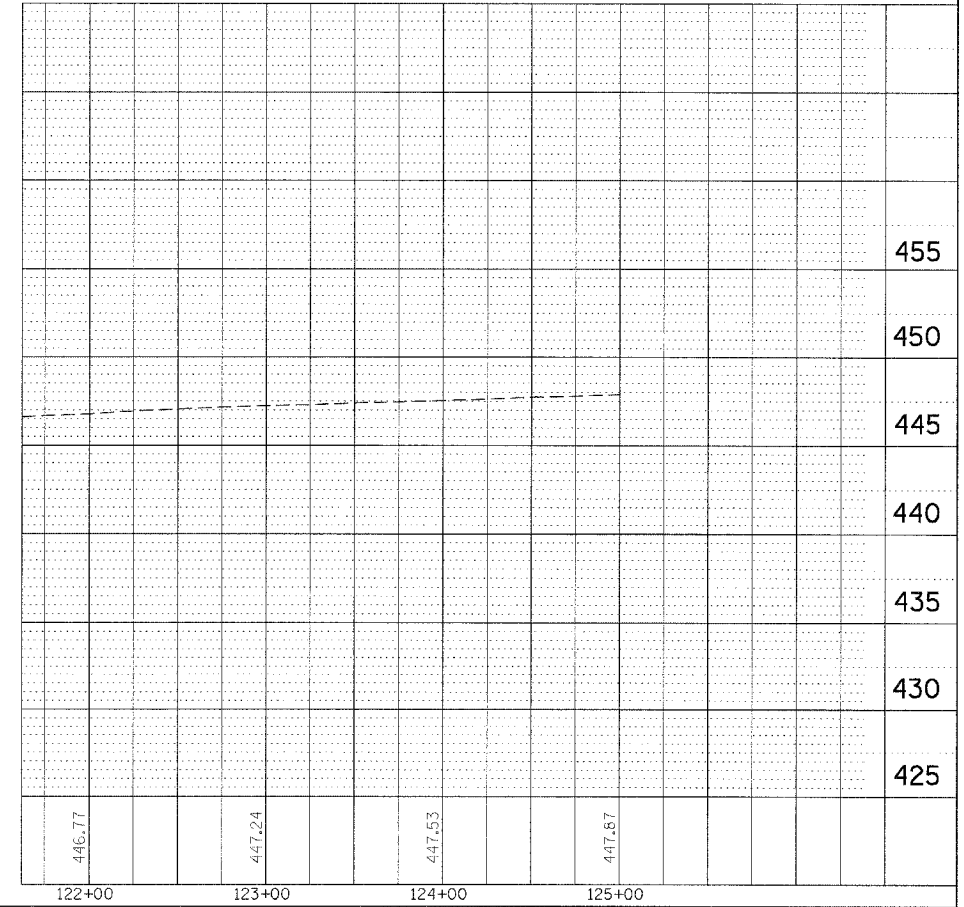
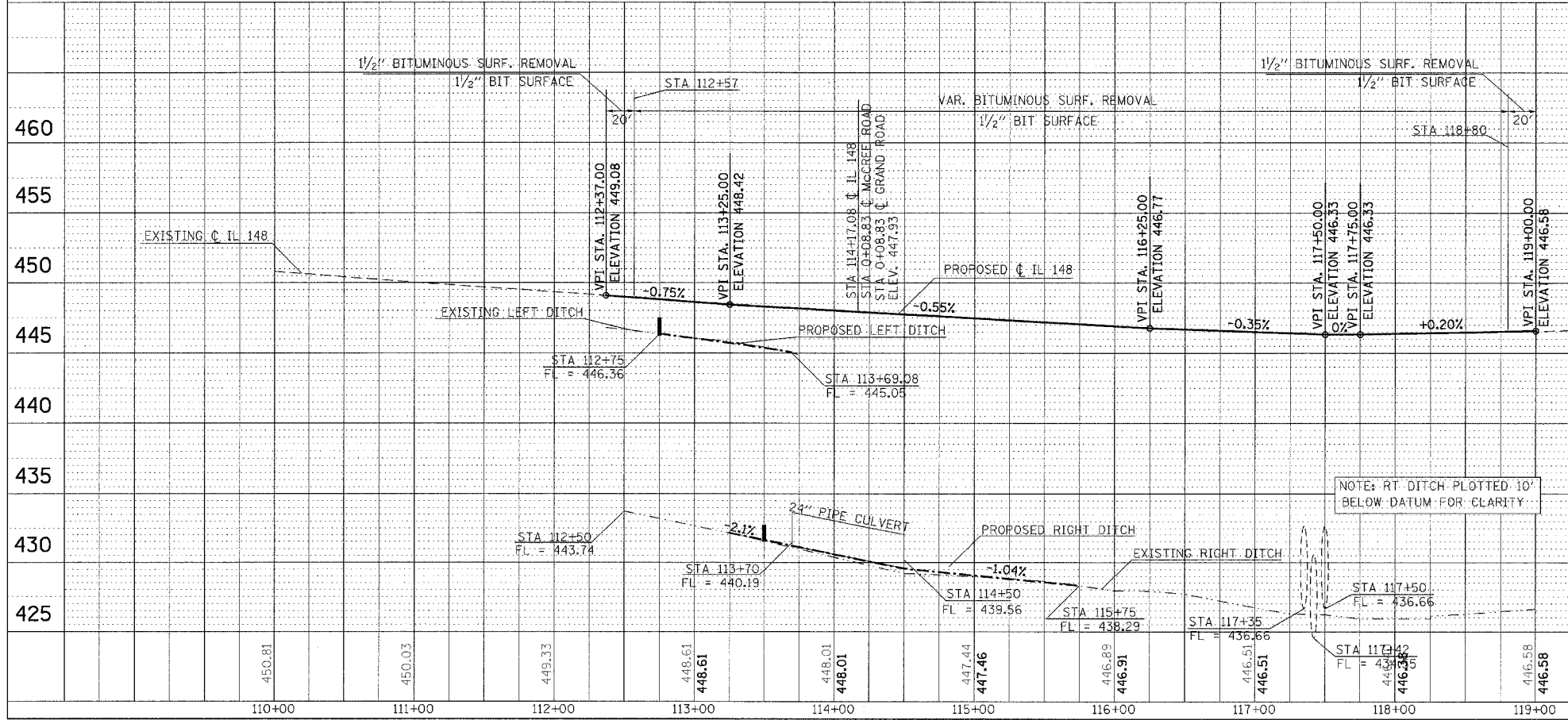
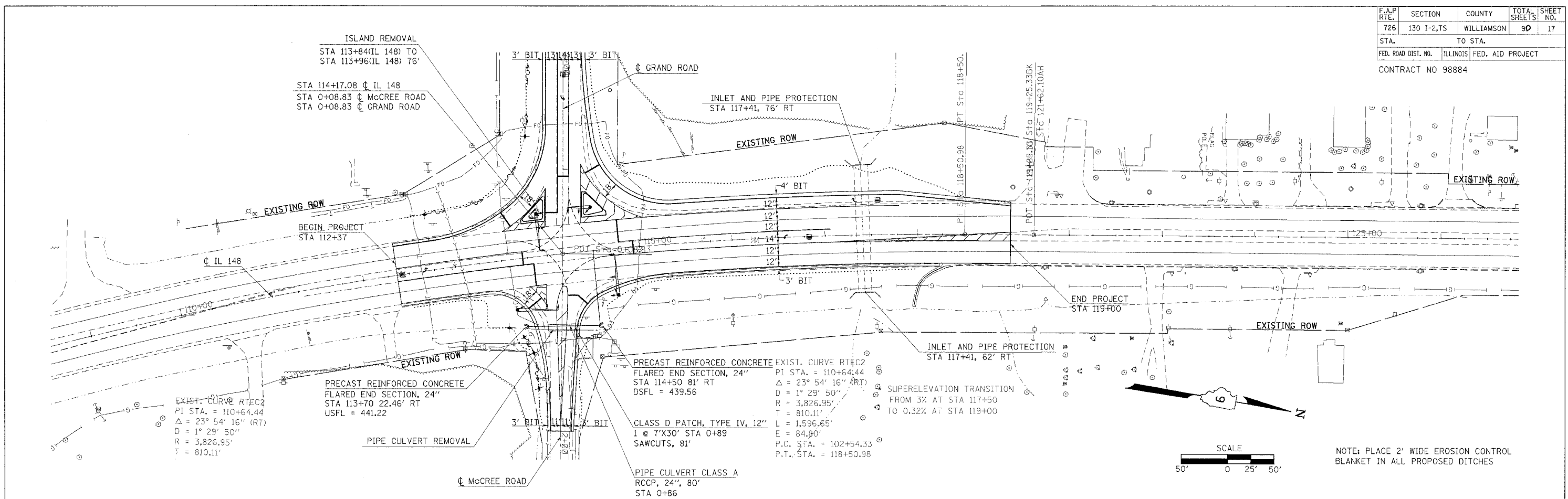
TIE POINTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO 98884				

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

PLOT DATE = #DATE#
FILE NAME = #FILE#
SCALE = #SCALE#
REFERENCE = #REF#



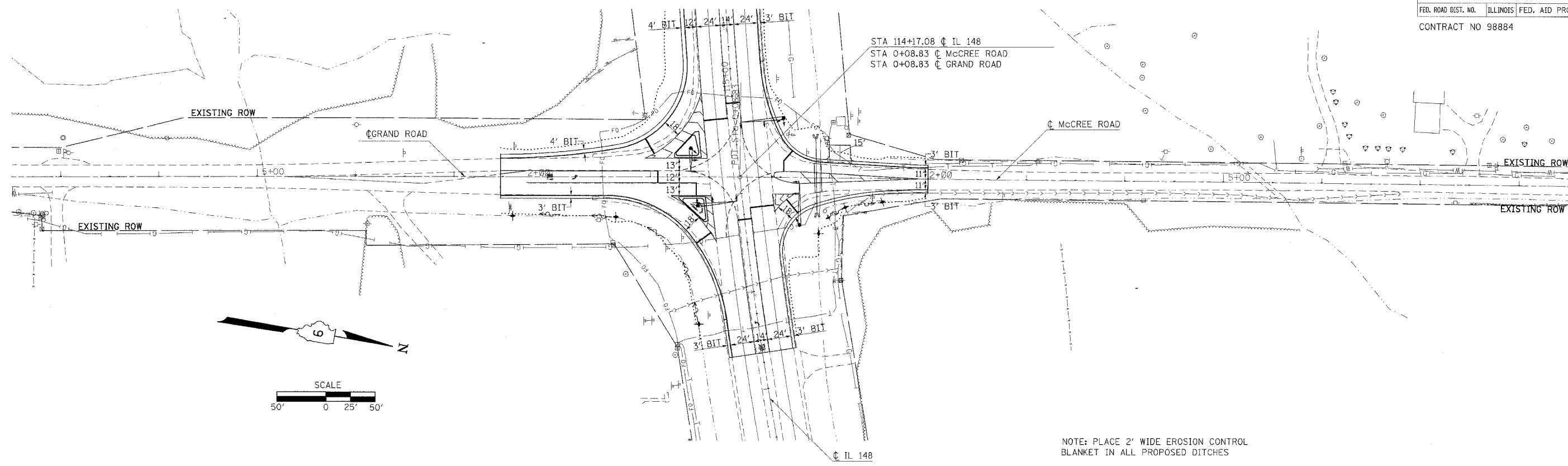
IL 148 PLAN PROFILE SHEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 1-2,TS	WILLIAMSON	90	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO 98884				

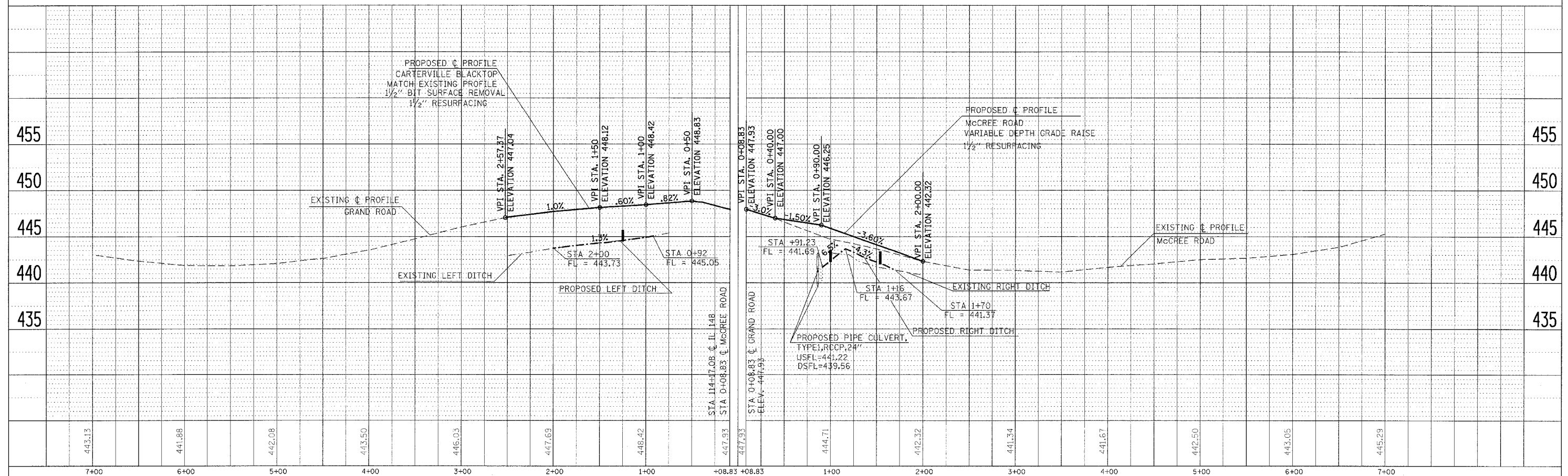
PLAN	DATE
BY	
REVISIONS	
1. NOTED	
2. CHECKED	
3. APPROVED	
4. DESIGNED	
5. DRAFTED	
6. FILED	
7. PLOTTED	
8. PRINTED	
9. CHECKED	
10. REVISIONS	
11. NOTATIONS	
12. CHD	

PROFILE	DATE
BY	
REVISIONS	
1. NOTED	
2. CHECKED	
3. APPROVED	
4. DESIGNED	
5. DRAFTED	
6. FILED	
7. PLOTTED	
8. PRINTED	
9. CHECKED	
10. REVISIONS	
11. NOTATIONS	
12. CHD	

PLOT DATE = 10/25/05
 FILE NAME = 1301-2,TS
 PLOT SCALE = 1"=40'
 REFERENCE = 1301-2,TS



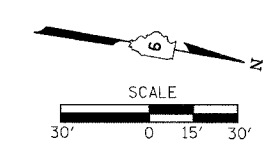
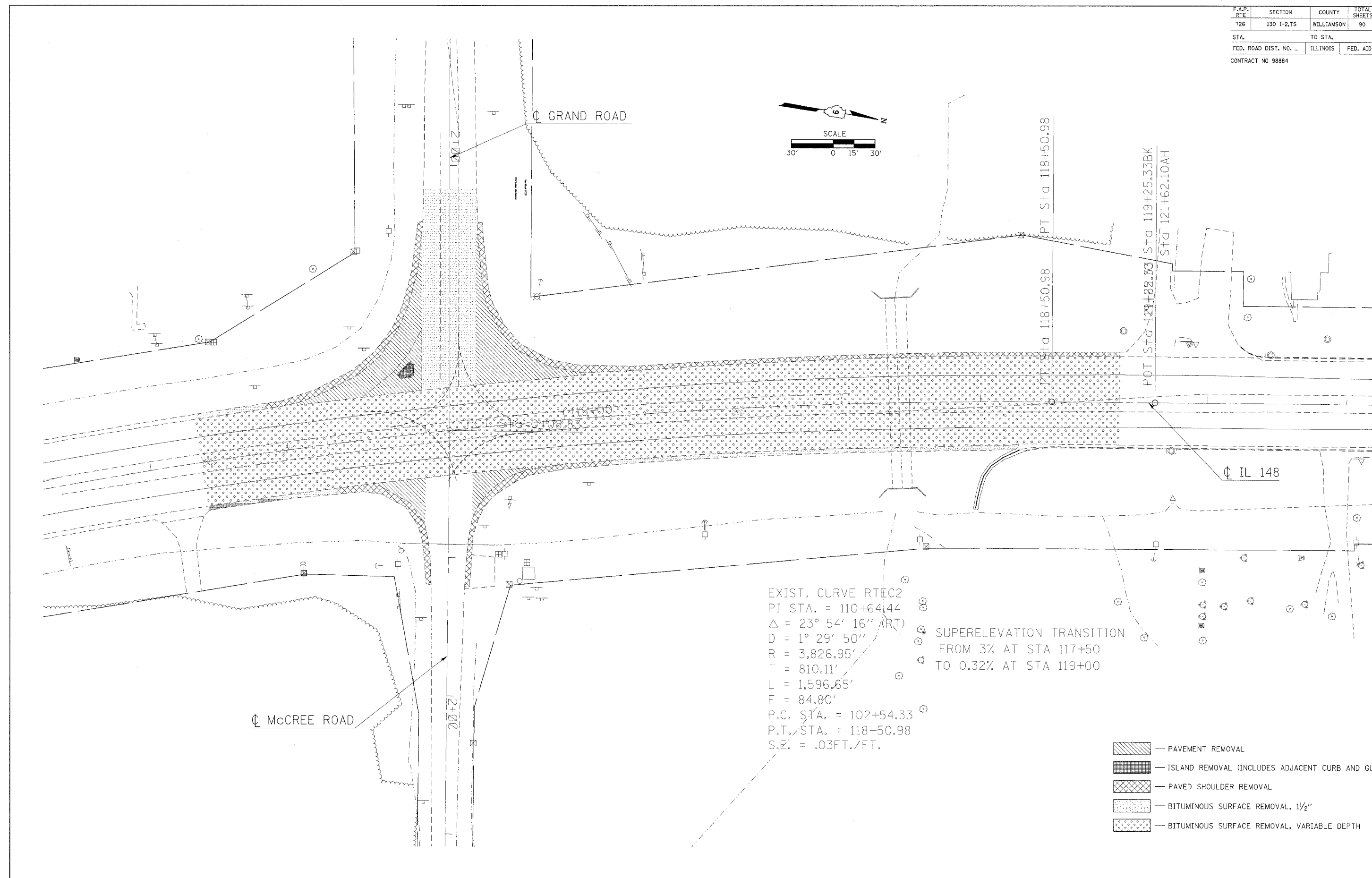
NOTE: PLACE 2' WIDE EROSION CONTROL BLANKET IN ALL PROPOSED DITCHES



GRAND ROAD/McCREE ROAD PLAN PROFILE SHEET

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
726	130 1-2,TS	WILLIAMSON	90	19
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

CONTRACT NO 98884



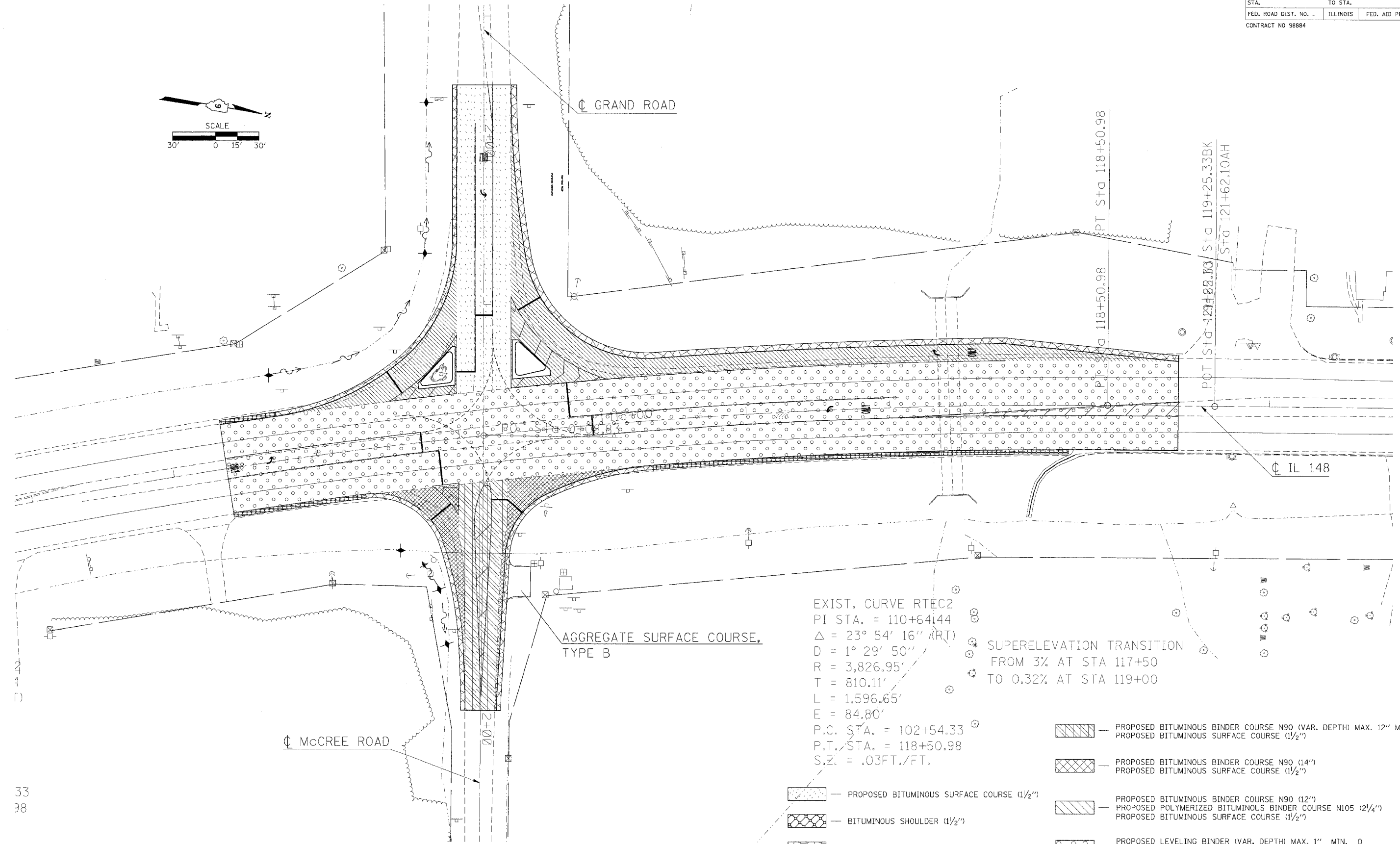
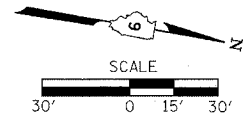
EXIST. CURVE RTE C2
 PI STA. = 110+64.44
 $\Delta = 23^\circ 54' 16''$ (RT)
 D = 1° 29' 50"
 R = 3,826.95'
 T = 810.11'
 L = 1,596.65'
 E = 84.80'
 P.C. STA. = 102+54.33
 P.T. STA. = 118+50.98
 S.E. = .03FT./FT.

SUPERELEVATION TRANSITION
 FROM 3% AT STA 117+50
 TO 0.32% AT STA 119+00

- PAVEMENT REMOVAL
- ISLAND REMOVAL (INCLUDES ADJACENT CURB AND GUTTER)
- PAVED SHOULDER REMOVAL
- BITUMINOUS SURFACE REMOVAL, 1/2"
- BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH

REMOVAL

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
726	130 I-2,TS	WILLIAMSON	90	20
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				



AGGREGATE SURFACE COURSE, TYPE B

EXIST. CURVE RTE2
 PI STA. = 110+64.44
 $\Delta = 23^\circ 54' 16''$ (RT)
 $D = 1^\circ 29' 50''$
 $R = 3,826.95'$
 $T = 810.11'$
 $L = 1,596.65'$
 $E = 84.80'$
 P.C. STA. = 102+54.33
 P.T. STA. = 118+50.98
 S.E. = .03FT./FT.

SUPERELEVATION TRANSITION
 FROM 3% AT STA 117+50
 TO 0.32% AT STA 119+00

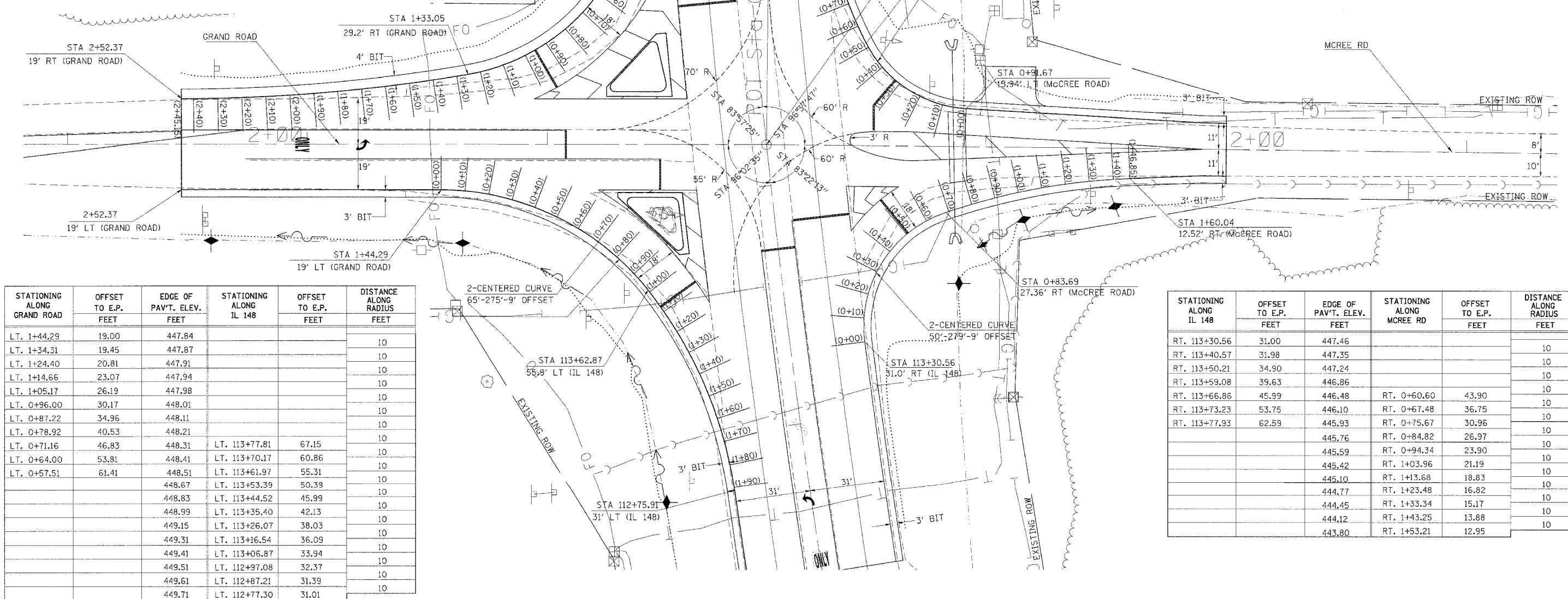
- PROPOSED BITUMINOUS BINDER COURSE N90 (VAR. DEPTH) MAX. 12" MIN. 3/4" PROPOSED BITUMINOUS SURFACE COURSE (1/2")
- PROPOSED BITUMINOUS BINDER COURSE N90 (14") PROPOSED BITUMINOUS SURFACE COURSE (1/2")
- PROPOSED BITUMINOUS BINDER COURSE N90 (12") PROPOSED POLYMERIZED BITUMINOUS BINDER COURSE N105 (2 1/4") PROPOSED BITUMINOUS SURFACE COURSE (1/2")
- PROPOSED BITUMINOUS SURFACE COURSE (1/2")
- BITUMINOUS SHOULDER (1/2")
- BITUMINOUS SHOULDER (8")
- PROPOSED LEVELING BINDER (VAR. DEPTH) MAX. 1" MIN. 0 PROPOSED BITUMINOUS SURFACE COURSE (1/2")

33
38

CONSTRUCTION

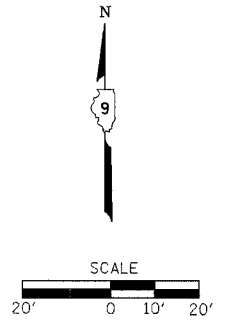
STATIONING ALONG IL 148	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG GRAND ROAD	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
LT. 115+40.05	43.00	447.93			10
LT. 115+30.19	43.60	447.96			10
LT. 115+20.47	45.39	447.99			10
LT. 115+11.04	48.35	447.96			10
LT. 115+02.03	52.43	447.93			10
LT. 114+93.59	57.57	447.89			10
LT. 114+85.81	63.70	447.85	LT. 0+78.95	62.80	10
LT. 114+78.83	70.73	447.81	LT. 0+85.32	55.09	10
LT. 114+72.73	78.55	447.77	LT. 0+92.55	48.19	10
		447.73	LT. 1+00.53	42.18	10
		447.69	LT. 1+09.17	37.15	10
		447.65	LT. 1+18.34	33.17	10
		447.61	LT. 1+27.91	30.30	10
		447.57	LT. 1+37.74	28.45	10
		447.53	LT. 1+47.61	26.88	10
		447.49	LT. 1+57.51	25.46	10
		447.45	LT. 1+67.43	24.17	10
		447.41	LT. 1+77.36	23.03	10
		447.37	LT. 1+87.31	22.03	10
		447.33	LT. 1+97.28	21.17	10
		447.29	LT. 2+07.25	20.46	10
		447.15	LT. 2+17.23	19.88	10
		447.01	LT. 2+27.22	19.45	10
		446.89	LT. 2+37.22	19.16	10
		446.74	LT. 2+47.22	19.02	10

STATIONING ALONG MCCREE RD	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG IL 148	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
LT. 0+91.67	15.94	445.97			10
LT. 0+81.80	17.43	446.07			10
LT. 0+72.42	20.86	446.17			10
LT. 0+63.91	26.08	446.27			10
LT. 0+56.61	32.88	446.37	RT. 114+44.56	51.17	10
LT. 0+50.80	41.00	446.41	RT. 114+53.37	46.28	10
		446.45	RT. 114+62.83	42.78	10
		446.48	RT. 114+72.45	39.67	10
		446.52	RT. 114+82.20	37.06	10
		446.49	RT. 114+92.06	34.91	10
		446.45	RT. 115+02.01	33.23	10
		446.42	RT. 115+12.02	32.01	10
		446.39	RT. 115+22.07	31.27	10
		446.36	RT. 115+32.15	31.00	10



STATIONING ALONG GRAND ROAD	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG IL 148	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
LT. 1+44.29	19.00	447.84			10
LT. 1+34.31	19.45	447.87			10
LT. 1+24.40	20.81	447.91			10
LT. 1+14.66	23.07	447.94			10
LT. 1+05.17	26.19	447.98			10
LT. 0+96.00	30.17	448.01			10
LT. 0+87.22	34.96	448.11			10
LT. 0+78.92	40.53	448.21			10
LT. 0+71.16	46.83	448.31	LT. 113+77.81	67.15	10
LT. 0+64.00	53.81	448.41	LT. 113+70.17	60.86	10
LT. 0+57.51	61.41	448.51	LT. 113+61.97	55.31	10
		448.67	LT. 113+53.39	50.39	10
		448.83	LT. 113+44.52	45.99	10
		448.99	LT. 113+35.40	42.13	10
		449.15	LT. 113+26.07	38.03	10
		449.31	LT. 113+16.54	36.09	10
		449.41	LT. 113+06.87	33.94	10
		449.51	LT. 112+97.08	32.37	10
		449.61	LT. 112+87.21	31.39	10
		449.71	LT. 112+77.30	31.01	10

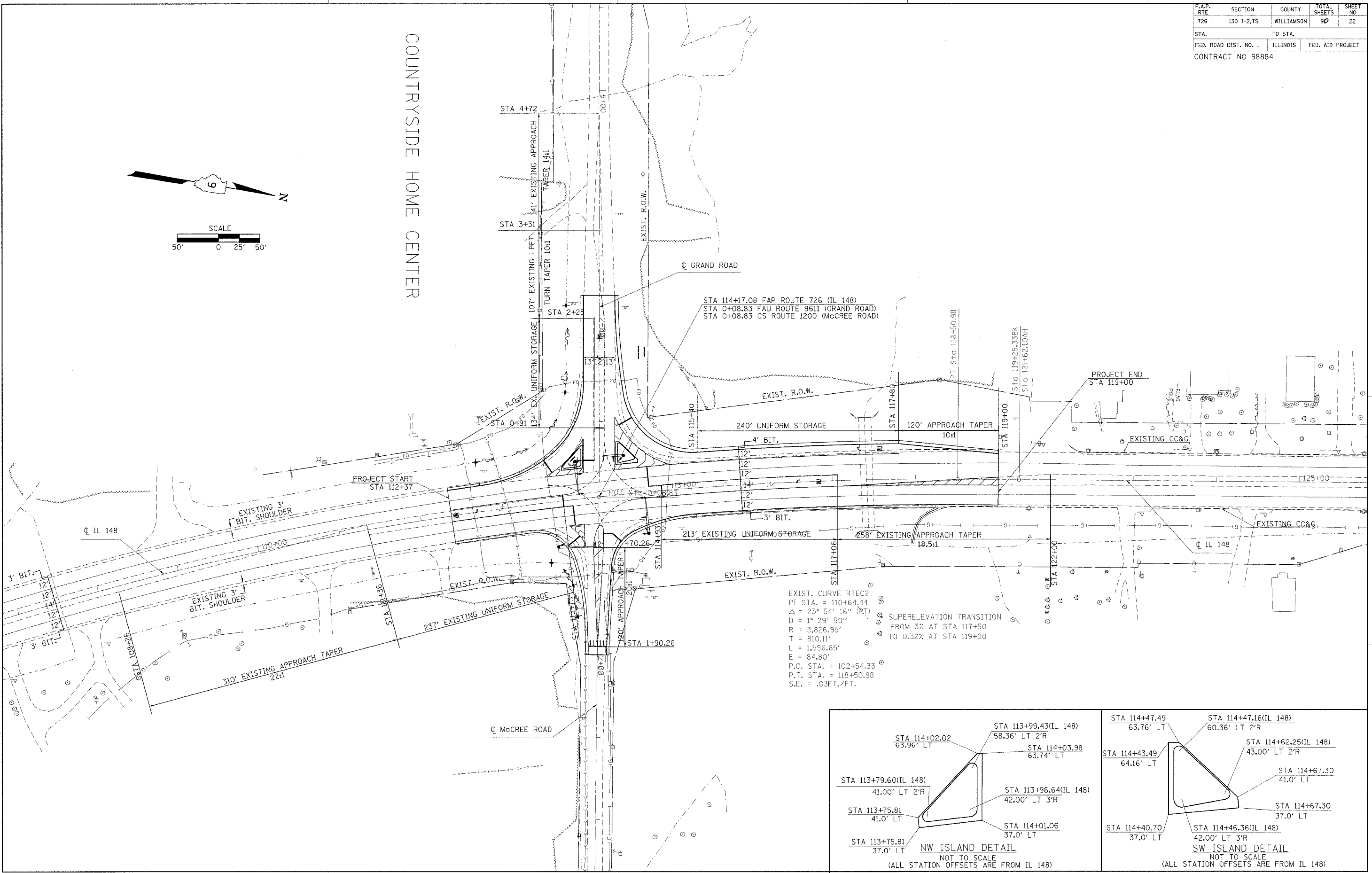
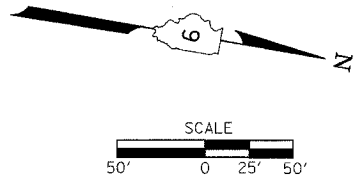
STATIONING ALONG IL 148	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG MCCREE RD	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
RT. 113+30.56	31.00	447.46			10
RT. 113+40.57	31.98	447.35			10
RT. 113+50.21	34.90	447.24			10
RT. 113+59.08	39.63	446.86			10
RT. 113+66.86	45.99	446.48	RT. 0+60.60	43.90	10
RT. 113+73.23	53.75	446.10	RT. 0+67.48	36.75	10
RT. 113+77.93	62.59	445.93	RT. 0+75.67	30.96	10
		445.76	RT. 0+84.82	26.97	10
		445.59	RT. 0+94.34	23.90	10
		445.42	RT. 1+03.96	21.19	10
		445.10	RT. 1+13.68	18.83	10
		444.77	RT. 1+23.48	16.82	10
		444.45	RT. 1+33.34	15.17	10
		444.12	RT. 1+43.25	13.88	10
		443.80	RT. 1+53.21	12.95	10



DATE: TIME: 4:00N-SPEC: 4:00N-PRG4

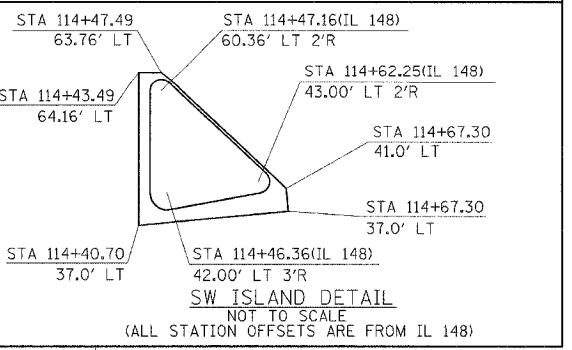
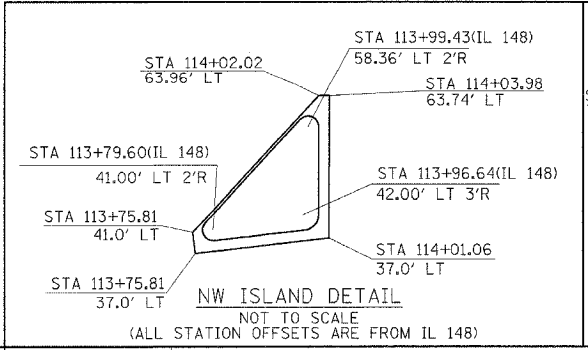
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
726	130 1-2,TS	WILLIAMSON	90	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				

COUNTRYSIDE HOME CENTER



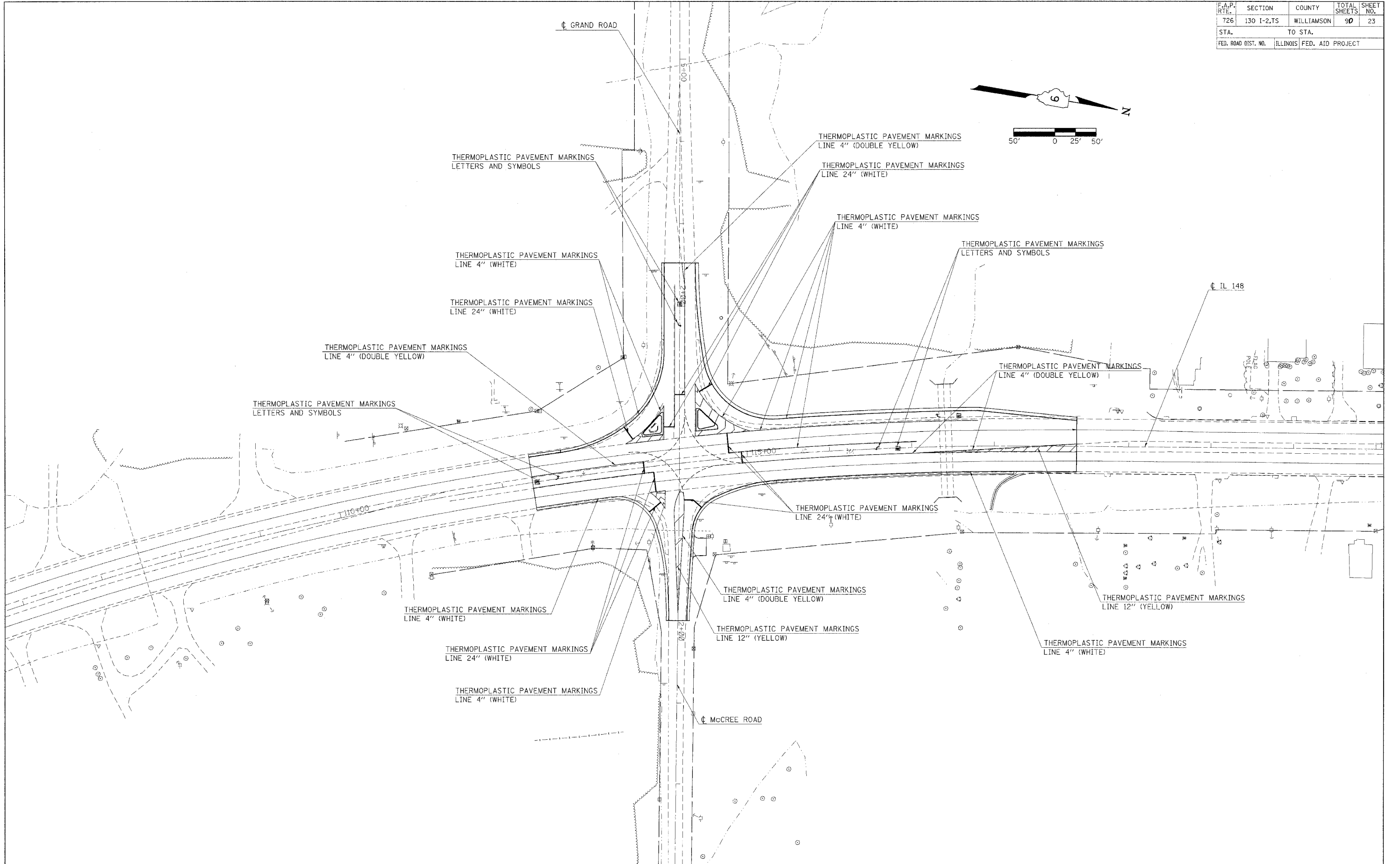
EXIST. CURVE RTE2
 PI STA. = 110+64.44
 $\Delta = 23^\circ 54' 16''$ (RT)
 $D = 1^\circ 29' 50''$
 $R = 3,826.95'$
 $T = 810.11'$
 $L = 1,596.65'$
 $E = 84.80'$
 P.C. STA. = 102+54.33
 P.T. STA. = 118+50.98
 S.E. = .03FT./FT.

SUPERELEVATION TRANSITION
 FROM 3% AT STA 117+50
 TO 0.32% AT STA 119+00



DATE: TIME:
 DRAWN BY:
 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 04/01/00
 FILE NAME = 071115.DWG
 PLOT FILE = 071115.PLT
 REFERENCE = 071115

PAVEMENT MARKINGS

F.A.P. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
726	130 I-2,TS	WILLIAMSON	90	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				

LEGEND

- PROPOSED DETECTOR LOOPS
- PROPOSED PVC CONDUIT
- PROPOSED MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- EXISTING BRACKET MOUNTED SIGNAL HEAD
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED MAST ARM MOUNTED SIGNAL HEAD
- PROPOSED BRACKET MOUNTED SIGNAL HEAD
- CONDUIT IN TRENCH
- " PVC SIZE OF CONDUIT

EXISTING HORIZONTAL MOUNT LIGHTING TO BE REMOVED BY AMEREN CIPS LIGHTING TO REMAIN IN SERVICE DURING CONSTRUCTION

PROPOSED MAST ARM ASSEMBLY AND POLE, 44 FT, 1 EACH
CONCRETE FOUNDATION, TYPE E, 36-INCH DIA, 13 FT
STA 113+92.79, 45.81' LT (IL 148), ELEV 449.14

PROPOSED COMBINATION MAST ARM ASSEMBLY AND POLE, 24 FT, 1 EACH
CONCRETE FOUNDATION, TYPE E, 30-INCH, 10 FT
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT, 2 EACH
STA 114+53.11, 46.83' LT (IL 148), ELEV 448.87

PROPOSED CONCRETE HANDHOLE, 1 EACH
STA 113+68.00, 75.00' LT (IL 148), ELEV 446.87

PROPOSED CONCRETE HANDHOLE, 1 EACH
STA 114+87.63, 74.00' LT (IL 148), ELEV 446.95

PROPOSED GULFBOX JUNCTION, 1 EACH
STA 117+00.00, 52.00' LT (IL 148),
MATCH EXIST ELEV

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
SEE NOTE 1

PROPOSED GULFBOX JUNCTION, 1 EACH
STA 115+13.00, 58.00' LT (IL 148), ELEV 447.14

PROPOSED MAST ARM ASSEMBLY AND POLE, 44 FT, 1 EACH
CONCRETE FOUNDATION, TYPE E, 36-INCH DIA, 13 FT
STA 114+72.85, 50.00' RT (IL 148), ELEV 445.50

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
SEE NOTE 1

PROPOSED CONCRETE HANDHOLE, 1 EACH
STA 113+50.00, 46.00' RT (IL 148), ELEV 446.18

PROPOSED CONCRETE HANDHOLE, 1 EACH
STA 114+52.00, 73.00' RT (IL 148), ELEV 442.17

PROPOSED GULFBOX-JUNCTION, 1 EACH
STA 111+38.00, 40.00' RT (IL 148),
MATCH EXIST ELEV

PROPOSED FULL ACTUATED CONTROLLER AND TYPE IV CABINET, 1 EACH
LIGHTING CONTROLLER-PHOTOCELL RELAY, 1 EACH
CONCRETE FOUNDATION, TYPE D, 3 FT
STA 113+45.82, 81.08' RT (IL 148), ELEV 444.88

PROPOSED COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT, 1 EACH
CONCRETE FOUNDATION, TYPE E, 36-INCH DIA, 13 FT
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT, 2 EACH
STA 113+61.15, 54.60' RT (IL 148), ELEV 445.62

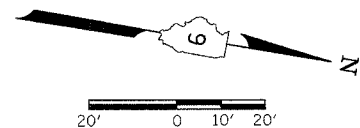
PROPOSED CONCRETE HANDHOLE, 1 EACH
STA 113+58.22, 82.20' RT (IL 148), ELEV 443.69

EXISTING HORIZONTAL MOUNT LIGHTING TO BE REMOVED BY AMEREN CIPS LIGHTING TO REMAIN IN SERVICE DURING CONSTRUCTION

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
SEE NOTE 1

NOTES:

- THE PAY ITEM FOR REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL INCLUDE THE REMOVAL OF:
 - 1F-1S BRACKET MOUNTED SIGNAL HEAD STA 113+90 LT
STA 114+35 RT
 - CONDUIT ATTACHED TO STRUCTURE STA 113+90 LT
STA 114+35 RT
 - EXISTING SERVICE INSTALLATION STA 113+73 RT

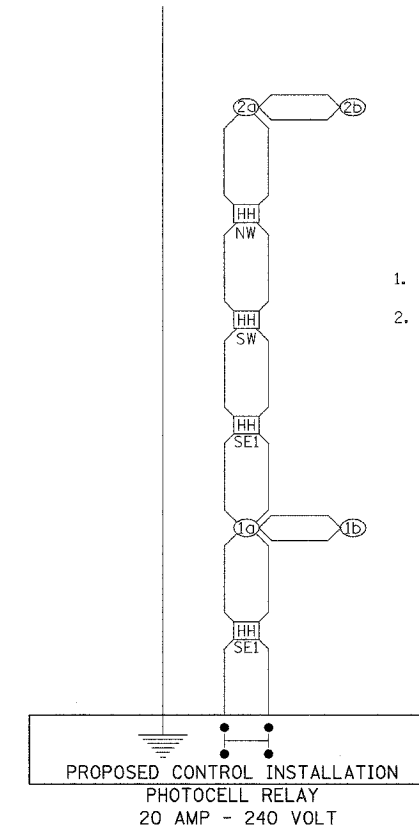
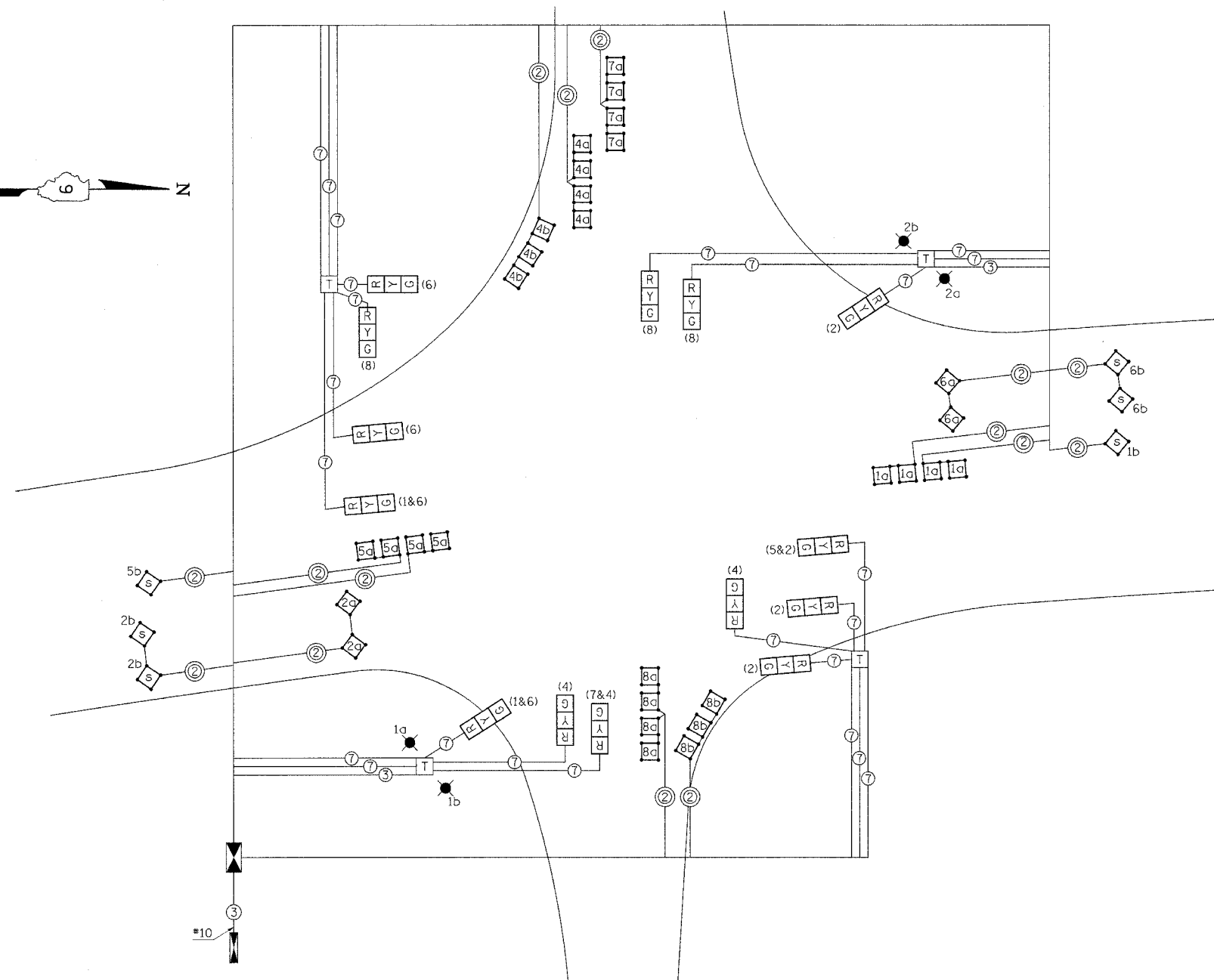


PLOT DATE = 8/20/18
PLOT SCALE = 1"=40'
PLOT SCALE = 1"=40'
REFERENCE = 08/18/18

**PROPOSED TRAFFIC SIGNAL & LIGHTING
ILLINOIS 148 & GRAND ROAD /MCCREE RD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	25
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
CONTRACT NO 98884				

WIRING DIAGRAM FOR ROADWAY LIGHTING



NOTES

1. ALL LUMINAIRES ARE 250 WATTS.
2. ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

LEGEND

- T INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- 4d INDICATES 6' x 6' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS.
- 2a INDICATES 5' x 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS.
- #10 TRAFFIC SIGNAL CONTROLLER CABINET
- #10 LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- 6a INDICATES 5' x 5' ADVANCE LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- 2 INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- 7 NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- (4) NUMBER IN PARENTHESIS INDICATES PHASE.
- 2a NUMBER INDICATES PHASE; LETTER OR LETTERS IDENTIFY AMPLIFIER
- LUMINAIRE

NOTE: ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.

NOTES

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.

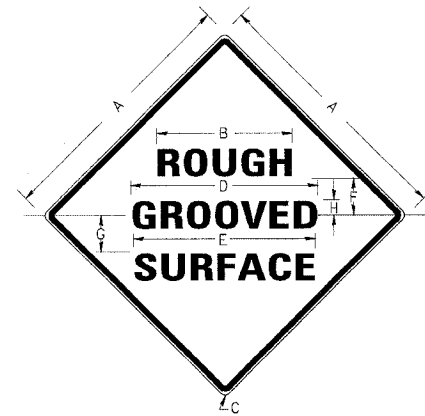
LEGEND

- HH INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
 - NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM.
 - 10 NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
 - INDICATES PROPOSED GROUND AT LIGHT STANDARD.
 - ⏏ INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.
- HANDHOLE DESIGNATIONS:
 NE NORTHEAST CORNER STA 114+52
 NW NORTHWEST CORNER STA 114+87.63
 SE1 SOUTHEAST CORNER STA 113+58.22
 SE2 SOUTHEAST CORNER STA 113+50
 SW SOUTHWEST CORNER STA 113+68

PLOT DATE = 8/20/88
 FILE NAME = 81114L
 REFERENCE = 88874

TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING

**ILLINOIS STANDARD
W8-I106**



COLORS:
LEGEND AND BORDER BLACK NON-REFLECTORIZED
BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIFS LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

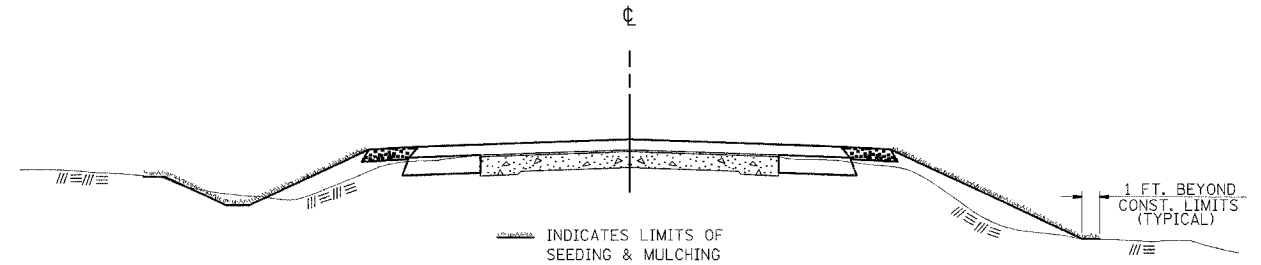
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
	STD 9-39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

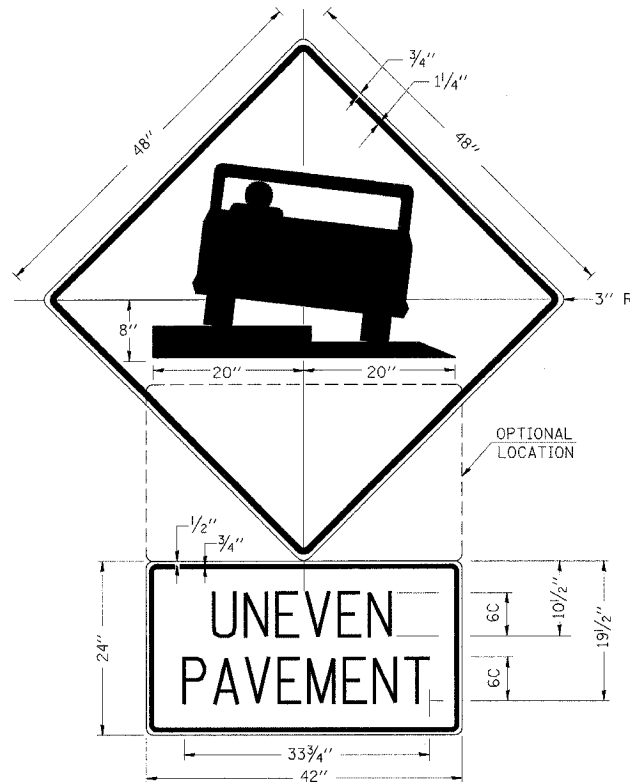
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
	STD. 9-12

**UNEVEN PAVEMENT SIGN
W8-9a-(0)-48**



COLORS:
LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

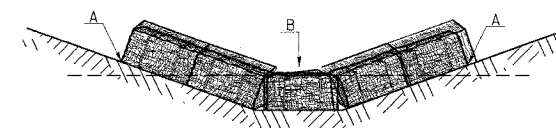
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

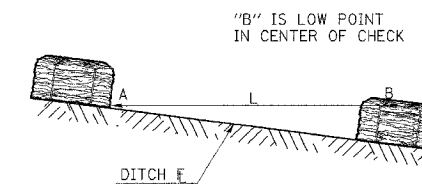
DRAWN	2-15-89
REVISED	4-6-93
	STD 9-41

PLACEMENT OF TEMPORARY STRAW BALE DITCH CHECK IN DRAINAGEWAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

REVISIONS

DRAWN	9-01-99
REVISED	10-3-01
	STD 9-108

DETAILS: ROUGH GROOVE SURFACE, UNEVEN PAVEMENT SIGN, SEEDING & MULCHING, TEMPORARY DITCH CHECKS





LOOP LAYOUT DETAIL

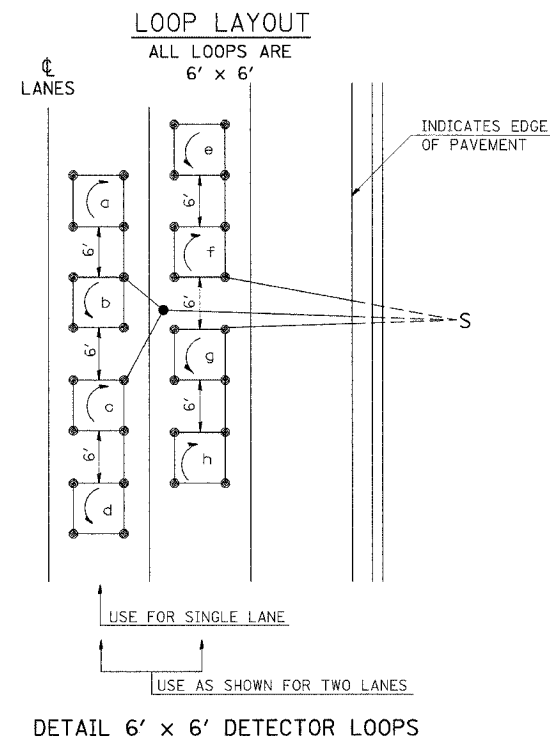
NOTES

(APPLIES TO 6' x 6' LOOPS ONLY)

1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION T418 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.

LOOP LEGEND

-  CLOCKWISE ROTATION FOR LOOP WIRES
-  COUNTERCLOCKWISE ROTATION FOR LOOP WIRES
-  INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
-  INDICATES 2" CORE-DRILL



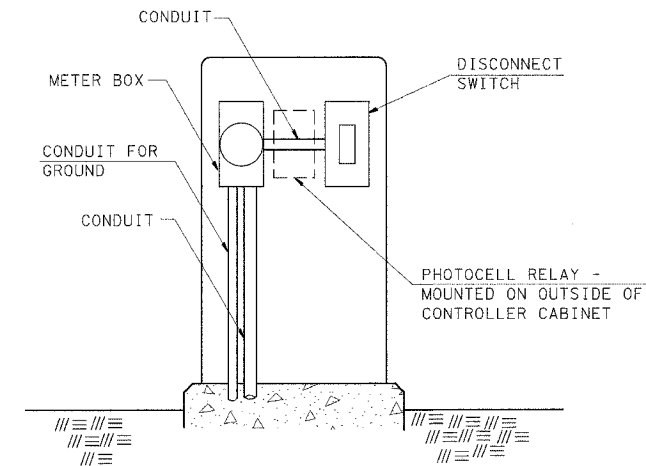
DETAIL 6' x 6' DETECTOR LOOPS

REVISIONS	
DRAWN	4-17-92
REVISED	3-27-96

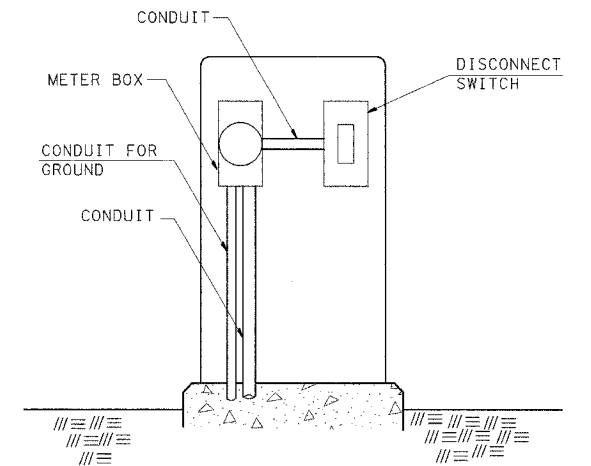
STD 9-92

SERVICE INSTALLATION DETAILS

MATERIAL AND SIZE OF CONDUIT AND CABLE AS REQUIRED BY UTILITY COMPANY



SERVICE INSTALLATION (SPECIAL) WITH PHOTOCELL RELAY



SERVICE INSTALLATION (SPECIAL)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	27

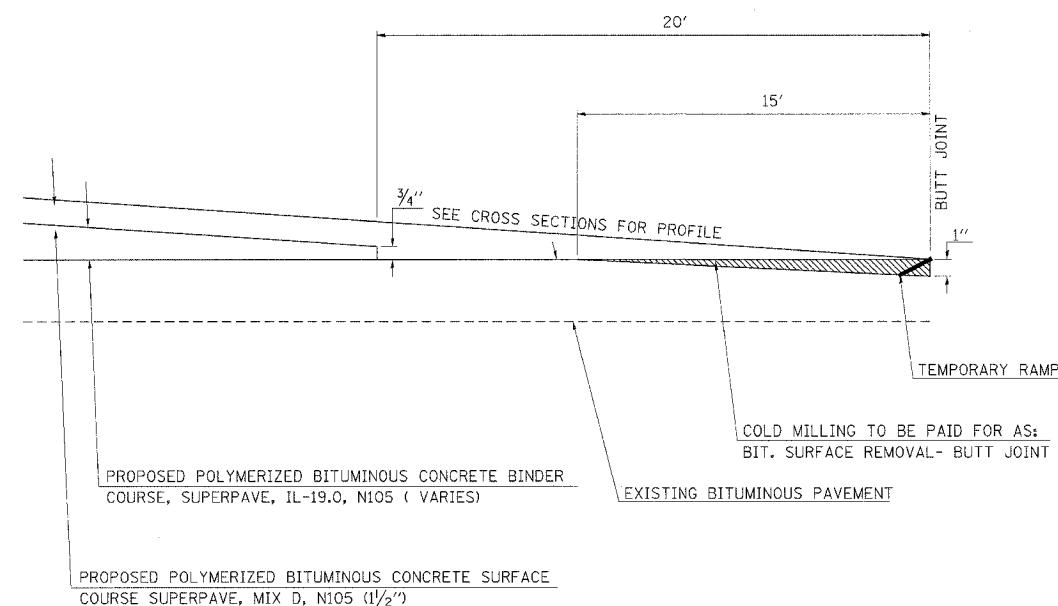
STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
CONTRACT NO 98884

REVISIONS	
DRAWN	1-31-90
REVISED	2-24-92

STD 9-68

BUTT JOINT DETAIL

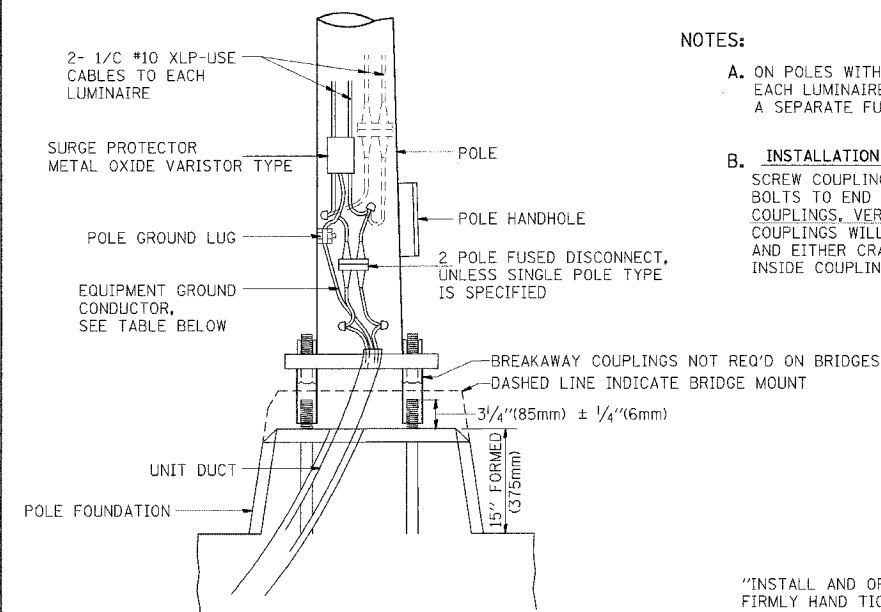
(McCREE ROAD)
NOT TO SCALE



TO BE USED:

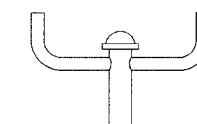
STA 1+80 TO STA 2+00

POLE BASE WIRING & LUMINAIRE MOUNTING



NOTES:

- ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT
- INSTALLATION INSTRUCTIONS:** SCREW COUPLINGS ON TO ANCHOR BOLTS TO END OF THREADS, LEVEL COUPLINGS. VERY IMPORTANT, AS COUPLINGS WILL BECOME OVERSTRESSED AND EITHER CRACK OR STRIP THREADS INSIDE COUPLING.



TWIN TENON

"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 3/4" (8.3mm) DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL 1/4" (6.3mm) TO 3/8" (9.5mm) TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS.

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 M.P.H. (128.7km/h) WIND LOADING AND 90 LB. (40.9kg) 4.0 SO. FT. (3.7m) E.P.A. LUMINAIRE.

POLE BASE WIRING

EQUIPMENT GROUND-TABLE

BREAKER SIZE	CONDUCTOR SIZE
30 AMP.	#10 COPPER
40 AMP.	#10 COPPER
60 AMP.	#10 COPPER
100 AMP.	#8 COPPER

REVISIONS	
DRAWN	3-8-95
REVISED	9-7-99

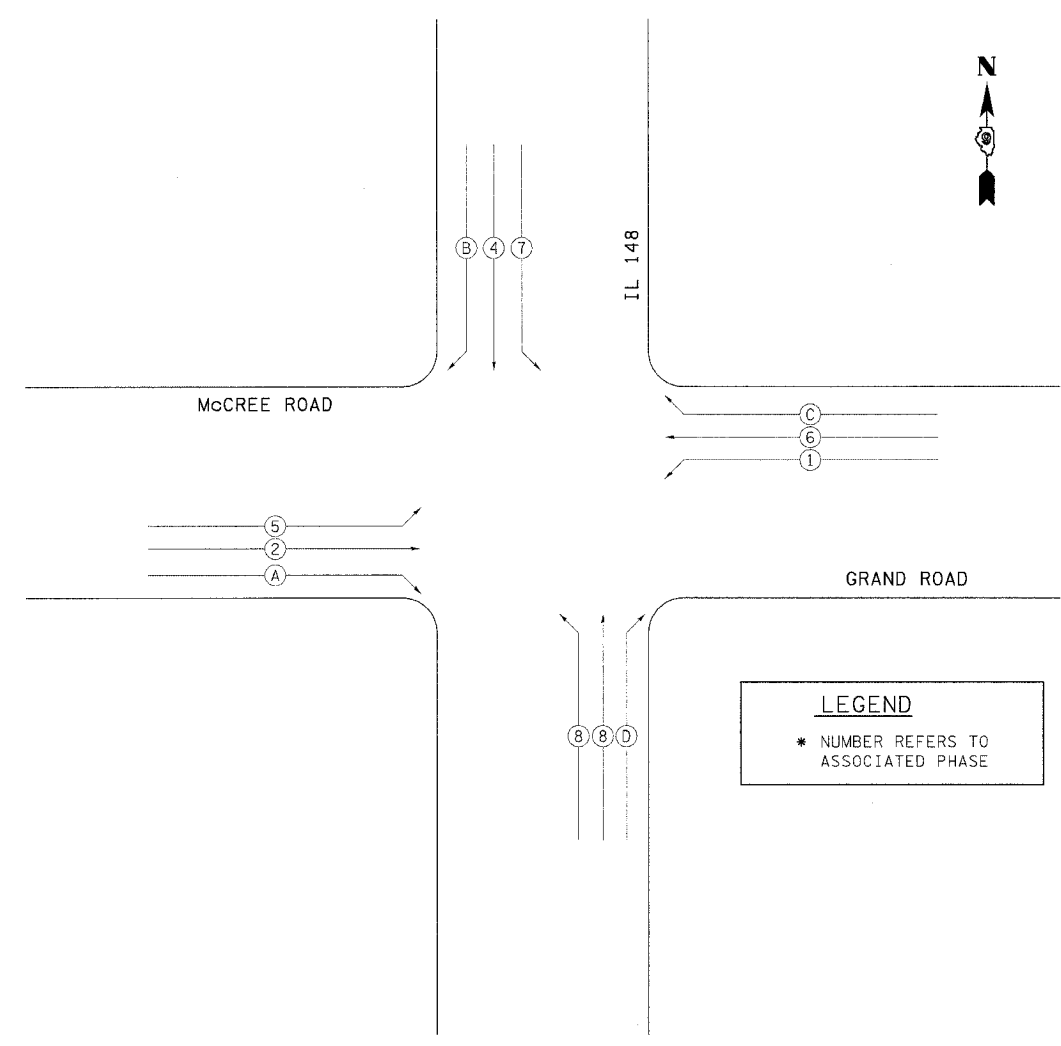
STD. 9-102

DETAILS: LOOP LAYOUT, SERVICE INSTALLATION, BUTT JOINT POLE BASE WIRING & LUMINAIRE MOUNTING

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2.TS	WILLIAMSON	9D	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO 98884				

NAME OF INTERSECTION: FAP 726 (ILL 148) AND GRAND ROAD/McCREE ROAD
 CONTROLLER SPECIFIED: FULL ACTUATED CONTROLLER, STANDARD SEQUENCE IV,
 8 PHASE, TYPE IV CONTROLLER CABINET

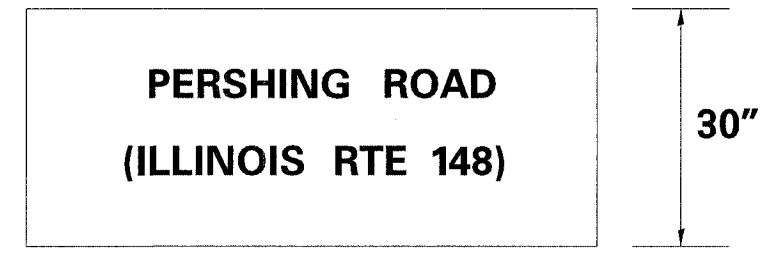
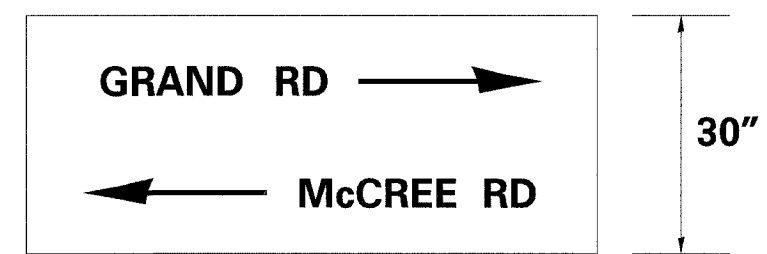
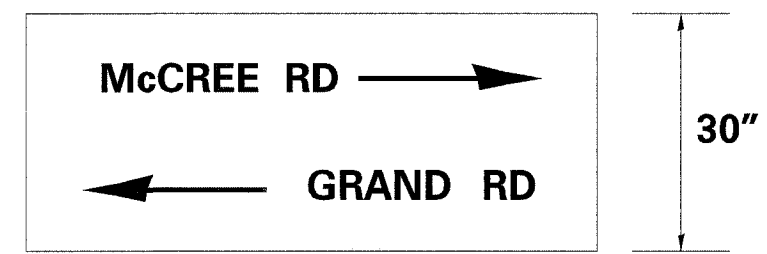
REFERRING TO STANDARD 857001, THE
 VEHICULAR AND PEDESTRIAN PHASES
 USED ARE DESIGNATED AS SHOWN.



LEGEND
 * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

REVISIONS	
DRAWN	1-31-90
REVISED	5-30-90
STD 9-66	



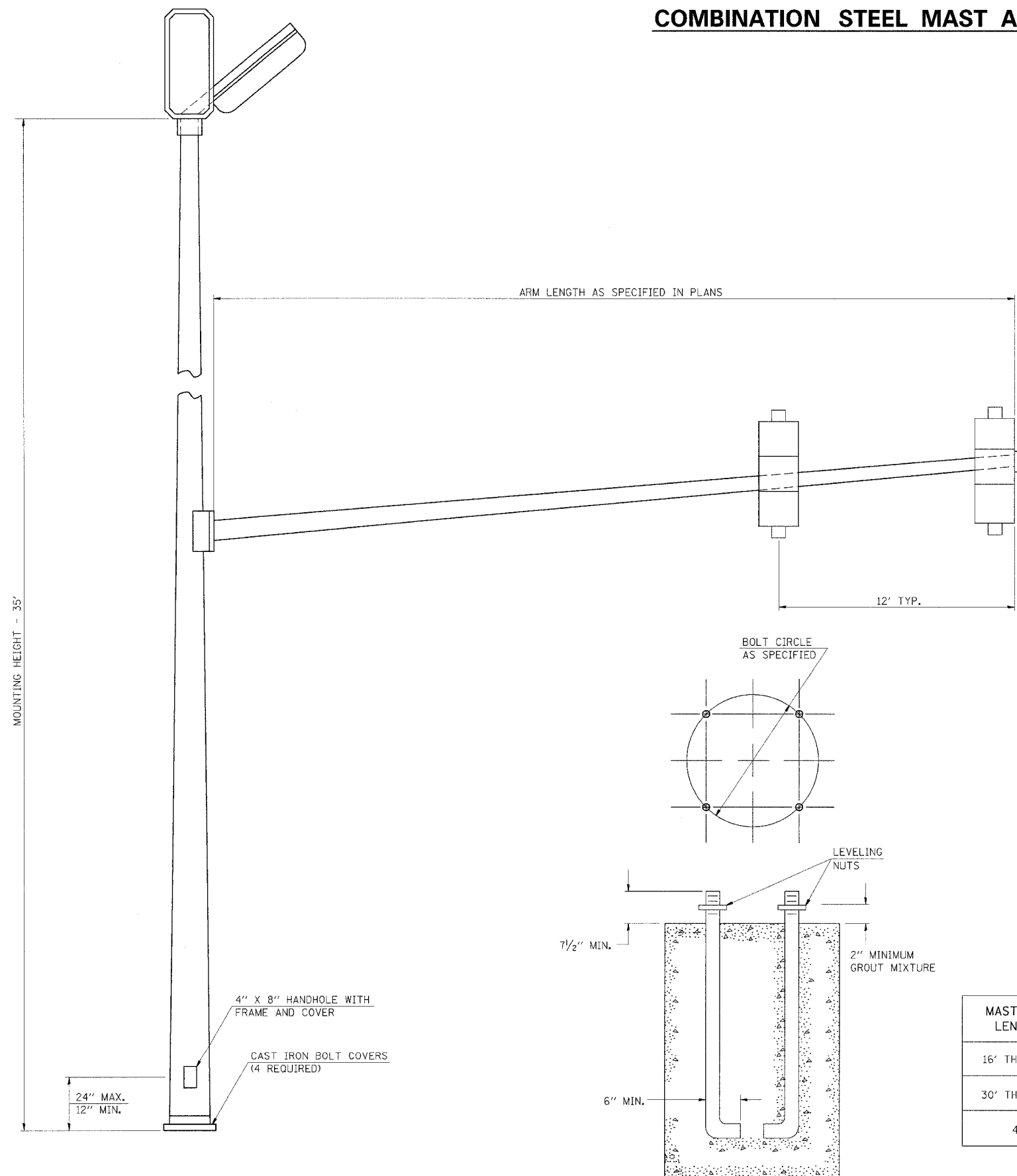
PHASE DIAGRAM, SIGN PANEL

COMBINATION STEEL MAST ARM ASSEMBLY AND POLE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO 98884				

GENERAL NOTES

1. THE COMBINATION MAST ARM ASSEMBLY AND POLE SHALL BE CONSTRUCTED WITH ONE PIECE MAST ARMS AND POLE OR OTHER EQUIVALENT SECTIONAL DESIGN.
2. THIS MAST ARM ASSEMBLY AND POLE SHALL BE DESIGNED TO SUPPORT ONE 80 POUND SIGNAL HEAD WITH A PROJECTED AREA OF 14.7 SQUARE FEET AT THE FREE END OF THE MAST ARM. ONE 24" x 30" SIGN, THE CENTER OF THE SIGN MOUNTED 3 FEET FROM THE CENTER OF THE SIGNAL HEAD ON THE FREE END. ONE 50 POUND SIGNAL HEAD WITH A PROJECTED AREA OF 8.7 SQUARE FEET, THE CENTER MOUNTED 12 FEET FROM THE CENTER OF THE SIGNAL HEAD ON THE FREE END. ONE 80 POUND SIGNAL HEAD WITH A PROJECTED AREA OF 14.7 SQUARE FEET, THE CENTER MOUNTED 24 FEET FROM THE CENTER OF THE SIGNAL HEAD ON THE FREE END. ONE 30" x 72" STREET NAME SIGN, THE CENTER MOUNTED 5 FEET FROM THE CENTER OF THE VERTICAL SHAFT OR MOUNTED CENTERED ON THE VERTICAL SHAFT. ONE 125 POUND SIGNAL HEAD WITH A PROJECTED AREA OF 7.6 SQUARE FEET MOUNTED WITH THE VERTICAL TERMINAL COMPARTMENT, 10 FEET ABOVE THE FOUNDATION. IN CASE OF TENON MOUNT COMBINATION STEEL MAST ARM, THE TYPICAL LOADING SHALL ALSO INCLUDE TWO 55 POUND LUMINARIES WITH A PROJECTED AREA OF 3 SQUARE FEET.
3. THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS SHOWING DESIGN MATERIALS, THICKNESS OF SECTIONS, WELD SIZES, AND ANCHOR BOLTS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. THESE DRAWINGS SHALL BE AT LEAST 17 INCHES BY 22 INCHES IN SIZE AND OF ADEQUATE QUALITY FOR MICROFILMING.
4. THE TYPE OF SIGNAL HEAD MOUNTING BRACKET TO BE USED SHALL BE APPROVED BY THE ENGINEER.
5. THE SIGNAL HEAD (INCLUDING BACKPLATE WHEN USED) SHALL NOT BE LESS THAN 16'-0" OR MORE THAN 18'-0" ABOVE THE CROWN OF PAVEMENT.
6. THE MANUFACTURER WILL BE ALLOWED TO SLOT THE BASE PLATE IN WHICH OTHER BOLT CIRCLES MAY FIT, PROVIDING THAT THESE SLOTS DO NOT OFFSET THE INTEGRITY OF THE POLE.
7. COMBINATION MAST ARM ASSEMBLIES AND POLES SHALL NOT BE INSTALLED WITHOUT THE LUMINAIRE.
8. THE ANCHOR BOLTS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 706.09 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



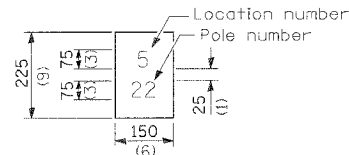
MAST ARM LENGTH	BOLT CIRCLE	ANCHOR BOLT SIZE
16' THRU 28'	15"	1 1/2" X 60"
30' THRU 42'	18"	1 1/2" X 60"
44'	18"	1 3/4" X 90"

REVISIONS	
DRAWN	2-13-90
REVISED	8-16-94

STD 9-70

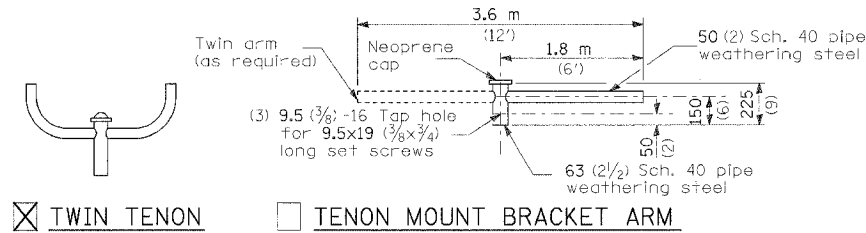
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a 8.3 (3/4) diameter hole through tenon, install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for 128.72 km (80 mph) wind loading and 40.82 kg (90 lb.), .37 m² (4.0 sq. ft.) E.P.A. luminaire.



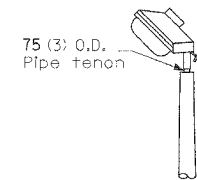
The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be 75 (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

The light pole identification shall be applied to sign base material as specified in section 719.11 of the Standard Specifications, approximately 180 (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.

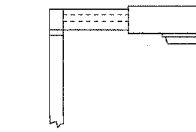


TWIN TENON

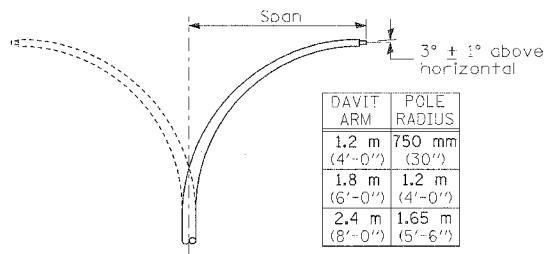
TENON MOUNT BRACKET ARM



TENON

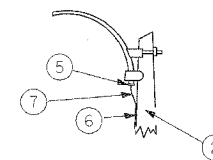


SHORT BRACKET

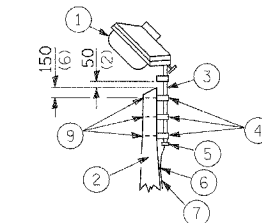


DAVIT ARM (and or)

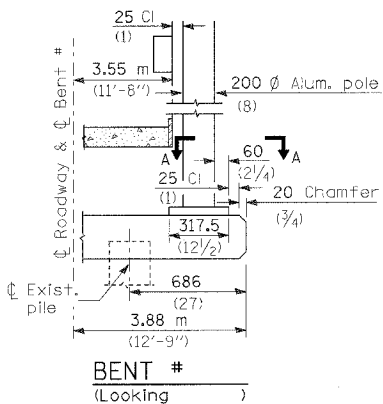
DAVIT ARM-TWIN



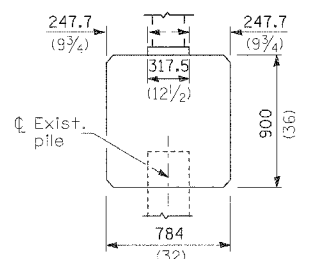
MAST ARM



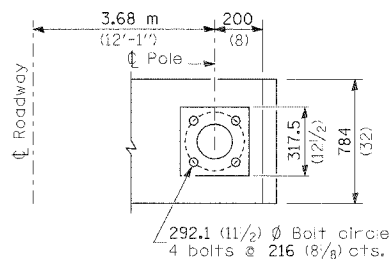
TENON



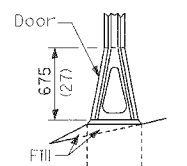
BENT # (Looking)



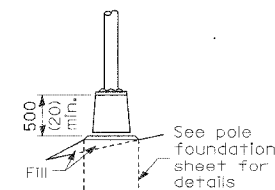
BRIDGE PIER MOUNT



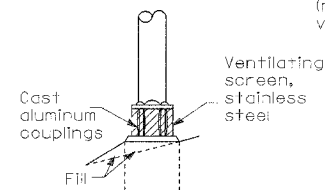
SECTION A-A



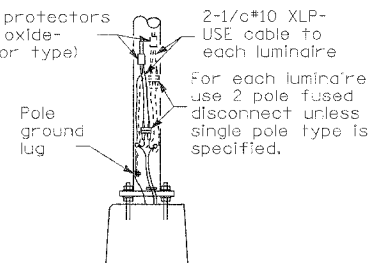
STAINLESS STEEL FLAIR BASE



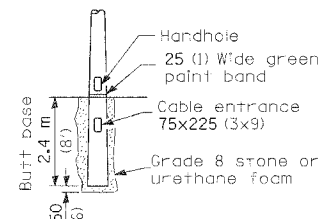
TRANSFORMER BASE



BREAKAWAY COUPLING

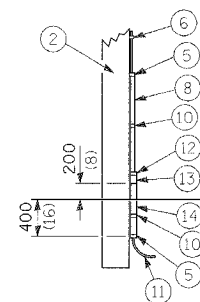


ANCHOR



BUTT BASE

- ① Luminaire
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type USE cable
- ⑧ 25 (1) Galv. steel conduit in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Conduit, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



Details for underground distribution if required

POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

METAL OR CONCRETE

POLE STANDARDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	35
STA. 115+25.00		TO STA. 115+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY: _____ DATE: _____

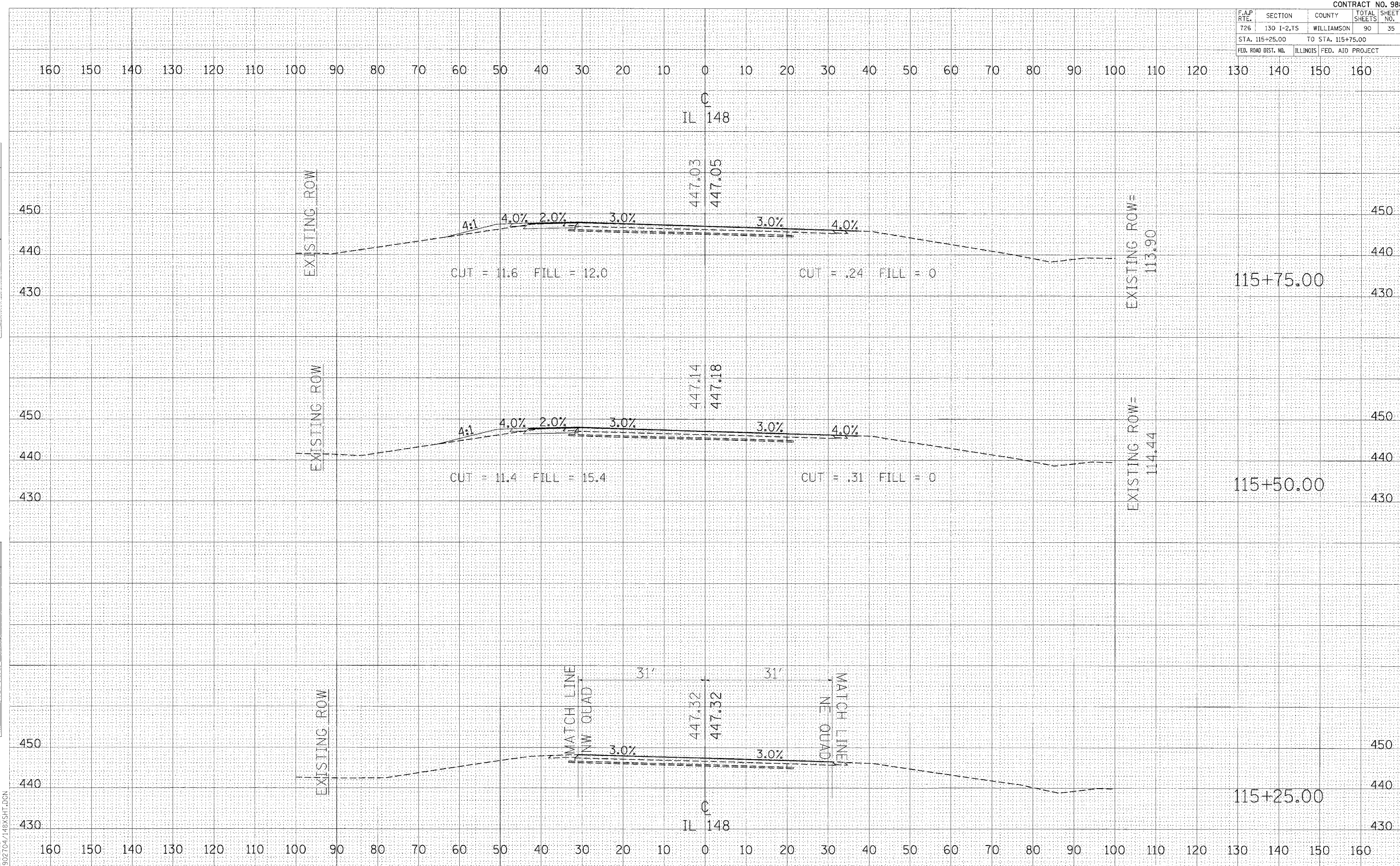
FINAL SURVEY PLOTTED AREAS CHECKED

OPTIONAL SURVEY PLOTTED AREAS CHECKED

BY: _____ DATE: _____

OPTIONAL SURVEY PLOTTED AREAS CHECKED

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 FILE NAME = 115+25.00
 PLOT SCALE = 1"=40'
 REFERENCE = REF#

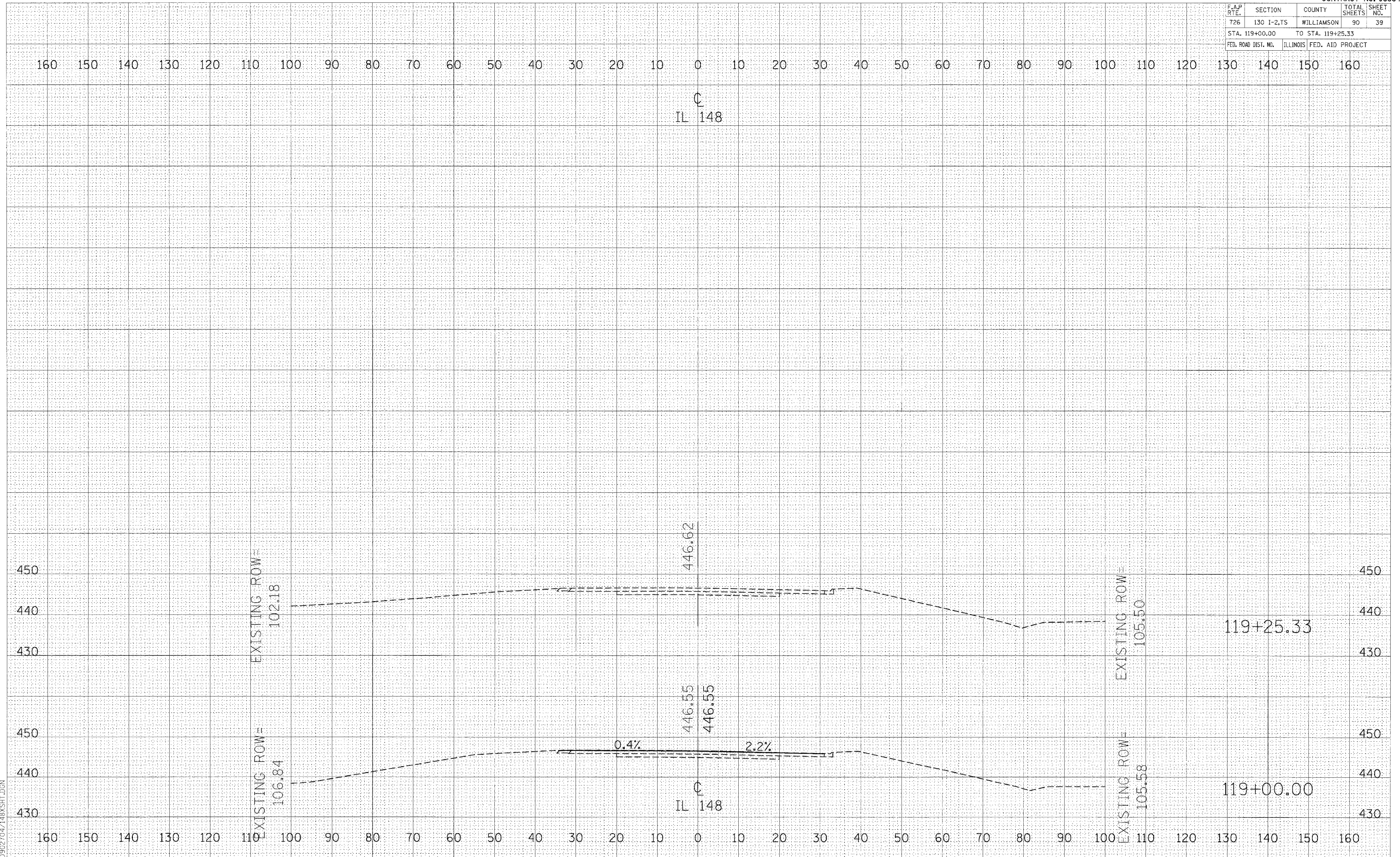


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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
REVISIONS		
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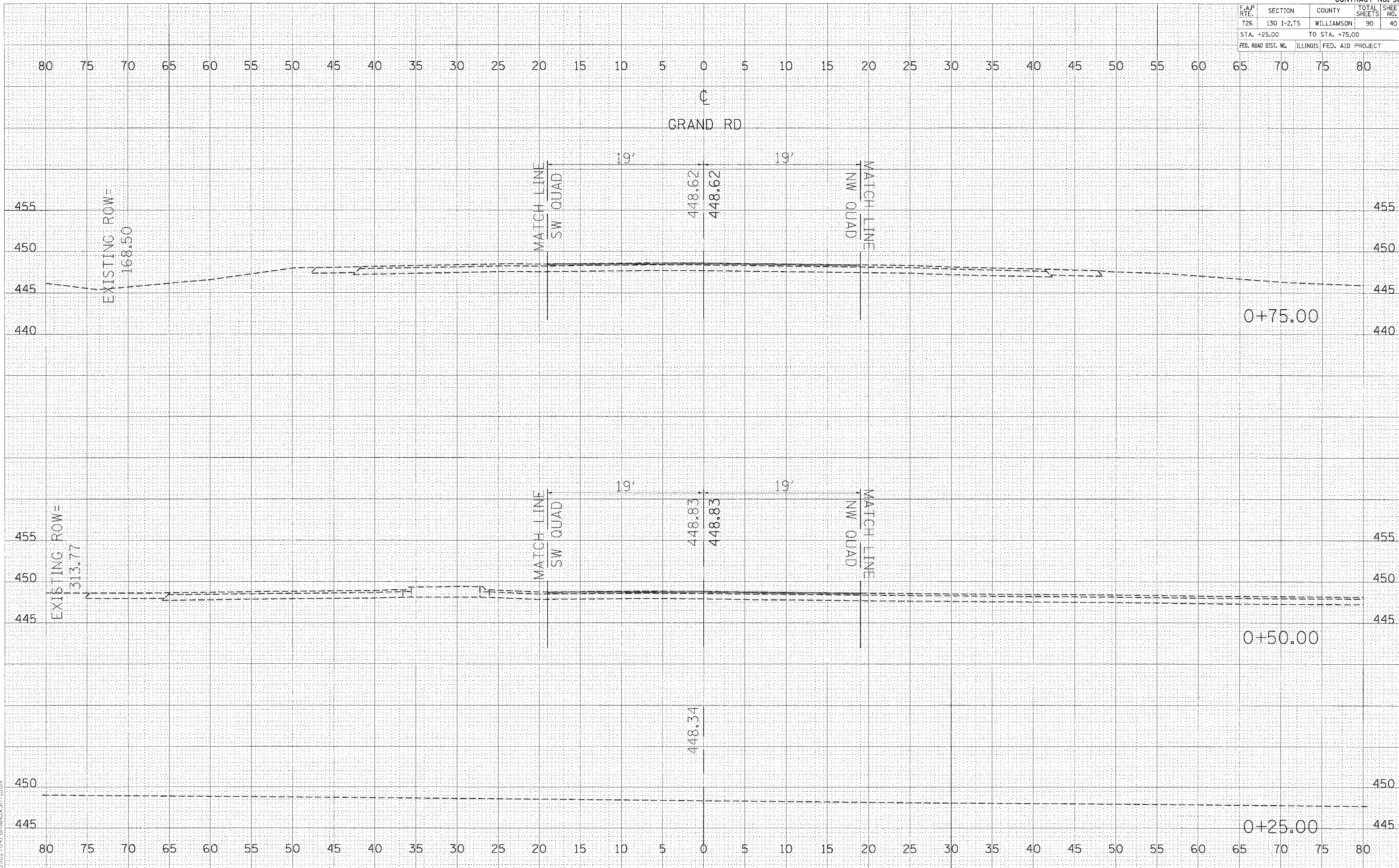
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REVISIONS		
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PLOT DATE: 04/14/2011
 FILE NAME: 119+00.00
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CROSS SECTIONS - IL 148

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,75	WILLIAMSON	90	40
STA. +25.00		TO STA. +75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FINAL SURVEY BY DATE
 SUBMITTED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO.
 AREA CHECKED

ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO.
 AREA CHECKED

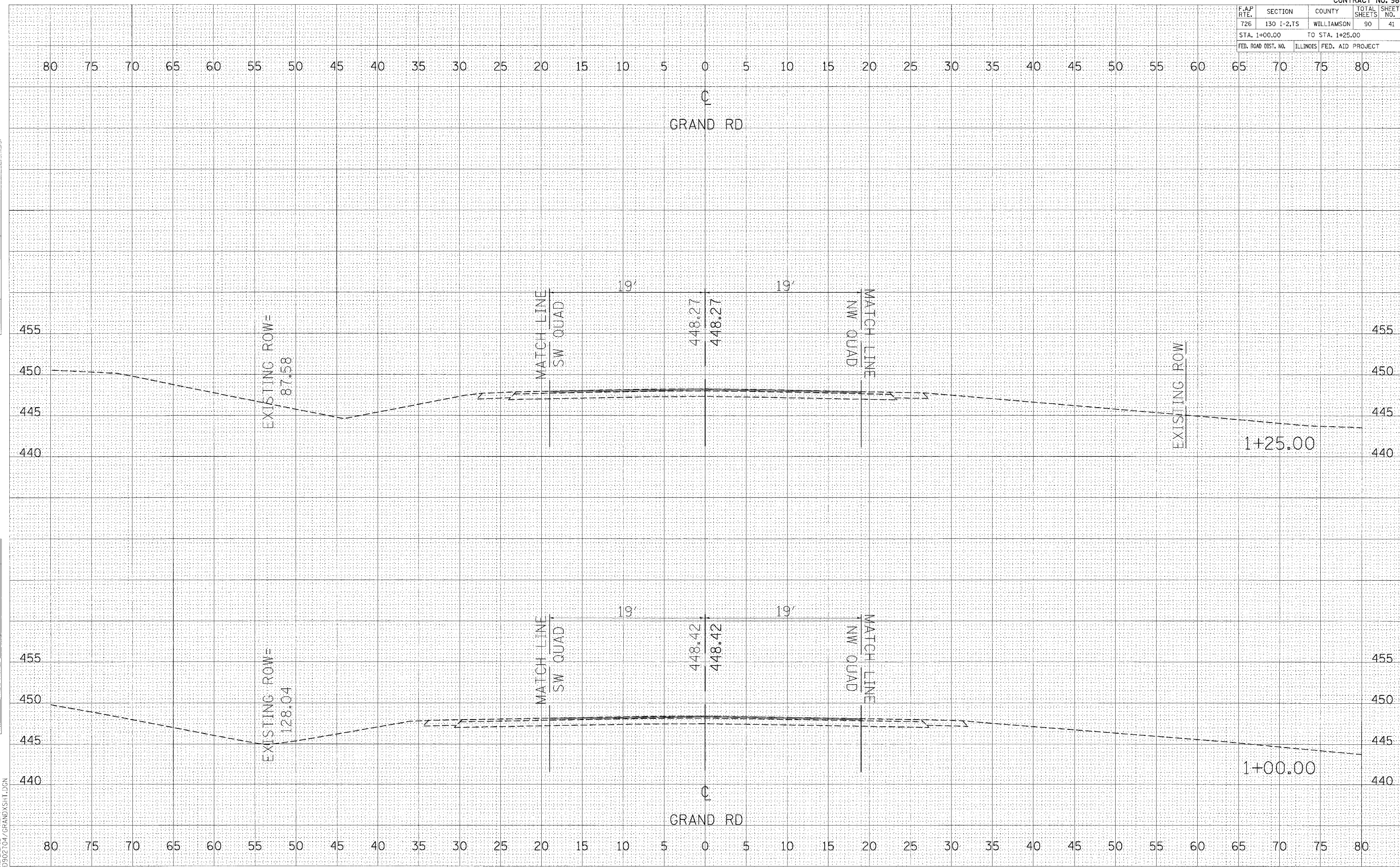
PLOT DATE * DATE *
 FILE NAME * FILE *
 PLOT SCALE * SCALE *
 REFERENCE * REF *
 0902704/GRANDXSH1.DGN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2, T5	WILLIAMSON	90	41
STA. 1+00.00			TO STA. 1+25.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY	DATE

BY	DATE

PLOT DATE * DATE *
 FILE NAME * FILE *
 PLOT SCALE * SCALE *
 REFERENCE * REF *
 D:\902704\GRANDXSH1.DGN



CROSS SECTIONS - GRAND ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	42
STA. 1+50.00 TO STA. 1+75.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

NO.	AREAS CHECKED

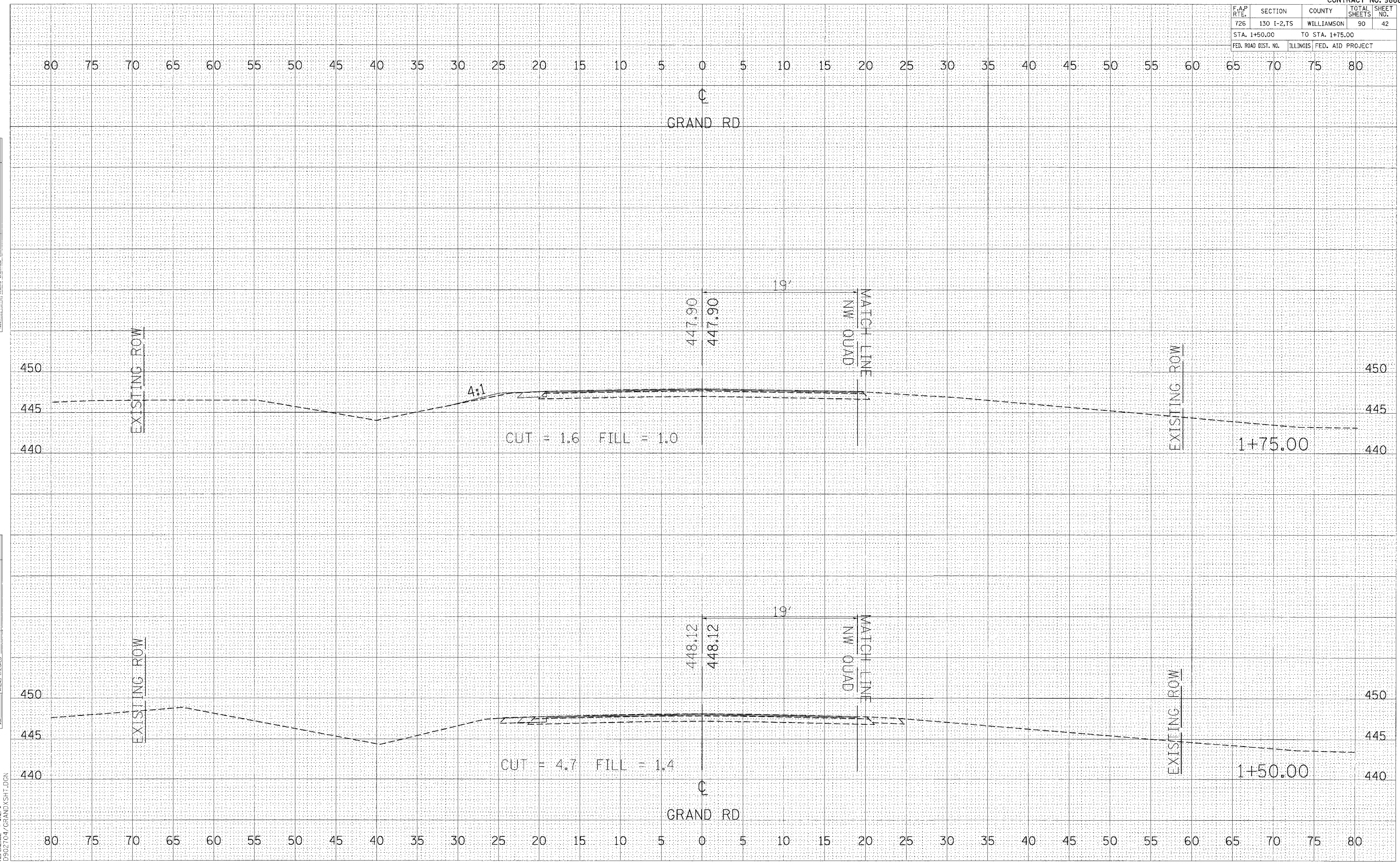
NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

NO.	AREAS CHECKED

DATE PLOTTED: 11/11/11
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REFERENCE: D902704/GRANDXSHT.DGN

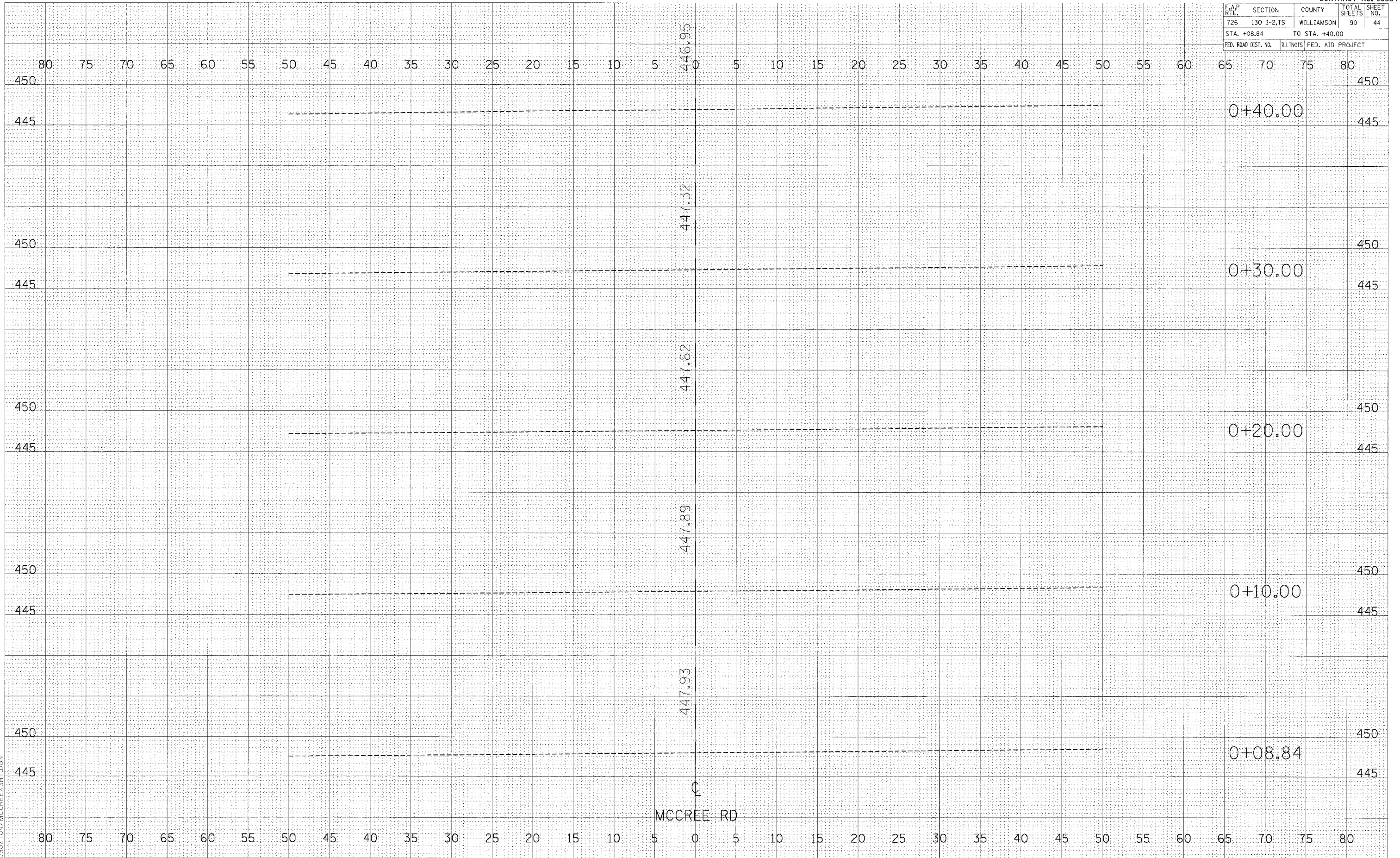


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,1S	WILLIAMSON	90	44
STA. +08.84 TO STA. +40.00				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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 FILE NAME = 041504.DWG
 PLOT SCALE = 1"=40'
 REFERENCE = BRG
 0902704/MCCREE.SHT.DGN



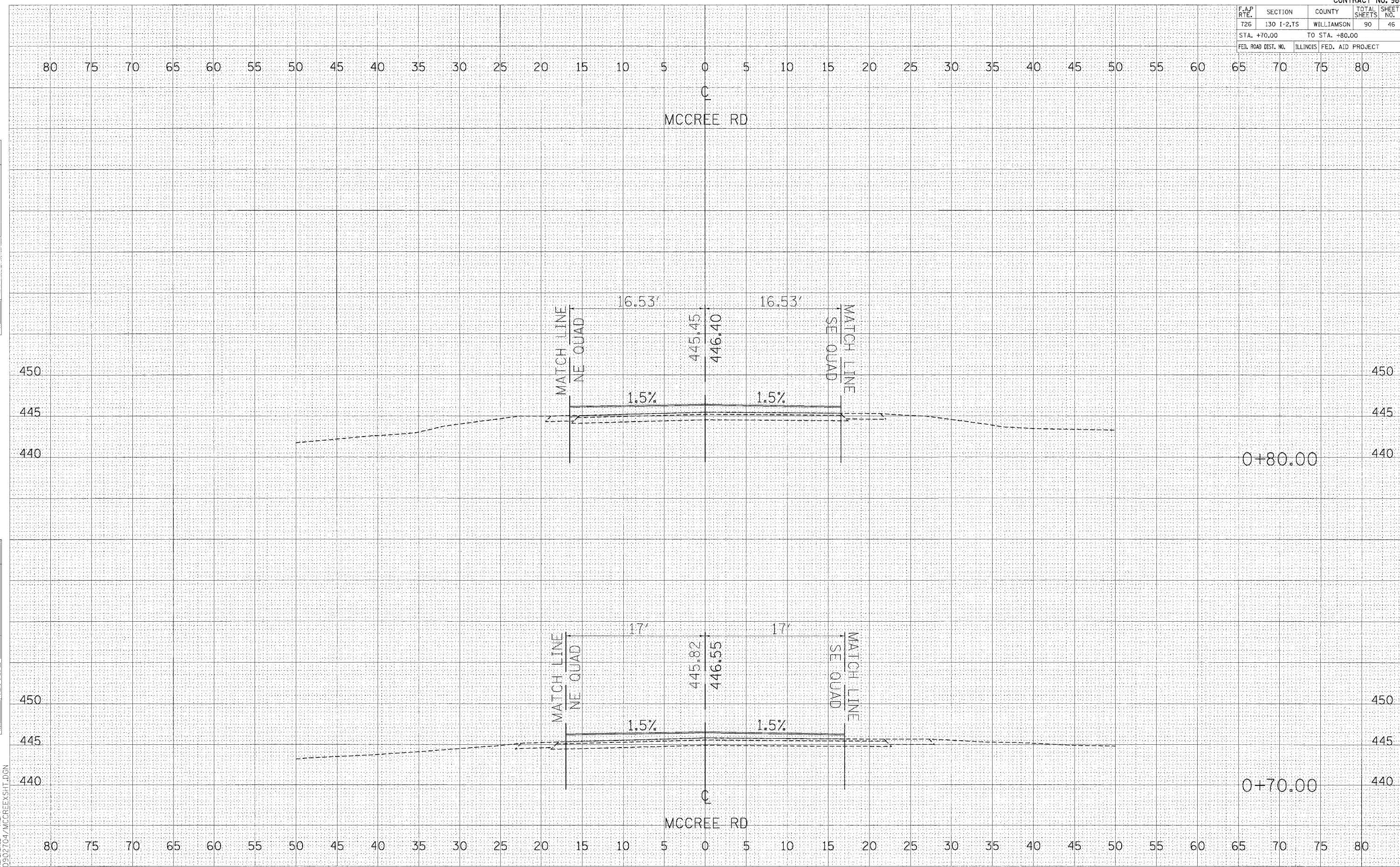
CROSS SECTIONS - MCCREE ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	46
STA. +70.00		TO STA. +80.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

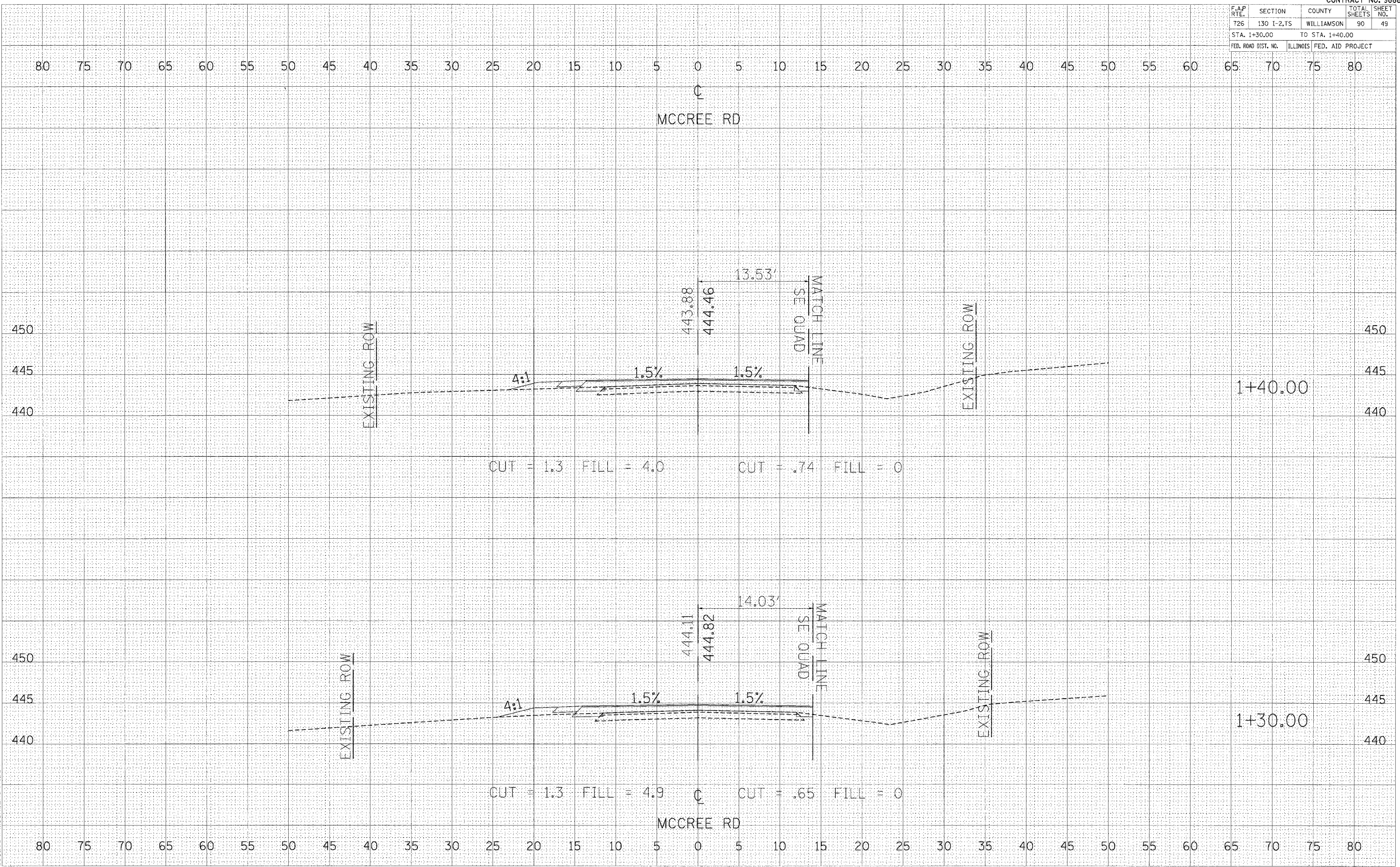
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ORIGINAL SURVEY	DATE
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PLOT DATE * * * * *
 FILE NAME * * * * *
 PLOT SCALE * * * * *
 REFERENCE * * * * *
 0902704\MCCREEXSHT.DGN



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	49
STA. 1+30.00 TO STA. 1+40.00				
ILLINOIS FED. AID PROJECT				



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

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

PLT DATE * * * * *
 FILE NAME * * * * *
 PLOT SCALE * * * * *
 REFERENCE * * * * *
 0902704\MCCREE.SHT.DGN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	50
STA. 1+50.00 TO STA. 1+60.00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

DATE	BY

NO.	AREAS CHECKED

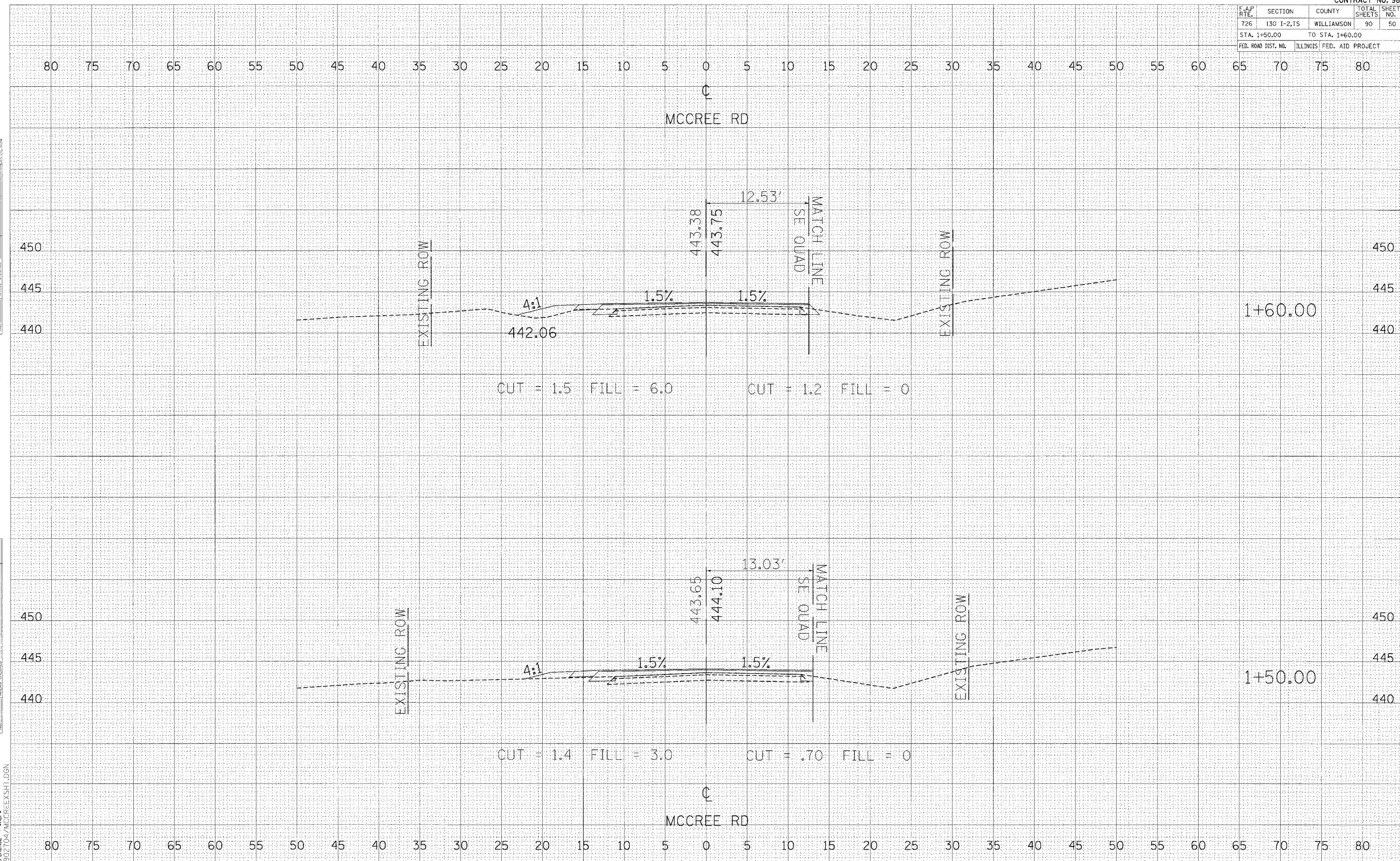
NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

NO.	AREAS CHECKED

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PLOT SCALE = 1"=40'
REFERENCE = REF#

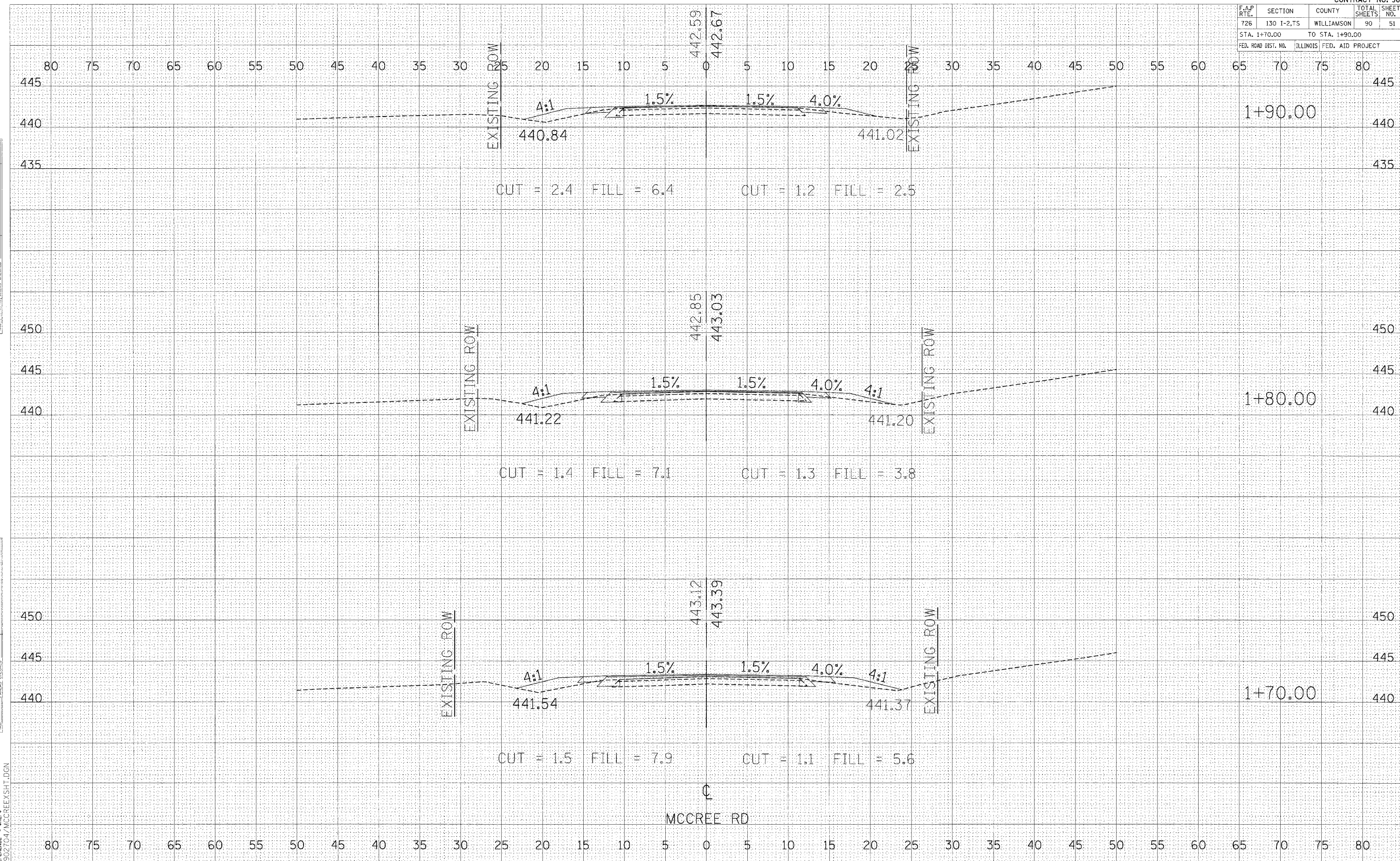


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 1-2,TS	WILLIAMSON	90	51
STA. 1+70.00		TO STA. 1+90.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY	DATE
FINISHED	
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NOTE BOOK	
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ORIGINAL	
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 PLOT SCALE = INCHES
 PLOT SCALE = FEET
 REFERENCE = REF
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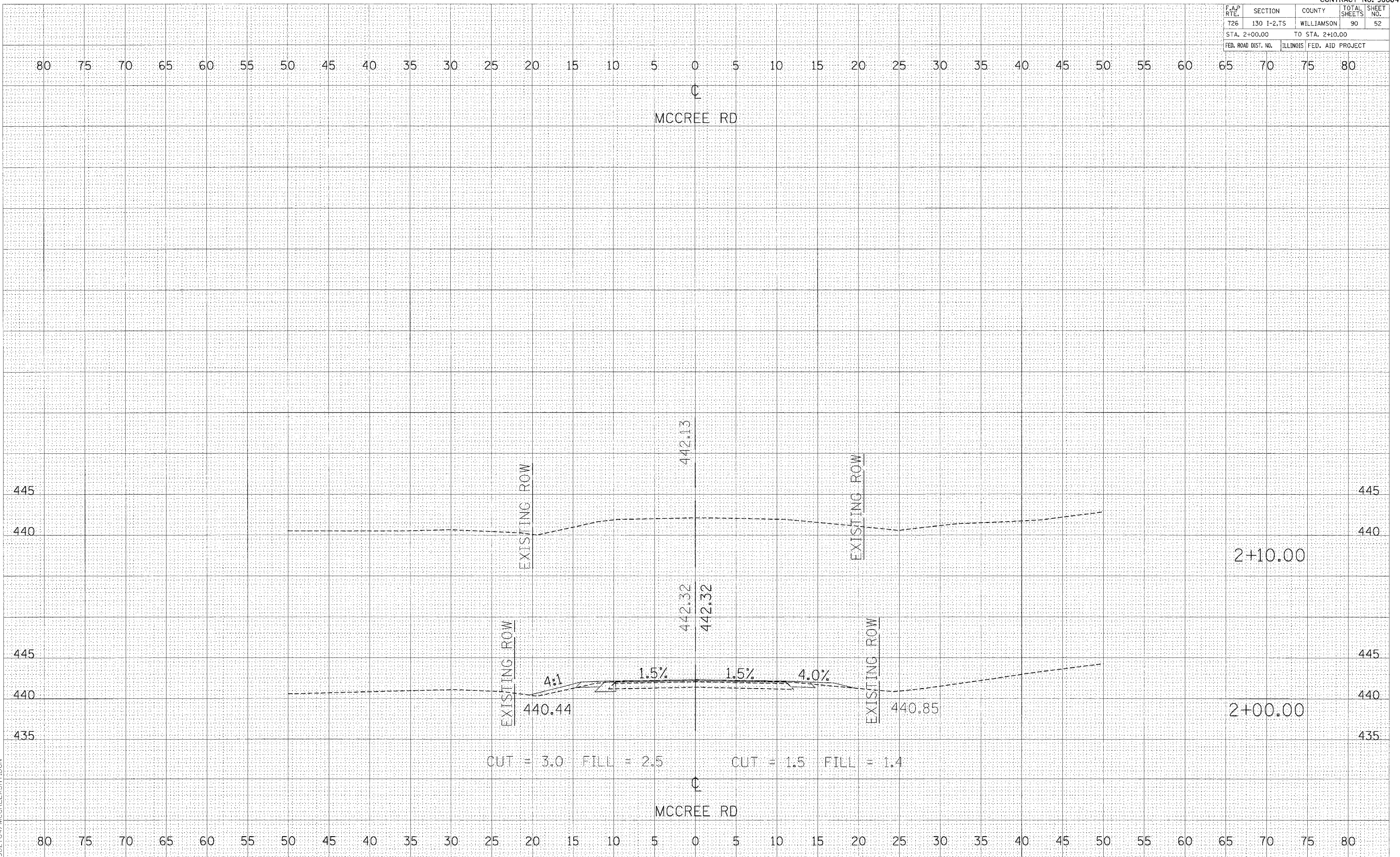
CROSS SECTIONS - MCCREE ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2.TS	WILLIAMSON	90	52
STA. 2+00.00		TO STA. 2+10.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

PLOT DATE = 04/17/04
 PLOT SCALE = 1" = 20'
 REFERENCE = 01/04/04
 D902704/MCCREEXSHT.DGN



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	54
STA. +20.00 TO STA. +30.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY _____ DATE _____

FINAL SURVEY _____

NOTED _____

AREAS CHECKED _____

BY _____ DATE _____

ORIGINAL SURVEY _____

NOTED _____

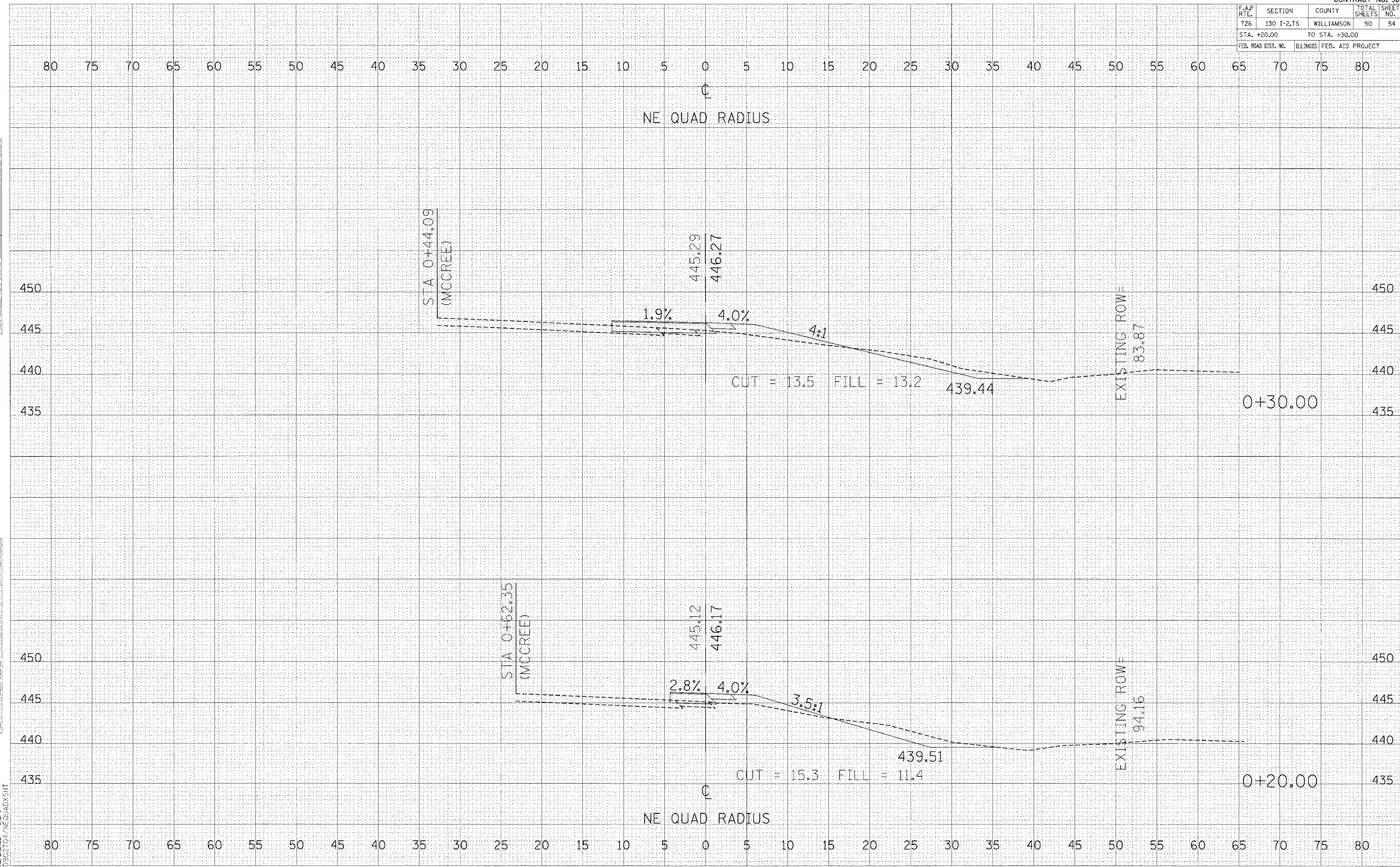
AREAS CHECKED _____

0902704/NEQUADXSHT

DATE _____

SCALE _____

REFERENCE _____



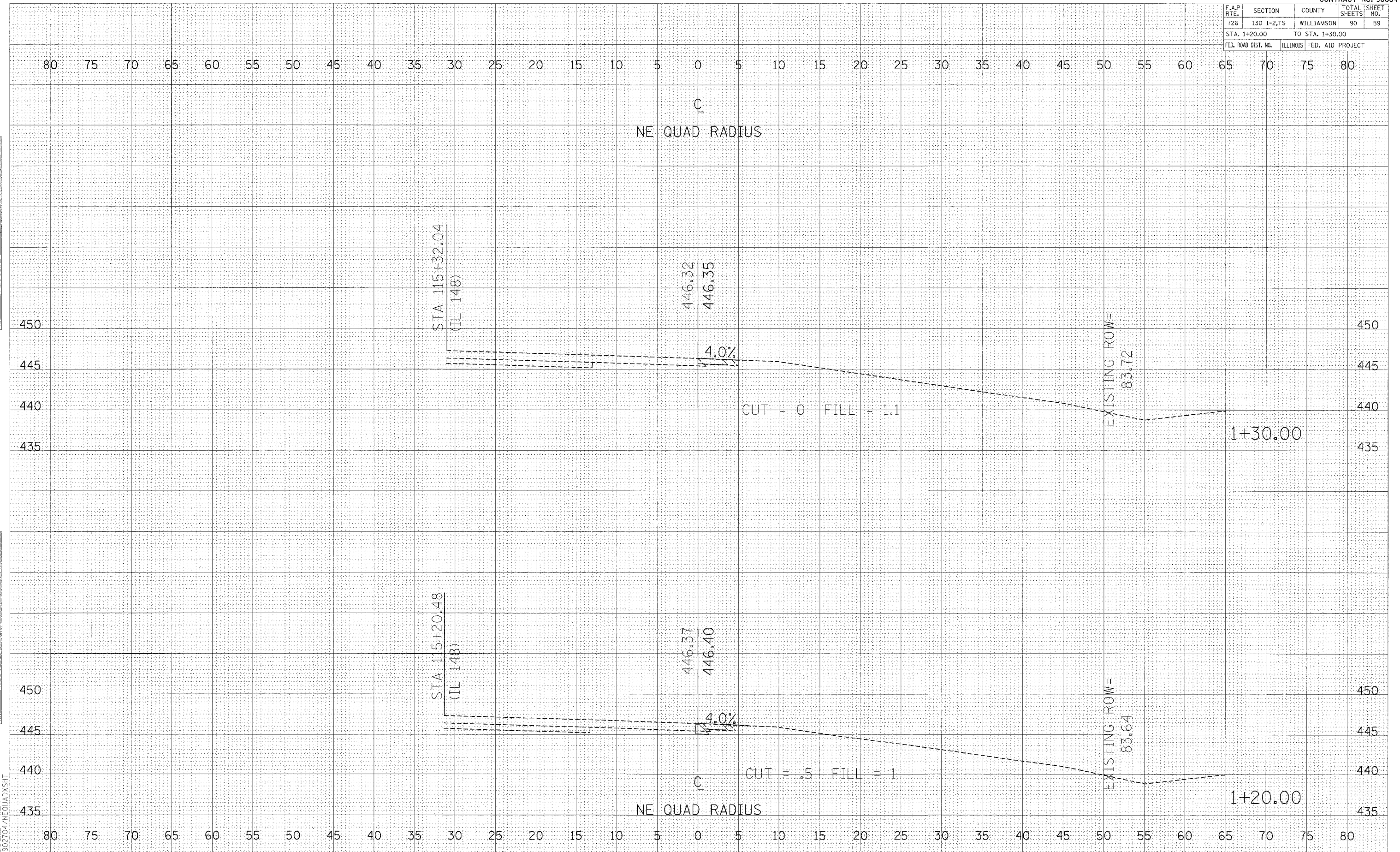
CROSS SECTIONS - NE RADIUS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	59
STA. 1+20.00		TO STA. 1+30.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE = 8/27/84
 FILE NAME = 87LE18
 PLOT SCALE = 8/32/84
 REFERENCE = 87LE18
 D9502704/NE QUAD X-SHT



CROSS SECTIONS - NE RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	60
STA. +00.00		TO STA. +10.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

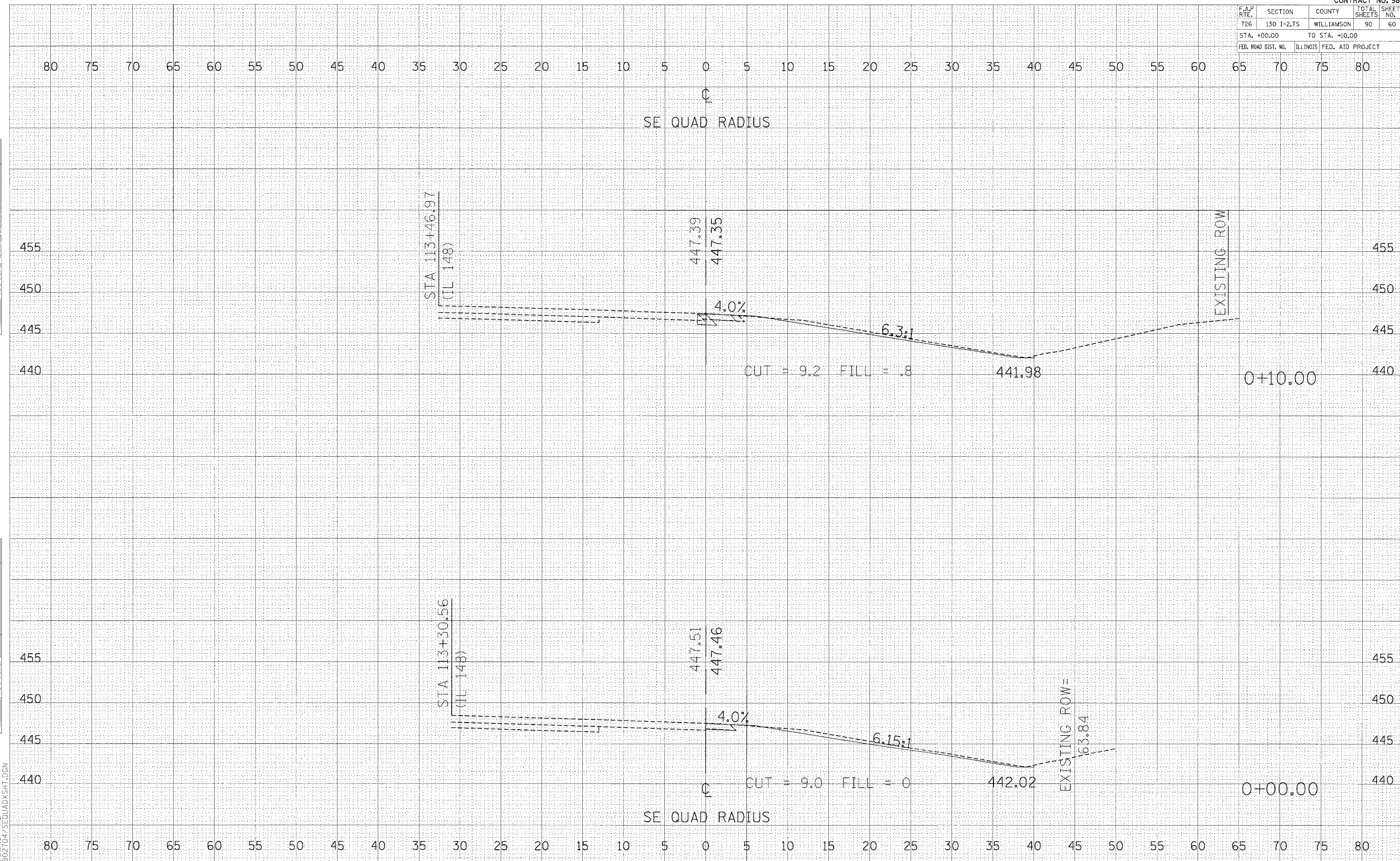
BY	DATE

FINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE

PLOT DATE * DATE *
 FILE NAME * FILE *
 PLOT SCALE * SCALE *
 REFERENCE * REF *
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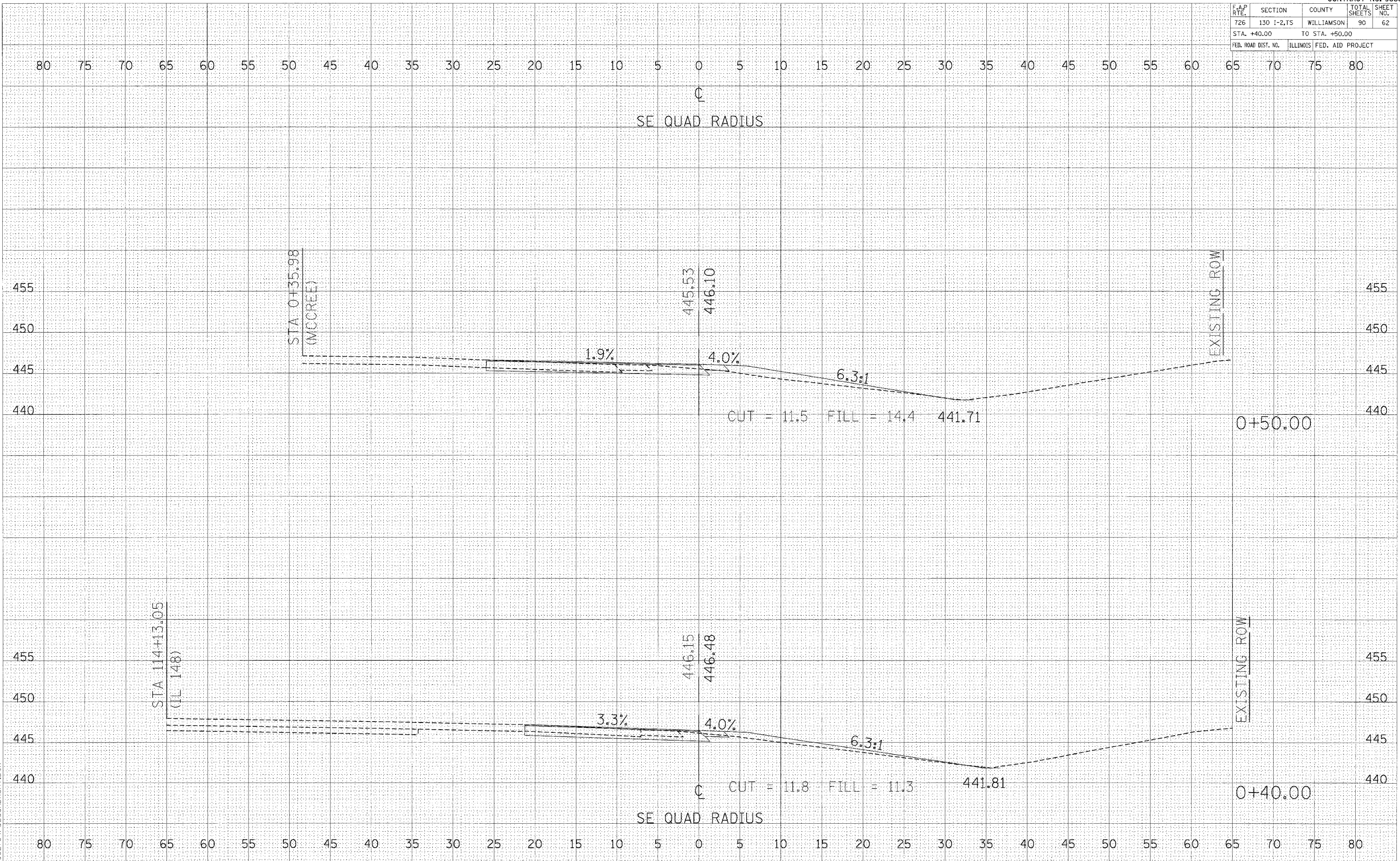
CROSS SECTIONS - SE RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	62
STA. +40.00 TO STA. +50.00			ILLINOIS FED. AID PROJECT	

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

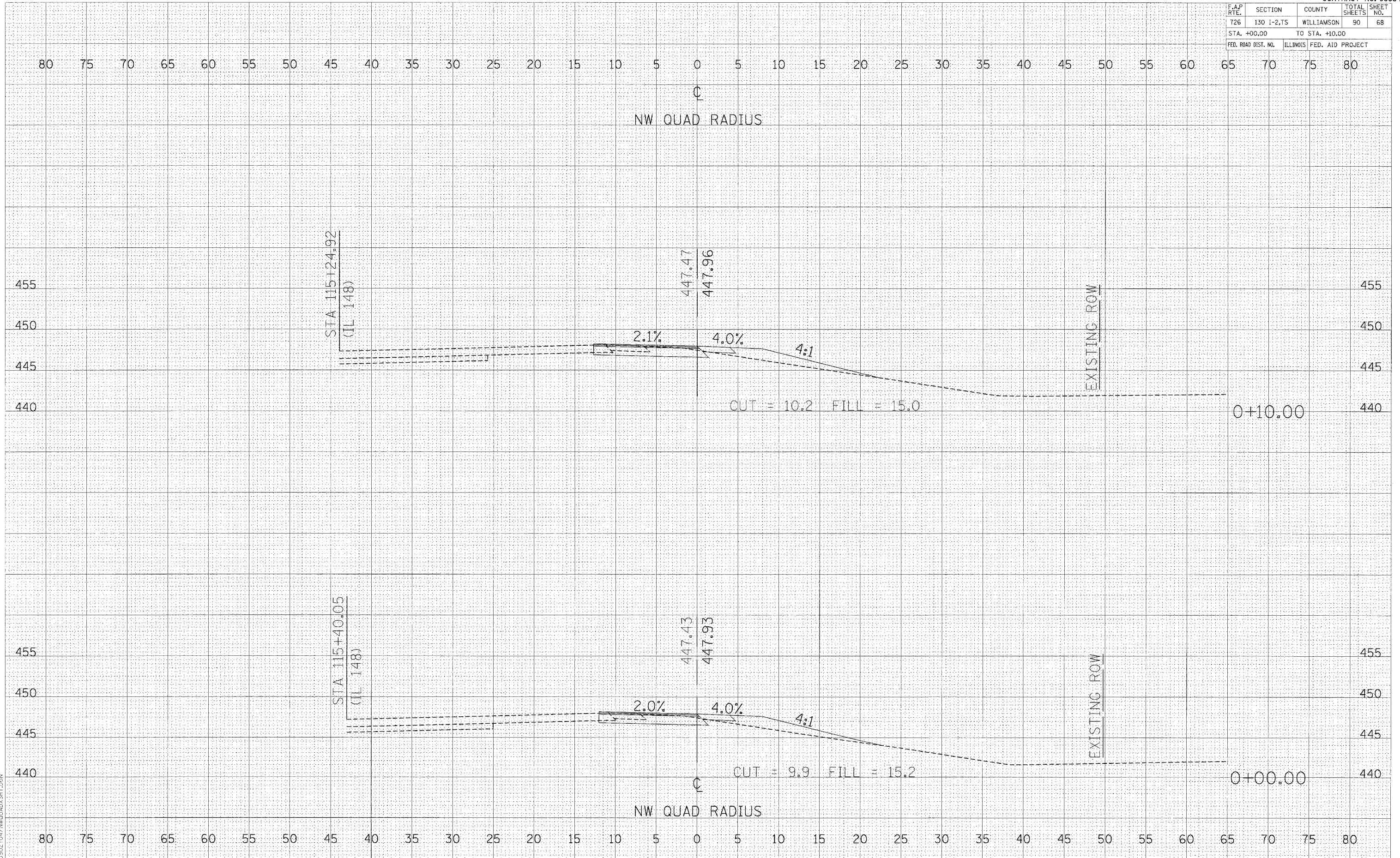
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PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

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 REFERENCE = REF
 D902704/SE04DXSHT.DGN



CROSS SECTIONS - SE RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	68
STA. +00.00 TO STA. +10.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY	DATE
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ORIGINAL SURVEY	DATE
BY	
NO.	

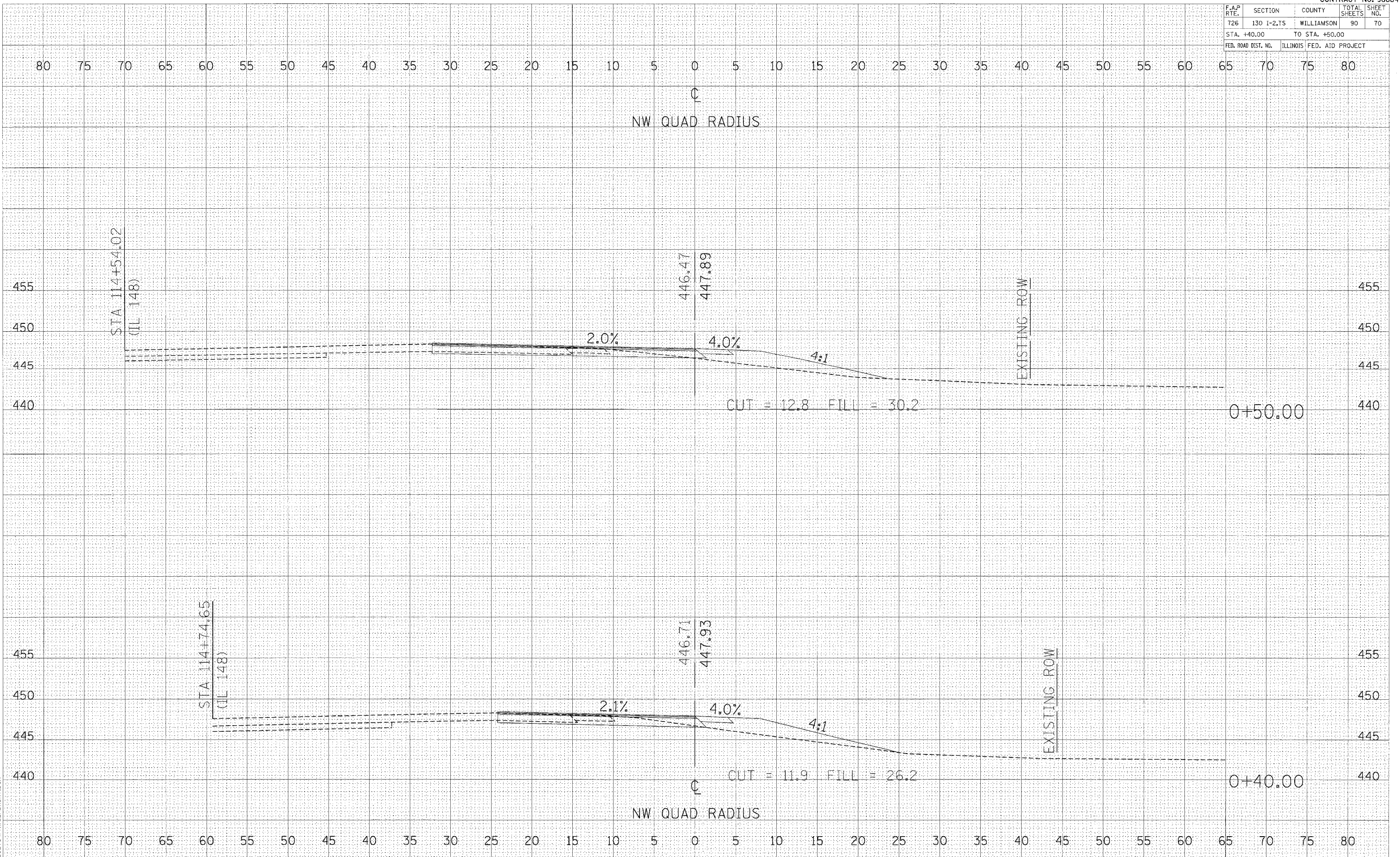
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 PLOT SCALE = 1"=40'
 DSC001041NWQUAD.SHT.DGN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	70
STA. +40.00 TO STA. +50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEY		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEY		
NOTE BOOK		
AREAS CHECKED		

PLOT DATE = 04/11/07
 PLOT SCALE = 1"=40'
 REFERENCE = BREF
 D902104/NWQJADXSHT.DGN



CROSS SECTIONS - NW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,75	WILLIAMSON	90	71
STA. +60.00 TO STA. +70.00				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	BY

FINAL SURVEY	SURVEYED	PLOTTED	DATE

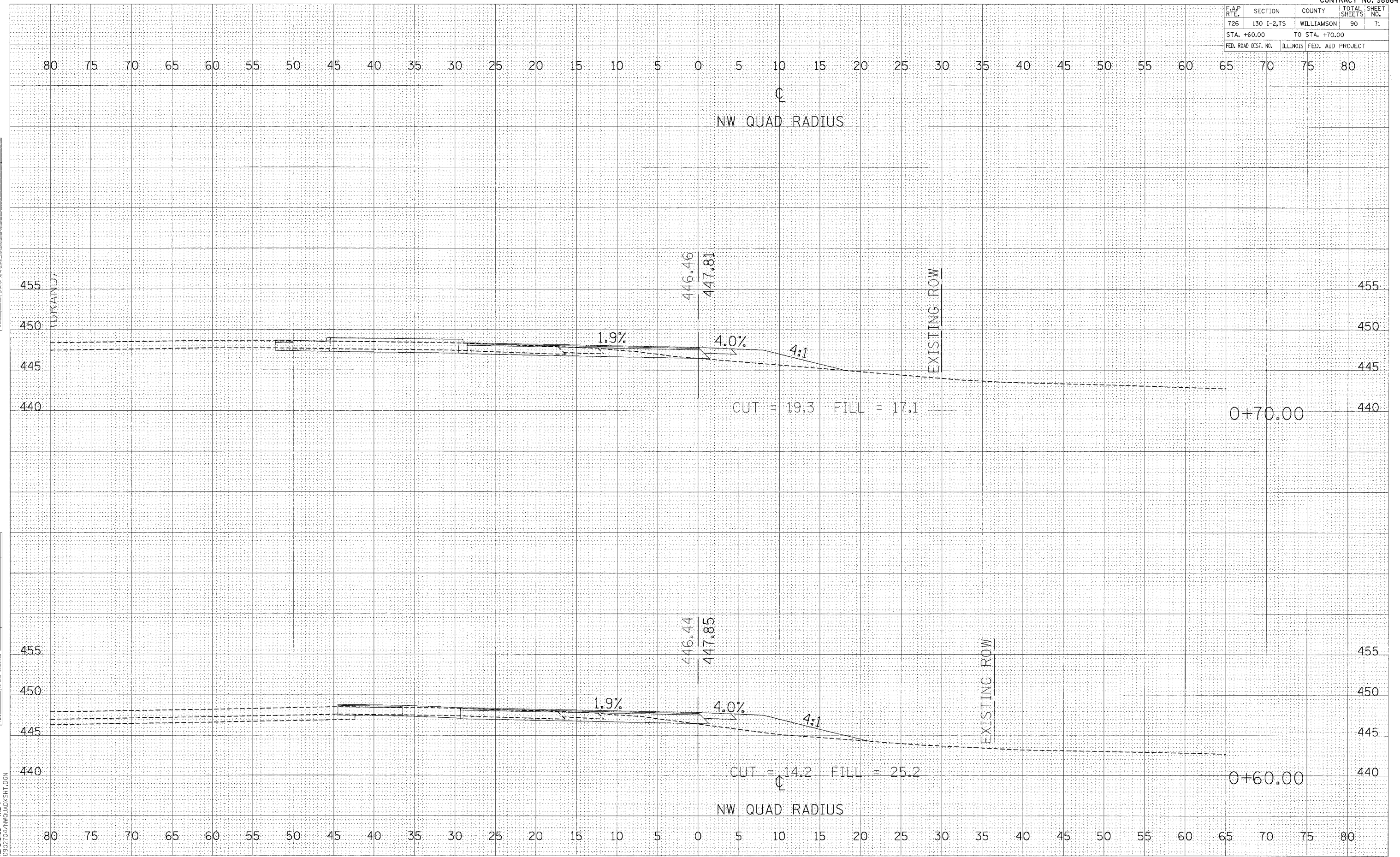
NO.	AREAS CHECKED

DATE	BY

ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE

NO.	AREAS CHECKED

PLOT DATE * * * * *
FILE NAME * * * * *
PLOT SCALE * * * * *
REFERENCE * * * * *



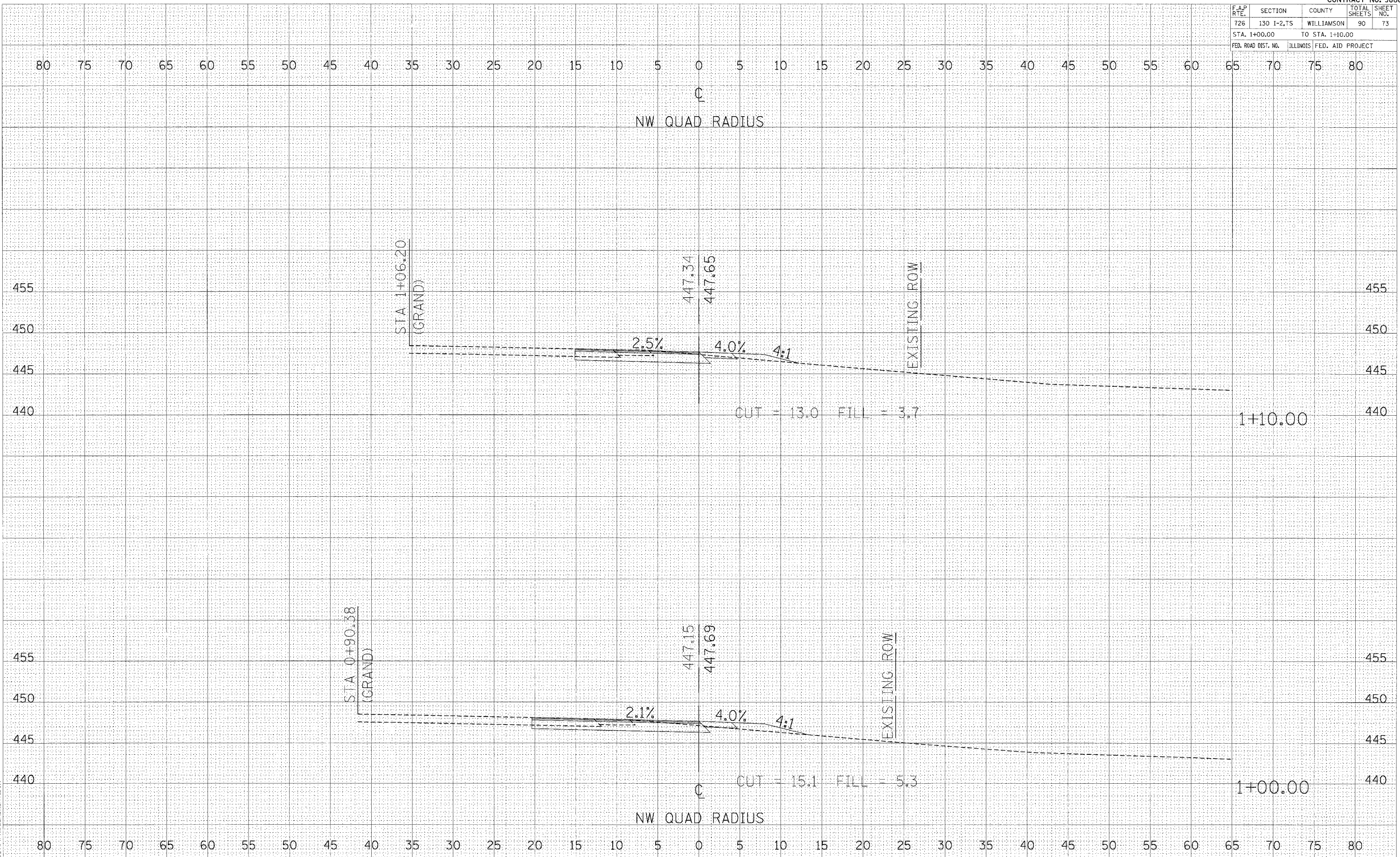
CROSS SECTIONS - NW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,75	WILLIAMSON	90	73
STA. 1+00.00 TO STA. 1+10.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

DATE = DATE
PLOT DATE = DATE
PLOT SCALE = SCALE
REFERENCE = REF
D:\02104\NWQUAD\KSH1.DGN



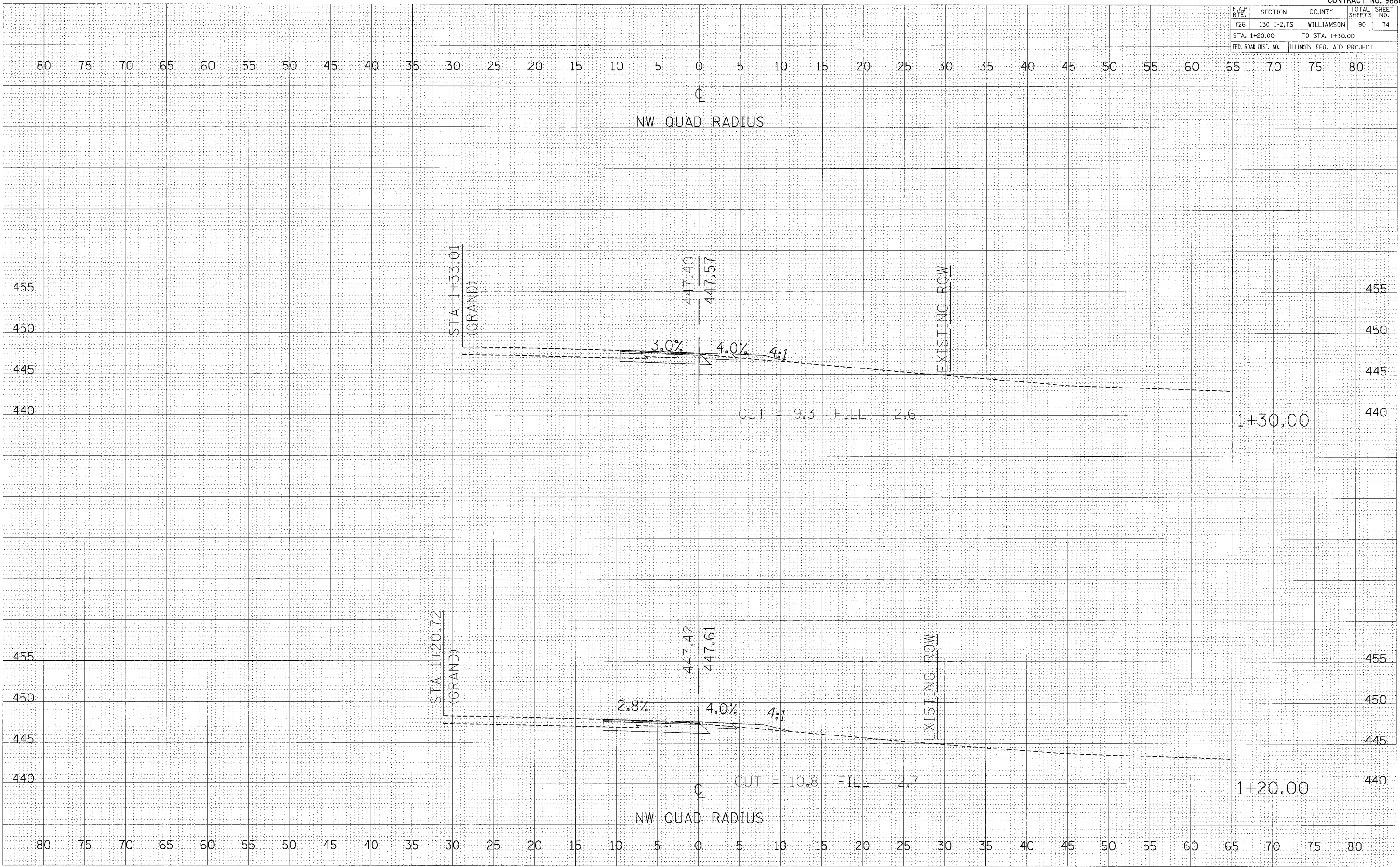
CROSS SECTIONS - NW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 1-2.75	WILLIAMSON	90	74
STA. 1+20.00 TO STA. 1+30.00				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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

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

PLOT DATE = DATE
 PLOT SCALE = SCALE
 REFERENCE = REF
 D902704/NWQUADXSHT.DGN



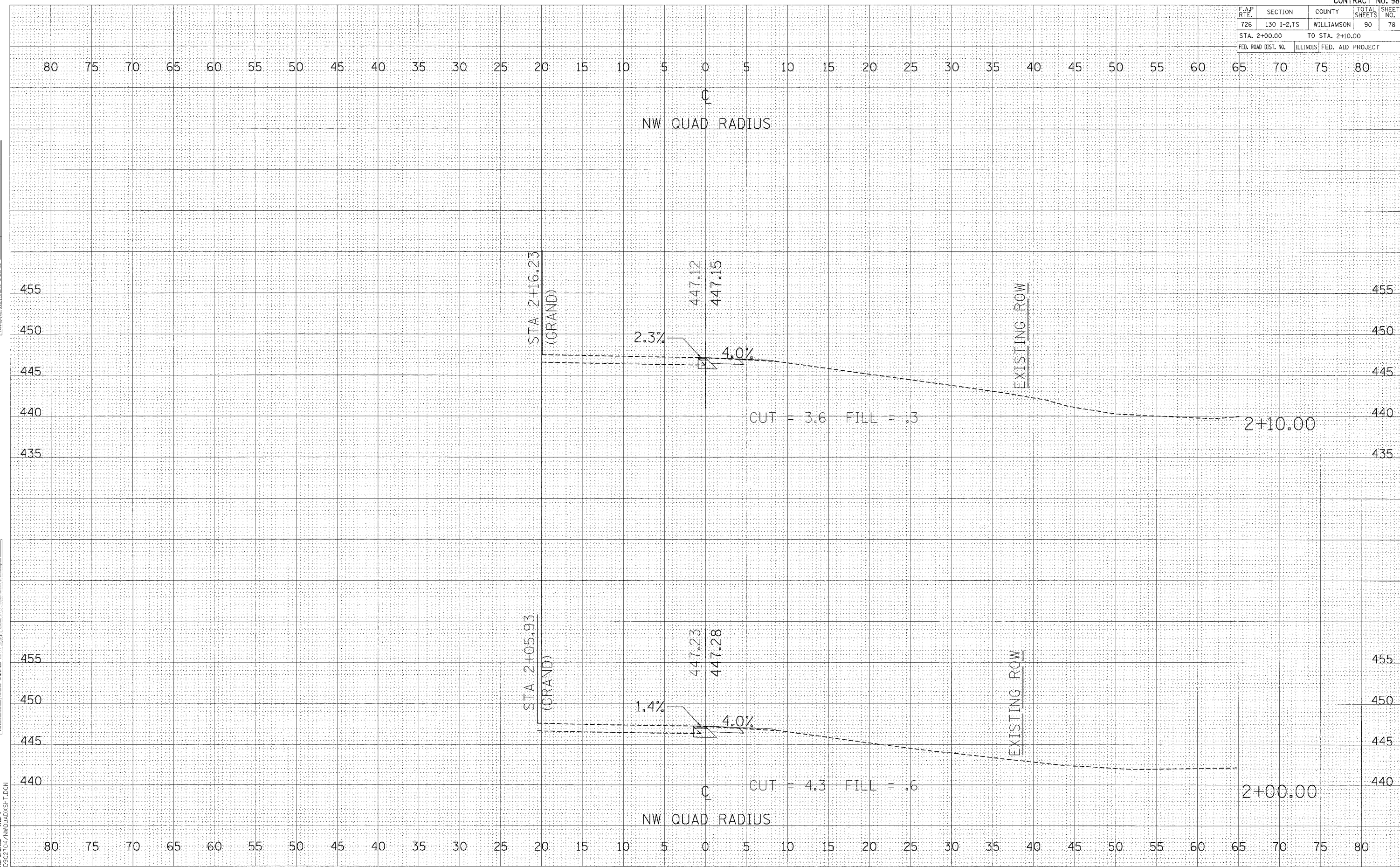
CROSS SECTIONS - NW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,15	WILLIAMSON	90	78
STA. 2+00.00 TO STA. 2+10.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BY	DATE
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BY	DATE
BY	DATE
BY	DATE

BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE

PLOT DATE * DATE *
 FILE NAME * FILE *
 PLOT SCALE * SCALE *
 REFERENCE * REF *
 D:\902704\NWQUAD\SHIT.DGN



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	81
STA. +00.00 TO STA. +10.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BY: _____ DATE: _____

FINAL SURVEY PLOTTED _____

NOTE BOOK NO. _____

AREAS CHECKED: _____

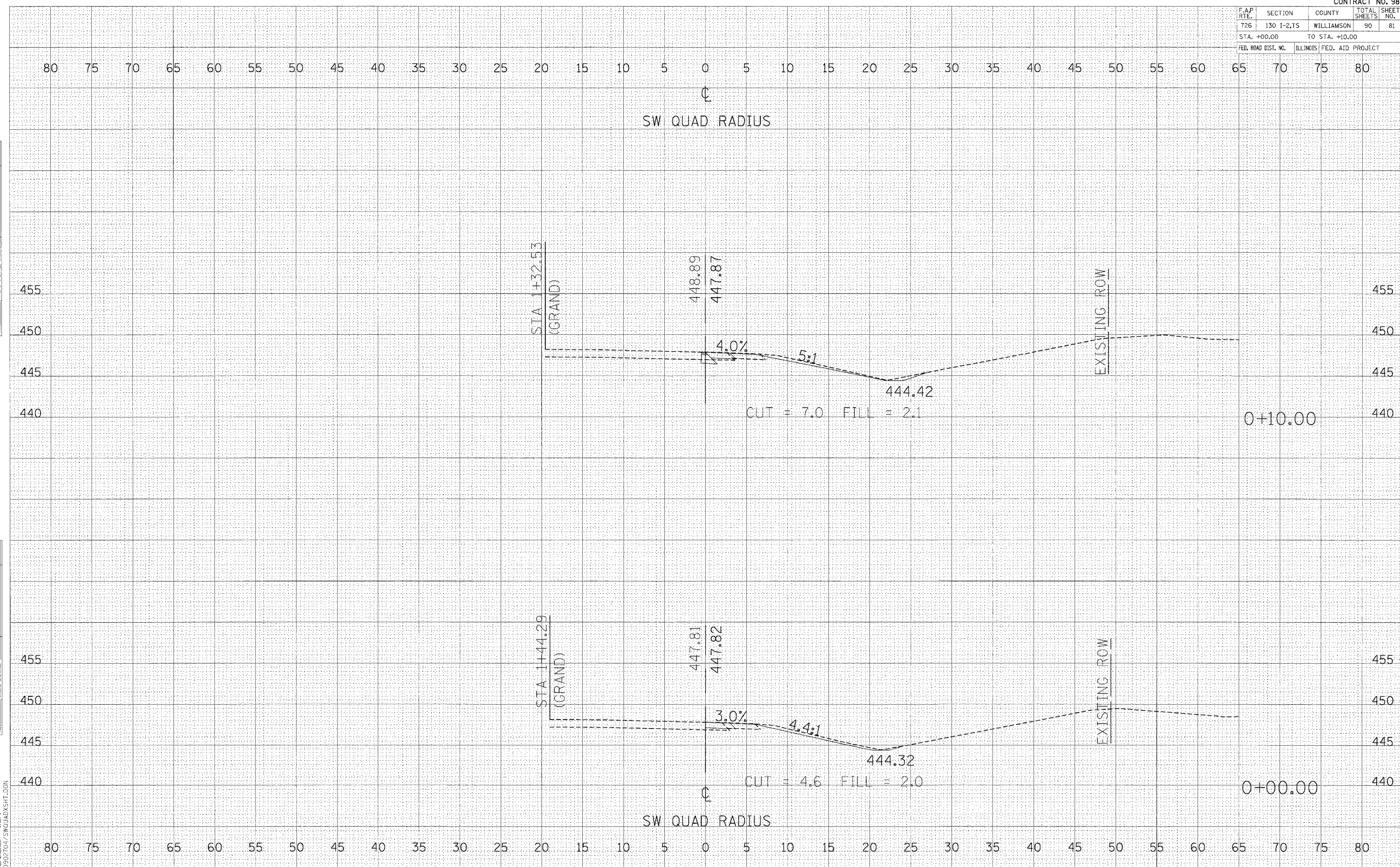
BY: _____ DATE: _____

ORIGINAL SURVEY PLOTTED _____

NOTE BOOK NO. _____

AREAS CHECKED: _____

PLAT DATE: 04/20/04
 FILE NAME: 041114.DWG
 PLOT SCALE: 1"=40'
 REFERENCE: 041114.DWG
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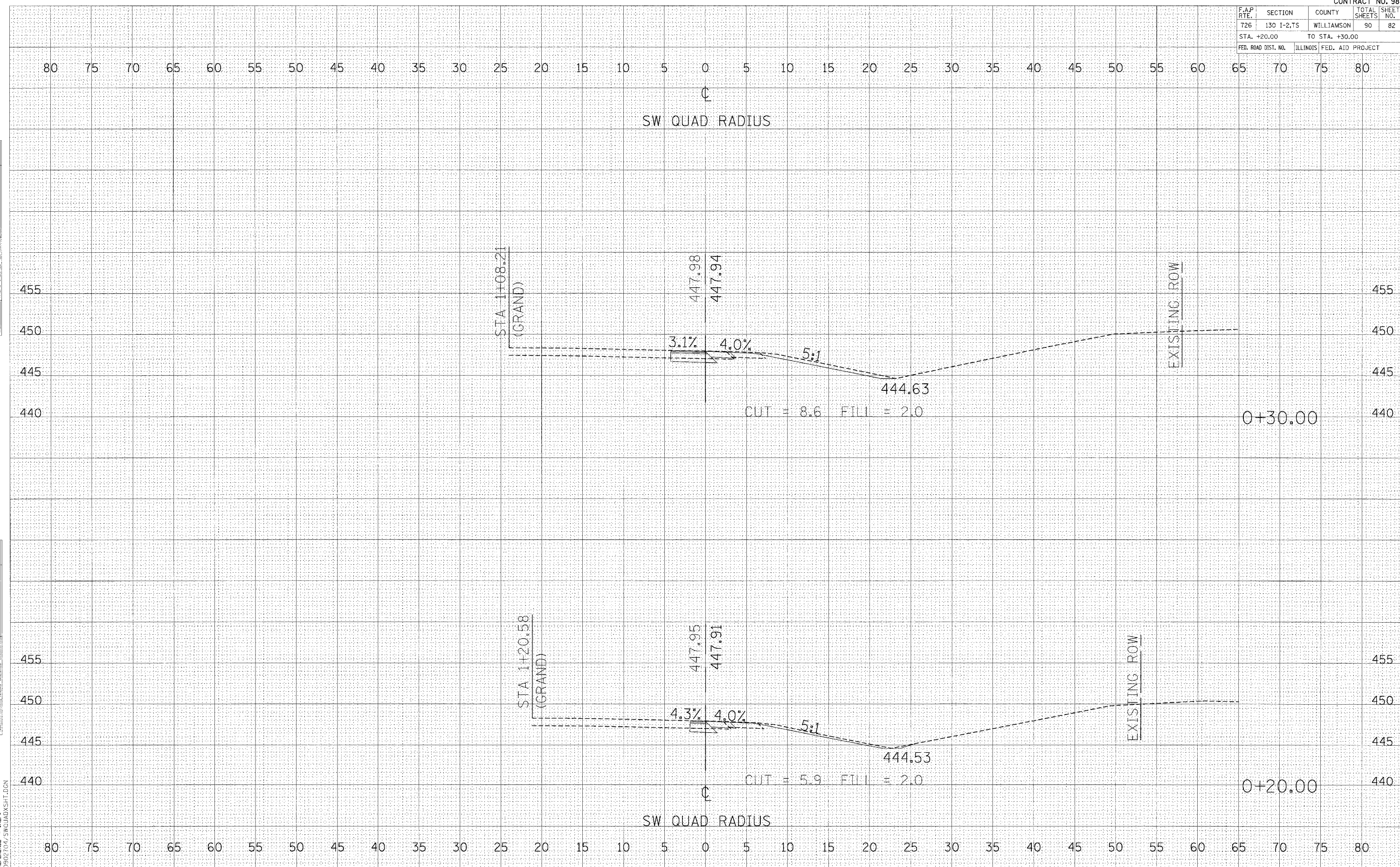
CROSS SECTIONS - SW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	82
STA. +20.00			TO STA. +30.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY	DATE
BY	DATE
BY	DATE
BY	DATE

BY	DATE
BY	DATE
BY	DATE
BY	DATE

PLOT DATE: 04/15/04
 PLOT SCALE: 1"=40'
 PLOT SCALE: 1"=40'
 REFERENCE: #REF#
 D:\02704\SWQUAD\XSH1.DGN



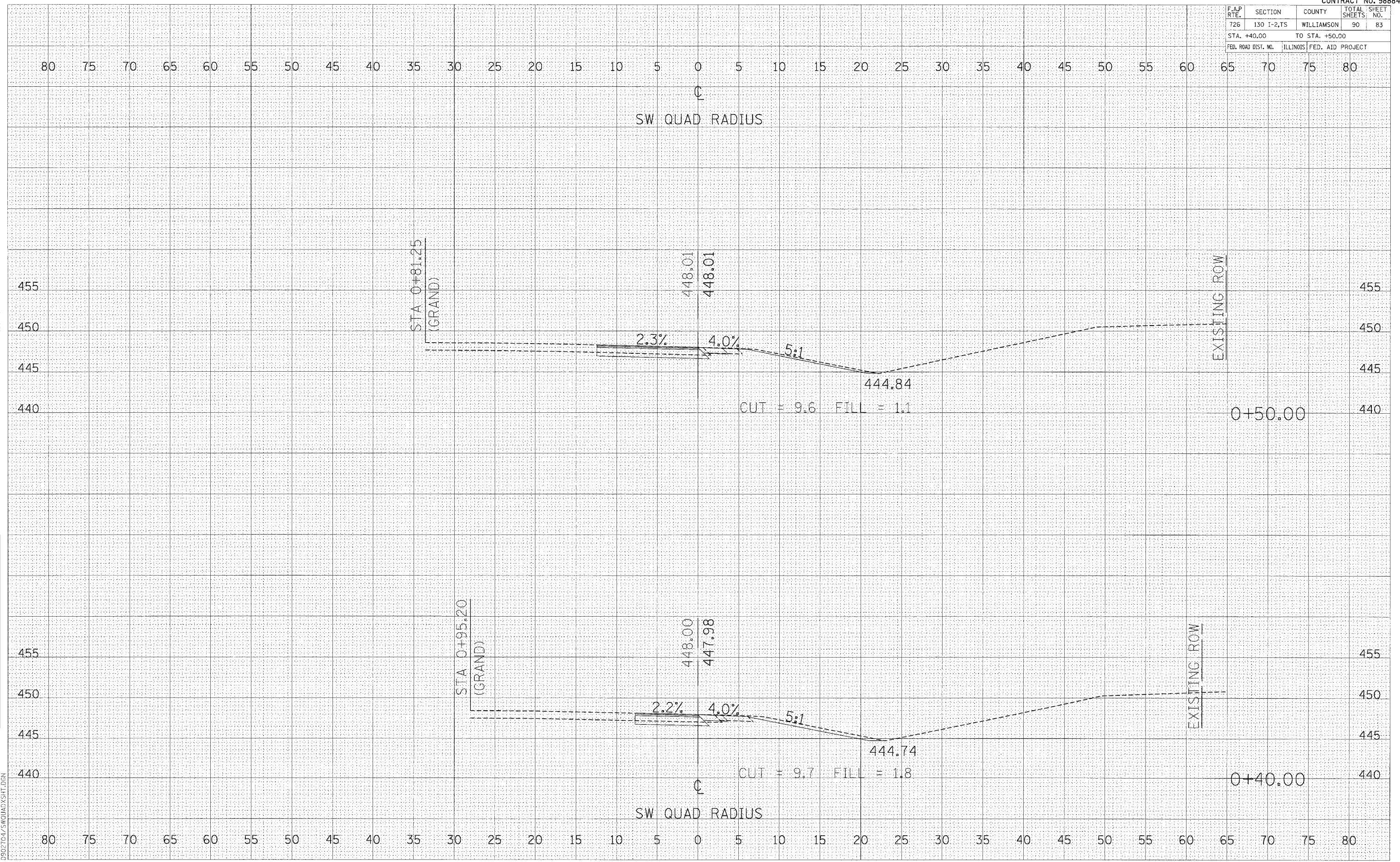
CROSS SECTIONS - SW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	83
STA. +40.00		TO STA. +50.00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY BY DATE
 NOTE BOOK NO. DATE
 TEMPLATE AREA CHECKED

ORIGINAL SURVEY BY DATE
 NOTE BOOK NO. DATE
 TEMPLATE AREA CHECKED

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#
 D:\0704\SIGQUA\SIT.DGN



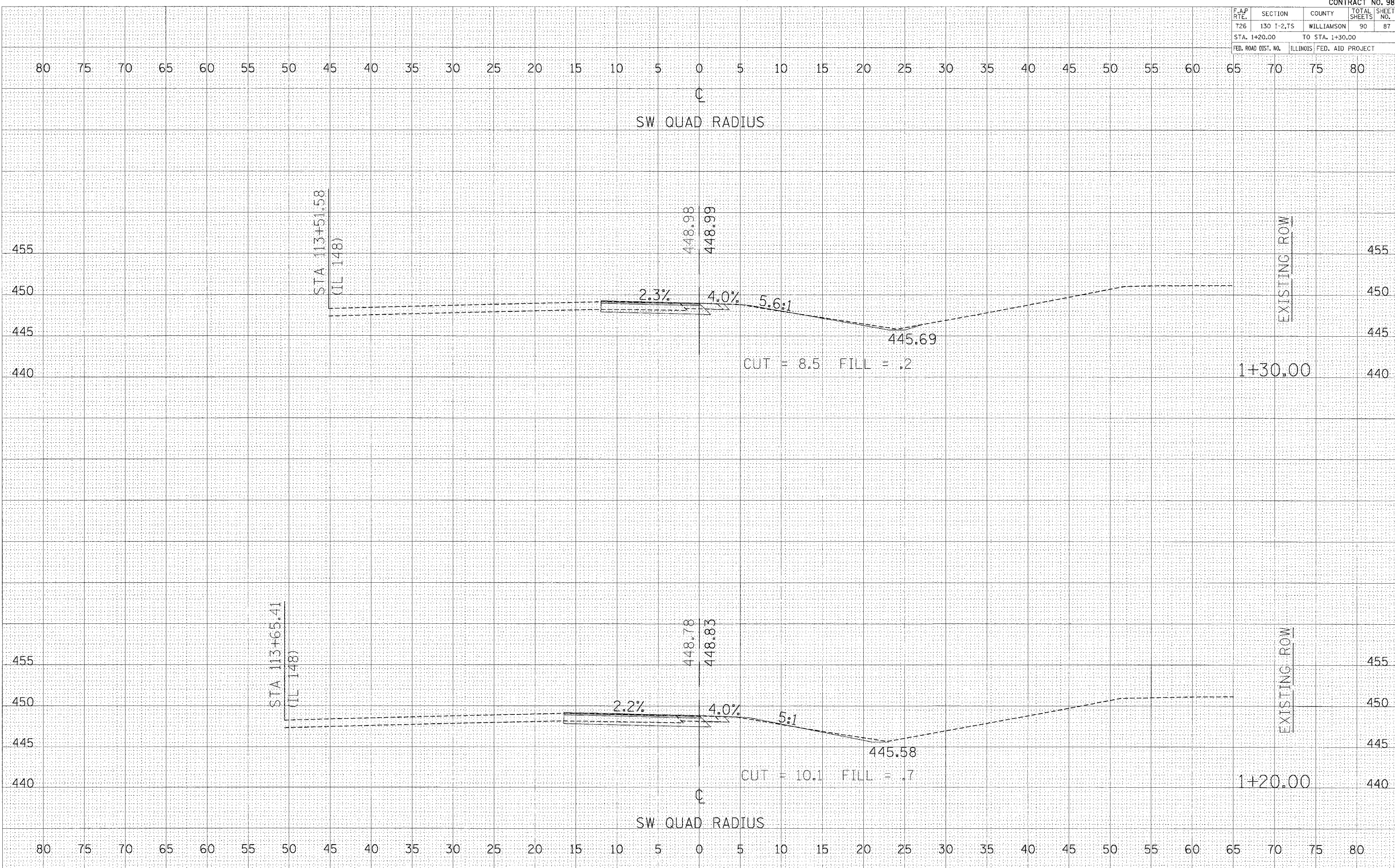
CROSS SECTIONS - SW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,75	WILLIAMSON	90	87
STA. 1+20.00 TO STA. 1+30.00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____ AR: _____
 AREAS CHECKED: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____ AR: _____
 AREAS CHECKED: _____

DATE: #DATE#
 FILE NAME: #FILE#
 PLOT SCALE: #SCALE#
 REFERENCE: #REF#
 D:\902704\SWQUAD\SHIT.DGN



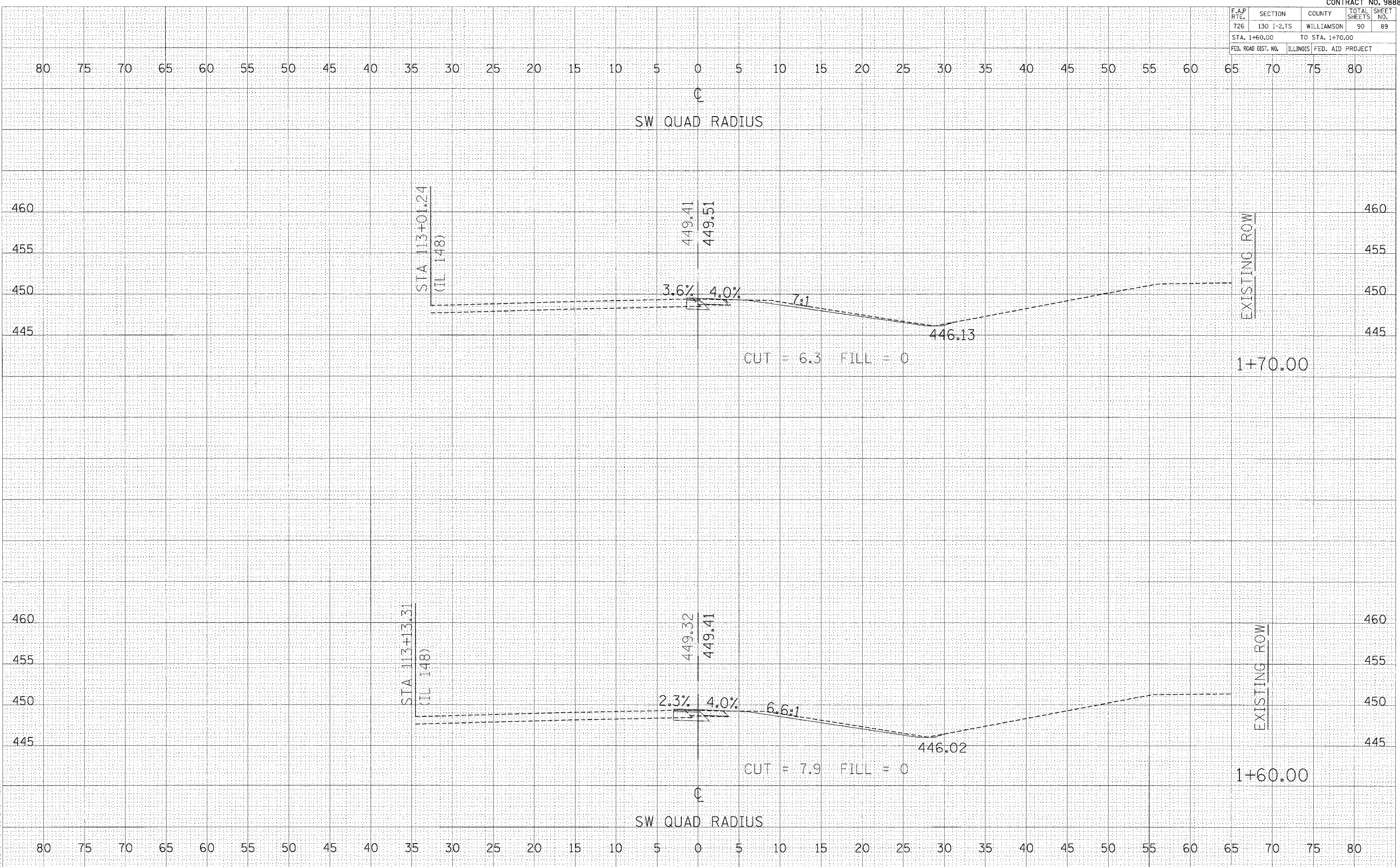
CROSS SECTIONS - SW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	89
STA. 1+60.00		TO STA. 1+70.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

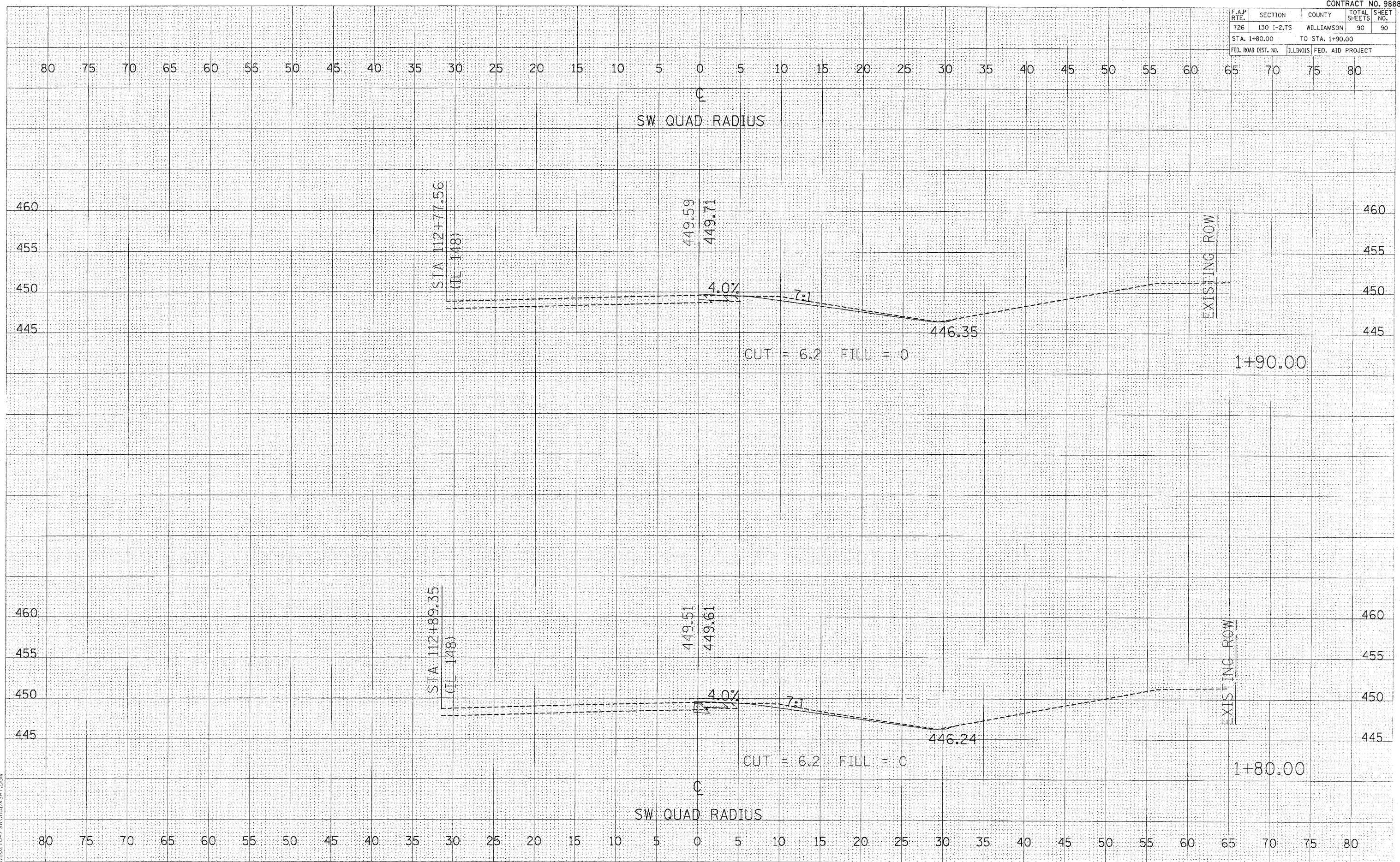
BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE: _____
 NAME: _____
 SCALE: _____
 REFERENCE: _____
 D:\902704\SWQUAD\XSH1.DGN



CROSS SECTIONS - SW RADIUS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	130 I-2,TS	WILLIAMSON	90	90
STA. 1+80.00 TO STA. 1+90.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY BY DATE
 CHECKED BY DATE
 NO. _____

ORIGINAL SURVEY BY DATE
 CHECKED BY DATE
 NO. _____

PLOT DATE = 08/21/04
 FILE NAME = 011414
 REFERENCE = 011414
 0902104_SWOIADXSHT.DGN